Greenfield Environmental Multistate Trust LLC
Trustee of the Multistate Environmental Response Trust
Greenfield Environmental Trust Group, Inc., Member
P.O. Box 723, Durham, NH 03824
(602) 312-6993
tl@g-etg.com

July 15, 2022

By Email—Daniel.Hedrick@cityutilities.net

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

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

Dear Mr. Hedrick:

Greenfield Environmental Multistate Trust LLC, Trustee of the Multistate Environmental Response Trust (the Multistate Trust), respectfully submits the laboratory results obtained from samples collected on May 12, 2022, from the City Utilities of Springfield's (City Utilities) Fulbright Spring and Fulbright Well #1 pursuant to the Missouri Department of Natural Resources (MoDNR)-approved *Final Off-Facility Investigation Work Plan* (dated July 31, 2019) for the Greenfield Environmental Multistate Trust LLC—Springfield Facility, also known as the Former Tronox/Kerr-McGee Facility located at 2800 West High Street, in Springfield, Missouri with Missouri Hazardous Waste Management Facility (MHWMF) Part I Permit No. MOD007129406.

The samples were submitted to Eurofins Lancaster Laboratories Env, LLC for semivolatile organic compound analysis by U.S. Environmental Protection Agency (EPA) Method 8270D and volatile organic compound analysis by EPA Method 8260C. All chemicals were nondetect below the laboratory reporting limits and the applicable groundwater protection standards for the samples collected from Fulbright Spring and Fulbright Well #1.

Low-level detections of four non-Facility-related chemicals (acetone, chloroform, bis(2-ethylhexyl) phthalate, and di-n-butyl phthalate) were detected in the field blank. A review of the sampling procedure determined that the sampler did not use the laboratory-supplied deionized water for the field blank, as is specified in the project Quality Assurance Project Plan (QAPP). Instead, the sampler used deionized water City Utilities had on-hand. This deviation adds uncertainty in the evaluation of the field blank for its intended purpose but does not impact the outcome of the public water supply sample results.

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

If you have any questions or concerns, please contact me at (602) 312-6993 or tl@g-etg.com or Lauri Gorton at (414) 732-4514 or lg@g-etg.com.

Sincerely,

Greenfield Environmental Multistate Trust LLC
Trustee of the Multistate Environmental Response Trust
By: Greenfield Environmental Trust Group, Inc., Member

Tasha Lewis
Program Director

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

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

Table 1. Summary of Laboratory Analytical Results (Q2-2022)
Fulbright Spring and Fulbright Well #1
Springfield, Missouri

Station Name	CAS Number	Units	GWPS	Fulbright Spring	Fulbright Spring	Fulbright Well 1	Quality Control Sample
Field Sample ID				FBS010_052022	FBS010_DUP-1_052022	FBW001_052022	FBW001_FB_052022
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank
Sample Date				5/12/22	5/12/22	5/12/22	5/12/22
VOCs [1,2]							
1,1,1-Trichloroethane	71-55-6	ug/l		<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	79-34-5	ug/l		<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	79-00-5	ug/l		<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	75-34-3	ug/l		<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethene	75-35-4	ug/l		<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	120-82-1	ug/l		<0.3	<0.3	<0.3	<0.3
1,2,4-Trimethylbenzene	95-63-6	ug/l		<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	96-12-8	ug/l		<0.3	<0.3	<0.3	<0.3
1,2-Dibromoethane	106-93-4	ug/l		<0.2	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	95-50-1	ug/l		<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	107-06-2	ug/l		<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	78-87-5	ug/l		<0.3	<0.3	<0.3	<0.3
1,3,5-Trimethylbenzene	108-67-8	ug/l		<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	541-73-1	ug/l		<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	106-46-7	ug/l		<0.3	<0.3	<0.3	<0.3
2-Butanone	78-93-3	ug/l		<0.5	<0.5	<0.5	<0.5
2-Hexanone	591-78-6	ug/l		<0.4	<0.4	<0.4	<0.4
4-Methyl-2-pentanone	108-10-1	ug/l		<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	ug/l		<0.7	<0.7	<0.7	**10 J**
Benzene	71-43-2	ug/l	5	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	75-27-4	ug/l		<0.2	<0.2	<0.2	<0.2
Bromoform	75-25-2	ug/l		<1	<1	<1	<1
Bromomethane	74-83-9	ug/l		<0.3	<0.3	<0.3	<0.3
Carbon Disulfide	75-15-0	ug/l		<0.3	<0.3	<0.3	<0.3
Carbon Tetrachloride	56-23-5	ug/l		<0.3	<0.3	<0.3	<0.3
Chlorobenzene	108-90-7	ug/l		<0.3	<0.3	<0.3	<0.3
Chloroethane	75-00-3	ug/l		<0.2	<0.2	<0.2	<0.2
Chloroform	67-66-3	ug/l		<0.3	<0.3	<0.3	**0.9 J**
Chloromethane	74-87-3	ug/l		<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	156-59-2	ug/l		<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropene	10061-01-5	ug/l		<0.2	<0.2	<0.2	<0.2
Cyclohexane	110-82-7	ug/l		<1	<1	<1	<1
Dibromochloromethane	124-48-1	ug/l		<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	75-71-8	ug/l		<0.2	<0.2	<0.2	<0.2
Ethylbenzene	100-41-4	ug/l	700	<0.4	<0.4	<0.4	<0.4
Freon 113	76-13-1	ug/l		<0.3	<0.3	<0.3	<0.3
Isopropylbenzene	98-82-8	ug/l		<0.2	<0.2	<0.2	<0.2
Methyl Acetate	79-20-9	ug/l		<0.3	<0.3	<0.3	<0.3
Methyl Tertiary Butyl Ether	1634-04-4	ug/l		<0.2	<0.2	<0.2	<0.2
Methylcyclohexane	108-87-2	ug/l		<0.5	<0.5	<0.5	<0.5
Methylene Chloride	75-09-2	ug/l		<0.3	<0.3	<0.3	<0.3
Styrene	100-42-5	ug/l		<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	127-18-4	ug/l		<0.3	<0.3	<0.3	<0.3
Toluene	108-88-3	ug/l	1,000	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	156-60-5	ug/l		<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropene	10061-02-6	ug/l		<0.2	<0.2	<0.2	<0.2
Trichloroethene	79-01-6	ug/l		<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	75-69-4	ug/l		<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	ug/l		<0.2	<0.2	<0.2	<0.2
Xylenes	1330-20-7	ug/l	10,000	<0.4	<0.4	<0.4	<0.4

Table 1. Summary of Laboratory Analytical Results (Q2-2022)
Fulbright Spring and Fulbright Well #1
Springfield, Missouri

Station Name	CAS Number	Units	GWPS	Fulbright Spring	Fulbright Spring	Fulbright Well 1	Quality Control Sample
Field Sample ID				FBS010_052022	FBS010_DUP-1_052022	FBW001_052022	FBW001_FB_052022
Sample Type				Normal Sample	Duplicate Sample	Normal Sample	Field Blank
Sample Date				5/12/22	5/12/22	5/12/22	5/12/22
Semi-VOCs [1,2]							
1,4-Dioxane	123-91-1	ug/l		<0.1	<0.1	<0.1	<0.1
1-Methylnaphthalene	90-12-0	ug/l		<0.02	<0.021	<0.021	<0.021
2,4-Dimethylphenol	105-67-9	ug/l	540	<3	<3	<3	<3
2,4-Dinitrophenol	51-28-5	ug/l	70	<10	<10	<10	<20
2-Chlorophenol	95-57-8	ug/l	0.5	<0.5	<0.5	<0.5	<0.5
2-Methylnaphthalene	91-57-6	ug/l	36	<0.02	<0.021	<0.021	<0.021
Acenaphthene	83-32-9	ug/l	1,200	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	208-96-8	ug/l		<0.01	<0.01	<0.01	<0.01
Anthracene	120-12-7	ug/l	9,600	<0.01	<0.01	<0.01	<0.01
Benzo(a)anthracene	56-55-3	ug/l	0.1	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	50-32-8	ug/l	0.1	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	205-99-2	ug/l	0.1	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	191-24-2	ug/l		<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	207-08-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.01
bis(2-Chloroethyl)ether	111-44-4	ug/l		<0.02	<0.021	<0.021	<0.021
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l		<0.051	<0.052	<0.051	**1.7**
Butylbenzylphthalate	85-68-7	ug/l		<0.051	<0.052	<0.051	<0.052
Carbazole	86-74-8	ug/l		<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	ug/l	0.1	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	53-70-3	ug/l	0.1	<0.02	<0.021	<0.021	<0.021
Dibenzofuran	132-64-9	ug/l	7.9	<0.01	<0.01	<0.01	<0.01
Diethylphthalate	84-66-2	ug/l		<0.051	<0.052	<0.051	<0.052
Dimethylphthalate	131-11-3	ug/l		<0.051	<0.052	<0.051	<0.052
Di-n-butylphthalate	84-74-2	ug/l		<0.051	<0.052	<0.051	**0.056 J**
Di-n-octylphthalate	117-84-0	ug/l		<0.051	<0.052	<0.051	<0.052
Fluoranthene	206-44-0	ug/l	300	<0.01	<0.01	<0.01	<0.01
Fluorene	86-73-7	ug/l	1,300	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	118-74-1	ug/l		<0.02	<0.021	<0.021	<0.021
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.1	<0.02	<0.021	<0.021	<0.021
Naphthalene	91-20-3	ug/l	20	<0.03	<0.031	<0.031	<0.031
N-Nitrosodimethylamine	62-75-9	ug/l		<0.02	<0.021	<0.021	<0.021
Phenanthrene	85-01-8	ug/l		<0.03	<0.031	<0.031	<0.031
Phenol	108-95-2	ug/l	300	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	ug/l	960	<0.01	<0.01	<0.01	<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] There were no detections in the Trip Blanks. The results of the Trip Blanks are shown in the laboratory report.

Bold values are detections.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
ug/L = microgram per liter
< = less than
GWPS = groundwater protection standard

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 410-84076-1
Client Project/Site: Springfield, MO – OFIWP

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

Attn: Jack Jackson

Authorized for release by:
5/24/2022 10:23:23 AM

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

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

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

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

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

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

Nicole Brown
Project Manager
5/24/2022 10:23:23 AM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Action Limit Summary 23
Surrogate Summary 26
QC Sample Results 28
QC Association Summary 41
Lab Chronicle 43
Certification Summary 45
Method Summary 47
Sample Summary 48
Chain of Custody 49
Receipt Checklists 53

Job ID: 410-84076-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-84076-1

Receipt
The samples were received on 5/13/2022 10:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9°C and 5.5°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-258274 recovered above the upper control limit for Dichlorodifluoromethane and Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257602 recovered above the upper control limit for Benzo[b]fluoranthene, Bis(2-ethylhexyl) phthalate, 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 impacted: FBW001_052022 (410-84076-1), FBS010_052022 (410-84076-4) and FBS010_DUP-1_052022 (410-84076-5).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257935 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples: FBW001_FB_052022 (410-84076-3).

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

Job ID: 410-84076-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-84076-1

Receipt
The samples were received on 5/13/2022 10:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9°C and 5.5°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-258274 recovered above the upper control limit for Dichlorodifluoromethane and Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257602 recovered above the upper control limit for Benzo[b]fluoranthene, Bis(2-ethylhexyl) phthalate, 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 impacted: FBW001_052022 (410-84076-1), FBS010_052022 (410-84076-4) and FBS010_DUP-1_052022 (410-84076-5).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257935 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples: FBW001_FB_052022 (410-84076-3).

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

Detection Summary

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

Job ID: 410-84076-1

Client Sample ID: FBW001_052022 — Lab Sample ID: 410-84076-1

No Detections.

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	20	0.70	ug/L	1		8260C	Total/NA
Chloroform	0.90	J	1.0	0.30	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	1.7		1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.056	J	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBS010_052022 — Lab Sample ID: 410-84076-4

No Detections.

Client Sample ID: FBS010_DUP-1_052022 — Lab Sample ID: 410-84076-5

No Detections.

Client Sample ID: FBW001_TB_052022 — Lab Sample ID: 410-84076-7

No Detections.

Client Sample ID: FBS010_TB_052022 — Lab Sample ID: 410-84076-8

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-84076-1

Client Sample ID: FBW001_052022
Date Collected: 05/12/22 09:22
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 01:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 01:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 01:40	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 01:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 01:40	1
Acetone	ND		20	0.70	ug/L			05/24/22 01:40	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 01:40	1
Bromomethane	ND	F1	1.0	0.30	ug/L			05/24/22 01:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chloroethane	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chloromethane	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Cyclohexane	ND	F1	5.0	1.0	ug/L			05/24/22 01:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Dichlorodifluoromethane	ND	*+ F1 cn	1.0	0.20	ug/L			05/24/22 01:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 01:40	1
Freon 113	ND	F1	10	0.30	ug/L			05/24/22 01:40	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 01:40	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Methylcyclohexane	ND	F1	5.0	0.50	ug/L			05/24/22 01:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Tetrachloroethene	ND	F1	1.0	0.30	ug/L			05/24/22 01:40	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Trichlorofluoromethane	ND	F1 cn	1.0	0.20	ug/L			05/24/22 01:40	1
Vinyl chloride	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1

Client Sample ID: FBW001_052022
Date Collected: 05/12/22 09:22
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 01:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 01:40*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 01:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 01:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.31	0.10	ug/L		05/19/22 09:47	05/21/22 03:21	1
1-Methylnaphthalene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
2-Methylnaphthalene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dimethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Hexachlorobenzene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Naphthalene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 03:21	1
N-Nitrosodimethylamine	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Phenanthrene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 03:21	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*58*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 03:21*	*1*
Benzo(a)pyrene-d12 (Surr)	*62*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 03:21*	*1*
Fluoranthene-d10 (Surr)	*68*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 03:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 00:06	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 00:06	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 00:06	1

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

Job ID: 410-84076-1

Client Sample ID: FBW001_052022
Date Collected: 05/12/22 09:22
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-1
Matrix: Water

Method: 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		05/19/22 09:46	05/20/22 00:06	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 125*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
p-Terphenyl-d14 (Surr)	*99*		*37 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*

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

Job ID: 410-84076-1

Client Sample ID: FBW001_FB_052022
Date Collected: 05/12/22 09:27
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 00:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 00:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 00:35	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 00:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 00:35	1
Acetone	**10**	**J**	20	0.70	ug/L			05/24/22 00:35	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 00:35	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Chloroform	**0.90**	**J**	1.0	0.30	ug/L			05/24/22 00:35	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 00:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 00:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 00:35	1
Freon 113	ND		10	0.30	ug/L			05/24/22 00:35	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 00:35	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 00:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 00:35	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 00:35	1

Client Sample ID: FBW001_FB_052022
Date Collected: 05/12/22 09:27
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 00:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		05/19/22 09:47	05/23/22 10:22	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Acenaphthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Acenaphthylene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Anthracene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Bis(2-ethylhexyl) phthalate	**1.7**		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Butylbenzylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Chrysene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dibenzofuran	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Diethylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dimethylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Di-n-butyl phthalate	**0.056**	**J**	1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Di-n-octyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Fluorene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Naphthalene	ND		0.073	0.031	ug/L		05/19/22 09:47	05/23/22 10:22	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Phenanthrene	ND		0.073	0.031	ug/L		05/19/22 09:47	05/23/22 10:22	1
Pyrene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*69*		*36 - 111*	*05/19/22 09:47*	*05/23/22 10:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*05/19/22 09:47*	*05/23/22 10:22*	*1*
Fluoranthene-d10 (Surr)	*69*		*47 - 128*	*05/19/22 09:47*	*05/23/22 10:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:51	1
2,4-Dinitrophenol	ND		30	20	ug/L		05/19/22 09:46	05/20/22 01:51	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:51	1

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

Job ID: 410-84076-1

Client Sample ID: FBW001_FB_052022
Date Collected: 05/12/22 09:27
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-3
Matrix: Water

Method: 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		05/19/22 09:46	05/20/22 01:51	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
2-Fluorobiphenyl (Surr)	*76*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
p-Terphenyl-d14 (Surr)	*94*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*

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

Job ID: 410-84076-1

Client Sample ID: FBS010_052022
Date Collected: 05/12/22 09:42
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 04:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 04:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 04:35	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 04:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 04:35	1
Acetone	ND		20	0.70	ug/L			05/24/22 04:35	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 04:35	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 04:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 04:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 04:35	1
Freon 113	ND		10	0.30	ug/L			05/24/22 04:35	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 04:35	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 04:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 04:35	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 04:35	1

Client Sample ID: FBS010_052022
Date Collected: 05/12/22 09:42
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 04:35*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 04:35*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/24/22 04:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/22 04:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.30	0.10	ug/L		05/19/22 09:47	05/21/22 04:26	1
1-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
2-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dimethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Hexachlorobenzene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Naphthalene	ND	cn	0.071	0.030	ug/L		05/19/22 09:47	05/21/22 04:26	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Phenanthrene	ND	cn	0.071	0.030	ug/L		05/19/22 09:47	05/21/22 04:26	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*65*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 04:26*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 04:26*	*1*
Fluoranthene-d10 (Surr)	*70*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 04:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:09	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 01:09	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:09	1

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

Job ID: 410-84076-1

Client Sample ID: FBS010_052022
Date Collected: 05/12/22 09:42
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-4
Matrix: Water

Method: 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		05/19/22 09:46	05/20/22 01:09	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
Phenol-d5 (Surr)	*30*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
p-Terphenyl-d14 (Surr)	*83*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*

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

Job ID: 410-84076-1

Client Sample ID: FBS010_DUP-1_052022
Date Collected: 05/12/22 13:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 04:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 04:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 04:57	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 04:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 04:57	1
Acetone	ND		20	0.70	ug/L			05/24/22 04:57	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 04:57	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 04:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 04:57	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 04:57	1
Freon 113	ND		10	0.30	ug/L			05/24/22 04:57	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 04:57	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 04:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 04:57	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 04:57	1

Client Sample ID: FBS010_DUP-1_052022
Date Collected: 05/12/22 13:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 04:57*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 04:57*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/24/22 04:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 04:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.31	0.10	ug/L		05/19/22 09:47	05/21/22 04:48	1
1-Methylnaphthalene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
2-Methylnaphthalene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Acenaphthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Acenaphthylene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Anthracene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[a]anthracene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[a]pyrene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[b]fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[g,h,i]perylene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[k]fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Bis(2-chloroethyl)ether	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Chrysene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dibenz(a,h)anthracene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dibenzofuran	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Diethylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dimethylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Di-n-butyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Di-n-octyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Fluorene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Hexachlorobenzene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Naphthalene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 04:48	1
N-Nitrosodimethylamine	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Phenanthrene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 04:48	1
Pyrene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*62*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 04:48*	*1*
Benzo(a)pyrene-d12 (Surr)	*64*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 04:48*	*1*
Fluoranthene-d10 (Surr)	*68*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 04:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:30	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 01:30	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:30	1

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

Job ID: 410-84076-1

Client Sample ID: FBS010_DUP-1_052022
Date Collected: 05/12/22 13:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-5
Matrix: Water

Method: 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		05/19/22 09:46	05/20/22 01:30	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
2-Fluorobiphenyl (Surr)	*77*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
2-Fluorophenol (Surr)	*44*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
p-Terphenyl-d14 (Surr)	*97*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*

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

Job ID: 410-84076-1

Client Sample ID: FBW001_TB_052022
Date Collected: 05/12/22 00:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 00:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 00:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 00:56	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 00:56	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 00:56	1
Acetone	ND		20	0.70	ug/L			05/24/22 00:56	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 00:56	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 00:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 00:56	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 00:56	1
Freon 113	ND		10	0.30	ug/L			05/24/22 00:56	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 00:56	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 00:56	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 00:56	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 00:56	1

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

Job ID: 410-84076-1

Client Sample ID: FBW001_TB_052022
Date Collected: 05/12/22 00:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/24/22 00:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 00:56*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 00:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/24/22 00:56*	*1*

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

Job ID: 410-84076-1

Client Sample ID: FBS010_TB_052022
Date Collected: 05/12/22 00:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 01:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 01:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 01:18	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 01:18	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 01:18	1
Acetone	ND		20	0.70	ug/L			05/24/22 01:18	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 01:18	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 01:18	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 01:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 01:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 01:18	1
Freon 113	ND		10	0.30	ug/L			05/24/22 01:18	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 01:18	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 01:18	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 01:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 01:18	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 01:18	1

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

Job ID: 410-84076-1

Client Sample ID: FBS010_TB_052022
Date Collected: 05/12/22 00:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 01:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 01:18*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/24/22 01:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 01:18*	*1*

Action Limit Summary

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

Job ID: 410-84076-1

Client Sample ID: FBW001_052022 — Lab Sample ID: 410-84076-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND	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
Indeno[1,2,3-cd]pyrene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND	cn	ug/L	20	0.072	8270D SIM	Total/NA
Pyrene	ND	cn	ug/L	960	0.051	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Compliance Check

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

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

Client Sample ID: FBW001_FB_052022 (Continued)

Lab Sample ID: 410-84076-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBS010_052022

Lab Sample ID: 410-84076-4

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND	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
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		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBS010_DUP-1_052022

Lab Sample ID: 410-84076-5

Compliance Check

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

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

Client Sample ID: FBS010_DUP-1_052022 (Continued)

Lab Sample ID: 410-84076-5

Compliance Check

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

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

Client Sample ID: FBW001_TB_052022

Lab Sample ID: 410-84076-7

Compliance Check

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

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

Client Sample ID: FBS010_TB_052022

Lab Sample ID: 410-84076-8

Compliance Check

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

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

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)
410-84076-1	FBW001_052022	100	95	99	99
410-84076-1 MS	FBW001_MS_052022	101	98	100	100
410-84076-1 MSD	FBW001_MSD_052022	103	96	101	99
410-84076-3	FBW001_FB_052022	99	95	99	99
410-84076-4	FBS010_052022	100	94	101	98
410-84076-5	FBS010_DUP-1_052022	100	94	101	99
410-84076-7	FBW001_TB_052022	101	94	99	101
410-84076-8	FBS010_TB_052022	100	95	100	99
LCS 410-258274/4	Lab Control Sample	102	98	101	101
LCSD 410-258274/5	Lab Control Sample Dup	100	97	100	101
MB 410-258274/7	Method Blank	99	96	100	99

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-150)	(44-120)	(10-120)	(25-125)	(10-120)	(37-120)
410-84076-1	FBW001_052022	81	75	43	72	28	99
410-84076-1 MS	FBW001_MS_052022	85	76	54	71	39	93
410-84076-1 MSD	FBW001_MSD_052022	98	92	63	89	45	100
410-84076-3	FBW001_FB_052022	74	76	43	73	28	94
410-84076-4	FBS010_052022	80	75	45	74	30	83
410-84076-5	FBS010_DUP-1_052022	80	77	44	76	29	97
LCS 410-256916/2-A	Lab Control Sample	97	86	57	83	41	101
LCSD 410-256916/3-A	Lab Control Sample Dup	94	83	60	84	44	102
MB 410-256916/1-A	Method Blank	92	83	45	79	31	105

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-84076-1	FBW001_052022	58 cn	62 cn	68 cn
410-84076-1 MS	FBW001_MS_052022	67	78	78
410-84076-1 MSD	FBW001_MSD_052022	66	73	73

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-84076-1
Project/Site: Springfield, MO – OFIWP

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-84076-3	FBW001_FB_052022	69	72	69
410-84076-4	FBS010_052022	65 cn	63 cn	70 cn
410-84076-5	FBS010_DUP-1_052022	62 cn	64 cn	68 cn
LCS 410-256915/2-A	Lab Control Sample	62	81	73
LCSD 410-256915/3-A	Lab Control Sample Dup	62	76	71
MB 410-256915/1-A	Method Blank	69	73	72

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 410-258274/7
Matrix: Water
Analysis Batch: 258274

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			05/23/22 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/23/22 22:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/23/22 22:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
2-Butanone	ND		10	0.50	ug/L			05/23/22 22:45	1
2-Hexanone	ND		10	0.40	ug/L			05/23/22 22:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/23/22 22:45	1
Acetone	ND		20	0.70	ug/L			05/23/22 22:45	1
Benzene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Bromoform	ND		4.0	1.0	ug/L			05/23/22 22:45	1
Bromomethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chloroethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Chloroform	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Cyclohexane	ND		5.0	1.0	ug/L			05/23/22 22:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/23/22 22:45	1
Freon 113	ND		10	0.30	ug/L			05/23/22 22:45	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/23/22 22:45	1
Methyl acetate	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/23/22 22:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Styrene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Toluene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Trichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1

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

Lab Sample ID: MB 410-258274/7
Matrix: Water
Analysis Batch: 258274

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			05/23/22 22:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/23/22 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/23/22 22:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/23/22 22:45*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/23/22 22:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/23/22 22:45*	*1*

Lab Sample ID: LCS 410-258274/4
Matrix: Water
Analysis Batch: 258274

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.2		ug/L		106	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120
1,1-Dichloroethane	20.0	19.9		ug/L		100	80 - 120
1,1-Dichloroethene	20.0	21.4		ug/L		107	80 - 131
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	63 - 120
1,2,4-Trimethylbenzene	20.0	20.6		ug/L		103	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		86	47 - 131
1,2-Dibromoethane	20.0	20.6		ug/L		103	77 - 120
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	19.4		ug/L		97	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	20.0	20.8		ug/L		104	75 - 120
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
2-Butanone	250	237		ug/L		95	59 - 135
2-Hexanone	250	252		ug/L		101	56 - 135
4-Methyl-2-pentanone	250	253		ug/L		101	62 - 133
Acetone	250	287		ug/L		115	54 - 157
Benzene	20.0	20.9		ug/L		104	80 - 120
Bromodichloromethane	20.0	21.0		ug/L		105	71 - 120
Bromoform	20.0	19.4		ug/L		97	51 - 120
Bromomethane	20.0	23.3		ug/L		116	53 - 128
Carbon disulfide	20.0	21.8		ug/L		109	65 - 128
Carbon tetrachloride	20.0	21.8		ug/L		109	64 - 134
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Chloroethane	20.0	23.1		ug/L		115	55 - 123
Chloroform	20.0	20.9		ug/L		105	80 - 120
Chloromethane	20.0	21.8		ug/L		109	56 - 121
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 125
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	75 - 120
Cyclohexane	20.0	22.8		ug/L		114	68 - 126
Dibromochloromethane	20.0	20.7		ug/L		104	71 - 120
Dichlorodifluoromethane	20.0	27.1	*+	ug/L		135	41 - 127

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

Lab Sample ID: LCS 410-258274/4
Matrix: Water
Analysis Batch: 258274

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	20.7		ug/L		103	80 - 120		
Freon 113			20.0	24.9		ug/L		125	73 - 139		
Isopropylbenzene			20.0	21.4		ug/L		107	80 - 120		
Methyl acetate			20.0	20.4		ug/L		102	54 - 136		
Methyl tertiary butyl ether			20.0	20.6		ug/L		103	69 - 122		
Methylcyclohexane			20.0	23.7		ug/L		119	67 - 121		
Methylene Chloride			20.0	21.1		ug/L		105	80 - 120		
Styrene			20.0	20.4		ug/L		102	80 - 120		
Tetrachloroethene			20.0	21.4		ug/L		107	80 - 120		
Toluene			20.0	21.0		ug/L		105	80 - 120		
trans-1,2-Dichloroethene			20.0	19.9		ug/L		99	80 - 126		
trans-1,3-Dichloropropene			20.0	20.3		ug/L		102	67 - 120		
Trichloroethene			20.0	21.1		ug/L		106	80 - 120		
Trichlorofluoromethane			20.0	24.5		ug/L		123	55 - 135		
Vinyl chloride			20.0	21.9		ug/L		110	56 - 120		
Xylenes, Total			60.0	63.3		ug/L		106	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-258274/5
Matrix: Water
Analysis Batch: 258274

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.9		ug/L		105	67 - 126	1	30
1,1,2,2-Tetrachloroethane			20.0	19.6		ug/L		98	72 - 120	1	30
1,1,2-Trichloroethane			20.0	20.7		ug/L		103	80 - 120	0	30
1,1-Dichloroethane			20.0	19.2		ug/L		96	80 - 120	4	30
1,1-Dichloroethene			20.0	20.7		ug/L		104	80 - 131	3	30
1,2,4-Trichlorobenzene			20.0	19.2		ug/L		96	63 - 120	4	30
1,2,4-Trimethylbenzene			20.0	20.2		ug/L		101	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			20.0	16.5		ug/L		82	47 - 131	4	30
1,2-Dibromoethane			20.0	20.7		ug/L		104	77 - 120	0	30
1,2-Dichlorobenzene			20.0	20.6		ug/L		103	80 - 120	2	30
1,2-Dichloroethane			20.0	20.0		ug/L		100	73 - 124	3	30
1,2-Dichloropropane			20.0	19.6		ug/L		98	80 - 120	5	30
1,3,5-Trimethylbenzene			20.0	20.5		ug/L		103	75 - 120	1	30
1,3-Dichlorobenzene			20.0	20.4		ug/L		102	80 - 120	2	30
1,4-Dichlorobenzene			20.0	20.4		ug/L		102	80 - 120	3	30
2-Butanone			250	232		ug/L		93	59 - 135	2	30
2-Hexanone			250	246		ug/L		99	56 - 135	2	30
4-Methyl-2-pentanone			250	245		ug/L		98	62 - 133	3	30
Acetone			250	273		ug/L		109	54 - 157	5	30
Benzene			20.0	20.4		ug/L		102	80 - 120	2	30

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

Lab Sample ID: LCSD 410-258274/5
Matrix: Water
Analysis Batch: 258274

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	20.3		ug/L		102	71 - 120	3	30
Bromoform	20.0	18.9		ug/L		95	51 - 120	3	30
Bromomethane	20.0	23.0		ug/L		115	53 - 128	1	30
Carbon disulfide	20.0	21.2		ug/L		106	65 - 128	3	30
Carbon tetrachloride	20.0	21.2		ug/L		106	64 - 134	3	30
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120	0	30
Chloroethane	20.0	22.6		ug/L		113	55 - 123	2	30
Chloroform	20.0	20.3		ug/L		102	80 - 120	3	30
Chloromethane	20.0	20.7		ug/L		103	56 - 121	5	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	19.3		ug/L		97	75 - 120	3	30
Cyclohexane	20.0	22.3		ug/L		111	68 - 126	2	30
Dibromochloromethane	20.0	20.2		ug/L		101	71 - 120	3	30
Dichlorodifluoromethane	20.0	26.5	*+	ug/L		133	41 - 127	2	30
Ethylbenzene	20.0	20.6		ug/L		103	80 - 120	0	30
Freon 113	20.0	23.3		ug/L		116	73 - 139	7	30
Isopropylbenzene	20.0	21.2		ug/L		106	80 - 120	1	30
Methyl acetate	20.0	20.3		ug/L		101	54 - 136	1	30
Methyl tertiary butyl ether	20.0	20.0		ug/L		100	69 - 122	3	30
Methylcyclohexane	20.0	23.4		ug/L		117	67 - 121	1	30
Methylene Chloride	20.0	20.5		ug/L		102	80 - 120	3	30
Styrene	20.0	20.4		ug/L		102	80 - 120	0	30
Tetrachloroethene	20.0	21.4		ug/L		107	80 - 120	0	30
Toluene	20.0	21.0		ug/L		105	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126	0	30
trans-1,3-Dichloropropene	20.0	19.9		ug/L		100	67 - 120	2	30
Trichloroethene	20.0	20.3		ug/L		101	80 - 120	4	30
Trichlorofluoromethane	20.0	24.4		ug/L		122	55 - 135	1	30
Vinyl chloride	20.0	21.5		ug/L		107	56 - 120	2	30
Xylenes, Total	60.0	62.5		ug/L		104	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
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	23.5		ug/L		117	67 - 126
1,1,2,2-Tetrachloroethane	ND		20.0	19.9		ug/L		99	72 - 120
1,1,2-Trichloroethane	ND		20.0	20.9		ug/L		105	80 - 120
1,1-Dichloroethane	ND		20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethene	ND		20.0	23.6		ug/L		118	80 - 131
1,2,4-Trichlorobenzene	ND		20.0	19.6		ug/L		98	63 - 120

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

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	22.0		ug/L		110	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.5		ug/L		83	47 - 131
1,2-Dibromoethane	ND		20.0	21.2		ug/L		106	77 - 120
1,2-Dichlorobenzene	ND		20.0	21.3		ug/L		107	80 - 120
1,2-Dichloroethane	ND		20.0	20.7		ug/L		103	73 - 124
1,2-Dichloropropane	ND		20.0	21.5		ug/L		108	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	22.5		ug/L		112	75 - 120
1,3-Dichlorobenzene	ND		20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.9		ug/L		109	80 - 120
2-Butanone	ND		250	232		ug/L		93	59 - 135
2-Hexanone	ND		250	248		ug/L		99	56 - 135
4-Methyl-2-pentanone	ND		250	250		ug/L		100	62 - 133
Acetone	ND		250	293		ug/L		117	54 - 157
Benzene	ND		20.0	22.6		ug/L		113	80 - 120
Bromodichloromethane	ND		20.0	21.6		ug/L		108	71 - 120
Bromoform	ND		20.0	19.6		ug/L		98	51 - 120
Bromomethane	ND	F1	20.0	25.8	F1	ug/L		129	53 - 128
Carbon disulfide	ND		20.0	24.1		ug/L		120	65 - 128
Carbon tetrachloride	ND		20.0	24.9		ug/L		125	64 - 134
Chlorobenzene	ND		20.0	22.6		ug/L		113	80 - 120
Chloroethane	ND	F1	20.0	26.6	F1	ug/L		133	55 - 123
Chloroform	ND		20.0	22.4		ug/L		112	80 - 120
Chloromethane	ND	F1	20.0	24.1		ug/L		120	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.1		ug/L		116	80 - 125
cis-1,3-Dichloropropene	ND		20.0	20.2		ug/L		101	75 - 120
Cyclohexane	ND	F1	20.0	27.1	F1	ug/L		135	68 - 126
Dibromochloromethane	ND		20.0	21.0		ug/L		105	71 - 120
Dichlorodifluoromethane	ND	*+ F1 cn	20.0	32.1	F1	ug/L		160	41 - 127
Ethylbenzene	ND		20.0	23.0		ug/L		115	80 - 120
Freon 113	ND	F1	20.0	29.2	F1	ug/L		146	73 - 139
Isopropylbenzene	ND		20.0	23.9		ug/L		119	80 - 120
Methyl acetate	ND		20.0	18.5		ug/L		93	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.3		ug/L		101	69 - 122
Methylcyclohexane	ND	F1	20.0	28.9	F1	ug/L		145	67 - 121
Methylene Chloride	ND		20.0	22.2		ug/L		111	80 - 120
Styrene	ND		20.0	22.2		ug/L		111	80 - 120
Tetrachloroethene	ND	F1	20.0	24.5	F1	ug/L		123	80 - 120
Toluene	ND		20.0	23.0		ug/L		115	80 - 120
trans-1,2-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 126
trans-1,3-Dichloropropene	ND		20.0	20.5		ug/L		103	67 - 120
Trichloroethene	ND		20.0	23.1		ug/L		115	80 - 120
Trichlorofluoromethane	ND	F1 cn	20.0	30.3	F1	ug/L		152	55 - 135
Vinyl chloride	ND	F1	20.0	25.6	F1	ug/L		128	56 - 120
Xylenes, Total	ND		60.0	69.4		ug/L		116	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	23.9		ug/L		120	67 - 126	2	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		98	72 - 120	2	30
1,1,2-Trichloroethane	ND		20.0	20.8		ug/L		104	80 - 120	0	30
1,1-Dichloroethane	ND		20.0	21.6		ug/L		108	80 - 120	2	30
1,1-Dichloroethene	ND		20.0	23.9		ug/L		119	80 - 131	1	30
1,2,4-Trichlorobenzene	ND		20.0	20.1		ug/L		100	63 - 120	3	30
1,2,4-Trimethylbenzene	ND		20.0	22.0		ug/L		110	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	ND		20.0	16.6		ug/L		83	47 - 131	1	30
1,2-Dibromoethane	ND		20.0	20.9		ug/L		105	77 - 120	1	30
1,2-Dichlorobenzene	ND		20.0	21.5		ug/L		107	80 - 120	1	30
1,2-Dichloroethane	ND		20.0	21.1		ug/L		106	73 - 124	2	30
1,2-Dichloropropane	ND		20.0	21.6		ug/L		108	80 - 120	0	30
1,3,5-Trimethylbenzene	ND		20.0	22.6		ug/L		113	75 - 120	0	30
1,3-Dichlorobenzene	ND		20.0	22.2		ug/L		111	80 - 120	2	30
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120	2	30
2-Butanone	ND		250	237		ug/L		95	59 - 135	2	30
2-Hexanone	ND		250	244		ug/L		98	56 - 135	2	30
4-Methyl-2-pentanone	ND		250	250		ug/L		100	62 - 133	0	30
Acetone	ND		250	298		ug/L		119	54 - 157	2	30
Benzene	ND		20.0	23.0		ug/L		115	80 - 120	2	30
Bromodichloromethane	ND		20.0	22.2		ug/L		111	71 - 120	3	30
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	3	30
Bromomethane	ND	F1	20.0	26.3	F1	ug/L		132	53 - 128	2	30
Carbon disulfide	ND		20.0	24.7		ug/L		123	65 - 128	3	30
Carbon tetrachloride	ND		20.0	25.5		ug/L		127	64 - 134	2	30
Chlorobenzene	ND		20.0	22.3		ug/L		111	80 - 120	2	30
Chloroethane	ND	F1	20.0	26.4	F1	ug/L		132	55 - 123	1	30
Chloroform	ND		20.0	22.8		ug/L		114	80 - 120	2	30
Chloromethane	ND	F1	20.0	24.7	F1	ug/L		124	56 - 121	3	30
cis-1,2-Dichloroethene	ND		20.0	23.5		ug/L		117	80 - 125	2	30
cis-1,3-Dichloropropene	ND		20.0	20.5		ug/L		102	75 - 120	1	30
Cyclohexane	ND	F1	20.0	27.8	F1	ug/L		139	68 - 126	3	30
Dibromochloromethane	ND		20.0	20.8		ug/L		104	71 - 120	1	30
Dichlorodifluoromethane	ND	*+ F1 cn	20.0	33.2	F1	ug/L		166	41 - 127	3	30
Ethylbenzene	ND		20.0	22.8		ug/L		114	80 - 120	1	30
Freon 113	ND	F1	20.0	29.6	F1	ug/L		148	73 - 139	2	30
Isopropylbenzene	ND		20.0	23.5		ug/L		118	80 - 120	2	30
Methyl acetate	ND		20.0	18.7		ug/L		94	54 - 136	1	30
Methyl tertiary butyl ether	ND		20.0	20.6		ug/L		103	69 - 122	2	30
Methylcyclohexane	ND	F1	20.0	29.3	F1	ug/L		146	67 - 121	1	30

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.1		ug/L		111	80 - 120	0	30
Styrene	ND		20.0	22.0		ug/L		110	80 - 120	1	30
Tetrachloroethene	ND	F1	20.0	24.1		ug/L		120	80 - 120	2	30
Toluene	ND		20.0	22.8		ug/L		114	80 - 120	1	30
trans-1,2-Dichloroethene	ND		20.0	22.3		ug/L		112	80 - 126	1	30
trans-1,3-Dichloropropene	ND		20.0	20.7		ug/L		103	67 - 120	1	30
Trichloroethene	ND		20.0	23.5		ug/L		117	80 - 120	2	30
Trichlorofluoromethane	ND	F1 cn	20.0	30.8	F1	ug/L		154	55 - 135	2	30
Vinyl chloride	ND	F1	20.0	25.8	F1	ug/L		129	56 - 120	1	30
Xylenes, Total	ND		60.0	68.8		ug/L		115	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 410-256916/1-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/19/22 17:47	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/19/22 17:47	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1
Carbazole	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
Nitrobenzene-d5 (Surr)	*79*		*25 - 125*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
p-Terphenyl-d14 (Surr)	*105*		*37 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*

Lab Sample ID: LCS 410-256916/2-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	49		ug/L		98	62 - 120
2,4-Dinitrophenol	100	100		ug/L		102	43 - 146
2-Chlorophenol	50.0	43		ug/L		85	57 - 120
Carbazole	50.0	50		ug/L		100	74 - 120
Phenol	50.0	25		ug/L		51	22 - 120

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

Lab Sample ID: LCS 410-256916/2-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256916

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	97		10 - 150
2-Fluorobiphenyl (Surr)	86		44 - 120
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	83		25 - 125
Phenol-d5 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	101		37 - 120

Lab Sample ID: LCSD 410-256916/3-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	51		ug/L		102	62 - 120	4	30
2,4-Dinitrophenol			100	110		ug/L		110	43 - 146	7	30
2-Chlorophenol			50.0	46		ug/L		92	57 - 120	7	30
Carbazole			50.0	51		ug/L		101	74 - 120	1	30
Phenol			50.0	26		ug/L		52	22 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	94		10 - 150
2-Fluorobiphenyl (Surr)	83		44 - 120
2-Fluorophenol (Surr)	60		10 - 120
Nitrobenzene-d5 (Surr)	84		25 - 125
Phenol-d5 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	102		37 - 120

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 257173

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA
Prep Batch: 256916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	ND		51.8	46		ug/L		88	62 - 120
2,4-Dinitrophenol	ND		104	89		ug/L		86	43 - 146
2-Chlorophenol	ND		51.8	43		ug/L		82	57 - 120
Carbazole	ND		51.8	46		ug/L		88	74 - 120
Phenol	ND		51.8	24		ug/L		47	22 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	85		10 - 150
2-Fluorobiphenyl (Surr)	76		44 - 120
2-Fluorophenol (Surr)	54		10 - 120
Nitrobenzene-d5 (Surr)	71		25 - 125
Phenol-d5 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	93		37 - 120

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 257173

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA
Prep Batch: 256916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		50.7	54		ug/L		107	62 - 120	17	30
2,4-Dinitrophenol	ND		101	79		ug/L		78	43 - 146	12	30
2-Chlorophenol	ND		50.7	48		ug/L		95	57 - 120	13	30
Carbazole	ND		50.7	52		ug/L		102	74 - 120	13	30
Phenol	ND		50.7	28		ug/L		55	22 - 120	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 150*
2-Fluorobiphenyl (Surr)	*92*		*44 - 120*
2-Fluorophenol (Surr)	*63*		*10 - 120*
Nitrobenzene-d5 (Surr)	*89*		*25 - 125*
Phenol-d5 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*100*		*37 - 120*

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

Lab Sample ID: MB 410-256915/1-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256915

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		05/19/22 09:47	05/20/22 18:20	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Acenaphthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Anthracene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Chrysene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dimethylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Fluorene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Naphthalene	ND		0.070	0.030	ug/L		05/19/22 09:47	05/20/22 18:20	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1

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

Lab Sample ID: MB 410-256915/1-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256915

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.070	0.030	ug/L		05/19/22 09:47	05/20/22 18:20	1
Pyrene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*69*		*36 - 111*	*05/19/22 09:47*	*05/20/22 18:20*	*1*
Benzo(a)pyrene-d12 (Surr)	*73*		*10 - 110*	*05/19/22 09:47*	*05/20/22 18:20*	*1*
Fluoranthene-d10 (Surr)	*72*		*47 - 128*	*05/19/22 09:47*	*05/20/22 18:20*	*1*

Lab Sample ID: LCS 410-256915/2-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.415		ug/L		42	23 - 120
1-Methylnaphthalene	1.00	0.607		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.585		ug/L		58	20 - 133
Acenaphthene	1.00	0.697		ug/L		70	42 - 120
Acenaphthylene	1.00	0.672		ug/L		67	49 - 120
Anthracene	1.00	0.726		ug/L		73	54 - 121
Benzo[a]anthracene	1.00	0.777		ug/L		78	61 - 122
Benzo[a]pyrene	1.00	0.726		ug/L		73	60 - 120
Benzo[b]fluoranthene	1.00	0.872		ug/L		87	58 - 122
Benzo[g,h,i]perylene	1.00	0.702		ug/L		70	50 - 120
Benzo[k]fluoranthene	1.00	0.768		ug/L		77	57 - 128
Bis(2-chloroethyl)ether	1.00	0.703		ug/L		70	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	0.950	J	ug/L		95	14 - 155
Butylbenzylphthalate	1.00	0.889	J	ug/L		89	10 - 120
Chrysene	1.00	0.699		ug/L		70	55 - 123
Dibenz(a,h)anthracene	1.00	0.713		ug/L		71	50 - 121
Dibenzofuran	1.00	0.735		ug/L		73	48 - 124
Diethylphthalate	1.00	0.948	J	ug/L		95	38 - 120
Dimethylphthalate	1.00	0.860	J	ug/L		86	10 - 121
Di-n-butyl phthalate	1.00	1.06		ug/L		106	46 - 125
Di-n-octyl phthalate	1.00	0.921	J	ug/L		92	22 - 130
Fluoranthene	1.00	0.763		ug/L		76	61 - 123
Fluorene	1.00	0.716		ug/L		72	55 - 120
Hexachlorobenzene	1.00	0.621		ug/L		62	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.790		ug/L		79	47 - 143
Naphthalene	1.00	0.572		ug/L		57	20 - 120
N-Nitrosodimethylamine	1.00	0.644		ug/L		64	37 - 120
Phenanthrene	1.00	0.713		ug/L		71	59 - 120
Pyrene	1.00	0.682		ug/L		68	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*81*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

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

Lab Sample ID: LCSD 410-256915/3-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256915

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.509		ug/L		51	23 - 120	20	30
1-Methylnaphthalene			1.00	0.615		ug/L		61	23 - 124	1	30
2-Methylnaphthalene			1.00	0.570		ug/L		57	20 - 133	3	30
Acenaphthene			1.00	0.706		ug/L		71	42 - 120	1	30
Acenaphthylene			1.00	0.673		ug/L		67	49 - 120	0	30
Anthracene			1.00	0.715		ug/L		72	54 - 121	1	30
Benzo[a]anthracene			1.00	0.803		ug/L		80	61 - 122	3	30
Benzo[a]pyrene			1.00	0.736		ug/L		74	60 - 120	1	30
Benzo[b]fluoranthene			1.00	0.886		ug/L		89	58 - 122	2	30
Benzo[g,h,i]perylene			1.00	0.733		ug/L		73	50 - 120	4	30
Benzo[k]fluoranthene			1.00	0.775		ug/L		78	57 - 128	1	30
Bis(2-chloroethyl)ether			1.00	0.707		ug/L		71	59 - 130	1	30
Bis(2-ethylhexyl) phthalate			1.00	0.944	J	ug/L		94	14 - 155	1	30
Butylbenzylphthalate			1.00	0.779	J	ug/L		78	10 - 120	13	30
Chrysene			1.00	0.713		ug/L		71	55 - 123	2	30
Dibenz(a,h)anthracene			1.00	0.745		ug/L		75	50 - 121	4	30
Dibenzofuran			1.00	0.745		ug/L		74	48 - 124	1	30
Diethylphthalate			1.00	0.896	J	ug/L		90	38 - 120	6	30
Dimethylphthalate			1.00	0.729	J	ug/L		73	10 - 121	16	30
Di-n-butyl phthalate			1.00	1.02		ug/L		102	46 - 125	3	30
Di-n-octyl phthalate			1.00	0.937	J	ug/L		94	22 - 130	2	30
Fluoranthene			1.00	0.751		ug/L		75	61 - 123	2	30
Fluorene			1.00	0.720		ug/L		72	55 - 120	1	30
Hexachlorobenzene			1.00	0.606		ug/L		61	20 - 120	2	30
Indeno[1,2,3-cd]pyrene			1.00	0.804		ug/L		80	47 - 143	2	30
Naphthalene			1.00	0.586		ug/L		59	20 - 120	2	30
N-Nitrosodimethylamine			1.00	0.686		ug/L		69	37 - 120	6	30
Phenanthrene			1.00	0.707		ug/L		71	59 - 120	1	30
Pyrene			1.00	0.683		ug/L		68	46 - 122	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*76*		*10 - 110*
Fluoranthene-d10 (Surr)	*71*		*47 - 128*

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND	cn	1.01	0.550		ug/L		54	23 - 120
1-Methylnaphthalene	ND	cn	1.01	0.689		ug/L		68	23 - 124
2-Methylnaphthalene	ND	cn	1.01	0.645		ug/L		64	20 - 133
Acenaphthene	ND	cn	1.01	0.800		ug/L		79	42 - 120
Acenaphthylene	ND	cn	1.01	0.741		ug/L		73	49 - 120
Anthracene	ND	cn	1.01	0.820		ug/L		81	54 - 121
Benzo[a]anthracene	ND	cn	1.01	0.863		ug/L		85	61 - 122
Benzo[a]pyrene	ND	cn	1.01	0.769		ug/L		76	60 - 120

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

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND	cn	1.01	0.970		ug/L		96	58 - 122
Benzo[g,h,i]perylene	ND	cn	1.01	0.724		ug/L		72	50 - 120
Benzo[k]fluoranthene	ND	cn	1.01	0.825		ug/L		82	57 - 128
Bis(2-chloroethyl)ether	ND	cn	1.01	0.746		ug/L		74	59 - 130
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	1.04		ug/L		103	14 - 155
Butylbenzylphthalate	ND	cn	1.01	0.703	J	ug/L		70	10 - 120
Chrysene	ND	cn	1.01	0.799		ug/L		79	55 - 123
Dibenz(a,h)anthracene	ND	cn	1.01	0.717		ug/L		71	50 - 121
Dibenzofuran	ND	cn	1.01	0.798		ug/L		79	48 - 124
Diethylphthalate	ND	cn	1.01	0.917	J	ug/L		91	38 - 120
Dimethylphthalate	ND	cn	1.01	0.676	J	ug/L		67	10 - 121
Di-n-butyl phthalate	ND	cn	1.01	1.17		ug/L		115	46 - 125
Di-n-octyl phthalate	ND	cn	1.01	0.990	J	ug/L		98	22 - 130
Fluoranthene	ND	cn	1.01	0.858		ug/L		85	61 - 123
Fluorene	ND	cn	1.01	0.795		ug/L		79	55 - 120
Hexachlorobenzene	ND	cn	1.01	0.760		ug/L		75	20 - 120
Indeno[1,2,3-cd]pyrene	ND	cn	1.01	0.770		ug/L		76	47 - 143
Naphthalene	ND	cn	1.01	0.597		ug/L		59	20 - 120
N-Nitrosodimethylamine	ND	cn	1.01	0.748		ug/L		74	37 - 120
Phenanthrene	ND	cn	1.01	0.816		ug/L		81	59 - 120
Pyrene	ND	cn	1.01	0.764		ug/L		76	46 - 122

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND	cn	1.01	0.515		ug/L		51	23 - 120	7	30
1-Methylnaphthalene	ND	cn	1.01	0.668		ug/L		66	23 - 124	3	30
2-Methylnaphthalene	ND	cn	1.01	0.629		ug/L		62	20 - 133	3	30
Acenaphthene	ND	cn	1.01	0.693		ug/L		68	42 - 120	14	30
Acenaphthylene	ND	cn	1.01	0.705		ug/L		70	49 - 120	5	30
Anthracene	ND	cn	1.01	0.738		ug/L		73	54 - 121	10	30
Benzo[a]anthracene	ND	cn	1.01	0.781		ug/L		77	61 - 122	10	30
Benzo[a]pyrene	ND	cn	1.01	0.722		ug/L		71	60 - 120	6	30
Benzo[b]fluoranthene	ND	cn	1.01	0.870		ug/L		86	58 - 122	11	30
Benzo[g,h,i]perylene	ND	cn	1.01	0.686		ug/L		68	50 - 120	5	30
Benzo[k]fluoranthene	ND	cn	1.01	0.756		ug/L		75	57 - 128	9	30
Bis(2-chloroethyl)ether	ND	cn	1.01	0.701		ug/L		69	59 - 130	6	30
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.924	J	ug/L		91	14 - 155	12	30
Butylbenzylphthalate	ND	cn	1.01	0.663	J	ug/L		65	10 - 120	6	30
Chrysene	ND	cn	1.01	0.733		ug/L		72	55 - 123	9	30
Dibenz(a,h)anthracene	ND	cn	1.01	0.668		ug/L		66	50 - 121	7	30

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran	ND	cn	1.01	0.777		ug/L		77	48 - 124	3	30
Diethylphthalate	ND	cn	1.01	0.883	J	ug/L		87	38 - 120	4	30
Dimethylphthalate	ND	cn	1.01	0.660	J	ug/L		65	10 - 121	2	30
Di-n-butyl phthalate	ND	cn	1.01	1.05		ug/L		104	46 - 125	10	30
Di-n-octyl phthalate	ND	cn	1.01	0.902	J	ug/L		89	22 - 130	9	30
Fluoranthene	ND	cn	1.01	0.771		ug/L		76	61 - 123	11	30
Fluorene	ND	cn	1.01	0.757		ug/L		75	55 - 120	5	30
Hexachlorobenzene	ND	cn	1.01	0.722		ug/L		71	20 - 120	5	30
Indeno[1,2,3-cd]pyrene	ND	cn	1.01	0.719		ug/L		71	47 - 143	7	30
Naphthalene	ND	cn	1.01	0.581		ug/L		57	20 - 120	3	30
N-Nitrosodimethylamine	ND	cn	1.01	0.691		ug/L		68	37 - 120	8	30
Phenanthrene	ND	cn	1.01	0.745		ug/L		74	59 - 120	9	30
Pyrene	ND	cn	1.01	0.703		ug/L		69	46 - 122	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*66*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*73*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

GC/MS VOA

Analysis Batch: 258274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8260C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	8260C	
410-84076-4	FBS010_052022	Total/NA	Water	8260C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8260C	
410-84076-7	FBW001_TB_052022	Total/NA	Water	8260C	
410-84076-8	FBS010_TB_052022	Total/NA	Water	8260C	
MB 410-258274/7	Method Blank	Total/NA	Water	8260C	
LCS 410-258274/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-258274/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8260C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 256915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	3510C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	3510C	
410-84076-4	FBS010_052022	Total/NA	Water	3510C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	3510C	
MB 410-256915/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-256915/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-256915/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	3510C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	3510C	

Prep Batch: 256916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	3510C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	3510C	
410-84076-4	FBS010_052022	Total/NA	Water	3510C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	3510C	
MB 410-256916/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-256916/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-256916/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	3510C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	3510C	

Analysis Batch: 257173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8270D	256916
410-84076-3	FBW001_FB_052022	Total/NA	Water	8270D	256916
410-84076-4	FBS010_052022	Total/NA	Water	8270D	256916
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8270D	256916
MB 410-256916/1-A	Method Blank	Total/NA	Water	8270D	256916
LCS 410-256916/2-A	Lab Control Sample	Total/NA	Water	8270D	256916
LCSD 410-256916/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	256916
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8270D	256916
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8270D	256916

QC Association Summary

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

Job ID: 410-84076-1

GC/MS Semi VOA

Analysis Batch: 257602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8270D SIM	256915
410-84076-4	FBS010_052022	Total/NA	Water	8270D SIM	256915
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8270D SIM	256915
MB 410-256915/1-A	Method Blank	Total/NA	Water	8270D SIM	256915
LCS 410-256915/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	256915
LCSD 410-256915/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	256915
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8270D SIM	256915
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8270D SIM	256915

Analysis Batch: 257935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-3	FBW001_FB_052022	Total/NA	Water	8270D SIM	256915

Client Sample ID: FBW001_052022

Lab Sample ID: 410-84076-1

Date Collected: 05/12/22 09:22

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 01:40	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 00:06	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 03:21	UJM0	ELLE

Client Sample ID: FBW001_FB_052022

Lab Sample ID: 410-84076-3

Date Collected: 05/12/22 09:27

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 00:35	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:51	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257935	05/23/22 10:22	UJM0	ELLE

Client Sample ID: FBS010_052022

Lab Sample ID: 410-84076-4

Date Collected: 05/12/22 09:42

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 04:35	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:09	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 04:26	UJM0	ELLE

Client Sample ID: FBS010_DUP-1_052022

Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 04:57	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:30	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 04:48	UJM0	ELLE

Client Sample ID: FBW001_TB_052022

Lab Sample ID: 410-84076-7

Date Collected: 05/12/22 00:00

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 00:56	K4WN	ELLE

Lab Chronicle

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

Job ID: 410-84076-1

Client Sample ID: FBS010_TB_052022

Lab Sample ID: 410-84076-8

Date Collected: 05/12/22 00:00

Matrix: Water

Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 01:18	K4WN	ELLE

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-84076-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

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

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

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

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

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

Authority	Program	Identification Number	Expiration Date

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

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

Method Summary

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

Job ID: 410-84076-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 410-84076-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-84076-1	FBW001_052022	Water	05/12/22 09:22	05/13/22 10:23
410-84076-3	FBW001_FB_052022	Water	05/12/22 09:27	05/13/22 10:23
410-84076-4	FBS010_052022	Water	05/12/22 09:42	05/13/22 10:23
410-84076-5	FBS010_DUP-1_052022	Water	05/12/22 13:00	05/13/22 10:23
410-84076-7	FBW001_TB_052022	Water	05/12/22 00:00	05/13/22 10:23
410-84076-8	FBS010_TB_052022	Water	05/12/22 00:00	05/13/22 10:23

410-84076 Chain of Custody

Keep this liner for your records.

817087798821 817087798821

Chain of Custody Record

Client Contact: Kay Kincannon	Sampler: Craig Rowden	Lab PM: ~~Gottman, Hannah L~~ Braun, Nichole	Carrier Tracking No(s):	COC No: 410-55081-14132 1
Company: Environmental Works, Inc	Phone:	E-Mail: ~~Hannah.Gottman@et.eurofinsus.com~~	State of Origin:	Page: Page 1 of ~~2~~
Address: 1455 East Chestnut Expressway	PWSID:	Due Date Requested:	Analysis Requested	Job #:
City: Springfield		TAT Requested (days):		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, Z - other (specify)
State, Zip: MO, 65802		Compliance Project: Δ Yes Δ No		
Phone: 406-457-2142(Tel)		PO #: SPRINGFIELD, MO		
Email: kkincannon@environmentalworks.com		WO #:		Other:
Project Name: Springfield, MO – OFIWP		Project #: 41006923		
Site:		SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBW001_052022	5/12/22	922	G	W		X	X		
FBW001_MS_052022	5/12/22	922	G	W		X	X		
FBW001_MSD_052022	5/12/22	922	G	W		X	X		
~~FBW001_DUP-1_052022~~ EDJ	5/12/22	1200	G	W		X	X		
FBW001_FB_052022	5/12/22	927	G	W		X	X		
FBS010_052022	5/12/22	942	G	W		X	X		
~~FBS010_MS_052022~~ EDJ	5/12/22	942	G	W		X	X		
~~FBS010_MSD_052022~~ EDJ	5/12/22	942	G	W		X	X		
FBS010_DUP-1_052022	5/12/22	1300	G	W		X	X		
~~FBS010_FB_052022~~ EDJ	5/12/22	947	G	W		X	X		
~~Trip Blank~~ FBW001_TMP_052022	LAB	PREP	G	W					

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Luis Sypolt	Date/Time: 04-25-22 1142	Company	Received by		Date/Time		Company
Relinquished by: Craig Rowden	Date/Time: 5/12/22 1200	Company: ENVE	Received by		Date/Time		Company
Relinquished by:	Date/Time	Company	Received by		Date/Time: 5/13/22 10:23		Company: ENVE

Custody Seals Intact: X Yes Δ No | Custody Seal No: 137272$ 13727 1 | Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C

Ver: 06/08/2021

5/24/2022

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM: Cottman Hannah L	Carrier Tracking No(s)	COC No: 410-55081-14132.1
Client Contact: Kay Kincannon	Phone	E-Mail: Hannah.Cottman@et.eurofinsus.com	State of Origin	Page: ~~Page 1 of 1~~ 2 of 2
Company: Environmental Works, Inc	PWSID			Job #
Address: 1455 East Chestnut Expressway	Due Date Requested:			
City: Springfield	TAT Requested (days):			
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No			
Phone: 406-457-2142(Tel)	PO #: SPRINGFIELD, MO			
Email: kkincannon@environmentalworks.com	WO #			
Project Name: Springfield, MO - OFIWP	Project #: 41006923			
Site	SSOW#			

Analysis Requested: 8260C - Springfield, MO - 8260C TCL4.3 + TMB; 8270D 8270D_SIM

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, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D 8270D_SIM	Special Instructions/Note
~~FB~~ FBS010_TMP.052022	LAB	PREP		W			
FBW001_TB_052022				W	X		
~~FB~~ FBS010_TB_052022				W	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Luis [signature]	04-25-22 1442				
Travis Rander [signature]	5/12/22 1200	EWI			
			[signature]	5/13/22 ~~[illegible]~~ 10:23	Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 137272 & 137271 | Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C 5/13/22 [illegible]

101

410-84076 Chain of Custody

Chain of Custody Record

	Sampler: Craig Rowden	Lab PM: ~~Gottman, Hannah L~~ Braun, Nichole	Carrier Tracking No(s):	COC No: 410-55081-14132 1
Client Contact: Kay Kincannon	Phone:	E-Mail: ~~Hannah.Gottman@pacelabs.com~~	State of Origin:	Page: Page 1 of 2
Company: Environmental Works, Inc	PWSID:			Job #:
Address: 1455 East Chestnut Expressway	Due Date Requested:			
City: Springfield	TAT Requested (days):			
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No			
Phone: 406-457-2142(Tel)	PO #: SPRINGFIELD, MO			
Email: kkincannon@environmentalworks.com	WO #:			
Project Name: Springfield, MO – OFIWP	Project #: 41006923			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBW001_052022	5/12/22	922	G	W		X	X		
FBW001_MS_052022	5/12/22	922	G	W		X	X		
FBW001_MSD_052022	5/12/22	922	G	W		X	X		
FBW001_DUP-1_052022	5/12/22	1200	G	W		X	X		
FBW001_FB_052022	5/12/22	927	G	W		X	X		
FBS010_052022	5/12/22	942	G	W		X	X		
FBS010_MS_052022	5/12/22	942	G	W		X	X		
FBS010_MSD_052022	5/12/22	942	G	W		X	X		
FBS010_DUP-1_052022	5/12/22	1300	G	W		X	X		
FBS010_FB_052022	5/12/22	947	G	W		X	X		
~~Trip Blank~~ FBW001_TMP_052022	LAB	PREP	G	W					

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Luis Sepulveda	Date/Time: 04-25-22 1142	Company	Received by	Date/Time	Company	
Relinquished by: Craig Rowden	Date/Time: 5/12/22 1200	Company: ENVE	Received by	Date/Time	Company	
Relinquished by:	Date/Time	Company	Received by	Date/Time: 5/13/22 10:23	Company: ENVE	

Custody Seals Intact: X Yes Δ No | Custody Seal No: 137272$ 137271 | Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM: Cottman, Hannah L	Carrier Tracking No(s)	COC No: 410-55081-14132.1
Client Contact: Kay Kincannon	Phone	E-Mail: Hannah.Cottman@et.eurofinsus.com	State of Origin	Page: ~~Page 1 of 1~~ 2 of 2
Company: Environmental Works, Inc	PWSID			Job #

Address: 1455 East Chestnut Expressway	Due Date Requested:	
City: Springfield	TAT Requested (days):	
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No	
Phone: 406-457-2142(Tel)	PO #: SPRINGFIELD, MO	
Email: kkincannon@environmentalworks.com	WO #:	
Project Name: Springfield, MO - OFIWP	Project #: 41006923	
Site:	SSOW#:	

Analysis Requested: 8260C - Springfield, MO - 8260C TCL4.3 + TMB; 8270D 8270D_SIM

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, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D 8270D_SIM	Special Instructions/Note
~~FB~~ FBS010_TMP.052022	LAB	PREP		W			
FBW001_TB_052022				W	X		
~~FB~~ FBS010_TB_052022				W	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Luis [signature]	04-25-22 1442				
Craig Randen [signature]	5/12/22 1200	EWI			
			[signature]	5/13/22 ~~[illegible]~~ 10:23	EUE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: ~~137272~~ & 137271	Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C

5/13/22 [illegible] Ver: 06/08/2021

101

Login Sample Receipt Checklist

Client: Environmental Works, Inc.

Job Number: 410-84076-1

Login Number: 84076

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Renner, Melissa

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	

ANALYTICAL REPORT

Job Number: 410-84076-1

Job Description: Springfield, MO – OFIWP

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

Attention: Jack Jackson

Approved for release.
Nicole Brown
Project Manager
5/24/2022 1:27 PM

Nicole Brown, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)471-3265
Nicole.Brown@et.eurofinsus.com
05/24/2022

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Job Number: 410-84076-1

Job Description: Springfield, MO – OFIWP

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

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

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

Table of Contents

Cover Title Page 1

Data Summaries 6

- Definitions 6
- Case Narrative 7
- Detection Summary 8
- Client Sample Results 9
- Action Limits 21
- Default Detection Limits 24
- Surrogate Summary 26
- QC Sample Results 28
- QC Association 41
- Chronicle 43
- Certification Summary 45
- Method Summary 47
- Sample Summary 48
- Manual Integration Summary 49
- Reagent Traceability 67
  - COAs 226

Organic Sample Data 397

- GC/MS VOA 397
  - Method 8260C 397
    - Method 8260C QC Summary 398
    - Method 8260C Sample Data 414
    - Standards Data 457
      - Method 8260C ICAL Data 457
      - Method 8260C CCAL Data 685

Table of Contents

Raw QC Data 711

Method 8260C Tune Data 711

Method 8260C Blank Data 719

Method 8260C LCS/LCSD Data 729

Method 8260C MS/MSD Data 744

Method 8260C Run Logs 758

Method 8260C Prep Data 760

GC/MS Semi VOA 765

Method 8270D 765

Method 8270D QC Summary 766

Method 8270D Sample Data 779

Standards Data 795

Method 8270D ICAL Data 795

Method 8270D CCAL Data 1018

Raw QC Data 1040

Method 8270D Tune Data 1040

Method 8270D Blank Data 1067

Method 8270D LCS/LCSD Data 1072

Method 8270D MS/MSD Data 1082

Method 8270D Run Logs 1090

Method 8270D Prep Data 1093

Method 8270D SIM 1099

Method 8270D SIM QC Summary 1100

Method 8270D SIM Sample Data 1119

Standards Data 1152

Method 8270D SIM ICAL Data 1152

Table of Contents

Method 8270D SIM Resolution Data 1285

Method 8270D SIM CCAL Data 1293

Raw QC Data 1318

Method 8270D SIM Tune Data 1318

Method 8270D SIM Blank Data 1354

Method 8270D SIM LCS/LCSD Data 1361

Method 8270D SIM MS/MSD Data 1374

Method 8270D SIM Run Logs 1388

Method 8270D SIM Prep Data 1393

Shipping and Receiving Documents 1401

Client Chain of Custody 1402

Sample Receipt Checklist 1406

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
410-84076-1

Receipt
The samples were received on 5/13/2022 10:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9°C and 5.5°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-258274 recovered above the upper control limit for Dichlorodifluoromethane and Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257602 recovered above the upper control limit for Benzo[b]fluoranthene, Bis(2-ethylhexyl) phthalate, 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 impacted: FBW001_052022 (410-84076-1), FBS010_052022 (410-84076-4) and FBS010_DUP-1_052022 (410-84076-5).

Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257935 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples: FBW001_FB_052022 (410-84076-3).

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

Detection Summary

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

Job ID: 410-84076-1

Client Sample ID: FBW001_052022 — Lab Sample ID: 410-84076-1

No Detections.

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	20	0.70	ug/L	1		8260C	Total/NA
Chloroform	0.90	J	1.0	0.30	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	1.7		1.0	0.052	ug/L	1		8270D SIM	Total/NA
Di-n-butyl phthalate	0.056	J	1.0	0.052	ug/L	1		8270D SIM	Total/NA

Client Sample ID: FBS010_052022 — Lab Sample ID: 410-84076-4

No Detections.

Client Sample ID: FBS010_DUP-1_052022 — Lab Sample ID: 410-84076-5

No Detections.

Client Sample ID: FBW001_TB_052022 — Lab Sample ID: 410-84076-7

No Detections.

Client Sample ID: FBS010_TB_052022 — Lab Sample ID: 410-84076-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Date Collected: 05/12/22 09:22 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 01:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 01:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 01:40	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 01:40	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 01:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 01:40	1
Acetone	ND		20	0.70	ug/L			05/24/22 01:40	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 01:40	1
Bromomethane	ND	F1	1.0	0.30	ug/L			05/24/22 01:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chloroethane	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Chloromethane	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Cyclohexane	ND	F1	5.0	1.0	ug/L			05/24/22 01:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Dichlorodifluoromethane	ND	*+ F1 cn	1.0	0.20	ug/L			05/24/22 01:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 01:40	1
Freon 113	ND	F1	10	0.30	ug/L			05/24/22 01:40	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 01:40	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Methylcyclohexane	ND	F1	5.0	0.50	ug/L			05/24/22 01:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 01:40	1
Tetrachloroethene	ND	F1	1.0	0.30	ug/L			05/24/22 01:40	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:40	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:40	1
Trichlorofluoromethane	ND	F1 cn	1.0	0.20	ug/L			05/24/22 01:40	1
Vinyl chloride	ND	F1	1.0	0.20	ug/L			05/24/22 01:40	1

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Date Collected: 05/12/22 09:22 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 01:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 01:40*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 01:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 01:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.31	0.10	ug/L		05/19/22 09:47	05/21/22 03:21	1
1-Methylnaphthalene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
2-Methylnaphthalene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Dimethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 03:21	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1
Hexachlorobenzene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Naphthalene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 03:21	1
N-Nitrosodimethylamine	ND	cn	0.051	0.021	ug/L		05/19/22 09:47	05/21/22 03:21	1
Phenanthrene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 03:21	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*58*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 03:21*	*1*
Benzo(a)pyrene-d12 (Surr)	*62*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 03:21*	*1*
Fluoranthene-d10 (Surr)	*68*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 03:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 00:06	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 00:06	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 00:06	1

Client Sample ID: FBW001_052022 — Lab Sample ID: 410-84076-1

Date Collected: 05/12/22 09:22 — **Matrix: Water**
Date Received: 05/13/22 10:23

Method: 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		05/19/22 09:46	05/20/22 00:06	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 125*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*
p-Terphenyl-d14 (Surr)	*99*		*37 - 120*	*05/19/22 09:46*	*05/20/22 00:06*	*1*

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Date Collected: 05/12/22 09:27 — **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 00:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 00:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 00:35	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 00:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 00:35	1
Acetone	**10**	**J**	20	0.70	ug/L			05/24/22 00:35	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 00:35	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Chloroform	**0.90**	**J**	1.0	0.30	ug/L			05/24/22 00:35	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 00:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 00:35	1

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Date Collected: 05/12/22 09:27 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 00:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 00:35	1
Freon 113	ND		10	0.30	ug/L			05/24/22 00:35	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 00:35	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 00:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 00:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:35	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 00:35	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 00:35	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 00:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 00:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		05/19/22 09:47	05/23/22 10:22	1
1-Methylnaphthalene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
2-Methylnaphthalene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Acenaphthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Acenaphthylene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Anthracene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[a]anthracene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[a]pyrene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[b]fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[g,h,i]perylene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Benzo[k]fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Bis(2-chloroethyl)ether	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Bis(2-ethylhexyl) phthalate	**1.7**		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Butylbenzylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Chrysene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dibenz(a,h)anthracene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dibenzofuran	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Diethylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Dimethylphthalate	ND		1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Di-n-butyl phthalate	**0.056**	**J**	1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Di-n-octyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/23/22 10:22	1
Fluoranthene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Fluorene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1
Hexachlorobenzene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Date Collected: 05/12/22 09:27 — **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Naphthalene	ND		0.073	0.031	ug/L		05/19/22 09:47	05/23/22 10:22	1
N-Nitrosodimethylamine	ND		0.052	0.021	ug/L		05/19/22 09:47	05/23/22 10:22	1
Phenanthrene	ND		0.073	0.031	ug/L		05/19/22 09:47	05/23/22 10:22	1
Pyrene	ND		0.052	0.010	ug/L		05/19/22 09:47	05/23/22 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*69*		*36 - 111*	*05/19/22 09:47*	*05/23/22 10:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*72*		*10 - 110*	*05/19/22 09:47*	*05/23/22 10:22*	*1*
Fluoranthene-d10 (Surr)	*69*		*47 - 128*	*05/19/22 09:47*	*05/23/22 10:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:51	1
2,4-Dinitrophenol	ND		30	20	ug/L		05/19/22 09:46	05/20/22 01:51	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:51	1
Carbazole	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:51	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
2-Fluorobiphenyl (Surr)	*76*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
Phenol-d5 (Surr)	*28*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*
p-Terphenyl-d14 (Surr)	*94*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:51*	*1*

Client Sample ID: FBS010_052022 — Lab Sample ID: 410-84076-4

Date Collected: 05/12/22 09:42 — **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 04:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 04:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 04:35	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 04:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 04:35	1

Client Sample ID: FBS010_052022 Lab Sample ID: 410-84076-4

Date Collected: 05/12/22 09:42 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			05/24/22 04:35	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 04:35	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 04:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 04:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 04:35	1
Freon 113	ND		10	0.30	ug/L			05/24/22 04:35	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 04:35	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 04:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 04:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:35	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 04:35	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 04:35	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 04:35*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 04:35*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/24/22 04:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/22 04:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.30	0.10	ug/L		05/19/22 09:47	05/21/22 04:26	1
1-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
2-Methylnaphthalene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Acenaphthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Acenaphthylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[a]anthracene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[a]pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[b]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1

Client Sample ID: FBS010_052022 — Lab Sample ID: 410-84076-4

Date Collected: 05/12/22 09:42 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Benzo[k]fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Bis(2-chloroethyl)ether	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Butylbenzylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Chrysene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dibenz(a,h)anthracene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dibenzofuran	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Diethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Dimethylphthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Di-n-butyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Di-n-octyl phthalate	ND	cn	1.0	0.051	ug/L		05/19/22 09:47	05/21/22 04:26	1
Fluoranthene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Fluorene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1
Hexachlorobenzene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Naphthalene	ND	cn	0.071	0.030	ug/L		05/19/22 09:47	05/21/22 04:26	1
N-Nitrosodimethylamine	ND	cn	0.051	0.020	ug/L		05/19/22 09:47	05/21/22 04:26	1
Phenanthrene	ND	cn	0.071	0.030	ug/L		05/19/22 09:47	05/21/22 04:26	1
Pyrene	ND	cn	0.051	0.010	ug/L		05/19/22 09:47	05/21/22 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*65*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 04:26*	*1*
Benzo(a)pyrene-d12 (Surr)	*63*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 04:26*	*1*
Fluoranthene-d10 (Surr)	*70*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 04:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:09	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 01:09	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:09	1
Carbazole	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:09	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
2-Fluorobiphenyl (Surr)	*75*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
Phenol-d5 (Surr)	*30*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*
p-Terphenyl-d14 (Surr)	*83*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:09*	*1*

Client Sample ID: FBS010_DUP-1_052022 — Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 04:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 04:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 04:57	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 04:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 04:57	1
Acetone	ND		20	0.70	ug/L			05/24/22 04:57	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 04:57	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 04:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 04:57	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 04:57	1
Freon 113	ND		10	0.30	ug/L			05/24/22 04:57	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 04:57	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 04:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 04:57	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 04:57	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 04:57	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 04:57	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 04:57*	*1*

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 04:57*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/24/22 04:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 04:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	cn	0.31	0.10	ug/L		05/19/22 09:47	05/21/22 04:48	1
1-Methylnaphthalene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
2-Methylnaphthalene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Acenaphthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Acenaphthylene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Anthracene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[a]anthracene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[a]pyrene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[b]fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[g,h,i]perylene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Benzo[k]fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Bis(2-chloroethyl)ether	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Butylbenzylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Chrysene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dibenz(a,h)anthracene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dibenzofuran	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Diethylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Dimethylphthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Di-n-butyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Di-n-octyl phthalate	ND	cn	1.0	0.052	ug/L		05/19/22 09:47	05/21/22 04:48	1
Fluoranthene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Fluorene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1
Hexachlorobenzene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Naphthalene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 04:48	1
N-Nitrosodimethylamine	ND	cn	0.052	0.021	ug/L		05/19/22 09:47	05/21/22 04:48	1
Phenanthrene	ND	cn	0.072	0.031	ug/L		05/19/22 09:47	05/21/22 04:48	1
Pyrene	ND	cn	0.052	0.010	ug/L		05/19/22 09:47	05/21/22 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*62*	*cn*	*36 - 111*	*05/19/22 09:47*	*05/21/22 04:48*	*1*
Benzo(a)pyrene-d12 (Surr)	*64*	*cn*	*10 - 110*	*05/19/22 09:47*	*05/21/22 04:48*	*1*
Fluoranthene-d10 (Surr)	*68*	*cn*	*47 - 128*	*05/19/22 09:47*	*05/21/22 04:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/20/22 01:30	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/20/22 01:30	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:30	1
Carbazole	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:30	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/20/22 01:30	1

Client Sample ID: FBS010_DUP-1_052022 — Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00 — **Matrix: Water**
Date Received: 05/13/22 10:23

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
2-Fluorobiphenyl (Surr)	*77*		*44 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
2-Fluorophenol (Surr)	*44*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 125*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*
p-Terphenyl-d14 (Surr)	*97*		*37 - 120*	*05/19/22 09:46*	*05/20/22 01:30*	*1*

Client Sample ID: FBW001_TB_052022 — Lab Sample ID: 410-84076-7

Date Collected: 05/12/22 00:00 — **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 00:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 00:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 00:56	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 00:56	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 00:56	1
Acetone	ND		20	0.70	ug/L			05/24/22 00:56	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 00:56	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 00:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 00:56	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 00:56	1
Freon 113	ND		10	0.30	ug/L			05/24/22 00:56	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 00:56	1

Client Sample ID: FBW001_TB_052022 Lab Sample ID: 410-84076-7

Date Collected: 05/12/22 00:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 00:56	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 00:56	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 00:56	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 00:56	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 00:56	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/24/22 00:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/24/22 00:56*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/24/22 00:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/24/22 00:56*	*1*

Client Sample ID: FBS010_TB_052022 Lab Sample ID: 410-84076-8

Date Collected: 05/12/22 00:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/24/22 01:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/24/22 01:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
2-Butanone	ND		10	0.50	ug/L			05/24/22 01:18	1
2-Hexanone	ND		10	0.40	ug/L			05/24/22 01:18	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/24/22 01:18	1
Acetone	ND		20	0.70	ug/L			05/24/22 01:18	1
Benzene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Bromoform	ND		4.0	1.0	ug/L			05/24/22 01:18	1
Bromomethane	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/24/22 01:18	1

Client Sample ID: FBS010_TB_052022 Lab Sample ID: 410-84076-8

Date Collected: 05/12/22 00:00 **Matrix: Water**
Date Received: 05/13/22 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chloroethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Chloroform	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Chloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Cyclohexane	ND		5.0	1.0	ug/L			05/24/22 01:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Dichlorodifluoromethane	ND	*+ cn	1.0	0.20	ug/L			05/24/22 01:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/24/22 01:18	1
Freon 113	ND		10	0.30	ug/L			05/24/22 01:18	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/24/22 01:18	1
Methyl acetate	ND		5.0	0.30	ug/L			05/24/22 01:18	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/24/22 01:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Styrene	ND		5.0	0.30	ug/L			05/24/22 01:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Toluene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Trichloroethene	ND		1.0	0.30	ug/L			05/24/22 01:18	1
Trichlorofluoromethane	ND	cn	1.0	0.20	ug/L			05/24/22 01:18	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/24/22 01:18	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/24/22 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/24/22 01:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/24/22 01:18*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/24/22 01:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/22 01:18*	*1*

Action Limit Summary

Client: Environmental Works, Inc. Job ID: 410-84076-1
Project/Site: Springfield, MO – OFIWP

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND	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
Indeno[1,2,3-cd]pyrene	ND	cn	ug/L	0.1	0.051	8270D SIM	Total/NA
Naphthalene	ND	cn	ug/L	20	0.072	8270D SIM	Total/NA
Pyrene	ND	cn	ug/L	960	0.051	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Compliance Check

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

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

Client Sample ID: FBW001_FB_052022 (Continued) Lab Sample ID: 410-84076-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Pyrene	ND		ug/L	960	0.052	8270D SIM	Total/NA
2,4-Dimethylphenol	ND		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBS010_052022 Lab Sample ID: 410-84076-4

Compliance Check

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

Analyte	Result	Qualifier	Unit	Action Limit	RL	Method	Prep Type
Benzene	ND		ug/L	5	1.0	8260C	Total/NA
Ethylbenzene	ND		ug/L	700	1.0	8260C	Total/NA
Toluene	ND		ug/L	1000	1.0	8260C	Total/NA
Xylenes, Total	ND		ug/L	10000	1.0	8260C	Total/NA
2-Methylnaphthalene	ND	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
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		ug/L	540	10	8270D	Total/NA
2,4-Dinitrophenol	ND		ug/L	70	30	8270D	Total/NA
2-Chlorophenol	ND		ug/L	0.5	2	8270D	Total/NA
Phenol	ND		ug/L	300	2	8270D	Total/NA

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Compliance Check

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

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

Client Sample ID: FBS010_DUP-1_052022 (Continued) Lab Sample ID: 410-84076-5

Compliance Check

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

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

Client Sample ID: FBW001_TB_052022 Lab Sample ID: 410-84076-7

Compliance Check

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

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

Client Sample ID: FBS010_TB_052022 Lab Sample ID: 410-84076-8

Compliance Check

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

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

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	0.30	ug/L
1,4-Dichlorobenzene	5.0	0.30	ug/L
2-Butanone	10	0.50	ug/L
2-Hexanone	10	0.40	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	1.0	0.20	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	1.0	0.30	ug/L
trans-1,3-Dichloropropene	1.0	0.20	ug/L
Trichloroethene	1.0	0.30	ug/L
Trichlorofluoromethane	1.0	0.20	ug/L
Vinyl chloride	1.0	0.20	ug/L
Xylenes, Total	1.0	0.40	ug/L

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

Prep: 3510C

Default Detection Limits

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

Job ID: 410-84076-1

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

Prep: 3510C

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

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

Prep: 3510C

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

Surrogate Summary

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

Job ID: 410-84076-1

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)
410-84076-1	FBW001_052022	100	95	99	99
410-84076-1 MS	FBW001_MS_052022	101	98	100	100
410-84076-1 MSD	FBW001_MSD_052022	103	96	101	99
410-84076-3	FBW001_FB_052022	99	95	99	99
410-84076-4	FBS010_052022	100	94	101	98
410-84076-5	FBS010_DUP-1_052022	100	94	101	99
410-84076-7	FBW001_TB_052022	101	94	99	101
410-84076-8	FBS010_TB_052022	100	95	100	99
LCS 410-258274/4	Lab Control Sample	102	98	101	101
LCSD 410-258274/5	Lab Control Sample Dup	100	97	100	101
MB 410-258274/7	Method Blank	99	96	100	99

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-150)	(44-120)	(10-120)	(25-125)	(10-120)	(37-120)
410-84076-1	FBW001_052022	81	75	43	72	28	99
410-84076-1 MS	FBW001_MS_052022	85	76	54	71	39	93
410-84076-1 MSD	FBW001_MSD_052022	98	92	63	89	45	100
410-84076-3	FBW001_FB_052022	74	76	43	73	28	94
410-84076-4	FBS010_052022	80	75	45	74	30	83
410-84076-5	FBS010_DUP-1_052022	80	77	44	76	29	97
LCS 410-256916/2-A	Lab Control Sample	97	86	57	83	41	101
LCSD 410-256916/3-A	Lab Control Sample Dup	94	83	60	84	44	102
MB 410-256916/1-A	Method Blank	92	83	45	79	31	105

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		MNPd10	BAPd12	FLN10
Lab Sample ID	Client Sample ID	(36-111)	(10-110)	(47-128)
410-84076-1	FBW001_052022	58 cn	62 cn	68 cn
410-84076-1 MS	FBW001_MS_052022	67	78	78
410-84076-1 MSD	FBW001_MSD_052022	66	73	73

Surrogate Summary

Client: Environmental Works, Inc. Job ID: 410-84076-1
Project/Site: Springfield, MO – OFIWP

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	MNPd10 (36-111)	BAPd12 (10-110)	FLN10 (47-128)
410-84076-3	FBW001_FB_052022	69	72	69
410-84076-4	FBS010_052022	65 cn	63 cn	70 cn
410-84076-5	FBS010_DUP-1_052022	62 cn	64 cn	68 cn
LCS 410-256915/2-A	Lab Control Sample	62	81	73
LCSD 410-256915/3-A	Lab Control Sample Dup	62	76	71
MB 410-256915/1-A	Method Blank	69	73	72

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 410-258274/7
Matrix: Water
Analysis Batch: 258274

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			05/23/22 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/23/22 22:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/23/22 22:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
2-Butanone	ND		10	0.50	ug/L			05/23/22 22:45	1
2-Hexanone	ND		10	0.40	ug/L			05/23/22 22:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/23/22 22:45	1
Acetone	ND		20	0.70	ug/L			05/23/22 22:45	1
Benzene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Bromoform	ND		4.0	1.0	ug/L			05/23/22 22:45	1
Bromomethane	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chloroethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Chloroform	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Chloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Cyclohexane	ND		5.0	1.0	ug/L			05/23/22 22:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/23/22 22:45	1
Freon 113	ND		10	0.30	ug/L			05/23/22 22:45	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/23/22 22:45	1
Methyl acetate	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/23/22 22:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Styrene	ND		5.0	0.30	ug/L			05/23/22 22:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Toluene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/23/22 22:45	1
Trichloroethene	ND		1.0	0.30	ug/L			05/23/22 22:45	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/23/22 22:45	1

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

Lab Sample ID: MB 410-258274/7
Matrix: Water
Analysis Batch: 258274

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			05/23/22 22:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/23/22 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/23/22 22:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/23/22 22:45*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/23/22 22:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/23/22 22:45*	*1*

Lab Sample ID: LCS 410-258274/4
Matrix: Water
Analysis Batch: 258274

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.2		ug/L		106	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120
1,1-Dichloroethane	20.0	19.9		ug/L		100	80 - 120
1,1-Dichloroethene	20.0	21.4		ug/L		107	80 - 131
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	63 - 120
1,2,4-Trimethylbenzene	20.0	20.6		ug/L		103	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		86	47 - 131
1,2-Dibromoethane	20.0	20.6		ug/L		103	77 - 120
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	19.4		ug/L		97	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	20.0	20.8		ug/L		104	75 - 120
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
2-Butanone	250	237		ug/L		95	59 - 135
2-Hexanone	250	252		ug/L		101	56 - 135
4-Methyl-2-pentanone	250	253		ug/L		101	62 - 133
Acetone	250	287		ug/L		115	54 - 157
Benzene	20.0	20.9		ug/L		104	80 - 120
Bromodichloromethane	20.0	21.0		ug/L		105	71 - 120
Bromoform	20.0	19.4		ug/L		97	51 - 120
Bromomethane	20.0	23.3		ug/L		116	53 - 128
Carbon disulfide	20.0	21.8		ug/L		109	65 - 128
Carbon tetrachloride	20.0	21.8		ug/L		109	64 - 134
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Chloroethane	20.0	23.1		ug/L		115	55 - 123
Chloroform	20.0	20.9		ug/L		105	80 - 120
Chloromethane	20.0	21.8		ug/L		109	56 - 121
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 125
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	75 - 120
Cyclohexane	20.0	22.8		ug/L		114	68 - 126
Dibromochloromethane	20.0	20.7		ug/L		104	71 - 120
Dichlorodifluoromethane	20.0	27.1	*+	ug/L		135	41 - 127

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

Lab Sample ID: LCS 410-258274/4
Matrix: Water
Analysis Batch: 258274

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	20.7		ug/L		103	80 - 120
Freon 113	20.0	24.9		ug/L		125	73 - 139
Isopropylbenzene	20.0	21.4		ug/L		107	80 - 120
Methyl acetate	20.0	20.4		ug/L		102	54 - 136
Methyl tertiary butyl ether	20.0	20.6		ug/L		103	69 - 122
Methylcyclohexane	20.0	23.7		ug/L		119	67 - 121
Methylene Chloride	20.0	21.1		ug/L		105	80 - 120
Styrene	20.0	20.4		ug/L		102	80 - 120
Tetrachloroethene	20.0	21.4		ug/L		107	80 - 120
Toluene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	19.9		ug/L		99	80 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		102	67 - 120
Trichloroethene	20.0	21.1		ug/L		106	80 - 120
Trichlorofluoromethane	20.0	24.5		ug/L		123	55 - 135
Vinyl chloride	20.0	21.9		ug/L		110	56 - 120
Xylenes, Total	60.0	63.3		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-258274/5
Matrix: Water
Analysis Batch: 258274

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.9		ug/L		105	67 - 126	1	30
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 120	1	30
1,1,2-Trichloroethane	20.0	20.7		ug/L		103	80 - 120	0	30
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 120	4	30
1,1-Dichloroethene	20.0	20.7		ug/L		104	80 - 131	3	30
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 120	4	30
1,2,4-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		82	47 - 131	4	30
1,2-Dibromoethane	20.0	20.7		ug/L		104	77 - 120	0	30
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	2	30
1,2-Dichloroethane	20.0	20.0		ug/L		100	73 - 124	3	30
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120	5	30
1,3,5-Trimethylbenzene	20.0	20.5		ug/L		103	75 - 120	1	30
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	2	30
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	3	30
2-Butanone	250	232		ug/L		93	59 - 135	2	30
2-Hexanone	250	246		ug/L		99	56 - 135	2	30
4-Methyl-2-pentanone	250	245		ug/L		98	62 - 133	3	30
Acetone	250	273		ug/L		109	54 - 157	5	30
Benzene	20.0	20.4		ug/L		102	80 - 120	2	30

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

Lab Sample ID: LCSD 410-258274/5
Matrix: Water
Analysis Batch: 258274

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	20.3		ug/L		102	71 - 120	3	30
Bromoform			20.0	18.9		ug/L		95	51 - 120	3	30
Bromomethane			20.0	23.0		ug/L		115	53 - 128	1	30
Carbon disulfide			20.0	21.2		ug/L		106	65 - 128	3	30
Carbon tetrachloride			20.0	21.2		ug/L		106	64 - 134	3	30
Chlorobenzene			20.0	20.7		ug/L		104	80 - 120	0	30
Chloroethane			20.0	22.6		ug/L		113	55 - 123	2	30
Chloroform			20.0	20.3		ug/L		102	80 - 120	3	30
Chloromethane			20.0	20.7		ug/L		103	56 - 121	5	30
cis-1,2-Dichloroethene			20.0	21.0		ug/L		105	80 - 125	2	30
cis-1,3-Dichloropropene			20.0	19.3		ug/L		97	75 - 120	3	30
Cyclohexane			20.0	22.3		ug/L		111	68 - 126	2	30
Dibromochloromethane			20.0	20.2		ug/L		101	71 - 120	3	30
Dichlorodifluoromethane			20.0	26.5	*+	ug/L		133	41 - 127	2	30
Ethylbenzene			20.0	20.6		ug/L		103	80 - 120	0	30
Freon 113			20.0	23.3		ug/L		116	73 - 139	7	30
Isopropylbenzene			20.0	21.2		ug/L		106	80 - 120	1	30
Methyl acetate			20.0	20.3		ug/L		101	54 - 136	1	30
Methyl tertiary butyl ether			20.0	20.0		ug/L		100	69 - 122	3	30
Methylcyclohexane			20.0	23.4		ug/L		117	67 - 121	1	30
Methylene Chloride			20.0	20.5		ug/L		102	80 - 120	3	30
Styrene			20.0	20.4		ug/L		102	80 - 120	0	30
Tetrachloroethene			20.0	21.4		ug/L		107	80 - 120	0	30
Toluene			20.0	21.0		ug/L		105	80 - 120	0	30
trans-1,2-Dichloroethene			20.0	19.8		ug/L		99	80 - 126	0	30
trans-1,3-Dichloropropene			20.0	19.9		ug/L		100	67 - 120	2	30
Trichloroethene			20.0	20.3		ug/L		101	80 - 120	4	30
Trichlorofluoromethane			20.0	24.4		ug/L		122	55 - 135	1	30
Vinyl chloride			20.0	21.5		ug/L		107	56 - 120	2	30
Xylenes, Total			60.0	62.5		ug/L		104	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
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	23.5		ug/L		117	67 - 126		
1,1,2,2-Tetrachloroethane	ND		20.0	19.9		ug/L		99	72 - 120		
1,1,2-Trichloroethane	ND		20.0	20.9		ug/L		105	80 - 120		
1,1-Dichloroethane	ND		20.0	21.2		ug/L		106	80 - 120		
1,1-Dichloroethene	ND		20.0	23.6		ug/L		118	80 - 131		
1,2,4-Trichlorobenzene	ND		20.0	19.6		ug/L		98	63 - 120		

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

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	ND		20.0	22.0		ug/L		110	75 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.5		ug/L		83	47 - 131
1,2-Dibromoethane	ND		20.0	21.2		ug/L		106	77 - 120
1,2-Dichlorobenzene	ND		20.0	21.3		ug/L		107	80 - 120
1,2-Dichloroethane	ND		20.0	20.7		ug/L		103	73 - 124
1,2-Dichloropropane	ND		20.0	21.5		ug/L		108	80 - 120
1,3,5-Trimethylbenzene	ND		20.0	22.5		ug/L		112	75 - 120
1,3-Dichlorobenzene	ND		20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.9		ug/L		109	80 - 120
2-Butanone	ND		250	232		ug/L		93	59 - 135
2-Hexanone	ND		250	248		ug/L		99	56 - 135
4-Methyl-2-pentanone	ND		250	250		ug/L		100	62 - 133
Acetone	ND		250	293		ug/L		117	54 - 157
Benzene	ND		20.0	22.6		ug/L		113	80 - 120
Bromodichloromethane	ND		20.0	21.6		ug/L		108	71 - 120
Bromoform	ND		20.0	19.6		ug/L		98	51 - 120
Bromomethane	ND	F1	20.0	25.8	F1	ug/L		129	53 - 128
Carbon disulfide	ND		20.0	24.1		ug/L		120	65 - 128
Carbon tetrachloride	ND		20.0	24.9		ug/L		125	64 - 134
Chlorobenzene	ND		20.0	22.6		ug/L		113	80 - 120
Chloroethane	ND	F1	20.0	26.6	F1	ug/L		133	55 - 123
Chloroform	ND		20.0	22.4		ug/L		112	80 - 120
Chloromethane	ND	F1	20.0	24.1		ug/L		120	56 - 121
cis-1,2-Dichloroethene	ND		20.0	23.1		ug/L		116	80 - 125
cis-1,3-Dichloropropene	ND		20.0	20.2		ug/L		101	75 - 120
Cyclohexane	ND	F1	20.0	27.1	F1	ug/L		135	68 - 126
Dibromochloromethane	ND		20.0	21.0		ug/L		105	71 - 120
Dichlorodifluoromethane	ND	*+ F1 cn	20.0	32.1	F1	ug/L		160	41 - 127
Ethylbenzene	ND		20.0	23.0		ug/L		115	80 - 120
Freon 113	ND	F1	20.0	29.2	F1	ug/L		146	73 - 139
Isopropylbenzene	ND		20.0	23.9		ug/L		119	80 - 120
Methyl acetate	ND		20.0	18.5		ug/L		93	54 - 136
Methyl tertiary butyl ether	ND		20.0	20.3		ug/L		101	69 - 122
Methylcyclohexane	ND	F1	20.0	28.9	F1	ug/L		145	67 - 121
Methylene Chloride	ND		20.0	22.2		ug/L		111	80 - 120
Styrene	ND		20.0	22.2		ug/L		111	80 - 120
Tetrachloroethene	ND	F1	20.0	24.5	F1	ug/L		123	80 - 120
Toluene	ND		20.0	23.0		ug/L		115	80 - 120
trans-1,2-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 126
trans-1,3-Dichloropropene	ND		20.0	20.5		ug/L		103	67 - 120
Trichloroethene	ND		20.0	23.1		ug/L		115	80 - 120
Trichlorofluoromethane	ND	F1 cn	20.0	30.3	F1	ug/L		152	55 - 135
Vinyl chloride	ND	F1	20.0	25.6	F1	ug/L		128	56 - 120
Xylenes, Total	ND		60.0	69.4		ug/L		116	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 258274

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	23.9		ug/L		120	67 - 126	2	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		98	72 - 120	2	30
1,1,2-Trichloroethane	ND		20.0	20.8		ug/L		104	80 - 120	0	30
1,1-Dichloroethane	ND		20.0	21.6		ug/L		108	80 - 120	2	30
1,1-Dichloroethene	ND		20.0	23.9		ug/L		119	80 - 131	1	30
1,2,4-Trichlorobenzene	ND		20.0	20.1		ug/L		100	63 - 120	3	30
1,2,4-Trimethylbenzene	ND		20.0	22.0		ug/L		110	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	ND		20.0	16.6		ug/L		83	47 - 131	1	30
1,2-Dibromoethane	ND		20.0	20.9		ug/L		105	77 - 120	1	30
1,2-Dichlorobenzene	ND		20.0	21.5		ug/L		107	80 - 120	1	30
1,2-Dichloroethane	ND		20.0	21.1		ug/L		106	73 - 124	2	30
1,2-Dichloropropane	ND		20.0	21.6		ug/L		108	80 - 120	0	30
1,3,5-Trimethylbenzene	ND		20.0	22.6		ug/L		113	75 - 120	0	30
1,3-Dichlorobenzene	ND		20.0	22.2		ug/L		111	80 - 120	2	30
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120	2	30
2-Butanone	ND		250	237		ug/L		95	59 - 135	2	30
2-Hexanone	ND		250	244		ug/L		98	56 - 135	2	30
4-Methyl-2-pentanone	ND		250	250		ug/L		100	62 - 133	0	30
Acetone	ND		250	298		ug/L		119	54 - 157	2	30
Benzene	ND		20.0	23.0		ug/L		115	80 - 120	2	30
Bromodichloromethane	ND		20.0	22.2		ug/L		111	71 - 120	3	30
Bromoform	ND		20.0	19.0		ug/L		95	51 - 120	3	30
Bromomethane	ND	F1	20.0	26.3	F1	ug/L		132	53 - 128	2	30
Carbon disulfide	ND		20.0	24.7		ug/L		123	65 - 128	3	30
Carbon tetrachloride	ND		20.0	25.5		ug/L		127	64 - 134	2	30
Chlorobenzene	ND		20.0	22.3		ug/L		111	80 - 120	2	30
Chloroethane	ND	F1	20.0	26.4	F1	ug/L		132	55 - 123	1	30
Chloroform	ND		20.0	22.8		ug/L		114	80 - 120	2	30
Chloromethane	ND	F1	20.0	24.7	F1	ug/L		124	56 - 121	3	30
cis-1,2-Dichloroethene	ND		20.0	23.5		ug/L		117	80 - 125	2	30
cis-1,3-Dichloropropene	ND		20.0	20.5		ug/L		102	75 - 120	1	30
Cyclohexane	ND	F1	20.0	27.8	F1	ug/L		139	68 - 126	3	30
Dibromochloromethane	ND		20.0	20.8		ug/L		104	71 - 120	1	30
Dichlorodifluoromethane	ND	*+ F1 cn	20.0	33.2	F1	ug/L		166	41 - 127	3	30
Ethylbenzene	ND		20.0	22.8		ug/L		114	80 - 120	1	30
Freon 113	ND	F1	20.0	29.6	F1	ug/L		148	73 - 139	2	30
Isopropylbenzene	ND		20.0	23.5		ug/L		118	80 - 120	2	30
Methyl acetate	ND		20.0	18.7		ug/L		94	54 - 136	1	30
Methyl tertiary butyl ether	ND		20.0	20.6		ug/L		103	69 - 122	2	30
Methylcyclohexane	ND	F1	20.0	29.3	F1	ug/L		146	67 - 121	1	30

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

Lab Sample ID: 410-84076-1 MSD **Client Sample ID: FBW001_MSD_052022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 258274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		20.0	22.1		ug/L		111	80 - 120	0	30
Styrene	ND		20.0	22.0		ug/L		110	80 - 120	1	30
Tetrachloroethene	ND	F1	20.0	24.1		ug/L		120	80 - 120	2	30
Toluene	ND		20.0	22.8		ug/L		114	80 - 120	1	30
trans-1,2-Dichloroethene	ND		20.0	22.3		ug/L		112	80 - 126	1	30
trans-1,3-Dichloropropene	ND		20.0	20.7		ug/L		103	67 - 120	1	30
Trichloroethene	ND		20.0	23.5		ug/L		117	80 - 120	2	30
Trichlorofluoromethane	ND	F1 cn	20.0	30.8	F1	ug/L		154	55 - 135	2	30
Vinyl chloride	ND	F1	20.0	25.8	F1	ug/L		129	56 - 120	1	30
Xylenes, Total	ND		60.0	68.8		ug/L		115	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 410-256916/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257173 **Prep Batch: 256916**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		10	3	ug/L		05/19/22 09:46	05/19/22 17:47	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/19/22 09:46	05/19/22 17:47	1
2-Chlorophenol	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1
Carbazole	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1
Phenol	ND		2	0.5	ug/L		05/19/22 09:46	05/19/22 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
Nitrobenzene-d5 (Surr)	*79*		*25 - 125*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*
p-Terphenyl-d14 (Surr)	*105*		*37 - 120*	*05/19/22 09:46*	*05/19/22 17:47*	*1*

Lab Sample ID: LCS 410-256916/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257173 **Prep Batch: 256916**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	50.0	49		ug/L		98	62 - 120
2,4-Dinitrophenol	100	100		ug/L		102	43 - 146
2-Chlorophenol	50.0	43		ug/L		85	57 - 120
Carbazole	50.0	50		ug/L		100	74 - 120
Phenol	50.0	25		ug/L		51	22 - 120

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

Lab Sample ID: LCS 410-256916/2-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256916

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	97		10 - 150
2-Fluorobiphenyl (Surr)	86		44 - 120
2-Fluorophenol (Surr)	57		10 - 120
Nitrobenzene-d5 (Surr)	83		25 - 125
Phenol-d5 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	101		37 - 120

Lab Sample ID: LCSD 410-256916/3-A
Matrix: Water
Analysis Batch: 257173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			50.0	51		ug/L		102	62 - 120	4	30
2,4-Dinitrophenol			100	110		ug/L		110	43 - 146	7	30
2-Chlorophenol			50.0	46		ug/L		92	57 - 120	7	30
Carbazole			50.0	51		ug/L		101	74 - 120	1	30
Phenol			50.0	26		ug/L		52	22 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	94		10 - 150
2-Fluorobiphenyl (Surr)	83		44 - 120
2-Fluorophenol (Surr)	60		10 - 120
Nitrobenzene-d5 (Surr)	84		25 - 125
Phenol-d5 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	102		37 - 120

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 257173

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA
Prep Batch: 256916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dimethylphenol	ND		51.8	46		ug/L		88	62 - 120		
2,4-Dinitrophenol	ND		104	89		ug/L		86	43 - 146		
2-Chlorophenol	ND		51.8	43		ug/L		82	57 - 120		
Carbazole	ND		51.8	46		ug/L		88	74 - 120		
Phenol	ND		51.8	24		ug/L		47	22 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	85		10 - 150
2-Fluorobiphenyl (Surr)	76		44 - 120
2-Fluorophenol (Surr)	54		10 - 120
Nitrobenzene-d5 (Surr)	71		25 - 125
Phenol-d5 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	93		37 - 120

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

Lab Sample ID: 410-84076-1 MSD **Client Sample ID: FBW001_MSD_052022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257173 **Prep Batch: 256916**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		50.7	54		ug/L		107	62 - 120	17	30
2,4-Dinitrophenol	ND		101	79		ug/L		78	43 - 146	12	30
2-Chlorophenol	ND		50.7	48		ug/L		95	57 - 120	13	30
Carbazole	ND		50.7	52		ug/L		102	74 - 120	13	30
Phenol	ND		50.7	28		ug/L		55	22 - 120	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 150*
2-Fluorobiphenyl (Surr)	*92*		*44 - 120*
2-Fluorophenol (Surr)	*63*		*10 - 120*
Nitrobenzene-d5 (Surr)	*89*		*25 - 125*
Phenol-d5 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*100*		*37 - 120*

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

Lab Sample ID: MB 410-256915/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257602 **Prep Batch: 256915**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		05/19/22 09:47	05/20/22 18:20	1
1-Methylnaphthalene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
2-Methylnaphthalene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Acenaphthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Acenaphthylene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Anthracene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[a]anthracene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[a]pyrene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[b]fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[g,h,i]perylene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Benzo[k]fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Bis(2-chloroethyl)ether	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Butylbenzylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Chrysene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dibenzofuran	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Diethylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Dimethylphthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Di-n-butyl phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Di-n-octyl phthalate	ND		1.0	0.050	ug/L		05/19/22 09:47	05/20/22 18:20	1
Fluoranthene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Fluorene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1
Hexachlorobenzene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1
Naphthalene	ND		0.070	0.030	ug/L		05/19/22 09:47	05/20/22 18:20	1
N-Nitrosodimethylamine	ND		0.050	0.020	ug/L		05/19/22 09:47	05/20/22 18:20	1

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

Lab Sample ID: MB 410-256915/1-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256915

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.070	0.030	ug/L		05/19/22 09:47	05/20/22 18:20	1
Pyrene	ND		0.050	0.010	ug/L		05/19/22 09:47	05/20/22 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene-d10 (Surr)	*69*		*36 - 111*	*05/19/22 09:47*	*05/20/22 18:20*	*1*
Benzo(a)pyrene-d12 (Surr)	*73*		*10 - 110*	*05/19/22 09:47*	*05/20/22 18:20*	*1*
Fluoranthene-d10 (Surr)	*72*		*47 - 128*	*05/19/22 09:47*	*05/20/22 18:20*	*1*

Lab Sample ID: LCS 410-256915/2-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.415		ug/L		42	23 - 120
1-Methylnaphthalene	1.00	0.607		ug/L		61	23 - 124
2-Methylnaphthalene	1.00	0.585		ug/L		58	20 - 133
Acenaphthene	1.00	0.697		ug/L		70	42 - 120
Acenaphthylene	1.00	0.672		ug/L		67	49 - 120
Anthracene	1.00	0.726		ug/L		73	54 - 121
Benzo[a]anthracene	1.00	0.777		ug/L		78	61 - 122
Benzo[a]pyrene	1.00	0.726		ug/L		73	60 - 120
Benzo[b]fluoranthene	1.00	0.872		ug/L		87	58 - 122
Benzo[g,h,i]perylene	1.00	0.702		ug/L		70	50 - 120
Benzo[k]fluoranthene	1.00	0.768		ug/L		77	57 - 128
Bis(2-chloroethyl)ether	1.00	0.703		ug/L		70	59 - 130
Bis(2-ethylhexyl) phthalate	1.00	0.950	J	ug/L		95	14 - 155
Butylbenzylphthalate	1.00	0.889	J	ug/L		89	10 - 120
Chrysene	1.00	0.699		ug/L		70	55 - 123
Dibenz(a,h)anthracene	1.00	0.713		ug/L		71	50 - 121
Dibenzofuran	1.00	0.735		ug/L		73	48 - 124
Diethylphthalate	1.00	0.948	J	ug/L		95	38 - 120
Dimethylphthalate	1.00	0.860	J	ug/L		86	10 - 121
Di-n-butyl phthalate	1.00	1.06		ug/L		106	46 - 125
Di-n-octyl phthalate	1.00	0.921	J	ug/L		92	22 - 130
Fluoranthene	1.00	0.763		ug/L		76	61 - 123
Fluorene	1.00	0.716		ug/L		72	55 - 120
Hexachlorobenzene	1.00	0.621		ug/L		62	20 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.790		ug/L		79	47 - 143
Naphthalene	1.00	0.572		ug/L		57	20 - 120
N-Nitrosodimethylamine	1.00	0.644		ug/L		64	37 - 120
Phenanthrene	1.00	0.713		ug/L		71	59 - 120
Pyrene	1.00	0.682		ug/L		68	46 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*81*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

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

Lab Sample ID: LCSD 410-256915/3-A
Matrix: Water
Analysis Batch: 257602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256915

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.00	0.509		ug/L		51	23 - 120	20	30
1-Methylnaphthalene			1.00	0.615		ug/L		61	23 - 124	1	30
2-Methylnaphthalene			1.00	0.570		ug/L		57	20 - 133	3	30
Acenaphthene			1.00	0.706		ug/L		71	42 - 120	1	30
Acenaphthylene			1.00	0.673		ug/L		67	49 - 120	0	30
Anthracene			1.00	0.715		ug/L		72	54 - 121	1	30
Benzo[a]anthracene			1.00	0.803		ug/L		80	61 - 122	3	30
Benzo[a]pyrene			1.00	0.736		ug/L		74	60 - 120	1	30
Benzo[b]fluoranthene			1.00	0.886		ug/L		89	58 - 122	2	30
Benzo[g,h,i]perylene			1.00	0.733		ug/L		73	50 - 120	4	30
Benzo[k]fluoranthene			1.00	0.775		ug/L		78	57 - 128	1	30
Bis(2-chloroethyl)ether			1.00	0.707		ug/L		71	59 - 130	1	30
Bis(2-ethylhexyl) phthalate			1.00	0.944	J	ug/L		94	14 - 155	1	30
Butylbenzylphthalate			1.00	0.779	J	ug/L		78	10 - 120	13	30
Chrysene			1.00	0.713		ug/L		71	55 - 123	2	30
Dibenz(a,h)anthracene			1.00	0.745		ug/L		75	50 - 121	4	30
Dibenzofuran			1.00	0.745		ug/L		74	48 - 124	1	30
Diethylphthalate			1.00	0.896	J	ug/L		90	38 - 120	6	30
Dimethylphthalate			1.00	0.729	J	ug/L		73	10 - 121	16	30
Di-n-butyl phthalate			1.00	1.02		ug/L		102	46 - 125	3	30
Di-n-octyl phthalate			1.00	0.937	J	ug/L		94	22 - 130	2	30
Fluoranthene			1.00	0.751		ug/L		75	61 - 123	2	30
Fluorene			1.00	0.720		ug/L		72	55 - 120	1	30
Hexachlorobenzene			1.00	0.606		ug/L		61	20 - 120	2	30
Indeno[1,2,3-cd]pyrene			1.00	0.804		ug/L		80	47 - 143	2	30
Naphthalene			1.00	0.586		ug/L		59	20 - 120	2	30
N-Nitrosodimethylamine			1.00	0.686		ug/L		69	37 - 120	6	30
Phenanthrene			1.00	0.707		ug/L		71	59 - 120	1	30
Pyrene			1.00	0.683		ug/L		68	46 - 122	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*62*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*76*		*10 - 110*
Fluoranthene-d10 (Surr)	*71*		*47 - 128*

Lab Sample ID: 410-84076-1 MS
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MS_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND	cn	1.01	0.550		ug/L		54	23 - 120
1-Methylnaphthalene	ND	cn	1.01	0.689		ug/L		68	23 - 124
2-Methylnaphthalene	ND	cn	1.01	0.645		ug/L		64	20 - 133
Acenaphthene	ND	cn	1.01	0.800		ug/L		79	42 - 120
Acenaphthylene	ND	cn	1.01	0.741		ug/L		73	49 - 120
Anthracene	ND	cn	1.01	0.820		ug/L		81	54 - 121
Benzo[a]anthracene	ND	cn	1.01	0.863		ug/L		85	61 - 122
Benzo[a]pyrene	ND	cn	1.01	0.769		ug/L		76	60 - 120

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

Lab Sample ID: 410-84076-1 MS **Client Sample ID: FBW001_MS_052022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257602 **Prep Batch: 256915**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND	cn	1.01	0.970		ug/L		96	58 - 122
Benzo[g,h,i]perylene	ND	cn	1.01	0.724		ug/L		72	50 - 120
Benzo[k]fluoranthene	ND	cn	1.01	0.825		ug/L		82	57 - 128
Bis(2-chloroethyl)ether	ND	cn	1.01	0.746		ug/L		74	59 - 130
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	1.04		ug/L		103	14 - 155
Butylbenzylphthalate	ND	cn	1.01	0.703	J	ug/L		70	10 - 120
Chrysene	ND	cn	1.01	0.799		ug/L		79	55 - 123
Dibenz(a,h)anthracene	ND	cn	1.01	0.717		ug/L		71	50 - 121
Dibenzofuran	ND	cn	1.01	0.798		ug/L		79	48 - 124
Diethylphthalate	ND	cn	1.01	0.917	J	ug/L		91	38 - 120
Dimethylphthalate	ND	cn	1.01	0.676	J	ug/L		67	10 - 121
Di-n-butyl phthalate	ND	cn	1.01	1.17		ug/L		115	46 - 125
Di-n-octyl phthalate	ND	cn	1.01	0.990	J	ug/L		98	22 - 130
Fluoranthene	ND	cn	1.01	0.858		ug/L		85	61 - 123
Fluorene	ND	cn	1.01	0.795		ug/L		79	55 - 120
Hexachlorobenzene	ND	cn	1.01	0.760		ug/L		75	20 - 120
Indeno[1,2,3-cd]pyrene	ND	cn	1.01	0.770		ug/L		76	47 - 143
Naphthalene	ND	cn	1.01	0.597		ug/L		59	20 - 120
N-Nitrosodimethylamine	ND	cn	1.01	0.748		ug/L		74	37 - 120
Phenanthrene	ND	cn	1.01	0.816		ug/L		81	59 - 120
Pyrene	ND	cn	1.01	0.764		ug/L		76	46 - 122

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

Lab Sample ID: 410-84076-1 MSD **Client Sample ID: FBW001_MSD_052022**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 257602 **Prep Batch: 256915**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND	cn	1.01	0.515		ug/L		51	23 - 120	7	30
1-Methylnaphthalene	ND	cn	1.01	0.668		ug/L		66	23 - 124	3	30
2-Methylnaphthalene	ND	cn	1.01	0.629		ug/L		62	20 - 133	3	30
Acenaphthene	ND	cn	1.01	0.693		ug/L		68	42 - 120	14	30
Acenaphthylene	ND	cn	1.01	0.705		ug/L		70	49 - 120	5	30
Anthracene	ND	cn	1.01	0.738		ug/L		73	54 - 121	10	30
Benzo[a]anthracene	ND	cn	1.01	0.781		ug/L		77	61 - 122	10	30
Benzo[a]pyrene	ND	cn	1.01	0.722		ug/L		71	60 - 120	6	30
Benzo[b]fluoranthene	ND	cn	1.01	0.870		ug/L		86	58 - 122	11	30
Benzo[g,h,i]perylene	ND	cn	1.01	0.686		ug/L		68	50 - 120	5	30
Benzo[k]fluoranthene	ND	cn	1.01	0.756		ug/L		75	57 - 128	9	30
Bis(2-chloroethyl)ether	ND	cn	1.01	0.701		ug/L		69	59 - 130	6	30
Bis(2-ethylhexyl) phthalate	ND	cn	1.01	0.924	J	ug/L		91	14 - 155	12	30
Butylbenzylphthalate	ND	cn	1.01	0.663	J	ug/L		65	10 - 120	6	30
Chrysene	ND	cn	1.01	0.733		ug/L		72	55 - 123	9	30
Dibenz(a,h)anthracene	ND	cn	1.01	0.668		ug/L		66	50 - 121	7	30

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

Lab Sample ID: 410-84076-1 MSD
Matrix: Water
Analysis Batch: 257602

Client Sample ID: FBW001_MSD_052022
Prep Type: Total/NA
Prep Batch: 256915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran	ND	cn	1.01	0.777		ug/L		77	48 - 124	3	30
Diethylphthalate	ND	cn	1.01	0.883	J	ug/L		87	38 - 120	4	30
Dimethylphthalate	ND	cn	1.01	0.660	J	ug/L		65	10 - 121	2	30
Di-n-butyl phthalate	ND	cn	1.01	1.05		ug/L		104	46 - 125	10	30
Di-n-octyl phthalate	ND	cn	1.01	0.902	J	ug/L		89	22 - 130	9	30
Fluoranthene	ND	cn	1.01	0.771		ug/L		76	61 - 123	11	30
Fluorene	ND	cn	1.01	0.757		ug/L		75	55 - 120	5	30
Hexachlorobenzene	ND	cn	1.01	0.722		ug/L		71	20 - 120	5	30
Indeno[1,2,3-cd]pyrene	ND	cn	1.01	0.719		ug/L		71	47 - 143	7	30
Naphthalene	ND	cn	1.01	0.581		ug/L		57	20 - 120	3	30
N-Nitrosodimethylamine	ND	cn	1.01	0.691		ug/L		68	37 - 120	8	30
Phenanthrene	ND	cn	1.01	0.745		ug/L		74	59 - 120	9	30
Pyrene	ND	cn	1.01	0.703		ug/L		69	46 - 122	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Methylnaphthalene-d10 (Surr)	*66*		*36 - 111*
Benzo(a)pyrene-d12 (Surr)	*73*		*10 - 110*
Fluoranthene-d10 (Surr)	*73*		*47 - 128*

GC/MS VOA

Analysis Batch: 258274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8260C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	8260C	
410-84076-4	FBS010_052022	Total/NA	Water	8260C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8260C	
410-84076-7	FBW001_TB_052022	Total/NA	Water	8260C	
410-84076-8	FBS010_TB_052022	Total/NA	Water	8260C	
MB 410-258274/7	Method Blank	Total/NA	Water	8260C	
LCS 410-258274/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-258274/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8260C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 256915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	3510C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	3510C	
410-84076-4	FBS010_052022	Total/NA	Water	3510C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	3510C	
MB 410-256915/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-256915/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-256915/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	3510C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	3510C	

Prep Batch: 256916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	3510C	
410-84076-3	FBW001_FB_052022	Total/NA	Water	3510C	
410-84076-4	FBS010_052022	Total/NA	Water	3510C	
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	3510C	
MB 410-256916/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-256916/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-256916/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	3510C	
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	3510C	

Analysis Batch: 257173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8270D	256916
410-84076-3	FBW001_FB_052022	Total/NA	Water	8270D	256916
410-84076-4	FBS010_052022	Total/NA	Water	8270D	256916
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8270D	256916
MB 410-256916/1-A	Method Blank	Total/NA	Water	8270D	256916
LCS 410-256916/2-A	Lab Control Sample	Total/NA	Water	8270D	256916
LCSD 410-256916/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	256916
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8270D	256916
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8270D	256916

QC Association Summary

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

Job ID: 410-84076-1

GC/MS Semi VOA

Analysis Batch: 257602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-1	FBW001_052022	Total/NA	Water	8270D SIM	256915
410-84076-4	FBS010_052022	Total/NA	Water	8270D SIM	256915
410-84076-5	FBS010_DUP-1_052022	Total/NA	Water	8270D SIM	256915
MB 410-256915/1-A	Method Blank	Total/NA	Water	8270D SIM	256915
LCS 410-256915/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	256915
LCSD 410-256915/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	256915
410-84076-1 MS	FBW001_MS_052022	Total/NA	Water	8270D SIM	256915
410-84076-1 MSD	FBW001_MSD_052022	Total/NA	Water	8270D SIM	256915

Analysis Batch: 257935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-84076-3	FBW001_FB_052022	Total/NA	Water	8270D SIM	256915

Client Sample ID: FBW001_052022 — Lab Sample ID: 410-84076-1

Date Collected: 05/12/22 09:22 **Matrix: Water**
Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 01:40	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 00:06	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 03:21	UJM0	ELLE

Client Sample ID: FBW001_FB_052022 — Lab Sample ID: 410-84076-3

Date Collected: 05/12/22 09:27 **Matrix: Water**
Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 00:35	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:51	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257935	05/23/22 10:22	UJM0	ELLE

Client Sample ID: FBS010_052022 — Lab Sample ID: 410-84076-4

Date Collected: 05/12/22 09:42 **Matrix: Water**
Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 04:35	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:09	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 04:26	UJM0	ELLE

Client Sample ID: FBS010_DUP-1_052022 — Lab Sample ID: 410-84076-5

Date Collected: 05/12/22 13:00 **Matrix: Water**
Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 04:57	K4WN	ELLE
Total/NA	Prep	3510C			256916	05/19/22 09:46	YDF5	ELLE
Total/NA	Analysis	8270D		1	257173	05/20/22 01:30	DZ6A	ELLE
Total/NA	Prep	3510C			256915	05/19/22 09:47	YDF5	ELLE
Total/NA	Analysis	8270D SIM		1	257602	05/21/22 04:48	UJM0	ELLE

Client Sample ID: FBW001_TB_052022 — Lab Sample ID: 410-84076-7

Date Collected: 05/12/22 00:00 **Matrix: Water**
Date Received: 05/13/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 00:56	K4WN	ELLE

Lab Chronicle

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

Job ID: 410-84076-1

Client Sample ID: FBS010_TB_052022

Date Collected: 05/12/22 00:00
Date Received: 05/13/22 10:23

Lab Sample ID: 410-84076-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	258274	05/24/22 01:18	K4WN	ELLE

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: 410-84076-1
Project/Site: Springfield, MO – OFIWP

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

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

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

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

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

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

Authority	Program	Identification Number	Expiration Date

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

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

Method Summary

Client: Environmental Works, Inc. Job ID: 410-84076-1
Project/Site: Springfield, MO – OFIWP

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 410-84076-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-84076-1	FBW001_052022	Water	05/12/22 09:22	05/13/22 10:23
410-84076-3	FBW001_FB_052022	Water	05/12/22 09:27	05/13/22 10:23
410-84076-4	FBS010_052022	Water	05/12/22 09:42	05/13/22 10:23
410-84076-5	FBS010_DUP-1_052022	Water	05/12/22 13:00	05/13/22 10:23
410-84076-7	FBW001_TB_052022	Water	05/12/22 00:00	05/13/22 10:23
410-84076-8	FBS010_TB_052022	Water	05/12/22 00:00	05/13/22 10:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: ICIS 410-256013/15 Client Sample ID:

Date Analyzed: 05/17/22 13:25 Lab File ID: LY17X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.07	Incomplete Integration	campbellme	05/17/22 15:59
1,3-Butadiene	2.40	Incomplete Integration	campbellme	05/17/22 16:00
Bromomethane	2.75	Incomplete Integration	campbellme	05/17/22 16:00
Chloroethane	2.83	Incomplete Integration	campbellme	05/17/22 16:00
Trichlorofluoromethane	3.09	Incomplete Integration	campbellme	05/17/22 16:00
n-Hexane	5.26	Incomplete Integration	campbellme	05/17/22 16:18
n-Heptane	7.92	Incomplete Integration	campbellme	05/17/22 16:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: IC 410-256013/16 Client Sample ID:

Date Analyzed: 05/17/22 13:47 Lab File ID: LY17X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.07	Incomplete Integration	campbellme	05/17/22 16:02
Vinyl chloride	2.39	Incomplete Integration	campbellme	05/17/22 16:02
1,3-Butadiene	2.40	Incomplete Integration	campbellme	05/17/22 16:02
Trichlorofluoromethane	3.16	Incomplete Integration	campbellme	05/17/22 16:03
Freon 113	3.77	Incomplete Integration	campbellme	05/17/22 16:03
n-Hexane	5.27	Incomplete Integration	campbellme	05/17/22 16:16
n-Heptane	7.91	Incomplete Integration	campbellme	05/17/22 16:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: IC 410-256013/17 Client Sample ID:

Date Analyzed: 05/17/22 14:09 Lab File ID: LY17X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.08	Incomplete Integration	campbellme	05/17/22 16:04
1,3-Butadiene	2.41	Incomplete Integration	campbellme	05/17/22 16:05
Bromomethane	2.75	Incomplete Integration	campbellme	05/17/22 16:05
Chloroethane	2.83	Incomplete Integration	campbellme	05/17/22 16:05
Trichlorofluoromethane	3.16	Incomplete Integration	campbellme	05/17/22 16:07
t-Butyl alcohol-d10 (IS)	4.44	Incomplete Integration	campbellme	05/17/22 16:07
n-Hexane	5.27	Incomplete Integration	campbellme	05/17/22 16:16
1,4-Dioxane	8.80	Incomplete Integration	campbellme	05/17/22 16:09

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: IC 410-256013/11 Client Sample ID:

Date Analyzed: 05/17/22 14:53 Lab File ID: LY17X19.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.29	Incomplete Integration	campbellme	05/17/22 15:49
1,3-Butadiene	2.41	Incomplete Integration	campbellme	05/17/22 15:49
n-Pentane	3.18	Incomplete Integration	campbellme	05/17/22 15:50
Ethyl ether	3.41	Incomplete Integration	campbellme	05/17/22 15:50
2-Propanol	3.92	Incomplete Integration	campbellme	05/17/22 15:50
Methyl iodide	3.93	Incomplete Integration	campbellme	05/17/22 15:50
Methyl acetate	4.20	Incomplete Integration	campbellme	05/17/22 15:50
t-Butyl alcohol-d10 (IS)	4.43	Incomplete Integration	campbellme	05/17/22 15:50
t-Butyl alcohol	4.56	Incomplete Integration	campbellme	05/17/22 15:50
Methyl tertiary butyl ether	4.83	Incomplete Integration	campbellme	05/17/22 15:50
Propionitrile	6.39	Incomplete Integration	campbellme	05/17/22 15:51
1,2-Dichloropropane	8.71	Incomplete Integration	campbellme	05/17/22 15:51
n-Butylbenzene	13.43	Incomplete Integration	campbellme	05/17/22 15:52
1,2-Diethylbenzene	13.49	Incomplete Integration	campbellme	05/17/22 15:52
1,3,5-Trichlorobenzene	14.13	Incomplete Integration	campbellme	05/17/22 15:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: IC 410-256013/12 Client Sample ID:

Date Analyzed: 05/17/22 15:15 Lab File ID: LY17X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.07	Incomplete Integration	campbellme	05/17/22 15:53
1,3-Butadiene	2.41	Incomplete Integration	campbellme	05/17/22 15:53
n-Pentane	3.19	Incomplete Integration	campbellme	05/17/22 15:53
Acetone	3.76	Incomplete Integration	campbellme	05/17/22 15:53
2-Propanol	3.93	Incomplete Integration	campbellme	05/17/22 15:53
Methyl acetate	4.19	Incomplete Integration	campbellme	05/17/22 15:54
t-Butyl alcohol-d10 (IS)	4.44	Incomplete Integration	campbellme	05/17/22 15:54
2-Chloro-1,3-butadiene	5.62	Incomplete Integration	campbellme	05/17/22 15:54
2-Butanone	6.30	Incomplete Integration	campbellme	05/17/22 15:54
n-Heptane	7.91	Incomplete Integration	campbellme	05/17/22 16:19
1,4-Dioxane	8.79	Incomplete Integration	campbellme	05/17/22 15:55
Methyl methacrylate	8.80	Incomplete Integration	campbellme	05/17/22 15:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: ICV 410-256013/19 Client Sample ID:

Date Analyzed: 05/17/22 15:37 Lab File ID: LY17X21.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.08	Incomplete Integration	campbellme	05/17/22 18:37
1,3-Butadiene	2.40	Incomplete Integration	campbellme	05/17/22 18:37
Bromomethane	2.74	Incomplete Integration	campbellme	05/17/22 18:37
Chloroethane	2.83	Incomplete Integration	campbellme	05/17/22 18:38
Trichlorofluoromethane	3.08	Incomplete Integration	campbellme	05/17/22 18:38
Ethyl ether	3.41	Incomplete Integration	campbellme	05/17/22 18:38
Acrolein	3.58	Incomplete Integration	campbellme	05/17/22 18:38
Methyl acetate	4.19	Incomplete Integration	campbellme	05/17/22 18:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 256013

Lab Sample ID: IC 410-256013/13 Client Sample ID:

Date Analyzed: 05/17/22 17:58 Lab File ID: LY17X23.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.07	Incomplete Integration	campbellme	05/17/22 18:32
1,3-Butadiene	2.39	Incomplete Integration	campbellme	05/17/22 18:32
Trichlorofluoromethane	3.09	Incomplete Integration	campbellme	05/17/22 18:32
Acrolein	3.57	Incomplete Integration	campbellme	05/17/22 18:33
Methyl methacrylate	8.79	Incomplete Integration	campbellme	05/17/22 18:33
1,4-Dioxane	8.80	Incomplete Integration	campbellme	05/17/22 18:33

Lab Sample ID: IC 410-256013/14 Client Sample ID:

Date Analyzed: 05/17/22 18:20 Lab File ID: LY17X24.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.07	Incomplete Integration	campbellme	05/17/22 18:45
Vinyl chloride	2.39	Incomplete Integration	campbellme	05/17/22 18:45
1,3-Butadiene	2.40	Incomplete Integration	campbellme	05/17/22 18:45
Bromomethane	2.75	Incomplete Integration	campbellme	05/17/22 18:45
Trichlorofluoromethane	3.09	Incomplete Integration	campbellme	05/17/22 18:46
1,1-Dichloroethane	5.50	Incomplete Integration	campbellme	05/17/22 18:46

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 258274

Lab Sample ID: CCVIS 410-258274/3 Client Sample ID:

Date Analyzed: 05/23/22 21:17 Lab File ID: LY23X32.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.06	Incomplete Integration	campbellme	05/23/22 21:42
Trichlorofluoromethane	3.09	Incomplete Integration	campbellme	05/23/22 21:42
Acetone	3.75	Incomplete Integration	campbellme	05/23/22 21:42
1,4-Dioxane	8.79	Incomplete Integration	campbellme	05/23/22 21:43

Lab Sample ID: LCSD 410-258274/5 Client Sample ID:

Date Analyzed: 05/23/22 22:01 Lab File ID: LY23X34.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.09	Split Peak	campbellme	05/23/22 22:33

Lab Sample ID: 410-84076-3 Client Sample ID: FBW001_FB_052022

Date Analyzed: 05/24/22 00:35 Lab File ID: LY23X41.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone		Invalid Compound ID	innoonk	05/24/22 13:03

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 250389

Lab Sample ID: ICIS 410-250389/2 Client Sample ID:

Date Analyzed: 05/01/22 17:10 Lab File ID: LE0151a.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.55	Baseline	bauera	05/02/22 11:24
Pyridine	1.81	Incomplete Integration	mcgowanm	05/01/22 18:23
2-Chloronaphthalene	6.54	Split Peak	mcgowanm	05/01/22 18:24
1-Chloronaphthalene	6.56	Split Peak	mcgowanm	05/01/22 18:24
1,2-Diphenylhydrazine	7.75	Peak assignment corrected	mcgowanm	05/01/22 17:44

Lab Sample ID: IC 410-250389/3 Client Sample ID:

Date Analyzed: 05/01/22 17:47 Lab File ID: LE0152.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.55	Baseline	bauera	05/02/22 11:25
Indeno[1,2,3-cd]pyrene	14.39	Baseline	bauera	05/02/22 11:31

Lab Sample ID: IC 410-250389/4 Client Sample ID:

Date Analyzed: 05/01/22 18:08 Lab File ID: LE0153.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosomethylethylamine	2.47	Baseline	bauera	05/02/22 11:32
Indeno[1,2,3-cd]pyrene	14.38	Split Peak	bauera	05/02/22 07:10

Lab Sample ID: IC 410-250389/6 Client Sample ID:

Date Analyzed: 05/01/22 18:50 Lab File ID: LE0155.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.55	Baseline	bauera	05/02/22 11:35
Benzo[a]pyrene	12.80	Baseline	bauera	05/02/22 11:37

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 250389

Lab Sample ID: IC 410-250389/7 Client Sample ID:

Date Analyzed: 05/01/22 20:04 Lab File ID: LE0156.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.56	Baseline	bauera	05/02/22 11:38
N,N-dimethylformamide	2.16	Baseline	bauera	05/02/22 11:38

Lab Sample ID: IC 410-250389/8 Client Sample ID:

Date Analyzed: 05/01/22 20:25 Lab File ID: LE0157.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.24	Baseline	bauera	05/02/22 11:41
Phenol	3.80	Baseline	bauera	05/02/22 11:41
Isosafrole Peak 1	6.28	Baseline	bauera	05/02/22 11:42
trans-Diallate	8.07	Baseline	bauera	05/02/22 11:42
Pentachlorophenol	8.29	Baseline	bauera	05/02/22 11:43
Indeno[1,2,3-cd]pyrene	14.37	Split Peak	bauera	05/02/22 07:11

Lab Sample ID: IC 410-250389/9 Client Sample ID:

Date Analyzed: 05/01/22 20:46 Lab File ID: LE0158.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	12.80	Baseline	bauera	05/02/22 11:44
Indeno[1,2,3-cd]pyrene	14.36	Split Peak	bauera	05/02/22 07:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 250639

Lab Sample ID: ICV 410-250639/12 Client Sample ID:

Date Analyzed: 05/02/22 12:36 Lab File ID: LE0203.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	7.96	Peak assignment corrected	bauera	05/02/22 13:28
1,4-phenylenediamine		Invalid Compound ID	bauera	05/02/22 13:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Analysis Batch Number: 257173

Lab Sample ID: CCVIS 410-257173/2 Client Sample ID:

Date Analyzed: 05/19/22 16:11 Lab File ID: LE1951a.D GC Column: DB-5MS 20m 0. ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.77	Incomplete Integration	mcgowanm	05/19/22 16:45
Indeno[1,2,3-cd]pyrene	14.29	Split Peak	mcgowanm	05/19/22 22:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 257357

Lab Sample ID: ICIS 410-257357/2 Client Sample ID:

Date Analyzed: 05/20/22 07:20 Lab File ID: ME1201.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	15.02	Baseline	gamblerj	05/20/22 07:45

Lab Sample ID: IC 410-257357/3 Client Sample ID:

Date Analyzed: 05/20/22 07:41 Lab File ID: ME1202.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	gamblerj	05/20/22 08:07

Lab Sample ID: IC 410-257357/4 Client Sample ID:

Date Analyzed: 05/20/22 08:03 Lab File ID: ME1203.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	15.02	Baseline	gamblerj	05/20/22 08:29

Lab Sample ID: IC 410-257357/5 Client Sample ID:

Date Analyzed: 05/20/22 08:24 Lab File ID: ME1204.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.77	Baseline	gamblerj	05/20/22 08:49
Indeno[1,2,3-cd]pyrene	15.02	Baseline	gamblerj	05/20/22 08:49

Lab Sample ID: IC 410-257357/6 Client Sample ID:

Date Analyzed: 05/20/22 08:46 Lab File ID: ME1205.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.77	Baseline	gamblerj	05/20/22 09:10
Indeno[1,2,3-cd]pyrene	15.02	Baseline	gamblerj	05/20/22 09:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 257357

Lab Sample ID: IC 410-257357/7 Client Sample ID:

Date Analyzed: 05/20/22 09:08 Lab File ID: ME1206.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.78	Baseline	gamblerj	05/20/22 09:30
Indeno[1,2,3-cd]pyrene	15.02	Baseline	gamblerj	05/20/22 09:30

Lab Sample ID: ICV 410-257357/9 Client Sample ID:

Date Analyzed: 05/20/22 10:55 Lab File ID: ME1208a.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodiphenylamine	8.03	Peak assignment corrected	luttek	05/20/22 15:41
Indeno[1,2,3-cd]pyrene	15.02	Split Peak	luttek	05/20/22 15:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Analysis Batch Number: 257935

Lab Sample ID: CCVIS 410-257935/2 Client Sample ID:

Date Analyzed: 05/23/22 07:47 Lab File ID: ME1301.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	15.02	Baseline	gamblerj	05/23/22 08:12

Lab Sample ID: 410-84076-3 Client Sample ID: FBW001_FB_052022

Date Analyzed: 05/23/22 10:22 Lab File ID: ME1308.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.78	Baseline	gamblerj	05/24/22 02:51
Di-n-butyl phthalate	9.38	Baseline	gamblerj	05/24/22 02:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 250058

Lab Sample ID: IC 410-250058/7 Client Sample ID:

Date Analyzed: 04/29/22 17:03 Lab File ID: ND1406.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.73	Missed Peak	saadehw	04/29/22 17:29
N-Nitrosodimethylamine	2.06	Incomplete Integration	saadehw	04/29/22 17:29
Indeno[1,2,3-cd]pyrene	14.99	Incomplete Integration	saadehw	04/29/22 17:29
Dibenz(a,h)anthracene	15.04	Incomplete Integration	saadehw	04/29/22 17:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 257602

Lab Sample ID: MB 410-256915/1-A Client Sample ID:

Date Analyzed: 05/20/22 18:20 Lab File ID: NE0552.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	gamblerj	05/23/22 06:23
Di-n-octyl phthalate		Invalid Compound ID	gamblerj	05/23/22 06:23

Lab Sample ID: LCS 410-256915/2-A Client Sample ID:

Date Analyzed: 05/20/22 18:41 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	1.71	Baseline	gamblerj	05/23/22 06:24

Lab Sample ID: 410-84076-1 Client Sample ID: FBW001_052022

Date Analyzed: 05/21/22 03:21 Lab File ID: NE0577.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.71	Baseline	gamblerj	05/23/22 05:56
Di-n-octyl phthalate		Invalid Compound ID	gamblerj	05/23/22 05:56

Lab Sample ID: 410-84076-1 MS Client Sample ID: FBW001_MS_052022 MS

Date Analyzed: 05/21/22 03:43 Lab File ID: NE0578.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.69	Baseline	gamblerj	05/23/22 05:57

Lab Sample ID: 410-84076-1 MSD Client Sample ID: FBW001_MSD_052022 MSD

Date Analyzed: 05/21/22 04:04 Lab File ID: NE0579.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.69	Baseline	gamblerj	05/23/22 05:57

8270D SIM

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laborator Job No.: 410-84076-1

SDG No.:

Instrument ID: HP23263 Analysis Batch Number: 257602

Lab Sample ID: 410-84076-4 Client Sample ID: FBS010_052022

Date Analyzed: 05/21/22 04:26 Lab File ID: NE0580.D GC Column: DB-5MS 30m 0. ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	gamblerj	05/23/22 05:58
Bis(2-chloroethyl)ether		Invalid Compound ID	gamblerj	05/23/22 05:58
Di-n-octyl phthalate		Invalid Compound ID	gamblerj	05/23/22 05:58

Lab Sample ID: 410-84076-5 Client Sample ID: FBS010_DUP-1_052022

Date Analyzed: 05/21/22 04:48 Lab File ID: NE0581.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	gamblerj	05/23/22 05:59
Acenaphthene	7.37	Baseline	gamblerj	05/23/22 06:01
Bis(2-chloroethyl)ether		Invalid Compound ID	gamblerj	05/23/22 06:01
Di-n-octyl phthalate		Invalid Compound ID	gamblerj	05/23/22 06:01

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270_1_00022	07/20/22	03/15/22	MeCl2, Lot 220583	1 mL	MSS_FV8270_1_00024	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.: 410-84076-1

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.: 410-84076-1

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	0.25 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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00024	07/31/22	03/15/22	MeCl2, Lot 220583	2 mL	MSS_FV8270_2_00021	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.: 410-84076-1

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.: 410-84076-1

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	1 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.: 410-84076-1

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_00021	07/31/22	03/15/22	MeCl2, Lot 220583	5 mL	MSS_8270_APWS_00010	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.: 410-84076-1

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_00011	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.: 410-84076-1

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	2 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00006	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_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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
....MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
....OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
....OP_RES_APPX2_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
....OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
....OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
...MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
....MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
....OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
....OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
....OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
....OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...MSS_AB_24DNP_00006	09/05/23		Absolute, Lot 090518		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
...MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
...MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
...MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
							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_00021	07/20/22	03/15/22	MeCl2, Lot 220583	3 mL	MSS_BAS_WS_00005	7.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_FV8270_2_00021	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
							2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Carbazole	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	0.5 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_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_2_00021	07/31/22	03/15/22	MeCl2, Lot 220583	5 mL	MSS_8270_APWS_00010	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-Diallate	0.26 ppm
					MSS_8270_WS_00011	20 uL	2,4,6-Tribromophenol (Surr)	2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	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	2 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_00006	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_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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	20 ppm
..MSS_8270_APWS_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00006	09/05/23		Absolute, Lot 090518		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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_3_00020	07/20/22	03/15/22	MeCl2, Lot 220583	1 mL	MSS_BAS_WS_00005	12.5 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_FV8270_3_00022	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
							2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,2'-oxybis[1-chloropropane]	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Methylphenol	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl phenyl ether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl phenyl ether	1.25 ppm
							4-Methylphenol	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butylbenzylphthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethylphthalate	1.25 ppm
							Dimethylphthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_3_00022	07/31/22	03/15/22	MeCl2, Lot 220583	2 mL	MSS_8270_APWS_00010	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	5 ppm
							2,6-Dichlorophenol	5 ppm
							2,6-Dinitrotoluene	5 ppm
							2-Chloronaphthalene	5 ppm
							2-Chlorophenol	5 ppm
							2-Methylnaphthalene	5 ppm
							2-Methylphenol	5 ppm
							2-Nitroaniline	5 ppm
							2-Nitrophenol	5 ppm
							3-Nitroaniline	5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	5 ppm
							4-Chloro-3-methylphenol	5 ppm
							4-Chloroaniline	5 ppm
							4-Chlorophenyl phenyl ether	5 ppm
							4-Methylphenol	5 ppm
							4-Nitroaniline	5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	5 ppm
							Acenaphthylene	5 ppm
							Acetophenone	5 ppm
							Aniline	5 ppm
							Anthracene	5 ppm
							Benzo[a]anthracene	5 ppm
							Benzo[a]pyrene	5 ppm
							Benzo[b]fluoranthene	5 ppm
							Benzo[g,h,i]perylene	5 ppm
							Benzo[k]fluoranthene	5 ppm
							Benzyl alcohol	5 ppm
							Bis(2-chloroethoxy)methane	5 ppm
							Bis(2-chloroethyl)ether	5 ppm
							Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Carbazole	5 ppm
							Chrysene	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Dibenz(a,h)anthracene	5 ppm
							Dibenzofuran	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
							Fluoranthene	5 ppm
							Fluorene	5 ppm
							Hexachlorobenzene	5 ppm
							Hexachlorobutadiene	5 ppm
							Hexachlorocyclopentadiene	5 ppm
							Hexachloroethane	5 ppm
							Indeno[1,2,3-cd]pyrene	5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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.: 410-84076-1

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_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00006	09/05/23		Absolute, Lot 090518		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00004	11/19/24		Absolute, Lot 111924		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00003	07/24/23		Absolute, Lot 072418		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00020	07/20/22	03/15/22	MeCl2, Lot 220583	3 mL	MSS_BAS_WS_00005	112.5 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_FV8270_4_00021	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
							2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,2'-oxybis[1-chloropropane]	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl phenyl ether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl phenyl ether	3.75 ppm
							4-Methylphenol	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butylbenzylphthalate	3.75 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethylphthalate	3.75 ppm
							Dimethylphthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_BAS_WS_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_4_00021	07/31/22	03/15/22	MeCl2, Lot 220583	2 mL	MSS_8270_APWS_00010	120 uL	Benzidine	45 ppm
							1,3,5-Trinitrobenzene	15 ppm
							1,4-Dinitrobenzene	15 ppm
							1-Naphthylamine	15 ppm
							2-Acetylaminofluorene	15 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	15 ppm
							2-Picoline	15 ppm
							2-Toluidine	15 ppm
							3,3'-Dimethylbenzidine	15 ppm
							4,4'-Methylene bis(2-chloroaniline)	15 ppm
							4-Aminobiphenyl	15 ppm
							4-Nitroquinoline-1-oxide	15 ppm
							Dibenz[a,h]acridine	15 ppm
							N-Nitro-o-toluidine	15 ppm
							N-Nitrosodi-n-butylamine	15 ppm
							N-Nitrosodiethylamine	15 ppm
							N-Nitrosomethylethylamine	15 ppm
							N-Nitrosomorpholine	15 ppm
							N-Nitrosopiperidine	15 ppm
							N-Nitrosopyrrolidine	15 ppm
							p-Dimethylamino azobenzene	15 ppm
							p-Phenylene diamine	15 ppm
							Pentachloronitrobenzene	15 ppm
							Phenacetin	15 ppm
							Pronamide	15 ppm
							Quinoline	15 ppm
							1,4-Naphthoquinone	15 ppm
							1-Chloronaphthalene	15 ppm
							7,12-Dimethylbenz(a)anthracene	15 ppm
							Chlorobenzilate	15 ppm
							Dinoseb	15 ppm
							Ethyl methanesulfonate	15 ppm
							Hexachloropropene	15 ppm
							Isodrin	15 ppm
							Isosafrole Peak 1	2.4 ppm
							Isosafrole Peak 2	12.6 ppm
							Methyl methanesulfonate	15 ppm
							Pentachlorobenzene	15 ppm
							3-Methylcholanthrene	15 ppm
							6-Methylchrysene	15 ppm
							cis-Diallate	11.1 ppm
							Dimethoate	15 ppm
							Disulfoton	15 ppm
							Ethyl Parathion	15 ppm
							Methyl parathion	15 ppm
							o,o',o''-Triethylphosphorothioate	15 ppm
							Phorate	15 ppm
							Safrole, Total	15 ppm
							Sulfotepp	15 ppm
							Thionazin	15 ppm
							trans-Diallate	3.9 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_8270_WS_00011	120 uL	2,4,6-Tribromophenol (Surr)	30 ppm
							2-Fluorobiphenyl (Surr)	30 ppm
							2-Fluorophenol (Surr)	30 ppm
							Nitrobenzene-d5 (Surr)	30 ppm
							p-Terphenyl-d14 (Surr)	30 ppm
							Phenol-d5 (Surr)	30 ppm
							Dibenz[a,j]acridine	15 ppm
							1,1'-Biphenyl	15 ppm
							1,2,4,5-Tetrachlorobenzene	15 ppm
							1,2,4-Trichlorobenzene	15 ppm
							1,2-Dichlorobenzene	15 ppm
							1,2-Diphenylhydrazine	15 ppm
							1,3-Dichlorobenzene	15 ppm
							1,3-Dinitrobenzene	15 ppm
							1,4-Dichlorobenzene	15 ppm
							1,4-Dioxane	15 ppm
							1-Methylnaphthalene	15 ppm
							2,2'-oxybis[1-chloropropane]	15 ppm
							2,3,4,6-Tetrachlorophenol	15 ppm
							2,4,5-Trichlorophenol	15 ppm
							2,4,6-Trichlorophenol	15 ppm
							2,4-Dichlorophenol	15 ppm
							2,4-Dimethylphenol	15 ppm
							2,4-Dinitrophenol	45 ppm
							2,4-Dinitrotoluene	15 ppm
							2,6-Dichlorophenol	15 ppm
							2,6-Dinitrotoluene	15 ppm
							2-Chloronaphthalene	15 ppm
							2-Chlorophenol	15 ppm
							2-Methylnaphthalene	15 ppm
							2-Methylphenol	15 ppm
							2-Nitroaniline	15 ppm
							2-Nitrophenol	15 ppm
							3-Nitroaniline	15 ppm
							4,6-Dinitro-2-methylphenol	30 ppm
							4-Bromophenyl phenyl ether	15 ppm
							4-Chloro-3-methylphenol	15 ppm
							4-Chloroaniline	15 ppm
							4-Chlorophenyl phenyl ether	15 ppm
							4-Methylphenol	15 ppm
							4-Nitroaniline	15 ppm
							4-Nitrophenol	30 ppm
							Acenaphthene	15 ppm
							Acenaphthylene	15 ppm
							Acetophenone	15 ppm
							Aniline	15 ppm
							Anthracene	15 ppm
							Benzo[a]anthracene	15 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	15 ppm
							Benzo[b]fluoranthene	15 ppm
							Benzo[g,h,i]perylene	15 ppm
							Benzo[k]fluoranthene	15 ppm
							Benzyl alcohol	15 ppm
							Bis(2-chloroethoxy)methane	15 ppm
							Bis(2-chloroethyl)ether	15 ppm
							Bis(2-ethylhexyl) phthalate	15 ppm
							Butylbenzylphthalate	15 ppm
							Carbazole	15 ppm
							Chrysene	15 ppm
							Di-n-butyl phthalate	15 ppm
							Di-n-octyl phthalate	15 ppm
							Dibenz(a,h)anthracene	15 ppm
							Dibenzofuran	15 ppm
							Diethylphthalate	15 ppm
							Dimethylphthalate	15 ppm
							Fluoranthene	15 ppm
							Fluorene	15 ppm
							Hexachlorobenzene	15 ppm
							Hexachlorobutadiene	15 ppm
							Hexachlorocyclopentadiene	15 ppm
							Hexachloroethane	15 ppm
							Indeno[1,2,3-cd]pyrene	15 ppm
							Isophorone	15 ppm
							N-Nitrosodi-n-propylamine	15 ppm
							N-Nitrosodimethylamine	15 ppm
							N-Nitrosodiphenylamine	12.75 ppm
							Naphthalene	15 ppm
							Nitrobenzene	15 ppm
							Pentachlorophenol	30 ppm
							Phenanthrene	15 ppm
							Phenol	15 ppm
							Pyrene	15 ppm
							Pyridine	30 ppm
							3,3'-Dichlorobenzidine	15 ppm
							Benzidine	45 ppm
							Alpha-Terpineol	15 ppm
							Dimethylformamide	15 ppm
							Octachlorostyrene	15 ppm
							Phenyl ether	15 ppm
					MSS_AB_24DNP_00006	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_8270_APWS_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00006	09/05/23		Absolute, Lot 090518		(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_5_00028	07/20/22	04/06/22	MeCl2, Lot 220583	3 mL	MSS_BAS_WS_00005	225 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_FV8270_5_00026	750 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
							2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl phenyl ether	7.5 ppm
							4-Methylphenol	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butylbenzylphthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethylphthalate	7.5 ppm
							Dimethylphthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Alpha-Terpineol	7.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_5_00026	07/31/22	03/15/22	MeCl2, Lot 220583	5 mL	MSS_8270_APWS_00010	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethylphthalate	30 ppm
							Dimethylphthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00007	2500 uL	1,4-Naphthoquinone	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23	Sigma- Aldrich, Lot LRAC8467			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24	Restek, Lot A0175669			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_AB_24DNP_00006	09/05/23		Absolute, Lot 090518		(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_00027	07/20/22	04/06/22	MeCl2, Lot 220583	5 mL	MSS_BAS_WS_00005	625 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270_6_00036	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
							2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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]	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethylphthalate	12.5 ppm
							Dimethylphthalate	12.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_6_00036	07/31/22	03/15/22	MeCl2, Lot 220583	5 mL	MSS_8270_APWS_00010	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	50 ppm
							1,2,4-Trichlorobenzene	50 ppm
							1,2-Dichlorobenzene	50 ppm
							1,2-Diphenylhydrazine	50 ppm
							1,3-Dichlorobenzene	50 ppm
							1,3-Dinitrobenzene	50 ppm
							1,4-Dichlorobenzene	50 ppm
							1,4-Dioxane	50 ppm
							1-Methylnaphthalene	50 ppm
							2,2'-oxybis[1-chloropropane]	50 ppm
							2,3,4,6-Tetrachlorophenol	50 ppm
							2,4,5-Trichlorophenol	50 ppm
							2,4,6-Trichlorophenol	50 ppm
							2,4-Dichlorophenol	50 ppm
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dichlorophenol	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Methylphenol	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							3-Nitroaniline	50 ppm
							4,6-Dinitro-2-methylphenol	100 ppm
							4-Bromophenyl phenyl ether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chloroaniline	50 ppm
							4-Chlorophenyl phenyl ether	50 ppm
							4-Methylphenol	50 ppm
							4-Nitroaniline	50 ppm
							4-Nitrophenol	100 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Acetophenone	50 ppm
							Aniline	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm
							Benzyl alcohol	50 ppm
							Bis(2-chloroethoxy)methane	50 ppm
							Bis(2-chloroethyl)ether	50 ppm
							Bis(2-ethylhexyl) phthalate	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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)	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_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_7_00021	07/20/22	03/15/22	MeCl2, Lot 220583	1 mL	MSS_BAS_WS_00005	200 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_FV8270_7_00023	250 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thionazin	20 ppm
							trans-Diallate	5.2 ppm
							2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,2'-oxybis[1-chloropropane]	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl phenyl ether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl phenyl ether	20 ppm
							4-Methylphenol	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butylbenzylphthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethylphthalate	20 ppm
							Dimethylphthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							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.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_BAS_WS_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_7_00023	07/31/22	03/15/22	MeCl2, Lot 220583	2 mL	MSS_8270_APWS_00010	640 uL	Benzidine	240 ppm
							1,3,5-Trinitrobenzene	80 ppm
							1,4-Dinitrobenzene	80 ppm
							1-Naphthylamine	80 ppm
							2-Acetylaminofluorene	80 ppm
							2-Naphthylamine	80 ppm
							2-Picoline	80 ppm
							2-Toluidine	80 ppm
							3,3'-Dimethylbenzidine	80 ppm
							4,4'-Methylene bis(2-chloroaniline)	80 ppm
							4-Aminobiphenyl	80 ppm
							4-Nitroquinoline-1-oxide	80 ppm
							Dibenz[a,h]acridine	80 ppm
							N-Nitro-o-toluidine	80 ppm
							N-Nitrosodi-n-butylamine	80 ppm
							N-Nitrosodiethylamine	80 ppm
							N-Nitrosomethylethylamine	80 ppm
							N-Nitrosomorpholine	80 ppm
							N-Nitrosopiperidine	80 ppm
							N-Nitrosopyrrolidine	80 ppm
							p-Dimethylamino azobenzene	80 ppm
							p-Phenylene diamine	80 ppm
							Pentachloronitrobenzene	80 ppm
							Phenacetin	80 ppm
							Pronamide	80 ppm
							Quinoline	80 ppm
							1,4-Naphthoquinone	80 ppm
							1-Chloronaphthalene	80 ppm
							7,12-Dimethylbenz(a)anthracene	80 ppm
							Chlorobenzilate	80 ppm
							Dinoseb	80 ppm
							Ethyl methanesulfonate	80 ppm
							Hexachloropropene	80 ppm
							Isodrin	80 ppm
							Isosafrole Peak 1	12.8 ppm
							Isosafrole Peak 2	67.2 ppm
							Methyl methanesulfonate	80 ppm
							Pentachlorobenzene	80 ppm
							3-Methylcholanthrene	80 ppm
							6-Methylchrysene	80 ppm
							cis-Diallate	59.2 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	80 ppm
							4-Chlorophenyl phenyl ether	80 ppm
							4-Methylphenol	80 ppm
							4-Nitroaniline	80 ppm
							4-Nitrophenol	160 ppm
							Acenaphthene	80 ppm
							Acenaphthylene	80 ppm
							Acetophenone	80 ppm
							Aniline	80 ppm
							Anthracene	80 ppm
							Benzo[a]anthracene	80 ppm
							Benzo[a]pyrene	80 ppm
							Benzo[b]fluoranthene	80 ppm
							Benzo[g,h,i]perylene	80 ppm
							Benzo[k]fluoranthene	80 ppm
							Benzyl alcohol	80 ppm
							Bis(2-chloroethoxy)methane	80 ppm
							Bis(2-chloroethyl)ether	80 ppm
							Bis(2-ethylhexyl) phthalate	80 ppm
							Butylbenzylphthalate	80 ppm
							Carbazole	80 ppm
							Chrysene	80 ppm
							Di-n-butyl phthalate	80 ppm
							Di-n-octyl phthalate	80 ppm
							Dibenz(a,h)anthracene	80 ppm
							Dibenzofuran	80 ppm
							Diethylphthalate	80 ppm
							Dimethylphthalate	80 ppm
							Fluoranthene	80 ppm
							Fluorene	80 ppm
							Hexachlorobenzene	80 ppm
							Hexachlorobutadiene	80 ppm
							Hexachlorocyclopentadiene	80 ppm
							Hexachloroethane	80 ppm
							Indeno[1,2,3-cd]pyrene	80 ppm
							Isophorone	80 ppm
							N-Nitrosodi-n-propylamine	80 ppm
							N-Nitrosodimethylamine	80 ppm
							N-Nitrosodiphenylamine	68 ppm
							Naphthalene	80 ppm
							Nitrobenzene	80 ppm
							Pentachlorophenol	160 ppm
							Phenanthrene	80 ppm
							Phenol	80 ppm
							Pyrene	80 ppm
							Pyridine	160 ppm
							3,3'-Dichlorobenzidine	80 ppm
							Benzidine	240 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00007	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00007	07/31/22		Restek, Lot A0174821		(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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00022	07/20/22	03/15/22	MeCl2, Lot 220583	1 mL	MSS_BAS_WS_00005	300 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_FV8270_8_00022	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
							2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethylphthalate	30 ppm
							Dimethylphthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00005	07/20/22	01/18/22	MeCl2, Lot 217990	5 mL	OP_LCSmix2stk_00004	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270_8_00022	07/31/22	03/15/22	MeCl2, Lot 220583	2 mL	MSS_8270_APWS_00010	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00011	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	120 ppm
							2,4,6-Trichlorophenol	120 ppm
							2,4-Dichlorophenol	120 ppm
							2,4-Dimethylphenol	120 ppm
							2,4-Dinitrophenol	240 ppm
							2,4-Dinitrotoluene	120 ppm
							2,6-Dichlorophenol	120 ppm
							2,6-Dinitrotoluene	120 ppm
							2-Chloronaphthalene	120 ppm
							2-Chlorophenol	120 ppm
							2-Methylnaphthalene	120 ppm
							2-Methylphenol	120 ppm
							2-Nitroaniline	120 ppm
							2-Nitrophenol	120 ppm
							3-Nitroaniline	120 ppm
							4,6-Dinitro-2-methylphenol	240 ppm
							4-Bromophenyl phenyl ether	120 ppm
							4-Chloro-3-methylphenol	120 ppm
							4-Chloroaniline	120 ppm
							4-Chlorophenyl phenyl ether	120 ppm
							4-Methylphenol	120 ppm
							4-Nitroaniline	120 ppm
							4-Nitrophenol	240 ppm
							Acenaphthene	120 ppm
							Acenaphthylene	120 ppm
							Acetophenone	120 ppm
							Aniline	120 ppm
							Anthracene	120 ppm
							Benzo[a]anthracene	120 ppm
							Benzo[a]pyrene	120 ppm
							Benzo[b]fluoranthene	120 ppm
							Benzo[g,h,i]perylene	120 ppm
							Benzo[k]fluoranthene	120 ppm
							Benzyl alcohol	120 ppm
							Bis(2-chloroethoxy)methane	120 ppm
							Bis(2-chloroethyl)ether	120 ppm
							Bis(2-ethylhexyl) phthalate	120 ppm
							Butylbenzylphthalate	120 ppm
							Carbazole	120 ppm
							Chrysene	120 ppm
							Di-n-butyl phthalate	120 ppm
							Di-n-octyl phthalate	120 ppm
							Dibenz(a,h)anthracene	120 ppm
							Dibenzofuran	120 ppm
							Diethylphthalate	120 ppm
							Dimethylphthalate	120 ppm
							Fluoranthene	120 ppm
							Fluorene	120 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00010	07/31/22	03/14/22	MeCl2, Lot 216834	10 mL	MSS_AB_BZIDIN_00007	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00005	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00007	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00005	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00005	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00007	01/29/23		Absolute, Lot 012920		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00005	01/31/23		Restek, Lot A0180446		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	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_00007	07/31/22		Restek, Lot A0174821		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00005	12/31/22		Restek, Lot A0179501		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00005	01/31/23		Restek, Lot A0168635		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00011	02/28/23	03/13/22	MeCl2, Lot 220583	10 mL	MSS_8270_SURR_00004	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00004	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00007	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethylphthalate	250 ppm
							Dimethylphthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00006	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
					OP_RES_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
...MSS_8270_SURR_00004	10/31/23		Sigma- Aldrich, Lot LRAC8467		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_RES_APPX6_00004	08/31/24		Restek, Lot A0175669		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
...OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00022	11/30/23	02/23/21	MeCl2, Lot 206284	25 mL	MSS_FV8270_IS_00005	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00005	11/30/23		Restek, Lot A0166482		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00017	09/30/22	04/07/22	MeCl2, Lot 219044	3 mL	MSS_FV8270ICV_00017	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_FV8270ICV_00017	09/30/22	04/06/22	MeCl2, Lot 219044	5 mL	MS_RES_ICV1_00002	250 uL	2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2-Chlorophenol	50 ppm
							Carbazole	50 ppm
							Phenol	50 ppm
..MS_RES_ICV1_00002	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2-Chlorophenol	1000 ug/mL
							Carbazole	1000 ug/mL
							Phenol	1000 ug/mL
MSS_RVDFTPP_00009							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
							Total PAH	
					MSS_AB_DFTPP_00013	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00013	06/30/22		Absolute, Lot 112519		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVSIM_1_00016	06/04/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_PHTH_WS1_00011	5 uL	Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Diethylphthalate	0.25 ppm
							Dimethylphthalate	0.25 ppm
					MSS_RVSIM_IS_00027	20 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	2 uL	1,4-Dioxane	0.01 ppm
							Bis(2-chloroethyl)ether	0.01 ppm
							Hexachlorobenzene	0.01 ppm
							N-Nitrosodimethylamine	0.01 ppm
							N-Nitrosodiphenylamine	0.01 ppm
							1-Methylnaphthalene	0.01 ppm
							2-Methylnaphthalene	0.01 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	0.01 ppm
							Acenaphthylene	0.01 ppm
							Anthracene	0.01 ppm
							Benzo[a]anthracene	0.01 ppm
							Benzo[a]pyrene	0.01 ppm
							Benzo[b]fluoranthene	0.01 ppm
							Benzo[e]pyrene	0.01 ppm
							Benzo[g,h,i]perylene	0.01 ppm
							Benzo[k]fluoranthene	0.01 ppm
							Chrysene	0.01 ppm
							Dibenz(a,h)anthracene	0.01 ppm
							Dibenzofuran	0.01 ppm
							Fluoranthene	0.01 ppm
							Fluorene	0.01 ppm
							Indeno[1,2,3-cd]pyrene	0.01 ppm
							Naphthalene	0.01 ppm
							Perylene	0.01 ppm
							Phenanthrene	0.01 ppm
							Pyrene	0.01 ppm
							Quinoline	0.01 ppm
							1-Methylnaphthalene-d10 (Surr)	0.01 ppm
							Benzo(a)pyrene-d12 (Surr)	0.01 ppm
							Fluoranthene-d10 (Surr)	0.01 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_2_00017	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	5 uL	Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	5 uL	1,4-Dioxane	0.05 ppm
							Bis(2-chloroethyl)ether	0.05 ppm
							Hexachlorobenzene	0.05 ppm
							N-Nitrosodimethylamine	0.05 ppm
							N-Nitrosodiphenylamine	0.05 ppm
							1-Methylnaphthalene	0.05 ppm
							2-Methylnaphthalene	0.05 ppm
							Acenaphthene	0.05 ppm
							Acenaphthylene	0.05 ppm
							Anthracene	0.05 ppm
							Benzo[a]anthracene	0.05 ppm
							Benzo[a]pyrene	0.05 ppm
							Benzo[b]fluoranthene	0.05 ppm
							Benzo[e]pyrene	0.05 ppm
							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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	0.05 ppm
							Pyrene	0.05 ppm
							Quinoline	0.05 ppm
							1-Methylnaphthalene-d10 (Surr)	0.05 ppm
							Benzo(a)pyrene-d12 (Surr)	0.05 ppm
							Fluoranthene-d10 (Surr)	0.05 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_3_00015	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	10 uL	Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Diethylphthalate	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylphthalate	1 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	10 uL	1,4-Dioxane	0.1 ppm
							Bis(2-chloroethyl)ether	0.1 ppm
							Hexachlorobenzene	0.1 ppm
							N-Nitrosodimethylamine	0.1 ppm
							N-Nitrosodiphenylamine	0.1 ppm
							1-Methylnaphthalene	0.1 ppm
							2-Methylnaphthalene	0.1 ppm
							Acenaphthene	0.1 ppm
							Acenaphthylene	0.1 ppm
							Anthracene	0.1 ppm
							Benzo[a]anthracene	0.1 ppm
							Benzo[a]pyrene	0.1 ppm
							Benzo[b]fluoranthene	0.1 ppm
							Benzo[e]pyrene	0.1 ppm
							Benzo[g,h,i]perylene	0.1 ppm
							Benzo[k]fluoranthene	0.1 ppm
							Chrysene	0.1 ppm
							Dibenz(a,h)anthracene	0.1 ppm
							Dibenzofuran	0.1 ppm
							Fluoranthene	0.1 ppm
							Fluorene	0.1 ppm
							Indeno[1,2,3-cd]pyrene	0.1 ppm
							Naphthalene	0.1 ppm
							Perylene	0.1 ppm
							Phenanthrene	0.1 ppm
							Pyrene	0.1 ppm
							Quinoline	0.1 ppm
							1-Methylnaphthalene-d10 (Surr)	0.1 ppm
							Benzo(a)pyrene-d12 (Surr)	0.1 ppm
							Fluoranthene-d10 (Surr)	0.1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_4_00019	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_PHTH_WS1_00010	125 uL	Bis(2-ethylhexyl) phthalate	2.5 ppm
							Butylbenzylphthalate	2.5 ppm
							Di-n-butyl phthalate	2.5 ppm
							Di-n-octyl phthalate	2.5 ppm
							Diethylphthalate	2.5 ppm
							Dimethylphthalate	2.5 ppm
					MSS_RVSIM_IS_00024	50 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	250 uL	1,4-Dioxane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_00010	06/16/22	12/16/21	MeCl2, Lot 216834	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00024	06/14/22	12/14/21	MeCl2, Lot 216834	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_4_00022	06/04/22	04/26/22	MeCl2, Lot 219045	5 mL	MSS_PHTH_WS1_00011	125 uL	Bis(2-ethylhexyl) phthalate	2.5 ppm
							Butylbenzylphthalate	2.5 ppm
							Di-n-butyl phthalate	2.5 ppm
							Di-n-octyl phthalate	2.5 ppm
							Diethylphthalate	2.5 ppm
							Dimethylphthalate	2.5 ppm
					MSS_RVSIM_IS_00027	50 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	250 uL	1,4-Dioxane	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							N-Nitrosodiphenylamine	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[e]pyrene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Chrysene	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							Naphthalene	0.5 ppm
							Perylene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
							Quinoline	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene-d10 (Surr)	0.5 ppm
							Benzo(a)pyrene-d12 (Surr)	0.5 ppm
							Fluoranthene-d10 (Surr)	0.5 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23		Absolute, Lot 102720		(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_5_00016	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	50 uL	Bis(2-ethylhexyl) phthalate	5 ppm
							Butylbenzylphthalate	5 ppm
							Di-n-butyl phthalate	5 ppm
							Di-n-octyl phthalate	5 ppm
							Diethylphthalate	5 ppm
							Dimethylphthalate	5 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	100 uL	1,4-Dioxane	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Hexachlorobenzene	1 ppm
							N-Nitrosodimethylamine	1 ppm
							N-Nitrosodiphenylamine	1 ppm
							1-Methylnaphthalene	1 ppm
							2-Methylnaphthalene	1 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[e]pyrene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Chrysene	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							Naphthalene	1 ppm
							Perylene	1 ppm
							Phenanthrene	1 ppm
							Pyrene	1 ppm
							Quinoline	1 ppm
							1-Methylnaphthalene-d10 (Surr)	1 ppm
							Benzo(a)pyrene-d12 (Surr)	1 ppm
							Fluoranthene-d10 (Surr)	1 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_6_00014	06/04/22	04/26/22	MeCl2, Lot 219045	1 mL	MSS_PHTH_WS1_00011	100 uL	Bis(2-ethylhexyl) phthalate	10 ppm
							Butylbenzylphthalate	10 ppm
							Di-n-butyl phthalate	10 ppm
							Di-n-octyl phthalate	10 ppm
							Diethylphthalate	10 ppm
							Dimethylphthalate	10 ppm
					MSS_RVSIM_IS_00027	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
					MSS_RVSIM_WS1_00011	250 uL	1,4-Dioxane	2.5 ppm
							Bis(2-chloroethyl)ether	2.5 ppm
							Hexachlorobenzene	2.5 ppm
							N-Nitrosodimethylamine	2.5 ppm
							N-Nitrosodiphenylamine	2.5 ppm
							1-Methylnaphthalene	2.5 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[e]pyrene	2.5 ppm
							Benzo[g,h,i]perylene	2.5 ppm
							Benzo[k]fluoranthene	2.5 ppm
							Chrysene	2.5 ppm
							Dibenz(a,h)anthracene	2.5 ppm
							Dibenzofuran	2.5 ppm
							Fluoranthene	2.5 ppm
							Fluorene	2.5 ppm
							Indeno[1,2,3-cd]pyrene	2.5 ppm
							Naphthalene	2.5 ppm
							Perylene	2.5 ppm
							Phenanthrene	2.5 ppm
							Pyrene	2.5 ppm
							Quinoline	2.5 ppm
							1-Methylnaphthalene-d10 (Surr)	2.5 ppm
							Benzo(a)pyrene-d12 (Surr)	2.5 ppm
							Fluoranthene-d10 (Surr)	2.5 ppm
.MSS_PHTH_WS1_00011	10/26/22	04/26/22	MeCl2, Lot 219045	2 mL	MSS_AB_PHTHAL_00004	100 uL	Bis(2-ethylhexyl) phthalate	100 ppm
							Butylbenzylphthalate	100 ppm
							Di-n-butyl phthalate	100 ppm
							Di-n-octyl phthalate	100 ppm
							Diethylphthalate	100 ppm
							Dimethylphthalate	100 ppm
..MSS_AB_PHTHAL_00004	10/20/23	Absolute, Lot 102720			(Purchased Reagent)		Bis(2-ethylhexyl) phthalate	2000 ug/mL
							Butylbenzylphthalate	2000 ug/mL
							Di-n-butyl phthalate	2000 ug/mL
							Di-n-octyl phthalate	2000 ug/mL
							Diethylphthalate	2000 ug/mL
							Dimethylphthalate	2000 ug/mL
.MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27	Restek, Lot A0170322			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MSS_RVSIM_WS1_00011	06/04/22	12/16/21	MeCl2, Lot 216834	5 mL	MSS_AB_14DIOX_00007	50 uL	1,4-Dioxane	10 ppm
					MSS_AB_B2CEE_00005	50 uL	Bis(2-chloroethyl)ether	10 ppm
					MSS_AB_HCB_00008	50 uL	Hexachlorobenzene	10 ppm
					MSS_AB_NITROS_00006	25 uL	N-Nitrosodimethylamine	10 ppm
							N-Nitrosodiphenylamine	10 ppm
					MSS_AB_PAHSTD_00009	50 uL	1-Methylnaphthalene	10 ppm
							2-Methylnaphthalene	10 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	10 ppm
							Acenaphthylene	10 ppm
							Anthracene	10 ppm
							Benzo[a]anthracene	10 ppm
							Benzo[a]pyrene	10 ppm
							Benzo[b]fluoranthene	10 ppm
							Benzo[e]pyrene	10 ppm
							Benzo[g,h,i]perylene	10 ppm
							Benzo[k]fluoranthene	10 ppm
							Chrysene	10 ppm
							Dibenz(a,h)anthracene	10 ppm
							Dibenzofuran	10 ppm
							Fluoranthene	10 ppm
							Fluorene	10 ppm
							Indeno[1,2,3-cd]pyrene	10 ppm
							Naphthalene	10 ppm
							Perylene	10 ppm
							Phenanthrene	10 ppm
							Pyrene	10 ppm
					MSS_AB_QUIN_00006	50 uL	Quinoline	10 ppm
					MSS_SIM_SURR_00006	50 uL	1-Methylnaphthalene-d10 (Surr)	10 ppm
							Benzo(a)pyrene-d12 (Surr)	10 ppm
							Fluoranthene-d10 (Surr)	10 ppm
..MSS_AB_14DIOX_00007	12/16/24		Absolute, Lot 121619		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
..MSS_AB_B2CEE_00005	06/24/24		Absolute, Lot 062419		(Purchased Reagent)		Bis(2-chloroethyl)ether	1000 ug/mL
..MSS_AB_HCB_00008	06/02/24		Absolute, Lot 060519		(Purchased Reagent)		Hexachlorobenzene	1000 ug/mL
..MSS_AB_NITROS_00006	04/23/23		Absolute, Lot 042320		(Purchased Reagent)		N-Nitrosodimethylamine	2000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
..MSS_AB_PAHSTD_00009	06/05/23		Absolute, Lot 060518		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[e]pyrene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Perylene	1000 ug/mL
							Phenanthrene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
..MSS_AB_QUIN_00006	06/04/22		Absolute, Lot 060419		(Purchased Reagent)		Quinoline	1000 ug/mL
..MSS_SIM_SURR_00006	02/09/27		Restek, Lot A0168817		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1000 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1000 ug/mL
							Fluoranthene-d10 (Surr)	1000 ug/mL
MSS_RVSIM_ICV_00027	05/09/22	12/06/21	MeCl2, Lot 204513	1 mL	MSS_RVSIM_IS_00023	10 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
.MSS_RVSIM_IS_00023	05/09/22	11/09/21	MeCl2, Lot 215923	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_ICV_00027	05/09/22	12/06/21	MeCl2, Lot 204513	1 mL	OP_BNA_SS_00033	200 uL	1-Methylnaphthalene-d10 (Surr)	0.2 ppm
							Benzo(a)pyrene-d12 (Surr)	0.2 ppm
							Fluoranthene-d10 (Surr)	0.2 ppm
.OP_BNA_SS_00033	06/07/22	12/06/21	Methanol, Lot 204513	2000 mL	OP_BNA_STK_00034	2000 mL	1-Methylnaphthalene-d10 (Surr)	1000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
..OP_BNA_STK_00034	06/07/22		Agilent, Lot 0006621044		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
MSS_RVSIM_ICV_00029	05/09/22	12/15/21	MeCl2, Lot 216834	2 mL	MSS_RVSIM_IS_00023	20 uL	1,4-Dichlorobenzene-d4	0.25 ppm
							Acenaphthene-d10	0.25 ppm
							Chrysene-d12	0.25 ppm
							Naphthalene-d8	0.25 ppm
							Perylene-d12	0.25 ppm
							Phenanthrene-d10	0.25 ppm
.MSS_RVSIM_IS_00023	05/09/22	11/09/21	MeCl2, Lot 215923	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_ICV_00029	05/09/22	12/15/21	MeCl2, Lot 216834	2 mL	MSS_RVSICV_WS_00006	50 uL	1,4-Dioxane	0.5 ppm
							1-Methylnaphthalene	0.5 ppm
							2-Methylnaphthalene	0.5 ppm
							Acenaphthene	0.5 ppm
							Acenaphthylene	0.5 ppm
							Anthracene	0.5 ppm
							Benzo[a]anthracene	0.5 ppm
							Benzo[a]pyrene	0.5 ppm
							Benzo[b]fluoranthene	0.5 ppm
							Benzo[g,h,i]perylene	0.5 ppm
							Benzo[k]fluoranthene	0.5 ppm
							Bis(2-chloroethyl)ether	0.5 ppm
							Bis(2-ethylhexyl) phthalate	0.5 ppm
							Butylbenzylphthalate	0.5 ppm
							Chrysene	0.5 ppm
							Di-n-butyl phthalate	0.5 ppm
							Di-n-octyl phthalate	0.5 ppm
							Dibenz(a,h)anthracene	0.5 ppm
							Dibenzofuran	0.5 ppm
							Diethylphthalate	0.5 ppm
							Dimethylphthalate	0.5 ppm
							Fluoranthene	0.5 ppm
							Fluorene	0.5 ppm
							Hexachlorobenzene	0.5 ppm
							Indeno[1,2,3-cd]pyrene	0.5 ppm
							N-Nitrosodimethylamine	0.5 ppm
							Naphthalene	0.5 ppm
							Phenanthrene	0.5 ppm
							Pyrene	0.5 ppm
.MSS_RVSICV_WS_00006	05/15/22	12/15/21	MeCl2, Lot 216834	1 mL	OP_RES_LCS1_00005	20 uL	1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2-Methylnaphthalene	20 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butylbenzylphthalate	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethylphthalate	20 ppm
							Dimethylphthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							N-Nitrosodimethylamine	20 ppm
							Naphthalene	20 ppm
							Phenanthrene	20 ppm
							Pyrene	20 ppm
..OP_RES_LCS1_00005	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
MSS_RVSIM_ICV_00030	06/14/22	05/20/22	MeCl2, Lot 21252	1 mL	MSS_FVSIM_ICV_00014	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	0.25 ppm
.MSS_FVSIM_ICV_00014	06/14/22	01/13/22	MeCl2, Lot 217445	10 mL	MSS_FVSIM_IS_00014	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_00014	06/14/22	12/14/21	MeCl2, Lot 216834	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_00030	06/14/22	05/20/22	MeCl2, Lot 21252	1 mL	MSS_FVSIM_ICV_00014	250 uL	1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_FVSIM_ICV_00014	06/14/22	01/13/22	MeCl2, Lot 217445	10 mL	MS_RES_ICV1_00002	10 uL	1,4-Dioxane	1 ppm
							1-Methylnaphthalene	1 ppm
							2-Methylnaphthalene	1 ppm
							Acenaphthene	1 ppm
							Acenaphthylene	1 ppm
							Anthracene	1 ppm
							Benzo[a]anthracene	1 ppm
							Benzo[a]pyrene	1 ppm
							Benzo[b]fluoranthene	1 ppm
							Benzo[g,h,i]perylene	1 ppm
							Benzo[k]fluoranthene	1 ppm
							Bis(2-chloroethyl)ether	1 ppm
							Bis(2-ethylhexyl) phthalate	1 ppm
							Butylbenzylphthalate	1 ppm
							Chrysene	1 ppm
							Di-n-butyl phthalate	1 ppm
							Di-n-octyl phthalate	1 ppm
							Dibenz(a,h)anthracene	1 ppm
							Dibenzofuran	1 ppm
							Diethylphthalate	1 ppm
							Dimethylphthalate	1 ppm
							Fluoranthene	1 ppm
							Fluorene	1 ppm
							Hexachlorobenzene	1 ppm
							Indeno[1,2,3-cd]pyrene	1 ppm
							N-Nitrosodimethylamine	1 ppm
							Naphthalene	1 ppm
							Phenanthrene	1 ppm
							Pyrene	1 ppm
..MS_RES_ICV1_00002	09/30/22		Restek, Lot A0169665		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
MSS_RVSIM_ICV_00032	10/05/22	05/20/22	MeCl2, Lot 212252	1 mL	OP_BNA_SS_00040	200 uL	1-Methylnaphthalene-d10 (Surr)	0.2 ppm
							Benzo(a)pyrene-d12 (Surr)	0.2 ppm
							Fluoranthene-d10 (Surr)	0.2 ppm
.OP_BNA_SS_00040	10/05/22	04/05/22	Methanol, Lot 214330	2000 mL	OP_BNA_STK_00038	2000 mL	1-Methylnaphthalene-d10 (Surr)	1000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
..OP_BNA_STK_00038	10/06/22		Agilent, Lot 0006655725		(Purchased Reagent)		1-Methylnaphthalene-d10 (Surr)	1 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
MSS_RVSIM_IS_00026	09/03/22	03/03/22	MeCl2, Lot 216836	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSS_RVSIM_IS_00027	10/05/22	04/05/22	MeCl2, Lot 219044	10 mL	MSS_SIMTEL_IS_00010	125 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.MSS_SIMTEL_IS_00010	02/28/27		Restek, Lot A0170322		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MSV_4ppbEE_IC_00003	05/20/22	05/17/22	DI Water, Lot DI 21319	1000 mL	MSV_CCV_2CEVE_00064	4 uL	2-Chloroethyl vinyl ether	0.004 ug/mL
					MSV_CCV_CYC_00001	32 uL	Cyclohexanone	0.200001 ug/mL
					MSV_CCV_EE_00001	4 uL	Ethyl ether	0.004 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_CCV_GASES_00194	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_00067	4 uL	1,1,1,2-Tetrachloroethane	0.004 ug/mL
							1,1,1-Trichloroethane	0.004 ug/mL
							1,1,2,2-Tetrachloroethane	0.004 ug/mL
							1,1,2-Trichloroethane	0.004 ug/mL
							1,1-Dichloroethane	0.004 ug/mL
							1,1-Dichloroethene	0.004 ug/mL
							1,1-Dichloropropene	0.004 ug/mL
							1,2,3-Trichlorobenzene	0.004 ug/mL
							1,2,3-Trichloropropane	0.004 ug/mL
							1,2,4-Trichlorobenzene	0.004 ug/mL
							1,2,4-Trimethylbenzene	0.004 ug/mL
							1,2-Dibromo-3-Chloropropane	0.004 ug/mL
							1,2-Dibromoethane	0.004 ug/mL
							1,2-Dichlorobenzene	0.004 ug/mL
							1,2-Dichloroethane	0.004 ug/mL
							1,2-Dichloropropane	0.004 ug/mL
							1,3,5-Trimethylbenzene	0.004 ug/mL
							1,3-Dichlorobenzene	0.004 ug/mL
							1,3-Dichloropropane	0.004 ug/mL
							1,4-Dichlorobenzene	0.004 ug/mL
							2,2-Dichloropropane	0.004 ug/mL
							2-Chlorotoluene	0.004 ug/mL
							4-Chlorotoluene	0.004 ug/mL
							4-Isopropyltoluene	0.004 ug/mL
							Benzene	0.004 ug/mL
							Bromobenzene	0.004 ug/mL
							Bromodichloromethane	0.004 ug/mL
							Bromoform	0.004 ug/mL
							Carbon tetrachloride	0.004 ug/mL
							Chlorobenzene	0.004 ug/mL
							Chlorobromomethane	0.004 ug/mL
							Chloroform	0.004 ug/mL
							cis-1,2-Dichloroethene	0.004 ug/mL
							cis-1,3-Dichloropropene	0.004 ug/mL
							Dibromochloromethane	0.004 ug/mL
							Dibromomethane	0.004 ug/mL
							Ethylbenzene	0.004 ug/mL
							Hexachlorobutadiene	0.004 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	0.004 ug/mL
							m-Xylene & p-Xylene	0.008 ug/mL
							Methylene Chloride	0.004 ug/mL
							n-Butylbenzene	0.004 ug/mL
							N-Propylbenzene	0.004 ug/mL
							Naphthalene	0.004 ug/mL
							o-Xylene	0.004 ug/mL
							sec-Butylbenzene	0.004 ug/mL
							Styrene	0.004 ug/mL
							tert-Butylbenzene	0.004 ug/mL
							Tetrachloroethene	0.004 ug/mL
							Toluene	0.004 ug/mL
							trans-1,2-Dichloroethene	0.004 ug/mL
							trans-1,3-Dichloropropene	0.004 ug/mL
							Trichloroethene	0.004 ug/mL
							1,2,3-Trimethylbenzene	0.004 ug/mL
							1,3,5-Trichlorobenzene	0.004 ug/mL
							1,3-Diethylbenzene	0.004 ug/mL
							1,4-Dioxane	0.05 ug/mL
							1-Chlorohexane	0.004 ug/mL
							2-Chloro-1,3-butadiene	0.004 ug/mL
							2-ethoxy-2-methyl butane	0.004 ug/mL
							2-Methyl-2-propanol	0.02 ug/mL
							2-Methylnaphthalene	0.004 ug/mL
							2-Nitropropane	0.02 ug/mL
							3-Chloro-1-propene	0.004 ug/mL
							Acrylonitrile	0.01 ug/mL
							Benzyl chloride	0.004 ug/mL
							Carbon disulfide	0.004 ug/mL
							Cyclohexane	0.004 ug/mL
							Ethyl methacrylate	0.004 ug/mL
							Freon 113	0.004 ug/mL
							Hexane	0.004 ug/mL
							Iodomethane	0.004 ug/mL
							Isobutyl alcohol	0.05 ug/mL
							Isopropyl alcohol	0.02 ug/mL
							Isopropyl ether	0.004 ug/mL
							Methacrylonitrile	0.01 ug/mL
							Methyl acetate	0.004 ug/mL
							Methyl methacrylate	0.004 ug/mL
							Methyl tertiary butyl ether	0.004 ug/mL
							Methylcyclohexane	0.004 ug/mL
							n-Butanol	0.05 ug/mL
							n-Heptane	0.004 ug/mL
							o-diethylbenzene	0.004 ug/mL
							p-Diethylbenzene	0.004 ug/mL
							Pentane	0.004 ug/mL
							Propionitrile	0.02 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00068	3.2 uL	Acrolein	0.0399972 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_00064	06/15/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00065	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00065	04/30/24		Restek, Lot A0171422		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00001	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00007	9.282 mL	Cyclohexanone	6250.03 ug/mL
..MSV_VCYC_STK_00007	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00006	1.3467 g	Cyclohexanone	134670 ug/mL
...MSV_CYC_00006	05/31/23		Chem Service, Lot 12628400		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00001	05/29/22	11/29/21	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00009	0.999 mL	Ethyl ether	999.999 ug/mL
..MSV_EE_MISCSK_00009	05/29/22	11/29/21	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00006	0.5005 g	Ethyl ether	50050 ug/mL
...MSV_EE_Neat_00006	12/31/25		Chem Service, Lot 12123300		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_CCV_GASES_00194	05/24/22		Restek, Lot A0172364		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00067	06/15/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00066	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00065	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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00066	06/15/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00065	06/30/22		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00068	05/29/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00003	0.5 mL	Acrolein	12499.1 ug/mL
					MSV_V_Ketones_00064	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_00003	05/29/22	03/30/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00025	9.265 mL	Acrolein	124991 ug/mL
...MSV_VACR_STK_00025	05/29/22	03/30/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00018	1.4475 g	Acrolein	134907 ug/mL
....MSV_ACROLEIN_00018	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
..MSV_V_Ketones_00064	01/31/24	Restek, Lot A0174287			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00064	06/15/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_V_2CLEVE_00065	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00065	04/30/24	Restek, Lot A0171422			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00001	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00007	9.282 mL	Cyclohexanone	6250.03 ug/mL
.MSV_VCYC_STK_00007	08/01/22	02/01/22	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00006	1.3467 g	Cyclohexanone	134670 ug/mL
..MSV_CYC_00006	05/31/23	Chem Service, Lot 12628400			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00001	05/29/22	11/29/21	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00009	0.999 mL	Ethyl ether	999.999 ug/mL
.MSV_EE_MISCSK_00009	05/29/22	11/29/21	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00006	0.5005 g	Ethyl ether	50050 ug/mL
..MSV_EE_Neat_00006	12/31/25	Chem Service, Lot 12123300			(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_GASES_00194	05/24/22	Restek, Lot A0172364			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00198	05/30/22		Restek, Lot A0172364		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_VOC#1_00067	06/15/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00066	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00065	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00066	06/15/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00065	06/30/22		Restek, Lot A0173454		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00069	06/21/22	05/22/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00068	1 mL	1,1,1-Trichloroethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00068	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_00068	06/21/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	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_00068	06/21/22		Restek, Lot A0173454		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Freon 113	5000 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
MSV_CCV_VOC#3_00068	05/29/22	05/16/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00003	0.5 mL	Acrolein	12499.1 ug/mL
					MSV_V_Ketones_00064	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_00003	05/29/22	03/30/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00025	9.265 mL	Acrolein	124991 ug/mL
..MSV_VACR_STK_00025	05/29/22	03/30/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00018	1.4475 g	Acrolein	134907 ug/mL
...MSV_ACROLEIN_00018	02/28/23		Chem Service, Lot 12926800		(Purchased Reagent)		Acrolein	0.932 g/g
.MSV_V_Ketones_00064	01/31/24		Restek, Lot A0174287		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00070	05/29/22	05/22/22	Methanol, Lot EB679	5 mL	MSV_V_Ketones_00066	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_00066	01/31/24		Restek, Lot A0174287		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_HP23_ISSS_00007	05/23/22	11/23/21	Methanol, Lot EB679	10 mL	MSV_8260_SS_00528	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_00383	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_00528	04/30/24		Restek, Lot A0171410		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00383	08/31/24		Restek, Lot A0175453		(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_00008	11/11/22	05/11/22	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00441	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_00441	12/31/24		Restek, Lot A0179696		(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_00008	11/11/22	05/11/22	Methanol, Lot EB679	10 mL	MSV_8260_SS_00654	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_00654	02/28/27		Restek, Lot A0181656		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_Gases_00086	05/23/22	05/16/22	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00089	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_00089	05/23/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LCS_Gases_00088	05/29/22	05/22/22	Methanol, Lot EB679	25 mL	MSV_QC_2K_GAS_00090	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_00090	05/29/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00055	06/15/22	05/16/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00063	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00064	1 mL	Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon 113	40 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
					MSV_Q_Ketones_00064	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_00063	04/30/24		Restek, Lot A0171815		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00064	04/30/24		Restek, Lot A0171837		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_Q_Ketones_00064	01/31/24		Restek, Lot A0178490		(Purchased Reagent)		2-Butanone	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00056	06/21/22	05/22/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00065	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00065	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_00065	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_00065	04/30/24		Restek, Lot A0171815		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00065	04/30/24		Restek, Lot A0171837		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_Q_Ketones_00065	01/31/24		Restek, Lot A0178490		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_QC_2K_GAS_00089	05/23/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00007							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00007	0.116 mL	BFB	50.0099 ug/mL
.MSV_VBFB_STK_00007	06/29/22	12/29/21	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00005	1.0778 g	BFB	107780 ug/mL
..MSV_4BFB_NEAT_00005	02/28/25		Chem Service, Lot 11130200		(Purchased Reagent)		BFB	1 g/g
OP_MINIBNA_SS_00060	09/04/22	05/03/22	Methanol, Lot 214330	1000 mL	OP_BNA_SS_00038	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_00038	09/04/22	03/04/22	Methanol, Lot 214330	2000 mL	OP_BNA_STK_00037	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_00037	09/04/22		Agilent, Lot 0006655725		(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_00115	05/29/22	05/17/22	ACETONE, Lot EB903-US	100 mL	OP_LCS1_MS_00042	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00042	05/29/22	04/28/22	Acetone, Lot EB903-US	400 mL	OP_RES_LCS1_00007	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00006	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00004	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00001	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	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
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00004	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS2_MS_00067	06/07/22	05/06/22	ACETONE, Lot EB903-US	100 mL	OP_LCS 2_MS_00032	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00032	06/07/22	05/06/22	ACETONE, Lot EB903-US	400 mL	OP_LCSmix2stk_00004	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00004	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_SIMLCS_MS_00065	05/29/22	05/16/22	ACETONE, Lot EB903-US	100 mL	OP_B(E)P_STK_00009	0.1 mL	Benzo[e]pyrene	1078 ppb
					OP_LCS1_MS_00042	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	1000 ppb
							1,4-Dichlorobenzene	1000 ppb
							1,4-Dioxane	1000 ppb
							1-Methylnaphthalene	1000 ppb
							2,2'-oxybis[1-chloropropane]	1000 ppb
							2,3,4,6-Tetrachlorophenol	1000 ppb
							2,4,5-Trichlorophenol	1000 ppb
							2,4,6-Trichlorophenol	1000 ppb
							2,4-Dichlorophenol	1000 ppb
							2,4-Dimethylphenol	1000 ppb
							2,4-Dinitrophenol	2000 ppb
							2,4-Dinitrotoluene	1000 ppb
							2,6-Dichlorophenol	1000 ppb
							2,6-Dinitrotoluene	1000 ppb
							2-Chloronaphthalene	1000 ppb
							2-Chlorophenol	1000 ppb
							2-Methylnaphthalene	1000 ppb
							2-Methylphenol	1000 ppb
							2-Nitroaniline	1000 ppb
							2-Nitrophenol	1000 ppb
							3-Nitroaniline	1000 ppb
							4,6-Dinitro-2-methylphenol	2000 ppb
							4-Bromophenyl phenyl ether	1000 ppb
							4-Chloro-3-methylphenol	1000 ppb
							4-Chloroaniline	1000 ppb
							4-Chlorophenyl phenyl ether	1000 ppb
							4-Methylphenol	1000 ppb
							4-Nitroaniline	1000 ppb
							4-Nitrophenol	2000 ppb
							Acenaphthene	1000 ppb
							Acenaphthylene	1000 ppb
							Acetophenone	1000 ppb
							Aniline	1000 ppb
							Anthracene	1000 ppb
							Benzo[a]anthracene	1000 ppb
							Benzo[a]pyrene	1000 ppb
							Benzo[b]fluoranthene	1000 ppb
							Benzo[g,h,i]perylene	1000 ppb
							Benzo[k]fluoranthene	1000 ppb
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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 ppb
							Dibenzofuran	1000 ppb
							Diethylphthalate	1000 ppb
							Dimethylphthalate	1000 ppb
							Fluoranthene	1000 ppb
							Fluorene	1000 ppb
							Hexachlorobenzene	1000 ppb
							Hexachlorobutadiene	1000 ppb
							Hexachlorocyclopentadiene	1000 ppb
							Hexachloroethane	1000 ppb
							Hexadecane	1000 ppb
							Indeno[1,2,3-cd]pyrene	1000 ppb
							Isophorone	1000 ppb
							n-Decane	1000 ppb
							N-Nitrosodi-n-propylamine	1000 ppb
							N-Nitrosodimethylamine	1000 ppb
							N-Nitrosodiphenylamine	850 ppb
							n-Octadecane	1000 ppb
							Naphthalene	1000 ppb
							Nitrobenzene	1000 ppb
							Pentachlorophenol	2000 ppb
							Phenanthrene	1000 ppb
							Phenol	1000 ppb
							Pyrene	1000 ppb
							Pyridine	2000 ppb
							3,3'-Dichlorobenzidine	2000 ppb
							Benzidine	2000 ppb
							Benzoic acid	1000 ppb
							Indene	1000 ppb
							1-Methylphenanthrene	1000 ppb
							2,3-Dichlorobenzenamine	1000 ppb
							Alpha Methyl Styrene	1000 ppb
							Alpha-Terpineol	1000 ppb
							Dimethylformamide	1000 ppb
							icosane	1000 ppb
							n-Docosane	1000 ppb
							n-Tetradecane	1000 ppb
							Octachlorostyrene	1000 ppb
							Phenyl ether	1000 ppb
					OP_PERYL_STK_00002	0.05 mL	Perylene	1000.15 ppb
.OP_B(E)P_STK_00009	07/07/22	07/06/21	MeCl2, Lot 212643	10 mL	OP_BEP_NEAT_00002	0.011 g	Benzo[e]pyrene	1078000 ppb
..OP_BEP_NEAT_00002	06/15/23		ALDRICH, Lot MKBX6087V		(Purchased Reagent)		Benzo[e]pyrene	98 %
.OP_LCS1_MS_00042	05/29/22	04/28/22	Acetone, Lot EB903-US	400 mL	OP_RES_LCS1_00007	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

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	50000 ppb
							Dibenzofuran	50000 ppb
							Diethylphthalate	50000 ppb
							Dimethylphthalate	50000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00006	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00004	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00001	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00007	02/28/23		Restek, Lot A0175066		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylphthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							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_00006	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00004	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00001	12/31/23		Restek, Lot A0166837		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_PERYL_STK_00002	07/18/23		ABSOLUTE, Lot 071818		(Purchased Reagent)		Perylene	2000.3 ug/mL

Reagent

MS_RES_ICV1_00002

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 571995.SEC **Lot No.:** A0169665

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

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

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,000.8 µg/mL	+/- 5.8322 µg/mL	Gravimetric
	CAS # 123-91-1.SEC (Lot KLE2K)		+/- 11.9702 µg/mL	Unstressed
	Purity 99%		+/- 19.0440 µg/mL	Stressed
2	N-Nitrosodimethylamine	1,003.6 µg/mL	+/- 5.8485 µg/mL	Gravimetric
	CAS # 62-75-9.SEC (Lot 71L89)		+/- 12.0037 µg/mL	Unstressed
	Purity 99%		+/- 19.0973 µg/mL	Stressed
3	Pyridine	2,001.0 µg/mL	+/- 11.6340 µg/mL	Gravimetric
	CAS # 110-86-1.SEC (Lot QN8DK)		+/- 23.9201 µg/mL	Unstressed
	Purity 99%		+/- 38.0684 µg/mL	Stressed
4	Phenol	1,003.0 µg/mL	+/- 5.8450 µg/mL	Gravimetric
	CAS # 108-95-2.SEC (Lot EDPYN)		+/- 11.9965 µg/mL	Unstressed
	Purity 99%		+/- 19.0859 µg/mL	Stressed
5	Aniline	1,005.2 µg/mL	+/- 5.8578 µg/mL	Gravimetric
	CAS # 62-53-3.SEC (Lot ZCD3N)		+/- 12.0228 µg/mL	Unstressed
	Purity 99%		+/- 19.1278 µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,005.4 µg/mL	+/- 5.8590 µg/mL	Gravimetric
	CAS # 111-44-4.SEC (Lot FA010143)		+/- 12.0252 µg/mL	Unstressed
	Purity 99%		+/- 19.1316 µg/mL	Stressed
7	n-Decane (C10)	1,004.2 µg/mL	+/- 5.8520 µg/mL	Gravimetric
	CAS # 124-18-5.SEC (Lot UCVNN)		+/- 12.0108 µg/mL	Unstressed
	Purity 99%		+/- 19.1087 µg/mL	Stressed

8	2-Chlorophenol		1,000.2	µg/mL	+/-	5.8287	µg/mL	Gravimetric
	CAS # 95-57-8.SEC	(Lot GJ01)			+/-	11.9630	µg/mL	Unstressed
	Purity 99%				+/-	19.0326	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot ZA2ZI)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot J5GVD)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
11	Benzyl alcohol		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 100-51-6.SEC	(Lot QZBUO)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,006.6	µg/mL	+/-	5.8660	µg/mL	Gravimetric
	CAS # 95-48-7.SEC	(Lot NC7HL)			+/-	12.0395	µg/mL	Unstressed
	Purity 99%				+/-	19.1544	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 108-60-1.SEC	(Lot 2-KMW-57-8)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
15	Acetophenone		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 98-86-2.SEC	(Lot NSGTI)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		500.4	µg/mL	+/-	2.9161	µg/mL	Gravimetric
	CAS # 108-39-4.SEC	(Lot 6LHTM)			+/-	5.9851	µg/mL	Unstressed
	Purity 99%				+/-	9.5220	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		502.2	µg/mL	+/-	2.9266	µg/mL	Gravimetric
	CAS # 106-44-5.SEC	(Lot 65S2E)			+/-	6.0066	µg/mL	Unstressed
	Purity 99%				+/-	9.5563	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 621-64-7.SEC	(Lot 9566100)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
19	Hexachloroethane		1,005.2	µg/mL	+/-	5.8578	µg/mL	Gravimetric
	CAS # 67-72-1.SEC	(Lot 10173016)			+/-	12.0228	µg/mL	Unstressed
	Purity 99%				+/-	19.1278	µg/mL	Stressed
20	Nitrobenzene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 98-95-3.SEC	(Lot FLYIG)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
21	Isophorone		999.6	µg/mL	+/-	5.8252	µg/mL	Gravimetric
	CAS # 78-59-1.SEC	(Lot XHGJI)			+/-	11.9558	µg/mL	Unstressed
	Purity 98%				+/-	19.0212	µg/mL	Stressed
22	2-Nitrophenol		1,003.2	µg/mL	+/-	5.8462	µg/mL	Gravimetric
	CAS # 88-75-5.SEC	(Lot GXJ7J)			+/-	11.9989	µg/mL	Unstressed
	Purity 99%				+/-	19.0897	µg/mL	Stressed
23	2,4-Dimethylphenol		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 105-67-9.SEC	(Lot MKBL3650V)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 111-91-1 *	(Lot 9890600)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
25	2,4-Dichlorophenol		1,002.2	µg/mL	+/-	5.8403	µg/mL	Gravimetric
	CAS # 120-83-2.SEC	(Lot FHM01)			+/-	11.9869	µg/mL	Unstressed
	Purity 99%				+/-	19.0707	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
27	Naphthalene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot AM5NG)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
28	2,6-Dichlorophenol		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 87-65-0.SEC	(Lot SIDBB)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed
29	4-Chloroaniline		1,003.4	µg/mL	+/-	5.8473	µg/mL	Gravimetric
	CAS # 106-47-8.SEC	(Lot 10171860)			+/-	12.0013	µg/mL	Unstressed
	Purity 99%				+/-	19.0935	µg/mL	Stressed
30	Hexachlorobutadiene		999.9	µg/mL	+/-	5.8268	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 11135200)			+/-	11.9591	µg/mL	Unstressed
	Purity 97%				+/-	19.0265	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,001.0	µg/mL	+/-	5.8333	µg/mL	Gravimetric
	CAS # 59-50-7.SEC	(Lot FDO02)			+/-	11.9726	µg/mL	Unstressed
	Purity 99%				+/-	19.0478	µg/mL	Stressed
32	2-Methylnaphthalene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
33	1-Methylnaphthalene		999.8	µg/mL	+/-	5.8263	µg/mL	Gravimetric
	CAS # 90-12-0.SEC	(Lot OEE3F)			+/-	11.9582	µg/mL	Unstressed
	Purity 98%				+/-	19.0249	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 95-94-3.SEC	(Lot AF02)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 77-47-4.SEC	(Lot 9707900)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,002.6	µg/mL	+/-	5.8427	µg/mL	Gravimetric
	CAS # 88-06-2.SEC	(Lot UUMYM)			+/-	11.9917	µg/mL	Unstressed
	Purity 99%				+/-	19.0783	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,005.3	µg/mL	+/-	5.8585	µg/mL	Gravimetric
	CAS # 95-95-4.SEC	(Lot MKBQ9937V)			+/-	12.0241	µg/mL	Unstressed
	Purity 97%				+/-	19.1298	µg/mL	Stressed
38	2-Chloronaphthalene		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 91-58-7.SEC	(Lot 9711100)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed
39	Biphenyl		1,000.2	µg/mL	+/-	5.8287	µg/mL	Gravimetric
	CAS # 92-52-4.SEC	(Lot 33OQE)			+/-	11.9630	µg/mL	Unstressed
	Purity 99%				+/-	19.0326	µg/mL	Stressed

40	2-Nitroaniline		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 88-74-4.SEC	(Lot T6E7B)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
41	Acenaphthylene		1,000.7	µg/mL	+/-	5.8316	µg/mL	Gravimetric
	CAS # 208-96-8.SEC	(Lot 0012014)			+/-	11.9690	µg/mL	Unstressed
	Purity 96%				+/-	19.0422	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 99-65-0.SEC	(Lot 3XXLB)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
43	Dimethylphthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 131-11-3.SEC	(Lot 483WC)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,005.2	µg/mL	+/-	5.8578	µg/mL	Gravimetric
	CAS # 606-20-2.SEC	(Lot GE01)			+/-	12.0228	µg/mL	Unstressed
	Purity 99%				+/-	19.1278	µg/mL	Stressed
45	3-Nitroaniline		1,002.4	µg/mL	+/-	5.8415	µg/mL	Gravimetric
	CAS # 99-09-2.SEC	(Lot FGN03)			+/-	11.9893	µg/mL	Unstressed
	Purity 99%				+/-	19.0745	µg/mL	Stressed
46	Acenaphthene		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 83-32-9.SEC	(Lot BWZJE)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
47	2,4-Dinitrophenol		2,005.3	µg/mL	+/-	11.6588	µg/mL	Gravimetric
	CAS # 51-28-5.SEC	(Lot YTR6B)			+/-	23.9712	µg/mL	Unstressed
	Purity 98%				+/-	38.1498	µg/mL	Stressed
48	Dibenzofuran		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 132-64-9.SEC	(Lot 27ZGC)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
49	4-Nitrophenol		2,005.6	µg/mL	+/-	11.6607	µg/mL	Gravimetric
	CAS # 100-02-7.SEC	(Lot H75QG)			+/-	23.9751	µg/mL	Unstressed
	Purity 99%				+/-	38.1560	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 121-14-2.SEC	(Lot SHRSA)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 58-90-2.SEC	(Lot LRAC4175)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
52	Fluorene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 86-73-7.SEC	(Lot 10342200)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
53	n-Hexadecane (C16)		1,001.6	µg/mL	+/-	5.8368	µg/mL	Gravimetric
	CAS # 544-76-3.SEC	(Lot A0328141)			+/-	11.9797	µg/mL	Unstressed
	Purity 99%				+/-	19.0593	µg/mL	Stressed
54	Diethylphthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 84-66-2.SEC	(Lot UMBJC)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,000.4	µg/mL	+/-	5.8298	µg/mL	Gravimetric
	CAS # 7005-72-3.SEC	(Lot P31G)			+/-	11.9652	µg/mL	Unstressed
	Purity 98%				+/-	19.0361	µg/mL	Stressed

56	4-Nitroaniline		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 100-01-6.SEC	(Lot 5ITRC)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,009.4	µg/mL	+/-	11.6828	µg/mL	Gravimetric
	CAS # 534-52-1.SEC	(Lot DR11288300)			+/-	24.0205	µg/mL	Unstressed
	Purity 99%				+/-	38.2283	µg/mL	Stressed
58	Diphenylamine		851.0	µg/mL	+/-	4.9592	µg/mL	Gravimetric
	CAS # 122-39-4.SEC	(Lot 10164691)			+/-	10.1785	µg/mL	Unstressed
	Purity 99%				+/-	16.1935	µg/mL	Stressed
59	Azobenzene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 103-33-3.SEC	(Lot JUWAG)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 101-55-3.SEC	(Lot 84C6D)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
61	Hexachlorobenzene		1,001.0	µg/mL	+/-	5.8333	µg/mL	Gravimetric
	CAS # 118-74-1.SEC	(Lot G137934)			+/-	11.9726	µg/mL	Unstressed
	Purity 99%				+/-	19.0478	µg/mL	Stressed
62	Pentachlorophenol		2,002.0	µg/mL	+/-	11.6398	µg/mL	Gravimetric
	CAS # 87-86-5.SEC	(Lot 8636800)			+/-	23.9320	µg/mL	Unstressed
	Purity 99%				+/-	38.0875	µg/mL	Stressed
63	n-Octadecane (C18)		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 593-45-3.SEC	(Lot G14U045)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
64	Phenanthrene		1,004.3	µg/mL	+/-	5.8526	µg/mL	Gravimetric
	CAS # 85-01-8.SEC	(Lot 8637000)			+/-	12.0121	µg/mL	Unstressed
	Purity 98%				+/-	19.1107	µg/mL	Stressed
65	Anthracene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 120-12-7.SEC	(Lot WDFNJ)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
66	Carbazole		1,004.8	µg/mL	+/-	5.8555	µg/mL	Gravimetric
	CAS # 86-74-8.SEC	(Lot 7MR7O)			+/-	12.0180	µg/mL	Unstressed
	Purity 99%				+/-	19.1202	µg/mL	Stressed
67	Di-n-butylphthalate		1,001.4	µg/mL	+/-	5.8357	µg/mL	Gravimetric
	CAS # 84-74-2.SEC	(Lot 42FSG)			+/-	11.9773	µg/mL	Unstressed
	Purity 99%				+/-	19.0555	µg/mL	Stressed
68	Fluoranthene		1,003.2	µg/mL	+/-	5.8462	µg/mL	Gravimetric
	CAS # 206-44-0.SEC	(Lot FREGF)			+/-	11.9989	µg/mL	Unstressed
	Purity 99%				+/-	19.0897	µg/mL	Stressed
69	Pyrene		1,004.2	µg/mL	+/-	5.8520	µg/mL	Gravimetric
	CAS # 129-00-0.SEC	(Lot ROVJC)			+/-	12.0108	µg/mL	Unstressed
	Purity 99%				+/-	19.1087	µg/mL	Stressed
70	Benzyl butyl phthalate		1,006.9	µg/mL	+/-	5.8675	µg/mL	Gravimetric
	CAS # 85-68-7.SEC	(Lot GX3GL)			+/-	12.0426	µg/mL	Unstressed
	Purity 98%				+/-	19.1592	µg/mL	Stressed
71	Benz(a)anthracene		1,002.3	µg/mL	+/-	5.8412	µg/mL	Gravimetric
	CAS # 56-55-3.SEC	(Lot MTENF)			+/-	11.9886	µg/mL	Unstressed
	Purity 98%				+/-	19.0734	µg/mL	Stressed

72	chrysene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 218-01-9.SEC	(Lot NICZC)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 117-81-7.SEC	(Lot MT8AG)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
74	Di-n-octyl phthalate		1,003.4	µg/mL	+/-	5.8473	µg/mL	Gravimetric
	CAS # 117-84-0.SEC	(Lot O8DLD)			+/-	12.0013	µg/mL	Unstressed
	Purity 99%				+/-	19.0935	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 205-99-2.SEC	(Lot I4OWH)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 207-08-9.SEC	(Lot 11288200)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
77	Benzo(a)pyrene		1,004.6	µg/mL	+/-	5.8543	µg/mL	Gravimetric
	CAS # 50-32-8.SEC	(Lot SLCD4874)			+/-	12.0156	µg/mL	Unstressed
	Purity 99%				+/-	19.1164	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,000.6	µg/mL	+/-	5.8310	µg/mL	Gravimetric
	CAS # 193-39-5.SEC	(Lot 022015)			+/-	11.9678	µg/mL	Unstressed
	Purity 99%				+/-	19.0402	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 53-70-3.SEC	(Lot 0012011)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,005.3	µg/mL	+/-	5.8585	µg/mL	Gravimetric
	CAS # 191-24-2.SEC	(Lot 0022012)			+/-	12.0241	µg/mL	Unstressed
	Purity 96%				+/-	19.1299	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

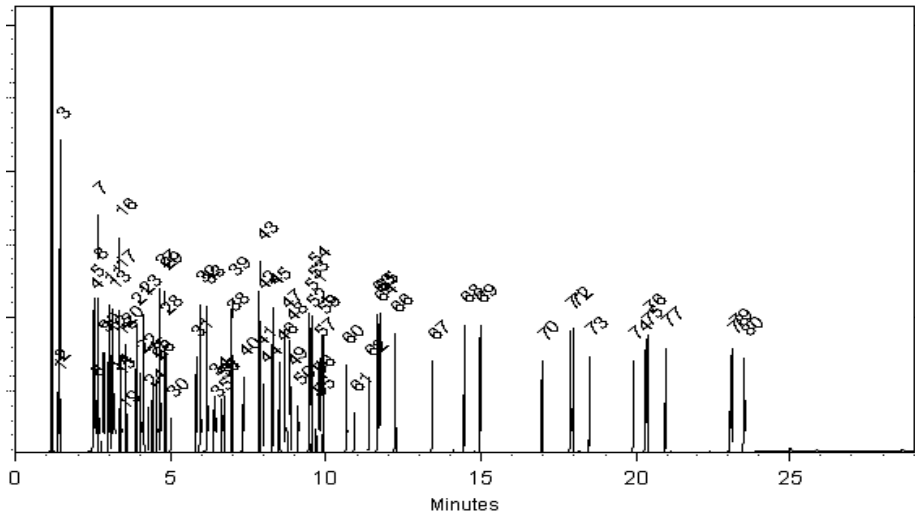
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Matt Fragassi - Mix Technician

Date Mixed: 02-Mar-2021 **Balance:** 1128342314

Marlina Cowan - Operations Tech I

Date Passed: 11-Mar-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSS_8270_SURR_00004

Certificate of Analysis

EPA 8270 Surrogate Standard

Certified Reference Material

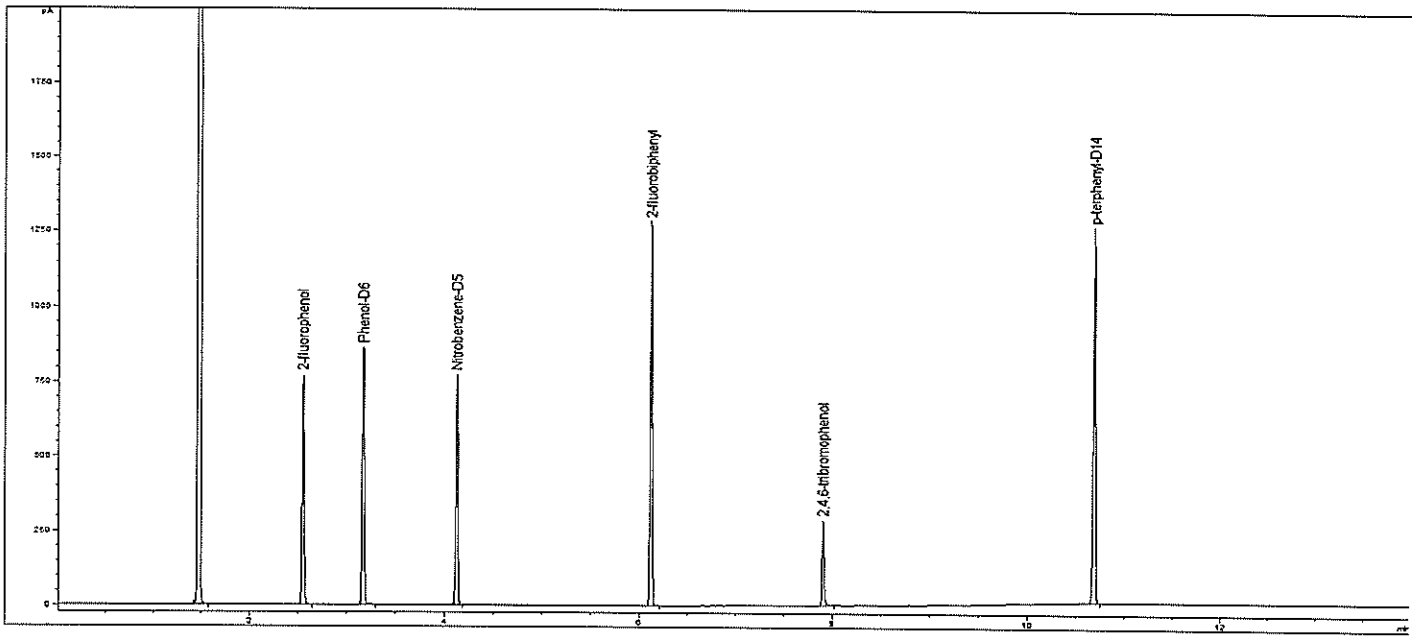
Description

Product ID CRM47960
Lot LRAC8467
Expiration Date October 2023
Manufacturing Date October 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	4003 ± 110	µg/mL	99.9	01	LB92543	367-12-4
PHENOL-D6	4002 ± 75	µg/mL	99.5	02	MBBC6771	13127-88-3
NITROBENZENE-D5	4001 ± 50	µg/mL	99.9	03	LB83753	4165-60-0
2-FLUOROBIPHENYL	4001 ± 79	µg/mL	99.9	04	MKCK0527	321-60-8
2,4,6-TRIBROMOPHENOL	4004 ± 92	µg/mL	99.7	05	LB81262	118-79-6
P-TERPHENYL-D14	4047 ± 131	µg/mL	99.5	06	PR-27278/121715	1718-51-0

Informational Values



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 270 °C, Injection Volume: 1.0 µL
Injection Mode: Split, Split Ratio: 40: 1
Temperature Program: 100 °C (Hold 1 min) @ 20 °C/min to 280 °C (Hold 4 min)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@millipore sigma.com www.sigma-aldrich.com

Reagent

MSS_AB_14DIOX_00007

CERTIFIED WEIGHT REPORT

Part Number: 70373
Lot Number: 121619
Description: 1,4-Dioxane

Expiration Date: 121624
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 200.0

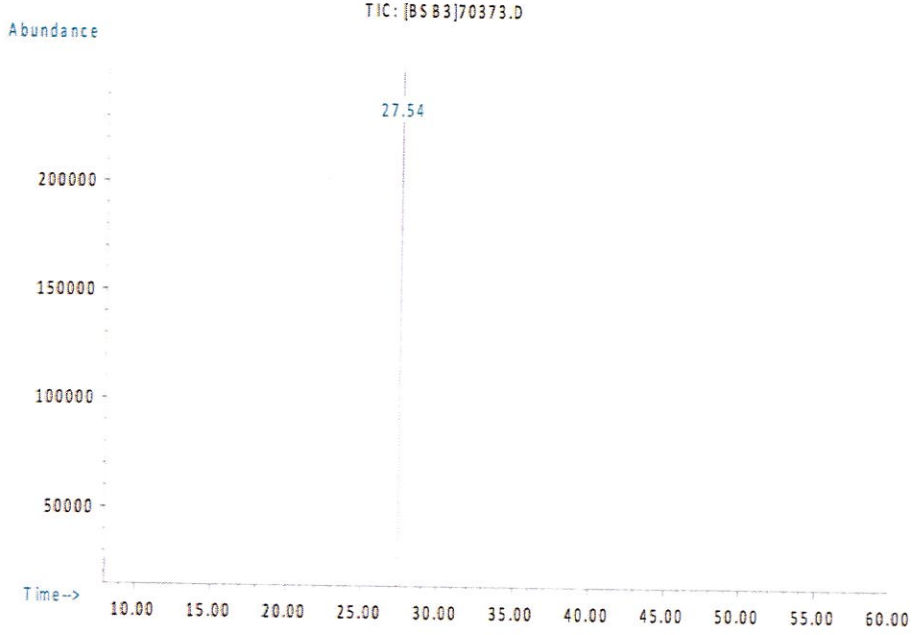
Solvent: Methanol **Lot#** DV182-US

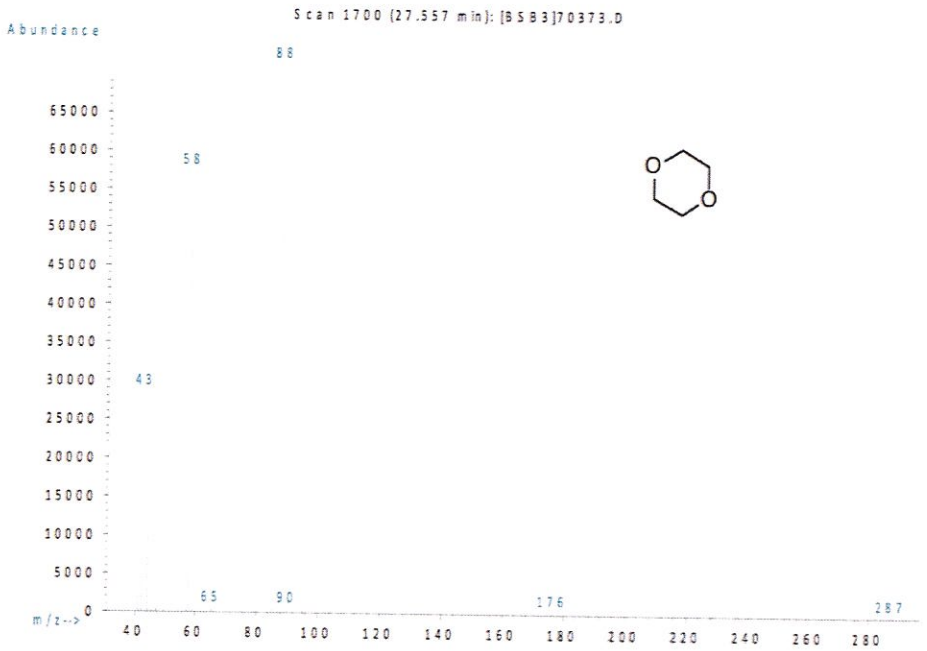
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Eli Aliaga	121619 DATE
Reviewed By:	Pedro L. Rentas	121619 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	1,4-Dioxane	373	03853KE	1000	99	0.2	0.20201	0.20220	1000.9	4.1	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_24DNP_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

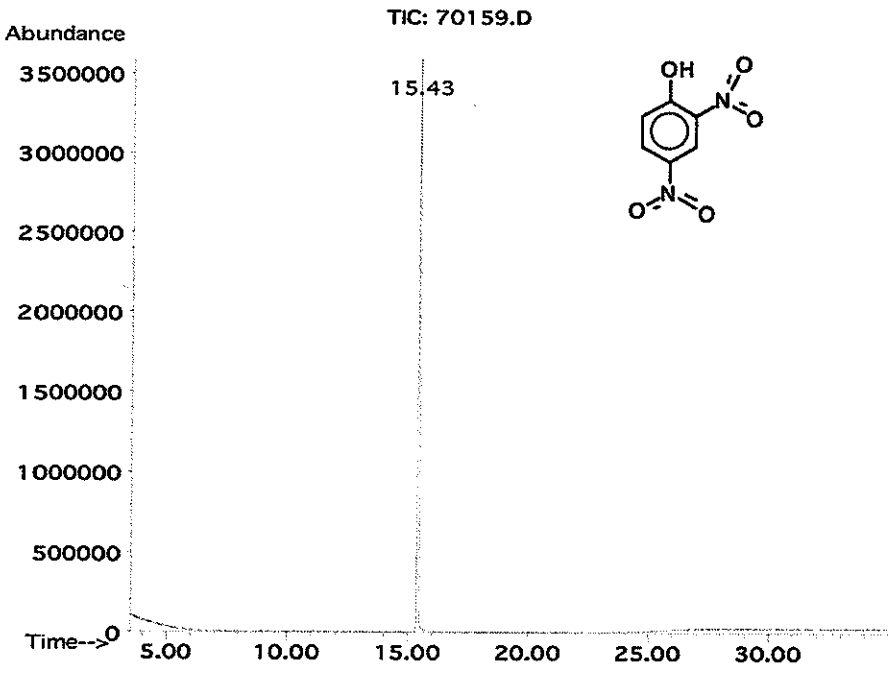
CERTIFIED WEIGHT REPORT

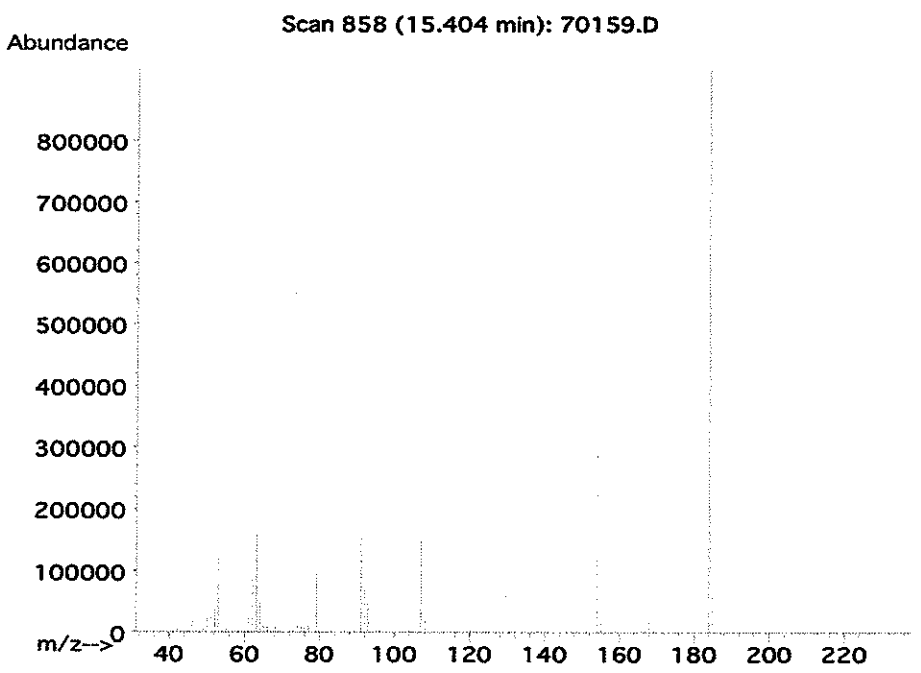
Part Number:	70159		**Solvent(s):**	**Lot#**
Lot Number:	090518		Methanol	DT140
Description:	2,4-Dinitrophenol			
Expiration Date:	090523			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	1000			
NIST Test ID#:	2684186	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	100.0	0.001	Flask Uncertainty	

Eli Aliaga	090518	
Formulated By: Eli Aliaga	DATE	
Pedro Rentas	090518	
Reviewed By: Pedro L. Rentas	DATE	

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,4-Dinitrophenol	159	032516	1000	98	0.2	0.10205	0.10213	1000.8	4.2	51-28-5	N/A	orl-rat 30mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Melissa Stonier.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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_46D2MP_00004

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70158
Lot Number: 111919
Description: 4,6-Dinitro-2-methylphenol

Solvent(s): **Lot#**
Methanol DV182-US

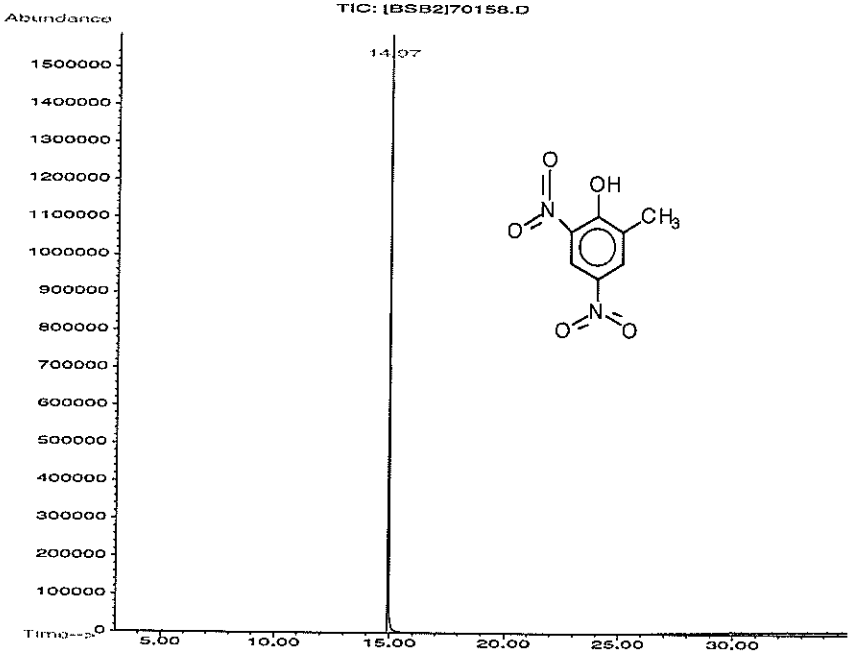
Expiration Date: 111924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

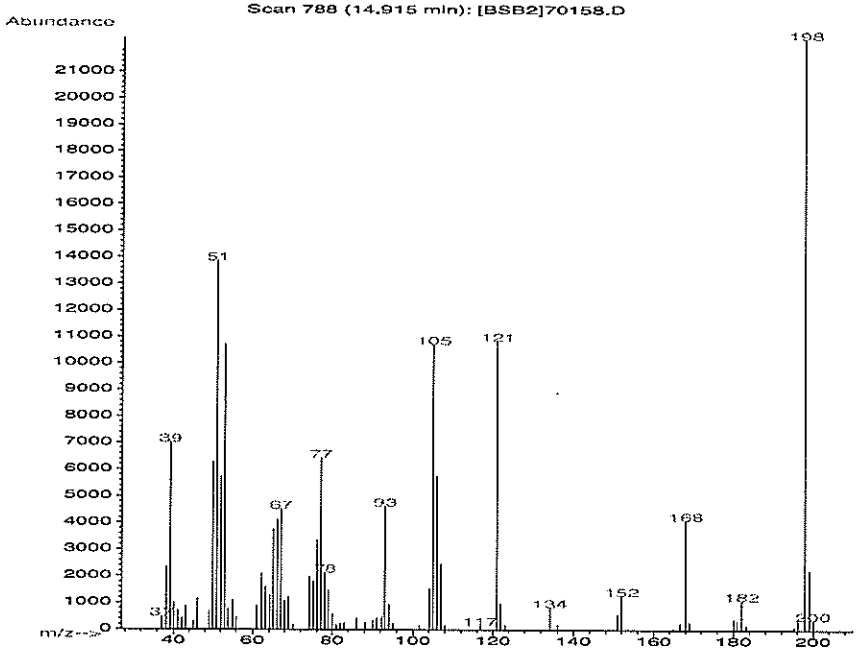
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.007 Flask Uncertainty

		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/m3/8H (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.





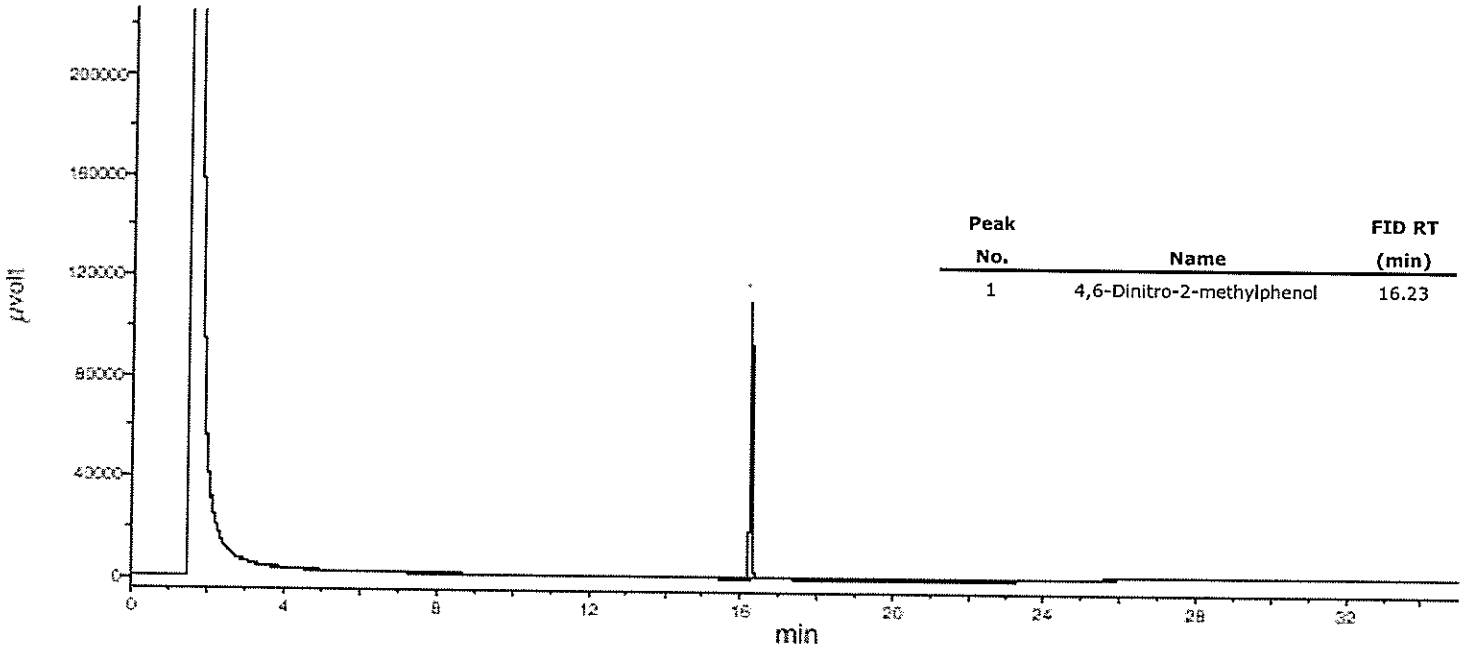
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 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

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 072418
Description: 4-Nitrophenol

Solvent(s): Methanol **Lot#** DS526

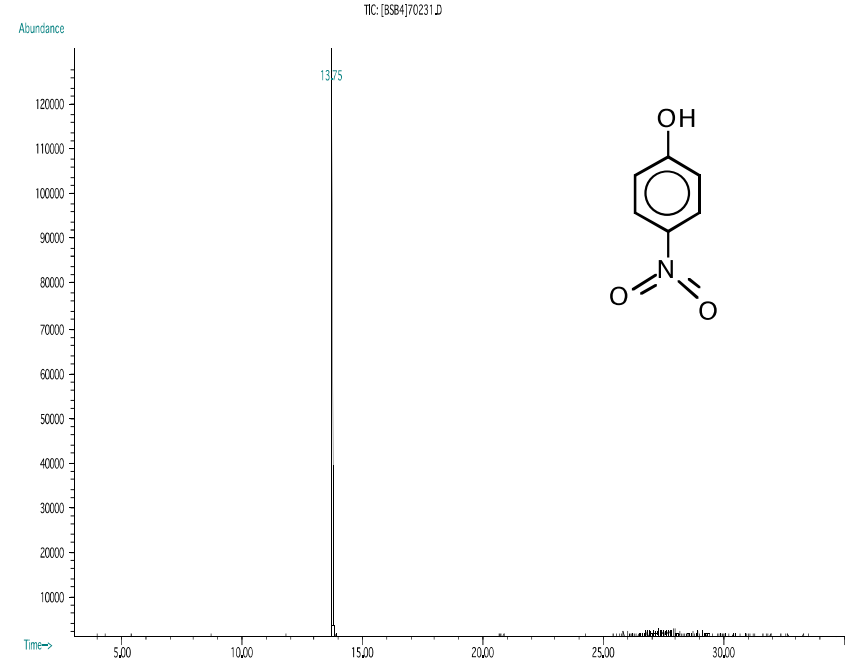
Expiration Date: 072423
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Flask Uncertainty

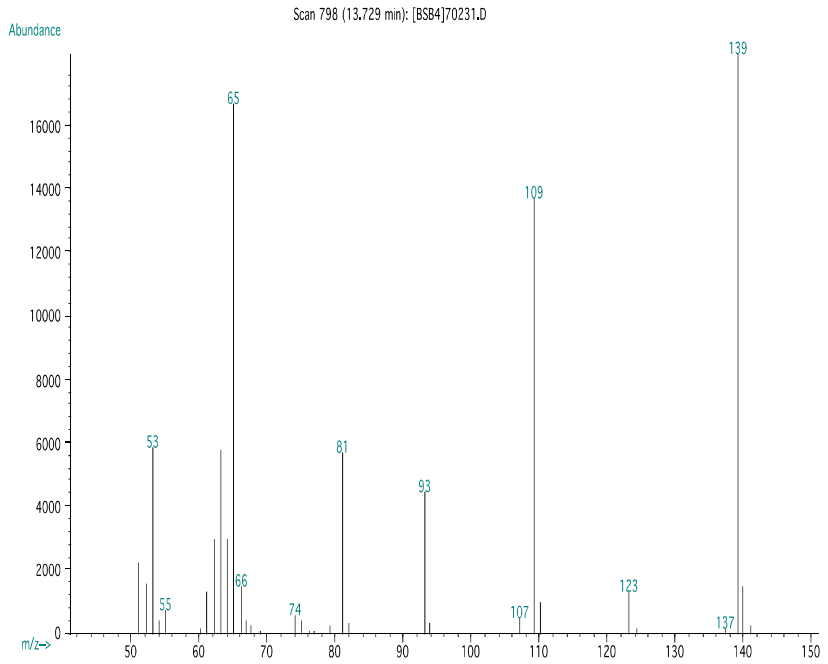
Formulated By: Eli Aliaga 072418 DATE

Reviewed By: Pedro L. Rentas 072418 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4-Nitrophenol	231	FGM01	1000	99	0.2	0.10102	0.10109	1000.7	4.2	100-02-7	N/A	orl-rat 250mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

MSS_AB_B2CEE_00005

CERTIFIED WEIGHT REPORT

Part Number: 70075
Lot Number: 062419
Description: bis(2-Chloroethyl) ether

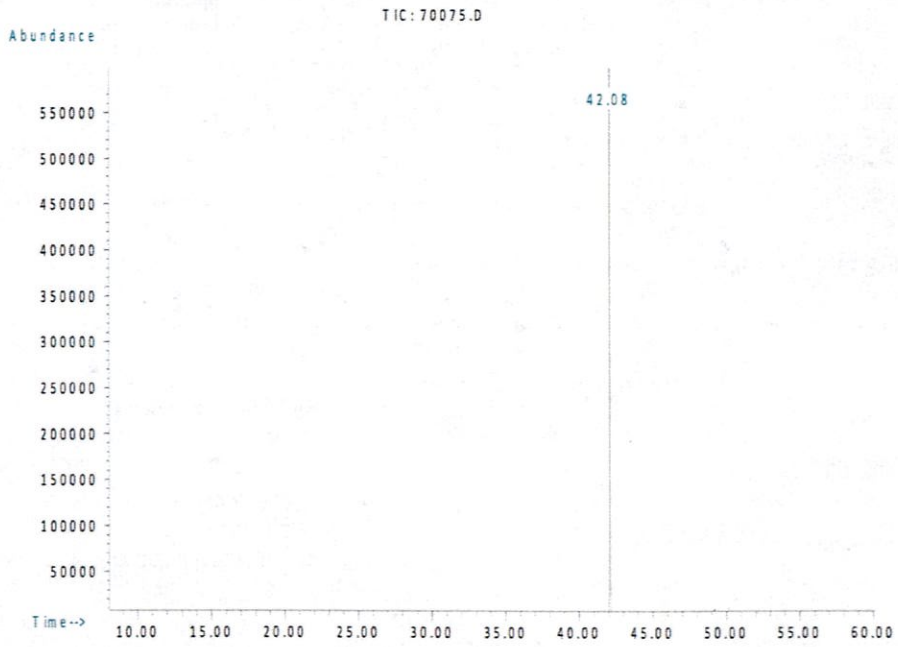
Solvent(s): **Lot#**
Methanol DU230-US

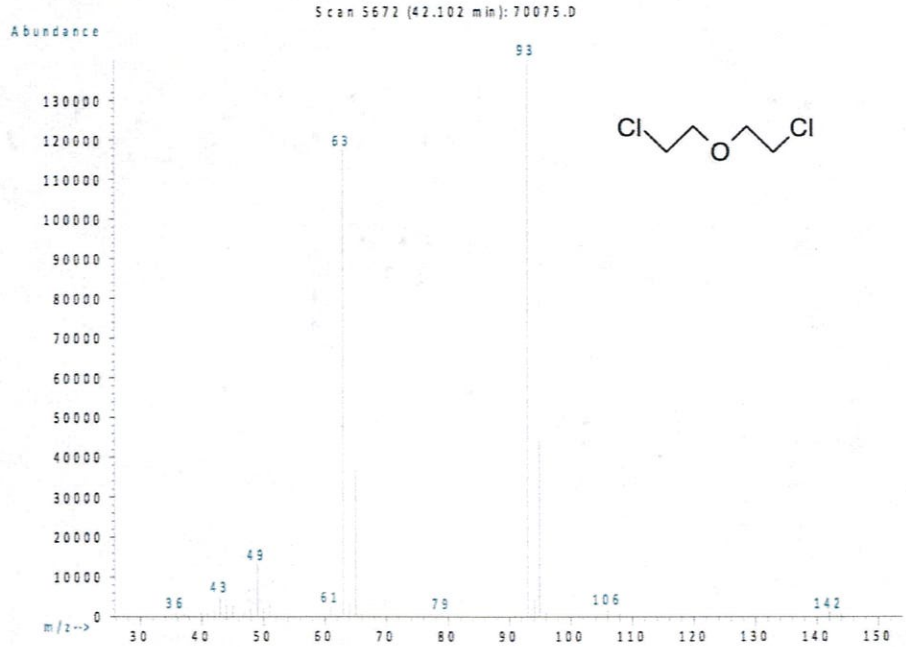
Expiration Date: 062424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.002 Flask Uncertainty

Formulated By:	Gabriel Helland	062419 DATE
Reviewed By:	Pedro L. Rentas	062419 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	bis(2-Chloroethyl) ether	75	SHBJ2059	1000	99.8	0.2	0.03004	0.03006	1000.6	5.2	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg

Method: GC16MSD1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

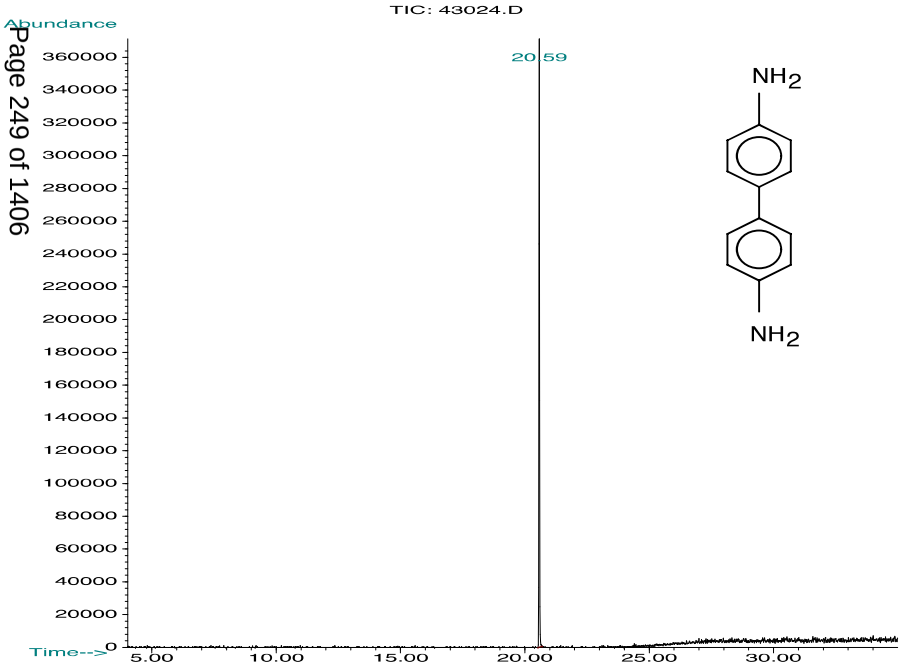
CERTIFIED WEIGHT REPORT

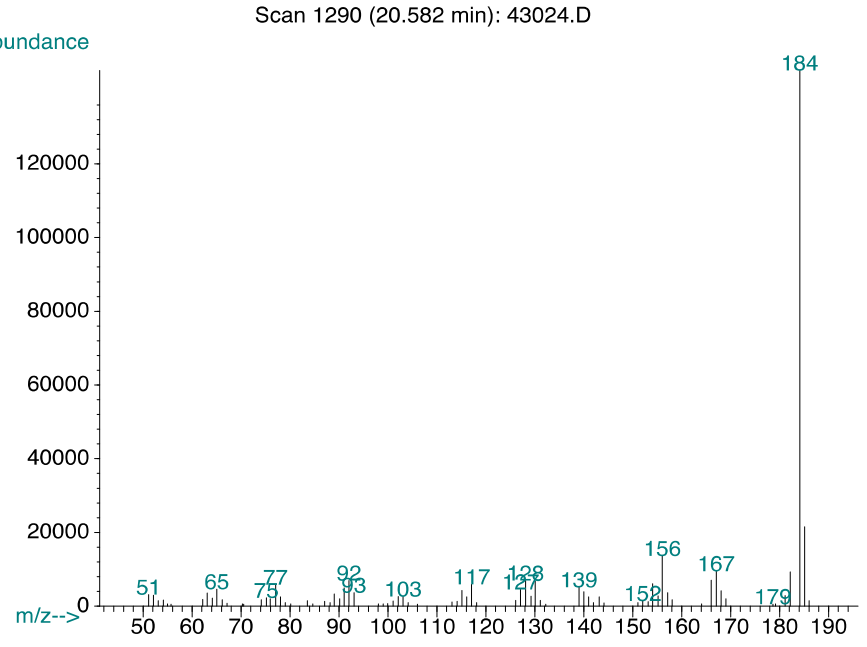
Part Number:	**43124**	**Solvent:**	**Lot#**	
Lot Number:	012920	Methylene chloride	104929	
Description:	Benzidine			
Expiration Date:	012923			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	5000			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	30.0	0.002	Flask Uncertainty	

Eli Aliaga		012920
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		012920
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15318	0.15320	5000.7	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





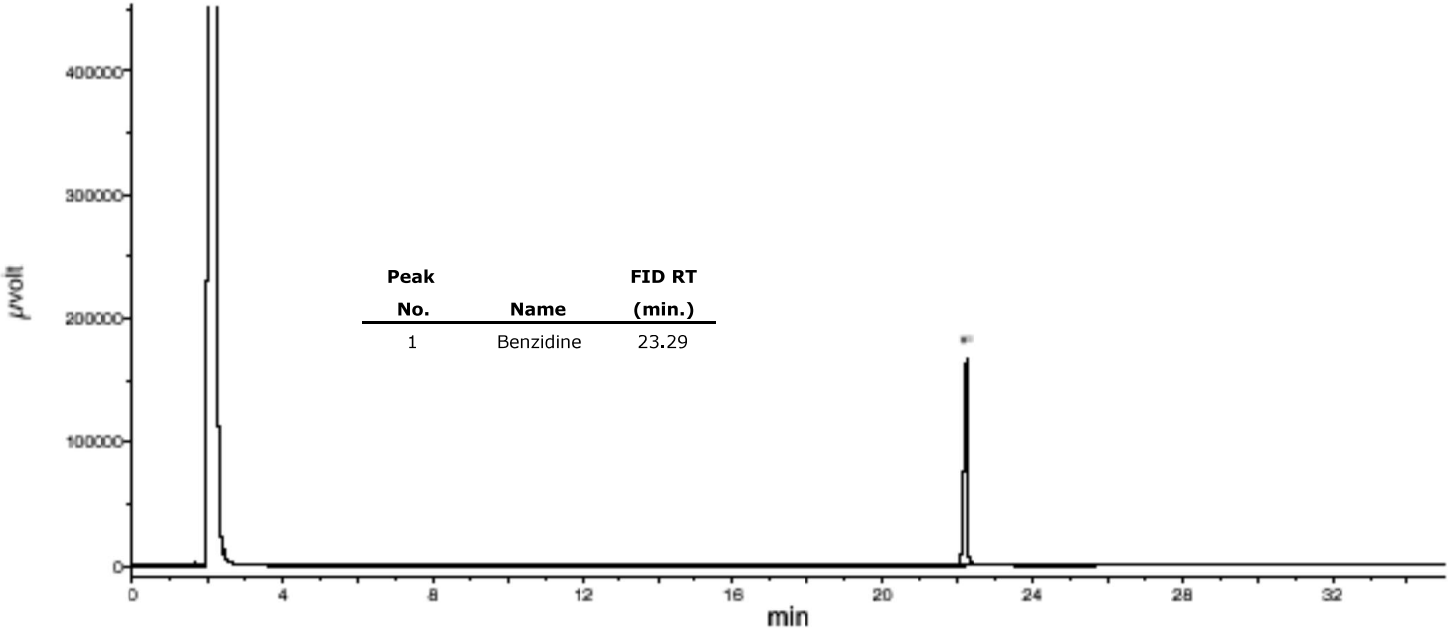
- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Run 63, "P43124 L012920 [5000µg/mL in MeCl2]"

Run Length: 31.55 min, 18929 points at 10 points/second.
Created: Fri, Jan 31, 2020 at 11:15:27 AM.
Sampled: Sequence "012820-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 6



Peak No.	Name	FID RT (min.)
1	Benzidine	23.29

Reagent

MSS_AB_DFTPP_00013

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	**43030**	**Solvent(s):**	**Lot#**
Lot Number:	112519	Methylene chloride	102968
Description:	CLP Semi-Volatile Tuning Standard		
	4 components		
Expiration Date:	112522		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	500		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	

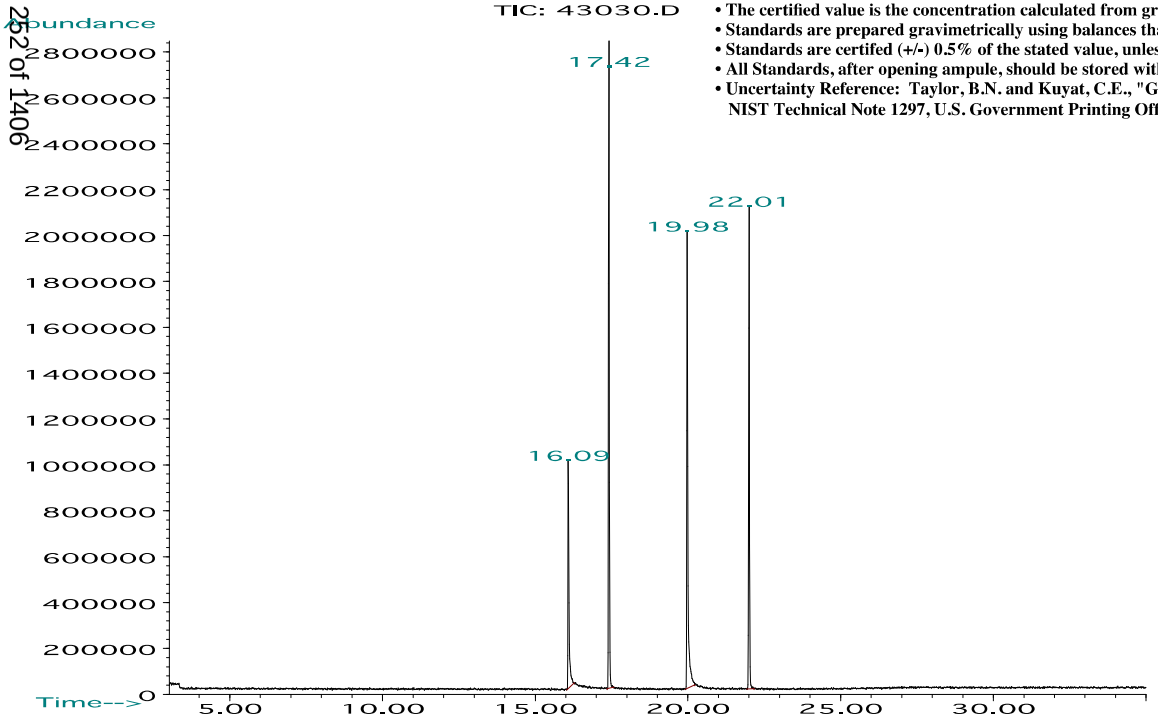
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Eli Aliaga	112519
Formulated By: Eli Aliaga	DATE
Pedro Rentas	112519
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	0.10220	500.7	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10115	500.6	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10325	500.7	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10220	500.7	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

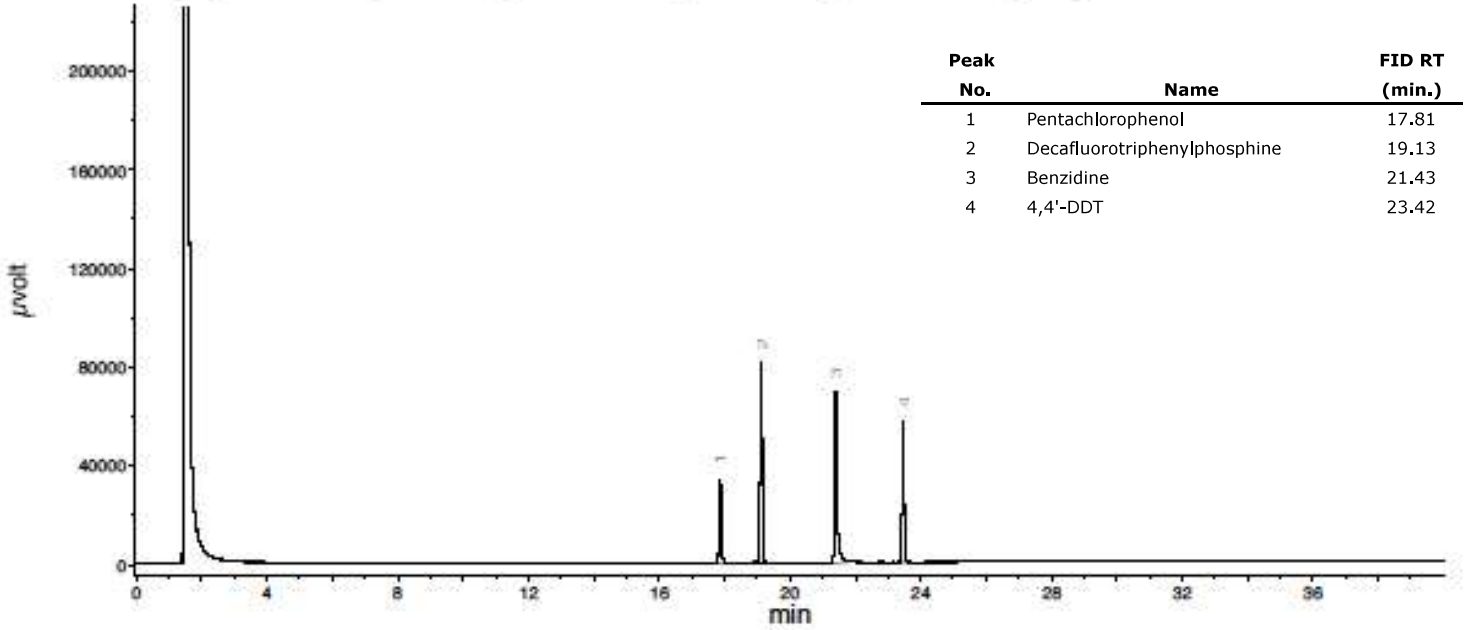
Retention Time (min.)	
Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Run 37, "P43030 L112519 [500µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Fri, Nov 29, 2019 at 5:44:25 PM.
Sampled: Sequence "112819-GC4M2", Method "GC4-M2".
Analyzed using Method "GC4-M2".

Comments

GC4-M2 Analysis by Melissa Stonier
Column ID SPB-5 L#60062-01A 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Peak No.	Name	FID RT (min.)
1	Pentachlorophenol	17.81
2	Decafluorotriphenylphosphine	19.13
3	Benzidine	21.43
4	4,4'-DDT	23.42

Reagent

MSS_AB_HCB_00008

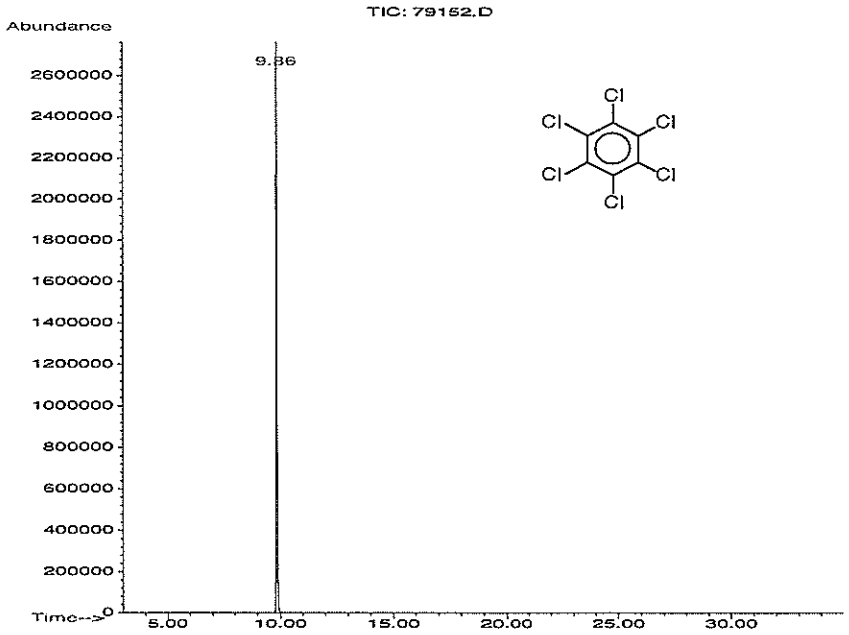
CERTIFIED WEIGHT REPORT

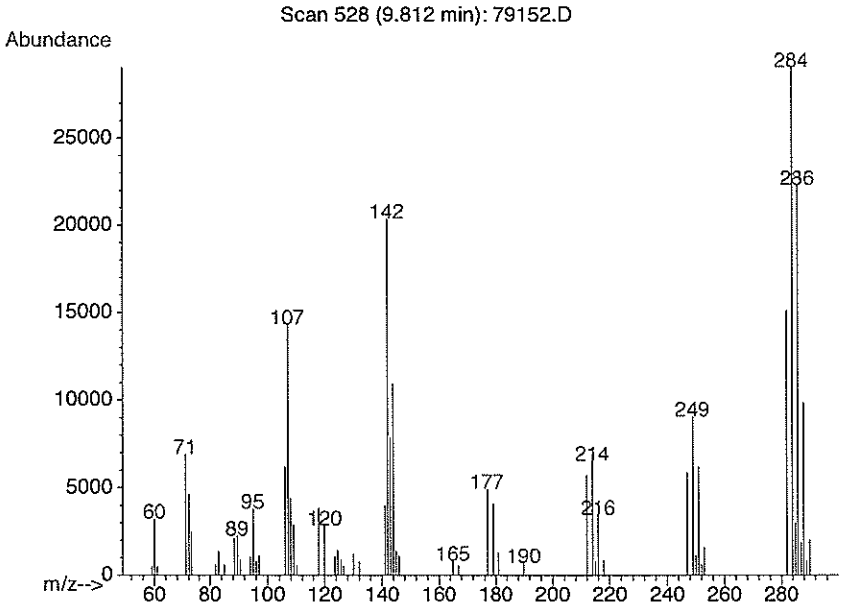
Part Number:	79152	**Solvent(s):**	**Lot#**
Lot Number:	060519	Methylene chloride	102968
Description:	Hexachlorobenzene		
Expiration Date:	060524		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	30.0	0.002 Flask Uncertainty	

		060519
Formulated By:	Prashant Chauhan	DATE
		060519
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Hexachlorobenzene	195	051697	1000	99	0.2	0.03033	0.03050	1005.7	5.2	118-74-1	N/A	orl-rat 10g/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_NITROS_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

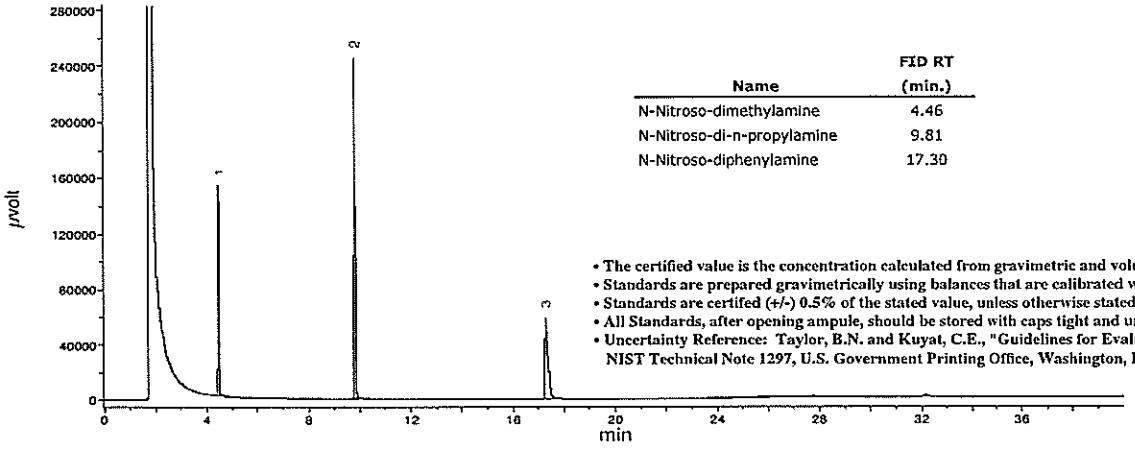
CERTIFIED WEIGHT REPORT

Part Number:	19222	**Solvent(s):**	**Lot#**
Lot Number:	042320	Methanol	DX932-US
Description:	EPA Method 8070 - Nitrosamines		
	3 components		
Expiration Date:	042323		
Recommended Storage:	Freezer (0 °C)		
Nominal Concentration (µg/mL):	2000		
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL):	25.0	0.002	Flask Uncertainty

		042320
Formulated By:	Mario Luis	DATE
		042320
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. 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	17.39

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

MSS_AB_PAHSTD_00009

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

20
volume unit

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 93462
Lot Number: 060518
Description: PAH Standard
30 components
Expiration Date: 060523
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186

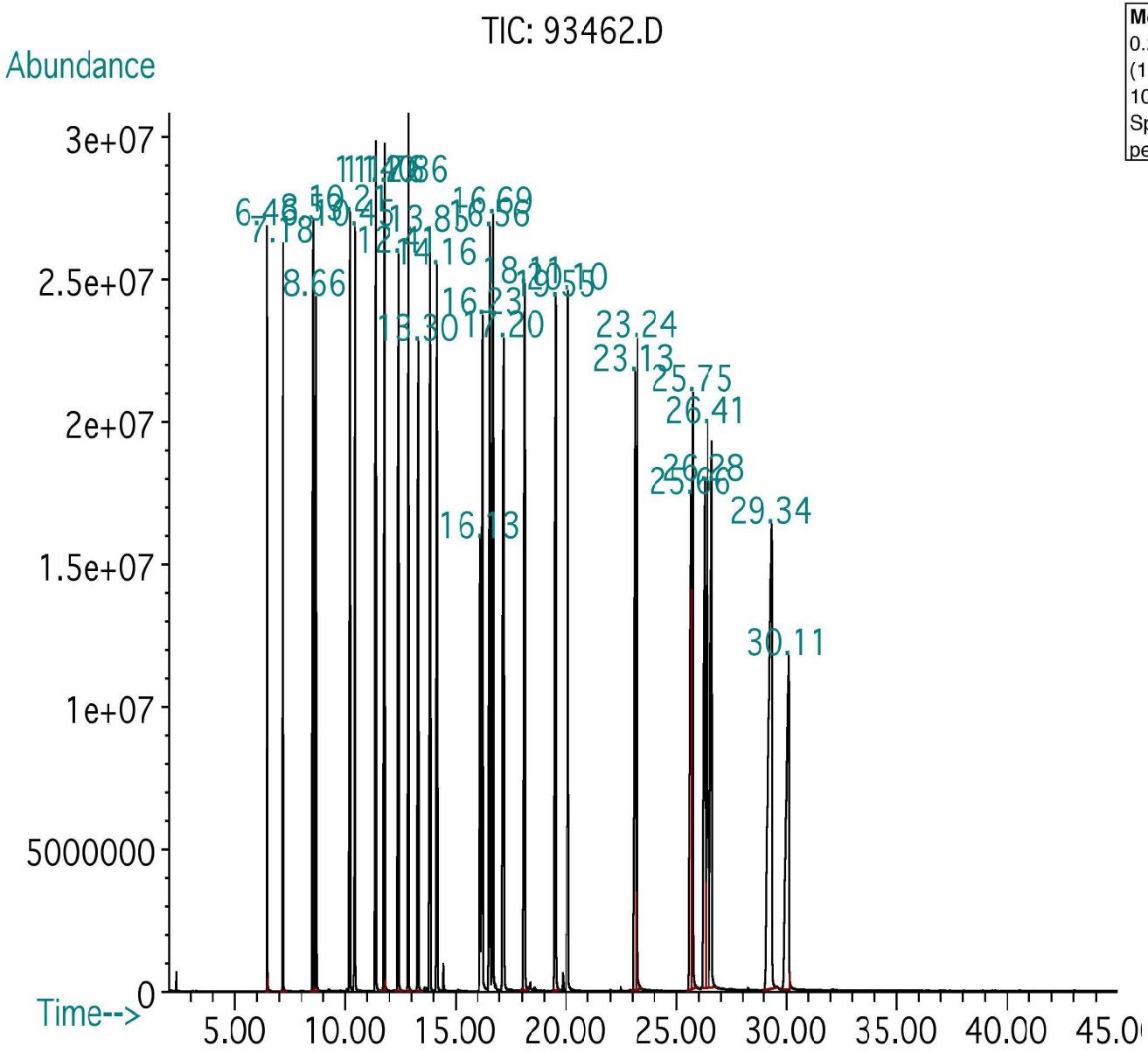
Solvent(s): Methylene chloride **Lot#** 76782

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Mario Luis	060518 DATE
Reviewed By:	Pedro L. Rentas	060518 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	10007	060118	0.50	10.00	0.006	2000.1	1000.8	4.2	83-32-9	N/A	ipr-rat 600mg/kg
2.	Acenaphthylene	10007	060118	0.50	10.00	0.006	2000.2	1000.8	4.2	208-96-8	N/A	N/A
3.	Anthracene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4.	Benzo(a)anthracene	10007	060118	0.50	10.00	0.006	2000.9	1001.2	4.2	56-55-3	N/A	N/A
5.	Benzo(a)pyrene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6.	Benzo(b)fluoranthene	10007	060118	0.50	10.00	0.006	2000.7	1001.1	4.2	205-99-2	N/A	N/A
7.	Benzo(k)fluoranthene	10007	060118	0.50	10.00	0.006	2000.6	1001.0	4.2	207-08-9	N/A	N/A
8.	Benzo(g,h,i)perylene	10007	060118	0.50	10.00	0.006	2000.4	1000.9	4.2	191-24-2	N/A	N/A
9.	Carbazole	10007	060118	0.50	10.00	0.006	2000.7	1001.1	4.3	86-74-8	N/A	ipr-mus 200mg/kg
10.	Chrysene	10007	060118	0.50	10.00	0.006	2000.4	1001.0	4.3	218-01-9	0.2mg/m3	N/A
11.	Dibenzo(a,h)anthracene	10007	060118	0.50	10.00	0.006	2000.5	1001.0	4.2	53-70-3	0.2mg/m3	N/A
12.	Fluoranthene	10007	060118	0.50	10.00	0.006	2000.5	1001.0	4.3	206-44-0	N/A	orl-rat 2000mg/kg
13.	Fluorene	10007	060118	0.50	10.00	0.006	2000.4	1001.0	4.3	86-73-7	N/A	ipr-mus 2 g/kg
14.	Indeno(1,2,3-cd)pyrene	10007	060118	0.50	10.00	0.006	2000.3	1000.9	4.2	193-39-5	N/A	N/A
15.	Naphthalene	10007	060118	0.50	10.00	0.006	2000.8	1001.2	4.2	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16.	Phenanthrene	10007	060118	0.50	10.00	0.006	2000.8	1001.2	4.2	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17.	Pyrene	10007	060118	0.50	10.00	0.006	2000.0	1000.8	4.3	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18.	Benzo(e)pyrene	94851	031416	0.50	10.00	0.006	2001.9	1001.7	4.3	192-97-2	N/A	N/A
19.	Biphenyl	94851	031416	0.50	10.00	0.006	2000.7	1001.1	4.3	92-52-4	0.2 ppm(1mg/m3/8H)	orl-rat 2400mg/kg
20.	Decalin (49% cis, 51% trans)	94851	031416	0.50	10.00	0.006	2002.1	1001.8	4.4	91-17-8	N/A	N/A
21.	Dibenzofuran	94851	031416	0.50	10.00	0.006	2001.3	1001.4	4.4	132-64-9	N/A	N/A
22.	Dibenzothiophene	94851	031416	0.50	10.00	0.006	2001.3	1001.4	4.4	132-65-0	N/A	orl-mus 470 mg/kg
23.	2,6-Dimethylnaphthalene	94851	031416	0.50	10.00	0.006	2004.9	1003.2	4.4	581-42-0	N/A	N/A
24.	1-Methylnaphthalene	94851	031416	0.50	10.00	0.006	2003.5	1002.5	4.4	90-12-0	N/A	orl-rat 1840mg/kg
25.	2-Methylnaphthalene	94851	031416	0.50	10.00	0.006	2006.1	1003.8	4.4	91-57-6	N/A	orl-rat 1630mg/kg
26.	1-Methylphenanthrene	94851	031416	0.50	10.00	0.006	2004.4	1002.9	10.2	832-69-9	N/A	N/A
27.	Pentachlorophenol	94851	031416	0.50	10.00	0.006	2006.6	1004.0	4.4	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
28.	Perylene	94851	031416	0.50	10.00	0.006	2002.1	1001.8	4.4	198-55-0	N/A	N/A
29.	Thianaphthene	94851	031416	0.50	10.00	0.006	2003.9	1002.7	4.4	95-15-8	N/A	N/A
30.	2,3,5-Trimethylnaphthalene	94851	031416	0.50	10.00	0.006	2002.9	1002.2	4.5	2245-38-7	N/A	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**



Method GC8MSD-2Long: Column:SPB-5 (30m X 0.25mm ID X 0.25μm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.

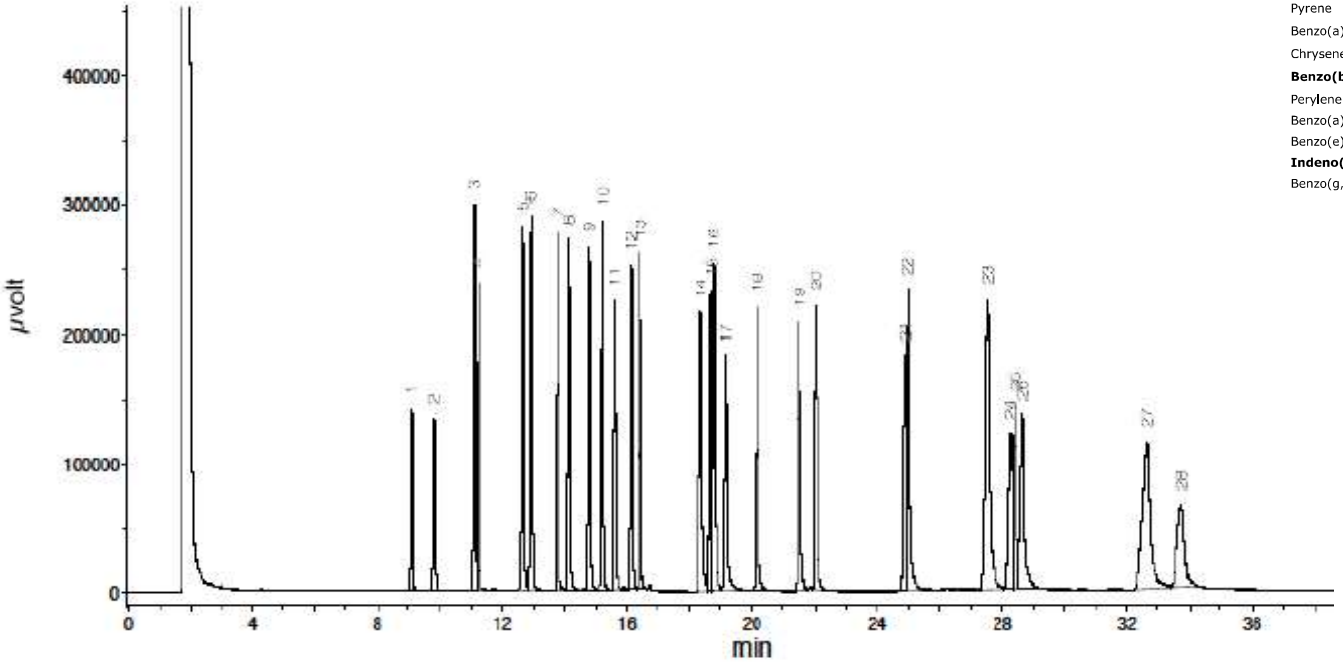
Retention Time (min.)	
Decahydronaphthalene (Decalin) (isomer)	6.46
Decahydronaphthalene (Decalin) (isomer)	7.18
Naphthalene	8.53
Thianaphthene	8.66
2-Methylnaphthalene	10.21
1-Methylnaphthalene	10.45
Biphenyl	11.4
2,6-Dimethylnaphthalene	11.76
Acenaphthylene	12.41
Acenaphthene	12.86
Dibenzofuran	13.3
2,3,5-Trimethylnaphthalene	13.85
Fluorene	14.16
Pentachlorophenol	16.13
Dibenzothiophene	16.23
Phenanthrene	16.56
Anthracene	16.69
Carbazole	17.2
1-Methylphenanthrene	18.11
Fluoranthene	19.55
Pyrene	20.1
Benzo(a)anthracene	23.13
Chrysene	23.24
Benzo(b)fluoranthene	25.66
Benzo(k)fluoranthene	25.75
Perylene	26.28
Benzo(a)pyrene	26.41
Benzo(e)pyrene	26.61
Indeno(1,2,3-cd)pyrene	29.34
Dibenzo(a,h)anthracene	29.34
Benzo(g,h,i)perylene	30.11

Run 3, "P93462 L060518 [1000µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Wed, Jun 6, 2018 at 1:01:41 PM.
Sampled: Sequence "060618-GC9M2", Method "GC9-M2".
Analyzed using Method "GC9-M2".

Comments

GC9-M2 Analysis by Candice Warren
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 4



Name	FID RT (min.)
Decahydronaphthalene (Decalin) (isomer)	9.10
Decahydronaphthalene (Decalin) (isomer)	9.81
Naphthalene	11.10
Thianaphthene	11.23
2-Methylnaphthalene	12.67
1-Methylnaphthalene	12.93
Biphenyl	13.77
2,6-Dimethylnaphthalene	14.13
Acenaphthylene	14.78
Acenaphthene	15.22
Dibenzofuran	15.59
2,3,5-Trimethylnaphthalene	16.12
Fluorene	16.41
Pentachlorophenol/Dibenzothiophene	**18.36**
Phenanthrene	18.66
Anthracene	18.77
Carbazole	19.15
1-Methylphenanthrene	20.14
Fluoranthene	21.50
Pyrene	22.03
Benzo(a)anthracene	24.89
Chrysene	24.99
Benzo(b)fluoranthene/Benzo(k)fluoranthene	**27.54**
Perylene	28.26
Benzo(a)pyrene	28.40
Benzo(e)pyrene	28.65
Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	**32.63**
Benzo(g,h,i)perylene	33.73

Reagent

MSS_AB_PHTHAL_00004

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **19242**
Lot Number: 102720
Description: EPA Method 606 - Phthalate Esters
6 components
Expiration Date: 102723
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060

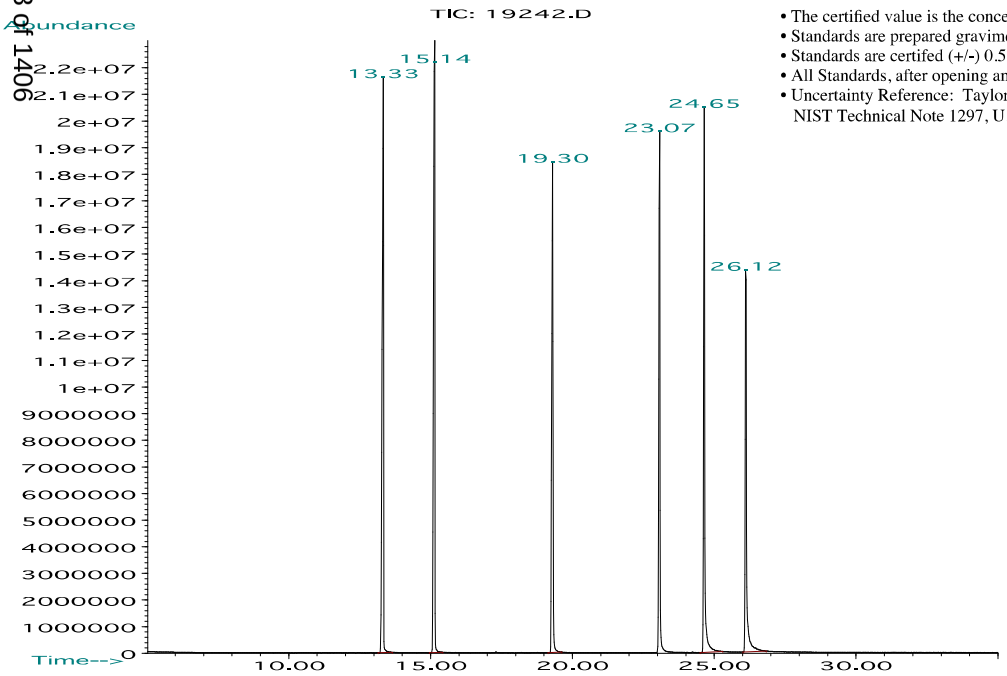
Solvent(s): **Lot#**
Methanol DX932-US

		102720
Formulated By:	Benson Chan	DATE
		102720
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	bis(2-Ethylhexyl) phthalate	179	05312JE	2000	99	0.2	0.05051	0.05059	2003.1	9.0	117-81-7	5mg/m3/8H	orl-rat 30000mg/kg
2.	Di-n-butyl phthalate	58	09119LX	2000	99	0.2	0.05051	0.05059	2003.1	9.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
3.	Dimethyl phthalate	157	07416AT	2000	99	0.2	0.05051	0.05080	2011.4	9.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
4.	Benzyl butyl phthalate	36	MKBH8959V	2000	98	0.2	0.05103	0.05110	2002.8	9.1	85-68-7	N/A	orl-rat 2330mg/kg
5.	Diethyl phthalate	154	10517MW	2000	99	0.2	0.05051	0.05062	2004.3	9.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
6.	Di-n-octyl phthalate	107	FIE01	2000	99	0.2	0.05051	0.05057	2002.3	9.0	117-84-0	N/A	orl-rat 47000mg/kg

Method GC8MSD-3.M: Column: SPB-5 (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1 min.), Temp 2 = 300°C 9 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C.Split Ratio = 100:1, Sample Rate=2. 0.5µL Standard injection Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Peak No.	Name	MSD RT (min.)
1	Dimethyl phthalate	13.33
2	Diethyl phthalate	15.14
3	Di-n-butyl phthalate	19.30
4	Benzyl butyl phthalate	23.07
5	bis(2-Ethylhexyl) phthalate	24.65
6	Di-n-octyl phthalate	26.12

Reagent

MSS_AB_QUIN_00006

CERTIFIED WEIGHT REPORT

Part Number: **70353**
Lot Number: 060419
Description: Quinoline

Expiration Date: 060422
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

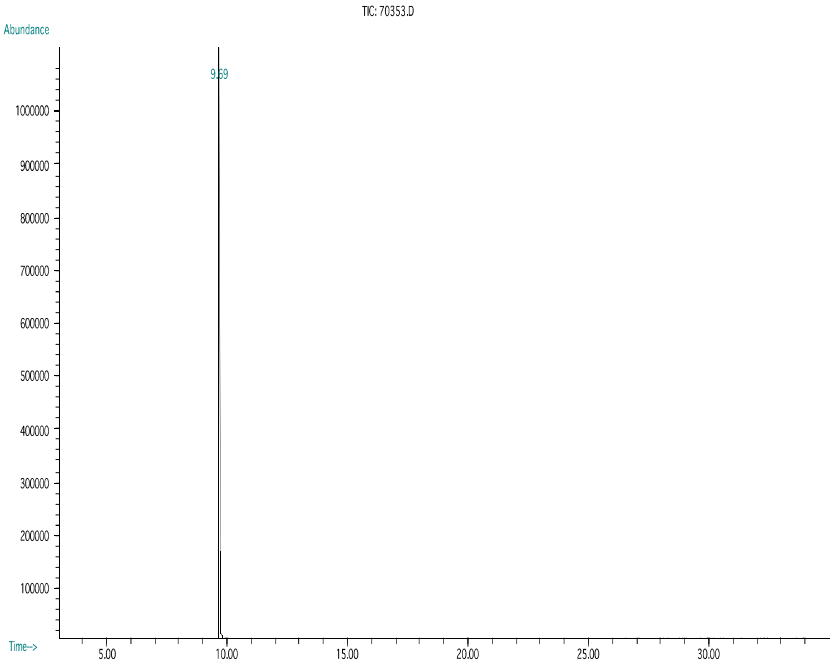
Solvent(s): **Lot#**
Methylene chloride 102968

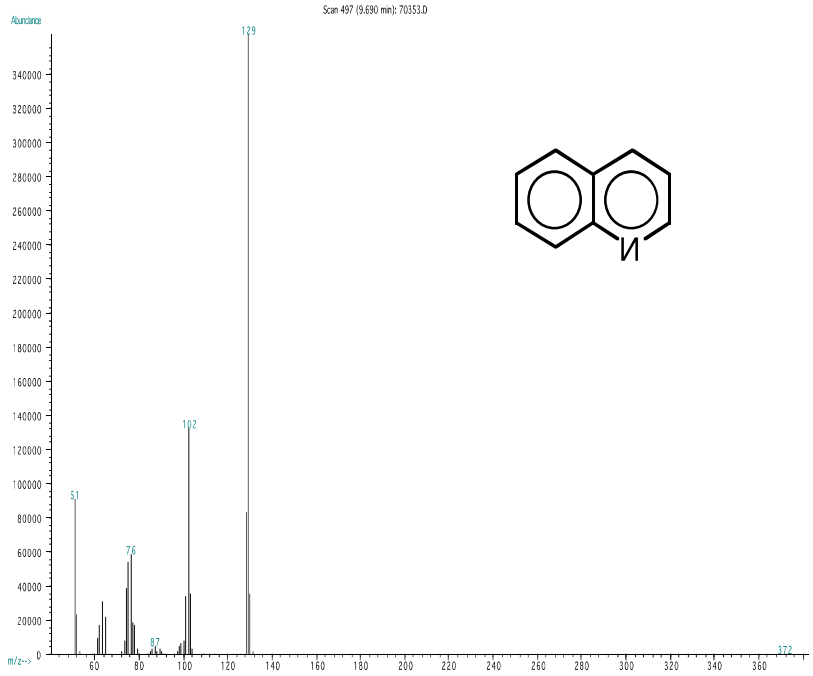
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Formulated By: Prashant Chauhan	060419 DATE
Reviewed By: Pedro L. Rentas	060419 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Quinoline	353	01501KY	1000	98	0.2	0.20411	0.20440	1001.4	4.2	91-22-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





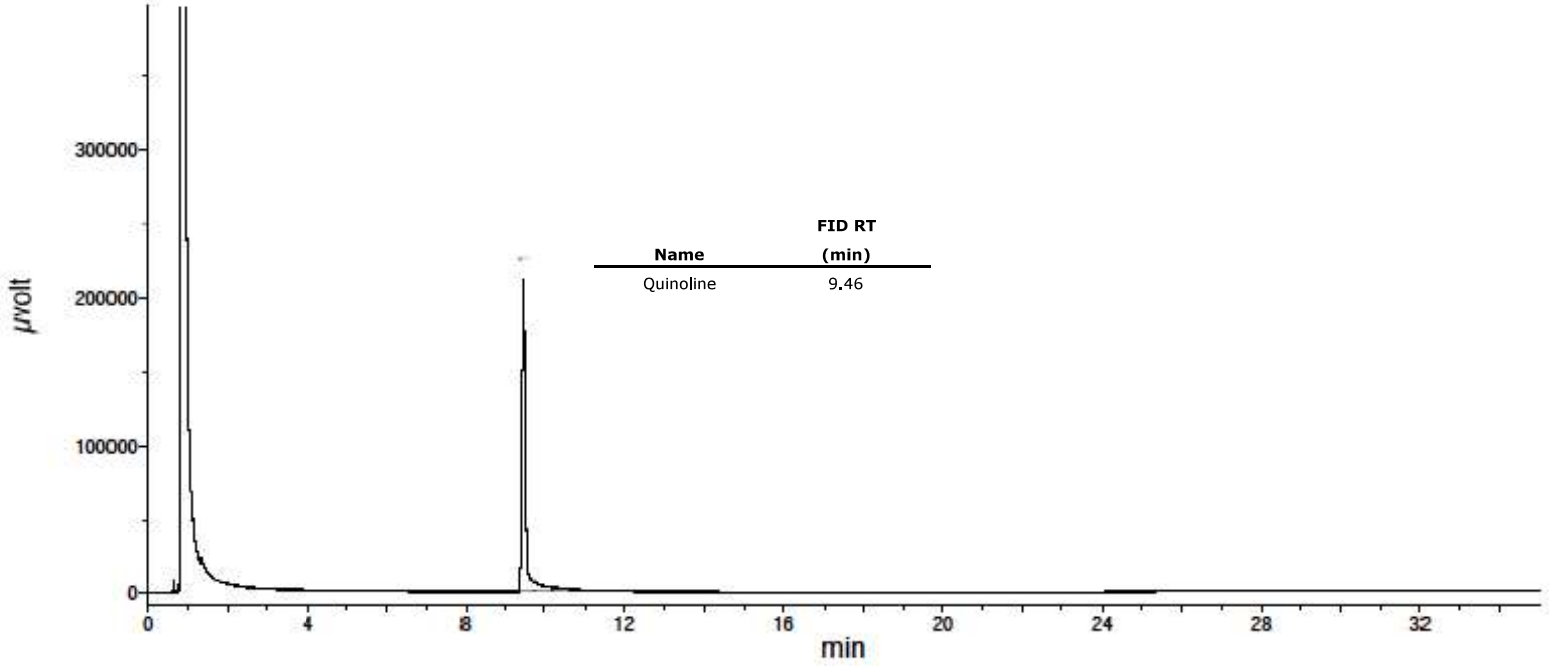
- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Run 19, "P70353 L060419 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Wed, Jun 5, 2019 at 1:07:08 AM.
Sampled: Sequence "060419-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Candice Warren
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Reagent

MSS_FV8270_IS_00005

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Composition

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 576940 **Lot No.:** A0166482

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

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

Expiration Date : November 30, 2023 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4	1,001.3 µg/mL	+/- 5.8215	µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-30447)		+/- 45.0977	µg/mL	Unstressed
	Purity 99%		+/- 50.0414	µg/mL	Stressed
2	Naphthalene-d8	1,003.7 µg/mL	+/- 5.8358	µg/mL	Gravimetric
	CAS # 1146-65-2 (Lot M-1452)		+/- 45.2087	µg/mL	Unstressed
	Purity 99%		+/- 50.1647	µg/mL	Stressed
3	Acenaphthene-d10	1,005.7 µg/mL	+/- 5.8474	µg/mL	Gravimetric
	CAS # 15067-26-2 (Lot PR-30913)		+/- 45.2988	µg/mL	Unstressed
	Purity 99%		+/- 50.2646	µg/mL	Stressed
4	Phenanthrene-d10	1,006.9 µg/mL	+/- 5.8540	µg/mL	Gravimetric
	CAS # 1517-22-2 (Lot PR-29119)		+/- 45.3499	µg/mL	Unstressed
	Purity 99%		+/- 50.3213	µg/mL	Stressed
5	Pyrene-d10	1,008.7 µg/mL	+/- 5.8649	µg/mL	Gravimetric
	CAS # 1718-52-1 (Lot PR-30304)		+/- 45.4340	µg/mL	Unstressed
	Purity 99%		+/- 50.4146	µg/mL	Stressed
6	Perylene-d12	1,004.0 µg/mL	+/- 5.8373	µg/mL	Gravimetric
	CAS # 1520-96-3 (Lot PR-30020)		+/- 45.2208	µg/mL	Unstressed
	Purity 99%		+/- 50.1780	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

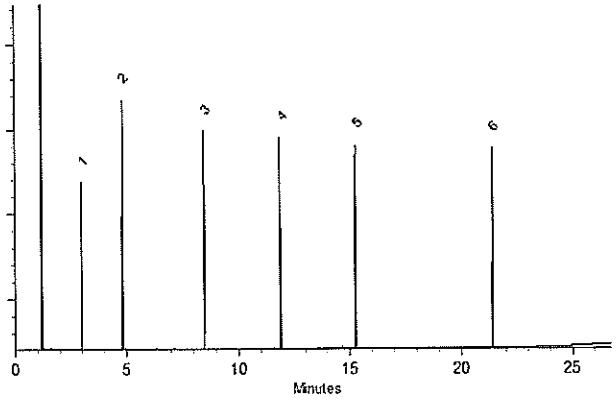
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Tom Suckar - Mix Technician

Date Mixed: 18-Nov-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 19-Nov-2020

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

Reagent

MSS_SIM_SURR_00006

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Gravimetric Certificate

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569089 **Lot No.:** A0168817

Description : Custom SIM Surrogates Standard

Custom SIM Surrogates Standard 1,000µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : January 31, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

C E R T I F I E D V A L U E S

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Methylnaphthalene-d10	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 38072-94-5 (Lot M-483)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed
2	Benzo(a)pyrene-d12	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 63466-71-7 (Lot PR-30235)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed
3	Fluoranthene-d10	1,004.0 µg/mL	+/- 10.1140 µg/mL	Gravimetric
	CAS # 93951-69-0 (Lot PR-20668)		+/- 45.9689 µg/mL	Unstressed
	Purity 99%		+/- 50.8532 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 05-Feb-2021 **Balance:** B442140311

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSS_SIMTEL_IS_00010

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31206 **Lot No.:** A0170322

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

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

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4		2,019.3 µg/mL	+/- 11.7406	µg/mL	Gravimetric
	CAS # 3855-82-1	(Lot PR-30447)		+/- 90.9520	µg/mL	Unstressed
	Purity 99%			+/- 100.9225	µg/mL	Stressed
2	Naphthalene-d8		2,015.3 µg/mL	+/- 11.7173	µg/mL	Gravimetric
	CAS # 1146-65-2	(Lot M-1452)		+/- 90.7718	µg/mL	Unstressed
	Purity 99%			+/- 100.7225	µg/mL	Stressed
3	Acenaphthene-d10		2,010.0 µg/mL	+/- 11.6863	µg/mL	Gravimetric
	CAS # 15067-26-2	(Lot PR-30913)		+/- 90.5316	µg/mL	Unstressed
	Purity 99%			+/- 100.4560	µg/mL	Stressed
4	Phenanthrene-d10		2,012.7 µg/mL	+/- 11.7018	µg/mL	Gravimetric
	CAS # 1517-22-2	(Lot PR-29119)		+/- 90.6517	µg/mL	Unstressed
	Purity 99%			+/- 100.5893	µg/mL	Stressed
5	Chrysene-d12		2,020.0 µg/mL	+/- 11.7445	µg/mL	Gravimetric
	CAS # 1719-03-5	(Lot PR-31391)		+/- 90.9820	µg/mL	Unstressed
	Purity 99%			+/- 100.9558	µg/mL	Stressed
6	Perylene-d12		2,018.0 µg/mL	+/- 11.7328	µg/mL	Gravimetric
	CAS # 1520-96-3	(Lot PR-30020)		+/- 90.8919	µg/mL	Unstressed
	Purity 99%			+/- 100.8558	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

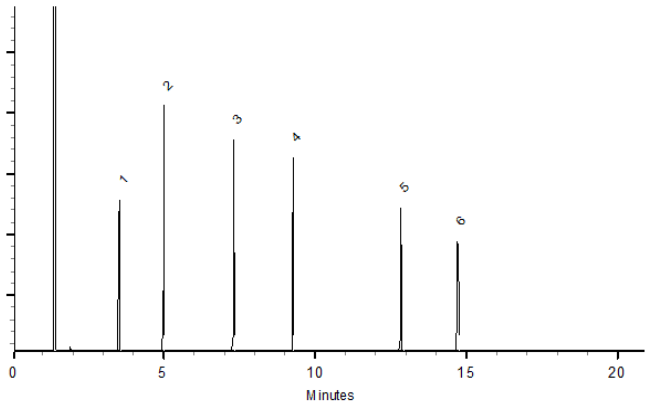
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Cory Meyer - Operations Tech I

Date Mixed: 18-Mar-2021 **Balance:** B345965662

Justine Albertson - Operations Tech-ARM QC

Date Passed: 23-Mar-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_4BFB_NEAT_00005

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

4-Bromofluorobenzene

CATALOG NUMBER	N-10809-1G
LOT NUMBER	11130200
DATE CERTIFIED	02/03/20
EXPIRATION DATE	02/28/25
CAS NUMBER	460-00-4
MOLECULAR FORMULA	C6H4BrF
MOLECULAR WEIGHT	175.00
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
GC/MS SPECTRA ID	MATCHES NIST
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	99.5
PHYSICAL APPEARANCE	COLORLESS LIQUID

LLR 2032
2-16-21

COA Form
Revision 3 (3/2015)

PJLA Testing

Print Date: 06/07/21

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

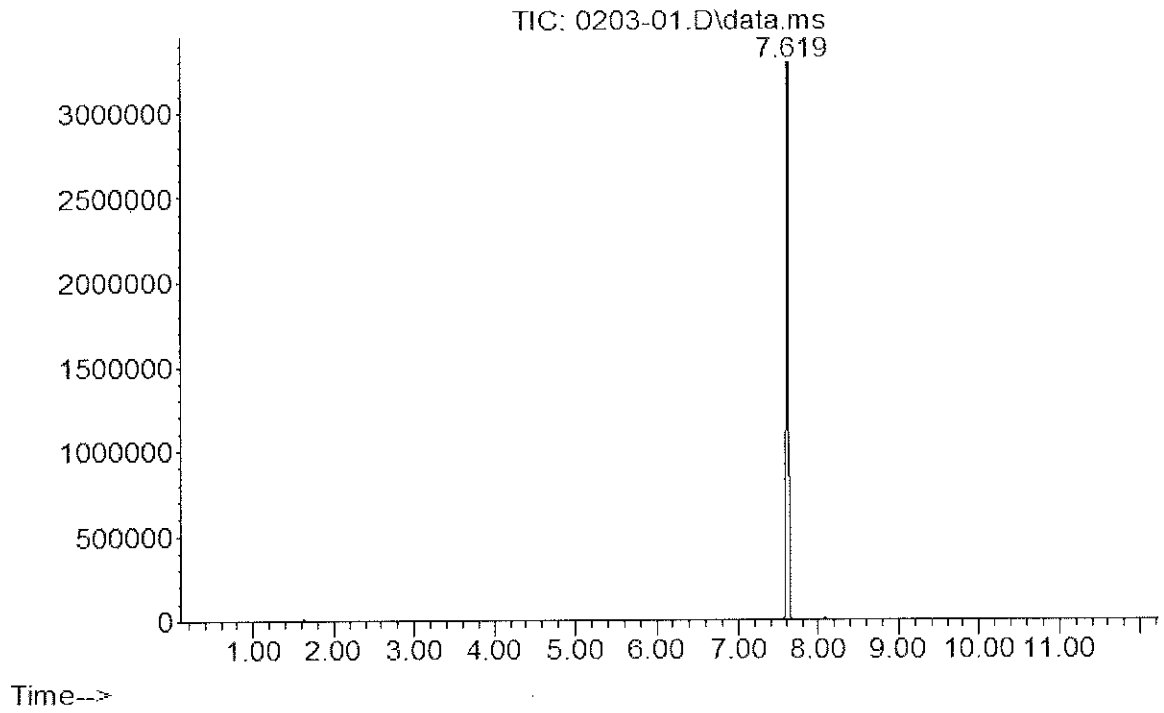
PJLA
Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



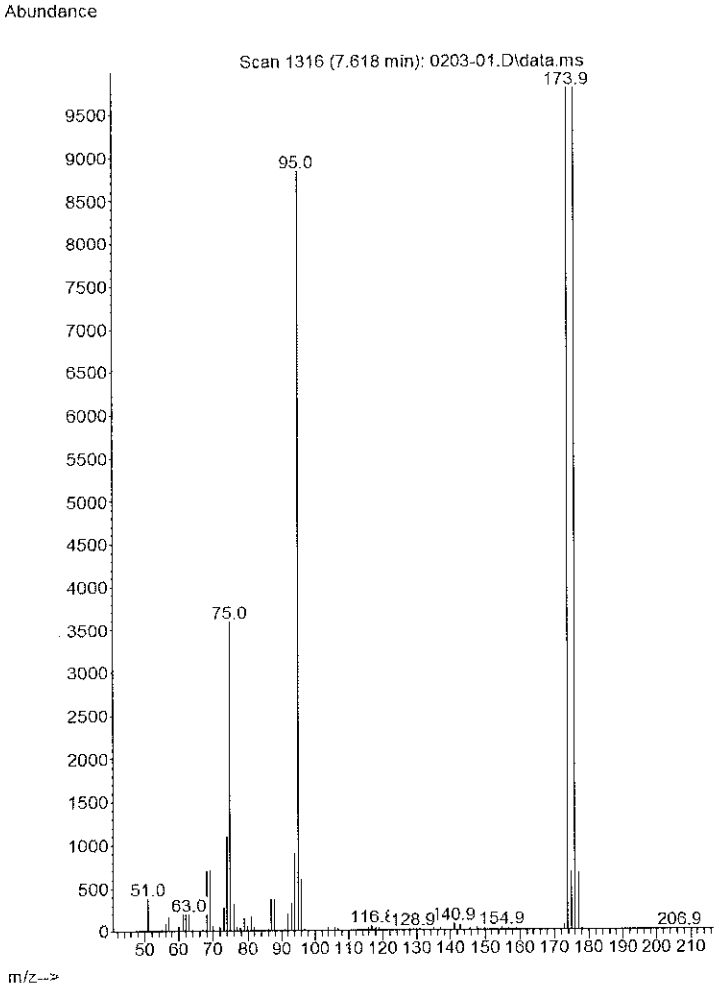
PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2020 DATA\0220\0203-01.D
Acq On : 3 Feb 2020 10:08
Operator :
Sample : N-10809
Misc :
ALS Vial : 96

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:METH1.M
Method : D:\msdchem\2020 DATA\0120\0122-03.D\M-CS5242M2.M

Signal : TIC: 0203-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.619	1306	1316	1331	BB	3424525	65045319	100.00%	100.000%

Sum of corrected areas: 65045319

M-CS5242M2.M Mon Feb 03 10:28:54 2020

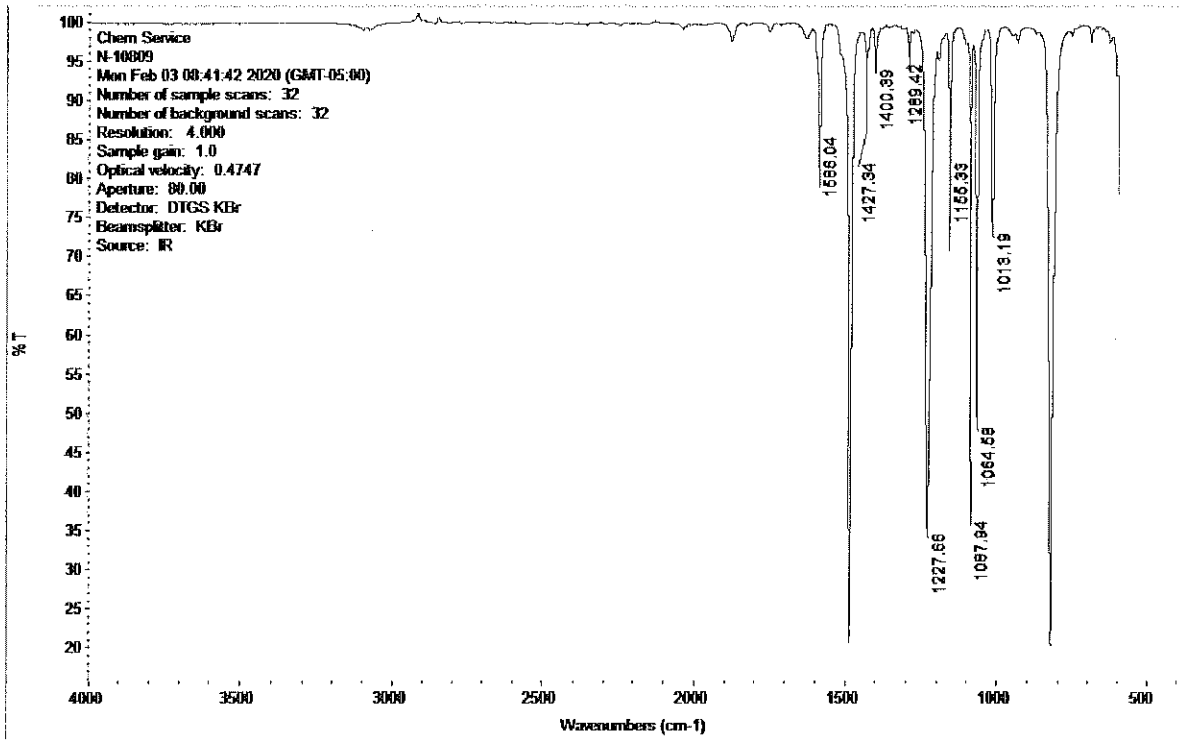
PJLA Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-10809-1G
Description:	4-Bromofluorobenzene
Lot Number:	11130200
Expiration Date:	02/28/25



PJLA
Testing

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

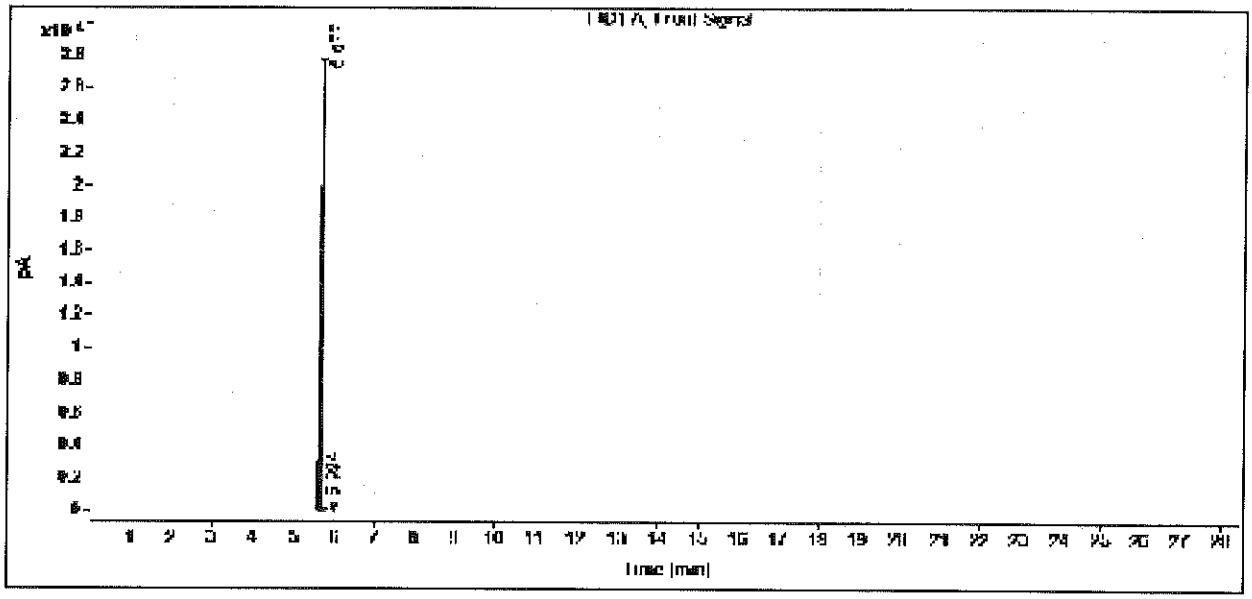
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\0220\013120 2020-01-31 16-11-28\141F0404.D

Sample name: N-10809

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	1/31/2020 10:29:42 PM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	Rxl-624Sil (30m x 0.32mm x 1.8um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.677	BB S	0.0413	82400.6016	27241.2129	99.7369
5.994	VB	0.0296	217.3697	117.5844	0.2631
		Sum	82617.9712		

PJLA Testing

Reagent

MSV_8260_SS_00528

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 55671 **Lot No.:** A0171410

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dibromofluoromethane	2,509.0 µg/mL	+/- 14.7242 µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 0012016)		+/- 140.6914 µg/mL	Unstressed
	Purity 99%		+/- 143.9827 µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,503.0 µg/mL	+/- 14.6890 µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/- 140.3549 µg/mL	Unstressed
	Purity 99%		+/- 143.6384 µg/mL	Stressed
3	Toluene-d8	2,501.5 µg/mL	+/- 14.6802 µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-31750)		+/- 140.2708 µg/mL	Unstressed
	Purity 99%		+/- 143.5523 µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,520.0 µg/mL	+/- 14.7888 µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 141.3082 µg/mL	Unstressed
	Purity 99%		+/- 144.6140 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)

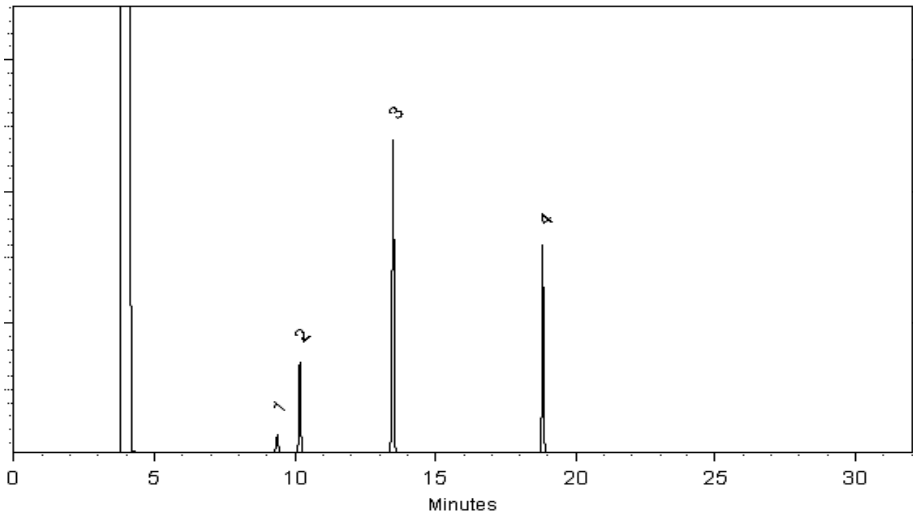
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 16-Apr-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 19-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_8260_SS_00654

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. : 30240 **Lot No.:** A0181656

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : February 28, 2027 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibromofluoromethane		2,504.8 µg/mL	+/- 14.6996 µg/mL		Gravimetric
	CAS # 1868-53-7	(Lot 012021)		+/- 140.4559 µg/mL		Unstressed
	Purity 99%			+/- 143.7417 µg/mL		Stressed
2	1,2-Dichloroethane-d4		2,506.4 µg/mL	+/- 14.7090 µg/mL		Gravimetric
	CAS # 17060-07-0	(Lot PR-29377)		+/- 140.5456 µg/mL		Unstressed
	Purity 99%			+/- 143.8335 µg/mL		Stressed
3	Toluene-d8		2,504.8 µg/mL	+/- 14.6996 µg/mL		Gravimetric
	CAS # 2037-26-5	(Lot PR-31958)		+/- 140.4559 µg/mL		Unstressed
	Purity 99%			+/- 143.7417 µg/mL		Stressed
4	1-Bromo-4-fluorobenzene (BFB)		2,510.4 µg/mL	+/- 14.7324 µg/mL		Gravimetric
	CAS # 460-00-4	(Lot 20401KO)		+/- 140.7699 µg/mL		Unstressed
	Purity 99%			+/- 144.0631 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)

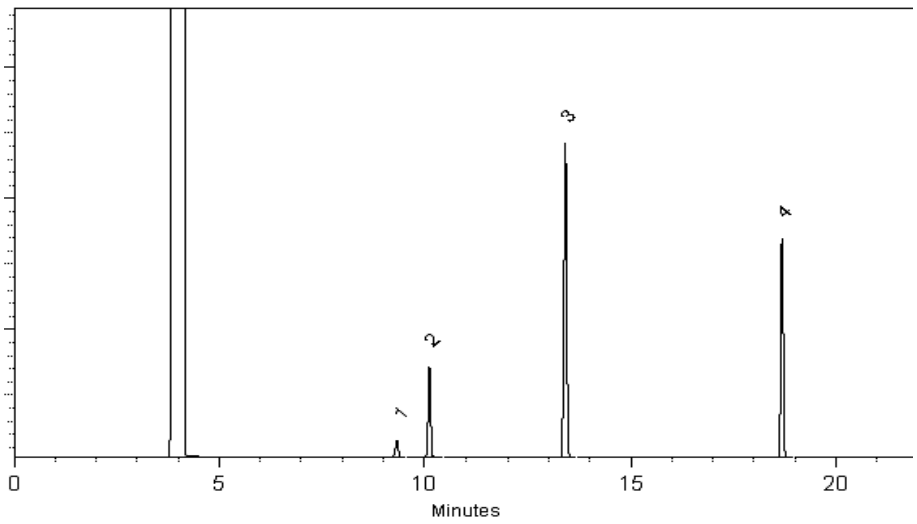
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

John Friedline - Operations Technician I

Date Mixed: 10-Feb-2022 **Balance:** B251644995

Marlina Cowan - Operations Tech I

Date Passed: 15-Feb-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_CCV_GASES_00194

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0172364

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L., K=2)		
1	Dichlorodifluoromethane (CFC-12)		2,001.0	µg/mL	+/- 15.5104	µg/mL	Gravimetric
	CAS # 75-71-8	(Lot 00012554)			+/- 112.6642	µg/mL	Unstressed
	Purity 99%				+/- 115.2788	µg/mL	Stressed
2	Chloromethane (methyl chloride)		2,000.2	µg/mL	+/- 19.3792	µg/mL	Gravimetric
	CAS # 74-87-3	(Lot SHBK6571)			+/- 113.2161	µg/mL	Unstressed
	Purity 99%				+/- 115.8161	µg/mL	Stressed
3	Vinyl chloride		2,003.2	µg/mL	+/- 20.1104	µg/mL	Gravimetric
	CAS # 75-01-4	(Lot 00015559)			+/- 113.5093	µg/mL	Unstressed
	Purity 99%				+/- 116.1105	µg/mL	Stressed
4	1,3-Butadiene		1,999.6	µg/mL	+/- 14.5225	µg/mL	Gravimetric
	CAS # 106-99-0	(Lot 00019375)			+/- 112.4545	µg/mL	Unstressed
	Purity 99%				+/- 115.0702	µg/mL	Stressed
5	Bromomethane (methyl bromide)		2,002.8	µg/mL	+/- 14.8201	µg/mL	Gravimetric
	CAS # 74-83-9	(Lot 101604)			+/- 112.6669	µg/mL	Unstressed
	Purity 99%				+/- 115.2859	µg/mL	Stressed
6	Chloroethane (ethyl chloride)		2,001.0	µg/mL	+/- 14.9955	µg/mL	Gravimetric
	CAS # 75-00-3	(Lot 107-401039114-1)			+/- 112.5912	µg/mL	Unstressed
	Purity 99%				+/- 115.2073	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)		2,000.0	µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 75-43-4	(Lot 11778600)			+/- 112.1380	µg/mL	Unstressed
	Purity 99%				+/- 114.7619	µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	112.1380	µg/mL	Unstressed
	Purity 99%				+/-	114.7619	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.2	µg/mL	+/-	17.2773	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	112.8726	µg/mL	Unstressed
	Purity 99%				+/-	115.4802	µg/mL	Stressed

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

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

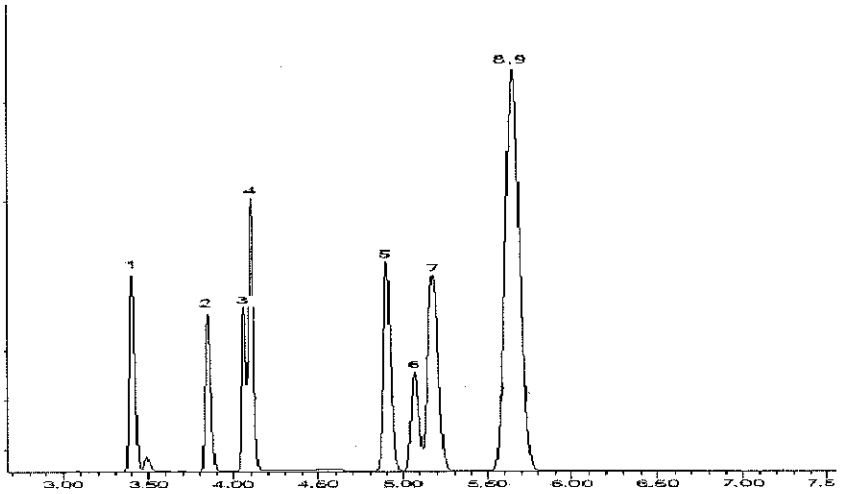
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Tom Suckar - Mix Technician

Date Mixed: 13-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00198

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0172364

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,001.0 µg/mL	+/- 15.5104 µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/- 112.6642 µg/mL	Unstressed
	Purity 99%		+/- 115.2788 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,000.2 µg/mL	+/- 19.3792 µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/- 113.2161 µg/mL	Unstressed
	Purity 99%		+/- 115.8161 µg/mL	Stressed
3	Vinyl chloride	2,003.2 µg/mL	+/- 20.1104 µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/- 113.5093 µg/mL	Unstressed
	Purity 99%		+/- 116.1105 µg/mL	Stressed
4	1,3-Butadiene	1,999.6 µg/mL	+/- 14.5225 µg/mL	Gravimetric
	CAS # 106-99-0 (Lot 00019375)		+/- 112.4545 µg/mL	Unstressed
	Purity 99%		+/- 115.0702 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,002.8 µg/mL	+/- 14.8201 µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/- 112.6669 µg/mL	Unstressed
	Purity 99%		+/- 115.2859 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,001.0 µg/mL	+/- 14.9955 µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/- 112.5912 µg/mL	Unstressed
	Purity 99%		+/- 115.2073 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.6282 µg/mL	Gravimetric
	CAS # 75-43-4 (Lot 11778600)		+/- 112.1380 µg/mL	Unstressed
	Purity 99%		+/- 114.7619 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	112.1380	µg/mL	Unstressed
	Purity 99%				+/-	114.7619	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.2	µg/mL	+/-	17.2773	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	112.8726	µg/mL	Unstressed
	Purity 99%				+/-	115.4802	µg/mL	Stressed

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

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

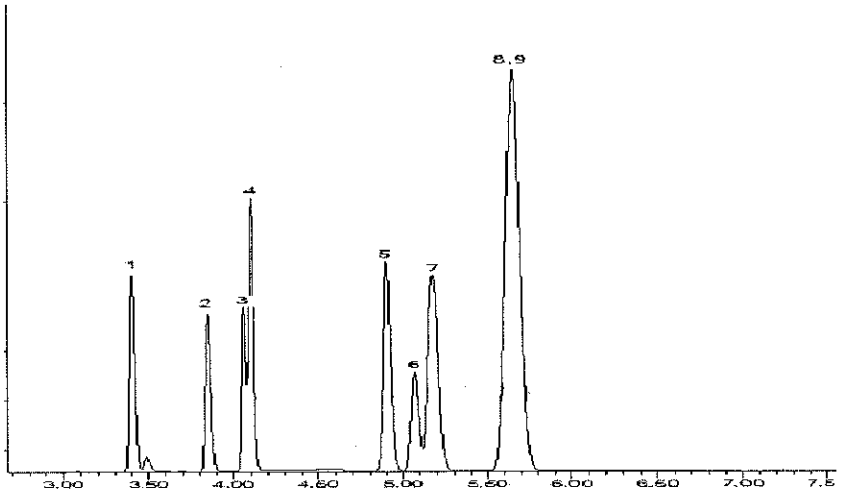
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Tom Suckar - Mix Technician

Date Mixed: 13-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00383

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. : 558267 **Lot No.:** A0175453

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methyl-2-propanol-d10		12,519.0 µg/mL		+/- 73.3015 µg/mL		Gravimetric
	CAS # 53001-22-2	(Lot I-433)			+/- 268.1736 µg/mL		Unstressed
	Purity 99%				+/- 275.9618 µg/mL		Stressed
2	Fluorobenzene		2,505.0 µg/mL		+/- 14.7007 µg/mL		Gravimetric
	CAS # 462-06-6	(Lot BCBZ5549)			+/- 53.6696 µg/mL		Unstressed
	Purity 99%				+/- 55.2277 µg/mL		Stressed
3	Chlorobenzene-d5		2,509.0 µg/mL		+/- 14.7242 µg/mL		Gravimetric
	CAS # 3114-55-4	(Lot PR-29571)			+/- 53.7553 µg/mL		Unstressed
	Purity 99%				+/- 55.3159 µg/mL		Stressed
4	1,4-Dichlorobenzene-d4		2,516.0 µg/mL		+/- 14.7653 µg/mL		Gravimetric
	CAS # 3855-82-1	(Lot PR-30447)			+/- 53.9052 µg/mL		Unstressed
	Purity 99%				+/- 55.4702 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)

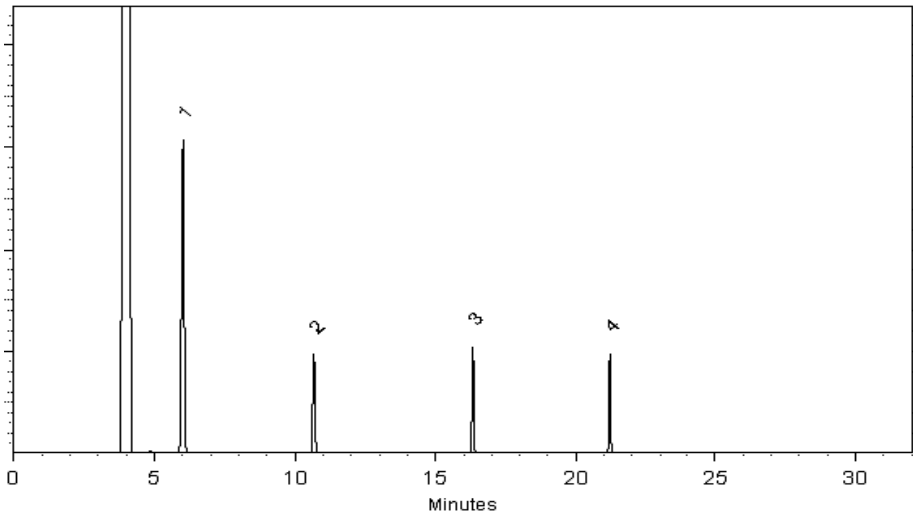
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Jeremy Warefield - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** 1128342314

Marlina Cowan - Operations Tech I

Date Passed: 18-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

MSV_Cus826_IS_00441

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. : 558267 **Lot No.:** A0179696

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methyl-2-propanol-d10	12,510.0 µg/mL	+/- 73.4157 µg/mL	Gravimetric
	CAS # 53001-22-2 (Lot PR-29961)		+/- 268.0265 µg/mL	Unstressed
	Purity 99%		+/- 275.8078 µg/mL	Stressed
2	Fluorobenzene	2,502.0 µg/mL	+/- 14.8611 µg/mL	Gravimetric
	CAS # 462-06-6 (Lot BCBZ5549)		+/- 53.6543 µg/mL	Unstressed
	Purity 99%		+/- 55.2092 µg/mL	Stressed
3	Chlorobenzene-d5	2,512.0 µg/mL	+/- 14.9205 µg/mL	Gravimetric
	CAS # 3114-55-4 (Lot PR-29571)		+/- 53.8688 µg/mL	Unstressed
	Purity 99%		+/- 55.4299 µg/mL	Stressed
4	1,4-Dichlorobenzene-d4	2,512.0 µg/mL	+/- 14.9205 µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-30447)		+/- 53.8688 µg/mL	Unstressed
	Purity 99%		+/- 55.4299 µg/mL	Stressed

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

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

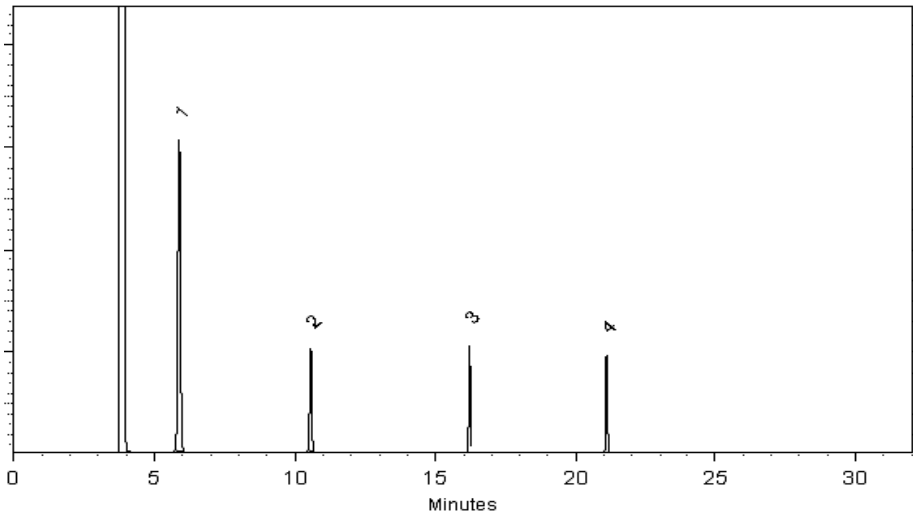
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Russ Bookhamer - Operations Technician I

Date Mixed: 17-Dec-2021 **Balance:** B442140311

Clara Windle - Operations Technician 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

MSV_EE_Neat_00006

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	12123300
DATE CERTIFIED	12/04/20
EXPIRATION DATE	12/31/25
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63520

Print Date: 07/26/21

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\1220\SIG2022771.D

Sample name: Ethylether

Instrument: GC 1
Injection date: 12/4/2020 10:52:03 AM
Acq. method: TCD SCREEN.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 21
Injection volume: 1.0uL

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.206	BB	0.0364	16.2548	6.6698	0.0305
1.560	BB	0.0278	55.8996	29.9782	0.1049
1.892	BB	0.0328	64.6527	28.1084	0.1214
2.224	BB	0.0347	9.6188	4.3673	0.0181
2.545	BB S	0.0880	53125.6797	7942.5742	99.7251
		Sum	53272.1055		

PJLA Testing

Reagent

MSV_M_MIX1SEC_00063

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0171815

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-Dichloroethene	1,003.8 µg/mL	+/- 7.1628 µg/mL	Gravimetric
	CAS # 75-35-4.SEC (Lot 9201700)		+/- 56.4323 µg/mL	Unstressed
	Purity 99%		+/- 57.7457 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	1,001.8 µg/mL	+/- 7.1486 µg/mL	Gravimetric
	CAS # 75-09-2.SEC (Lot FGM02)		+/- 56.3199 µg/mL	Unstressed
	Purity 99%		+/- 57.6306 µg/mL	Stressed
3	trans-1,2-Dichloroethene	1,000.3 µg/mL	+/- 7.1382 µg/mL	Gravimetric
	CAS # 156-60-5.SEC (Lot TS5UB)		+/- 56.2383 µg/mL	Unstressed
	Purity 99%		+/- 57.5472 µg/mL	Stressed
4	1,1-Dichloroethane	1,002.0 µg/mL	+/- 7.1503 µg/mL	Gravimetric
	CAS # 75-34-3.SEC (Lot 7482000)		+/- 56.3339 µg/mL	Unstressed
	Purity 99%		+/- 57.6450 µg/mL	Stressed
5	2,2-Dichloropropane	1,000.0 µg/mL	+/- 7.1026 µg/mL	Gravimetric
	CAS # 594-20-7.SEC (Lot I7E8E)		+/- 56.2188 µg/mL	Unstressed
	Purity 98%		+/- 57.5274 µg/mL	Stressed
6	cis-1,2-Dichloroethene	1,000.1 µg/mL	+/- 7.1028 µg/mL	Gravimetric
	CAS # 156-59-2.SEC (Lot YZO5O)		+/- 56.2207 µg/mL	Unstressed
	Purity 99%		+/- 57.5294 µg/mL	Stressed
7	Chloroform	1,000.8 µg/mL	+/- 7.1414 µg/mL	Gravimetric
	CAS # 67-66-3.SEC (Lot 1297547)		+/- 56.2636 µg/mL	Unstressed
	Purity 99%		+/- 57.5731 µg/mL	Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	7.1383	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.2391	µg/mL	Unstressed
	Purity 98%				+/-	57.5479	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	7.1204	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.3597	µg/mL	Unstressed
	Purity 95%				+/-	57.6716	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	7.1414	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.2636	µg/mL	Unstressed
	Purity 99%				+/-	57.5731	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	7.1407	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.2576	µg/mL	Unstressed
	Purity 99%				+/-	57.5669	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	7.1423	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.2708	µg/mL	Unstressed
	Purity 99%				+/-	57.5804	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	7.1371	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.2293	µg/mL	Unstressed
	Purity 99%				+/-	57.5380	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	7.1418	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.2662	µg/mL	Unstressed
	Purity 99%				+/-	57.5757	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	7.1425	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.2723	µg/mL	Unstressed
	Purity 98%				+/-	57.5819	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	7.1513	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.3417	µg/mL	Unstressed
	Purity 96%				+/-	57.6530	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	7.1450	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.2917	µg/mL	Unstressed
	Purity 99%				+/-	57.6018	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	7.1378	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.2350	µg/mL	Unstressed
	Purity 99%				+/-	57.5437	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	7.1396	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.2489	µg/mL	Unstressed
	Purity 97%				+/-	57.5580	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	7.1460	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.2995	µg/mL	Unstressed
	Purity 99%				+/-	57.6098	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	7.1485	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.3193	µg/mL	Unstressed
	Purity 99%				+/-	57.6300	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	7.1478	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.3139	µg/mL	Unstressed
	Purity 98%				+/-	57.6245	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	7.1034	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.2256	µg/mL	Unstressed
	Purity 99%				+/-	57.5344	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	7.1030	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.2221	µg/mL	Unstressed
	Purity 99%				+/-	57.5308	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	7.1365	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.2251	µg/mL	Unstressed
	Purity 99%				+/-	57.5337	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	7.1538	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.3612	µg/mL	Unstressed
	Purity 99%				+/-	57.6729	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	7.1475	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.3114	µg/mL	Unstressed
	Purity 99%				+/-	57.6220	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	7.1079	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.2614	µg/mL	Unstressed
	Purity 97%				+/-	57.5709	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	7.1076	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.2588	µg/mL	Unstressed
	Purity 98%				+/-	57.5683	µg/mL	Stressed

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

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

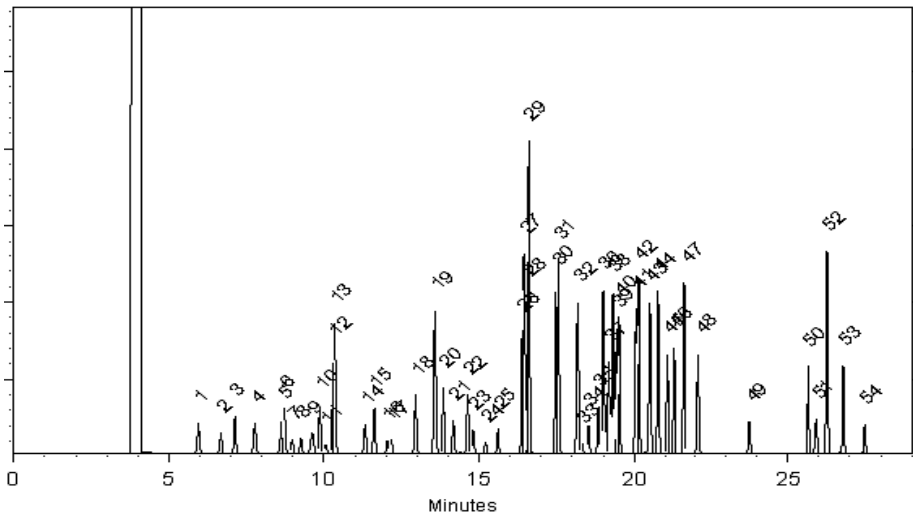
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Bradley Meyer - Mix Technician

Date Mixed: 28-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 30-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00065

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0171815

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-Dichloroethene	1,003.8 µg/mL	+/- 7.1628 µg/mL	Gravimetric
	CAS # 75-35-4.SEC (Lot 9201700)		+/- 56.4323 µg/mL	Unstressed
	Purity 99%		+/- 57.7457 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	1,001.8 µg/mL	+/- 7.1486 µg/mL	Gravimetric
	CAS # 75-09-2.SEC (Lot FGM02)		+/- 56.3199 µg/mL	Unstressed
	Purity 99%		+/- 57.6306 µg/mL	Stressed
3	trans-1,2-Dichloroethene	1,000.3 µg/mL	+/- 7.1382 µg/mL	Gravimetric
	CAS # 156-60-5.SEC (Lot TS5UB)		+/- 56.2383 µg/mL	Unstressed
	Purity 99%		+/- 57.5472 µg/mL	Stressed
4	1,1-Dichloroethane	1,002.0 µg/mL	+/- 7.1503 µg/mL	Gravimetric
	CAS # 75-34-3.SEC (Lot 7482000)		+/- 56.3339 µg/mL	Unstressed
	Purity 99%		+/- 57.6450 µg/mL	Stressed
5	2,2-Dichloropropane	1,000.0 µg/mL	+/- 7.1026 µg/mL	Gravimetric
	CAS # 594-20-7.SEC (Lot I7E8E)		+/- 56.2188 µg/mL	Unstressed
	Purity 98%		+/- 57.5274 µg/mL	Stressed
6	cis-1,2-Dichloroethene	1,000.1 µg/mL	+/- 7.1028 µg/mL	Gravimetric
	CAS # 156-59-2.SEC (Lot YZO5O)		+/- 56.2207 µg/mL	Unstressed
	Purity 99%		+/- 57.5294 µg/mL	Stressed
7	Chloroform	1,000.8 µg/mL	+/- 7.1414 µg/mL	Gravimetric
	CAS # 67-66-3.SEC (Lot 1297547)		+/- 56.2636 µg/mL	Unstressed
	Purity 99%		+/- 57.5731 µg/mL	Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	7.1383	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.2391	µg/mL	Unstressed
	Purity 98%				+/-	57.5479	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	7.1204	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.3597	µg/mL	Unstressed
	Purity 95%				+/-	57.6716	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	7.1414	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.2636	µg/mL	Unstressed
	Purity 99%				+/-	57.5731	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	7.1407	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.2576	µg/mL	Unstressed
	Purity 99%				+/-	57.5669	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	7.1423	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.2708	µg/mL	Unstressed
	Purity 99%				+/-	57.5804	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	7.1371	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.2293	µg/mL	Unstressed
	Purity 99%				+/-	57.5380	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	7.1418	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.2662	µg/mL	Unstressed
	Purity 99%				+/-	57.5757	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	7.1425	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.2723	µg/mL	Unstressed
	Purity 98%				+/-	57.5819	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	7.1513	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.3417	µg/mL	Unstressed
	Purity 96%				+/-	57.6530	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	7.1450	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.2917	µg/mL	Unstressed
	Purity 99%				+/-	57.6018	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	7.1378	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.2350	µg/mL	Unstressed
	Purity 99%				+/-	57.5437	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	7.1396	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.2489	µg/mL	Unstressed
	Purity 97%				+/-	57.5580	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	7.1460	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.2995	µg/mL	Unstressed
	Purity 99%				+/-	57.6098	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	7.1485	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.3193	µg/mL	Unstressed
	Purity 99%				+/-	57.6300	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	7.1478	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.3139	µg/mL	Unstressed
	Purity 98%				+/-	57.6245	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	7.1034	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.2256	µg/mL	Unstressed
	Purity 99%				+/-	57.5344	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	7.1030	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.2221	µg/mL	Unstressed
	Purity 99%				+/-	57.5308	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	7.1365	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.2251	µg/mL	Unstressed
	Purity 99%				+/-	57.5337	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	7.1538	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.3612	µg/mL	Unstressed
	Purity 99%				+/-	57.6729	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	7.1475	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.3114	µg/mL	Unstressed
	Purity 99%				+/-	57.6220	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	7.1079	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.2614	µg/mL	Unstressed
	Purity 97%				+/-	57.5709	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	7.1076	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.2588	µg/mL	Unstressed
	Purity 98%				+/-	57.5683	µg/mL	Stressed

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

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

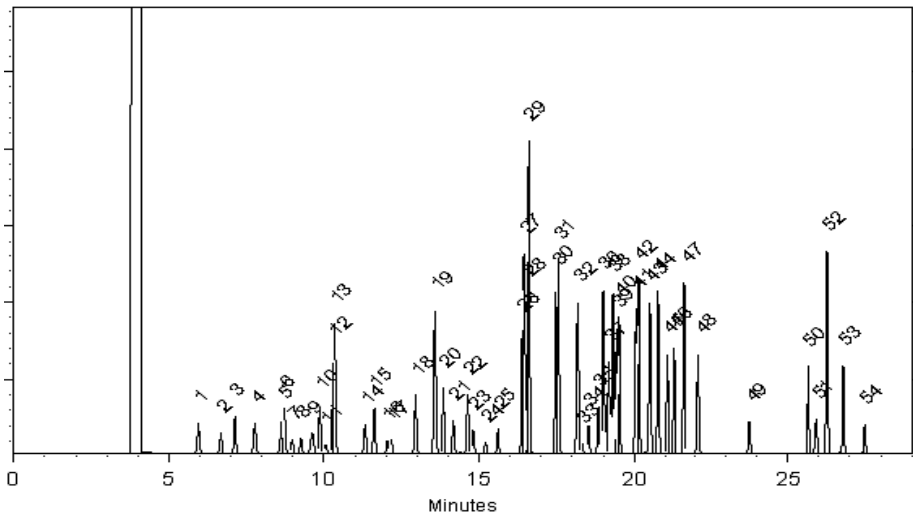
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Bradley Meyer - Mix Technician

Date Mixed: 28-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 30-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00064

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0171837

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
2	2-Propanol (isopropanol)	7,501.5 µg/mL	+/- 43.9229 µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot TFT5I)		+/- 371.1195 µg/mL	Unstressed
	Purity 99%		+/- 380.3459 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
4	tert-Butanol (TBA)	10,001.0 µg/mL	+/- 58.5581 µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot 5REPK)		+/- 494.7765 µg/mL	Unstressed
	Purity 99%		+/- 507.0771 µg/mL	Stressed
5	Methyl acetate	1,002.5 µg/mL	+/- 5.8832 µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot YDGVD)		+/- 49.5980 µg/mL	Unstressed
	Purity 99%		+/- 50.8309 µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,001.5 µg/mL	+/- 5.8774 µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.5485 µg/mL	Unstressed
	Purity 99%		+/- 50.7802 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot H3HGC)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed

8	Carbon disulfide		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
9	Acrylonitrile		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
11	n-Hexane (C6)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,003.0	µg/mL	+/-	5.8862	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6227	µg/mL	Unstressed
	Purity 99%				+/-	50.8563	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
15	Propionitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot N44LF)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
16	Methacrylonitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,001.0	µg/mL	+/-	146.3864	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,236.8670	µg/mL	Unstressed
	Purity 99%				+/-	1,267.6168	µg/mL	Stressed
18	Tetrahydrofuran		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
19	Cyclohexane		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
20	1-Butanol		50,004.5	µg/mL	+/-	292.7722	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot 6B6UL)			+/-	2,473.8558	µg/mL	Unstressed
	Purity 99%				+/-	2,535.3586	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 11010100)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
22	n-Heptane (C7)		1,002.5	µg/mL	+/-	5.8832	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.5980	µg/mL	Unstressed
	Purity 99%				+/-	50.8309	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed

24	Methylcyclohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
25	Methyl methacrylate		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
26	1,4-Dioxane		25,004.0	µg/mL	+/-	146.4039	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.0154	µg/mL	Unstressed
	Purity 99%				+/-	1,267.7689	µg/mL	Stressed
27	2-Nitropropane		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
28	Ethyl methacrylate		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
29	1-Chlorohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 8171700)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,000.4	µg/mL	+/-	29.2781	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)			+/-	247.3808	µg/mL	Unstressed
	Purity 97%				+/-	253.5310	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,001.1	µg/mL	+/-	5.8748	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.5272	µg/mL	Unstressed
	Purity 98%				+/-	50.7584	µg/mL	Stressed
32	1,3-Diethylbenzene		1,003.5	µg/mL	+/-	5.8891	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.6474	µg/mL	Unstressed
	Purity 99%				+/-	50.8816	µg/mL	Stressed
33	Benzyl chloride		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
34	1,4-Diethylbenzene		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
35	1,2-Diethylbenzene		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
37	2-Methylnaphthalene		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

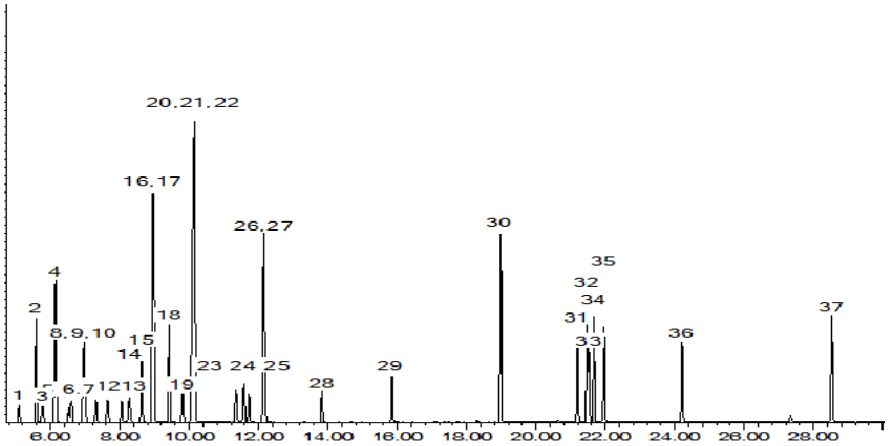
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Date Mixed: 28-Apr-2021 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 04-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00065

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0171837

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
2	2-Propanol (isopropanol)	7,501.5 µg/mL	+/- 43.9229 µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot TFT5I)		+/- 371.1195 µg/mL	Unstressed
	Purity 99%		+/- 380.3459 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
4	tert-Butanol (TBA)	10,001.0 µg/mL	+/- 58.5581 µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot 5REPK)		+/- 494.7765 µg/mL	Unstressed
	Purity 99%		+/- 507.0771 µg/mL	Stressed
5	Methyl acetate	1,002.5 µg/mL	+/- 5.8832 µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot YDGVD)		+/- 49.5980 µg/mL	Unstressed
	Purity 99%		+/- 50.8309 µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,001.5 µg/mL	+/- 5.8774 µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.5485 µg/mL	Unstressed
	Purity 99%		+/- 50.7802 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot H3HGC)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed

8	Carbon disulfide		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
9	Acrylonitrile		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
11	n-Hexane (C6)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,003.0	µg/mL	+/-	5.8862	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6227	µg/mL	Unstressed
	Purity 99%				+/-	50.8563	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
15	Propionitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot N44LF)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
16	Methacrylonitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,001.0	µg/mL	+/-	146.3864	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,236.8670	µg/mL	Unstressed
	Purity 99%				+/-	1,267.6168	µg/mL	Stressed
18	Tetrahydrofuran		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
19	Cyclohexane		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
20	1-Butanol		50,004.5	µg/mL	+/-	292.7722	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot 6B6UL)			+/-	2,473.8558	µg/mL	Unstressed
	Purity 99%				+/-	2,535.3586	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 11010100)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
22	n-Heptane (C7)		1,002.5	µg/mL	+/-	5.8832	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.5980	µg/mL	Unstressed
	Purity 99%				+/-	50.8309	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed

24	Methylcyclohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
25	Methyl methacrylate		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
26	1,4-Dioxane		25,004.0	µg/mL	+/-	146.4039	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.0154	µg/mL	Unstressed
	Purity 99%				+/-	1,267.7689	µg/mL	Stressed
27	2-Nitropropane		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
28	Ethyl methacrylate		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
29	1-Chlorohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 8171700)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,000.4	µg/mL	+/-	29.2781	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)			+/-	247.3808	µg/mL	Unstressed
	Purity 97%				+/-	253.5310	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,001.1	µg/mL	+/-	5.8748	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.5272	µg/mL	Unstressed
	Purity 98%				+/-	50.7584	µg/mL	Stressed
32	1,3-Diethylbenzene		1,003.5	µg/mL	+/-	5.8891	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.6474	µg/mL	Unstressed
	Purity 99%				+/-	50.8816	µg/mL	Stressed
33	Benzyl chloride		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
34	1,4-Diethylbenzene		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
35	1,2-Diethylbenzene		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
37	2-Methylnaphthalene		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

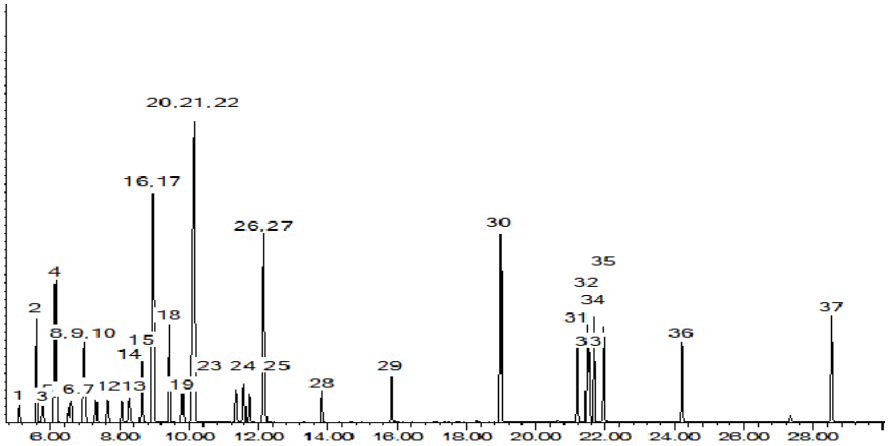
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Date Mixed: 28-Apr-2021 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 04-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00066

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0171634

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot SHBL6169)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
4	1,1-Dichloroethane	5,000.8 µg/mL	+/- 31.7079 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 280.6723 µg/mL	Unstressed
	Purity 99%		+/- 287.2265 µg/mL	Stressed
5	2,2-Dichloropropane	5,000.8 µg/mL	+/- 31.8970 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD201111)		+/- 280.6965 µg/mL	Unstressed
	Purity 99%		+/- 287.2503 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,000.6 µg/mL	+/- 31.8957 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCK1803)		+/- 280.6853 µg/mL	Unstressed
	Purity 99%		+/- 287.2388 µg/mL	Stressed
7	chloroform	5,000.6 µg/mL	+/- 31.7067 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBL6923)		+/- 280.6618 µg/mL	Unstressed
	Purity 99%		+/- 287.2158 µg/mL	Stressed

8	Bromochloromethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
9	1,1,1-trichloroethane		5,000.1	µg/mL	+/-	31.7041	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.6383	µg/mL	Unstressed
	Purity 98%				+/-	287.1917	µg/mL	Stressed
10	1,1-Dichloropropene		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 201106JLM)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
11	carbon tetrachloride		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
12	1,2-Dichloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCM8716)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
13	Benzene		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBM3620)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
14	Trichloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed
15	1,2-Dichloropropane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
16	bromodichloromethane		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCK3742)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
17	Dibromomethane		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,001.9	µg/mL	+/-	31.7154	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot D26147-1217)			+/-	280.7390	µg/mL	Unstressed
	Purity 99%				+/-	287.2947	µg/mL	Stressed
19	Toluene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBM6128)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RP201030)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,000.9	µg/mL	+/-	31.7087	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	280.6794	µg/mL	Unstressed
	Purity 99%				+/-	287.2337	µg/mL	Stressed
22	1,3-Dichloropropane		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
23	Tetrachloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed

24	dibromochloromethane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
26	Chlorobenzene		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
28	Ethylbenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBL9192)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
29	m-Xylene		5,001.8	µg/mL	+/-	31.9033	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	280.7527	µg/mL	Unstressed
	Purity 99%				+/-	287.3077	µg/mL	Stressed
30	p-Xylene		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBJ7329)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
31	o-Xylene		5,001.8	µg/mL	+/-	31.9035	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBL3963)			+/-	280.7539	µg/mL	Unstressed
	Purity 98%				+/-	287.3090	µg/mL	Stressed
32	Styrene		5,001.7	µg/mL	+/-	31.9027	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCM3200)			+/-	280.7471	µg/mL	Unstressed
	Purity 99%				+/-	287.3020	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot P15E008)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
34	bromoform		5,000.4	µg/mL	+/-	31.7055	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBJ4835)			+/-	280.6513	µg/mL	Unstressed
	Purity 99%				+/-	287.2050	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,000.0	µg/mL	+/-	31.8918	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)			+/-	280.6516	µg/mL	Unstressed
	Purity 99%				+/-	287.2044	µg/mL	Stressed
37	n-Propylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
38	Bromobenzene		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed

40	2-Chlorotoluene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
41	4-Chlorotoluene		5,000.1	µg/mL	+/-	31.8925	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	280.6572	µg/mL	Unstressed
	Purity 99%				+/-	287.2101	µg/mL	Stressed
42	tert-Butylbenzene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,000.6	µg/mL	+/-	31.8960	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	280.6879	µg/mL	Unstressed
	Purity 98%				+/-	287.2415	µg/mL	Stressed
44	sec-Butylbenzene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCN1411)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,000.8	µg/mL	+/-	31.7083	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	280.6759	µg/mL	Unstressed
	Purity 99%				+/-	287.2301	µg/mL	Stressed
48	n-Butylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,000.1	µg/mL	+/-	31.7036	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBK7741)			+/-	280.6338	µg/mL	Unstressed
	Purity 99%				+/-	287.1871	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,000.3	µg/mL	+/-	31.8935	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	280.6658	µg/mL	Unstressed
	Purity 97%				+/-	287.2189	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
52	Hexachlorobutadiene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
53	Naphthalene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,000.4	µg/mL	+/-	31.8944	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	280.6741	µg/mL	Unstressed
	Purity 99%				+/-	287.2273	µg/mL	Stressed

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

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

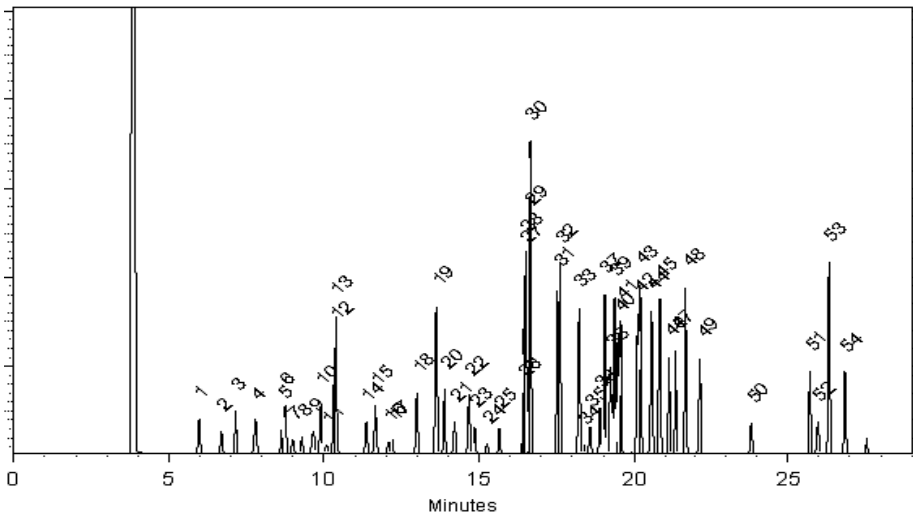
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Walker Workman - Operations Technician I

Date Mixed: 22-Apr-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00068

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0171634

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot SHBL6169)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
4	1,1-Dichloroethane	5,000.8 µg/mL	+/- 31.7079 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 280.6723 µg/mL	Unstressed
	Purity 99%		+/- 287.2265 µg/mL	Stressed
5	2,2-Dichloropropane	5,000.8 µg/mL	+/- 31.8970 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD201111)		+/- 280.6965 µg/mL	Unstressed
	Purity 99%		+/- 287.2503 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,000.6 µg/mL	+/- 31.8957 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCK1803)		+/- 280.6853 µg/mL	Unstressed
	Purity 99%		+/- 287.2388 µg/mL	Stressed
7	chloroform	5,000.6 µg/mL	+/- 31.7067 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBL6923)		+/- 280.6618 µg/mL	Unstressed
	Purity 99%		+/- 287.2158 µg/mL	Stressed

8	Bromochloromethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
9	1,1,1-trichloroethane		5,000.1	µg/mL	+/-	31.7041	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.6383	µg/mL	Unstressed
	Purity 98%				+/-	287.1917	µg/mL	Stressed
10	1,1-Dichloropropene		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 201106JLM)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
11	carbon tetrachloride		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
12	1,2-Dichloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCM8716)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
13	Benzene		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBM3620)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
14	Trichloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed
15	1,2-Dichloropropane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
16	bromodichloromethane		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCK3742)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
17	Dibromomethane		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,001.9	µg/mL	+/-	31.7154	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot D26147-1217)			+/-	280.7390	µg/mL	Unstressed
	Purity 99%				+/-	287.2947	µg/mL	Stressed
19	Toluene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBM6128)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RP201030)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,000.9	µg/mL	+/-	31.7087	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	280.6794	µg/mL	Unstressed
	Purity 99%				+/-	287.2337	µg/mL	Stressed
22	1,3-Dichloropropane		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
23	Tetrachloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed

24	dibromochloromethane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
26	Chlorobenzene		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
28	Ethylbenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBL9192)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
29	m-Xylene		5,001.8	µg/mL	+/-	31.9033	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	280.7527	µg/mL	Unstressed
	Purity 99%				+/-	287.3077	µg/mL	Stressed
30	p-Xylene		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBJ7329)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
31	o-Xylene		5,001.8	µg/mL	+/-	31.9035	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBL3963)			+/-	280.7539	µg/mL	Unstressed
	Purity 98%				+/-	287.3090	µg/mL	Stressed
32	Styrene		5,001.7	µg/mL	+/-	31.9027	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCM3200)			+/-	280.7471	µg/mL	Unstressed
	Purity 99%				+/-	287.3020	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot P15E008)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
34	bromoform		5,000.4	µg/mL	+/-	31.7055	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBJ4835)			+/-	280.6513	µg/mL	Unstressed
	Purity 99%				+/-	287.2050	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,000.0	µg/mL	+/-	31.8918	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)			+/-	280.6516	µg/mL	Unstressed
	Purity 99%				+/-	287.2044	µg/mL	Stressed
37	n-Propylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
38	Bromobenzene		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed

40	2-Chlorotoluene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
41	4-Chlorotoluene		5,000.1	µg/mL	+/-	31.8925	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	280.6572	µg/mL	Unstressed
	Purity 99%				+/-	287.2101	µg/mL	Stressed
42	tert-Butylbenzene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,000.6	µg/mL	+/-	31.8960	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	280.6879	µg/mL	Unstressed
	Purity 98%				+/-	287.2415	µg/mL	Stressed
44	sec-Butylbenzene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCN1411)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,000.8	µg/mL	+/-	31.7083	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	280.6759	µg/mL	Unstressed
	Purity 99%				+/-	287.2301	µg/mL	Stressed
48	n-Butylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,000.1	µg/mL	+/-	31.7036	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBK7741)			+/-	280.6338	µg/mL	Unstressed
	Purity 99%				+/-	287.1871	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,000.3	µg/mL	+/-	31.8935	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	280.6658	µg/mL	Unstressed
	Purity 97%				+/-	287.2189	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
52	Hexachlorobutadiene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
53	Naphthalene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,000.4	µg/mL	+/-	31.8944	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	280.6741	µg/mL	Unstressed
	Purity 99%				+/-	287.2273	µg/mL	Stressed

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

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

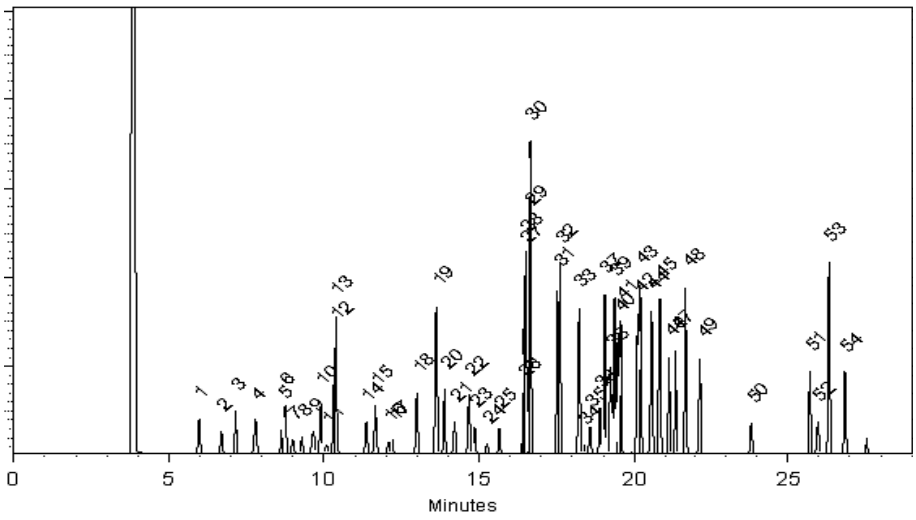
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Walker Workman - Operations Technician I

Date Mixed: 22-Apr-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00065

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0173454

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Pentane (C5)	5,000.8 µg/mL	+/- 34.9563 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBM6577)		+/- 248.1404 µg/mL	Unstressed
	Purity 99%		+/- 254.2734 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,000.0 µg/mL	+/- 146.3805 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBH7211)		+/- 1,236.8175 µg/mL	Unstressed
	Purity 99%		+/- 1,267.5661 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,000.0 µg/mL	+/- 34.9505 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.0991 µg/mL	Unstressed
	Purity 99%		+/- 254.2310 µg/mL	Stressed
4	tert-Butanol (TBA)	25,010.0 µg/mL	+/- 146.4390 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,237.3122 µg/mL	Unstressed
	Purity 99%		+/- 1,268.0731 µg/mL	Stressed
5	Methyl acetate	5,000.2 µg/mL	+/- 34.9516 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.1073 µg/mL	Unstressed
	Purity 99%		+/- 254.2395 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,001.7 µg/mL	+/- 34.9621 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD210503)		+/- 248.1818 µg/mL	Unstressed
	Purity 99%		+/- 254.3157 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,000.7 µg/mL	+/- 34.9551 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RD210402)		+/- 248.1321 µg/mL	Unstressed
	Purity 99%		+/- 254.2649 µg/mL	Stressed

8	Carbon disulfide		5,004.2	µg/mL	+/-	34.9796	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	248.3058	µg/mL	Unstressed
	Purity 99%				+/-	254.4428	µg/mL	Stressed
9	Acrylonitrile		12,506.0	µg/mL	+/-	73.2254	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot M25F024)			+/-	618.7056	µg/mL	Unstressed
	Purity 99%				+/-	634.0873	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBM3541)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
11	n-Hexane (C6)		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,003.3	µg/mL	+/-	34.9738	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	248.2645	µg/mL	Unstressed
	Purity 99%				+/-	254.4005	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,001.2	µg/mL	+/-	34.9586	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	248.1570	µg/mL	Unstressed
	Purity 99%				+/-	254.2903	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCM3774)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
15	Propionitrile		25,006.7	µg/mL	+/-	146.4195	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCC1173)			+/-	1,237.1473	µg/mL	Unstressed
	Purity 99%				+/-	1,267.9041	µg/mL	Stressed
16	Methacrylonitrile		12,500.7	µg/mL	+/-	73.1942	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	618.4417	µg/mL	Unstressed
	Purity 99%				+/-	633.8168	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.7	µg/mL	+/-	365.9551	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,092.0767	µg/mL	Unstressed
	Purity 99%				+/-	3,168.9490	µg/mL	Stressed
18	Tetrahydrofuran		25,010.0	µg/mL	+/-	146.4390	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBM8962)			+/-	1,237.3122	µg/mL	Unstressed
	Purity 99%				+/-	1,268.0731	µg/mL	Stressed
19	Cyclohexane		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
20	1-Butanol		62,504.0	µg/mL	+/-	365.9747	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBM5061)			+/-	3,092.2416	µg/mL	Unstressed
	Purity 99%				+/-	3,169.1180	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
22	n-Heptane (C7)		5,002.3	µg/mL	+/-	34.9668	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBL9221)			+/-	248.2148	µg/mL	Unstressed
	Purity 99%				+/-	254.3496	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed

24	Methylcyclohexane		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
25	Methyl methacrylate		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCN3027)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed
26	1,4-Dioxane		62,503.3	µg/mL	+/-	365.9708	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM5092)			+/-	3,092.2086	µg/mL	Unstressed
	Purity 99%				+/-	3,169.0842	µg/mL	Stressed
27	2-Nitropropane		25,000.8	µg/mL	+/-	146.3851	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,236.8561	µg/mL	Unstressed
	Purity 97%				+/-	1,267.6056	µg/mL	Stressed
28	Ethyl methacrylate		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
29	1-Chlorohexane		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,510.9	µg/mL	+/-	73.2539	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD210617)			+/-	618.9463	µg/mL	Unstressed
	Purity 95%				+/-	634.3340	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
32	1,3-Diethylbenzene		5,000.9	µg/mL	+/-	34.9570	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.1457	µg/mL	Unstressed
	Purity 98%				+/-	254.2788	µg/mL	Stressed
33	Benzyl chloride		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
34	1,4-Diethylbenzene		5,001.4	µg/mL	+/-	34.9605	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/-	248.1700	µg/mL	Unstressed
	Purity 98%				+/-	254.3037	µg/mL	Stressed
35	1,2-Diethylbenzene		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
37	2-Methylnaphthalene		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed

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

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

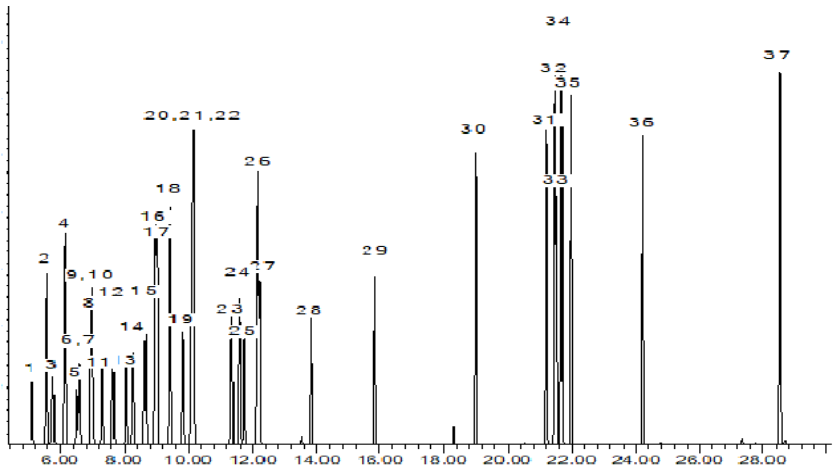
Carrier Gas:
helium-constant pressure 30 psi

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Jun-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 30-Jun-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00068

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

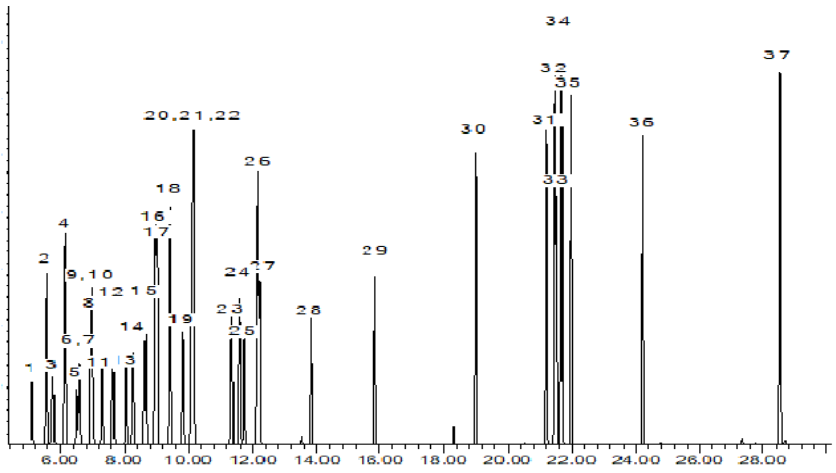
Carrier Gas:
helium-constant pressure 30 psi

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_00064

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0178490

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

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

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

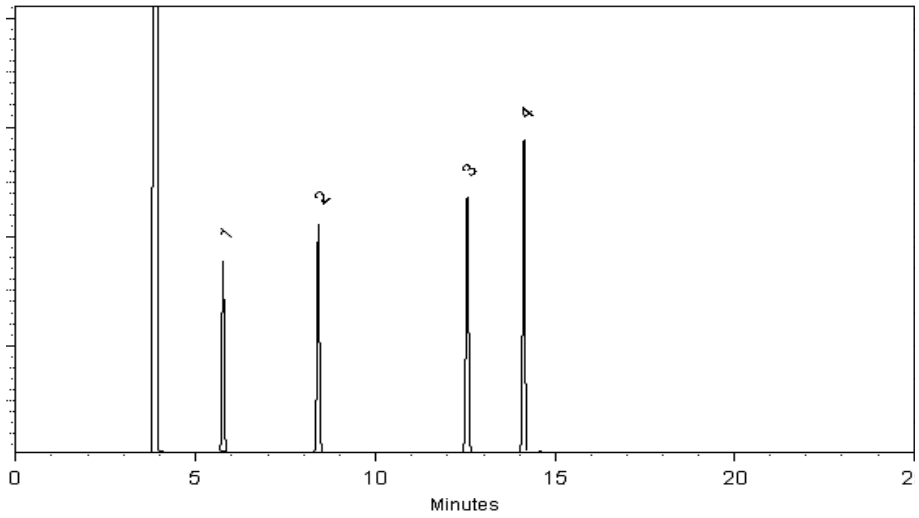
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00065

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0178490

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

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

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

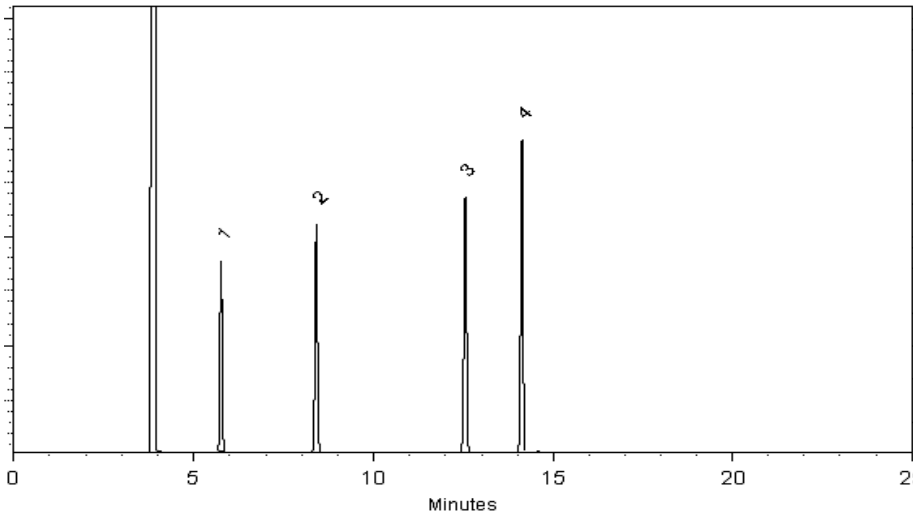
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00089

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0172021

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,014.7 µg/mL	+/- 21.3347 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26871)		+/- 114.3626 µg/mL	Unstressed
	Purity 99%		+/- 116.9742 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,018.4 µg/mL	+/- 22.6573 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 114.8157 µg/mL	Unstressed
	Purity 99%		+/- 117.4265 µg/mL	Stressed
3	Vinyl chloride	2,011.6 µg/mL	+/- 18.1502 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.6387 µg/mL	Unstressed
	Purity 99%		+/- 116.2584 µg/mL	Stressed
4	1,3-Butadiene	2,020.9 µg/mL	+/- 15.6985 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 113.7849 µg/mL	Unstressed
	Purity 99%		+/- 116.4253 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,014.3 µg/mL	+/- 52.5641 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 124.0186 µg/mL	Unstressed
	Purity 99%		+/- 126.4297 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,009.7 µg/mL	+/- 28.6335 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 115.6738 µg/mL	Unstressed
	Purity 99%		+/- 118.2437 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 10930400)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

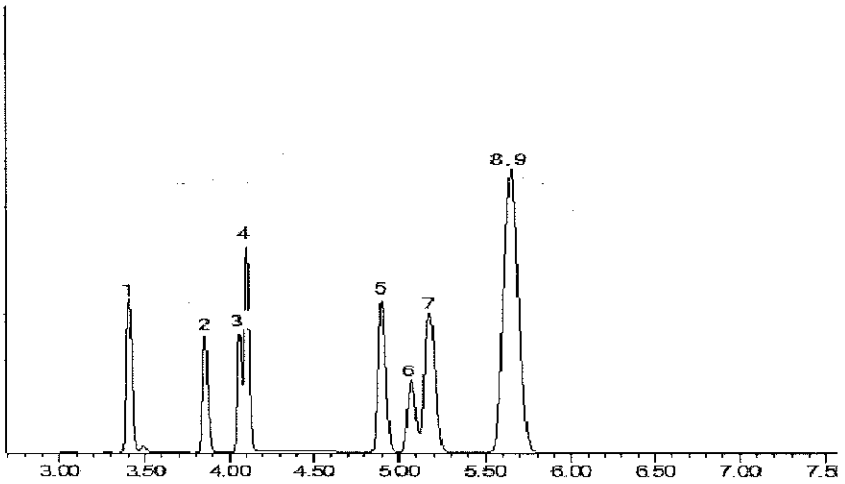
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00090

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0172021

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,014.7 µg/mL	+/- 21.3347 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26871)		+/- 114.3626 µg/mL	Unstressed
	Purity 99%		+/- 116.9742 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,018.4 µg/mL	+/- 22.6573 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 114.8157 µg/mL	Unstressed
	Purity 99%		+/- 117.4265 µg/mL	Stressed
3	Vinyl chloride	2,011.6 µg/mL	+/- 18.1502 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.6387 µg/mL	Unstressed
	Purity 99%		+/- 116.2584 µg/mL	Stressed
4	1,3-Butadiene	2,020.9 µg/mL	+/- 15.6985 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 113.7849 µg/mL	Unstressed
	Purity 99%		+/- 116.4253 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,014.3 µg/mL	+/- 52.5641 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 124.0186 µg/mL	Unstressed
	Purity 99%		+/- 126.4297 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,009.7 µg/mL	+/- 28.6335 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 115.6738 µg/mL	Unstressed
	Purity 99%		+/- 118.2437 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 10930400)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	µg/mL	Stressed

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

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

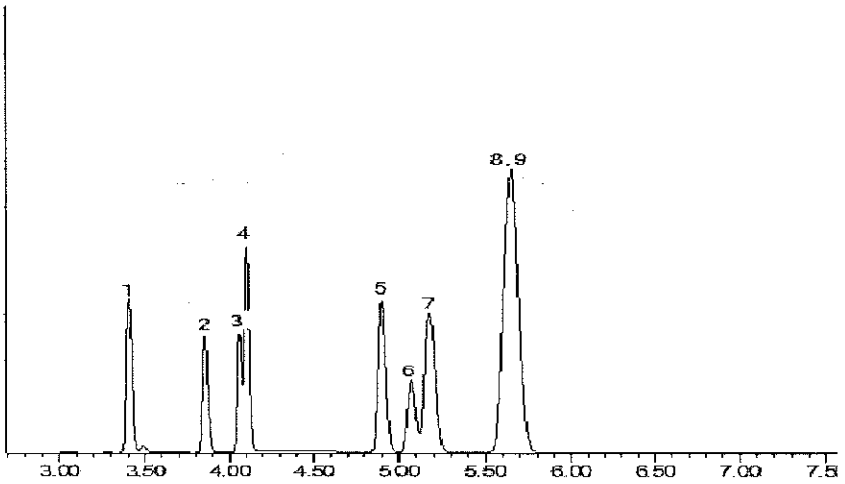
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_2CLEVE_00065

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. : 577492 **Lot No.:** A0171422

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Chloroethyl vinyl ether	5,010.5 µg/mL	+/- 29.3376 µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKBS6526V)		+/- 107.3316 µg/mL	Unstressed
	Purity 99%		+/- 110.4487 µg/mL	Stressed

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

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

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

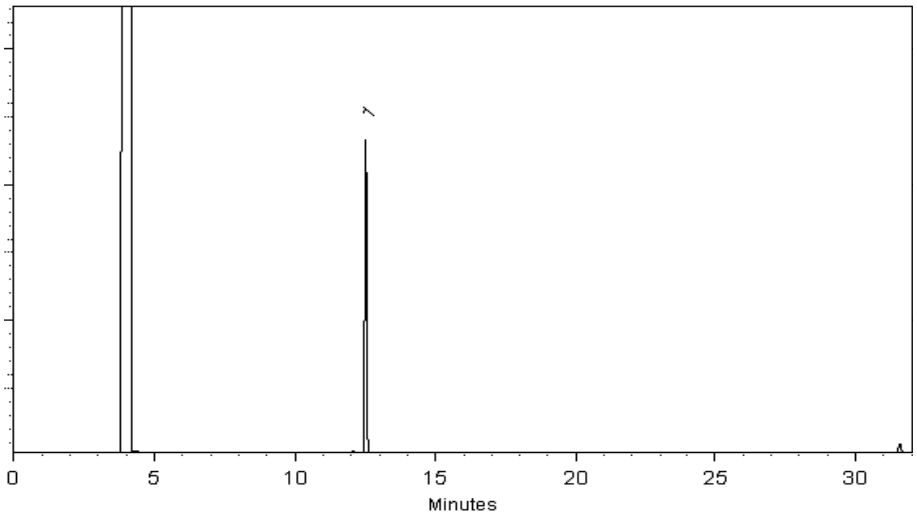
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Apr-2021 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 26-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00064

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. : 569721 **Lot No.:** A0174287

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone		12,526.4 µg/mL	+/- 73.3448 µg/mL		Gravimetric
	CAS # 67-64-1	(Lot SHBN3661)		+/- 755.8230 µg/mL		Unstressed
	Purity 99%			+/- 757.6173 µg/mL		Stressed
2	2-Butanone (MEK)		12,543.6 µg/mL	+/- 73.4455 µg/mL		Gravimetric
	CAS # 78-93-3	(Lot SHBL5543)		+/- 756.8609 µg/mL		Unstressed
	Purity 99%			+/- 758.6575 µg/mL		Stressed
3	4-Methyl-2-pentanone (MIBK)		12,534.8 µg/mL	+/- 73.3940 µg/mL		Gravimetric
	CAS # 108-10-1	(Lot SHBM7956)		+/- 756.3299 µg/mL		Unstressed
	Purity 99%			+/- 758.1253 µg/mL		Stressed
4	2-Hexanone		12,617.6 µg/mL	+/- 73.8788 µg/mL		Gravimetric
	CAS # 591-78-6	(Lot MKCL1599)		+/- 761.3259 µg/mL		Unstressed
	Purity 99%			+/- 763.1332 µg/mL		Stressed

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

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

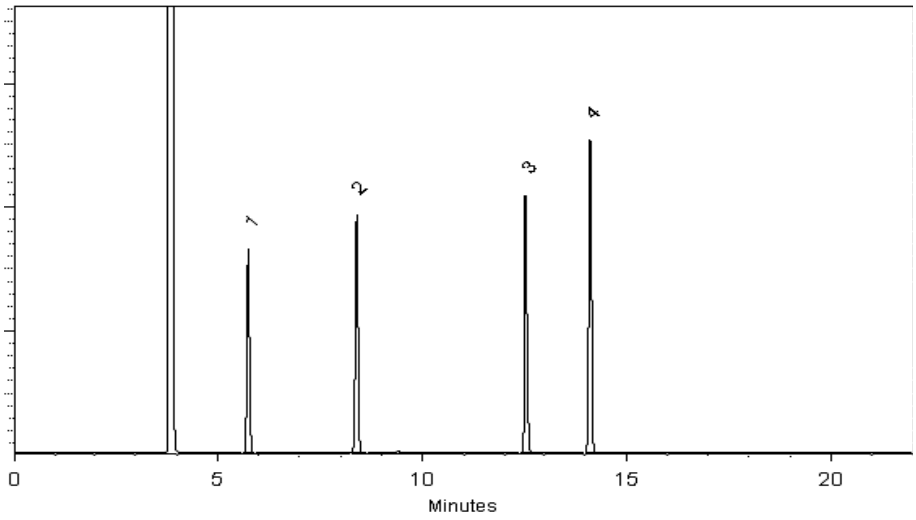
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Sam Moodler - Operations Tech I

Date Mixed: 11-Jul-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 13-Jul-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00066

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. : 569721 **Lot No.:** A0174287

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

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

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

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

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone		12,526.4 µg/mL	+/- 73.3448 µg/mL		Gravimetric
	CAS # 67-64-1	(Lot SHBN3661)		+/- 755.8230 µg/mL		Unstressed
	Purity 99%			+/- 757.6173 µg/mL		Stressed
2	2-Butanone (MEK)		12,543.6 µg/mL	+/- 73.4455 µg/mL		Gravimetric
	CAS # 78-93-3	(Lot SHBL5543)		+/- 756.8609 µg/mL		Unstressed
	Purity 99%			+/- 758.6575 µg/mL		Stressed
3	4-Methyl-2-pentanone (MIBK)		12,534.8 µg/mL	+/- 73.3940 µg/mL		Gravimetric
	CAS # 108-10-1	(Lot SHBM7956)		+/- 756.3299 µg/mL		Unstressed
	Purity 99%			+/- 758.1253 µg/mL		Stressed
4	2-Hexanone		12,617.6 µg/mL	+/- 73.8788 µg/mL		Gravimetric
	CAS # 591-78-6	(Lot MKCL1599)		+/- 761.3259 µg/mL		Unstressed
	Purity 99%			+/- 763.1332 µg/mL		Stressed

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

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

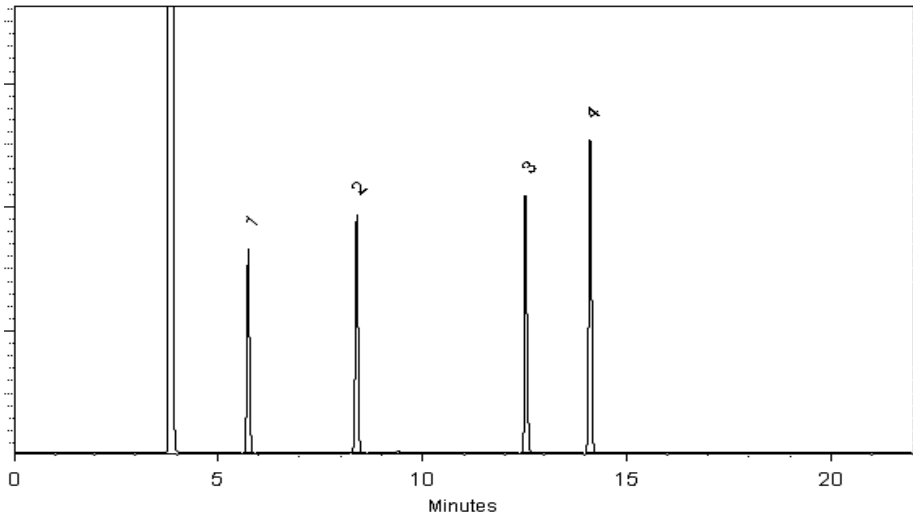
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Sam Moodler - Operations Tech I

Date Mixed: 11-Jul-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 13-Jul-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

OP_RES_LCSadd_00001

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Composition

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 576938 **Lot No.:** A0166837

Description : Custom 8270/625 Add-in Standard

Custom 8270/625 Add-ins Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

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

Expiration Date : December 31, 2023 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	N,N-Dimethylformamide **CAS #** 68-12-2 **Purity** 99%	(Lot SHBL5825)	2,011.8 µg/mL	+/- 11.7235 +/- 91.6231 +/- 132.2992	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	alpha-Methylstyrene **CAS #** 98-83-9 **Purity** 99%	(Lot MKBS2502V)	2,006.0 µg/mL	+/- 11.6900 +/- 91.3612 +/- 131.9211	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	a-Terpineol **CAS #** 98-55-5 **Purity** 96%	(Lot ASB00020105-001)	2,011.4 µg/mL	+/- 11.7217 +/- 91.6089 +/- 132.2788	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2,3-Dichloroaniline **CAS #** 608-27-5 **Purity** 99%	(Lot FBV01)	1,986.8 µg/mL	+/- 11.5778 +/- 90.4845 +/- 130.6551	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	n-Tetradecane (C14) **CAS #** 629-59-4 **Purity** 99%	(Lot STBJ3715)	2,003.0 µg/mL	+/- 11.6725 +/- 91.2245 +/- 131.7238	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Diphenyl ether **CAS #** 101-84-8 **Purity** 99%	(Lot SHBL5909)	2,004.5 µg/mL	+/- 11.6813 +/- 91.2929 +/- 131.8224	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	1-Methylphenanthrene **CAS #** 832-69-9 **Purity** 99%	(Lot 10916300)	2,011.8 µg/mL	+/- 11.7235 +/- 91.6231 +/- 132.2992	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	n-Eicosane (C20) **CAS #** 112-95-8 **Purity** 99%	(Lot MKCF7888)	2,010.5	µg/mL	+/- 11.7162 +/- 91.5661 +/- 132.2170	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Octachlorostyrene **CAS #** 29082-74-4 **Purity** 99%	(Lot NT058409)	2,008.5	µg/mL	+/- 11.7046 +/- 91.4750 +/- 132.0855	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Docosane (C22) **CAS #** 629-97-0 **Purity** 99%	(Lot MKCH2086)	2,010.8	µg/mL	+/- 11.7177 +/- 91.5775 +/- 132.2335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

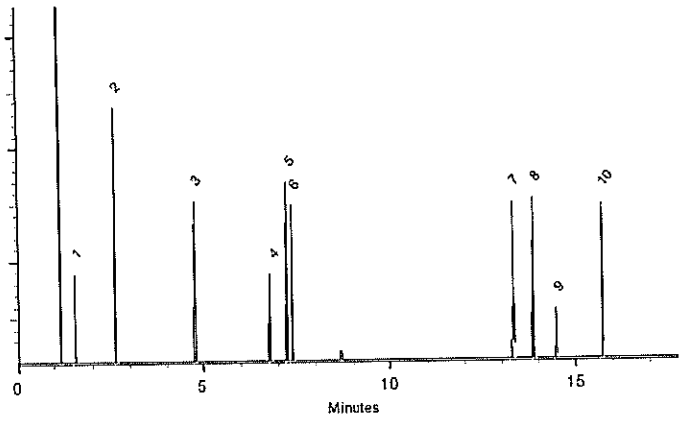
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Bradley Meyer - Mic Technician

Date Mixed: 03-Dec-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 07-Dec-2020

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-84076-1

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 #
FBW001_052022	410-84076-1	99	100	99	95
FBW001_FB_052022	410-84076-3	99	99	99	95
FBS010_052022	410-84076-4	101	100	98	94
FBS010_DUP-1_052022	410-84076-5	101	100	99	94
FBW001_TB_052022	410-84076-7	99	101	101	94
FBS010_TB_052022	410-84076-8	100	100	99	95
	MB 410-258274/7	100	99	99	96
	LCS 410-258274/4	101	102	101	98
	LCSD 410-258274/5	100	100	101	97
FBW001_MS_052022 MS	410-84076-1 MS	100	101	100	98
FBW001_MSD_052022 MSD	410-84076-1 MSD	101	103	99	96

	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X33.D

Lab ID: LCS 410-258274/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.2	106	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	72-120	
1,1,2-Trichloroethane	20.0	20.6	103	80-120	
1,1-Dichloroethane	20.0	19.9	100	80-120	
1,1-Dichloroethene	20.0	21.4	107	80-131	
1,2,4-Trichlorobenzene	20.0	20.0	100	63-120	
1,2,4-Trimethylbenzene	20.0	20.6	103	75-120	
1,2-Dibromo-3-Chloropropane	20.0	17.1	86	47-131	
1,2-Dibromoethane	20.0	20.6	103	77-120	
1,2-Dichlorobenzene	20.0	21.1	105	80-120	
1,2-Dichloroethane	20.0	19.4	97	73-124	
1,2-Dichloropropane	20.0	20.5	103	80-120	
1,3,5-Trimethylbenzene	20.0	20.8	104	75-120	
1,3-Dichlorobenzene	20.0	20.8	104	80-120	
1,4-Dichlorobenzene	20.0	21.1	105	80-120	
2-Butanone	250	237	95	59-135	
2-Hexanone	250	252	101	56-135	
4-Methyl-2-pentanone	250	253	101	62-133	
Acetone	250	287	115	54-157	
Benzene	20.0	20.9	104	80-120	
Bromodichloromethane	20.0	21.0	105	71-120	
Bromoform	20.0	19.4	97	51-120	
Bromomethane	20.0	23.3	116	53-128	
Carbon disulfide	20.0	21.8	109	65-128	
Carbon tetrachloride	20.0	21.8	109	64-134	
Chlorobenzene	20.0	20.8	104	80-120	
Chloroethane	20.0	23.1	115	55-123	
Chloroform	20.0	20.9	105	80-120	
Chloromethane	20.0	21.8	109	56-121	
cis-1,2-Dichloroethene	20.0	21.6	108	80-125	
cis-1,3-Dichloropropene	20.0	19.9	99	75-120	
Cyclohexane	20.0	22.8	114	68-126	
Dibromochloromethane	20.0	20.7	104	71-120	
Dichlorodifluoromethane	20.0	27.1	135	41-127	*+
Ethylbenzene	20.0	20.7	103	80-120	
Freon 113	20.0	24.9	125	73-139	
Isopropylbenzene	20.0	21.4	107	80-120	
Methyl acetate	20.0	20.4	102	54-136	
Methyl tertiary butyl ether	20.0	20.6	103	69-122	
Methylcyclohexane	20.0	23.7	119	67-121	
Methylene Chloride	20.0	21.1	105	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X33.D

Lab ID: LCS 410-258274/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	20.4	102	80-120	
Tetrachloroethene	20.0	21.4	107	80-120	
Toluene	20.0	21.0	105	80-120	
trans-1,2-Dichloroethene	20.0	19.9	99	80-126	
trans-1,3-Dichloropropene	20.0	20.3	102	67-120	
Trichloroethene	20.0	21.1	106	80-120	
Trichlorofluoromethane	20.0	24.5	123	55-135	
Vinyl chloride	20.0	21.9	110	56-120	
Xylenes, Total	60.0	63.3	106	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X34.D

Lab ID: LCSD 410-258274/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.9	105	1	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.6	98	1	30	72-120	
1,1,2-Trichloroethane	20.0	20.7	103	0	30	80-120	
1,1-Dichloroethane	20.0	19.2	96	4	30	80-120	
1,1-Dichloroethene	20.0	20.7	104	3	30	80-131	
1,2,4-Trichlorobenzene	20.0	19.2	96	4	30	63-120	
1,2,4-Trimethylbenzene	20.0	20.2	101	2	30	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.5	82	4	30	47-131	
1,2-Dibromoethane	20.0	20.7	104	0	30	77-120	
1,2-Dichlorobenzene	20.0	20.6	103	2	30	80-120	
1,2-Dichloroethane	20.0	20.0	100	3	30	73-124	
1,2-Dichloropropane	20.0	19.6	98	5	30	80-120	
1,3,5-Trimethylbenzene	20.0	20.5	103	1	30	75-120	
1,3-Dichlorobenzene	20.0	20.4	102	2	30	80-120	
1,4-Dichlorobenzene	20.0	20.4	102	3	30	80-120	
2-Butanone	250	232	93	2	30	59-135	
2-Hexanone	250	246	99	2	30	56-135	
4-Methyl-2-pentanone	250	245	98	3	30	62-133	
Acetone	250	273	109	5	30	54-157	
Benzene	20.0	20.4	102	2	30	80-120	
Bromodichloromethane	20.0	20.3	102	3	30	71-120	
Bromoform	20.0	18.9	95	3	30	51-120	
Bromomethane	20.0	23.0	115	1	30	53-128	
Carbon disulfide	20.0	21.2	106	3	30	65-128	
Carbon tetrachloride	20.0	21.2	106	3	30	64-134	
Chlorobenzene	20.0	20.7	104	0	30	80-120	
Chloroethane	20.0	22.6	113	2	30	55-123	
Chloroform	20.0	20.3	102	3	30	80-120	
Chloromethane	20.0	20.7	103	5	30	56-121	
cis-1,2-Dichloroethene	20.0	21.0	105	2	30	80-125	
cis-1,3-Dichloropropene	20.0	19.3	97	3	30	75-120	
Cyclohexane	20.0	22.3	111	2	30	68-126	
Dibromochloromethane	20.0	20.2	101	3	30	71-120	
Dichlorodifluoromethane	20.0	26.5	133	2	30	41-127	*+
Ethylbenzene	20.0	20.6	103	0	30	80-120	
Freon 113	20.0	23.3	116	7	30	73-139	
Isopropylbenzene	20.0	21.2	106	1	30	80-120	
Methyl acetate	20.0	20.3	101	1	30	54-136	
Methyl tertiary butyl ether	20.0	20.0	100	3	30	69-122	
Methylcyclohexane	20.0	23.4	117	1	30	67-121	
Methylene Chloride	20.0	20.5	102	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X34.D

Lab ID: LCSD 410-258274/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	20.4	102	0	30	80-120	
Tetrachloroethene	20.0	21.4	107	0	30	80-120	
Toluene	20.0	21.0	105	0	30	80-120	
trans-1,2-Dichloroethene	20.0	19.8	99	0	30	80-126	
trans-1,3-Dichloropropene	20.0	19.9	100	2	30	67-120	
Trichloroethene	20.0	20.3	101	4	30	80-120	
Trichlorofluoromethane	20.0	24.4	122	1	30	55-135	
Vinyl chloride	20.0	21.5	107	2	30	56-120	
Xylenes, Total	60.0	62.5	104	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X45.D

Lab ID: 410-84076-1 MS Client ID: FBW001_MS_052022 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	23.5	117	67-126	
1,1,2,2-Tetrachloroethane	20.0	ND	19.9	99	72-120	
1,1,2-Trichloroethane	20.0	ND	20.9	105	80-120	
1,1-Dichloroethane	20.0	ND	21.2	106	80-120	
1,1-Dichloroethene	20.0	ND	23.6	118	80-131	
1,2,4-Trichlorobenzene	20.0	ND	19.6	98	63-120	
1,2,4-Trimethylbenzene	20.0	ND	22.0	110	75-120	
1,2-Dibromo-3-Chloropropane	20.0	ND	16.5	83	47-131	
1,2-Dibromoethane	20.0	ND	21.2	106	77-120	
1,2-Dichlorobenzene	20.0	ND	21.3	107	80-120	
1,2-Dichloroethane	20.0	ND	20.7	103	73-124	
1,2-Dichloropropane	20.0	ND	21.5	108	80-120	
1,3,5-Trimethylbenzene	20.0	ND	22.5	112	75-120	
1,3-Dichlorobenzene	20.0	ND	21.8	109	80-120	
1,4-Dichlorobenzene	20.0	ND	21.9	109	80-120	
2-Butanone	250	ND	232	93	59-135	
2-Hexanone	250	ND	248	99	56-135	
4-Methyl-2-pentanone	250	ND	250	100	62-133	
Acetone	250	ND	293	117	54-157	
Benzene	20.0	ND	22.6	113	80-120	
Bromodichloromethane	20.0	ND	21.6	108	71-120	
Bromoform	20.0	ND	19.6	98	51-120	
Bromomethane	20.0	ND	25.8	129	53-128	F1
Carbon disulfide	20.0	ND	24.1	120	65-128	
Carbon tetrachloride	20.0	ND	24.9	125	64-134	
Chlorobenzene	20.0	ND	22.6	113	80-120	
Chloroethane	20.0	ND	26.6	133	55-123	F1
Chloroform	20.0	ND	22.4	112	80-120	
Chloromethane	20.0	ND	24.1	120	56-121	
cis-1,2-Dichloroethene	20.0	ND	23.1	116	80-125	
cis-1,3-Dichloropropene	20.0	ND	20.2	101	75-120	
Cyclohexane	20.0	ND	27.1	135	68-126	F1
Dibromochloromethane	20.0	ND	21.0	105	71-120	
Dichlorodifluoromethane	20.0	ND	32.1	160	41-127	F1
Ethylbenzene	20.0	ND	23.0	115	80-120	
Freon 113	20.0	ND	29.2	146	73-139	F1
Isopropylbenzene	20.0	ND	23.9	119	80-120	
Methyl acetate	20.0	ND	18.5	93	54-136	
Methyl tertiary butyl ether	20.0	ND	20.3	101	69-122	
Methylcyclohexane	20.0	ND	28.9	145	67-121	F1
Methylene Chloride	20.0	ND	22.2	111	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X45.D

Lab ID: 410-84076-1 MS Client ID: FBW001_MS_052022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	ND	22.2	111	80-120	
Tetrachloroethene	20.0	ND	24.5	123	80-120	F1
Toluene	20.0	ND	23.0	115	80-120	
trans-1,2-Dichloroethene	20.0	ND	22.6	113	80-126	
trans-1,3-Dichloropropene	20.0	ND	20.5	103	67-120	
Trichloroethene	20.0	ND	23.1	115	80-120	
Trichlorofluoromethane	20.0	ND	30.3	152	55-135	F1
Vinyl chloride	20.0	ND	25.6	128	56-120	F1
Xylenes, Total	60.0	ND	69.4	116	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X46.D

Lab ID: 410-84076-1 MSD Client ID: FBW001_MSD_052022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.9	120	2	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.5	98	2	30	72-120	
1,1,2-Trichloroethane	20.0	20.8	104	0	30	80-120	
1,1-Dichloroethane	20.0	21.6	108	2	30	80-120	
1,1-Dichloroethene	20.0	23.9	119	1	30	80-131	
1,2,4-Trichlorobenzene	20.0	20.1	100	3	30	63-120	
1,2,4-Trimethylbenzene	20.0	22.0	110	0	30	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.6	83	1	30	47-131	
1,2-Dibromoethane	20.0	20.9	105	1	30	77-120	
1,2-Dichlorobenzene	20.0	21.5	107	1	30	80-120	
1,2-Dichloroethane	20.0	21.1	106	2	30	73-124	
1,2-Dichloropropane	20.0	21.6	108	0	30	80-120	
1,3,5-Trimethylbenzene	20.0	22.6	113	0	30	75-120	
1,3-Dichlorobenzene	20.0	22.2	111	2	30	80-120	
1,4-Dichlorobenzene	20.0	21.4	107	2	30	80-120	
2-Butanone	250	237	95	2	30	59-135	
2-Hexanone	250	244	98	2	30	56-135	
4-Methyl-2-pentanone	250	250	100	0	30	62-133	
Acetone	250	298	119	2	30	54-157	
Benzene	20.0	23.0	115	2	30	80-120	
Bromodichloromethane	20.0	22.2	111	3	30	71-120	
Bromoform	20.0	19.0	95	3	30	51-120	
Bromomethane	20.0	26.3	132	2	30	53-128	F1
Carbon disulfide	20.0	24.7	123	3	30	65-128	
Carbon tetrachloride	20.0	25.5	127	2	30	64-134	
Chlorobenzene	20.0	22.3	111	2	30	80-120	
Chloroethane	20.0	26.4	132	1	30	55-123	F1
Chloroform	20.0	22.8	114	2	30	80-120	
Chloromethane	20.0	24.7	124	3	30	56-121	F1
cis-1,2-Dichloroethene	20.0	23.5	117	2	30	80-125	
cis-1,3-Dichloropropene	20.0	20.5	102	1	30	75-120	
Cyclohexane	20.0	27.8	139	3	30	68-126	F1
Dibromochloromethane	20.0	20.8	104	1	30	71-120	
Dichlorodifluoromethane	20.0	33.2	166	3	30	41-127	F1
Ethylbenzene	20.0	22.8	114	1	30	80-120	
Freon 113	20.0	29.6	148	2	30	73-139	F1
Isopropylbenzene	20.0	23.5	118	2	30	80-120	
Methyl acetate	20.0	18.7	94	1	30	54-136	
Methyl tertiary butyl ether	20.0	20.6	103	2	30	69-122	
Methylcyclohexane	20.0	29.3	146	1	30	67-121	F1
Methylene Chloride	20.0	22.1	111	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LY23X46.D

Lab ID: 410-84076-1 MSD Client ID: FBW001_MSD_052022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	22.0	110	1	30	80-120	
Tetrachloroethene	20.0	24.1	120	2	30	80-120	
Toluene	20.0	22.8	114	1	30	80-120	
trans-1,2-Dichloroethene	20.0	22.3	112	1	30	80-126	
trans-1,3-Dichloropropene	20.0	20.7	103	1	30	67-120	
Trichloroethene	20.0	23.5	117	2	30	80-120	
Trichlorofluoromethane	20.0	30.8	154	2	30	55-135	F1
Vinyl chloride	20.0	25.8	129	1	30	56-120	F1
Xylenes, Total	60.0	68.8	115	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Lab File ID: LY23X36.D Lab Sample ID: MB 410-258274/7

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

Instrument ID: 9915 Date Analyzed: 05/23/2022 22:45

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 410-258274/4	LY23X33.D	05/23/2022 21:39
	LCSD 410-258274/5	LY23X34.D	05/23/2022 22:01
FBW001_FB_052022	410-84076-3	LY23X41.D	05/24/2022 00:35
FBW001_TB_052022	410-84076-7	LY23X42.D	05/24/2022 00:56
FBS010_TB_052022	410-84076-8	LY23X43.D	05/24/2022 01:18
FBW001_052022	410-84076-1	LY23X44.D	05/24/2022 01:40
FBW001_MS_052022 MS	410-84076-1 MS	LY23X45.D	05/24/2022 02:02
FBW001_MSD_052022 MSD	410-84076-1 MSD	LY23X46.D	05/24/2022 02:24
FBS010_052022	410-84076-4	LY23X52.D	05/24/2022 04:35
FBS010_DUP-1_052022	410-84076-5	LY23X53.D	05/24/2022 04:57

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: LY17T01.D BFB Injection Date: 05/17/2022

Instrument ID: 9915 BFB Injection Time: 11:07

Analysis Batch No.: 256013

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.7	
75	30.0 - 60.0 % of mass 95	47.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	Greater than 50% of mass 95	77.1	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.1	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-256013/15	LY17X15.D	05/17/2022	13:25
	IC 410-256013/16	LY17X16.D	05/17/2022	13:47
	IC 410-256013/17	LY17X17.D	05/17/2022	14:09
	IC 410-256013/11	LY17X19.D	05/17/2022	14:53
	IC 410-256013/12	LY17X20.D	05/17/2022	15:15
	ICV 410-256013/19	LY17X21.D	05/17/2022	15:37
	IC 410-256013/13	LY17X23.D	05/17/2022	17:58
	IC 410-256013/14	LY17X24.D	05/17/2022	18:20

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: LY23T31.D BFB Injection Date: 05/23/2022

Instrument ID: 9915 BFB Injection Time: 20:36

Analysis Batch No.: 258274

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.6	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	Greater than 50% of mass 95	79.0	
175	5.0 - 9.0 % of mass 174	5.6	(7.1) 1
176	95.0 - 101.0 % of mass 174	76.3	(96.5) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.2) 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 410-258274/3	LY23X32.D	05/23/2022	21:17
	LCS 410-258274/4	LY23X33.D	05/23/2022	21:39
	LCSD 410-258274/5	LY23X34.D	05/23/2022	22:01
	MB 410-258274/7	LY23X36.D	05/23/2022	22:45
FBW001_FB_052022	410-84076-3	LY23X41.D	05/24/2022	0:35
FBW001_TB_052022	410-84076-7	LY23X42.D	05/24/2022	0:56
FBS010_TB_052022	410-84076-8	LY23X43.D	05/24/2022	1:18
FBW001_052022	410-84076-1	LY23X44.D	05/24/2022	1:40
FBW001_MS_052022 MS	410-84076-1 MS	LY23X45.D	05/24/2022	2:02
FBW001_MSD_052022 MSD	410-84076-1 MSD	LY23X46.D	05/24/2022	2:24
FBS010_052022	410-84076-4	LY23X52.D	05/24/2022	4:35
FBS010_DUP-1_052022	410-84076-5	LY23X53.D	05/24/2022	4:57

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-256013/15 Date Analyzed: 05/17/2022 13:25

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LY17X15.D Heated Purge: (Y/N) N

Calibration ID: 38361

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		276385	4.43	1188475	7.91	921084	11.32
UPPER LIMIT		552770	4.93	2376950	8.41	1842168	11.82
LOWER LIMIT		138193	3.93	594238	7.41	460542	10.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-256013/19		262378	4.44	1150455	7.91	888495	11.32
CCVIS 410-258274/3		203025	4.42	1044771	7.90	820299	11.32

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-256013/15 Date Analyzed: 05/17/2022 13:25

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LY17X15.D Heated Purge: (Y/N) N

Calibration ID: 38361

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		498273	13.19				
UPPER LIMIT		996546	13.69				
LOWER LIMIT		249137	12.69				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-256013/19		470390	13.19				
CCVIS 410-258274/3		439037	13.19				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-258274/3 Date Analyzed: 05/23/2022 21:17

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LY23X32.D Heated Purge: (Y/N) N

Calibration ID: 38361

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		203025	4.42	1044771	7.90	820299	11.32
UPPER LIMIT		406050	4.92	2089542	8.40	1640598	11.82
LOWER LIMIT		101513	3.92	522386	7.40	410150	10.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-258274/4		203648	4.44	1056493	7.91	831400	11.32
LCSD 410-258274/5		207103	4.45	1087429	7.91	840586	11.32
MB 410-258274/7		207612	4.43	1016434	7.90	779645	11.32
410-84076-3	FBW001_FB_052022	170050	4.42	937699	7.90	727855	11.32
410-84076-7	FBW001_TB_052022	175485	4.43	929727	7.90	718258	11.32
410-84076-8	FBS010_TB_052022	167459	4.44	923462	7.90	725697	11.32
410-84076-1	FBW001_052022	183321	4.43	938348	7.90	731529	11.32
410-84076-1 MS	FBW001_MS_052022 MS	184857	4.43	993046	7.90	788292	11.32
410-84076-1 MSD	FBW001_MSD_052022 MSD	186653	4.45	1026049	7.90	823433	11.32
410-84076-4	FBS010_052022	181035	4.44	910550	7.90	720617	11.32
410-84076-5	FBS010_DUP-1_052022	201589	4.43	943062	7.90	734381	11.32

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-258274/3 Date Analyzed: 05/23/2022 21:17

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LY23X32.D Heated Purge: (Y/N) N

Calibration ID: 38361

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		439037	13.19				
UPPER LIMIT		878074	13.69				
LOWER LIMIT		219519	12.69				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-258274/4		446542	13.19				
LCSD 410-258274/5		454740	13.19				
MB 410-258274/7		414002	13.19				
410-84076-3	FBW001_FB_052022	396904	13.19				
410-84076-7	FBW001_TB_052022	378080	13.19				
410-84076-8	FBS010_TB_052022	383554	13.19				
410-84076-1	FBW001_052022	396025	13.19				
410-84076-1 MS	FBW001_MS_052022 MS	433297	13.19				
410-84076-1 MSD	FBW001_MSD_052022 MSD	446978	13.19				
410-84076-4	FBS010_052022	384272	13.19				
410-84076-5	FBS010_DUP-1_052022	393332	13.19				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Matrix: Water Lab File ID: LY23X44.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 01:40

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.: 258274 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	0.30
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	0.40
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	F1	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	F1	1.0	0.20
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	F1	1.0	0.20
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	F1	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.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Matrix: Water Lab File ID: LY23X44.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 01:40

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ F1 cn	1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND	F1	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	F1	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	F1	1.0	0.30
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
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	F1 cn	1.0	0.20
75-01-4	Vinyl chloride	ND	F1	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\9915\20220523-57907.b\LY23X44.D
Lims ID: 410-84076-C-1
Client ID: FBW001_052022
Sample Type: Client
Inject. Date: 24-May-2022 01:40:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-015
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 00:25:14 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: innoonk Date: 24-May-2022 13:43:04

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		2.027				ND	
2	Dichlorodifluoromethane	85		2.062				ND	
3	Chlorodifluoromethane	51		2.085				ND	
4	Chloromethane	50		2.271				ND	
6	Vinyl chloride	62		2.393				ND	
5	Butadiene	39		2.393				ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.484				ND	
8	Bromomethane	94		2.744				ND	
9	Chloroethane	64		2.827				ND	
10	Dichlorofluoromethane	67		3.072				ND	
11	Trichlorofluoromethane	101		3.085				ND	
12	Pentane	43		3.184				ND	7
13	Ethanol	45		3.262				ND	
14	Ethyl ether	59		3.400				ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.496				ND	
16	Acrolein	56		3.580				ND	7
17	1,1-Dichloroethene	96		3.725				ND	
18	Acetone	58		3.750				ND	
19	112TCTFE	101		3.763				ND	
20	Iodomethane	142		3.930				ND	
21	Isopropyl alcohol	45		3.937				ND	
22	Carbon disulfide	76		4.033				ND	
23	Acetonitrile	41		4.149				ND	7
24	Methyl acetate	43		4.191				ND	
25	3-Chloro-1-propene	41		4.223				ND	
* 27	t-Butyl alcohol-d10 (IS)	65	4.426	4.419	0.007	48	183321	250.0	
26	Methylene Chloride	84		4.422				ND	
28	2-Methyl-2-propanol	59		4.567				ND	
29	Acrylonitrile	53		4.763				ND	
31	Methyl tert-butyl ether	73		4.834				ND	
32	trans-1,2-Dichloroethene	96		4.834				ND	
33	Hexane	57		5.268				ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	35 1,1-Dichloroethane	63		5.496				ND	
	34 Vinyl acetate	43		5.496				ND	
	36 Isopropyl ether	45		5.554				ND	
	37 2-Chloro-1,3-butadiene	53		5.602				ND	7
	38 Tert-butyl ethyl ether	59		6.081				ND	
S	39 1,2-Dichloroethene, Total	100		6.155				ND	7
	40 2-Butanone (MEK)	43		6.294				ND	7
	41 cis-1,2-Dichloroethene	96		6.326				ND	
	42 2,2-Dichloropropane	77		6.339				ND	
	43 Ethyl acetate	43		6.358				ND	7
	44 Propionitrile	54		6.380				ND	
	45 Methacrylonitrile	67		6.596				ND	
	46 Chlorobromomethane	128		6.654				ND	
	47 Tetrahydrofuran	71		6.657				ND	
	48 Chloroform	83		6.798				ND	
$	49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	92	235862	49.7	
	50 1,1,1-Trichloroethane	97		7.027				ND	
	51 Cyclohexane	56		7.123				ND	
	52 Carbon tetrachloride	117		7.232				ND	
	53 1,1-Dichloropropene	75		7.236				ND	
	54 Isobutyl alcohol	41		7.387				ND	
$	55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.464	0.003	97	56511	50.0	
	56 Benzene	78		7.499				ND	
	57 1,2-Dichloroethane	62		7.570				ND	7
	58 Isopropyl acetate	43		7.580				ND	
	59 Tert-amyl methyl ether	73		7.686				ND	
	60 t-Amyl alcohol	73	7.882	7.827	0.055	2	3216	NC	
*	61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	938348	50.0	
	62 n-Heptane	43		7.914				ND	
	63 n-Butanol	56		8.261				ND	
	64 Trichloroethene	95		8.377				ND	7
	65 Methylcyclohexane	83		8.689				ND	
	67 1,2-Dichloropropane	63		8.708				ND	7
	66 2-ethoxy-2-methyl butane	87		8.711				ND	
	68 Methyl methacrylate	69		8.789				ND	
	69 1,4-Dioxane	88		8.789				ND	
	70 Dibromomethane	93		8.824				ND	
	71 n-Propyl acetate	61		8.872				ND	
	72 Dichlorobromomethane	83		9.049				ND	
	73 2-Nitropropane	41		9.319				ND	
	74 2-Chloroethyl vinyl ether	63		9.403				ND	
	75 cis-1,3-Dichloropropene	75		9.586				ND	
T	76 Hexachloroethane TIC	117	10.580	9.737	0.843	1	69	0.003677	
	77 4-Methyl-2-pentanone (MIBK)	43		9.753				ND	
$	78 Toluene-d8 (Surr)	98	9.885	9.888	-0.003	94	969002	49.5	
	79 Toluene	92		9.962				ND	
T	80 Propionaldehyde TIC	58	9.927	10.000	-0.073	1	162	0.008632	
T	81 Isooctane TIC	57	9.917	10.000	-0.083	21	76	0.004050	
T	82 Ethyl acrylate TIC	55	9.895	10.000	-0.105	29	2006	0.1069	
S	83 1,3-Dichloropropene, Total	100		10.060				ND	7
	84 trans-1,3-Dichloropropene	75		10.210				ND	
	85 Ethyl methacrylate	69		10.264				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
88 1,3-Dichloropropane	76		10.570				ND	
89 3,4-Dichloro-1-butene	75		10.609				ND	
90 2-Hexanone	43		10.621				ND	
91 n-Butyl acetate	43		10.734				ND	
92 Chlorodibromomethane	129		10.782				ND	
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	731529	50.0	
96 1-Chlorohexane	91		11.326				ND	7
97 Chlorobenzene	112		11.348				ND	
98 1,1,1,2-Tetrachloroethane	131		11.425				ND	
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
105 cis-1,4-Dichloro-2-butene	88		12.213				ND	
106 Cyclohexanone	55		12.242				ND	7
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	88	350072	47.6	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	7
109 Bromobenzene	156		12.428				ND	
110 trans-1,4-Dichloro-2-butene	53		12.435				ND	
111 1,2,3-Trichloropropane	110		12.454				ND	
112 N-Propylbenzene	91		12.496				ND	
113 2-Chlorotoluene	126		12.573				ND	
114 1,3,5-Trimethylbenzene	105		12.628				ND	
115 4-Chlorotoluene	126		12.666				ND	
116 2,3,4-Trichlorobutene	109		12.699				ND	
117 tert-Butylbenzene	134		12.869				ND	
118 Pentachloroethane	167		12.904				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	
120 sec-Butylbenzene	105		13.033				ND	
121 1,3-Dichlorobenzene	146		13.133				ND	7
122 4-Isopropyltoluene	119		13.139				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	396025	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
125 1,2,3-Trimethylbenzene	105		13.216				ND	7
126 Benzyl chloride	91		13.280				ND	7
127 1,3-Diethylbenzene	119		13.338				ND	7
128 p-Diethylbenzene	119		13.409				ND	7
129 n-Butylbenzene	92		13.428				ND	
130 1,2-Dichlorobenzene	146		13.467				ND	
131 o-diethylbenzene	119		13.483				ND	7
132 Hexachloroethane	201		13.560				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	
134 1,3,5-Trichlorobenzene	180		14.129				ND	7
135 1,2,4-Trichlorobenzene	180		14.554				ND	7
136 Hexachlorobutadiene	225		14.634				ND	
137 Naphthalene	128		14.737				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
138 1,2,3-Trichlorobenzene	180		14.882				ND	
139 2-Methylnaphthalene	142		15.522				ND	7
140 C4-C10	1		0.000				ND	
216 C4-C12	1		0.000				ND	
177 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
160 N-Nitrosodi-n-butylamine TIC	1		0.000				ND	
161 2,3-Dibromo-1-propanol TIC	1		0.000				ND	
162 Propene oxide TIC	1		0.000				ND	
163 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
164 1-Methyl-2-pyrrilidinone TIC	1		0.000				ND	
165 n-Propylamine (TIC)	1		0.000				ND	
166 beta-Propiolactone TIC	1		0.000				ND	
168 n-butyl Acetate TIC	1		0.000				ND	
223 3-Methyl-1-butene	1		0.000				ND	
176 Nitrobenzene TIC	1		0.000				ND	
170 Ethanol TIC	1		0.000				ND	
171 1-Chlorobutane TIC	1		0.000				ND	
172 Epichlorohydrin TIC	1		0.000				ND	
173 Monochloroacetic acid TIC	1		0.000				ND	
174 Propargyl alcohol TIC	1		0.000				ND	
175 Pentafluorobenzene TIC	1		0.000				ND	
159 1,2,3,4-Diepoxybutane (TIC)	1		0.000				ND	
158 Propene oxide	1		0.000				ND	
157 1-Chlorobutane	1		0.000				ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
169 o-toluidine TIC	1		0.000				ND	
224 Propanol	1		0.000				ND	
225 n-Nonane	1		0.000				ND	
226 Isobutyl acetate	43		0.000				ND	
249 n-Nonane TIC	1		0.000				ND	
248 Diethoxymethane TIC	1		0.000				ND	
247 Tetranitromethane TIC	1		0.000				ND	
246 Chlorotrifluoromethane TIC	1		0.000				ND	
245 n-Octane TIC	1		0.000				ND	
244 divinyl benzene TIC	1		0.000				ND	
243 Methyl Isothiocyanate TIC	1		0.000				ND	
242 Thiophene TIC	1		0.000				ND	
241 tert-amyl alcohol TIC	1		0.000				ND	
240 Limonene TIC	1		0.000				ND	
239 1,2,4,5-Tetramethylbenzene TIC	1		0.000				ND	
238 Hexachlorobenzene TIC	1		0.000				ND	
237 Decane TIC	1		0.000				ND	
236 Furan TIC	1		0.000				ND	
235 4-Ethyltoluene TIC	1		0.000				ND	
234 tert-Butyl acetate TIC	1		0.000				ND	
233 Dichloro-1,1,2,	1		0.000				ND	
232 Undecane TIC	1		0.000				ND	
S 231 Total BTEX	1		0.000				ND	
230 sec-Butyl Alcohol	45		0.000				ND	
229 4-Ethyltoluene	1		0.000				ND	
228 Undecane	1		0.000				ND	
227 n-Octane	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
141 Methyl acrylate	1		0.000				ND	
250 Methyal TIC	1		0.000				ND	
142 C6-C10	1		0.000				ND	
144 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
212 1-Bromopropane TIC	1		0.000				ND	
213 Bromoacetone (TIC)	1		0.000				ND	
214 Methanol TIC	1		0.000				ND	
198 2-Bromo-3-chloropropene TIC	1		0.000				ND	
197 Propane TIC	1		0.000				ND	
196 Ethyl Acetate TIC	1		0.000				ND	
195 Vinyl bromide TIC	1		0.000				ND	
180 Bis(2-chloroethyl)sulfide (TIC)	1		0.000				ND	
181 Malononitrile (TIC)	1		0.000				ND	
182 Epibromohydrin TIC	1		0.000				ND	
211 Paraldehyde TIC	1		0.000				ND	
183 2-Picoline (TIC)	1		0.000				ND	
185 Vinyl acetate (TIC)	1		0.000				ND	
186 2-Bromoethanol TIC	1		0.000				ND	
187 2-Methylbutane TIC	1		0.000				ND	
188 Ethyl ether TIC	1		0.000				ND	
189 Propanol TIC	1		0.000				ND	
190 Acetonitrile TIC	1		0.000				ND	
191 2-Chloroethanol TIC	1		0.000				ND	
192 1,3-Dichlorobutene-2(total) TIC	1		0.000				ND	
193 Allyl Alcohol TIC	1		0.000				ND	
194 2,3-Dibromopropene TIC	1		0.000				ND	
184 Chloroacetaldehyde TIC	1		0.000				ND	
210 Ethylene oxide TIC	1		0.000				ND	
209 1-Bromo-2-chloroethane TIC	1		0.000				ND	
215 2-Pentanone (TIC)	1		0.000				ND	
S 145 Total Diethylbenzene	1		0.000				ND	7
146 C5-C12	1		0.000				ND	
147 tert-Butyl Formate	1		0.000				ND	
148 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
149 1,4-Divinylbenzene	1		0.000				ND	
150 n-Decane	57		0.000				ND	
151 Methylal	1		0.000				ND	
S 152 divinyl benzene	1		0.000				ND	7
153 Chloroacetonitrile	1		0.000				ND	
154 1,3-Divinylbenzene	1		0.000				ND	
155 Butane	1		0.000				ND	
167 Ethyl acrylate	55		0.000				ND	
178 Bromoethane TIC	1		0.000				ND	
206 Chloral hydrate (TIC)	1		0.000				ND	
179 1,3-Dichloro-2-propanol TIC	1		0.000				ND	
199 3-Chloro-1,2-propanediol TIC	1		0.000				ND	
200 Chlorodifluoromethane TIC	1		0.000				ND	
201 Diethoxymethane	1		0.000				ND	
202 Dodecane	57		0.000				ND	
203 Ethyl bromide	1		0.000				ND	
204 1-Bromo-2-chloroethane	1		0.000				ND	
205 C6-C12	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
207 Pentachloroethane TIC	1		0.000				ND	
143 3-chloro-1-Butene	1		0.000				ND	
251 Butane TIC	1		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

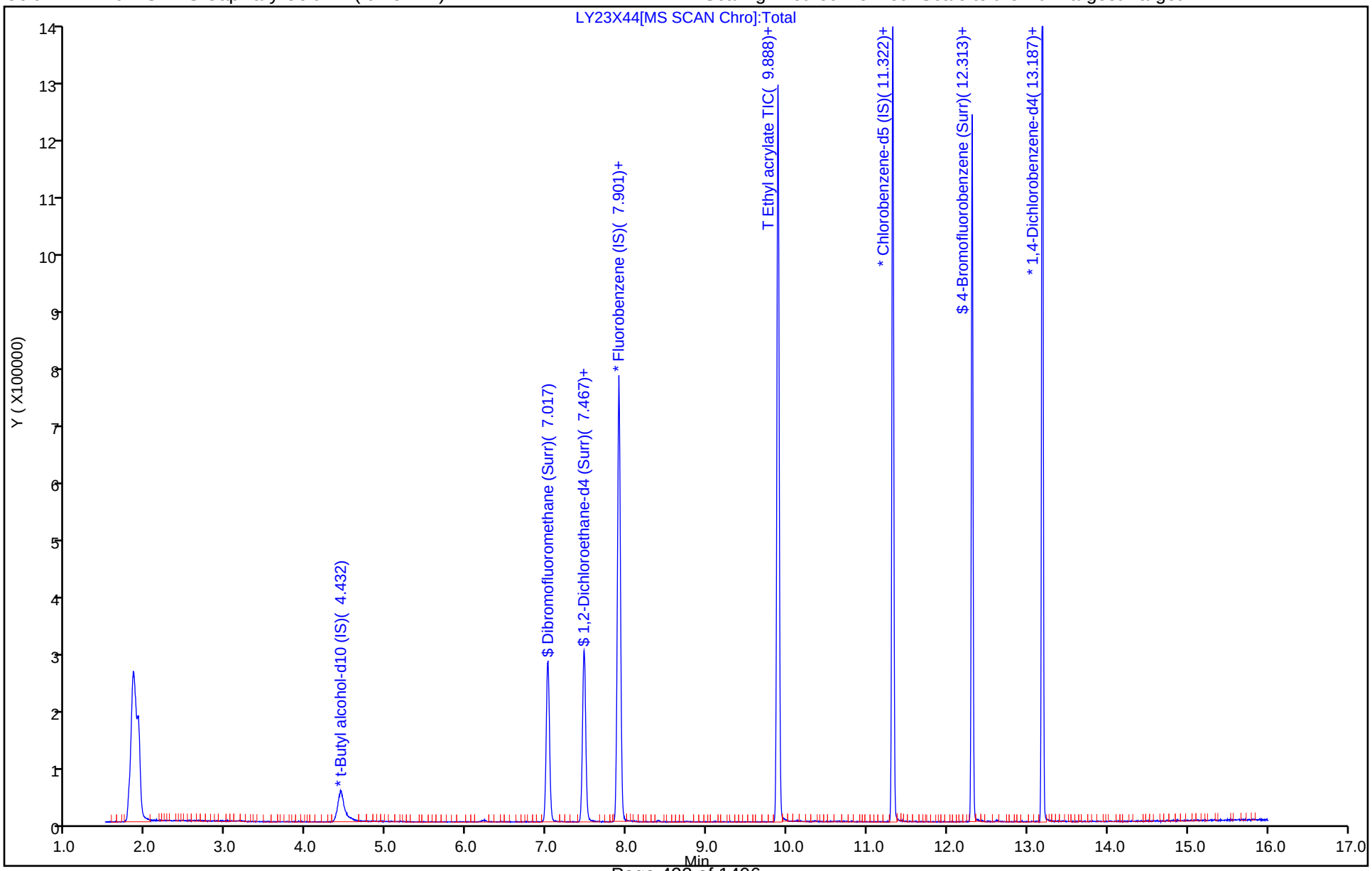
Report Date: 24-May-2022 13:43:05 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X44.D

Injection Date:	24-May-2022 01:40:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-1	Lab Sample ID:	410-84076-1	Worklist Smp#:	15
Client ID:	FBW001_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X44.D
Lims ID: 410-84076-C-1
Client ID: FBW001_052022
Sample Type: Client
Inject. Date: 24-May-2022 01:40:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-015
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 00:25:14 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: innoonk Date: 24-May-2022 13:43:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.7	99.36
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.0	99.98
$ 78 Toluene-d8 (Surr)	50.0	49.5	98.98
$ 107 4-Bromofluorobenzene (Surr)	50.0	47.6	95.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Matrix: Water Lab File ID: LY23X41.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:27

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 00:35

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.: 258274 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	0.30
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	0.40
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	10	J	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	0.90	J	1.0	0.30
74-87-3	Chloromethane	ND		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Matrix: Water Lab File ID: LY23X41.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:27

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 00:35

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ cn	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		1.0	0.30
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	cn	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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\9915\20220523-57907.b\LY23X41.D
Lims ID: 410-84076-C-3
Client ID: FBW001_FB_052022
Sample Type: Client
Inject. Date: 24-May-2022 00:35:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-012
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 13:04:56 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: innoonk Date: 24-May-2022 13:04:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		2.062				ND	
4 Chloromethane	50		2.271				ND	
6 Vinyl chloride	62		2.393				ND	
8 Bromomethane	94		2.744				ND	
9 Chloroethane	64		2.827				ND	
11 Trichlorofluoromethane	101		3.085				ND	
17 1,1-Dichloroethene	96		3.725				ND	
18 Acetone	58	3.757	3.750	0.007	93	4542	9.98	
19 112TCTFE	101		3.763				ND	
22 Carbon disulfide	76		4.033				ND	
24 Methyl acetate	43		4.191				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.422	4.419	0.003	48	170050	250.0	
26 Methylene Chloride	84		4.422				ND	
31 Methyl tert-butyl ether	73		4.834				ND	
32 trans-1,2-Dichloroethene	96		4.834				ND	
35 1,1-Dichloroethane	63		5.496				ND	
40 2-Butanone (MEK)	43		6.294				ND	U
41 cis-1,2-Dichloroethene	96		6.326				ND	
48 Chloroform	83	6.802	6.798	0.004	67	6734	0.8969	
$ 49 Dibromofluoromethane (Surr)	113	7.007	7.017	-0.010	91	235154	49.6	
50 1,1,1-Trichloroethane	97		7.027				ND	
51 Cyclohexane	56		7.123				ND	
52 Carbon tetrachloride	117		7.232				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.461	7.464	-0.003	97	55679	49.3	
56 Benzene	78		7.499				ND	
57 1,2-Dichloroethane	62		7.570				ND	7
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	937699	50.0	
64 Trichloroethene	95		8.377				ND	
65 Methylcyclohexane	83		8.689				ND	
67 1,2-Dichloropropane	63		8.708				ND	
72 Dichlorobromomethane	83	9.052	9.049	0.003	1	776	0.1349	
75 cis-1,3-Dichloropropene	75		9.586				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		9.753				ND	7
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	968464	49.7	
79 Toluene	92		9.962				ND	
84 trans-1,3-Dichloropropene	75		10.210				ND	
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
90 2-Hexanone	43		10.621				ND	
92 Chlorodibromomethane	129		10.782				ND	7
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	86	727855	50.0	
97 Chlorobenzene	112		11.348				ND	
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
$ 107 4-Bromofluorobenzene (Surr)	95	12.309	12.309	0.000	88	348944	47.7	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	7
114 1,3,5-Trimethylbenzene	105		12.628				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	7
121 1,3-Dichlorobenzene	146		13.133				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	396904	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
130 1,2-Dichlorobenzene	146		13.467				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	
135 1,2,4-Trichlorobenzene	180		14.554				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

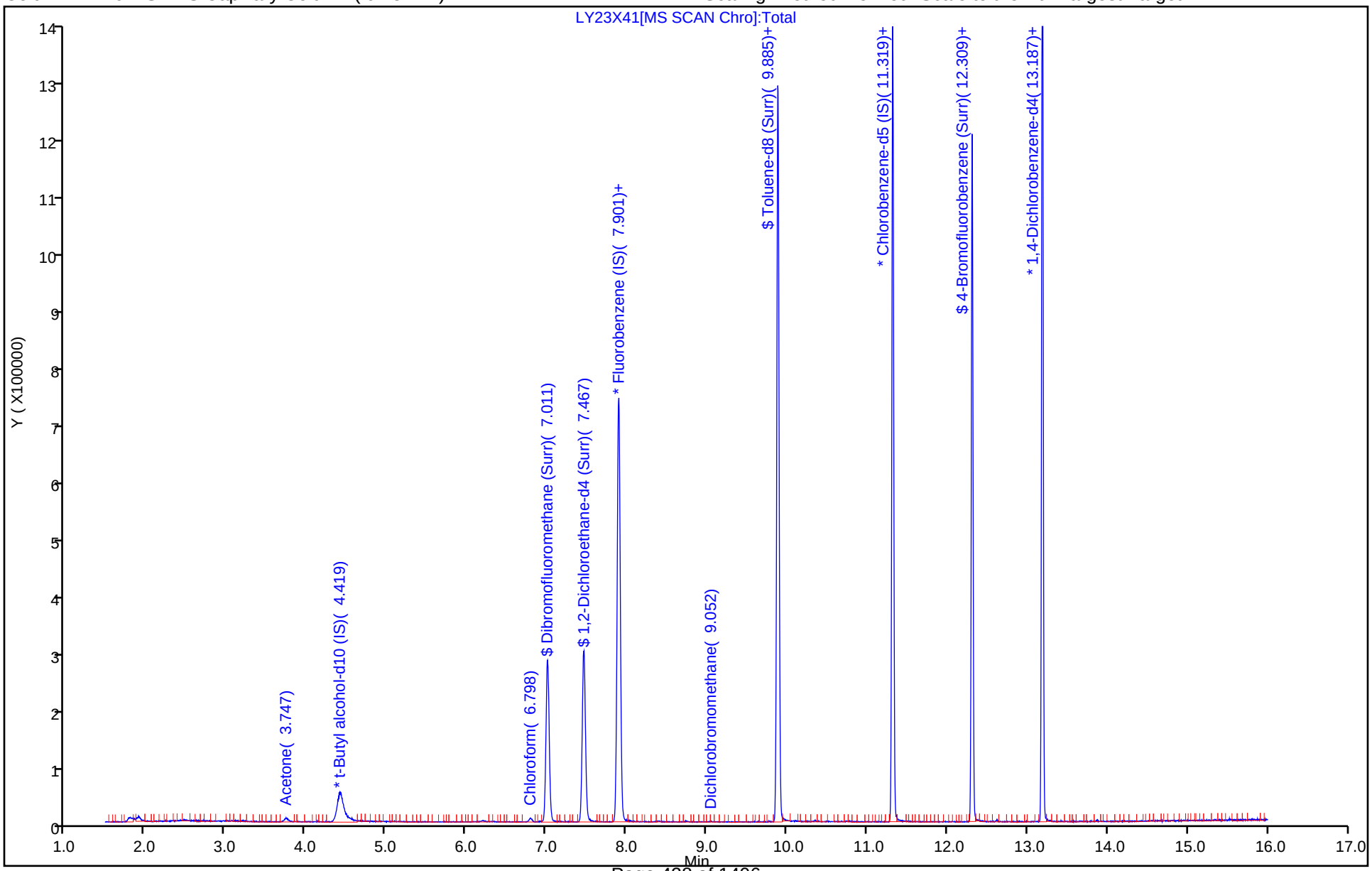
Report Date: 24-May-2022 13:04:56 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X41.D

Injection Date:	24-May-2022 00:35:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-3	Lab Sample ID:	410-84076-3	Worklist Smp#:	12
Client ID:	FBW001_FB_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X41.D				
Lims ID:	410-84076-C-3				
Client ID:	FBW001_FB_052022				
Sample Type:	Client				
Inject. Date:	24-May-2022 00:35:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0057907-012				
Operator ID:	MEC29284	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-May-2022 13:04:56	Calib Date:	17-May-2022 18:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1667				

First Level Reviewer: innoonk Date: 24-May-2022 13:04:56

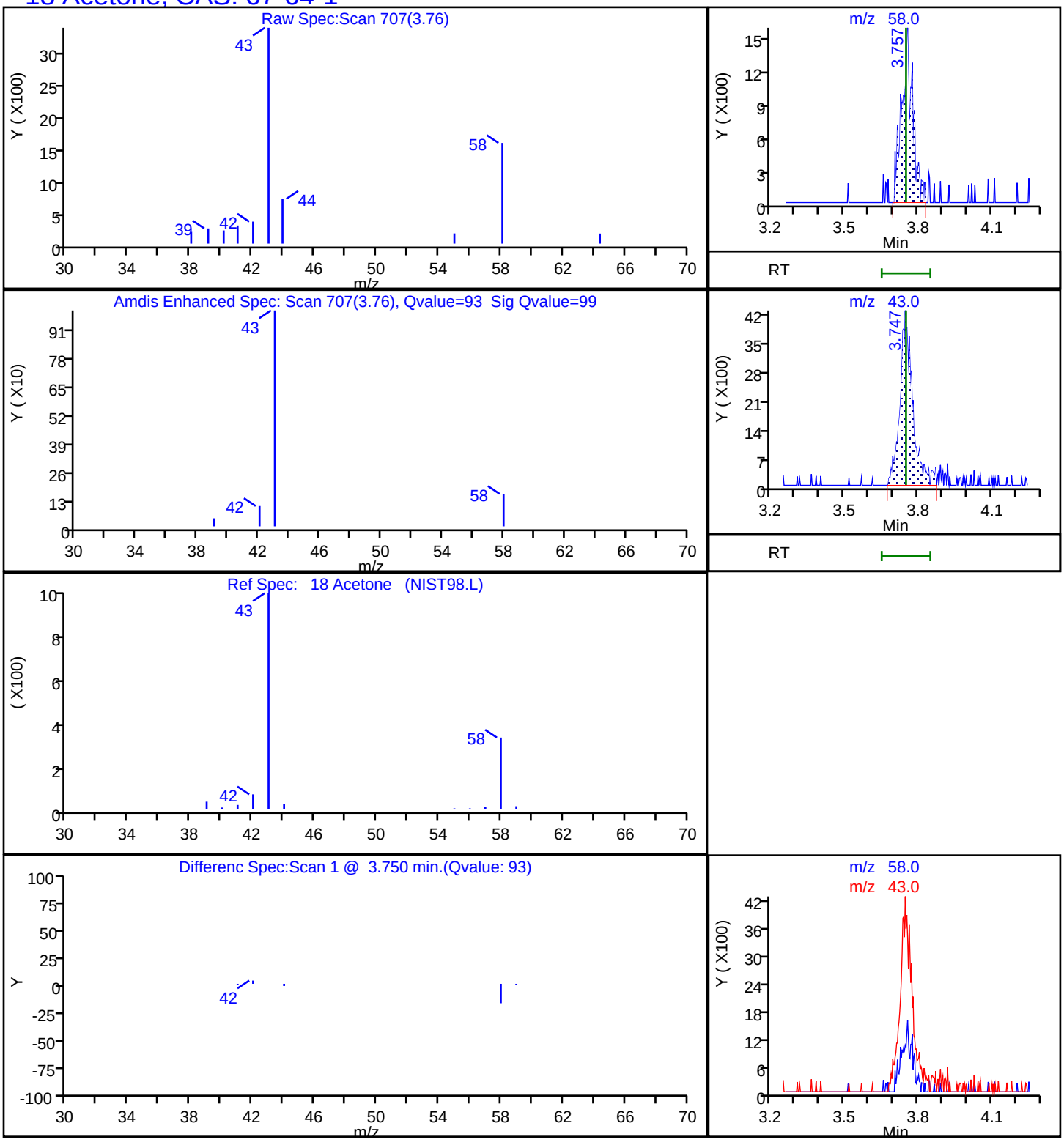
Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.6	99.13
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.3	98.57
$ 78 Toluene-d8 (Surr)	50.0	49.7	99.43
$ 107 4-Bromofluorobenzene (Surr)	50.0	47.7	95.31

Report Date: 24-May-2022 13:04:56 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X41.D				
Injection Date:	24-May-2022 00:35:30	Instrument ID:	9915		
Lims ID:	410-84076-C-3	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
Operator ID:	MEC29284	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

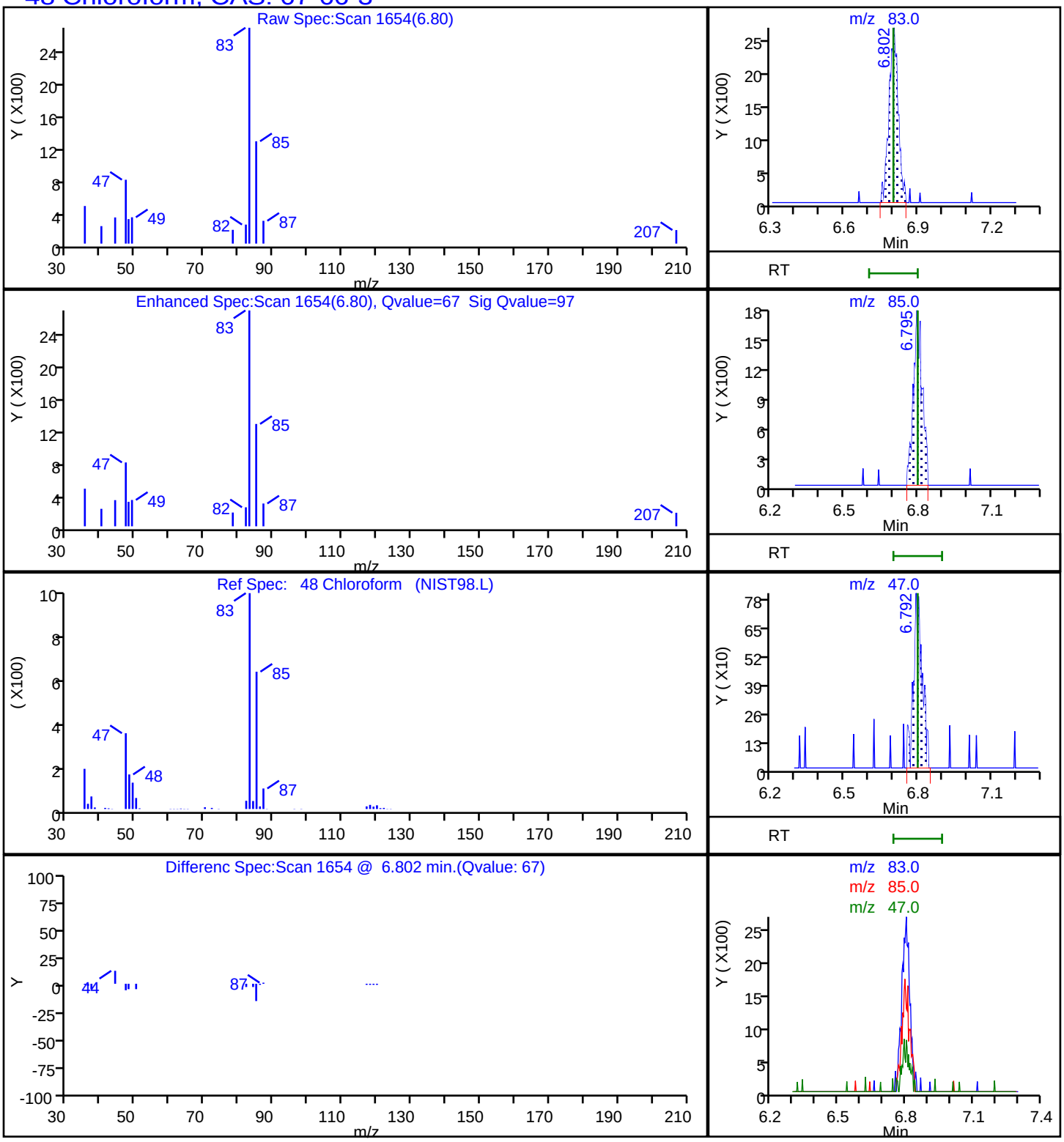


Report Date: 24-May-2022 13:04:56 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X41.D				
Injection Date:	24-May-2022 00:35:30	Instrument ID:	9915		
Lims ID:	410-84076-C-3	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
Operator ID:	MEC29284	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

48 Chloroform, CAS: 67-66-3



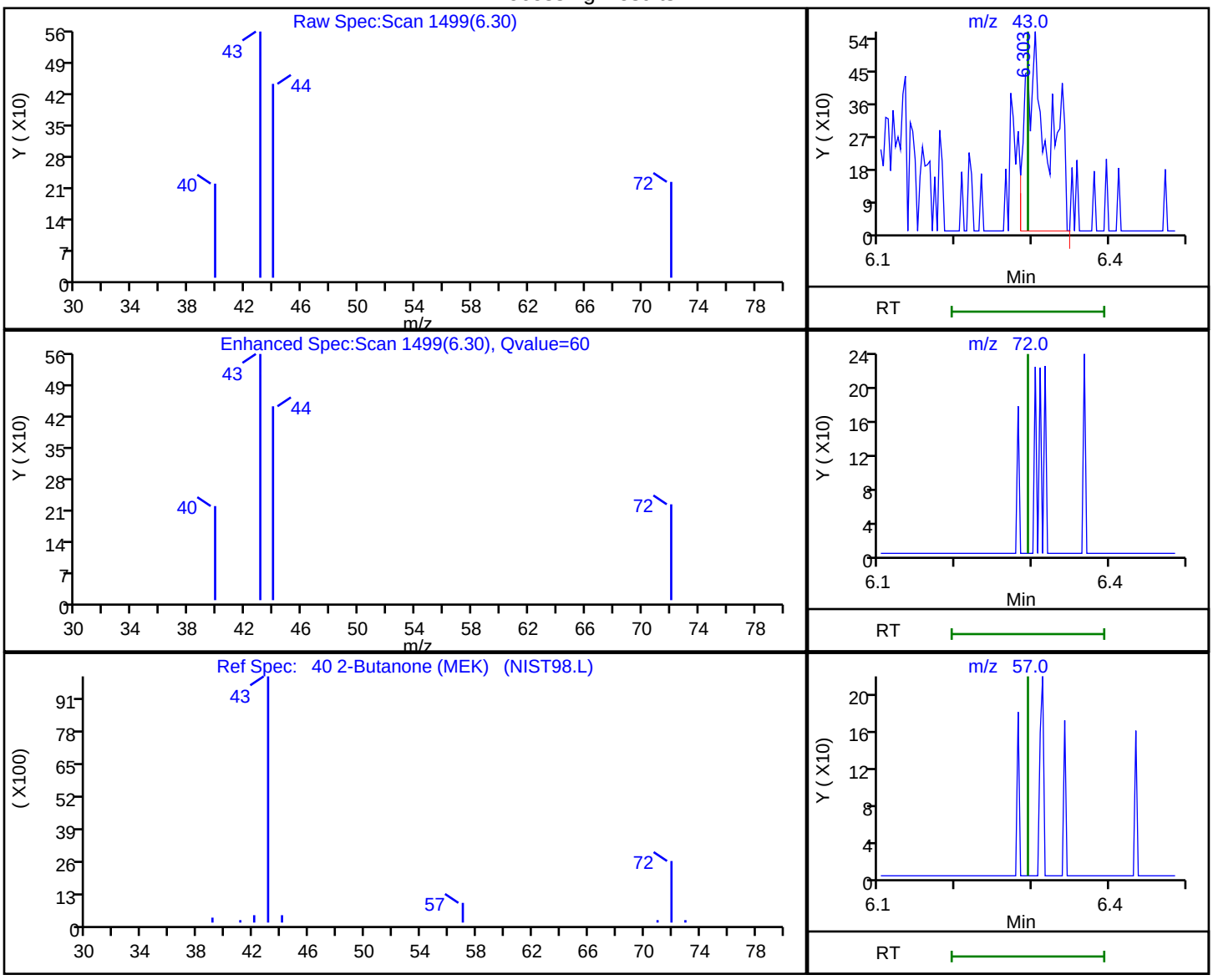
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X41.D				
Injection Date:	24-May-2022 00:35:30	Instrument ID:	9915		
Lims ID:	410-84076-C-3	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
Operator ID:	MEC29284	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
6.30	43.00	1154	0.348577
6.29	72.00	0	
6.29	57.00	0	

Reviewer: innoonk, 24-May-2022 13:03:44

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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_052022 Lab Sample ID: 410-84076-4

Matrix: Water Lab File ID: LY23X52.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:42

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 04:35

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.: 258274 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	0.30
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	0.40
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		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_052022 Lab Sample ID: 410-84076-4

Matrix: Water Lab File ID: LY23X52.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:42

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 04:35

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ cn	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		1.0	0.30
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	cn	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\9915\20220523-57907.b\LY23X52.D
Lims ID: 410-84076-C-4
Client ID: FBS010_052022
Sample Type: Client
Inject. Date: 24-May-2022 04:35:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-023
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 02:56:51 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: kaewrungrueangp Date: 24-May-2022 16:12:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		2.062				ND	
4 Chloromethane	50		2.271				ND	
6 Vinyl chloride	62		2.393				ND	
8 Bromomethane	94		2.744				ND	
9 Chloroethane	64		2.827				ND	
11 Trichlorofluoromethane	101		3.085				ND	
17 1,1-Dichloroethene	96		3.725				ND	
18 Acetone	58		3.750				ND	
19 112TCTFE	101		3.763				ND	
22 Carbon disulfide	76		4.033				ND	
24 Methyl acetate	43		4.191				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.442	4.419	0.023	48	181035	250.0	
26 Methylene Chloride	84		4.422				ND	
31 Methyl tert-butyl ether	73		4.834				ND	
32 trans-1,2-Dichloroethene	96		4.834				ND	
35 1,1-Dichloroethane	63		5.496				ND	7
40 2-Butanone (MEK)	43		6.294				ND	
41 cis-1,2-Dichloroethene	96		6.326				ND	
48 Chloroform	83		6.798				ND	7
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	92	232244	50.4	
50 1,1,1-Trichloroethane	97		7.027				ND	
51 Cyclohexane	56		7.123				ND	
52 Carbon tetrachloride	117		7.232				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.464	0.003	97	54975	50.1	
56 Benzene	78		7.499				ND	
57 1,2-Dichloroethane	62		7.570				ND	7
* 61 Fluorobenzene (IS)	96	7.904	7.901	0.003	99	910550	50.0	
64 Trichloroethene	95		8.377				ND	
65 Methylcyclohexane	83		8.689				ND	
67 1,2-Dichloropropane	63		8.708				ND	
72 Dichlorobromomethane	83		9.049				ND	
75 cis-1,3-Dichloropropene	75		9.586				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		9.753				ND	7
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	947814	49.1	
79 Toluene	92		9.962				ND	7
84 trans-1,3-Dichloropropene	75		10.210				ND	
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
90 2-Hexanone	43		10.621				ND	
92 Chlorodibromomethane	129		10.782				ND	
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	720617	50.0	
97 Chlorobenzene	112		11.348				ND	7
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	89	340254	46.9	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	7
114 1,3,5-Trimethylbenzene	105		12.628				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	
121 1,3-Dichlorobenzene	146		13.133				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.190	13.187	0.003	96	384272	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
130 1,2-Dichlorobenzene	146		13.467				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	
135 1,2,4-Trichlorobenzene	180		14.554				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

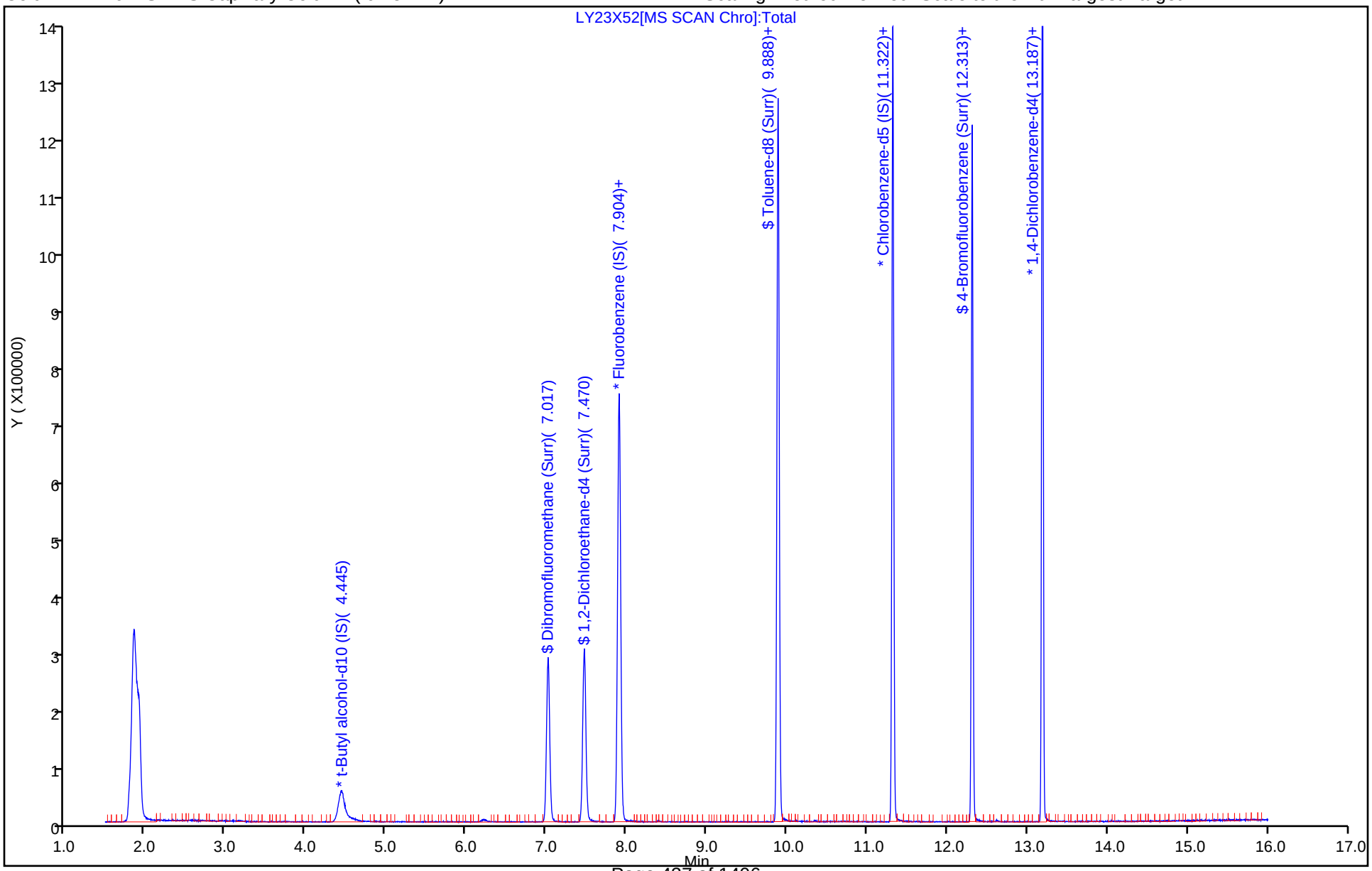
MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 24-May-2022 16:12:37 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X52.D				
Injection Date:	24-May-2022 04:35:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-4	Lab Sample ID:	410-84076-4	Worklist Smp#:	23
Client ID:	FBS010_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X52.D
Lims ID: 410-84076-C-4
Client ID: FBS010_052022
Sample Type: Client
Inject. Date: 24-May-2022 04:35:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-023
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 02:56:51 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: kaewrungrueangp Date: 24-May-2022 16:12:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	50.4	100.82
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.1	100.23
$ 78 Toluene-d8 (Surr)	50.0	49.1	98.29
$ 107 4-Bromofluorobenzene (Surr)	50.0	46.9	93.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Matrix: Water Lab File ID: LY23X53.D

Analysis Method: 8260C Date Collected: 05/12/2022 13:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 04:57

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.: 258274 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	0.30
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	0.40
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		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Matrix: Water Lab File ID: LY23X53.D

Analysis Method: 8260C Date Collected: 05/12/2022 13:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 04:57

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ cn	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		1.0	0.30
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	cn	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\9915\20220523-57907.b\LY23X53.D
Lims ID: 410-84076-C-5
Client ID: FBS010_DUP-1_052022
Sample Type: Client
Inject. Date: 24-May-2022 04:57:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-024
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 03:19:11 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: kaewrungrueangp Date: 24-May-2022 16:26:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		2.062				ND	
4 Chloromethane	50		2.271				ND	
6 Vinyl chloride	62		2.393				ND	
8 Bromomethane	94		2.744				ND	
9 Chloroethane	64		2.827				ND	
11 Trichlorofluoromethane	101		3.085				ND	
17 1,1-Dichloroethene	96		3.725				ND	
18 Acetone	58		3.750				ND	
19 112TCTFE	101		3.763				ND	
22 Carbon disulfide	76		4.033				ND	
24 Methyl acetate	43		4.191				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.426	4.419	0.007	47	201589	250.0	
26 Methylene Chloride	84		4.422				ND	
31 Methyl tert-butyl ether	73		4.834				ND	
32 trans-1,2-Dichloroethene	96		4.834				ND	
35 1,1-Dichloroethane	63		5.496				ND	
40 2-Butanone (MEK)	43		6.294				ND	7
41 cis-1,2-Dichloroethene	96		6.326				ND	
48 Chloroform	83		6.798				ND	7
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.017	-0.003	91	240145	50.3	
50 1,1,1-Trichloroethane	97		7.027				ND	
51 Cyclohexane	56		7.123				ND	
52 Carbon tetrachloride	117		7.232				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.471	7.464	0.007	98	56944	50.1	
56 Benzene	78		7.499				ND	
57 1,2-Dichloroethane	62		7.570				ND	7
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	943062	50.0	
64 Trichloroethene	95		8.377				ND	
65 Methylcyclohexane	83		8.689				ND	
67 1,2-Dichloropropane	63		8.708				ND	
72 Dichlorobromomethane	83		9.049				ND	
75 cis-1,3-Dichloropropene	75		9.586				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		9.753				ND	7
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	976703	49.7	
79 Toluene	92		9.962				ND	
84 trans-1,3-Dichloropropene	75		10.210				ND	
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
90 2-Hexanone	43		10.621				ND	7
92 Chlorodibromomethane	129		10.782				ND	
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	734381	50.0	
97 Chlorobenzene	112		11.348				ND	
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	88	346990	47.0	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	
114 1,3,5-Trimethylbenzene	105		12.628				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	
121 1,3-Dichlorobenzene	146		13.133				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	393332	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
130 1,2-Dichlorobenzene	146		13.467				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	7
135 1,2,4-Trichlorobenzene	180		14.554				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

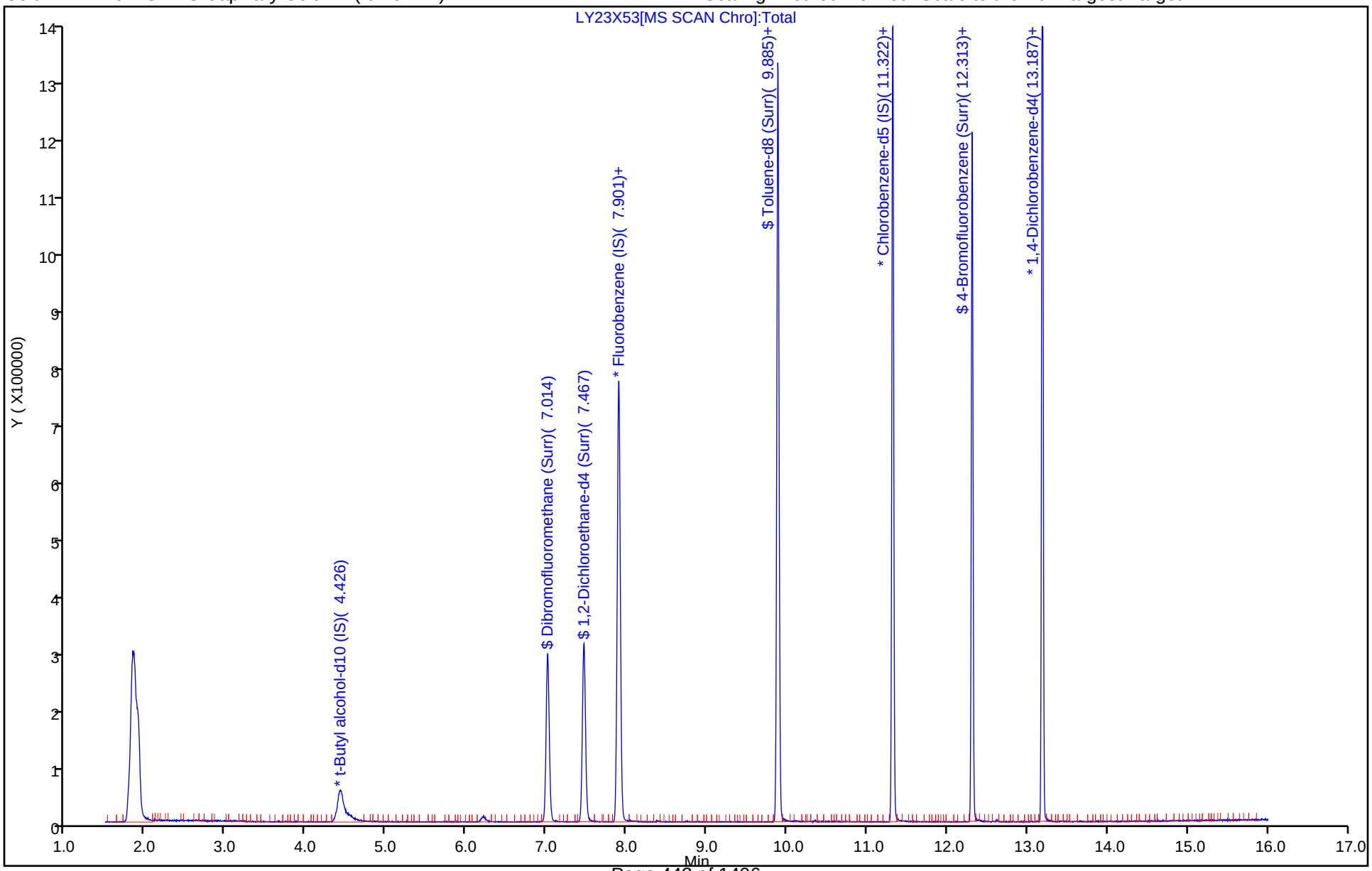
MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 24-May-2022 16:26:06 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X53.D				
Injection Date:	24-May-2022 04:57:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-5	Lab Sample ID:	410-84076-5	Worklist Smp#:	24
Client ID:	FBS010_DUP-1_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X53.D				
Lims ID:	410-84076-C-5				
Client ID:	FBS010_DUP-1_052022				
Sample Type:	Client				
Inject. Date:	24-May-2022 04:57:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0057907-024				
Operator ID:	MEC29284	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-May-2022 03:19:11	Calib Date:	17-May-2022 18:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1632				

First Level Reviewer: kaewrungrueangp Date: 24-May-2022 16:26:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	50.3	100.65
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.1	100.24
$ 78 Toluene-d8 (Surr)	50.0	49.7	99.38
$ 107 4-Bromofluorobenzene (Surr)	50.0	47.0	93.94

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_TB_052022 Lab Sample ID: 410-84076-7

Matrix: Water Lab File ID: LY23X42.D

Analysis Method: 8260C Date Collected: 05/12/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 00:56

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.: 258274 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	0.30
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	0.40
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		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_TB_052022 Lab Sample ID: 410-84076-7

Matrix: Water Lab File ID: LY23X42.D

Analysis Method: 8260C Date Collected: 05/12/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 00:56

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ cn	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		1.0	0.30
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	cn	1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\9915\20220523-57907.b\LY23X42.D
Lims ID: 410-84076-A-7
Client ID: FBW001_TB_052022
Sample Type: Client
Inject. Date: 24-May-2022 00:56:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-013
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 13:04:56 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: innoonk Date: 24-May-2022 13:05:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		2.062				ND	
4 Chloromethane	50		2.271				ND	
6 Vinyl chloride	62		2.393				ND	
8 Bromomethane	94		2.744				ND	
9 Chloroethane	64		2.827				ND	
11 Trichlorofluoromethane	101		3.085				ND	
17 1,1-Dichloroethene	96		3.725				ND	
18 Acetone	58		3.750				ND	
19 112TCTFE	101		3.763				ND	
22 Carbon disulfide	76		4.033				ND	
24 Methyl acetate	43		4.191				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.432	4.419	0.013	5	175485	250.0	
26 Methylene Chloride	84		4.422				ND	7
31 Methyl tert-butyl ether	73		4.834				ND	
32 trans-1,2-Dichloroethene	96		4.834				ND	
35 1,1-Dichloroethane	63		5.496				ND	
40 2-Butanone (MEK)	43		6.294				ND	
41 cis-1,2-Dichloroethene	96		6.326				ND	
48 Chloroform	83		6.798				ND	
$ 49 Dibromofluoromethane (Surr)	113	7.011	7.017	-0.006	92	232804	49.5	
50 1,1,1-Trichloroethane	97		7.027				ND	
51 Cyclohexane	56		7.123				ND	
52 Carbon tetrachloride	117		7.232				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.461	7.464	-0.003	97	56456	50.4	
56 Benzene	78		7.499				ND	
57 1,2-Dichloroethane	62		7.570				ND	7
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	929727	50.0	
64 Trichloroethene	95		8.377				ND	
65 Methylcyclohexane	83		8.689				ND	
67 1,2-Dichloropropane	63		8.708				ND	
72 Dichlorobromomethane	83		9.049				ND	
75 cis-1,3-Dichloropropene	75		9.586				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		9.753				ND	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	966426	50.3	
79 Toluene	92		9.962				ND	
84 trans-1,3-Dichloropropene	75		10.210				ND	
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
90 2-Hexanone	43		10.621				ND	
92 Chlorodibromomethane	129		10.782				ND	
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	718258	50.0	
97 Chlorobenzene	112		11.348				ND	
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
$ 107 4-Bromofluorobenzene (Surr)	95	12.309	12.309	0.000	88	338797	46.9	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	
114 1,3,5-Trimethylbenzene	105		12.628				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	
121 1,3-Dichlorobenzene	146		13.133				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	378080	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
130 1,2-Dichlorobenzene	146		13.467				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	
135 1,2,4-Trichlorobenzene	180		14.554				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

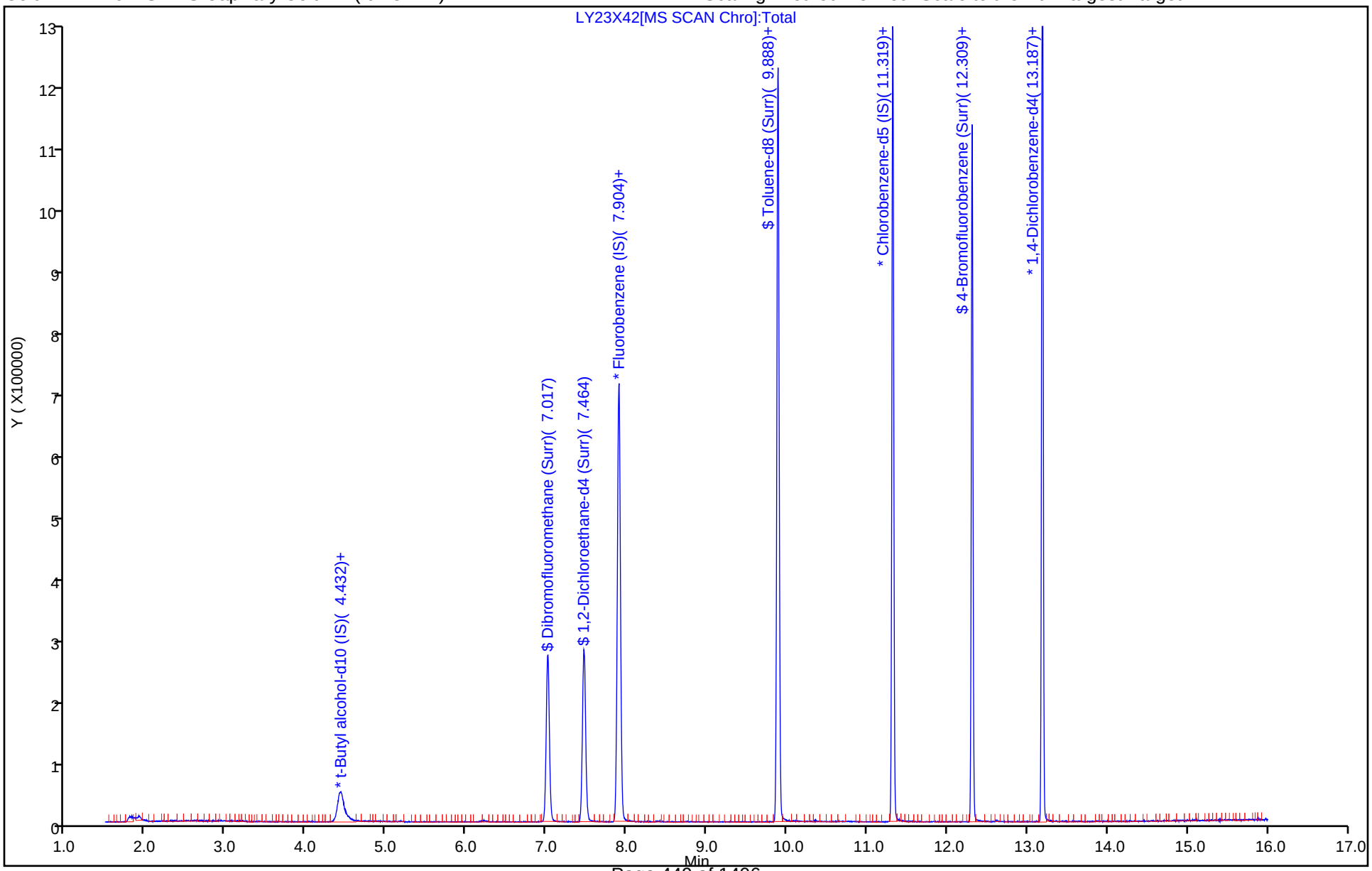
MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 24-May-2022 13:05:44 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X42.D				
Injection Date:	24-May-2022 00:56:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-A-7	Lab Sample ID:	410-84076-7	Worklist Smp#:	13
Client ID:	FBW001_TB_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X42.D				
Lims ID:	410-84076-A-7				
Client ID:	FBW001_TB_052022				
Sample Type:	Client				
Inject. Date:	24-May-2022 00:56:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0057907-013				
Operator ID:	MEC29284	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-May-2022 13:04:56	Calib Date:	17-May-2022 18:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1667				

First Level Reviewer: innoonk Date: 24-May-2022 13:05:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.5	98.98
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.81
$ 78 Toluene-d8 (Surr)	50.0	50.3	100.54
$ 107 4-Bromofluorobenzene (Surr)	50.0	46.9	93.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_TB_052022 Lab Sample ID: 410-84076-8

Matrix: Water Lab File ID: LY23X43.D

Analysis Method: 8260C Date Collected: 05/12/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 01:18

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.: 258274 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	0.30
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	0.40
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		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_TB_052022 Lab Sample ID: 410-84076-8

Matrix: Water Lab File ID: LY23X43.D

Analysis Method: 8260C Date Collected: 05/12/2022 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 01:18

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	*+ cn	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		1.0	0.30
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	cn	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\9915\20220523-57907.b\LY23X43.D
Lims ID: 410-84076-A-8
Client ID: FBS010_TB_052022
Sample Type: Client
Inject. Date: 24-May-2022 01:18:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-014
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 13:04:56 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: innoonk Date: 24-May-2022 13:06:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		2.062				ND	
4 Chloromethane	50		2.271				ND	
6 Vinyl chloride	62		2.393				ND	
8 Bromomethane	94		2.744				ND	
9 Chloroethane	64		2.827				ND	
11 Trichlorofluoromethane	101		3.085				ND	
17 1,1-Dichloroethene	96		3.725				ND	
18 Acetone	58		3.750				ND	
19 112TCTFE	101		3.763				ND	
22 Carbon disulfide	76		4.033				ND	
24 Methyl acetate	43		4.191				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.435	4.419	0.016	48	167459	250.0	
26 Methylene Chloride	84		4.422				ND	
31 Methyl tert-butyl ether	73		4.834				ND	
32 trans-1,2-Dichloroethene	96		4.834				ND	
35 1,1-Dichloroethane	63		5.496				ND	
40 2-Butanone (MEK)	43		6.294				ND	
41 cis-1,2-Dichloroethene	96		6.326				ND	
48 Chloroform	83		6.798				ND	
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.017	-0.003	92	232601	49.8	
50 1,1,1-Trichloroethane	97		7.027				ND	
51 Cyclohexane	56		7.123				ND	
52 Carbon tetrachloride	117		7.232				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.464	0.003	97	55487	49.9	
56 Benzene	78		7.499				ND	
57 1,2-Dichloroethane	62		7.570				ND	7
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	923462	50.0	
64 Trichloroethene	95		8.377				ND	
65 Methylcyclohexane	83		8.689				ND	
67 1,2-Dichloropropane	63		8.708				ND	
72 Dichlorobromomethane	83		9.049				ND	
75 cis-1,3-Dichloropropene	75		9.586				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		9.753				ND	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	963251	49.6	
79 Toluene	92		9.962				ND	
84 trans-1,3-Dichloropropene	75		10.210				ND	
86 1,1,2-Trichloroethane	97		10.412				ND	
87 Tetrachloroethene	166		10.499				ND	
90 2-Hexanone	43		10.621				ND	
92 Chlorodibromomethane	129		10.782				ND	
93 Ethylene Dibromide	107		10.891				ND	
S 94 Xylenes, Total	106		11.245				ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	86	725697	50.0	
97 Chlorobenzene	112		11.348				ND	7
99 Ethylbenzene	91		11.432				ND	
100 m-Xylene & p-Xylene	106		11.544				ND	
101 o-Xylene	106		11.872				ND	
102 Styrene	104		11.885				ND	
103 Bromoform	173		12.043				ND	
104 Isopropylbenzene	105		12.168				ND	
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	88	344998	47.3	
108 1,1,2,2-Tetrachloroethane	83		12.409				ND	7
114 1,3,5-Trimethylbenzene	105		12.628				ND	
119 1,2,4-Trimethylbenzene	105		12.911				ND	7
121 1,3-Dichlorobenzene	146		13.133				ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	383554	50.0	
124 1,4-Dichlorobenzene	146		13.206				ND	7
130 1,2-Dichlorobenzene	146		13.467				ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004				ND	
135 1,2,4-Trichlorobenzene	180		14.554				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

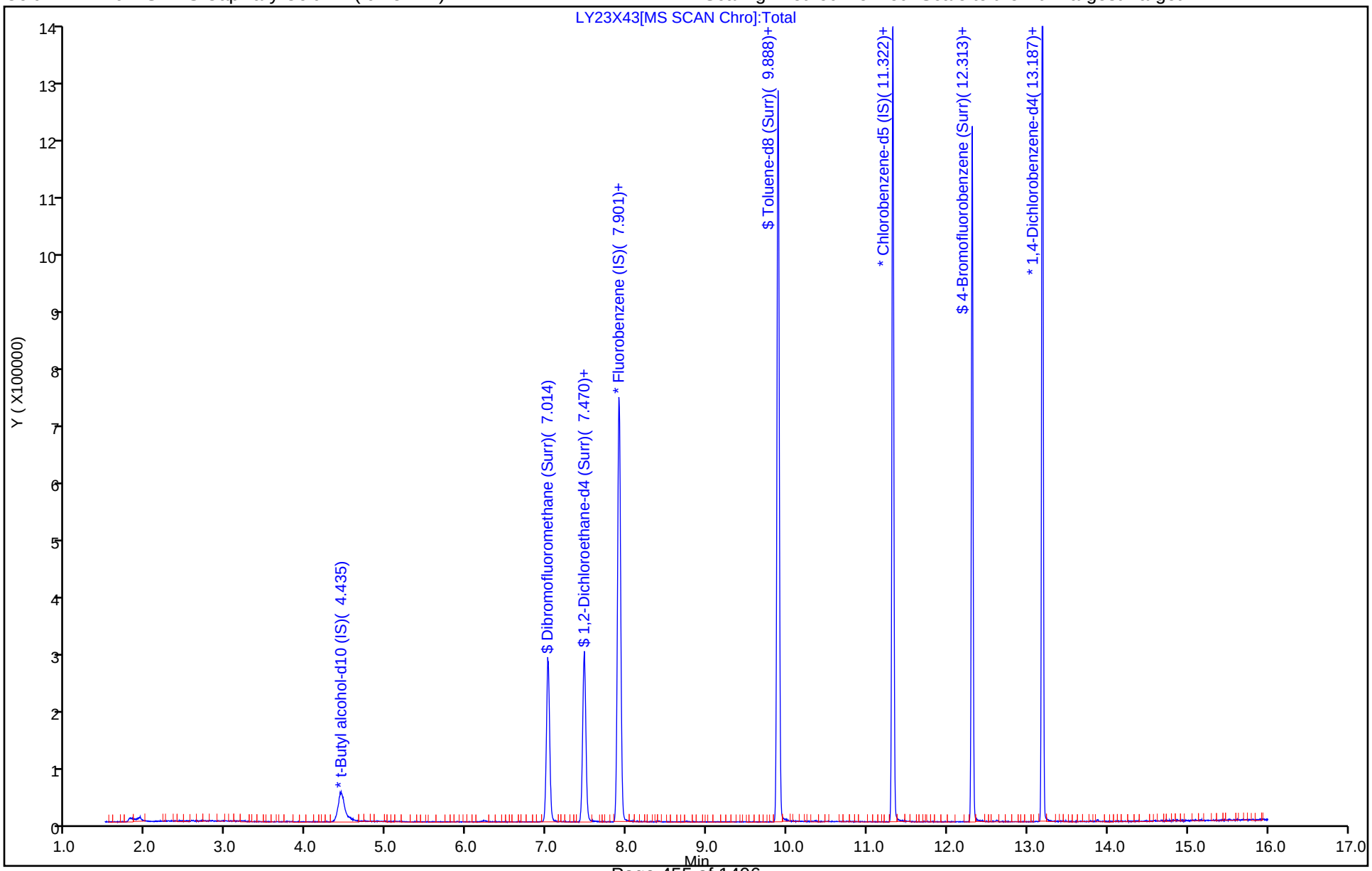
MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 24-May-2022 13:06:14 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X43.D				
Injection Date:	24-May-2022 01:18:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-A-8	Lab Sample ID:	410-84076-8	Worklist Smp#:	14
Client ID:	FBS010_TB_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X43.D				
Lims ID:	410-84076-A-8				
Client ID:	FBS010_TB_052022				
Sample Type:	Client				
Inject. Date:	24-May-2022 01:18:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0057907-014				
Operator ID:	MEC29284	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-May-2022 13:04:56	Calib Date:	17-May-2022 18:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1667				

First Level Reviewer: innoonk Date: 24-May-2022 13:06:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.8	99.56
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.9	99.75
$ 78 Toluene-d8 (Surr)	50.0	49.6	99.19
$ 107 4-Bromofluorobenzene (Surr)	50.0	47.3	94.52

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-256013/11	LY17X19.D
Level 2	IC 410-256013/12	LY17X20.D
Level 3	IC 410-256013/13	LY17X23.D
Level 4	IC 410-256013/14	LY17X24.D
Level 5	ICIS 410-256013/15	LY17X15.D
Level 6	IC 410-256013/16	LY17X16.D
Level 7	IC 410-256013/17	LY17X17.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1315 0.2275	0.2472 0.2079	0.1835	0.1959	0.2140	Ave		0.2011			0.1000	18.4		20.0			
Chloromethane	0.2355 0.2623	0.3165 0.2428	0.2276	0.2405	0.2500	Ave		0.2536			0.1000	11.8		20.0			
Vinyl chloride	0.1889 0.2780	0.3148 0.2580	0.2402	0.2502	0.2645	Ave		0.2564			0.1000	14.9		20.0			
1,3-Butadiene	0.2699 0.2415	0.3093 0.2193	0.2281	0.2351	0.2371	Ave		0.2486				12.5		20.0			
Bromomethane	0.1816 0.2076	0.2388 0.2022	0.1795	0.1870	0.2025	Ave		0.1999			0.1000	10.2		20.0			
Chloroethane	0.1328 0.1595	0.1824 0.1534	0.1390	0.1438	0.1553	Ave		0.1523			0.1000	10.7		20.0			
Dichlorofluoromethane	0.3342 0.3956	0.4614 0.3687	0.3503	0.3650	0.3840	Ave		0.3799			0.1000	10.9		20.0			
Trichlorofluoromethane	0.2171 0.3375	0.3875 0.3086	0.2933	0.3130	0.3235	Ave		0.3115			0.1000	16.5		20.0			
n-Pentane	0.2291 0.2842	0.2972 0.2741	0.3255	0.2687	0.2234	Ave		0.2718				13.3		20.0			
Ethyl ether	0.1587 0.1504	0.2116 0.1563	0.2006	0.1895	0.1425	Ave		0.1728				15.8		20.0			
Freon 123a	0.1927 0.2356	0.2834 0.2218	0.2207	0.2208	0.2272	Ave		0.2289				12.0		20.0			
Acrolein	1.5423 1.6192	1.8980 1.7179	1.6759	1.4838	1.4668	Ave		1.6291				9.3		20.0			
1,1-Dichloroethene	0.1442 0.1927	0.1938 0.1911	0.2003	0.1823	0.1783	Ave		0.1832			0.1000	10.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.7082 0.6160	0.7892 0.6855	0.6712	0.6016	0.6097	Ave		0.6688			0.1000	10.1		20.0			
Freon 113	+++++ 0.1732	0.1733 0.1693	0.1819	0.1603	0.1421	Ave		0.1667			0.1000	8.4		20.0			
Methyl iodide	0.2489 0.3390	0.3373 0.3378	0.3400	0.3183	0.3151	Ave		0.3195				10.3		20.0			
2-Propanol	0.5861 0.4781	0.5877 0.4596	0.6157	0.5010	0.4581	Ave		0.5266				12.8		20.0			
Carbon disulfide	0.4194 0.6051	0.5926 0.6052	0.5959	0.5587	0.5477	Ave		0.5607			0.1000	11.8		20.0			
Methyl acetate	0.2444 0.2413	0.3147 0.2354	0.2592	0.2323	0.2272	Ave		0.2506			0.1000	12.0		20.0			
Allyl chloride	0.2794 0.3263	0.3561 0.3270	0.3416	0.3307	0.2995	Ave		0.3229				8.0		20.0			
Methylene Chloride	0.1758 0.2271	0.2414 0.2264	0.2377	0.2254	0.2140	Ave		0.2211			0.1000	9.9		20.0			
t-Butyl alcohol	0.9663 0.8979	1.1806 0.8436	1.1047	0.9563	0.8614	Ave		0.9730				13.0		20.0			
Acrylonitrile	0.1139 0.1260	0.1454 0.1228	0.1296	0.1257	0.1196	Ave		0.1262				7.8		20.0			
Methyl tertiary butyl ether	0.6752 0.7265	0.8171 0.7304	0.7708	0.7380	0.6968	Ave		0.7364			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	0.1676 0.2253	0.2442 0.2238	0.2363	0.2244	0.2074	Ave		0.2184			0.1000	11.5		20.0			
n-Hexane	0.1728 0.2738	0.2563 0.2641	0.3010	0.2612	0.1969	Ave		0.2466				18.3		20.0			
1,1-Dichloroethane	0.3083 0.4064	0.4225 0.3994	0.4386	0.4169	0.3766	Ave		0.3955			0.2000	10.9		20.0			
di-Isopropyl ether	0.6000 0.7063	0.7847 0.6943	0.7562	0.7234	0.6709	Ave		0.7051				8.5		20.0			
2-Chloro-1,3-butadiene	0.2322 0.3438	0.3545 0.3379	0.3710	0.3472	0.3128	Ave		0.3285				14.0		20.0			
Ethyl t-butyl ether	0.6382 0.7261	0.8040 0.7052	0.7753	0.7473	0.6959	Ave		0.7274				7.5		20.0			
2-Butanone	0.1829 0.1696	0.2197 0.1806	0.1694	0.1539	0.1596	Ave		0.1765			0.1000	12.3		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.1881 0.2453	0.2622 0.2458	0.2601	0.2449	0.2260	Ave		0.2389			0.1000	10.6		20.0			
2,2-Dichloropropane	0.2610 0.3582	0.3631 0.3587	0.3806	0.3564	0.3272	Ave		0.3436				11.5		20.0			
Propionitrile	1.0747 1.0647	1.3070 1.0764	1.1737	1.0725	1.0594	Ave		1.1183				8.2		20.0			
Methacrylonitrile	0.1306 0.1431	0.1639 0.1428	0.1490	0.1400	0.1368	Ave		0.1437				7.3		20.0			
Bromochloromethane	0.1078 0.1285	0.1359 0.1302	0.1332	0.1236	0.1208	Ave		0.1257				7.5		20.0			
Tetrahydrofuran	1.1450 0.9887	1.2304 0.9713	1.1050	0.9953	0.9430	Ave		1.0541				10.2		20.0			
Chloroform	0.3197 0.4092	0.4353 0.4036	0.4378	0.4117	0.3850	Ave		0.4003			0.2000	10.0		20.0			
1,1,1-Trichloroethane	0.2332 0.3599	0.3735 0.3541	0.3869	0.3604	0.3315	Ave		0.3428			0.1000	15.0		20.0			
Cyclohexane	0.2070 0.3365	0.3300 0.3257	0.3798	0.3267	0.2718	Ave		0.3111			0.1000	17.9		20.0			
Carbon tetrachloride	0.1754 0.3031	0.2967 0.2997	0.3123	0.2957	0.2731	Ave		0.2794			0.1000	17.0		20.0			
1,1-Dichloropropene	0.2227 0.3181	0.3217 0.3169	0.3500	0.3261	0.2918	Ave		0.3068				13.3		20.0			
Isobutyl alcohol	0.3304 0.2947	0.4085 0.2788	0.3809	0.2934	0.2938	Ave		0.3258				15.4		20.0			
Benzene	0.6901 0.9187	0.9323 0.9058	0.9908	0.9251	0.8469	Ave		0.8871			0.5000	10.9		20.0			
1,2-Dichloroethane	0.3390 0.3517	0.4012 0.3413	0.3737	0.3597	0.3400	Ave		0.3581			0.1000	6.4		20.0			
t-Amyl methyl ether	0.6315 0.7274	0.8298 0.7061	0.7898	0.7573	0.7082	Ave		0.7357				8.7		20.0			
n-Heptane	0.2285 0.2840	0.2748 0.2763	0.3184	0.2892	0.1895	Ave		0.2658				16.1		20.0			
n-Butanol	0.1856 0.2391	0.2738 0.2467	0.2762	0.2530	0.2418	Ave		0.2452				12.3		20.0			
Trichloroethene	0.1733 0.2445	0.2539 0.2442	0.2603	0.2430	0.2242	Ave		0.2348			0.2000	12.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.2298 0.3695	0.3398 0.3641	0.4069	0.3572	0.2739	Ave		0.3344			0.1000	18.3		20.0			
1,2-Dichloropropane	0.1883 0.2526	0.2584 0.2573	0.2676	0.2521	0.2333	Ave		0.2442			0.1000	11.0		20.0			
t-Amyl ethyl ether	0.2958 0.3765	0.3824 0.3775	0.3892	0.3815	0.3482	Ave		0.3644				9.0		20.0			
Methyl methacrylate	0.1990 0.2319	0.2576 0.2351	0.2507	0.2341	0.2243	Ave		0.2332				8.1		20.0			
1,4-Dioxane	0.0578 0.0780	0.0873 0.0757	0.0934	0.0845	0.0799	Ave		0.0795			0.0050	14.2		20.0			
Dibromomethane	0.1433 0.1749	0.1881 0.1736	0.1853	0.1747	0.1644	Ave		0.1720				8.7		20.0			
Bromodichloromethane	0.2484 0.3173	0.3192 0.3189	0.3283	0.3182	0.2973	Ave		0.3068			0.2000	8.9		20.0			
2-Nitropropane	2.1393 2.3439	2.6267 2.3132	2.5724	2.3920	2.2751	Ave		2.3804				7.1		20.0			
2-Chloroethyl vinyl ether	0.1908 0.2087	0.2455 0.2043	0.2081	0.2078	0.1994	Ave		0.2092				8.2		20.0			
cis-1,3-Dichloropropene	0.3034 0.4222	0.4245 0.4243	0.4331	0.4173	0.3874	Ave		0.4017			0.2000	11.4		20.0			
4-Methyl-2-pentanone	0.3379 0.3751	0.4359 0.3890	0.3692	0.3472	0.3485	Ave		0.3718			0.1000	9.0		20.0			
Toluene	0.5272 0.7528	0.7830 0.7624	0.8301	0.7839	0.6957	Ave		0.7336			0.4000	13.6		20.0			
trans-1,3-Dichloropropene	0.4073 0.5154	0.5137 0.5234	0.5374	0.5265	0.4852	Ave		0.5013			0.1000	8.9		20.0			
Ethyl methacrylate	0.4320 0.5293	0.5836 0.5238	0.5628	0.5414	0.5050	Ave		0.5254				9.3		20.0			
1,1,2-Trichloroethane	0.2545 0.2987	0.3275 0.2983	0.3351	0.3152	0.2912	Ave		0.3029			0.1000	8.9		20.0			
Tetrachloroethene	0.2093 0.2943	0.3065 0.2995	0.3325	0.3078	0.2648	Ave		0.2878			0.2000	13.9		20.0			
1,3-Dichloropropane	0.4475 0.5155	0.5657 0.5073	0.5744	0.5383	0.4958	Ave		0.5207				8.4		20.0			
2-Hexanone	0.3301 0.3643	0.4039 0.3631	0.3580	0.3360	0.3338	Ave		0.3556			0.1000	7.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.2489 0.3462	0.3401 0.3501	0.3584	0.3358	0.3229	Ave		0.3289				11.3		20.0			
1,2-Dibromoethane	0.2769 0.3347	0.3686 0.3333	0.3544	0.3436	0.3235	Ave		0.3336			0.1000	8.7		20.0			
1-Chlorohexane	0.3689 0.4130	0.4364 0.4191	0.4724	0.4419	0.3543	Ave		0.4151				10.0		20.0			
Chlorobenzene	0.6958 0.8758	0.9012 0.8839	0.9733	0.8998	0.8077	Ave		0.8625			0.5000	10.2		20.0			
1,1,1,2-Tetrachloroethane	0.2062 0.3109	0.3028 0.3254	0.3299	0.3159	0.2873	Ave		0.2969				14.3		20.0			
Ethylbenzene	1.0804 1.4935	1.5161 1.5416	1.6820	1.5699	1.3490	Ave		1.4618			0.1000	13.4		20.0			
m&p-Xylene	0.4182 0.5832	0.5858 0.6078	0.6400	0.6070	0.5287	Ave		0.5672			0.1000	13.0		20.0			
o-Xylene	0.4261 0.5817	0.5944 0.6122	0.6465	0.6030	0.5360	Ave		0.5714			0.3000	12.6		20.0			
Styrene	0.7420 1.0035	0.9817 1.0546	1.0813	1.0321	0.9167	Ave		0.9731			0.3000	11.8		20.0			
Bromoform	0.1848 0.2498	0.2373 0.2570	0.2457	0.2382	0.2328	Ave		0.2351			0.1000	10.1		20.0			
Isopropylbenzene	1.0309 1.4677	1.4534 1.4949	1.6709	1.5528	1.3190	Ave		1.4271			0.1000	14.3		20.0			
Cyclohexanone	0.3162 0.3951	0.5235 0.3727	0.3179	0.4241	0.4275	Ave		0.3967				18.1		20.0			
1,1,2,2-Tetrachloroethane	0.8551 0.9508	1.0833 0.9383	1.0896	0.9931	0.9198	Ave		0.9757			0.3000	8.8		20.0			
Bromobenzene	0.6131 0.6719	0.7123 0.7096	0.7414	0.6918	0.6183	Ave		0.6798				7.1		20.0			
trans-1,4-Dichloro-2-butene	0.2646 0.3215	0.3451 0.3247	0.3515	0.3281	0.3016	Ave		0.3196				9.1		20.0			
1,2,3-Trichloropropane	0.2643 0.2817	0.3418 0.2765	0.3321	0.2908	0.2706	Ave		0.2940				10.4		20.0			
N-Propylbenzene	2.4097 3.2095	3.3027 3.2108	3.7503	3.4881	2.8663	Ave		3.1768				13.7		20.0			
2-Chlorotoluene	0.4863 0.6474	0.6820 0.6580	0.7490	0.6954	0.5947	Ave		0.6447				13.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.7003 2.3405	2.3256 2.4108	2.6716	2.5128	2.0820	Ave		2.2920				13.9		20.0			
4-Chlorotoluene	0.5314 0.6741	0.7258 0.6933	0.7700	0.7175	0.6164	Ave		0.6755				11.8		20.0			
tert-Butylbenzene	0.2935 0.4568	0.4274 0.4787	0.5298	0.4810	0.4015	Ave		0.4384				17.3		20.0			
1,2,4-Trimethylbenzene	1.8678 2.4190	2.4655 2.5022	2.7177	2.5814	2.1847	Ave		2.3912				11.8		20.0			
sec-Butylbenzene	2.0385 2.8084	2.8427 2.8494	3.2341	3.0217	2.4151	Ave		2.7443				14.5		20.0			
1,3-Dichlorobenzene	1.0906 1.3079	1.3466 1.3971	1.4589	1.3634	1.1906	Ave		1.3079			0.6000	9.7		20.0			
p-Isopropyltoluene	1.8611 2.5256	2.5082 2.6717	2.7882	2.6538	2.1739	Ave		2.4546				13.3		20.0			
1,4-Dichlorobenzene	1.2730 1.3423	1.4468 1.4142	1.5163	1.4026	1.2316	Ave		1.3753			0.5000	7.2		20.0			
1,2,3-Trimethylbenzene	2.0031 2.5270	2.5703 2.6684	2.7865	2.6581	2.2944	Ave		2.5011				10.7		20.0			
Benzyl chloride	1.5698 2.0538	2.0558 2.0816	2.1569	2.0689	1.9224	Ave		1.9870				9.9		20.0			
1,3-Diethylbenzene	1.1471 1.4866	1.5089 1.5674	1.7110	1.5927	1.3170	Ave		1.4758				12.7		20.0			
1,4-Diethylbenzene	1.3523 1.5468	1.5957 1.6422	1.7590	1.6609	1.3558	Ave		1.5590				9.9		20.0			
n-Butylbenzene	1.1489 1.2574	1.2746 1.3243	1.4422	1.3770	1.0847	Ave		1.2727				9.8		20.0			
1,2-Dichlorobenzene	1.1641 1.2945	1.4033 1.3557	1.4458	1.3576	1.2096	Ave		1.3187			0.4000	7.7		20.0			
1,2-Diethylbenzene	0.9734 1.2586	1.2748 1.3489	1.4065	1.3291	1.1142	Ave		1.2436				12.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2246 0.2433	0.2798 0.2390	0.2694	0.2463	0.2319	Ave		0.2478			0.0500	8.0		20.0			
1,3,5-Trichlorobenzene	1.0426 0.8564	0.9521 0.9113	0.9959	0.9291	0.7774	Ave		0.9235				9.5		20.0			
1,2,4-Trichlorobenzene	1.0974 0.8384	0.9650 0.8667	0.9469	0.8967	0.7723	Ave		0.9119			0.2000	11.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	+++++ 0.3185	0.4723 0.3185	0.3775	0.3512	0.2712	Ave		0.3515				19.7		20.0			
Naphthalene	3.6935 3.1441	3.6635 3.0504	3.5201	3.3451	2.9929	Ave		3.3442				8.7		20.0			
1,2,3-Trichlorobenzene	1.1498 0.8041	0.9329 0.8202	0.9014	0.8658	0.7562	Ave		0.8901				14.5		20.0			
2-Methylnaphthalene	+++++ 1.7322	2.0491 1.7024	1.8368	1.8084	1.6048	Ave		1.7889				8.5		20.0			
Dibromofluoromethane (Surr)	0.2543 0.2540	0.2510 0.2526	0.2475	0.2531	0.2584	Ave		0.2530				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0611 0.0615	0.0604 0.0595	0.0586	0.0601	0.0604	Ave		0.0602				1.6		20.0			
Toluene-d8 (Surr)	1.3486 1.3207	1.3520 1.2940	1.3557	1.3555	1.3411	Ave		1.3382				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.4998 0.5023	0.5000 0.4921	0.5085	0.5131	0.5051	Ave		0.5030				1.3		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-256013/11	LY17X19.D
Level 2	IC 410-256013/12	LY17X20.D
Level 3	IC 410-256013/13	LY17X23.D
Level 4	IC 410-256013/14	LY17X24.D
Level 5	ICIS 410-256013/15	LY17X15.D
Level 6	IC 410-256013/16	LY17X16.D
Level 7	IC 410-256013/17	LY17X17.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	3024 551650	22195 1583661	40291	89339	254334	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	5414 636169	28416 1849904	49971	109681	297162	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	4343 674345	28267 1966006	52738	114073	314411	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	6204 585637	27770 1670876	50074	107196	281830	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	4174 503383	21436 1540467	39412	85291	240643	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	3054 386889	16375 1168866	30517	65550	184581	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	7684 959441	41428 2809200	76893	166456	456396	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	4992 818634	34791 2351396	64394	142729	384429	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	5266 689337	26682 2088647	71465	122543	265477	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	3648 364808	19002 1190734	44033	86398	169325	1.000 100.0	4.00 300	10.00	20.0	50.0
Freon 123a	FB	Ave	4431 571399	25442 1689768	48449	100688	270062	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	16103 1851575	78799 6134735	164765	309641	810725	10.00 1000	40.0 3000	100.0	200	500
1,1-Dichloroethene	FB	Ave	3316 467433	17400 1455778	43962	83116	211877	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	1479 140887	6553 489592	13199	25113	67410	2.00 200	8.00 600	20.0	40.0	100
Freon 113	FB	Ave	+++++ 420117	15558 1290128	39929	73092	168824	+++++ 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	5722 822201	30281 2573399	74643	145131	374538	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	3060 273365	12201 820700	30267	52281	126604	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	9641 1467641	53202 4611213	130809	254761	650930	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	5619 585269	28254 1793554	56910	105907	270028	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	6423 791438	31975 2491301	74988	150804	355902	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	4041 550754	21669 1725265	52170	102767	254372	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	5045 513438	24508 1506370	54306	99793	238080	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	6549 763722	32639 2339773	71124	143268	355475	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	15522 1761953	73362 5564521	169197	336521	828082	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	3853 546390	21924 1705035	51865	102345	246542	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	3973 663961	23014 2012371	66071	119094	234011	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	7088 985609	37931 3043310	96278	190125	447528	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	13793 1712916	70449 5289571	166009	329854	797340	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	5339 833769	31830 2574226	81432	158343	371724	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	14671	72184	170187	340784	827022	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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
			1761100	5373112				100	300			
2-Butanone	FB	Ave	8409 822718	39451 2752052	74358	140382	379353	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	4324 595034	23543 1872641	57090	111665	268588	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	6000 868736	32602 2732779	83546	162508	388843	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	5611 608806	27132 1922039	57698	111915	292804	5.00 500	20.0 1500	50.0	100	250
Methacrylonitrile	FB	Ave	7505 867466	36778 2719050	81783	159643	406548	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2479 311725	12203 991621	29234	56344	143609	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	5978 565358	25542 1734306	54321	103865	260631	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	7350 992549	39081 3074801	96113	187721	457620	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	5361 872784	33537 2697574	84933	164330	394010	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	4759 816236	29632 2481700	83369	148976	323042	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	4033 735175	26634 2283439	68563	134833	324594	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	5120 771512	28880 2414447	76823	148722	346803	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	4313 421246	21201 1244455	46808	76538	203027	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	15866 2228108	83703 6901543	217506	421868	1006522	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	7793 853026	36018 2600066	82039	164009	404140	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	14518 1764236	74497 5379657	173380	345306	841655	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Heptane	FB	Ave	5253 688754	24675 2104816	69896	131859	225249	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	2422 341852	14210 1101064	33943	65999	167049	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	3983 592872	22800 1860710	57139	110805	266456	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	5283 896110	30504 2773847	89317	162894	325549	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	4328 612658	23197 1960294	58737	114951	277304	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	6800 913028	34334 2876465	85432	173983	413823	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	4575 562497	23128 1791108	55025	106741	266552	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	755 111448	4533 337972	11483	22043	55189	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3295 424144	16891 1322359	40675	79669	195436	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	5710 769556	28655 2429509	72073	145121	353335	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	11169 1340217	54528 4130471	126458	249610	628804	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	4387 506258	22042 1556537	45672	94758	236970	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	6975 1023880	38110 3232548	95083	190307	460416	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	15538 1819549	78270 5927799	162083	316636	828290	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	9309 1433200	53986 4567891	138795	274296	640797	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd 5	Ave	7192	35420	89852	184247	446951	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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
			981333	3136046				100	300			
Ethyl methacrylate	CBZd 5	Ave	7628	40239	94096	189434	465129	1.00	4.00	10.0	20.0	50.0
			1007780	3138463				100	300			
1,1,2-Trichloroethane	CBZd 5	Ave	4494	22578	56036	110313	268203	1.00	4.00	10.0	20.0	50.0
			568716	1787025				100	300			
Tetrachloroethene	CBZd 5	Ave	3696	21135	55598	107704	243868	1.00	4.00	10.0	20.0	50.0
			560346	1794713				100	300			
1,3-Dichloropropane	CBZd 5	Ave	7902	39004	96051	188367	456682	1.00	4.00	10.0	20.0	50.0
			981397	3039647				100	300			
2-Hexanone	CBZd 5	Ave	11657	55698	119730	235145	614844	2.00	8.00	20.0	40.0	100
			1387146	4350553				200	600			
Dibromochloromethane	CBZd 5	Ave	4396	23451	59922	117513	297387	1.00	4.00	10.0	20.0	50.0
			659201	2097587				100	300			
1,2-Dibromoethane	CBZd 5	Ave	4890	25411	59266	120236	298016	1.00	4.00	10.0	20.0	50.0
			637293	1996735				100	300			
1-Chlorohexane	CBZd 5	Ave	6514	30089	78983	154618	326362	1.00	4.00	10.0	20.0	50.0
			786341	2511106				100	300			
Chlorobenzene	CBZd 5	Ave	12288	62134	162735	314853	743917	1.00	4.00	10.0	20.0	50.0
			1667483	5295804				100	300			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	3642	20880	55154	110549	264640	1.00	4.00	10.0	20.0	50.0
			591855	1949735				100	300			
Ethylbenzene	CBZd 5	Ave	19079	104525	281247	549332	1242497	1.00	4.00	10.0	20.0	50.0
			2843365	9236373				100	300			
m&p-Xylene	CBZd 5	Ave	14771	80777	214008	424792	974024	2.00	8.00	20.0	40.0	100

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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
			2220724	7283453				200	600			
o-Xylene	CBZd 5	Ave	7525 1107533	40981 3667748	108096	211021	493676	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd 5	Ave	13103 1910491	67682 6318774	180792	361176	844335	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd 5	Ave	3264 475618	16359 1539882	41084	83349	214423	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd 5	Ave	18204 2794276	100202 8956700	279380	543357	1214905	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd 10	Ave	16509 564833	108684 1663735	78131	221288	295389	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7978 971023	39661 3054312	97805	186385	458326	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd 4	Ave	5720 686177	26077 2309989	66552	129834	308107	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	6171 820822	31590 2642075	78877	153936	375746	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd 4	Ave	2466 287649	12515 900166	29810	54584	134843	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	22481 3277609	120916 10451816	336629	654627	1428178	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	4537 661146	24967 2141957	67230	130509	296318	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	15863	85144	239801	471590	1037400	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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
			2390223	7847789				100	300			
4-Chlorotoluene	DCBd 4	Ave	4958 688436	26574 2256742	69119	134649	307116	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	2738 466458	15647 1558104	47555	90274	200039	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	17426 2470339	90263 8145015	243938	484450	1088557	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	19018 2868025	104073 9275276	290290	567085	1203403	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	10175 1335654	49301 4547698	130953	255878	593246	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd 4	Ave	17363 2579197	91827 8697018	250273	498054	1083182	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	11876 1370811	52970 4603603	136101	263232	613665	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	18688 2580637	94102 8686166	250113	498854	1143215	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd 4	Ave	14645 2097410	75264 6776028	193605	388279	957896	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd 4	Ave	10702 1518200	55242 5102091	153576	298902	656243	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd 4	Ave	12616 1579666	58422 5345571	157886	311707	675570	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	10719	46663	129448	258434	540469	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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
			1284132	4310862				100	300			
1,2-Dichlorobenzene	DCBd 4	Ave	10860 1321991	51376 4413024	129778	254788	602713	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd 4	Ave	9081 1285324	46670 4390981	126243	249435	555182	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2095 248498	10245 778020	24181	46221	115532	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9727 874556	34858 2966570	89389	174360	387365	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	10238 856198	35330 2821177	84991	168283	384840	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 325223	17292 1036925	33887	65902	135145	+++++ 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	34458 3210877	134125 9929582	315961	627781	1491306	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	10727 821193	34155 2669950	80912	162481	376809	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd 4	Ave	+++++ 1768991	75021 5541574	164870	339384	799612	+++++ 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	292299 308017	281671 320780	271673	288539	307122	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	70239 74581	67762 75522	64365	68564	71801	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd 5	Ave	1190759 1257186	1165159 1292120	1133439	1185836	1235285	50.0 50.0	50.0 50.0	50.0	50.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	441333 478180	430894 491362	425094	448889	465204	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-256013/11	LY17X19.D
Level 2	IC 410-256013/12	LY17X20.D
Level 3	IC 410-256013/13	LY17X23.D
Level 4	IC 410-256013/14	LY17X24.D
Level 5	ICIS 410-256013/15	LY17X15.D
Level 6	IC 410-256013/16	LY17X16.D
Level 7	IC 410-256013/17	LY17X17.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	-34.6 3.4	22.9	-8.7	-2.6	6.4	13.1	50 30	30	30	30	30	30
Chloromethane	-7.1 -4.3	24.8	-10.2	-5.2	-1.4	3.4	50 30	30	30	30	30	30
Vinyl chloride	-26.3 0.6	22.8	-6.3	-2.4	3.2	8.4	50 30	30	30	30	30	30
1,3-Butadiene	8.5 -11.8	24.4	-8.2	-5.4	-4.6	-2.9	50 30	30	30	30	30	30
Bromomethane	-9.2 1.2	19.5	-10.2	-6.4	1.3	3.8	50 30	30	30	30	30	30
Chloroethane	-12.8 0.7	19.7	-8.7	-5.6	2.0	4.7	50 30	30	30	30	30	30
Dichlorofluoromethane	-12.0 -2.9	21.5	-7.8	-3.9	1.1	4.1	50 30	30	30	30	30	30
Trichlorofluoromethane	-30.3 -0.9	24.4	-5.8	0.5	3.8	8.4	50 30	30	30	30	30	30
n-Pentane	-15.7 0.9	9.4	19.8	-1.1	-17.8	4.6	50 30	30	30	30	30	30
Ethyl ether	-8.2 -9.6	22.5	16.1	9.7	-17.5	-13.0	50 30	30	30	30	30	30
Freon 123a	-15.8 -3.1	23.8	-3.6	-3.5	-0.7	2.9	50 30	30	30	30	30	30
Acrolein	-5.3 5.5	16.5	2.9	-8.9	-10.0	-0.6	50 30	30	30	30	30	30
1,1-Dichloroethene	-21.3 4.3	5.8	9.3	-0.5	-2.7	5.2	50 30	30	30	30	30	30
Acetone	5.9 2.5	18.0	0.4	-10.0	-8.8	-7.9	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Freon 113	+++++ 1.6	4.0	9.1	-3.8	-14.8	3.9	30	50	30	30	30	30
Methyl iodide	-22.1 5.7	5.6	6.4	-0.4	-1.4	6.1	50 30	30	30	30	30	30
2-Propanol	11.3 -12.7	11.6	16.9	-4.9	-13.0	-9.2	50 30	30	30	30	30	30
Carbon disulfide	-25.2 8.0	5.7	6.3	-0.4	-2.3	7.9	50 30	30	30	30	30	30
Methyl acetate	-2.5 -6.1	25.6	3.4	-7.3	-9.4	-3.7	50 30	30	30	30	30	30
Allyl chloride	-13.5 1.3	10.3	5.8	2.4	-7.3	1.0	50 30	30	30	30	30	30
Methylene Chloride	-20.5 2.4	9.2	7.5	1.9	-3.2	2.7	50 30	30	30	30	30	30
t-Butyl alcohol	-0.7 -13.3	21.3	13.5	-1.7	-11.5	-7.7	50 30	30	30	30	30	30
Acrylonitrile	-9.7 -2.6	15.3	2.7	-0.4	-5.2	-0.2	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-8.3 -0.8	11.0	4.7	0.2	-5.4	-1.3	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-23.3 2.5	11.8	8.2	2.8	-5.0	3.1	50 30	30	30	30	30	30
n-Hexane	-29.9 7.1	4.0	22.1	5.9	-20.1	11.0	50 30	30	30	30	30	30
1,1-Dichloroethane	-22.1 1.0	6.8	10.9	5.4	-4.8	2.7	50 30	30	30	30	30	30
di-Isopropyl ether	-14.9 -1.5	11.3	7.3	2.6	-4.9	0.2	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-29.3 2.9	7.9	12.9	5.7	-4.8	4.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	-12.3 -3.1	10.5	6.6	2.7	-4.3	-0.2	50 30	30	30	30	30	30
2-Butanone	3.6 2.3	24.5	-4.1	-12.8	-9.6	-3.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-21.3 2.9	9.8	8.9	2.5	-5.4	2.7	50 30	30	30	30	30	30
2,2-Dichloropropane	-24.0 4.4	5.7	10.8	3.7	-4.8	4.3	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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	-3.9 -3.8	16.9	4.9	-4.1	-5.3	-4.8	50 30	30	30	30	30	30
Methacrylonitrile	-9.2 -0.7	14.0	3.7	-2.6	-4.8	-0.5	50 30	30	30	30	30	30
Bromochloromethane	-14.2 3.5	8.1	5.9	-1.7	-3.9	2.2	50 30	30	30	30	30	30
Tetrahydrofuran	8.6 -7.9	16.7	4.8	-5.6	-10.5	-6.2	50 30	30	30	30	30	30
Chloroform	-20.1 0.8	8.7	9.4	2.8	-3.8	2.2	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-32.0 3.3	9.0	12.9	5.1	-3.3	5.0	50 30	30	30	30	30	30
Cyclohexane	-33.5 4.7	6.1	22.1	5.0	-12.6	8.2	50 30	30	30	30	30	30
Carbon tetrachloride	-37.2 7.3	6.2	11.8	5.8	-2.3	8.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-27.4 3.3	4.9	14.1	6.3	-4.9	3.7	50 30	30	30	30	30	30
Isobutyl alcohol	1.4 -14.4	25.4	16.9	-9.9	-9.8	-9.5	50 30	30	30	30	30	30
Benzene	-22.2 2.1	5.1	11.7	4.3	-4.5	3.6	50 30	30	30	30	30	30
1,2-Dichloroethane	-5.3 -4.7	12.0	4.4	0.4	-5.0	-1.8	50 30	30	30	30	30	30
t-Amyl methyl ether	-14.2 -4.0	12.8	7.4	2.9	-3.7	-1.1	50 30	30	30	30	30	30
n-Heptane	-14.0 3.9	3.4	19.8	8.8	-28.7	6.8	50 30	30	30	30	30	30
n-Butanol	-24.3 0.6	11.7	12.7	3.2	-1.4	-2.5	50 30	30	30	30	30	30
Trichloroethene	-26.2 4.0	8.2	10.9	3.5	-4.5	4.1	50 30	30	30	30	30	30
Methylcyclohexane	-31.3 8.9	1.6	21.7	6.8	-18.1	10.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-22.9 5.4	5.8	9.6	3.2	-4.5	3.4	50 30	30	30	30	30	30
t-Amyl ethyl ether	-18.8 3.6	4.9	6.8	4.7	-4.5	3.3	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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	-14.7 0.8	10.4	7.5	0.4	-3.8	-0.6	50 30	30	30	30	30	30
1,4-Dioxane	-27.3 -4.8	9.8	17.5	6.3	0.4	-2.0	50 30	30	30	30	30	30
Dibromomethane	-16.7 0.9	9.3	7.7	1.5	-4.4	1.6	50 30	30	30	30	30	30
Bromodichloromethane	-19.0 3.9	4.0	7.0	3.7	-3.1	3.4	50 30	30	30	30	30	30
2-Nitropropane	-10.1 -2.8	10.3	8.1	0.5	-4.4	-1.5	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-8.8 -2.4	17.3	-0.6	-0.7	-4.7	-0.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-24.5 5.6	5.7	7.8	3.9	-3.6	5.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-9.1 4.6	17.2	-0.7	-6.6	-6.3	0.9	50 30	30	30	30	30	30
Toluene	-28.1 3.9	6.7	13.2	6.9	-5.2	2.6	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-18.8 4.4	2.5	7.2	5.0	-3.2	2.8	50 30	30	30	30	30	30
Ethyl methacrylate	-17.8 -0.3	11.1	7.1	3.0	-3.9	0.7	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-16.0 -1.5	8.1	10.6	4.1	-3.9	-1.4	50 30	30	30	30	30	30
Tetrachloroethene	-27.3 4.1	6.5	15.5	6.9	-8.0	2.3	50 30	30	30	30	30	30
1,3-Dichloropropane	-14.1 -2.6	8.7	10.3	3.4	-4.8	-1.0	50 30	30	30	30	30	30
2-Hexanone	-7.2 2.1	13.6	0.7	-5.5	-6.1	2.4	50 30	30	30	30	30	30
Dibromochloromethane	-24.3 6.4	3.4	9.0	2.1	-1.8	5.3	50 30	30	30	30	30	30
1,2-Dibromoethane	-17.0 -0.1	10.5	6.3	3.0	-3.0	0.3	50 30	30	30	30	30	30
1-Chlorohexane	-11.1 1.0	5.1	13.8	6.4	-14.6	-0.5	50 30	30	30	30	30	30
Chlorobenzene	-19.3 2.5	4.5	12.8	4.3	-6.4	1.5	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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	-30.5 9.6	2.0	11.1	6.4	-3.2	4.7	50 30	30	30	30	30	30
Ethylbenzene	-26.1 5.5	3.7	15.1	7.4	-7.7	2.2	50 30	30	30	30	30	30
m&p-Xylene	-26.3 7.2	3.3	12.8	7.0	-6.8	2.8	50 30	30	30	30	30	30
o-Xylene	-25.4 7.1	4.0	13.1	5.5	-6.2	1.8	50 30	30	30	30	30	30
Styrene	-23.8 8.4	0.9	11.1	6.1	-5.8	3.1	50 30	30	30	30	30	30
Bromoform	-21.4 9.3	0.9	4.5	1.3	-1.0	6.3	50 30	30	30	30	30	30
Isopropylbenzene	-27.8 4.8	1.8	17.1	8.8	-7.6	2.8	50 30	30	30	30	30	30
Cyclohexanone	-20.3 -6.1	32.0 *	-19.9	6.9	7.8	-0.4	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-12.4 -3.8	11.0	11.7	1.8	-5.7	-2.6	50 30	30	30	30	30	30
Bromobenzene	-9.8 4.4	4.8	9.1	1.8	-9.0	-1.2	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-17.2 1.6	8.0	10.0	2.7	-5.6	0.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-10.1 -5.9	16.3	13.0	-1.1	-7.9	-4.2	50 30	30	30	30	30	30
N-Propylbenzene	-24.1 1.1	4.0	18.1	9.8	-9.8	1.0	50 30	30	30	30	30	30
2-Chlorotoluene	-24.6 2.1	5.8	16.2	7.9	-7.8	0.4	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-25.8 5.2	1.5	16.6	9.6	-9.2	2.1	50 30	30	30	30	30	30
4-Chlorotoluene	-21.3 2.6	7.5	14.0	6.2	-8.8	-0.2	50 30	30	30	30	30	30
tert-Butylbenzene	-33.1 9.2	-2.5	20.9	9.7	-8.4	4.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-21.9 4.6	3.1	13.7	8.0	-8.6	1.2	50 30	30	30	30	30	30
sec-Butylbenzene	-25.7 3.8	3.6	17.8	10.1	-12.0	2.3	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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	-16.6 6.8	3.0	11.5	4.2	-9.0	0.0	50 30	30	30	30	30	30
p-Isopropyltoluene	-24.2 8.8	2.2	13.6	8.1	-11.4	2.9	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-7.4 2.8	5.2	10.3	2.0	-10.4	-2.4	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-19.9 6.7	2.8	11.4	6.3	-8.3	1.0	50 30	30	30	30	30	30
Benzyl chloride	-21.0 4.8	3.5	8.5	4.1	-3.3	3.4	50 30	30	30	30	30	30
1,3-Diethylbenzene	-22.3 6.2	2.2	15.9	7.9	-10.8	0.7	50 30	30	30	30	30	30
1,4-Diethylbenzene	-13.3 5.3	2.4	12.8	6.5	-13.0	-0.8	50 30	30	30	30	30	30
n-Butylbenzene	-9.7 4.1	0.1	13.3	8.2	-14.8	-1.2	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-11.7 2.8	6.4	9.6	3.0	-8.3	-1.8	50 30	30	30	30	30	30
1,2-Diethylbenzene	-21.7 8.5	2.5	13.1	6.9	-10.4	1.2	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-9.4 -3.5	12.9	8.7	-0.6	-6.4	-1.8	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	12.9 -1.3	3.1	7.8	0.6	-15.8	-7.3	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	20.3 -5.0	5.8	3.8	-1.7	-15.3	-8.1	50 30	30	30	30	30	30
Hexachlorobutadiene	+++++ -9.4	34.4	7.4	-0.1	-22.8	-9.4	 30	50	30	30	30	30
Naphthalene	10.4 -8.8	9.5	5.3	0.0	-10.5	-6.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	29.2 -7.8	4.8	1.3	-2.7	-15.0	-9.7	50 30	30	30	30	30	30
2-Methylnaphthalene	+++++ -4.8	14.5	2.7	1.1	-10.3	-3.2	 30	50	30	30	30	30
Dibromofluoromethane (Surr)	0.5 -0.1	-0.8	-2.2	0.0	2.1	0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.4 -1.3	0.2	-2.6	-0.2	0.3	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.: 410-84076-1 Analy Batch No.: 256013

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2022 13:25 Calibration End Date: 05/17/2022 18:20 Calibration ID: 38361

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)	0.8 -3.3	1.0	1.3	1.3	0.2	-1.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.6 -2.2	-0.6	1.1	2.0	0.4	-0.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-May-2022 14:53:30 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-011
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:24 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 15:52:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.066	2.072	-0.006	1	3024	1.00	0.6542	
4 Chloromethane	50	2.287	2.275	0.012	55	5414	1.00	0.9286	M
6 Vinyl chloride	62	2.390	2.397	-0.007	84	4343	1.00	0.7368	
5 Butadiene	39	2.410	2.403	0.007	81	6204	1.00	1.09	M
8 Bromomethane	94	2.757	2.747	0.010	78	4174	1.00	0.9084	
9 Chloroethane	64	2.828	2.831	-0.003	33	3054	1.00	0.8721	
10 Dichlorofluoromethane	67	3.085	3.085	0.000	39	7684	1.00	0.8798	
11 Trichlorofluoromethane	101	3.149	3.088	0.061	1	4992	1.00	0.6970	
12 Pentane	43	3.184	3.188	-0.004	63	5266	1.00	0.8429	M
14 Ethyl ether	59	3.410	3.406	0.004	79	3648	1.00	0.9183	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.487	3.493	-0.006	28	4431	1.00	0.8420	
16 Acrolein	56	3.577	3.586	-0.009	98	16103	10.0	9.47	
17 1,1-Dichloroethene	96	3.725	3.731	-0.006	71	3316	1.00	0.7872	
18 Acetone	58	3.754	3.750	0.004	77	1479	2.00	2.12	
19 112TCTFE	101	3.779	3.773	0.006	5	1947	1.00	0.5081	
20 Iodomethane	142	3.934	3.927	0.007	67	5722	1.00	0.7790	M
21 Isopropyl alcohol	45	3.924	3.934	-0.010	29	3060	5.00	5.56	M
22 Carbon disulfide	76	4.033	4.040	-0.007	100	9641	1.00	0.7480	
24 Methyl acetate	43	4.197	4.197	0.000	73	5619	1.00	0.9751	M
25 3-Chloro-1-propene	41	4.229	4.226	0.003	69	6423	1.00	0.8651	
* 27 t-Butyl alcohol-d10 (IS)	65	4.429	4.426	0.003	51	261038	250.0	250.0	M
26 Methylene Chloride	84	4.426	4.426	0.000	40	4041	1.00	0.7950	
28 2-Methyl-2-propanol	59	4.561	4.564	-0.003	13	5045	5.00	4.97	M
29 Acrylonitrile	53	4.757	4.766	-0.009	86	6549	2.50	2.26	
31 Methyl tert-butyl ether	73	4.827	4.834	-0.007	87	15522	1.00	0.9169	M
32 trans-1,2-Dichloroethene	96	4.856	4.844	0.012	43	3853	1.00	0.7673	
33 Hexane	57	5.278	5.262	0.016	80	3973	1.00	0.7008	
35 1,1-Dichloroethane	63	5.499	5.503	-0.004	87	7088	1.00	0.7795	
36 Isopropyl ether	45	5.557	5.557	0.000	80	13793	1.00	0.8509	
37 2-Chloro-1,3-butadiene	53	5.606	5.612	-0.006	64	5339	1.00	0.7070	

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	6.098	6.088	0.010	93	14671	1.00	0.8773	
S 39 1,2-Dichloroethene, Total	100				0			1.55	
40 2-Butanone (MEK)	43	6.310	6.297	0.013	94	8409	2.00	2.07	
41 cis-1,2-Dichloroethene	96	6.319	6.323	-0.004	82	4324	1.00	0.7873	
42 2,2-Dichloropropane	77	6.342	6.332	0.010	62	6000	1.00	0.7596	
44 Propionitrile	54	6.390	6.384	0.006	32	5611	5.00	4.81	M
45 Methacrylonitrile	67	6.593	6.599	-0.006	71	7505	2.50	2.27	
46 Chlorobromomethane	128	6.660	6.651	0.009	71	2479	1.00	0.8577	
47 Tetrahydrofuran	71	6.673	6.660	0.013	88	5978	5.00	5.43	
48 Chloroform	83	6.815	6.802	0.013	92	7350	1.00	0.7986	
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.020	-0.006	91	292299	50.0	50.3	
50 1,1,1-Trichloroethane	97	7.030	7.027	0.003	43	5361	1.00	0.6803	
51 Cyclohexane	56	7.130	7.127	0.004	60	4759	1.00	0.6654	
53 1,1-Dichloropropene	75	7.252	7.242	0.010	54	5120	1.00	0.7260	
52 Carbon tetrachloride	117	7.236	7.242	-0.006	59	4033	1.00	0.6278	
54 Isobutyl alcohol	41	7.374	7.390	-0.016	43	4313	12.5	12.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.467	0.000	97	70239	50.0	50.7	
56 Benzene	78	7.509	7.506	0.003	61	15866	1.00	0.7779	
57 1,2-Dichloroethane	62	7.577	7.573	0.004	98	7793	1.00	0.9466	
59 Tert-amyl methyl ether	73	7.683	7.686	-0.003	96	14518	1.00	0.8583	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	99	1149493	50.0	50.0	
62 n-Heptane	43	7.911	7.917	-0.006	44	5253	1.00	0.8596	
63 n-Butanol	56	8.278	8.265	0.013	39	2422	12.5	9.46	
64 Trichloroethene	95	8.387	8.380	0.007	92	3983	1.00	0.7380	
65 Methylcyclohexane	83	8.679	8.683	-0.004	72	5283	1.00	0.6871	
67 1,2-Dichloropropane	63	8.712	8.712	0.000	72	4328	1.00	0.7709	M
66 2-ethoxy-2-methyl butane	87	8.718	8.715	0.003	92	6800	1.00	0.8116	
68 Methyl methacrylate	69	8.792	8.789	0.003	95	4575	1.00	0.8532	
69 1,4-Dioxane	88	8.798	8.795	0.003	34	755	12.5	9.09	
70 Dibromomethane	93	8.818	8.821	-0.003	74	3295	1.00	0.8330	
72 Dichlorobromomethane	83	9.056	9.052	0.004	93	5710	1.00	0.8096	
73 2-Nitropropane	41	9.322	9.323	-0.001	99	11169	5.00	4.49	
74 2-Chloroethyl vinyl ether	63	9.406	9.403	0.003	89	4387	1.00	0.9120	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	92	6975	1.00	0.7552	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	15538	2.00	1.82	
$ 78 Toluene-d8 (Surr)	98	9.885	9.888	-0.003	94	1190759	50.0	50.4	
79 Toluene	92	9.962	9.962	0.000	96	9309	1.00	0.7186	
S 83 1,3-Dichloropropene, Total	100				0			1.57	
84 trans-1,3-Dichloropropene	75	10.213	10.210	0.003	88	7192	1.00	0.8124	
85 Ethyl methacrylate	69	10.271	10.265	0.006	84	7628	1.00	0.8221	
86 1,1,2-Trichloroethane	97	10.406	10.413	-0.007	90	4494	1.00	0.8401	
87 Tetrachloroethene	166	10.502	10.499	0.003	92	3696	1.00	0.7272	
88 1,3-Dichloropropane	76	10.576	10.573	0.003	95	7902	1.00	0.8594	
90 2-Hexanone	43	10.625	10.618	0.007	97	11657	2.00	1.86	
92 Chlorodibromomethane	129	10.779	10.782	-0.003	88	4396	1.00	0.7568	
93 Ethylene Dibromide	107	10.892	10.895	-0.003	96	4890	1.00	0.8301	
S 94 Xylenes, Total	106				0			2.22	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	882955	50.0	50.0	
96 1-Chlorohexane	91	11.322	11.326	-0.004	33	6514	1.00	0.8886	
97 Chlorobenzene	112	11.345	11.345	0.000	89	12288	1.00	0.8068	
98 1,1,1,2-Tetrachloroethane	131	11.429	11.425	0.003	45	3642	1.00	0.6946	
99 Ethylbenzene	91	11.432	11.432	0.000	98	19079	1.00	0.7391	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.541	11.544	-0.003	99	14771	2.00	1.47	
101 o-Xylene	106	11.869	11.872	-0.003	95	7525	1.00	0.7457	
102 Styrene	104	11.885	11.885	0.000	95	13103	1.00	0.7625	
103 Bromoform	173	12.043	12.043	0.000	91	3264	1.00	0.7862	
104 Isopropylbenzene	105	12.168	12.168	0.000	95	18204	1.00	0.7224	
106 Cyclohexanone	55	12.245	12.245	0.000	93	16509	50.0	39.9	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	86	441333	50.0	49.7	
108 1,1,2,2-Tetrachloroethane	83	12.412	12.409	0.003	94	7978	1.00	0.8764	
109 Bromobenzene	156	12.432	12.429	0.003	94	5720	1.00	0.9019	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	80	6171	2.50	2.07	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	67	2466	1.00	0.8991	
112 N-Propylbenzene	91	12.496	12.496	0.000	98	22481	1.00	0.7585	
113 2-Chlorotoluene	126	12.570	12.573	-0.003	95	4537	1.00	0.7543	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	93	15863	1.00	0.7419	
115 4-Chlorotoluene	126	12.666	12.663	0.003	98	4958	1.00	0.7867	
117 tert-Butylbenzene	134	12.866	12.869	-0.003	94	2738	1.00	0.6695	
119 1,2,4-Trimethylbenzene	105	12.914	12.911	0.003	98	17426	1.00	0.7811	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	19018	1.00	0.7428	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	81	10175	1.00	0.8339	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	95	17363	1.00	0.7582	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	466473	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.203	13.207	-0.004	87	11876	1.00	0.9256	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	93	18688	1.00	0.8009	
126 Benzyl chloride	91	13.281	13.281	0.000	99	14645	1.00	0.7900	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	10702	1.00	0.7773	
128 p-Diethylbenzene	119	13.409	13.409	0.000	96	12616	1.00	0.8674	
129 n-Butylbenzene	92	13.432	13.428	0.004	98	10719	1.00	0.9027	M
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	10860	1.00	0.8828	
131 o-diethylbenzene	119	13.486	13.483	0.003	97	9081	1.00	0.7827	M
133 1,2-Dibromo-3-Chloropropane	75	14.007	14.007	0.000	82	2095	1.00	0.9064	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.004	95	9727	1.00	1.13	Ma
135 1,2,4-Trichlorobenzene	180	14.557	14.554	0.003	94	10238	1.00	1.20	
136 Hexachlorobutadiene	225	14.637	14.637	0.000	95	13813	1.00	4.21	
137 Naphthalene	128	14.737	14.737	0.000	97	34458	1.00	1.10	
138 1,2,3-Trichlorobenzene	180	14.882	14.879	0.003	95	10727	1.00	1.29	
139 2-Methylnaphthalene	142	15.518	15.518	0.000	91	33607	1.00	2.01	
S 145 Total Diethylbenzene	1				0			2.43	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEE_IC_00003	Amount Added: 12.50	Units: mL	
MSV_HP23_ISSS_00007	Amount Added: 1.00	Units: uL	Run Reagent

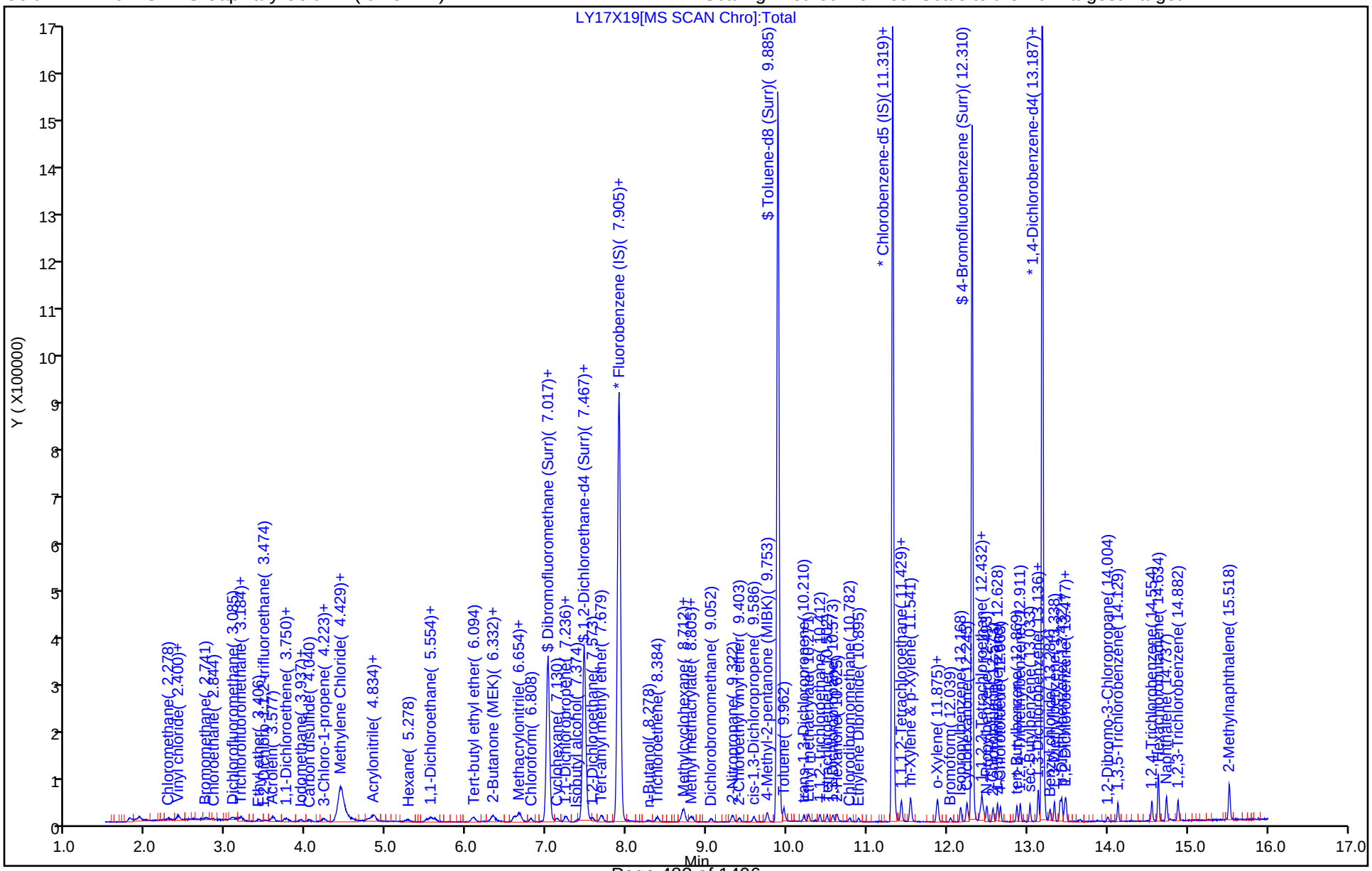
Report Date: 17-May-2022 19:17:25 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D

Injection Date:	17-May-2022 14:53:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v1			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

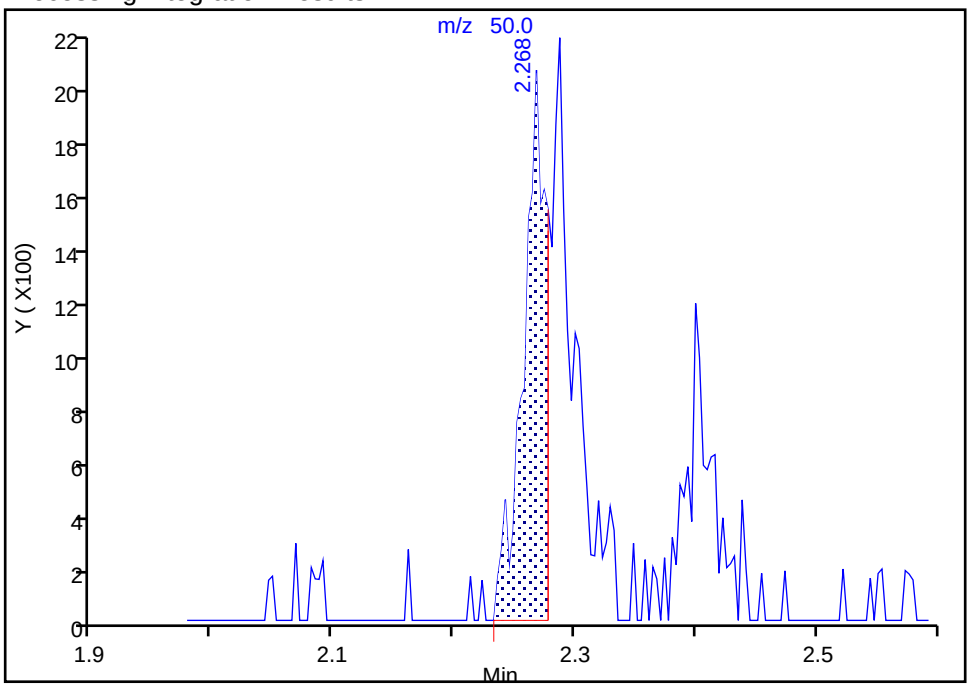
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

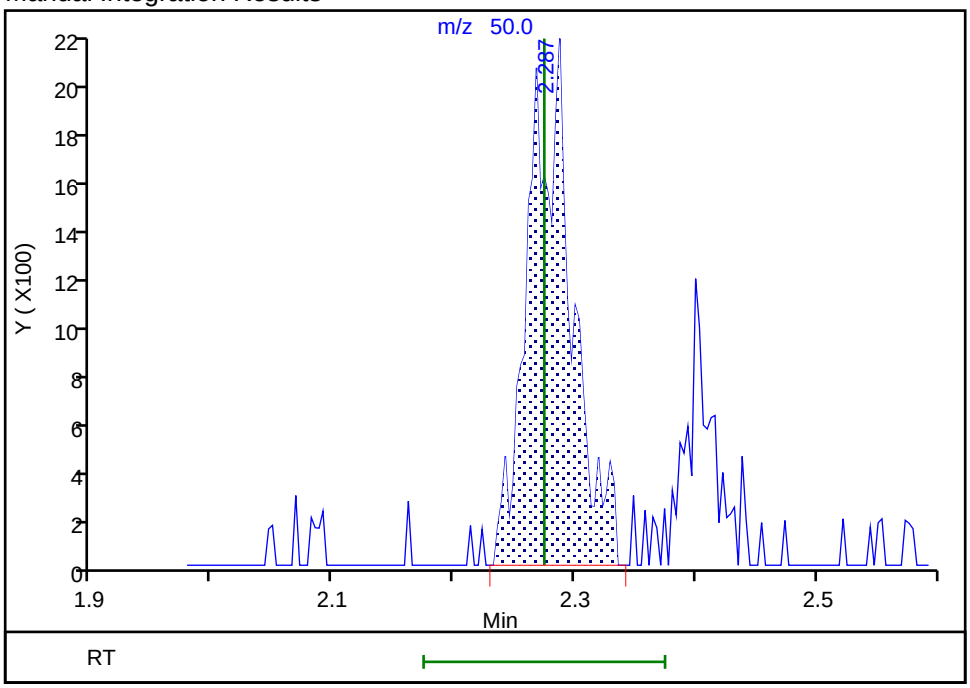
Processing Integration Results

RT: 2.27
Area: 2638
Amount: 0.475587
Amount Units: ug/l



Manual Integration Results

RT: 2.29
Area: 5414
Amount: 0.928554
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:49:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

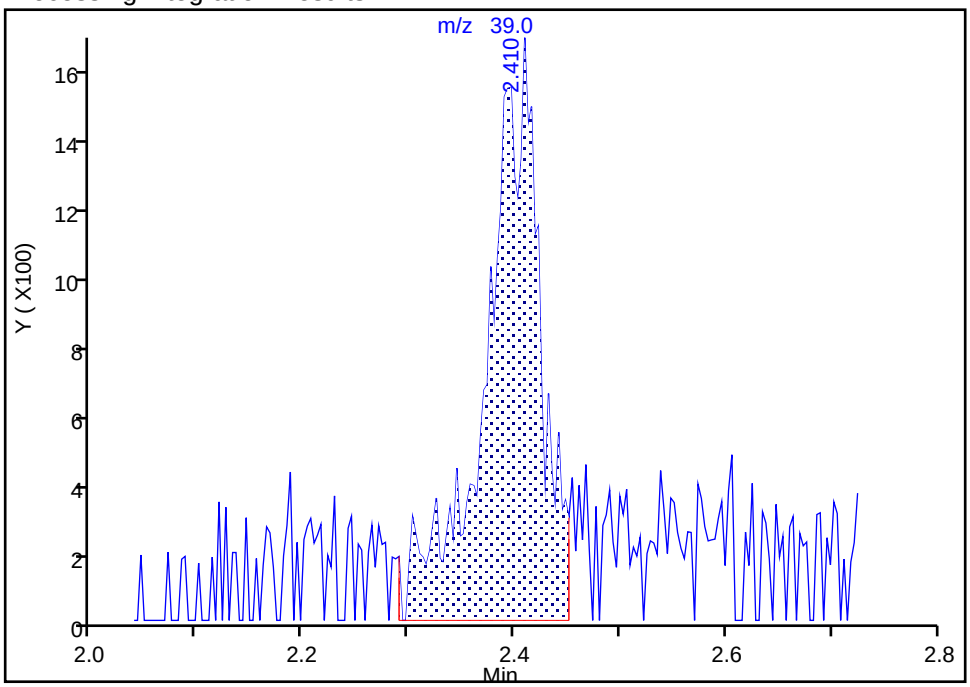
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

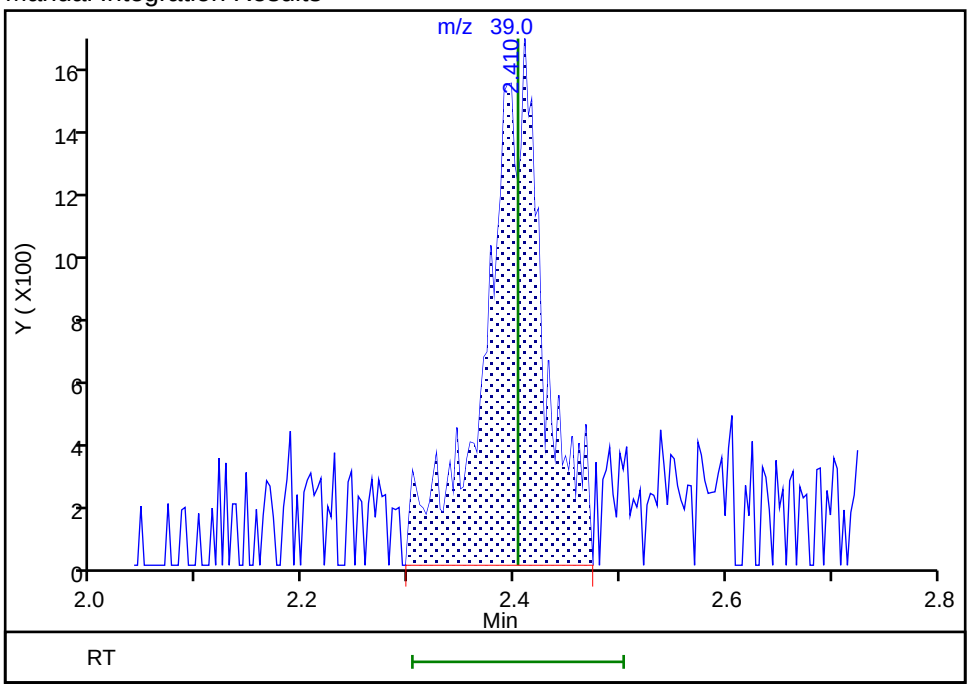
Processing Integration Results

RT: 2.41
Area: 5880
Amount: 1.026324
Amount Units: ug/l



Manual Integration Results

RT: 2.41
Area: 6204
Amount: 1.085475
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:49:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

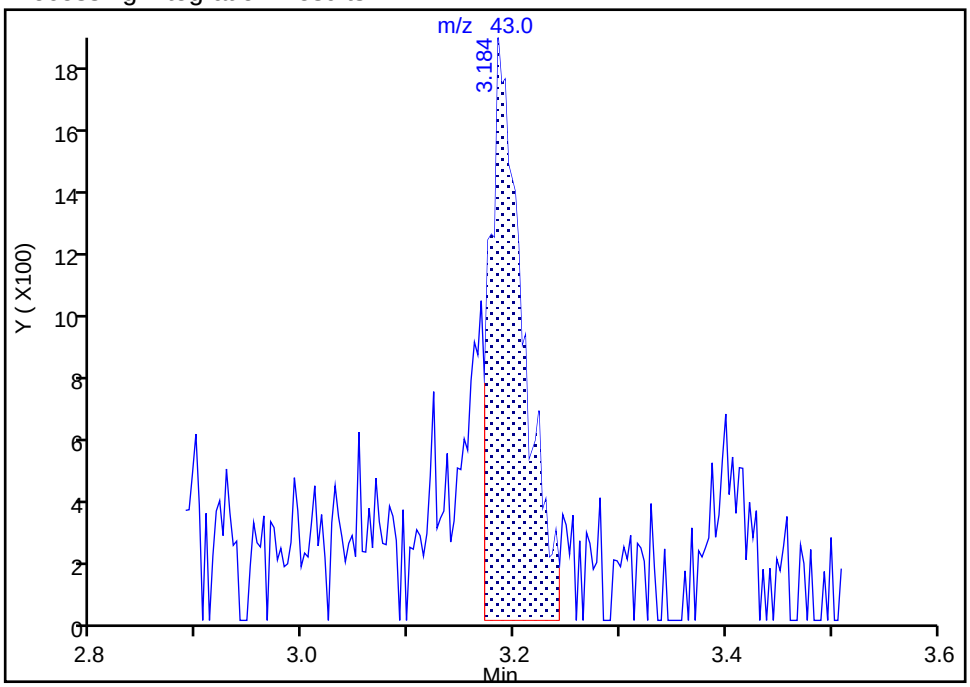
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

12 Pentane, CAS: 109-66-0

Signal: 1

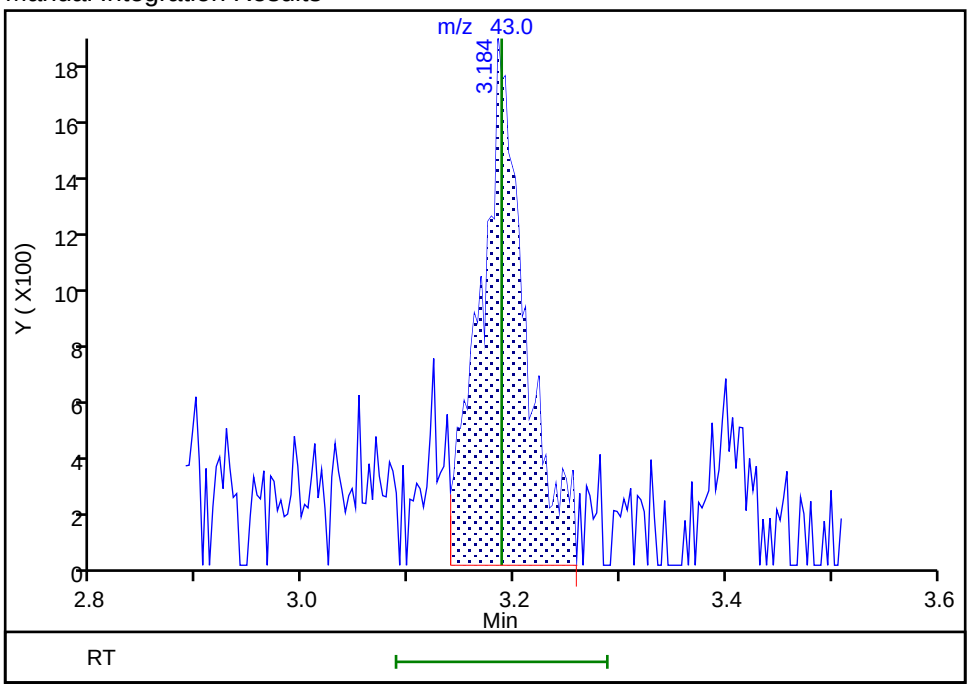
Processing Integration Results

RT: 3.18
Area: 3890
Amount: 3.585847
Amount Units: ug/l



Manual Integration Results

RT: 3.18
Area: 5266
Amount: 0.842889
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:04
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

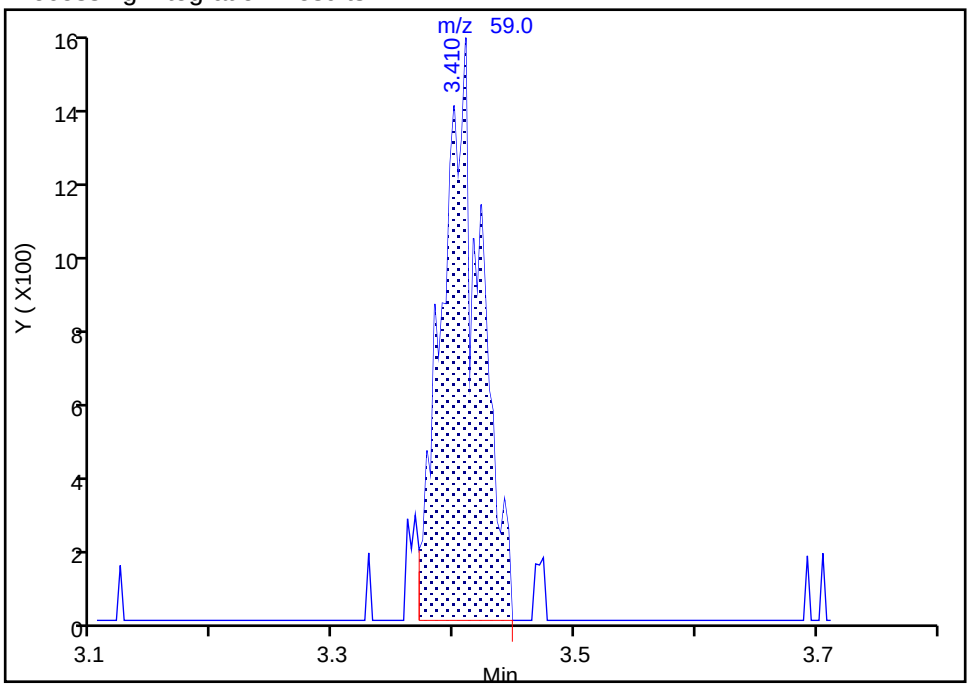
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Ethyl ether, CAS: 60-29-7

Signal: 1

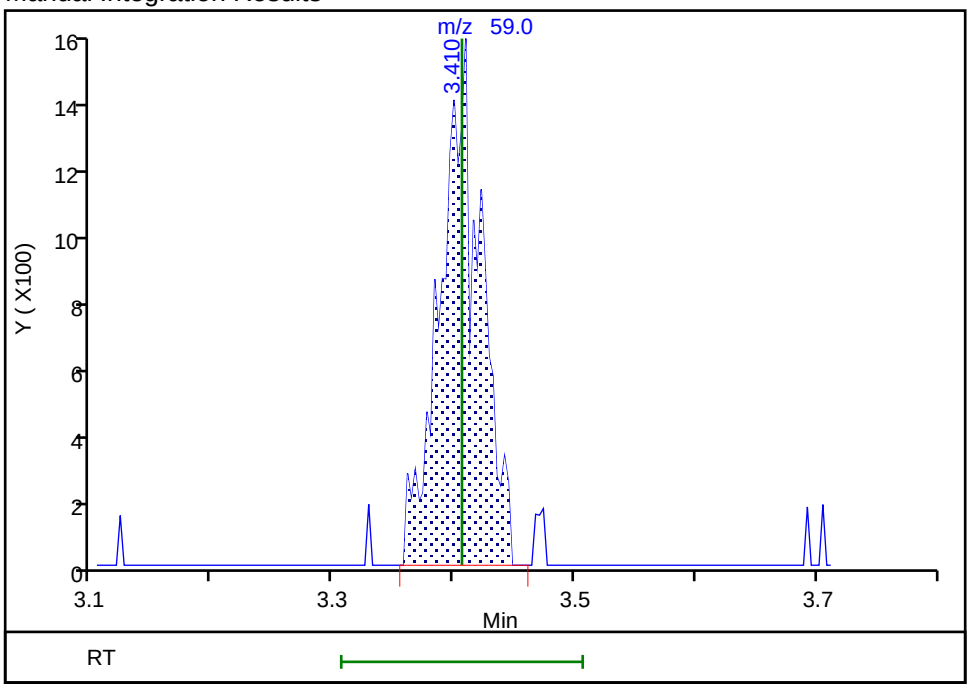
Processing Integration Results

RT: 3.41
Area: 3502
Amount: 0.966826
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 3648
Amount: 0.918311
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

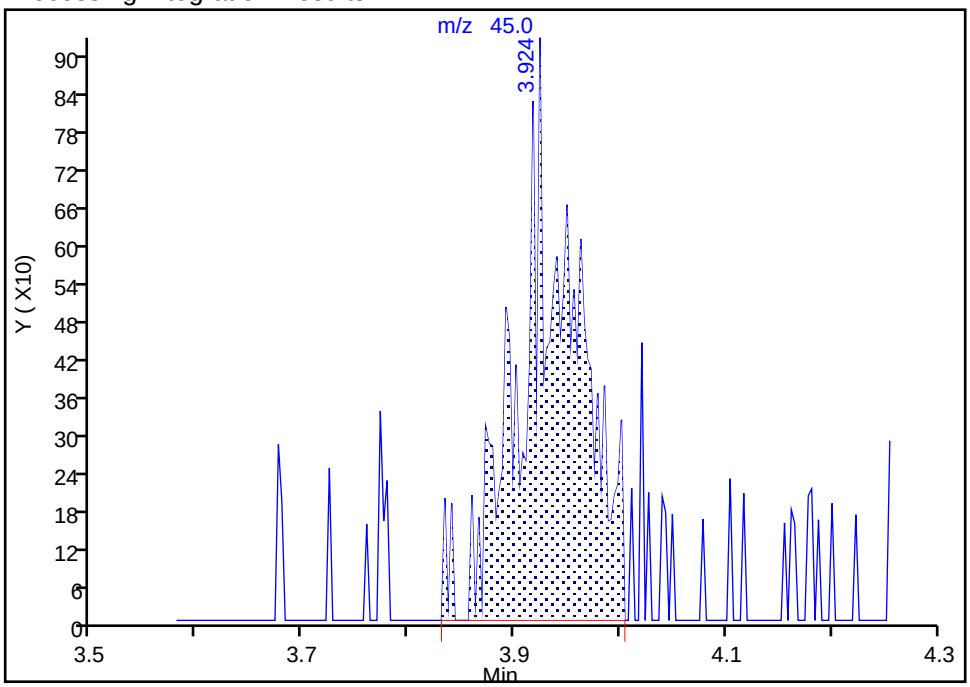
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

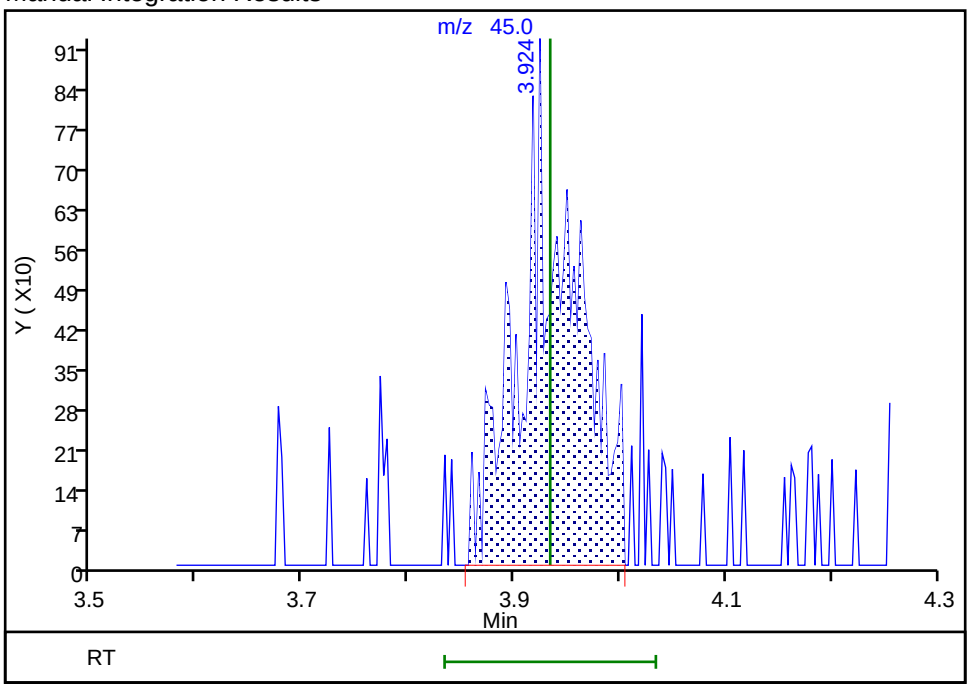
Processing Integration Results

RT: 3.92
Area: 3133
Amount: 6.046227
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 3060
Amount: 5.564950
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

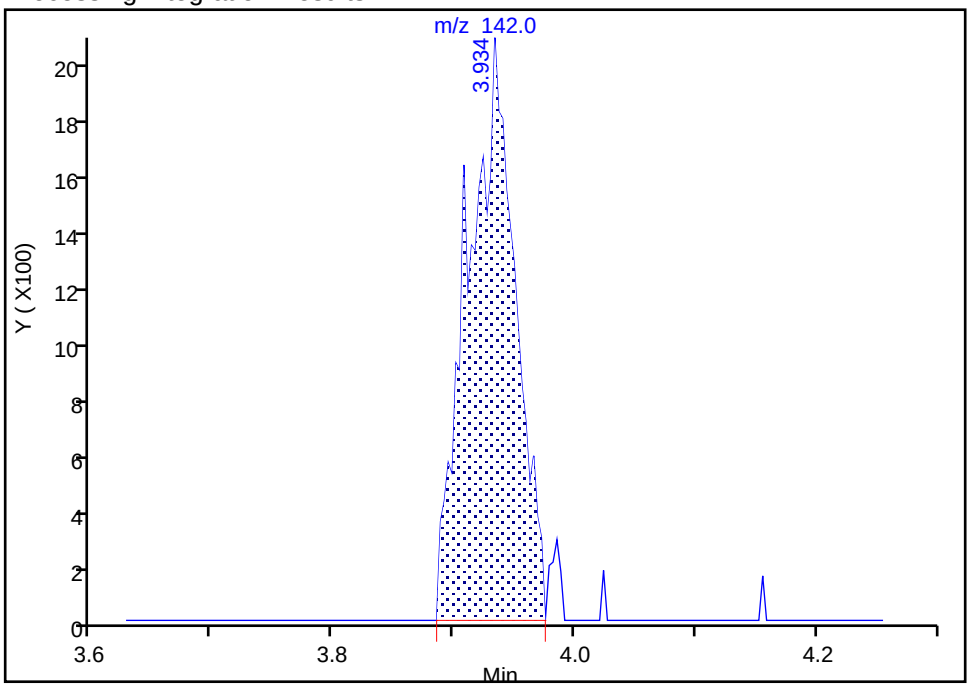
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D				
Injection Date:	17-May-2022 14:53:30	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	18	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Iodomethane, CAS: 74-88-4

Signal: 1

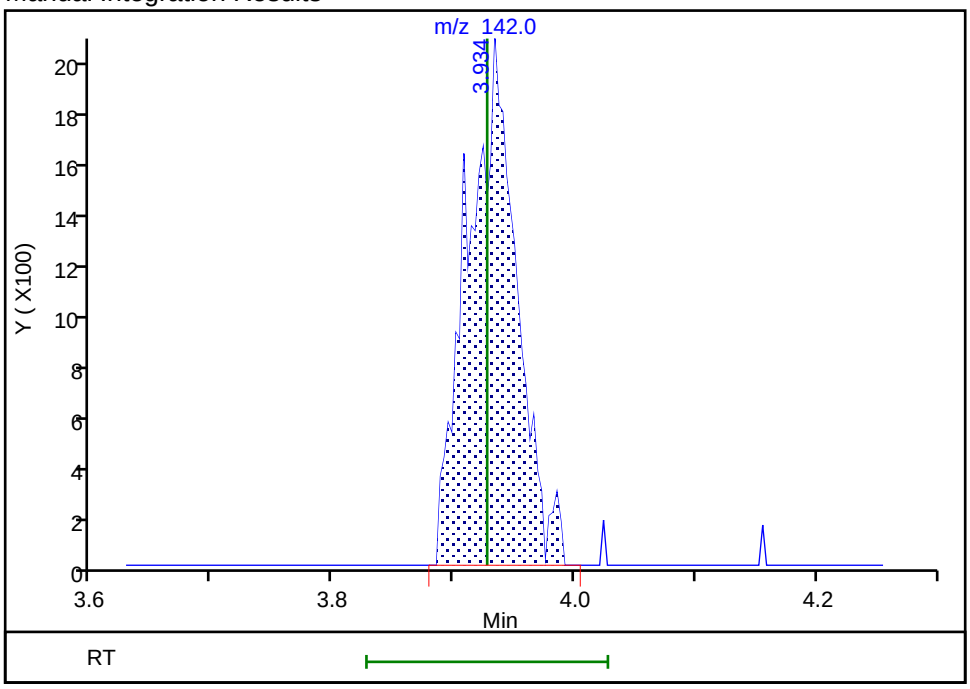
Processing Integration Results

RT: 3.93
Area: 5558
Amount: 0.775633
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 5722
Amount: 0.779049
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

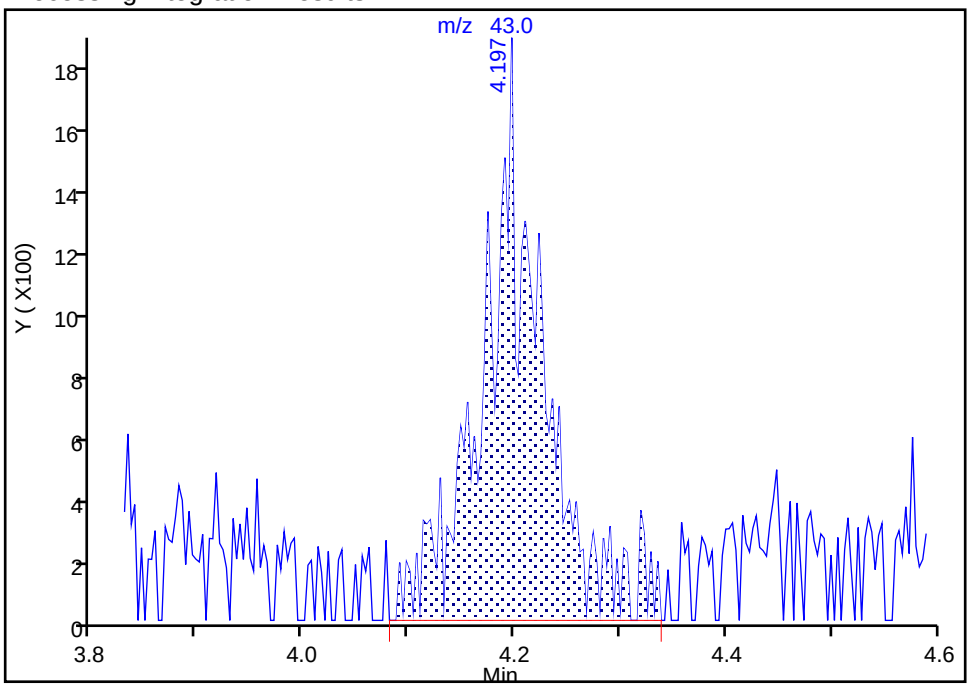
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

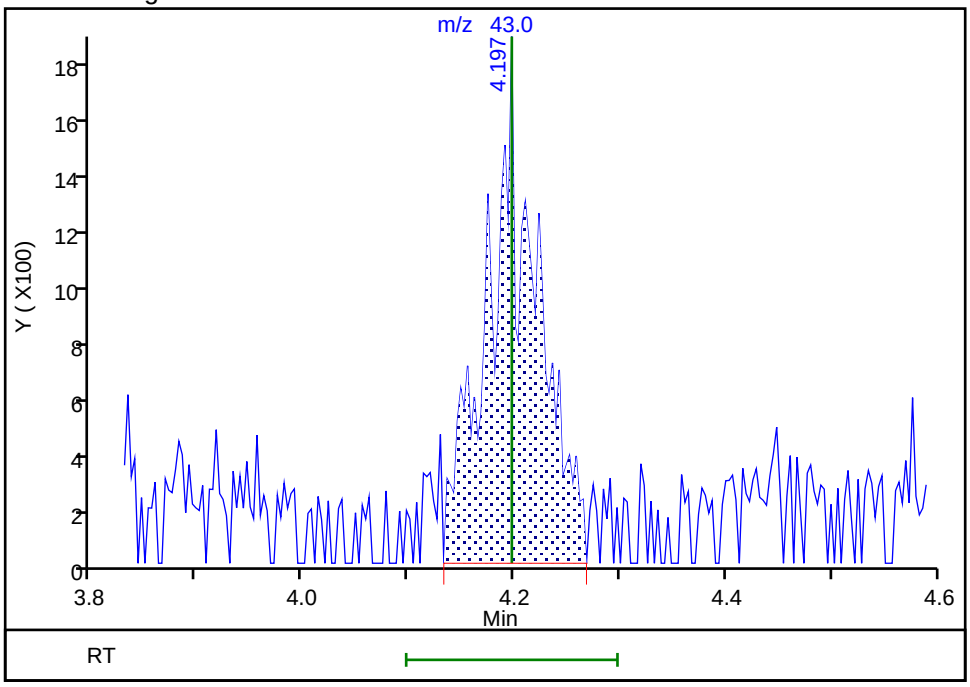
Processing Integration Results

RT: 4.20
Area: 6660
Amount: 1.150000
Amount Units: ug/l



Manual Integration Results

RT: 4.20
Area: 5619
Amount: 0.975120
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

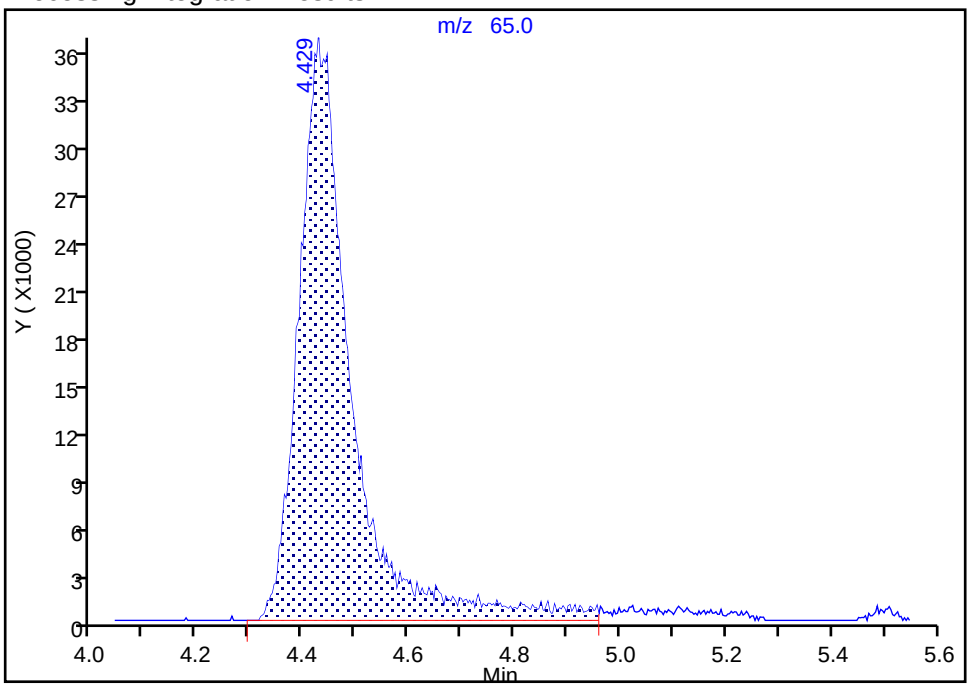
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

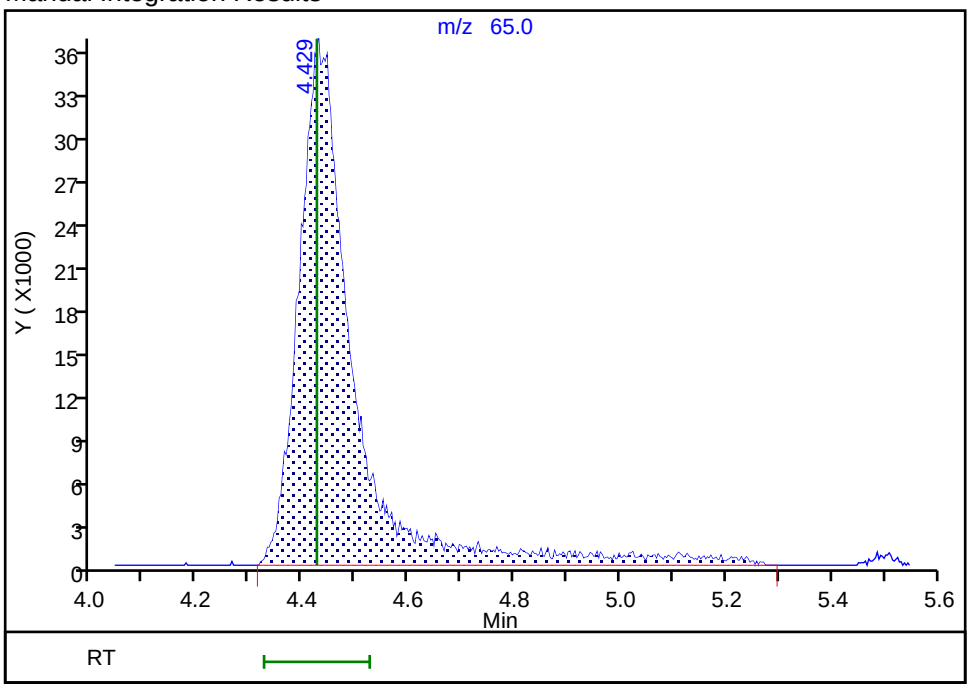
Processing Integration Results

RT: 4.43
Area: 251400
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.43
Area: 261038
Amount: 250.0000
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

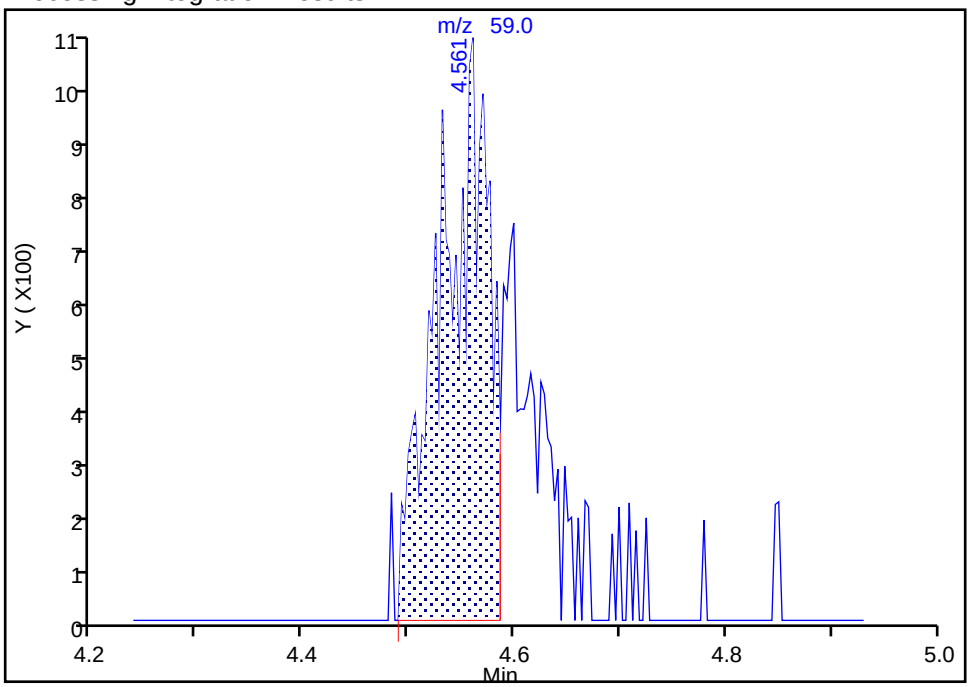
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

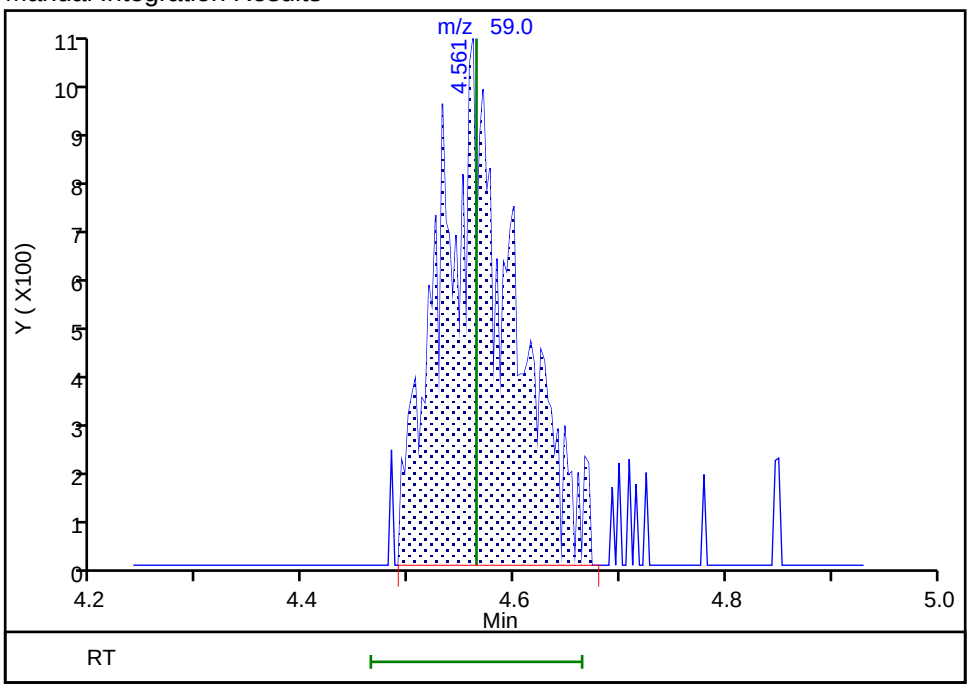
Processing Integration Results

RT: 4.56
Area: 3361
Amount: 3.571595
Amount Units: ug/l



Manual Integration Results

RT: 4.56
Area: 5045
Amount: 4.965828
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

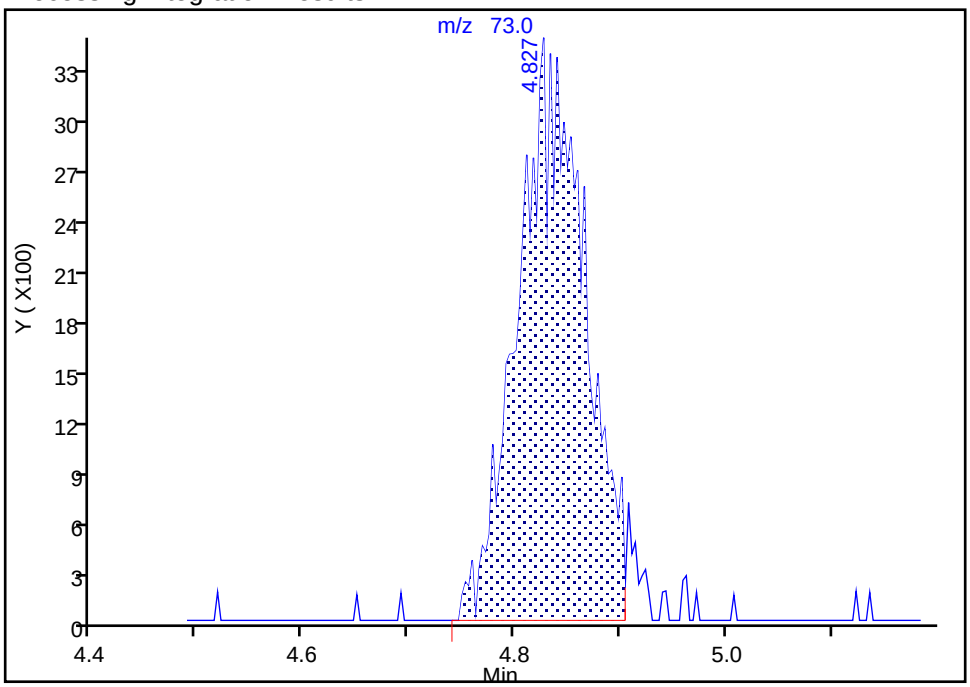
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

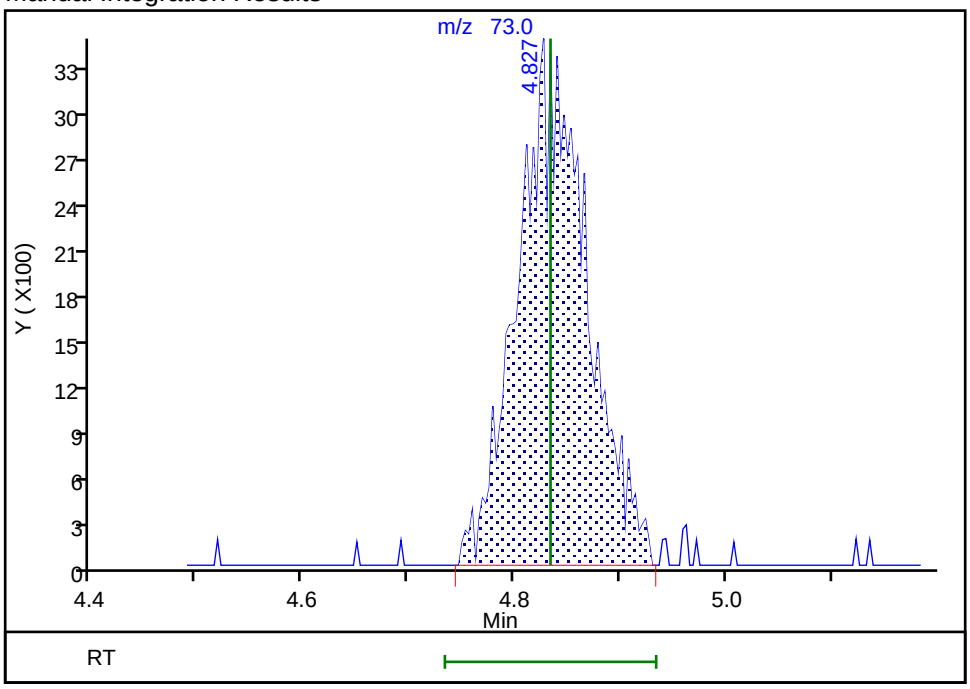
Processing Integration Results

RT: 4.83
Area: 15038
Amount: 0.925443
Amount Units: ug/l



Manual Integration Results

RT: 4.83
Area: 15522
Amount: 0.916880
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:50:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

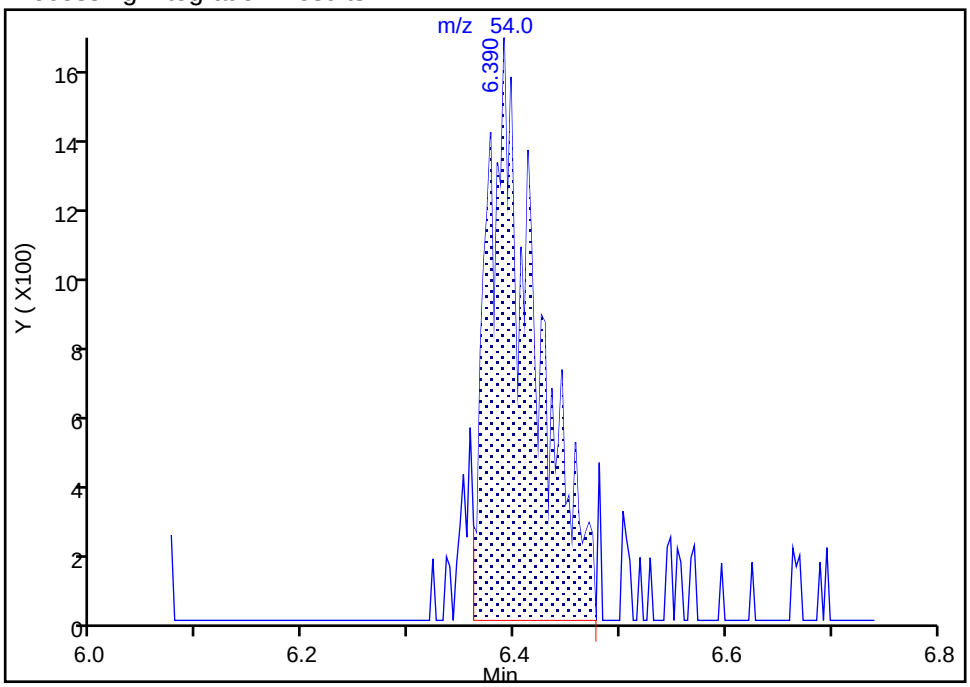
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

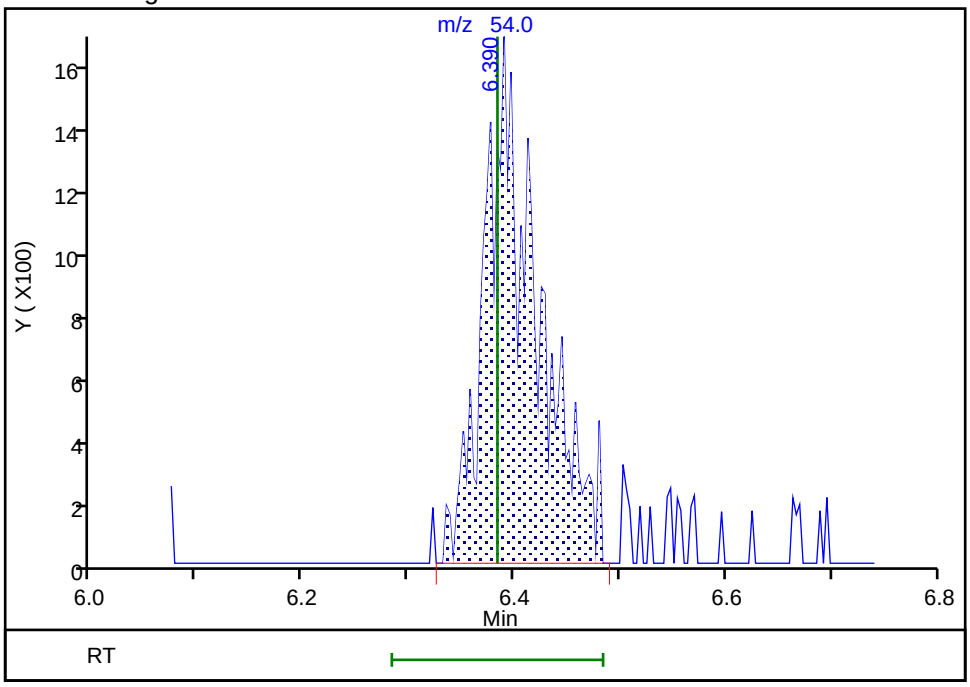
Processing Integration Results

RT: 6.39
Area: 5143
Amount: 4.652574
Amount Units: ug/l



Manual Integration Results

RT: 6.39
Area: 5611
Amount: 4.805064
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:51:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

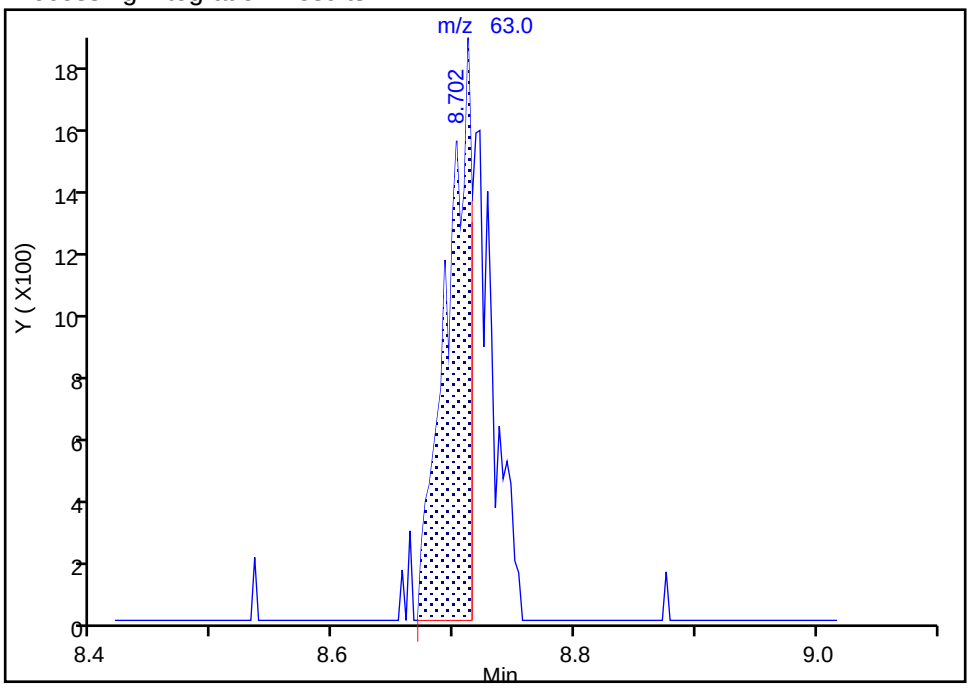
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

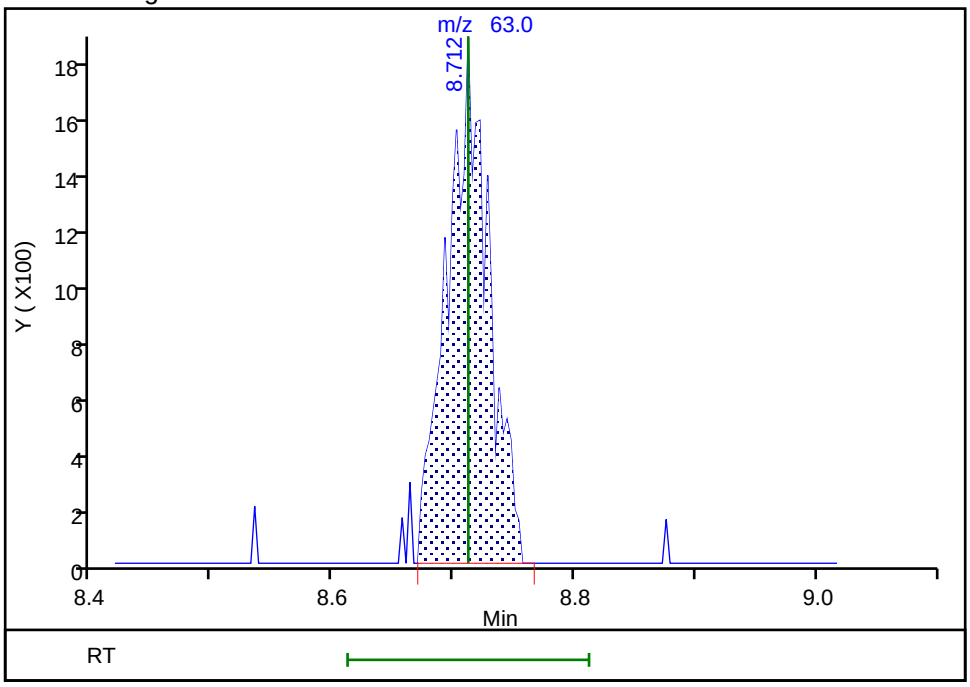
Processing Integration Results

RT: 8.70
Area: 2599
Amount: 0.969333
Amount Units: ug/l



Manual Integration Results

RT: 8.71
Area: 4328
Amount: 0.770862
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:51:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

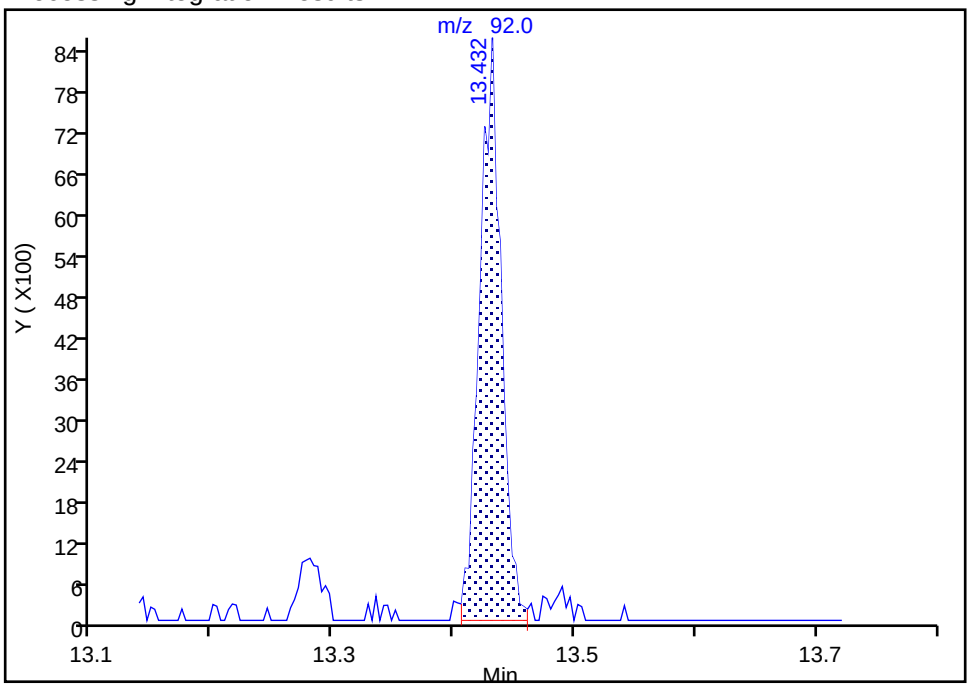
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D				
Injection Date:	17-May-2022 14:53:30	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	18	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

129 n-Butylbenzene, CAS: 104-51-8

Signal: 1

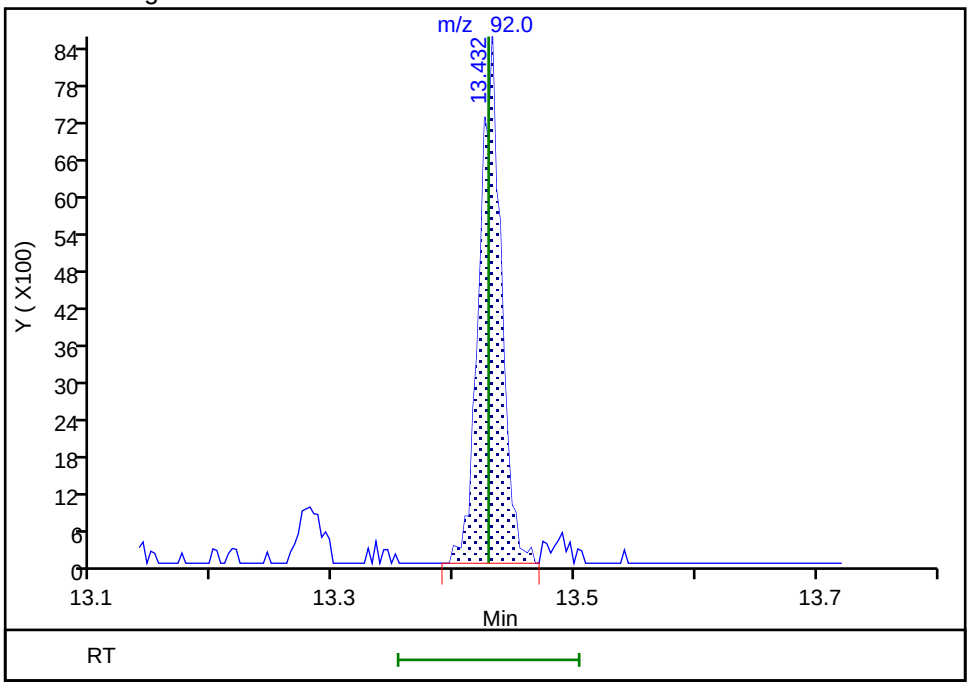
Processing Integration Results

RT: 13.43
Area: 10565
Amount: 0.965104
Amount Units: ug/l



Manual Integration Results

RT: 13.43
Area: 10719
Amount: 0.902737
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:52:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

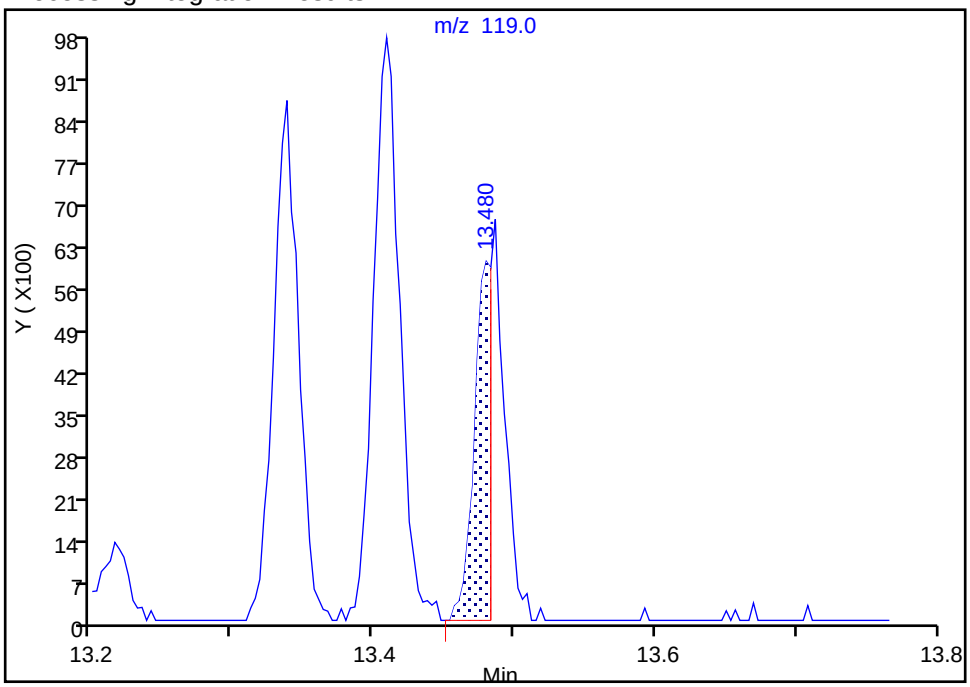
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

131 o-diethylbenzene, CAS: 135-01-3

Signal: 1

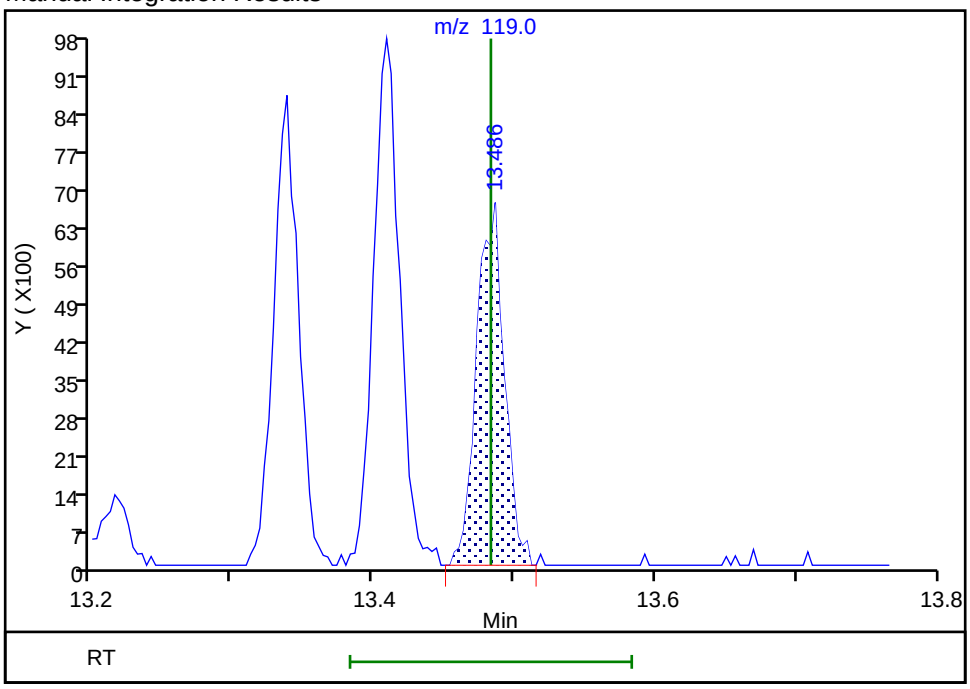
Processing Integration Results

RT: 13.48
Area: 5178
Amount: 1.166607
Amount Units: ug/l



Manual Integration Results

RT: 13.49
Area: 9081
Amount: 0.782685
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:52:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

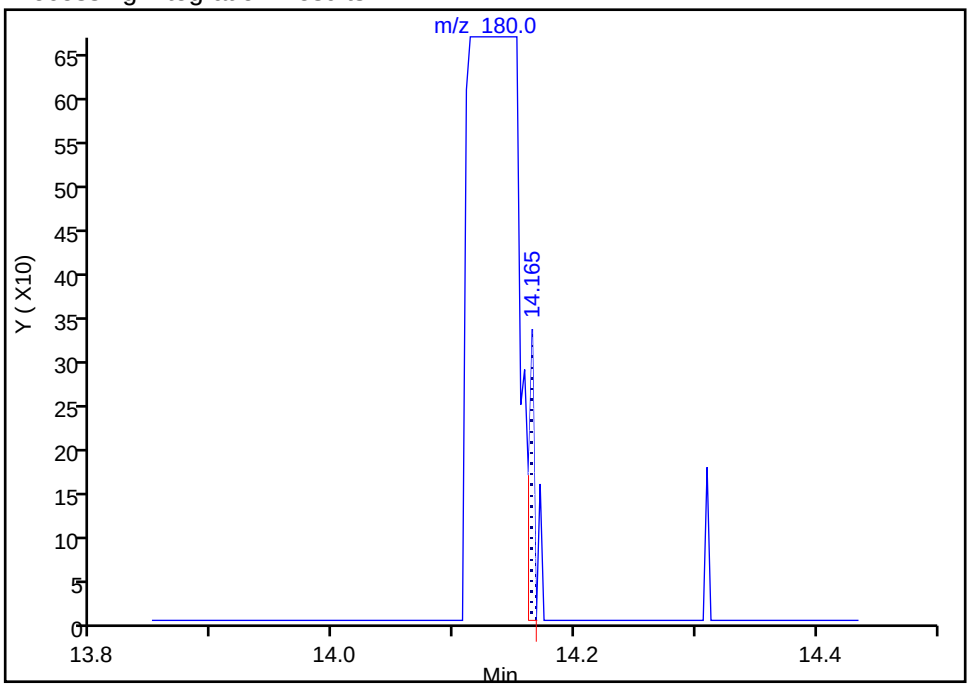
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X19.D
Injection Date: 17-May-2022 14:53:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: CLM27445 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

134 1,3,5-Trichlorobenzene, CAS: 108-70-3

Signal: 1

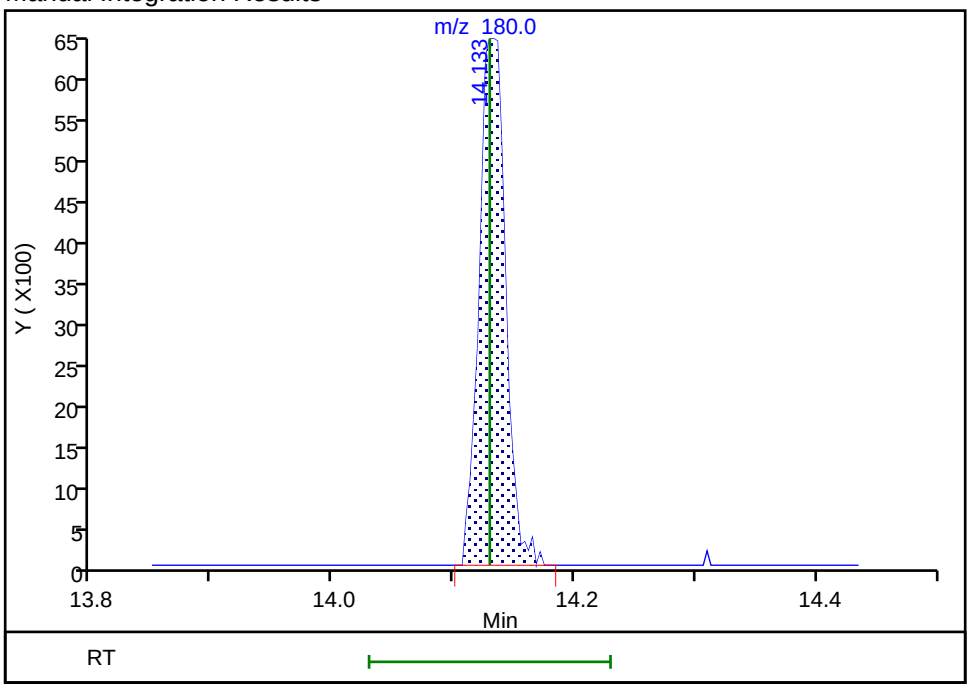
Processing Integration Results

RT: 14.16
Area: 96
Amount: 0.923461
Amount Units: ug/l



Manual Integration Results

RT: 14.13
Area: 9727
Amount: 1.128930
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:52:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-May-2022 15:15:30 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-012
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:29 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 15:55:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.066	2.072	-0.006	98	22195	4.00	4.92	M
4 Chloromethane	50	2.281	2.275	0.006	99	28416	4.00	4.99	
6 Vinyl chloride	62	2.390	2.397	-0.007	92	28267	4.00	4.91	
5 Butadiene	39	2.406	2.403	0.003	94	27770	4.00	4.98	M
8 Bromomethane	94	2.744	2.747	-0.003	90	21436	4.00	4.78	
9 Chloroethane	64	2.831	2.831	0.000	98	16375	4.00	4.79	
10 Dichlorofluoromethane	67	3.082	3.085	-0.003	96	41428	4.00	4.86	
11 Trichlorofluoromethane	101	3.152	3.088	0.064	95	34791	4.00	4.98	
12 Pentane	43	3.188	3.188	0.000	97	26682	4.00	4.37	M
14 Ethyl ether	59	3.406	3.406	0.000	92	19002	4.00	4.90	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.484	3.493	-0.009	72	25442	4.00	4.95	
16 Acrolein	56	3.586	3.586	0.000	98	78799	40.0	46.6	
17 1,1-Dichloroethene	96	3.731	3.731	0.000	98	17400	4.00	4.23	
18 Acetone	58	3.763	3.750	0.013	98	6553	8.00	9.44	M
19 112TCTFE	101	3.783	3.773	0.010	87	15558	4.00	4.16	
20 Iodomethane	142	3.927	3.927	0.000	98	30281	4.00	4.22	
21 Isopropyl alcohol	45	3.934	3.934	0.000	36	12201	20.0	22.3	M
22 Carbon disulfide	76	4.037	4.040	-0.003	99	53202	4.00	4.23	
24 Methyl acetate	43	4.191	4.197	-0.006	99	28254	4.00	5.02	M
25 3-Chloro-1-propene	41	4.229	4.226	0.003	94	31975	4.00	4.41	
* 27 t-Butyl alcohol-d10 (IS)	65	4.438	4.426	0.012	64	259493	250.0	250.0	M
26 Methylene Chloride	84	4.432	4.426	0.006	72	21669	4.00	4.37	
28 2-Methyl-2-propanol	59	4.577	4.564	0.013	82	24508	20.0	24.3	
29 Acrylonitrile	53	4.770	4.766	0.004	98	32639	10.0	11.5	
31 Methyl tert-butyl ether	73	4.834	4.834	0.000	94	73362	4.00	4.44	
32 trans-1,2-Dichloroethene	96	4.844	4.844	0.000	97	21924	4.00	4.47	
33 Hexane	57	5.274	5.262	0.012	97	23014	4.00	4.16	
35 1,1-Dichloroethane	63	5.496	5.503	-0.007	93	37931	4.00	4.27	
36 Isopropyl ether	45	5.561	5.557	0.004	93	70449	4.00	4.45	
37 2-Chloro-1,3-butadiene	53	5.615	5.612	0.003	95	31830	4.00	4.32	M

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	6.088	6.088	0.000	97	72184	4.00	4.42	
S 39 1,2-Dichloroethene, Total	100				0			8.86	
40 2-Butanone (MEK)	43	6.300	6.297	0.003	36	39451	8.00	9.96	M
41 cis-1,2-Dichloroethene	96	6.326	6.323	0.003	80	23543	4.00	4.39	
42 2,2-Dichloropropane	77	6.342	6.332	0.010	70	32602	4.00	4.23	
44 Propionitrile	54	6.390	6.384	0.006	98	27132	20.0	23.4	
45 Methacrylonitrile	67	6.602	6.599	0.003	90	36778	10.0	11.4	
46 Chlorobromomethane	128	6.657	6.651	0.006	68	12203	4.00	4.32	
47 Tetrahydrofuran	71	6.670	6.660	0.010	92	25542	20.0	23.3	
48 Chloroform	83	6.808	6.802	0.006	94	39081	4.00	4.35	
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.020	-0.006	92	281671	50.0	49.6	
50 1,1,1-Trichloroethane	97	7.024	7.027	-0.003	40	33537	4.00	4.36	
51 Cyclohexane	56	7.136	7.127	0.010	90	29632	4.00	4.24	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	92	28880	4.00	4.19	
52 Carbon tetrachloride	117	7.239	7.242	-0.003	87	26634	4.00	4.25	
54 Isobutyl alcohol	41	7.390	7.390	0.000	83	21201	50.0	62.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.467	0.000	98	67762	50.0	50.1	
56 Benzene	78	7.503	7.506	-0.003	93	83703	4.00	4.20	
57 1,2-Dichloroethane	62	7.570	7.573	-0.003	98	36018	4.00	4.48	
59 Tert-amyl methyl ether	73	7.683	7.686	-0.003	98	74497	4.00	4.51	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	98	1122269	50.0	50.0	
62 n-Heptane	43	7.914	7.917	-0.003	59	24675	4.00	4.14	M
63 n-Butanol	56	8.261	8.265	-0.004	88	14210	50.0	55.8	
64 Trichloroethene	95	8.377	8.380	-0.003	96	22800	4.00	4.33	
65 Methylcyclohexane	83	8.692	8.683	0.009	95	30504	4.00	4.06	
67 1,2-Dichloropropane	63	8.708	8.712	-0.004	75	23197	4.00	4.23	
66 2-ethoxy-2-methyl butane	87	8.708	8.715	-0.007	89	34334	4.00	4.20	
68 Methyl methacrylate	69	8.795	8.789	0.006	89	23128	4.00	4.42	a
69 1,4-Dioxane	88	8.792	8.795	-0.003	46	4533	50.0	54.9	M
70 Dibromomethane	93	8.824	8.821	0.003	94	16891	4.00	4.37	
72 Dichlorobromomethane	83	9.056	9.052	0.004	98	28655	4.00	4.16	
73 2-Nitropropane	41	9.319	9.323	-0.004	99	54528	20.0	22.1	
74 2-Chloroethyl vinyl ether	63	9.403	9.403	0.000	91	22042	4.00	4.69	
75 cis-1,3-Dichloropropene	75	9.583	9.586	-0.003	93	38110	4.00	4.23	
77 4-Methyl-2-pentanone (MIBK)	43	9.750	9.753	-0.003	98	78270	8.00	9.38	
$ 78 Toluene-d8 (Surr)	98	9.885	9.888	-0.003	94	1165159	50.0	50.5	
79 Toluene	92	9.966	9.962	0.004	98	53986	4.00	4.27	
S 83 1,3-Dichloropropene, Total	100				0			8.33	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	95	35420	4.00	4.10	
85 Ethyl methacrylate	69	10.268	10.265	0.003	88	40239	4.00	4.44	
86 1,1,2-Trichloroethane	97	10.412	10.413	-0.001	93	22578	4.00	4.32	
87 Tetrachloroethene	166	10.503	10.499	0.004	94	21135	4.00	4.26	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	92	39004	4.00	4.35	
90 2-Hexanone	43	10.625	10.618	0.007	98	55698	8.00	9.09	
92 Chlorodibromomethane	129	10.785	10.782	0.003	89	23451	4.00	4.14	
93 Ethylene Dibromide	107	10.895	10.895	0.000	96	25411	4.00	4.42	
S 94 Xylenes, Total	106				0			12.4	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	861819	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	92	30089	4.00	4.20	
97 Chlorobenzene	112	11.348	11.345	0.003	95	62134	4.00	4.18	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	92	20880	4.00	4.08	
99 Ethylbenzene	91	11.429	11.432	-0.003	99	104525	4.00	4.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	99	80777	8.00	8.26	
101 o-Xylene	106	11.872	11.872	0.000	97	40981	4.00	4.16	
102 Styrene	104	11.882	11.885	-0.003	94	67682	4.00	4.04	
103 Bromoform	173	12.039	12.043	-0.004	92	16359	4.00	4.04	
104 Isopropylbenzene	105	12.165	12.168	-0.003	96	100202	4.00	4.07	
106 Cyclohexanone	55	12.245	12.245	0.000	94	108684	200.0	263.9	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	85	430894	50.0	49.7	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	39661	4.00	4.44	
109 Bromobenzene	156	12.428	12.429	-0.001	96	26077	4.00	4.19	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	94	31590	10.0	10.8	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	86	12515	4.00	4.65	
112 N-Propylbenzene	91	12.493	12.496	-0.003	99	120916	4.00	4.16	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	24967	4.00	4.23	
114 1,3,5-Trimethylbenzene	105	12.631	12.628	0.003	95	85144	4.00	4.06	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	26574	4.00	4.30	
117 tert-Butylbenzene	134	12.872	12.869	0.003	93	15647	4.00	3.90	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	90263	4.00	4.12	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	104073	4.00	4.14	
121 1,3-Dichlorobenzene	146	13.136	13.133	0.003	97	49301	4.00	4.12	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	91827	4.00	4.09	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	457638	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	95	52970	4.00	4.21	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	94102	4.00	4.11	
126 Benzyl chloride	91	13.281	13.281	0.000	99	75264	4.00	4.14	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	96	55242	4.00	4.09	
128 p-Diethylbenzene	119	13.409	13.409	0.000	93	58422	4.00	4.09	
129 n-Butylbenzene	92	13.432	13.428	0.004	97	46663	4.00	4.01	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	51376	4.00	4.26	
131 o-diethylbenzene	119	13.480	13.483	-0.003	96	46670	4.00	4.10	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.007	-0.003	81	10245	4.00	4.52	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	95	34858	4.00	4.12	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	93	35330	4.00	4.23	
136 Hexachlorobutadiene	225	14.634	14.637	-0.003	95	17292	4.00	5.37	
137 Naphthalene	128	14.737	14.737	0.000	97	134125	4.00	4.38	
138 1,2,3-Trichlorobenzene	180	14.879	14.879	0.000	95	34155	4.00	4.19	
139 2-Methylnaphthalene	142	15.518	15.518	0.000	92	75021	4.00	4.58	
S 145 Total Diethylbenzene	1				0			12.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	2.00	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

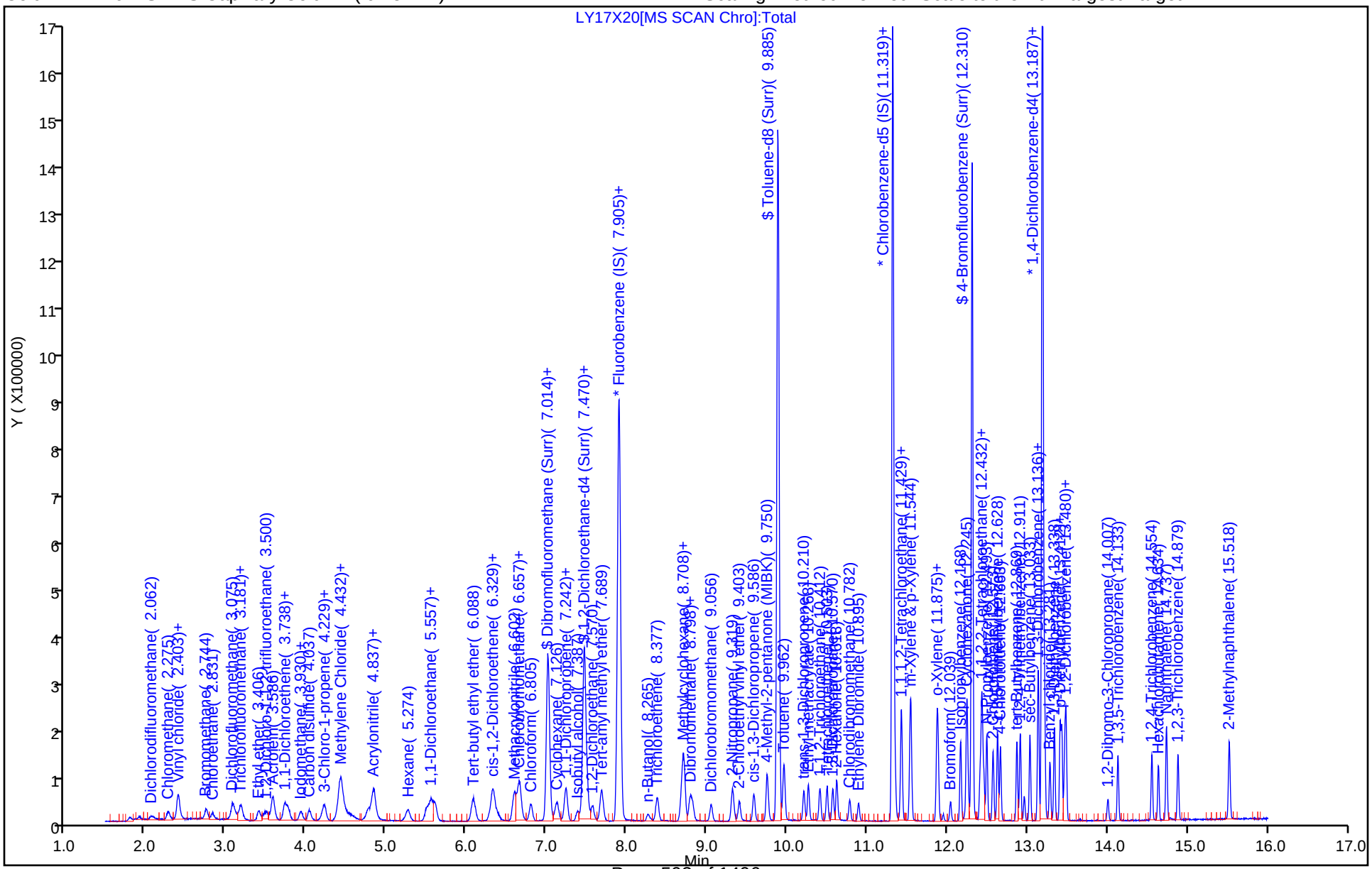
Report Date: 17-May-2022 19:17:30 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D

Injection Date:	17-May-2022 15:15:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

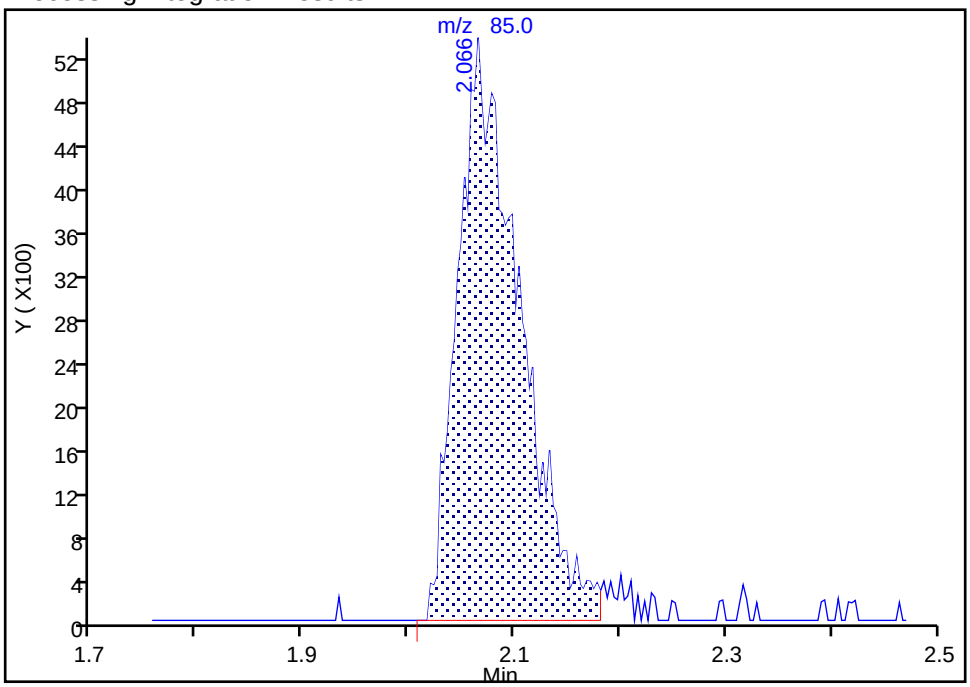
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

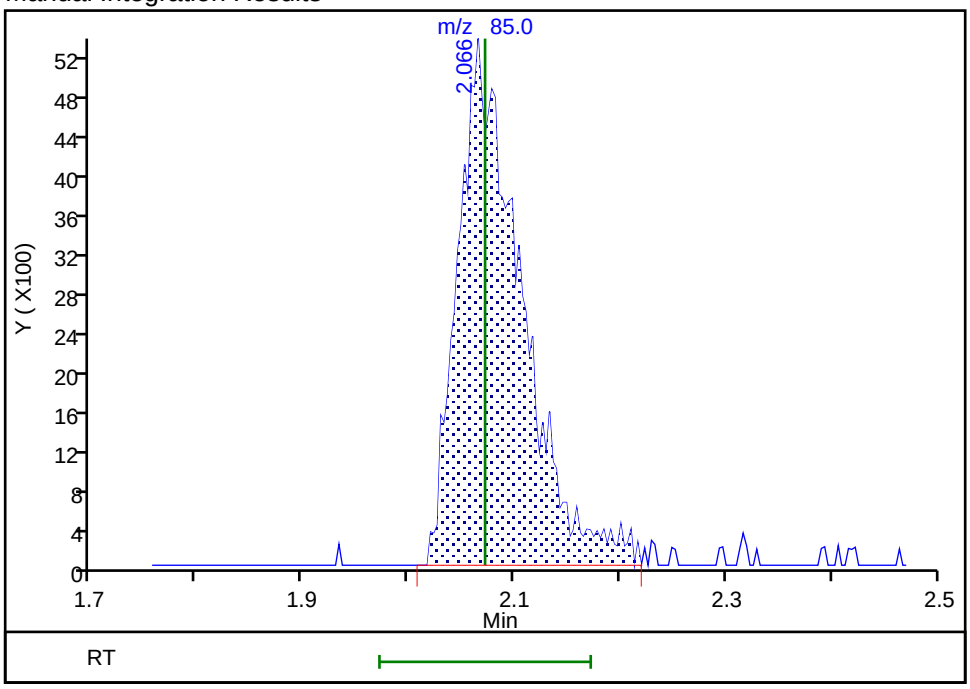
Processing Integration Results

RT: 2.07
Area: 21664
Amount: 4.841301
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 22195
Amount: 4.917808
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:53:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

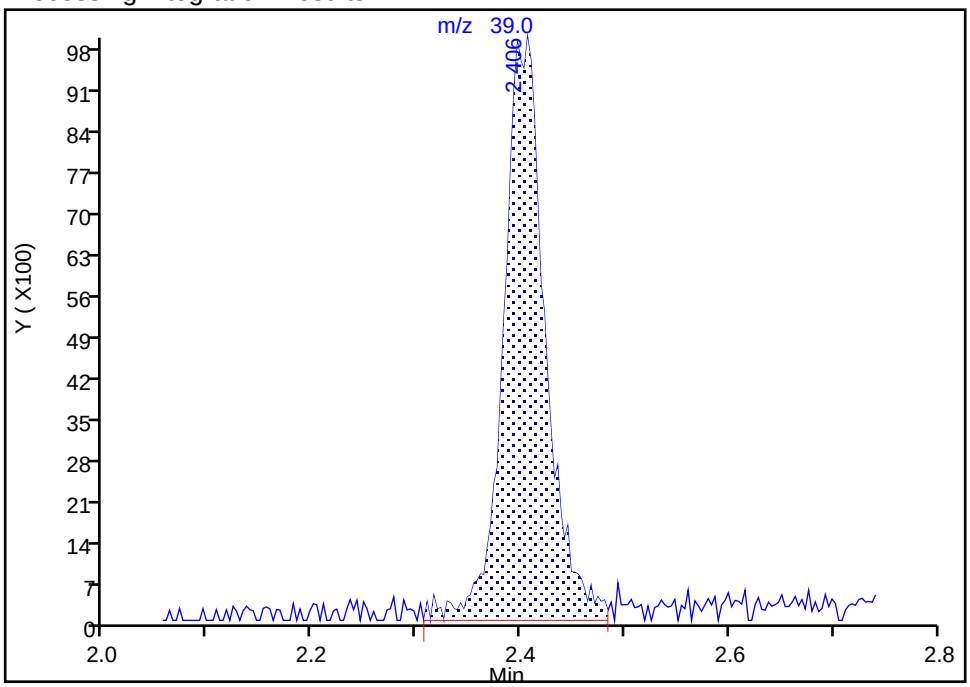
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

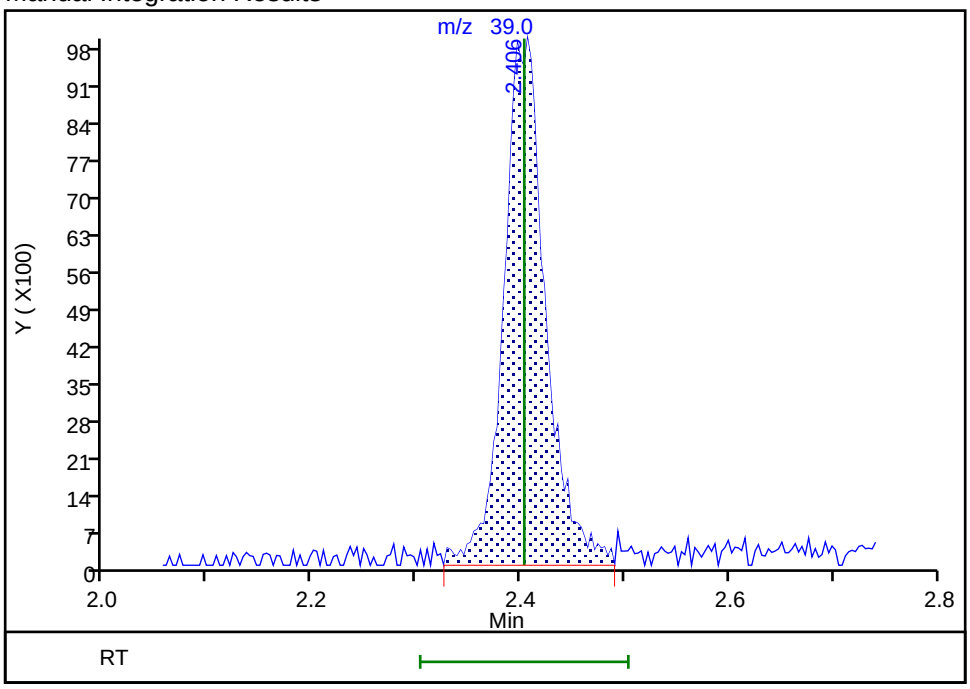
Processing Integration Results

RT: 2.41
Area: 27925
Amount: 4.952392
Amount Units: ug/l



Manual Integration Results

RT: 2.41
Area: 27770
Amount: 4.976605
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:53:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

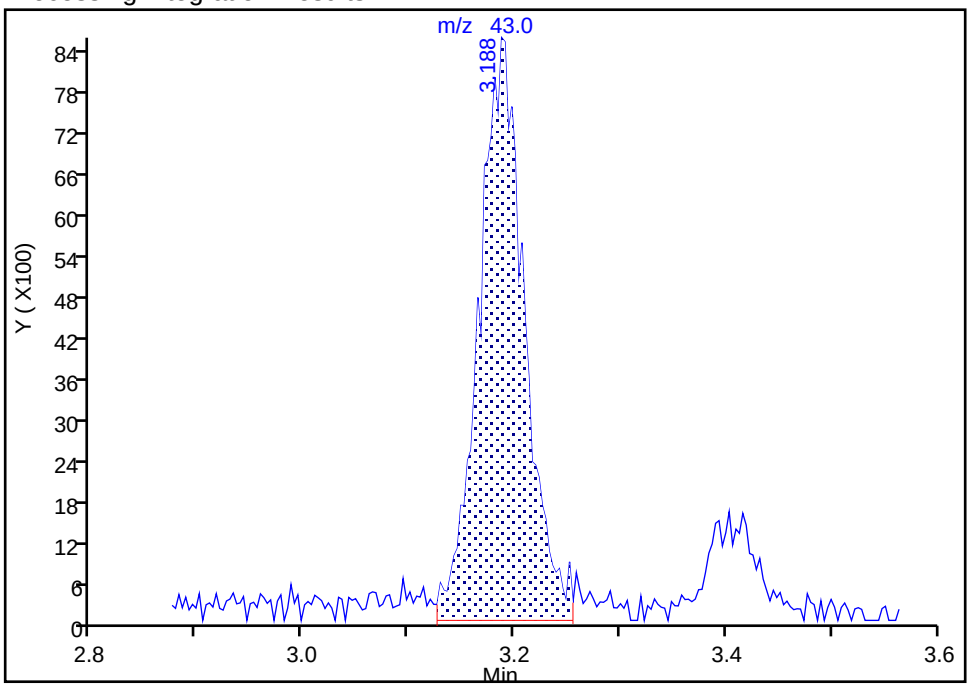
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D				
Injection Date:	17-May-2022 15:15:30	Instrument ID:	9915		
Lims ID:	IC v4				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	19	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

12 Pentane, CAS: 109-66-0

Signal: 1

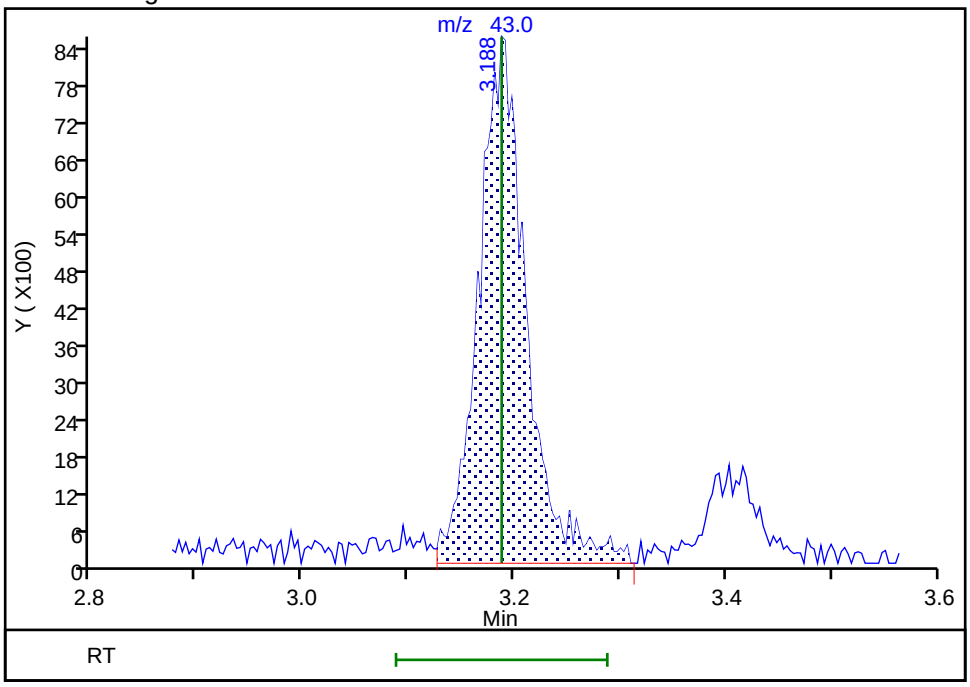
Processing Integration Results

RT: 3.19
Area: 25714
Amount: 7.062927
Amount Units: ug/l



Manual Integration Results

RT: 3.19
Area: 26682
Amount: 4.374388
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:53:32

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

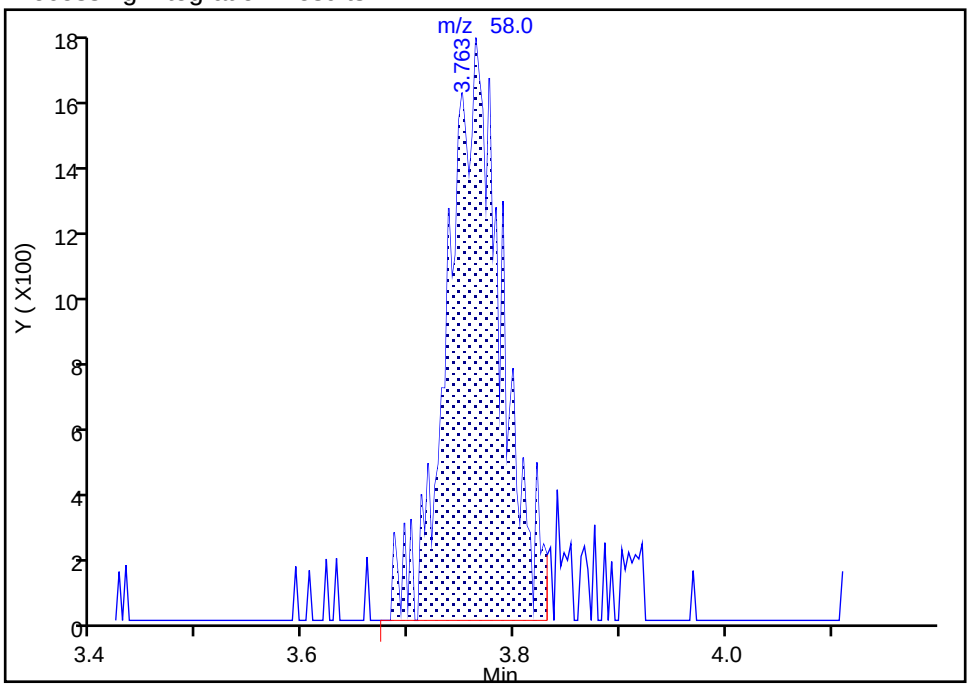
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

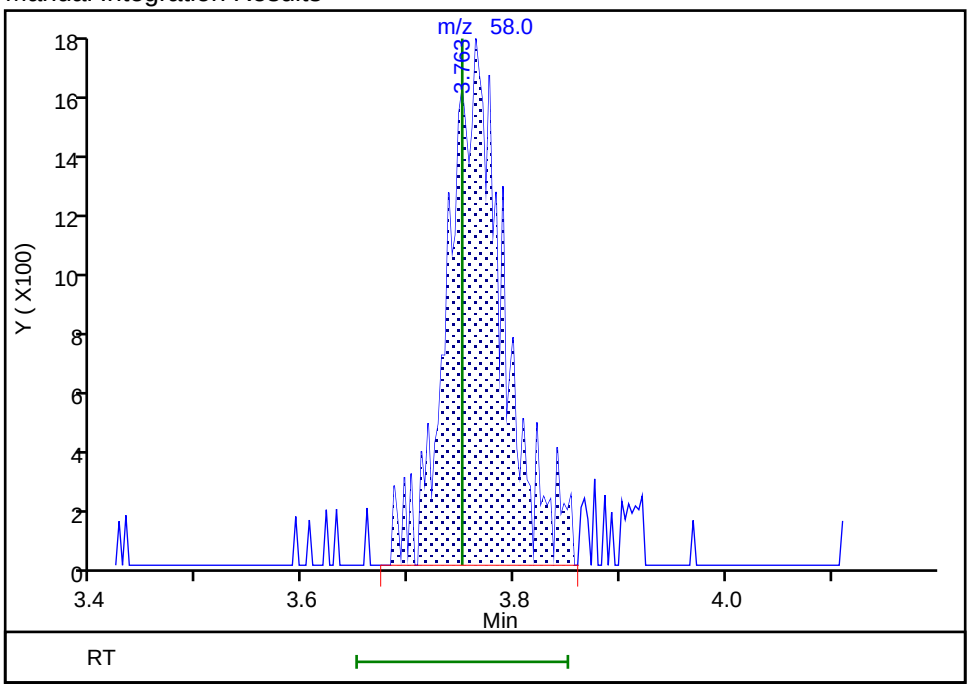
Processing Integration Results

RT: 3.76
Area: 6279
Amount: 9.255357
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 6553
Amount: 9.439949
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:53:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

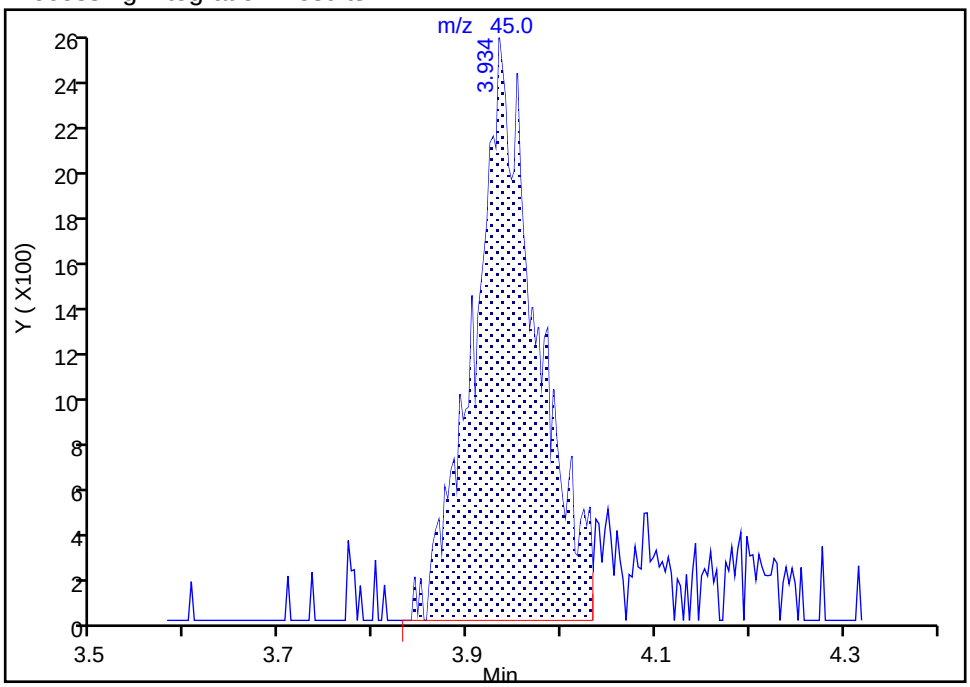
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

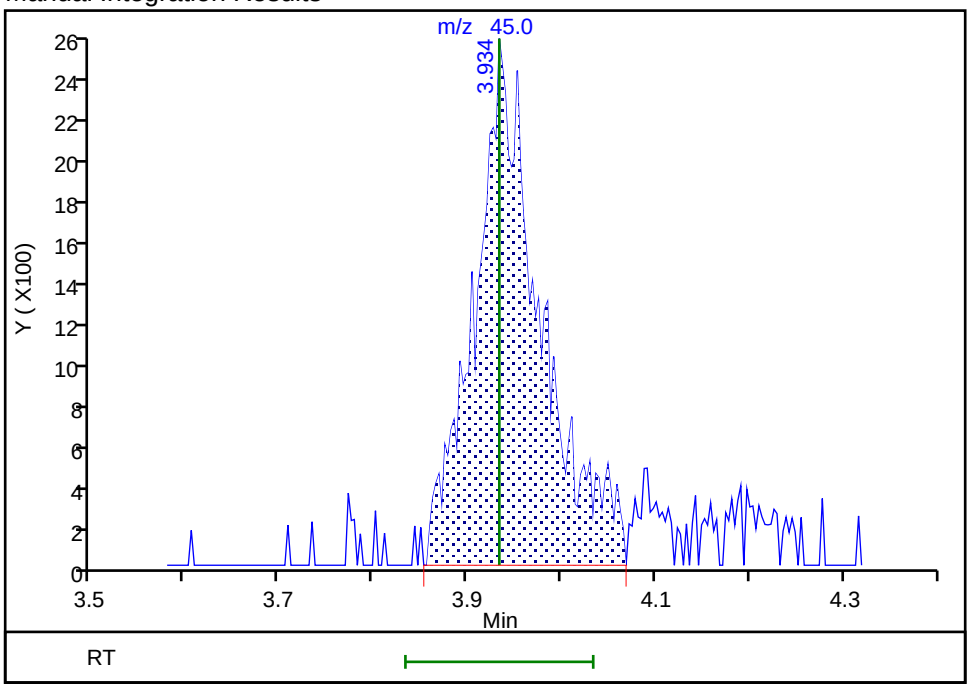
Processing Integration Results

RT: 3.93
Area: 11622
Amount: 22.603405
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 12201
Amount: 22.320985
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:53:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

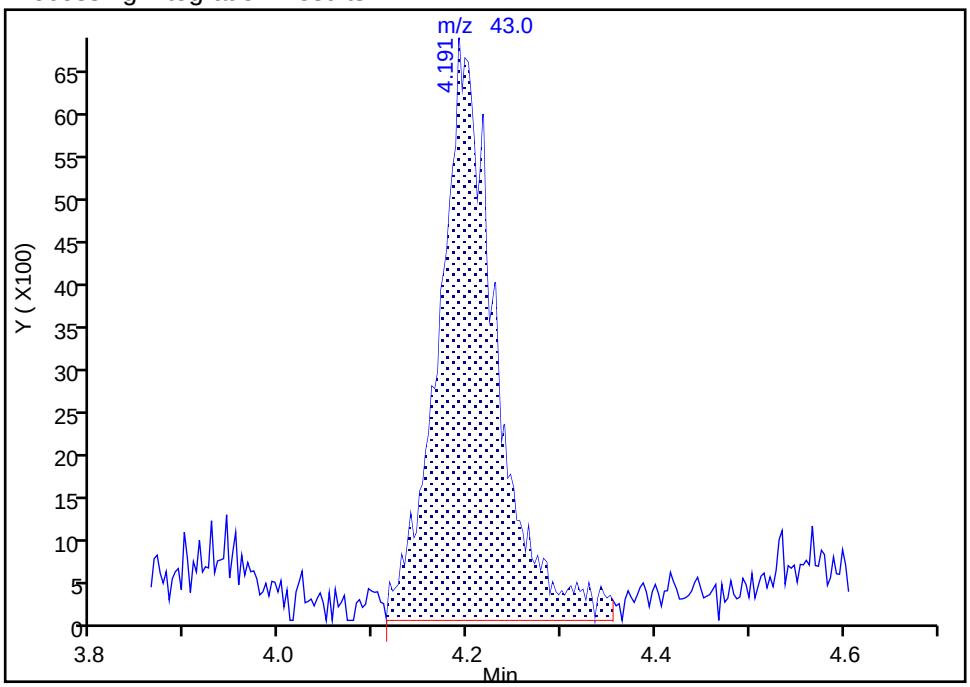
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

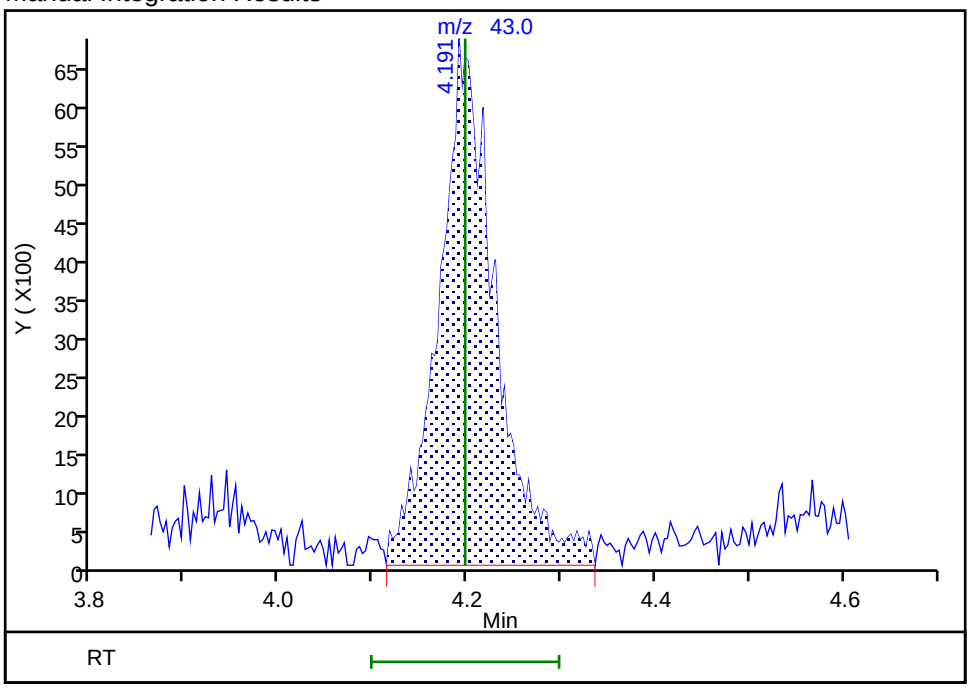
Processing Integration Results

RT: 4.19
Area: 28588
Amount: 5.189372
Amount Units: ug/l



Manual Integration Results

RT: 4.19
Area: 28254
Amount: 5.022137
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:54:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

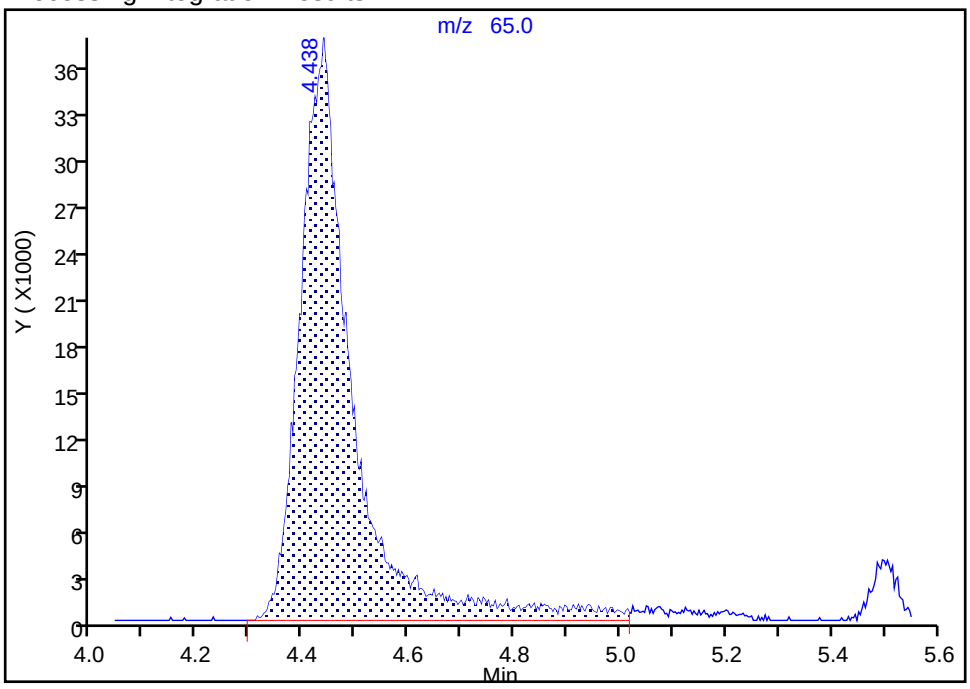
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

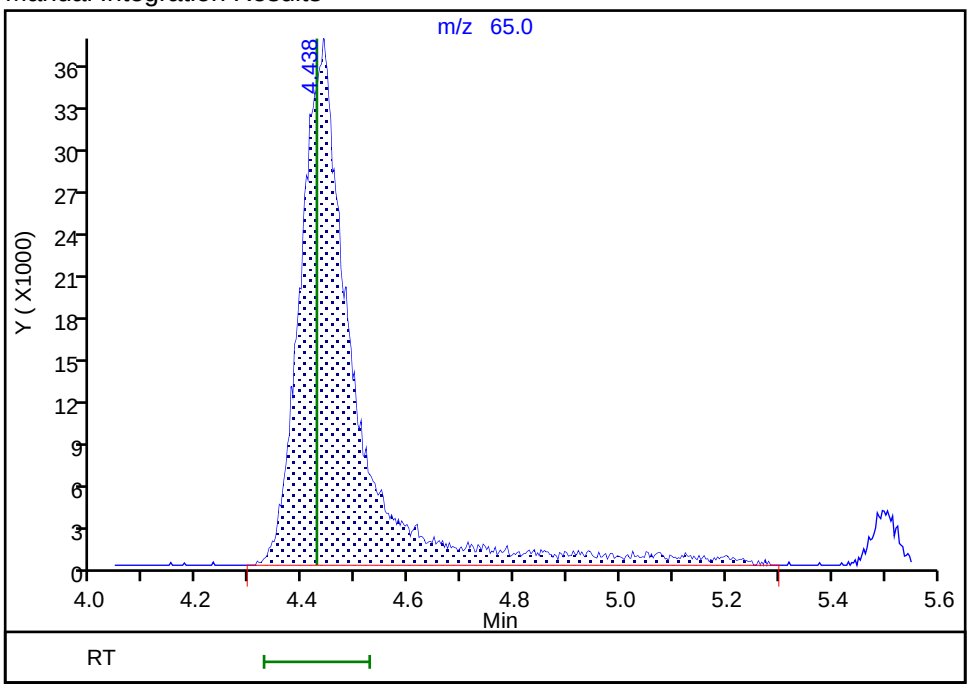
Processing Integration Results

RT: 4.44
Area: 252042
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.44
Area: 259493
Amount: 250.0000
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:54:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

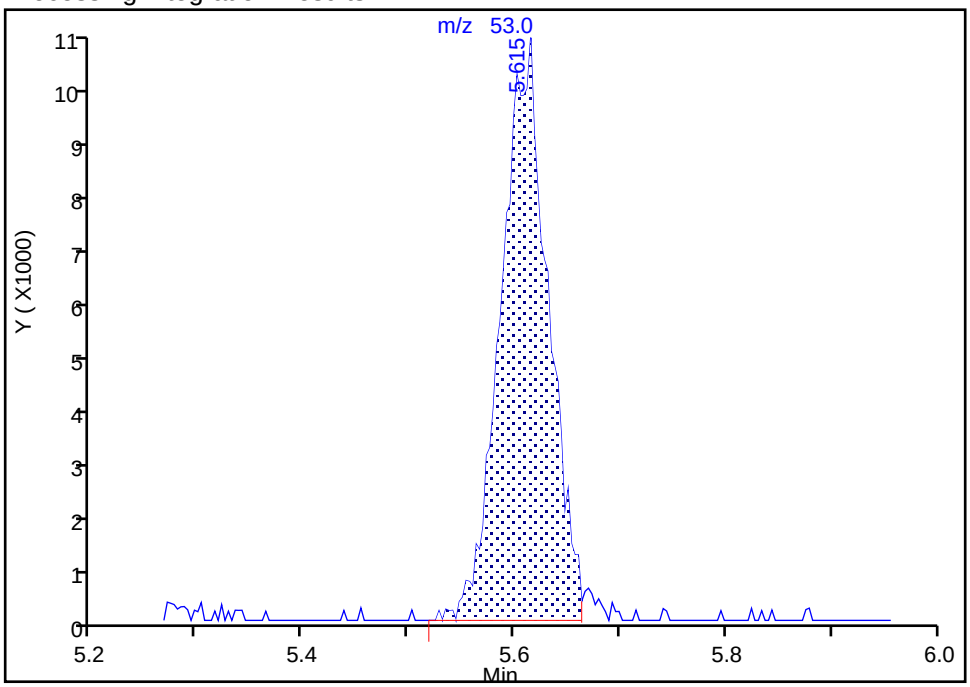
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

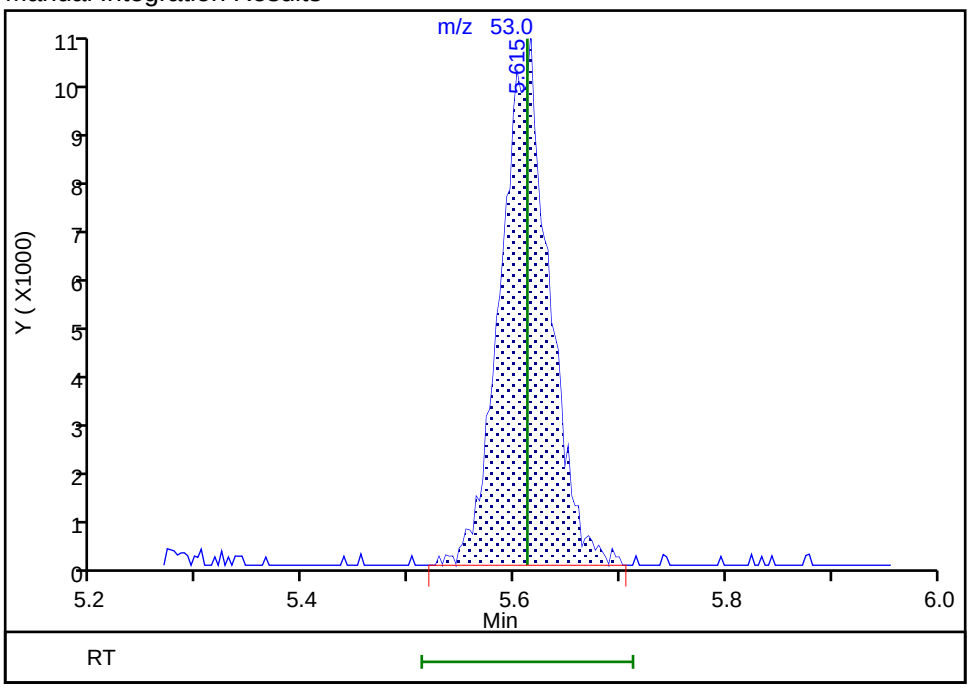
Processing Integration Results

RT: 5.62
Area: 31216
Amount: 4.431495
Amount Units: ug/l



Manual Integration Results

RT: 5.62
Area: 31830
Amount: 4.317149
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:54:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

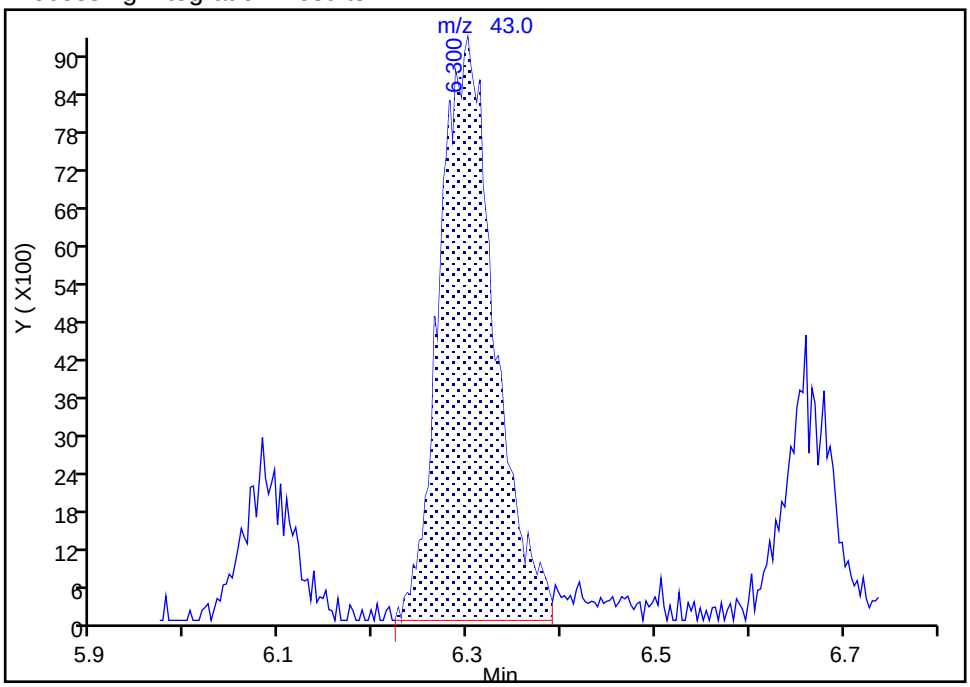
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

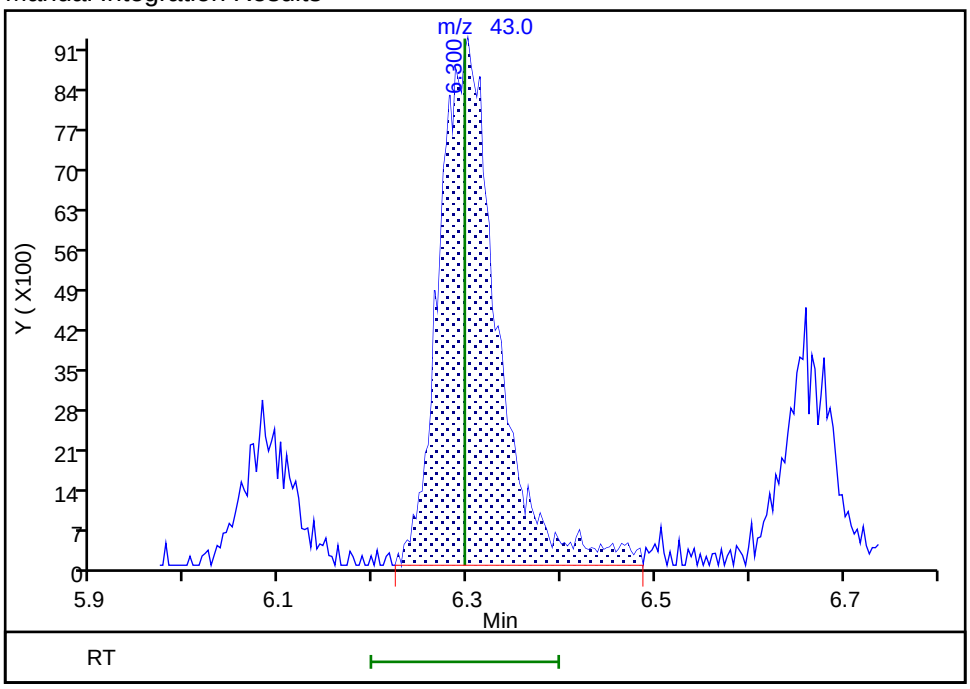
Processing Integration Results

RT: 6.30
Area: 37557
Amount: 9.594274
Amount Units: ug/l



Manual Integration Results

RT: 6.30
Area: 39451
Amount: 9.956753
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:54:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

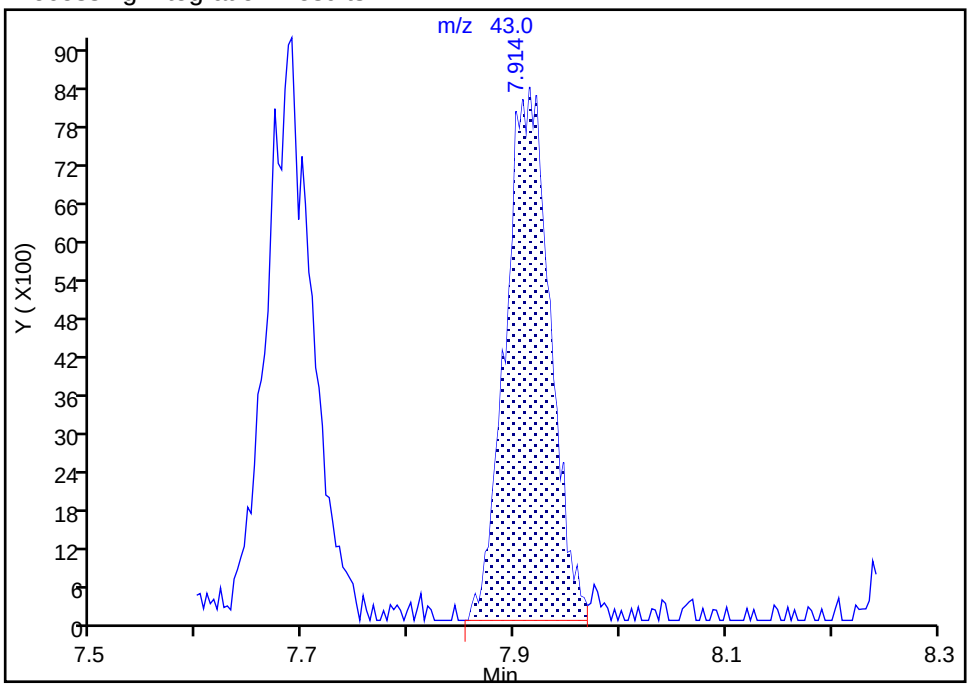
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D				
Injection Date:	17-May-2022 15:15:30	Instrument ID:	9915		
Lims ID:	IC v4				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	19	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

62 n-Heptane, CAS: 142-82-5

Signal: 1

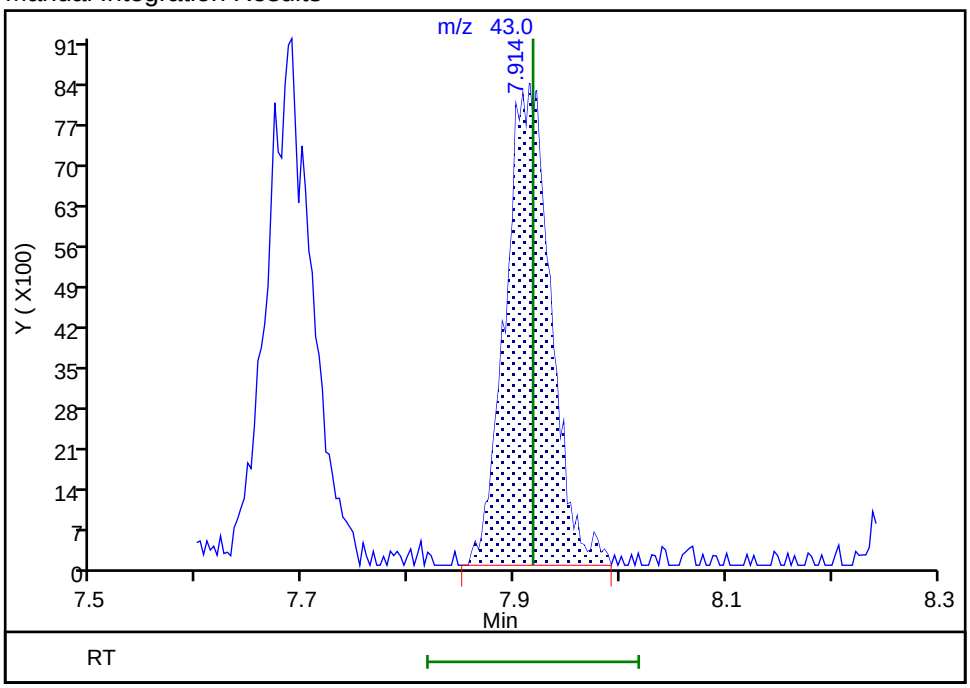
Processing Integration Results

RT: 7.91
Area: 24300
Amount: 4.929681
Amount Units: ug/l



Manual Integration Results

RT: 7.91
Area: 24675
Amount: 4.135802
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:19:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

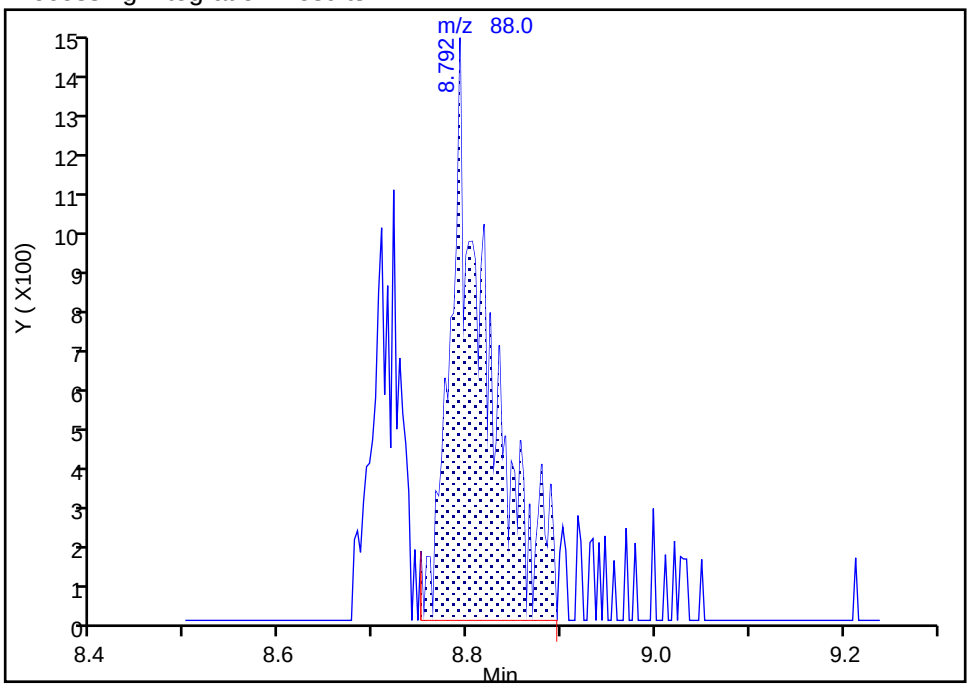
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

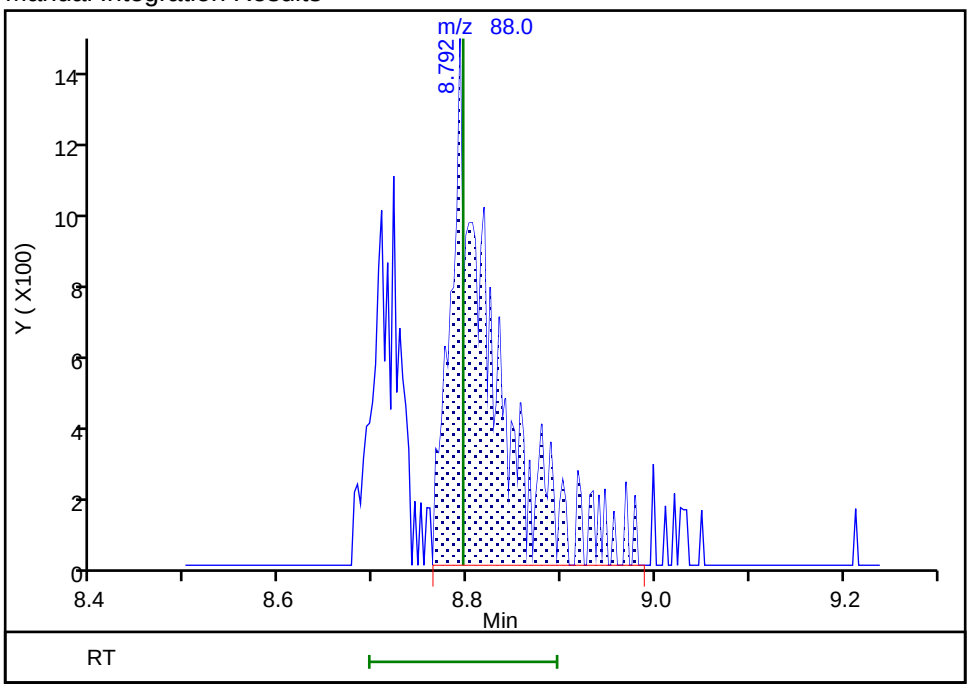
Processing Integration Results

RT: 8.79
Area: 4153
Amount: 54.269541
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 4533
Amount: 54.916494
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:55:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

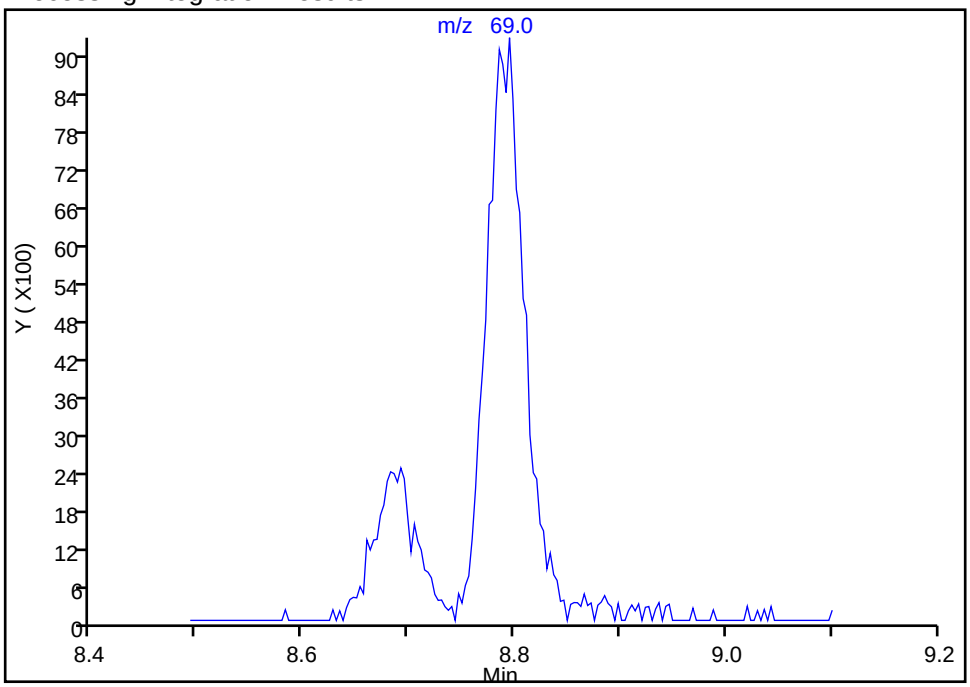
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X20.D
Injection Date: 17-May-2022 15:15:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: CLM27445 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 Methyl methacrylate, CAS: 80-62-6

Signal: 1

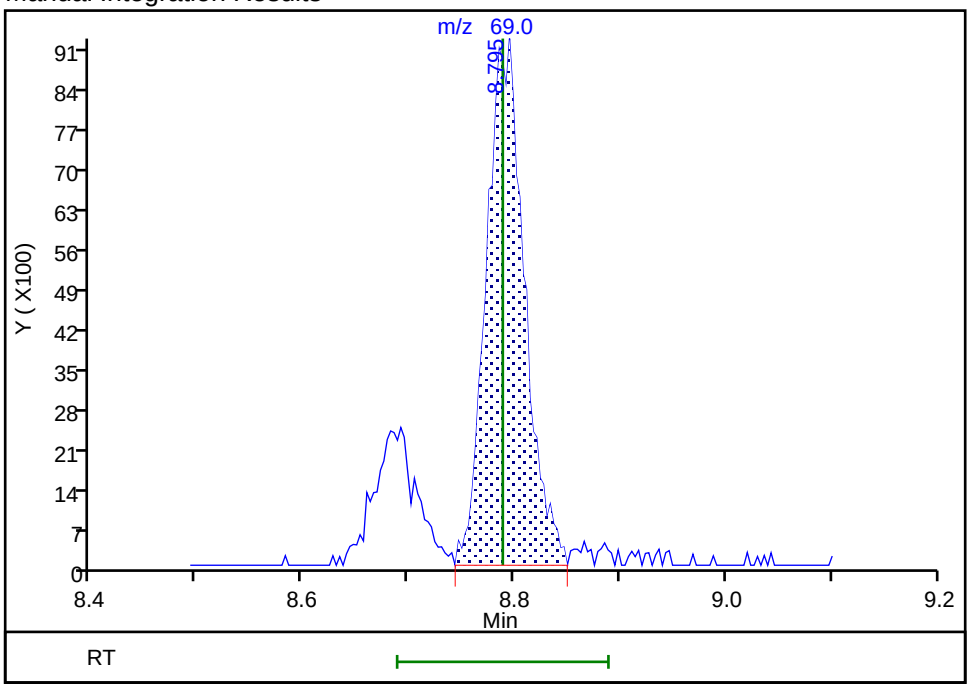
Not Detected
Expected RT: 8.79

Processing Integration Results



Manual Integration Results

RT: 8.80
Area: 23128
Amount: 4.417933
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:55:02
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-May-2022 17:58:30 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-013
Misc. Info.: ICIS
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:36 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 18:35:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.072	2.072	0.000	97	40291	10.0	9.13	M
4 Chloromethane	50	2.271	2.275	-0.004	99	49971	10.0	8.98	
6 Vinyl chloride	62	2.397	2.397	0.000	95	52738	10.0	9.37	
5 Butadiene	39	2.394	2.403	-0.009	91	50074	10.0	9.18	M
8 Bromomethane	94	2.744	2.747	-0.003	92	39412	10.0	8.98	
9 Chloroethane	64	2.821	2.831	-0.010	99	30517	10.0	9.13	
10 Dichlorofluoromethane	67	3.075	3.085	-0.010	97	76893	10.0	9.22	
11 Trichlorofluoromethane	101	3.088	3.088	0.000	94	64394	10.0	9.42	M
12 Pentane	43	3.181	3.188	-0.007	96	71465	10.0	12.0	
14 Ethyl ether	59	3.403	3.406	-0.003	91	44033	10.0	11.6	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.477	3.493	-0.016	94	48449	10.0	9.64	
16 Acrolein	56	3.574	3.586	-0.012	98	164765	100.0	102.9	M
17 1,1-Dichloroethene	96	3.725	3.731	-0.006	97	43962	10.0	10.9	
18 Acetone	58	3.757	3.750	0.007	99	13199	20.0	20.1	
19 112TCTFE	101	3.776	3.773	0.003	90	39929	10.0	10.9	
20 Iodomethane	142	3.927	3.927	0.000	99	74643	10.0	10.6	
21 Isopropyl alcohol	45	3.927	3.934	-0.007	39	30267	50.0	58.5	
22 Carbon disulfide	76	4.030	4.040	-0.010	99	130809	10.0	10.6	
24 Methyl acetate	43	4.184	4.197	-0.013	97	56910	10.0	10.3	
25 3-Chloro-1-propene	41	4.220	4.226	-0.006	89	74988	10.0	10.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.429	4.426	0.003	71	245796	250.0	250.0	
26 Methylene Chloride	84	4.419	4.426	-0.007	94	52170	10.0	10.7	
28 2-Methyl-2-propanol	59	4.561	4.564	-0.003	91	54306	50.0	56.8	
29 Acrylonitrile	53	4.760	4.766	-0.006	99	71124	25.0	25.7	
31 Methyl tert-butyl ether	73	4.831	4.834	-0.003	96	169197	10.0	10.5	
32 trans-1,2-Dichloroethene	96	4.840	4.844	-0.004	98	51865	10.0	10.8	
33 Hexane	57	5.265	5.262	0.003	93	66071	10.0	12.2	
35 1,1-Dichloroethane	63	5.499	5.503	-0.004	96	96278	10.0	11.1	
36 Isopropyl ether	45	5.551	5.557	-0.006	93	166009	10.0	10.7	
37 2-Chloro-1,3-butadiene	53	5.602	5.612	-0.010	94	81432	10.0	11.3	

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	6.081	6.088	-0.007	99	170187	10.0	10.7	
S 39 1,2-Dichloroethene, Total	100				0			21.7	
40 2-Butanone (MEK)	43	6.300	6.297	0.003	99	74358	20.0	19.2	
41 cis-1,2-Dichloroethene	96	6.319	6.323	-0.004	83	57090	10.0	10.9	
42 2,2-Dichloropropane	77	6.335	6.332	0.003	87	83546	10.0	11.1	
44 Propionitrile	54	6.380	6.384	-0.004	99	57698	50.0	52.5	
45 Methacrylonitrile	67	6.602	6.599	0.003	93	81783	25.0	25.9	
46 Chlorobromomethane	128	6.657	6.651	0.006	94	29234	10.0	10.6	
47 Tetrahydrofuran	71	6.654	6.660	-0.006	90	54321	50.0	52.4	
48 Chloroform	83	6.795	6.802	-0.007	93	96113	10.0	10.9	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.020	-0.003	92	271673	50.0	48.9	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	97	84933	10.0	11.3	
51 Cyclohexane	56	7.126	7.127	0.000	91	83369	10.0	12.2	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	93	76823	10.0	11.4	
52 Carbon tetrachloride	117	7.233	7.242	-0.009	84	68563	10.0	11.2	
54 Isobutyl alcohol	41	7.387	7.390	-0.003	94	46808	125.0	146.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.467	0.000	99	64365	50.0	48.7	
56 Benzene	78	7.503	7.506	-0.003	96	217506	10.0	11.2	
57 1,2-Dichloroethane	62	7.567	7.573	-0.006	98	82039	10.0	10.4	
59 Tert-amyl methyl ether	73	7.686	7.686	0.000	98	173380	10.0	10.7	
* 61 Fluorobenzene (IS)	96	7.901	7.905	-0.004	99	1097610	50.0	50.0	
62 n-Heptane	43	7.917	7.917	0.000	93	69896	10.0	12.0	
63 n-Butanol	56	8.261	8.265	-0.004	90	33943	125.0	140.8	
64 Trichloroethene	95	8.377	8.380	-0.003	99	57139	10.0	11.1	
65 Methylcyclohexane	83	8.689	8.683	0.006	90	89317	10.0	12.2	
67 1,2-Dichloropropane	63	8.708	8.712	-0.004	72	58737	10.0	11.0	
66 2-ethoxy-2-methyl butane	87	8.712	8.715	-0.003	91	85432	10.0	10.7	
68 Methyl methacrylate	69	8.792	8.789	0.003	91	55025	10.0	10.7	M
69 1,4-Dioxane	88	8.798	8.795	0.003	51	11483	125.0	146.9	M
70 Dibromomethane	93	8.818	8.821	-0.003	93	40675	10.0	10.8	
72 Dichlorobromomethane	83	9.052	9.052	0.000	99	72073	10.0	10.7	
73 2-Nitropropane	41	9.319	9.323	-0.004	99	126458	50.0	54.0	
74 2-Chloroethyl vinyl ether	63	9.406	9.403	0.003	92	45672	10.0	9.94	
75 cis-1,3-Dichloropropene	75	9.589	9.586	0.003	94	95083	10.0	10.8	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	98	162083	20.0	19.9	
$ 78 Toluene-d8 (Surr)	98	9.885	9.888	-0.003	94	1133439	50.0	50.7	
79 Toluene	92	9.962	9.962	0.000	97	138795	10.0	11.3	
S 83 1,3-Dichloropropene, Total	100				0			21.5	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	96	89852	10.0	10.7	
85 Ethyl methacrylate	69	10.265	10.265	0.000	88	94096	10.0	10.7	
86 1,1,2-Trichloroethane	97	10.409	10.413	-0.004	91	56036	10.0	11.1	
87 Tetrachloroethene	166	10.503	10.499	0.003	94	55598	10.0	11.6	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	91	96051	10.0	11.0	
90 2-Hexanone	43	10.621	10.618	0.003	98	119730	20.0	20.1	
92 Chlorodibromomethane	129	10.779	10.782	-0.003	89	59922	10.0	10.9	
93 Ethylene Dibromide	107	10.892	10.895	-0.003	98	59266	10.0	10.6	
S 94 Xylenes, Total	106				0			33.9	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	836029	50.0	50.0	
96 1-Chlorohexane	91	11.322	11.326	-0.004	94	78983	10.0	11.4	
97 Chlorobenzene	112	11.345	11.345	0.000	95	162735	10.0	11.3	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	95	55154	10.0	11.1	
99 Ethylbenzene	91	11.432	11.432	0.000	98	281247	10.0	11.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	100	214008	20.0	22.6	
101 o-Xylene	106	11.869	11.872	-0.003	97	108096	10.0	11.3	
102 Styrene	104	11.885	11.885	0.000	94	180792	10.0	11.1	
103 Bromoform	173	12.039	12.043	-0.004	93	41084	10.0	10.5	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	279380	10.0	11.7	
106 Cyclohexanone	55	12.245	12.245	0.000	94	78131	250.0	200.3	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	85	425094	50.0	50.5	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	97805	10.0	11.2	
109 Bromobenzene	156	12.428	12.429	-0.001	98	66552	10.0	10.9	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	92	78877	25.0	27.5	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	85	29810	10.0	11.3	
112 N-Propylbenzene	91	12.493	12.496	-0.003	99	336629	10.0	11.8	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	67230	10.0	11.6	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	95	239801	10.0	11.7	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	69119	10.0	11.4	
117 tert-Butylbenzene	134	12.872	12.869	0.003	93	47555	10.0	12.1	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	243938	10.0	11.4	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	290290	10.0	11.8	
121 1,3-Dichlorobenzene	146	13.136	13.133	0.003	97	130953	10.0	11.2	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	250273	10.0	11.4	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	448800	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	95	136101	10.0	11.0	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	250113	10.0	11.1	
126 Benzyl chloride	91	13.281	13.281	0.000	99	193605	10.0	10.9	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	96	153576	10.0	11.6	
128 p-Diethylbenzene	119	13.409	13.409	0.000	93	157886	10.0	11.3	
129 n-Butylbenzene	92	13.428	13.428	0.000	98	129448	10.0	11.3	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	96	129778	10.0	11.0	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	126243	10.0	11.3	
133 1,2-Dibromo-3-Chloropropane	75	14.007	14.007	0.000	79	24181	10.0	10.9	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.004	96	89389	10.0	10.8	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	84991	10.0	10.4	
136 Hexachlorobutadiene	225	14.634	14.637	-0.003	94	33887	10.0	10.7	
137 Naphthalene	128	14.737	14.737	0.000	97	315961	10.0	10.5	
138 1,2,3-Trichlorobenzene	180	14.882	14.879	0.003	95	80912	10.0	10.1	
139 2-Methylnaphthalene	142	15.518	15.518	0.000	93	164870	10.0	10.3	
S 145 Total Diethylbenzene	1				0			34.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	1.00	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

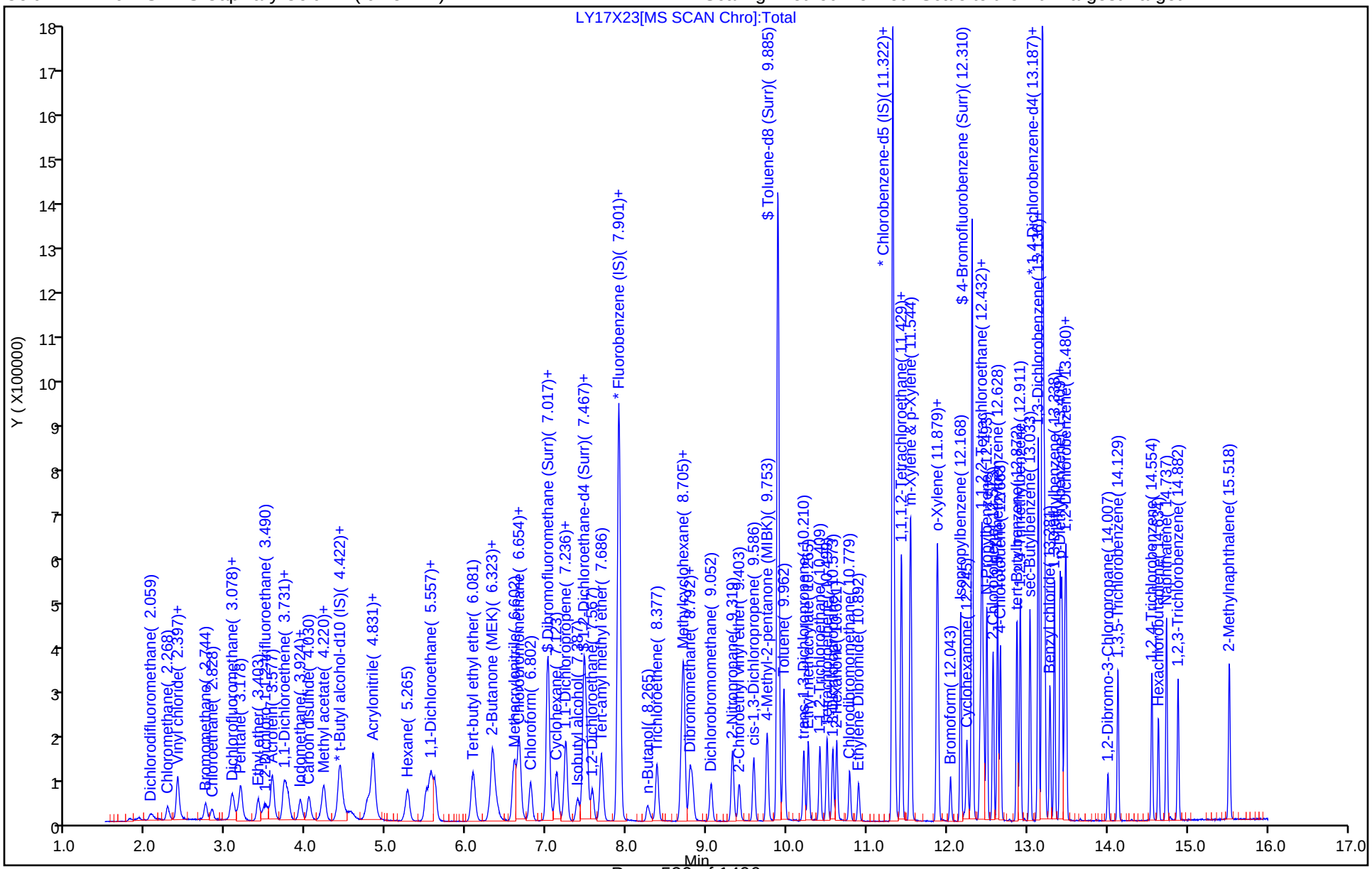
Report Date: 17-May-2022 19:17:37 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D

Injection Date:	17-May-2022 17:58:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v10			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

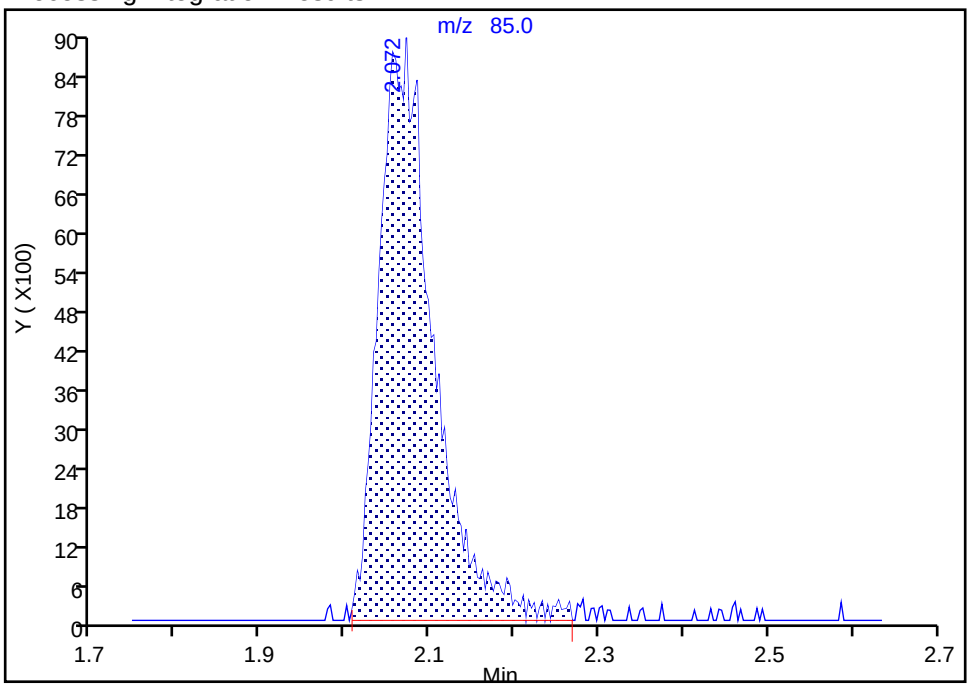
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

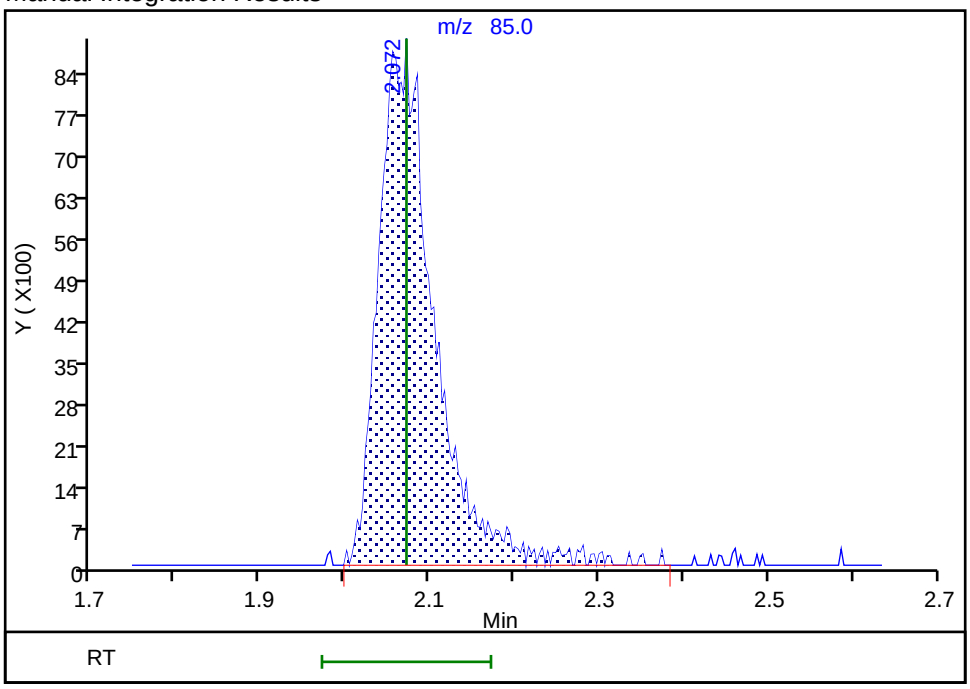
Processing Integration Results

RT: 2.07
Area: 39727
Amount: 8.903938
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 40291
Amount: 9.127952
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:32:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

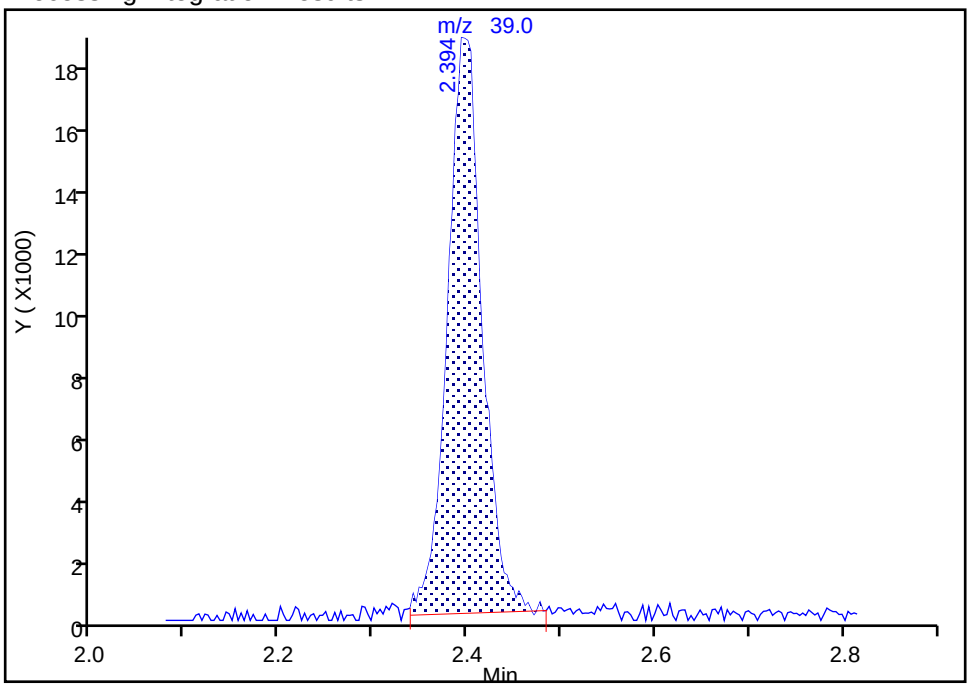
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

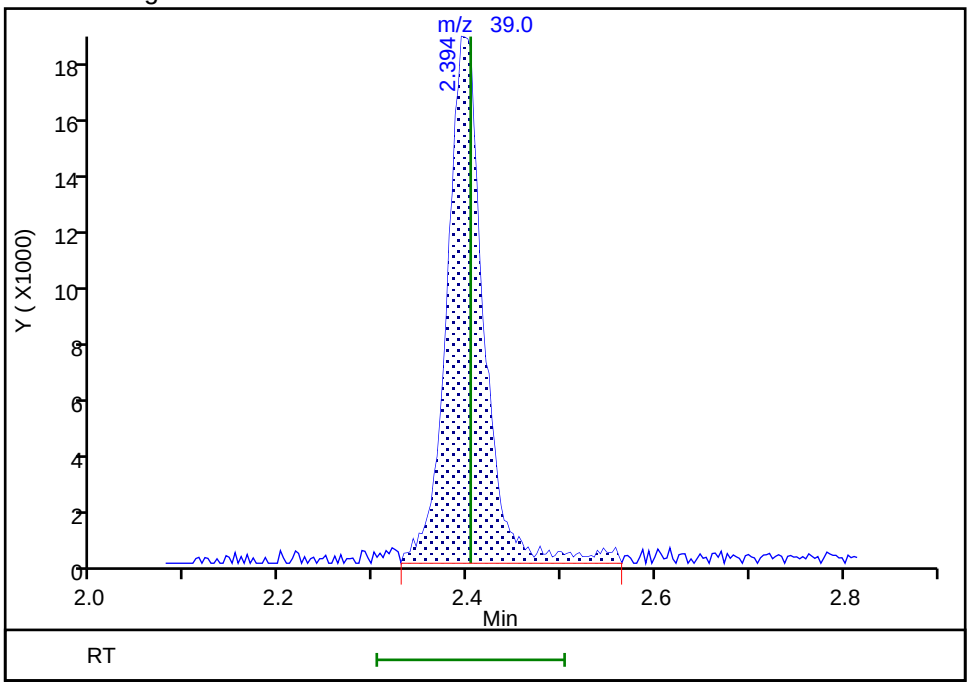
Processing Integration Results

RT: 2.39
Area: 46340
Amount: 8.657181
Amount Units: ug/l



Manual Integration Results

RT: 2.39
Area: 50074
Amount: 9.175262
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:32:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

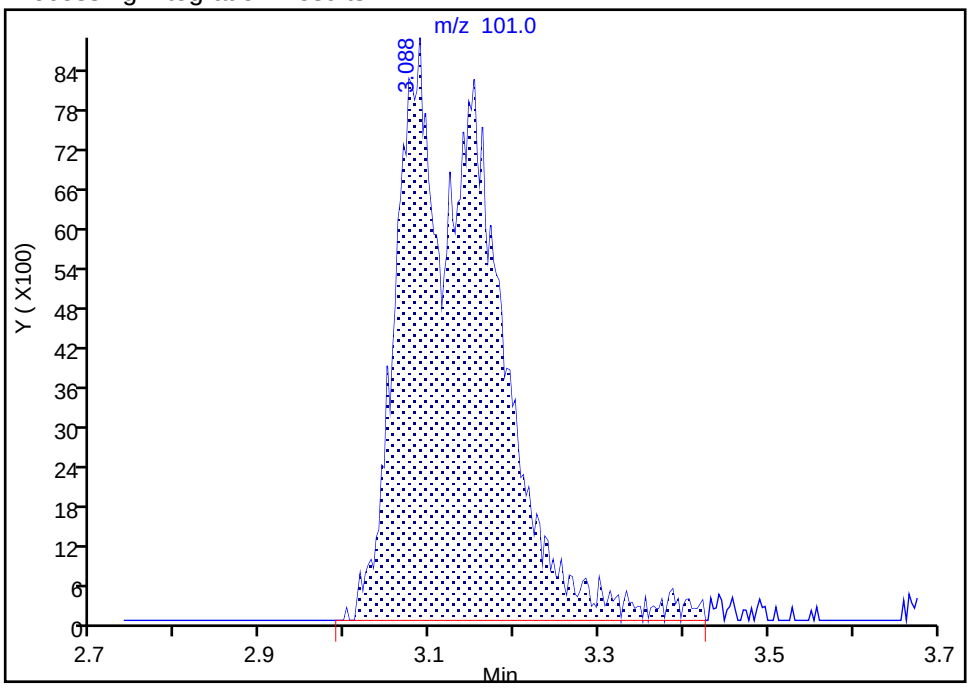
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

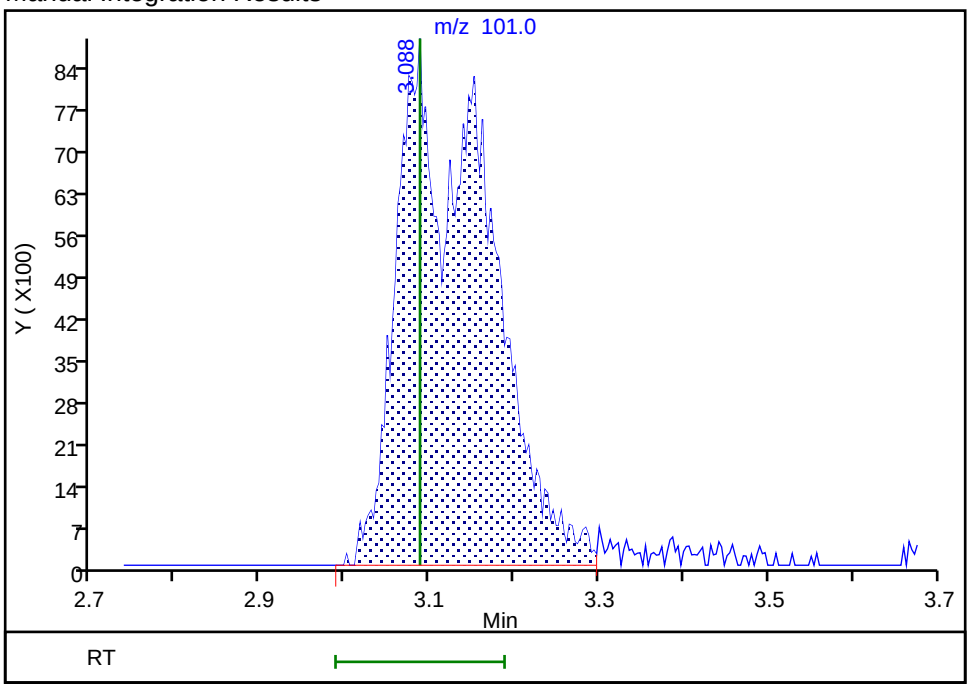
Processing Integration Results

RT: 3.09
Area: 66284
Amount: 9.770794
Amount Units: ug/l



Manual Integration Results

RT: 3.09
Area: 64394
Amount: 9.416439
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:32:57
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

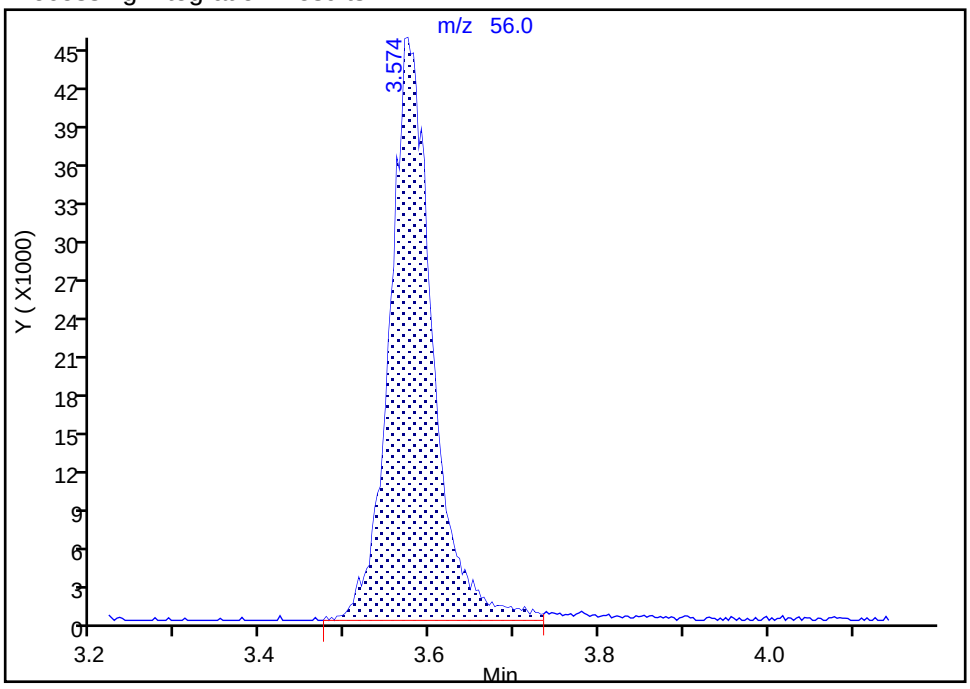
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

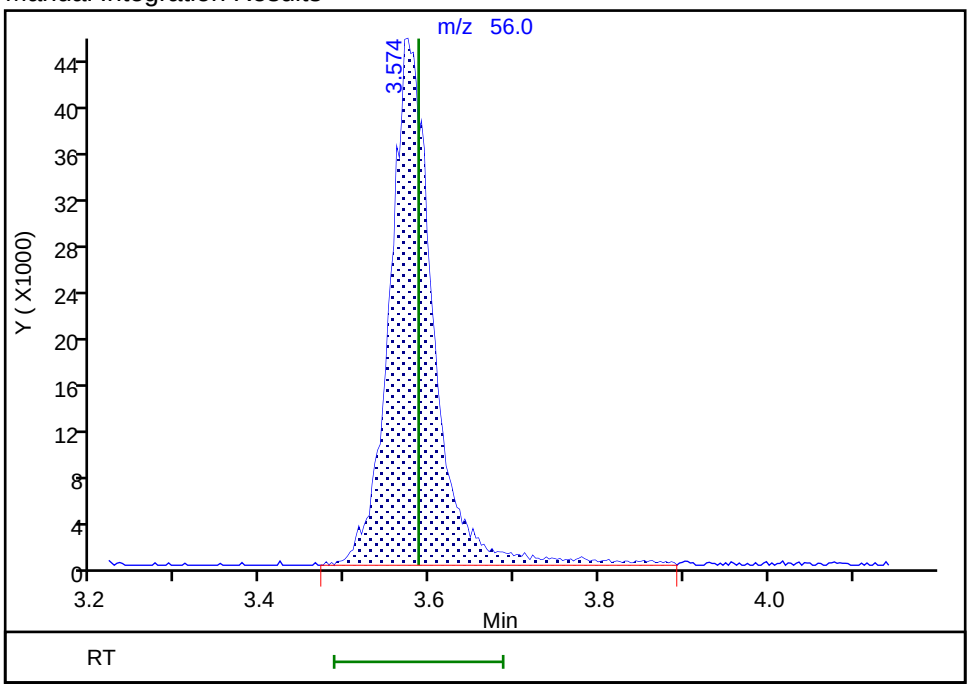
Processing Integration Results

RT: 3.57
Area: 161283
Amount: 101.2836
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Area: 164765
Amount: 102.8661
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:33:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

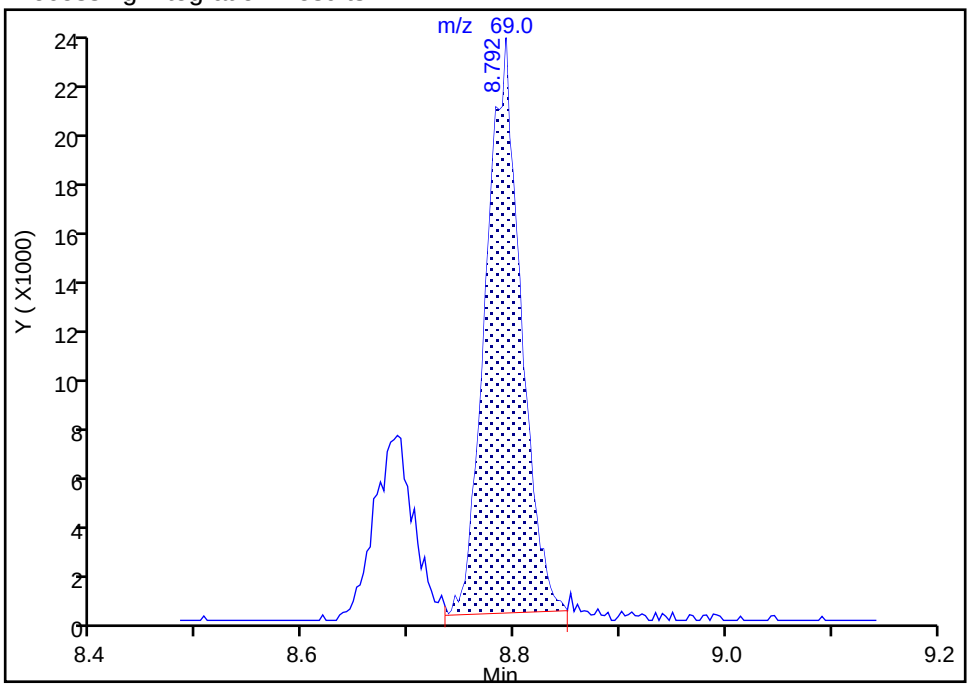
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 Methyl methacrylate, CAS: 80-62-6

Signal: 1

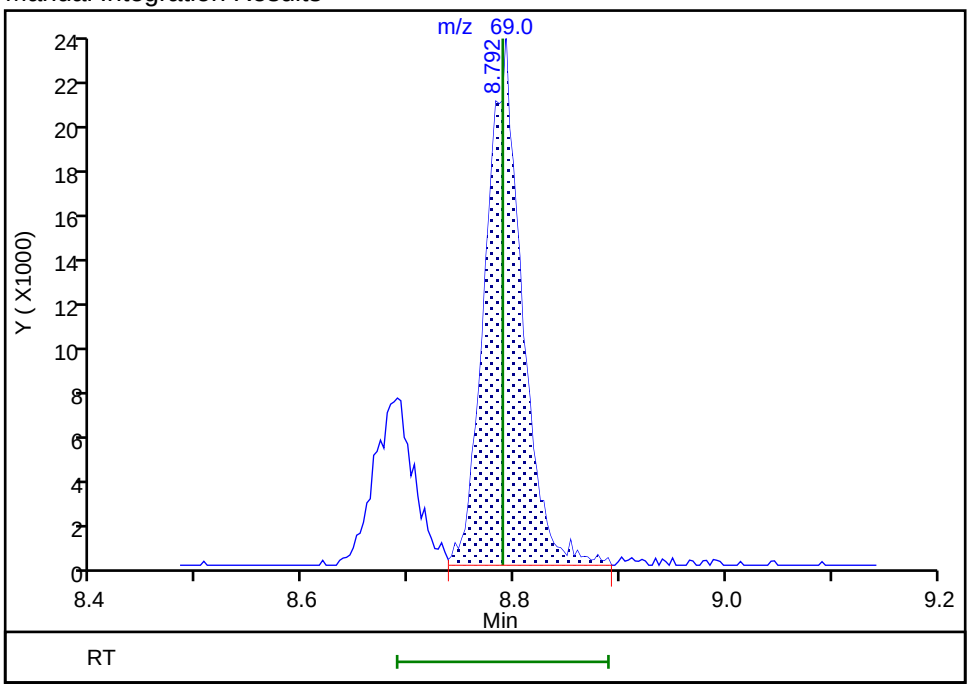
Processing Integration Results

RT: 8.79
Area: 52140
Amount: 10.422173
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 55025
Amount: 10.747069
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:33:44
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

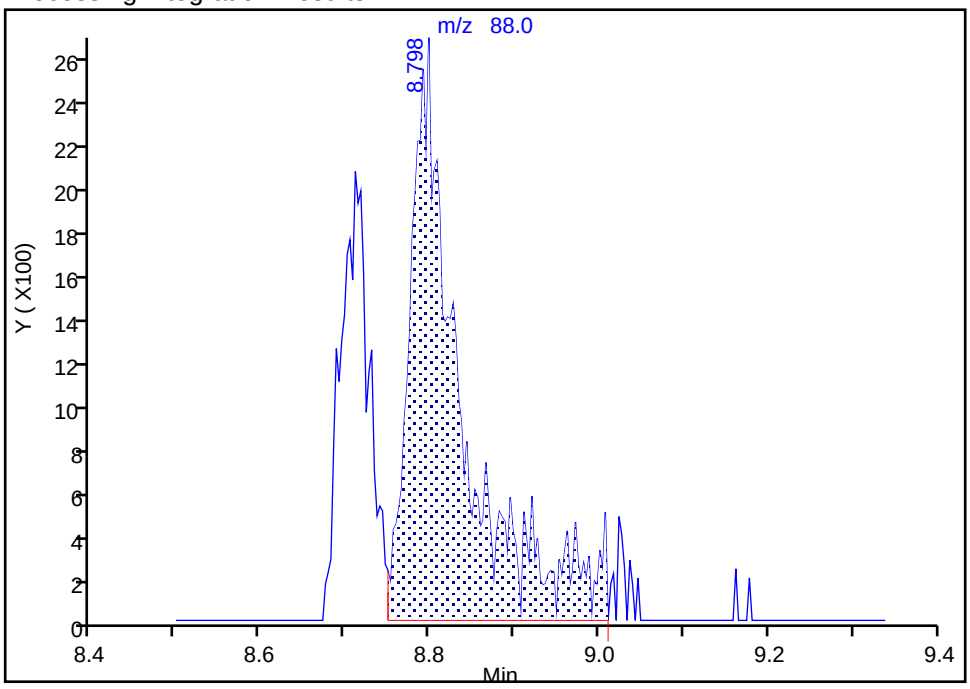
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X23.D
Injection Date: 17-May-2022 17:58:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: CLM27445 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

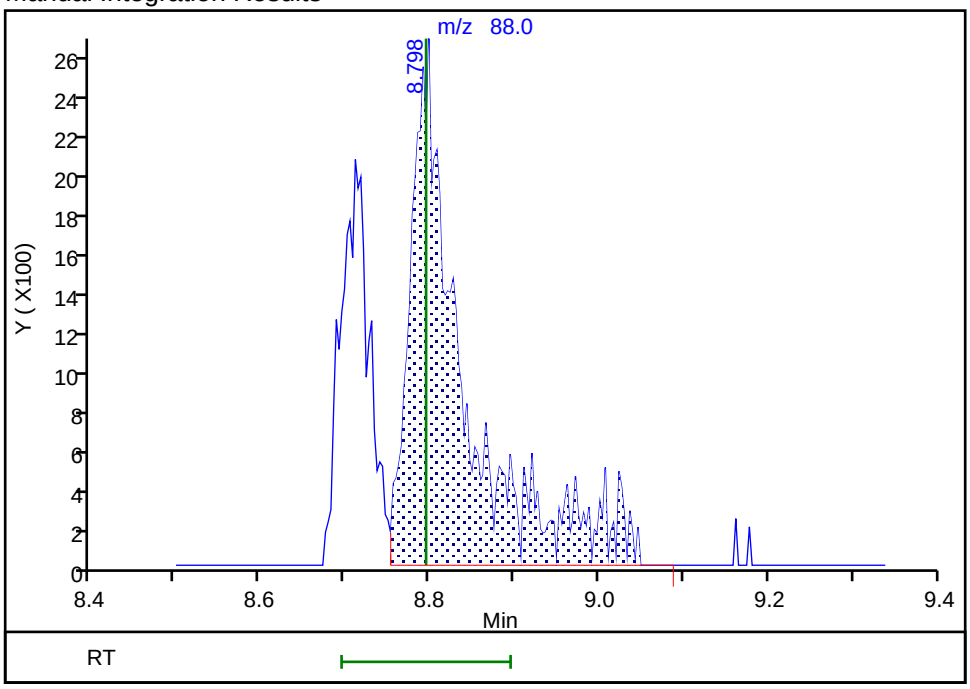
Processing Integration Results

RT: 8.80
Area: 11113
Amount: 145.8040
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 11483
Amount: 146.8667
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:33:55
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-May-2022 18:20:30 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-014
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:41 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 18:50:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.072	2.072	0.000	98	89339	20.0	19.5	M
4 Chloromethane	50	2.278	2.275	0.003	100	109681	20.0	19.0	
6 Vinyl chloride	62	2.390	2.397	-0.007	98	114073	20.0	19.5	M
5 Butadiene	39	2.400	2.403	-0.003	94	107196	20.0	18.9	M
8 Bromomethane	94	2.750	2.747	0.003	91	85291	20.0	18.7	M
9 Chloroethane	64	2.824	2.831	-0.007	99	65550	20.0	18.9	
10 Dichlorofluoromethane	67	3.075	3.085	-0.010	97	166456	20.0	19.2	
11 Trichlorofluoromethane	101	3.085	3.088	-0.003	97	142729	20.0	20.1	M
12 Pentane	43	3.181	3.188	-0.007	98	122543	20.0	19.8	
14 Ethyl ether	59	3.406	3.406	0.000	90	86398	20.0	21.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.484	3.493	-0.009	94	100688	20.0	19.3	
16 Acrolein	56	3.580	3.586	-0.006	99	309641	200.0	182.1	
17 1,1-Dichloroethene	96	3.725	3.731	-0.006	97	83116	20.0	19.9	
18 Acetone	58	3.766	3.750	0.016	100	25113	40.0	36.0	
19 112TCTFE	101	3.770	3.773	-0.003	92	73092	20.0	19.2	
20 Iodomethane	142	3.927	3.927	0.000	99	145131	20.0	19.9	
21 Isopropyl alcohol	45	3.930	3.934	-0.004	37	52281	100.0	95.1	
22 Carbon disulfide	76	4.033	4.040	-0.007	99	254761	20.0	19.9	
24 Methyl acetate	43	4.194	4.197	-0.003	97	105907	20.0	18.5	
25 3-Chloro-1-propene	41	4.226	4.226	0.000	89	150804	20.0	20.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.432	4.426	0.006	70	260877	250.0	250.0	
26 Methylene Chloride	84	4.419	4.426	-0.007	95	102767	20.0	20.4	
28 2-Methyl-2-propanol	59	4.567	4.564	0.003	97	99793	100.0	98.3	
29 Acrylonitrile	53	4.757	4.766	-0.009	100	143268	50.0	49.8	
31 Methyl tert-butyl ether	73	4.828	4.834	-0.006	95	336521	20.0	20.0	
32 trans-1,2-Dichloroethene	96	4.844	4.844	0.000	97	102345	20.0	20.6	
33 Hexane	57	5.265	5.262	0.003	93	119094	20.0	21.2	
35 1,1-Dichloroethane	63	5.500	5.503	-0.003	96	190125	20.0	21.1	M
36 Isopropyl ether	45	5.561	5.557	0.004	97	329854	20.0	20.5	
37 2-Chloro-1,3-butadiene	53	5.602	5.612	-0.010	93	158343	20.0	21.1	

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	6.085	6.088	-0.003	97	340784	20.0	20.5	
S 39 1,2-Dichloroethene, Total	100				0			41.0	
40 2-Butanone (MEK)	43	6.297	6.297	0.000	100	140382	40.0	34.9	
41 cis-1,2-Dichloroethene	96	6.326	6.323	0.003	82	111665	20.0	20.5	
42 2,2-Dichloropropane	77	6.336	6.332	0.004	71	162508	20.0	20.7	
44 Propionitrile	54	6.387	6.384	0.003	99	111915	100.0	95.9	
45 Methacrylonitrile	67	6.596	6.599	-0.003	93	159643	50.0	48.7	
46 Chlorobromomethane	128	6.651	6.651	0.000	96	56344	20.0	19.7	
47 Tetrahydrofuran	71	6.663	6.660	0.003	93	103865	100.0	94.4	
48 Chloroform	83	6.805	6.802	0.003	94	187721	20.0	20.6	
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.020	-0.006	92	288539	50.0	50.0	
50 1,1,1-Trichloroethane	97	7.030	7.027	0.003	98	164330	20.0	21.0	
51 Cyclohexane	56	7.126	7.127	0.000	91	148976	20.0	21.0	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	94	148722	20.0	21.3	
52 Carbon tetrachloride	117	7.239	7.242	-0.003	85	134833	20.0	21.2	
54 Isobutyl alcohol	41	7.384	7.390	-0.006	95	76538	250.0	225.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.467	0.000	97	68564	50.0	49.9	
56 Benzene	78	7.506	7.506	0.000	97	421868	20.0	20.9	
57 1,2-Dichloroethane	62	7.573	7.573	0.000	98	164009	20.0	20.1	
59 Tert-amyl methyl ether	73	7.683	7.686	-0.003	98	345306	20.0	20.6	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	99	1139999	50.0	50.0	
62 n-Heptane	43	7.917	7.917	0.000	81	131859	20.0	21.8	
63 n-Butanol	56	8.265	8.265	0.000	92	65999	250.0	258.0	
64 Trichloroethene	95	8.380	8.380	0.000	97	110805	20.0	20.7	
65 Methylcyclohexane	83	8.683	8.683	0.000	95	162894	20.0	21.4	
67 1,2-Dichloropropane	63	8.708	8.712	-0.004	78	114951	20.0	20.6	
66 2-ethoxy-2-methyl butane	87	8.715	8.715	0.000	91	173983	20.0	20.9	
68 Methyl methacrylate	69	8.789	8.789	0.000	91	106741	20.0	20.1	
69 1,4-Dioxane	88	8.795	8.795	0.000	75	22043	250.0	265.6	
70 Dibromomethane	93	8.818	8.821	-0.003	92	79669	20.0	20.3	
72 Dichlorobromomethane	83	9.052	9.052	0.000	99	145121	20.0	20.7	
73 2-Nitropropane	41	9.319	9.323	-0.004	99	249610	100.0	100.5	
74 2-Chloroethyl vinyl ether	63	9.406	9.403	0.003	91	94758	20.0	19.9	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	94	190307	20.0	20.8	
77 4-Methyl-2-pentanone (MIBK)	43	9.750	9.753	-0.003	98	316636	40.0	37.3	
$ 78 Toluene-d8 (Surr)	98	9.885	9.888	-0.003	94	1185836	50.0	50.6	
79 Toluene	92	9.962	9.962	0.000	98	274296	20.0	21.4	
S 83 1,3-Dichloropropene, Total	100				0			41.8	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	95	184247	20.0	21.0	
85 Ethyl methacrylate	69	10.268	10.265	0.003	89	189434	20.0	20.6	
86 1,1,2-Trichloroethane	97	10.409	10.413	-0.004	91	110313	20.0	20.8	
87 Tetrachloroethene	166	10.503	10.499	0.004	94	107704	20.0	21.4	
88 1,3-Dichloropropane	76	10.570	10.573	-0.003	92	188367	20.0	20.7	
90 2-Hexanone	43	10.622	10.618	0.004	98	235145	40.0	37.8	
92 Chlorodibromomethane	129	10.786	10.782	0.004	90	117513	20.0	20.4	
93 Ethylene Dibromide	107	10.895	10.895	0.000	99	120236	20.0	20.6	
S 94 Xylenes, Total	106				0			63.9	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	874815	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	154618	20.0	21.3	
97 Chlorobenzene	112	11.345	11.345	0.000	94	314853	20.0	20.9	
98 1,1,1,2-Tetrachloroethane	131	11.422	11.425	-0.003	94	110549	20.0	21.3	
99 Ethylbenzene	91	11.429	11.432	-0.003	98	549332	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	100	424792	40.0	42.8	
101 o-Xylene	106	11.872	11.872	0.000	97	211021	20.0	21.1	
102 Styrene	104	11.882	11.885	-0.003	95	361176	20.0	21.2	
103 Bromoform	173	12.043	12.043	0.000	94	83349	20.0	20.3	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	543357	20.0	21.8	
106 Cyclohexanone	55	12.245	12.245	0.000	93	221288	500.0	534.5	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	85	448889	50.0	51.0	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	93	186385	20.0	20.4	
109 Bromobenzene	156	12.429	12.429	0.000	97	129834	20.0	20.4	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	93	153936	50.0	51.3	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	85	54584	20.0	19.8	
112 N-Propylbenzene	91	12.493	12.496	-0.003	99	654627	20.0	22.0	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	130509	20.0	21.6	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	471590	20.0	21.9	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	134649	20.0	21.2	
117 tert-Butylbenzene	134	12.869	12.869	0.000	94	90274	20.0	21.9	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	484450	20.0	21.6	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	567085	20.0	22.0	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	255878	20.0	20.8	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	498054	20.0	21.6	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	469182	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	93	263232	20.0	20.4	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	99	498854	20.0	21.3	
126 Benzyl chloride	91	13.281	13.281	0.000	99	388279	20.0	20.8	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	298902	20.0	21.6	
128 p-Diethylbenzene	119	13.409	13.409	0.000	94	311707	20.0	21.3	
129 n-Butylbenzene	92	13.428	13.428	0.000	98	258434	20.0	21.6	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	254788	20.0	20.6	
131 o-diethylbenzene	119	13.483	13.483	0.000	97	249435	20.0	21.4	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.007	-0.003	82	46221	20.0	19.9	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.004	96	174360	20.0	20.1	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	168283	20.0	19.7	
136 Hexachlorobutadiene	225	14.634	14.637	-0.003	96	65902	20.0	20.0	
137 Naphthalene	128	14.737	14.737	0.000	97	627781	20.0	20.0	
138 1,2,3-Trichlorobenzene	180	14.879	14.879	0.000	95	162481	20.0	19.5	
139 2-Methylnaphthalene	142	15.518	15.518	0.000	92	339384	20.0	20.2	
S 145 Total Diethylbenzene	1				0			64.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	2.00	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

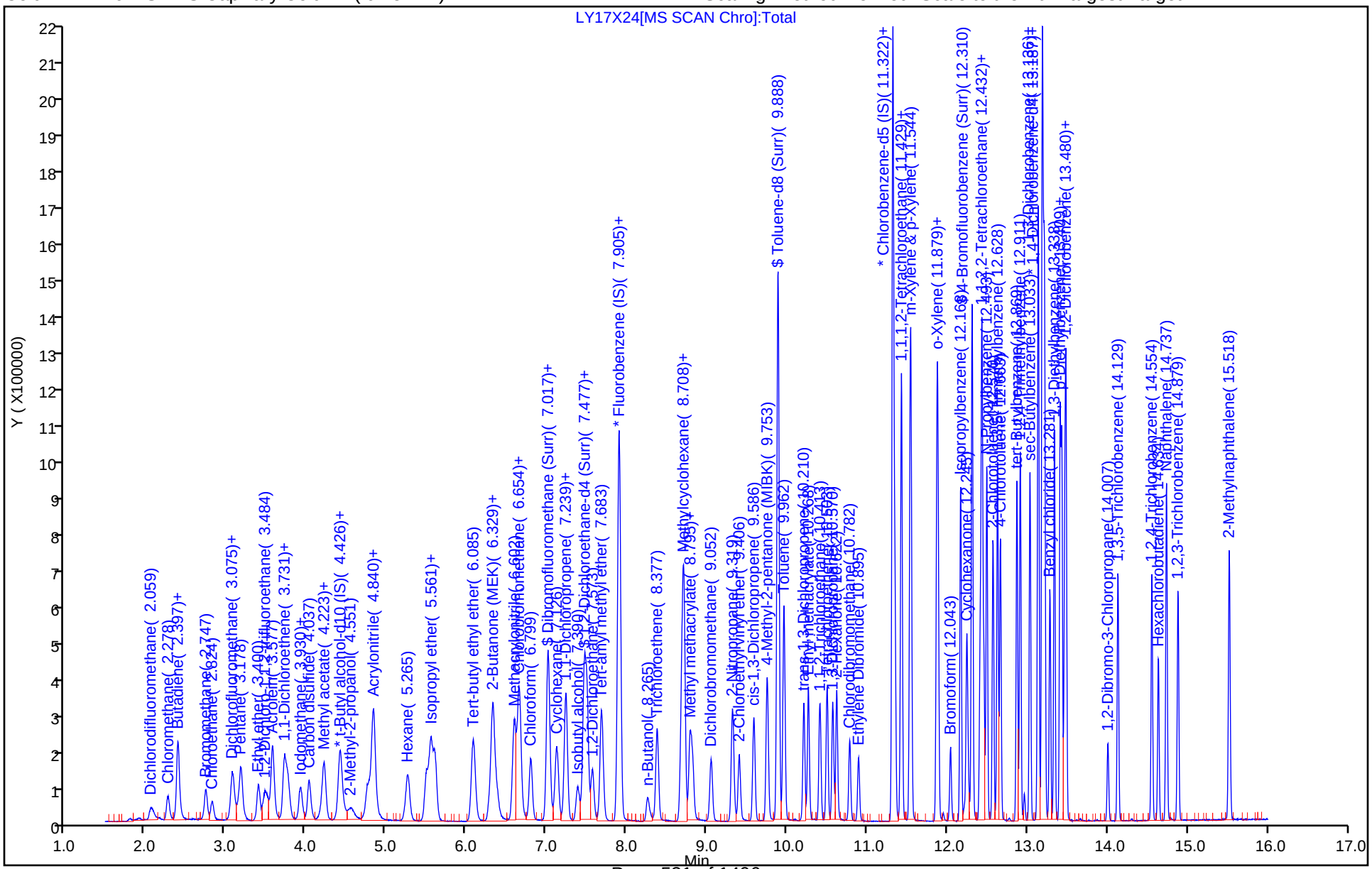
Report Date: 17-May-2022 19:17:42 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Injection Date:	17-May-2022 18:20:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v20			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

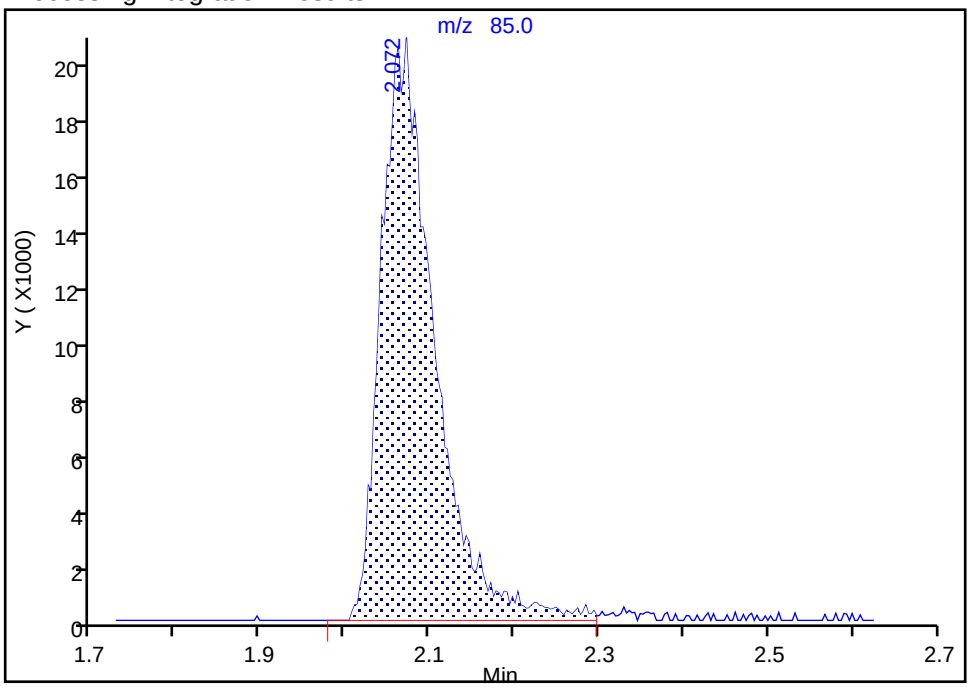
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D
Injection Date: 17-May-2022 18:20:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: CLM27445 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

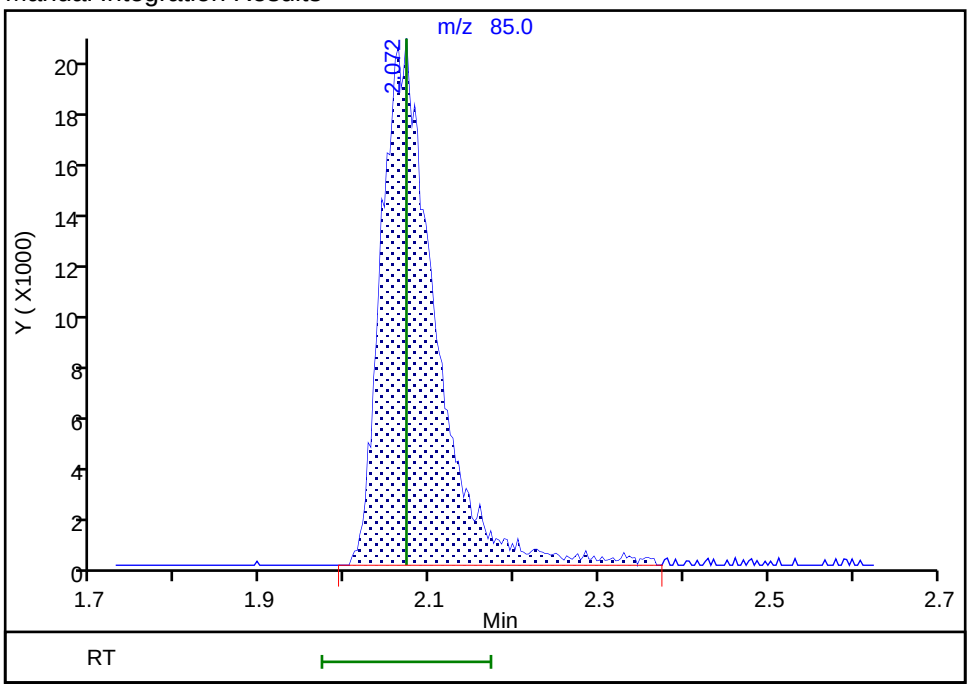
Processing Integration Results

RT: 2.07
Area: 88364
Amount: 19.303874
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 89339
Amount: 19.487223
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:45:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

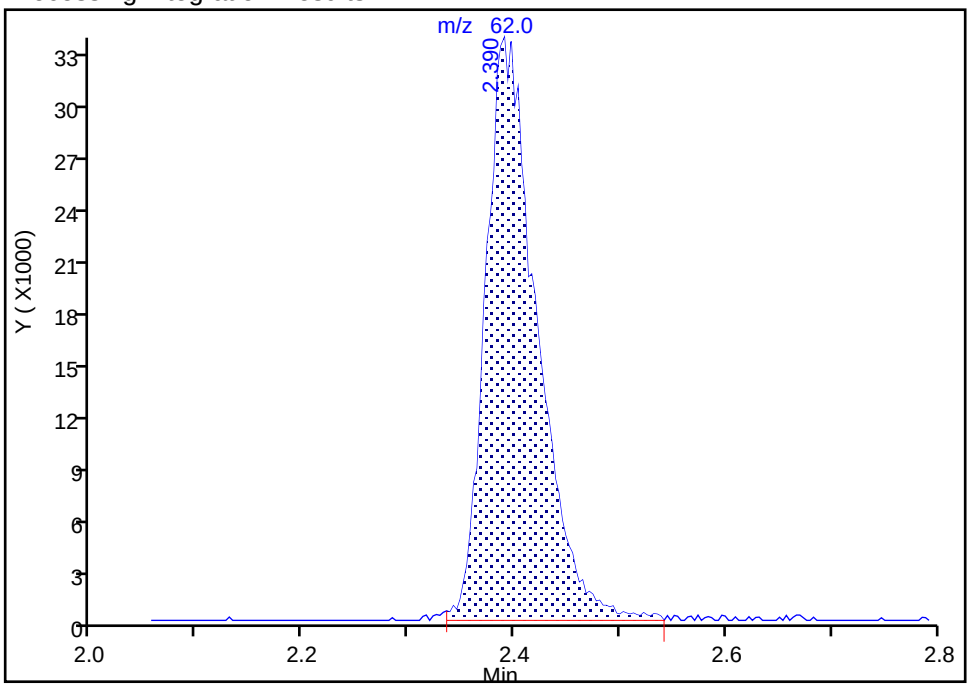
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Injection Date:	17-May-2022 18:20:30	Instrument ID:	9915		
Lims ID:	IC v20				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	23	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Vinyl chloride, CAS: 75-01-4

Signal: 1

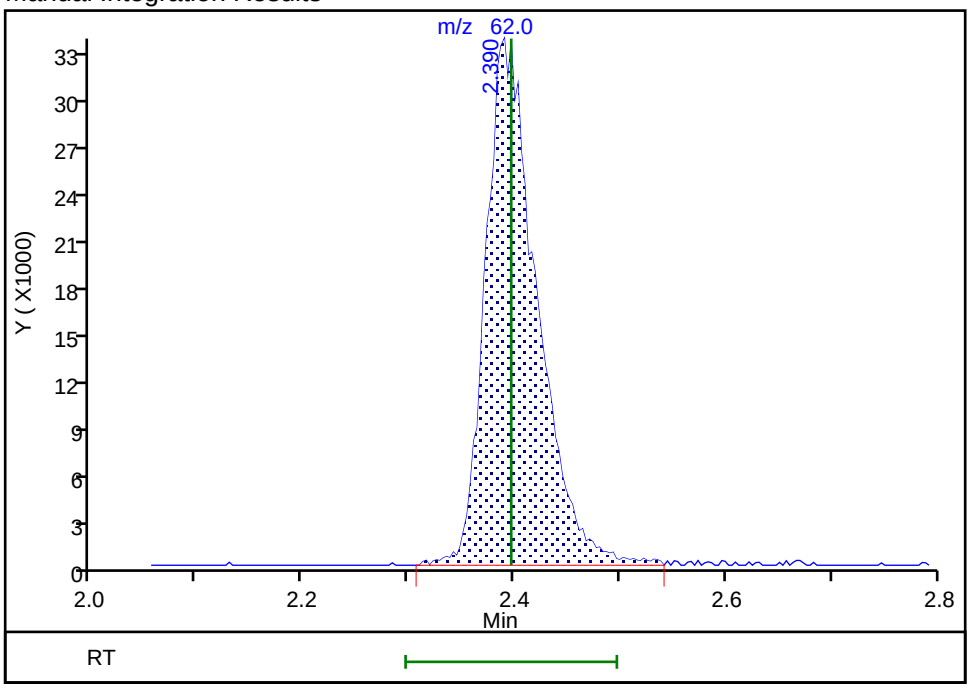
Processing Integration Results

RT: 2.39
Area: 113709
Amount: 19.459796
Amount Units: ug/l



Manual Integration Results

RT: 2.39
Area: 114073
Amount: 19.513408
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:45:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

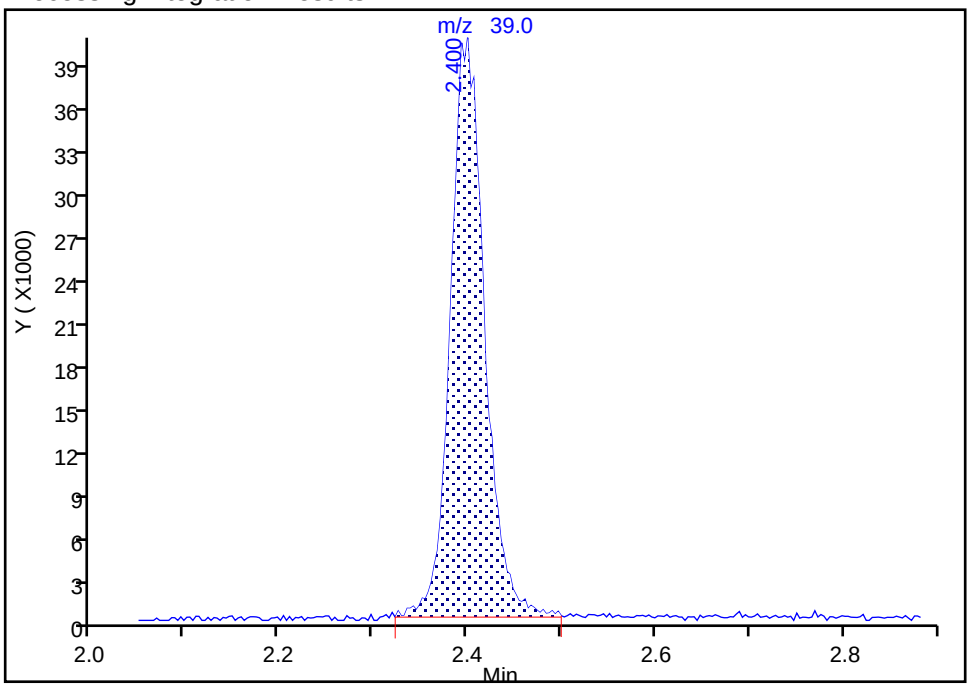
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D
Injection Date: 17-May-2022 18:20:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: CLM27445 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

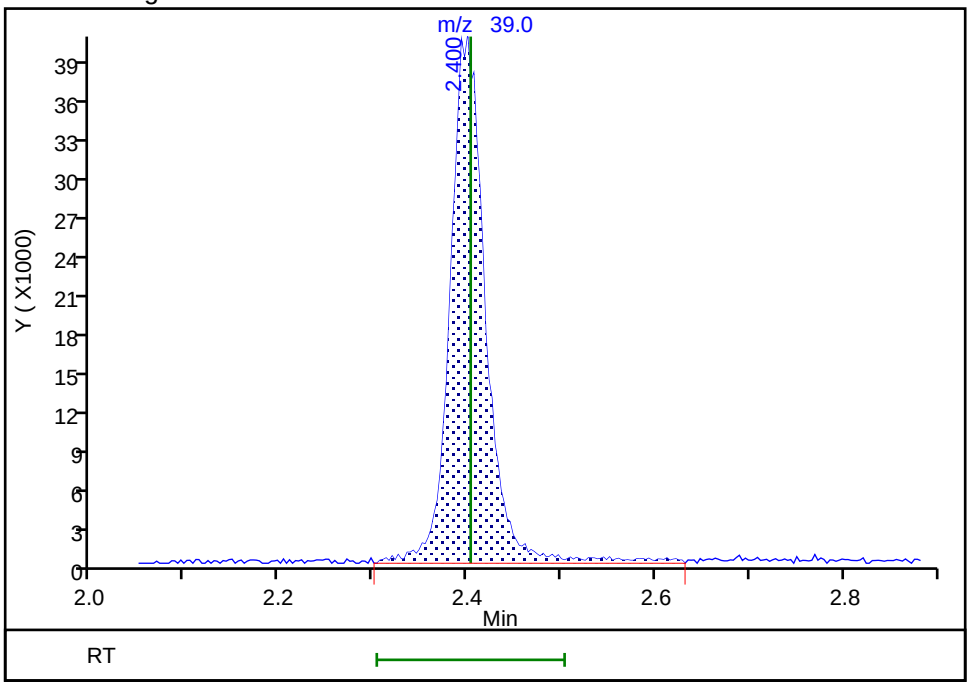
Processing Integration Results

RT: 2.40
Area: 102020
Amount: 18.116615
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 107196
Amount: 18.911603
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:45:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

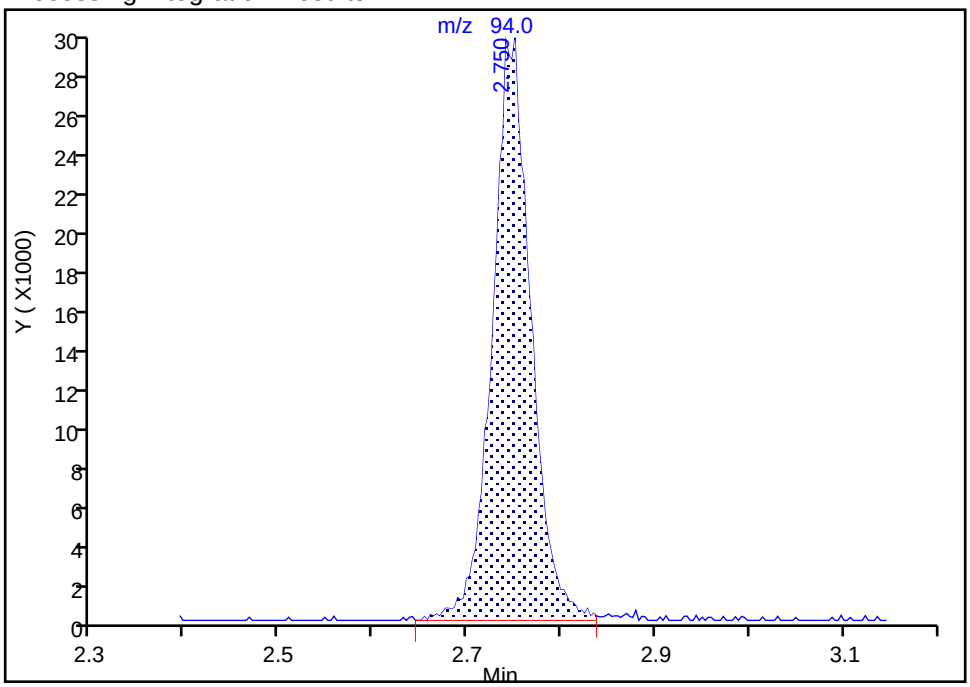
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D
Injection Date: 17-May-2022 18:20:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: CLM27445 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

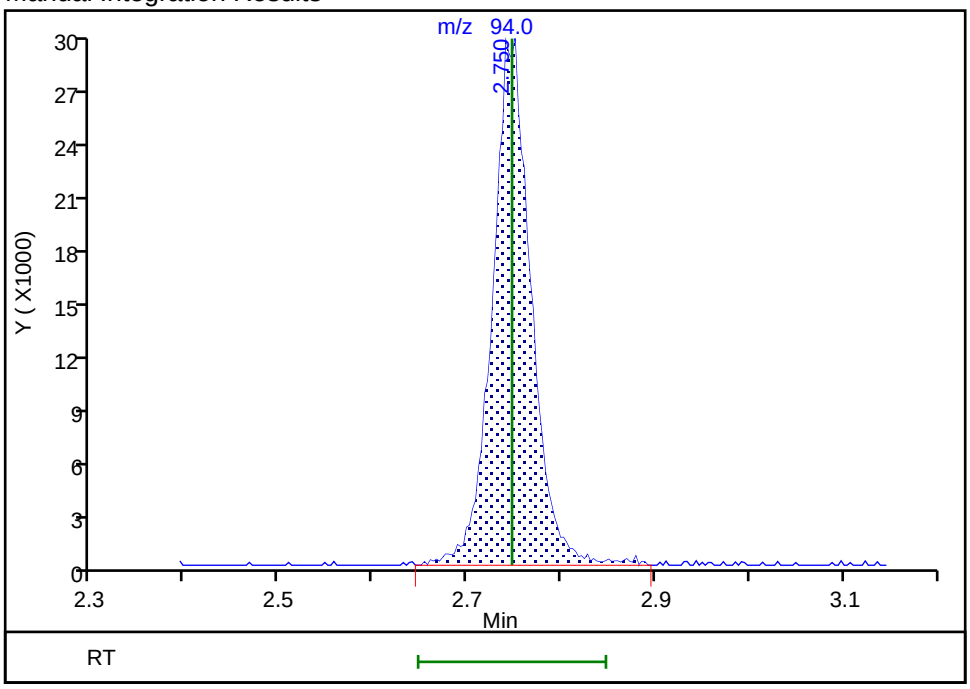
Processing Integration Results

RT: 2.75
Area: 84597
Amount: 18.583916
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 85291
Amount: 18.715990
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:45:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

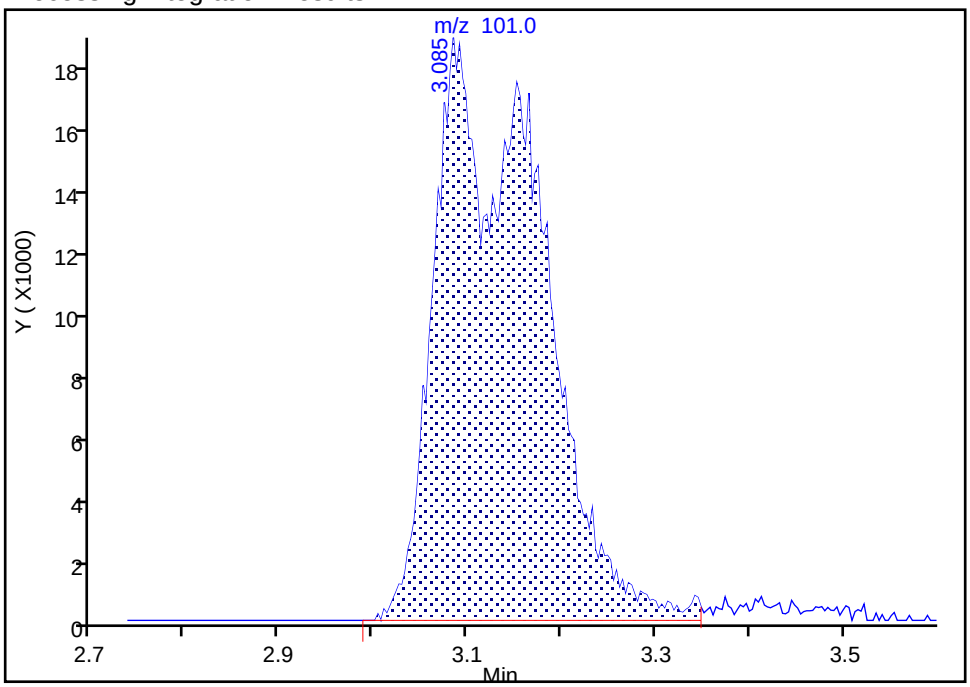
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D
Injection Date: 17-May-2022 18:20:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: CLM27445 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

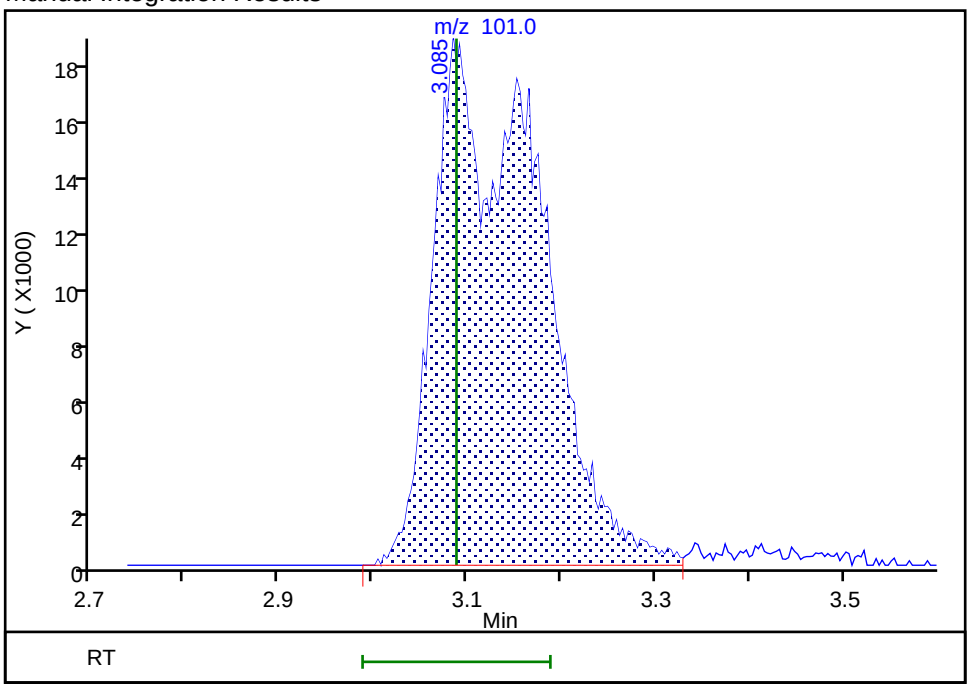
Processing Integration Results

RT: 3.08
Area: 143357
Amount: 20.171100
Amount Units: ug/l



Manual Integration Results

RT: 3.08
Area: 142729
Amount: 20.095421
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:46:05
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

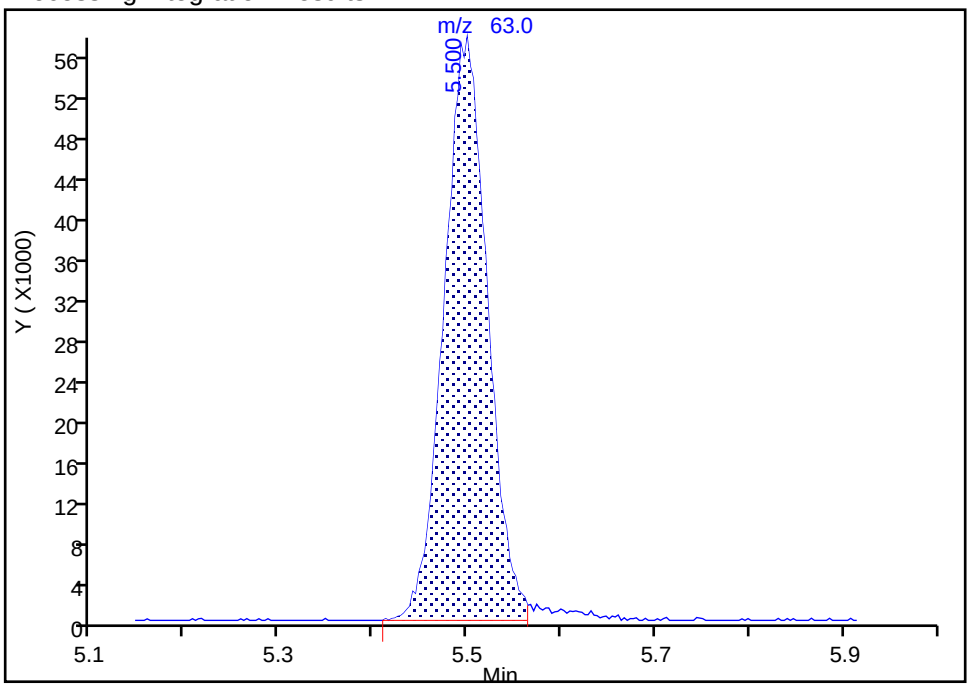
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Injection Date:	17-May-2022 18:20:30	Instrument ID:	9915		
Lims ID:	IC v20				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	23	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

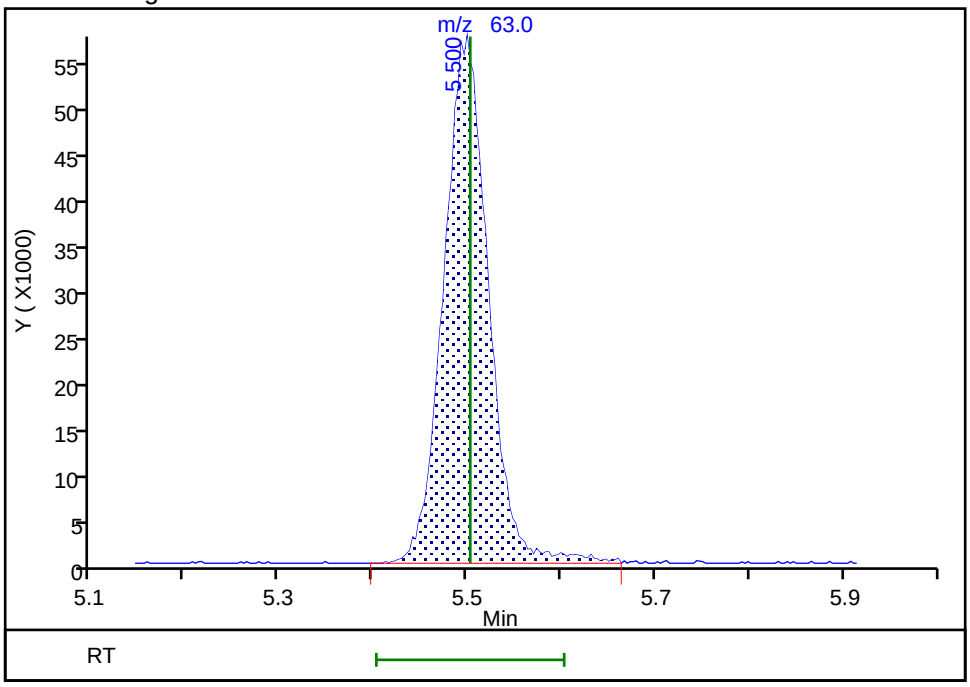
Processing Integration Results

RT: 5.50
Area: 185488
Amount: 20.644411
Amount Units: ug/l



Manual Integration Results

RT: 5.50
Area: 190125
Amount: 21.082780
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:46:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-May-2022 13:25:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-015
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:46 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 16:01:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.072	2.072	0.000	98	254334	50.0	53.2	M
4 Chloromethane	50	2.275	2.275	0.000	99	297162	50.0	49.3	
6 Vinyl chloride	62	2.397	2.397	0.000	76	314411	50.0	51.6	
5 Butadiene	39	2.403	2.403	0.000	93	281830	50.0	47.7	M
8 Bromomethane	94	2.747	2.747	0.000	91	240643	50.0	50.7	M
9 Chloroethane	64	2.831	2.831	0.000	100	184581	50.0	51.0	M
10 Dichlorofluoromethane	67	3.085	3.085	0.000	97	456396	50.0	50.5	
11 Trichlorofluoromethane	101	3.088	3.088	0.000	98	384429	50.0	51.9	M
12 Pentane	43	3.188	3.188	0.000	98	265477	50.0	41.1	
14 Ethyl ether	59	3.406	3.406	0.000	94	169325	50.0	41.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.493	3.493	0.000	93	270062	50.0	49.6	
16 Acrolein	56	3.586	3.586	0.000	98	810725	500.0	450.1	
17 1,1-Dichloroethene	96	3.731	3.731	0.000	97	211877	50.0	48.6	
18 Acetone	58	3.750	3.750	0.000	100	67410	100.0	91.2	
19 112TCTFE	101	3.773	3.773	0.000	92	168824	50.0	42.6	
20 Iodomethane	142	3.927	3.927	0.000	98	374538	50.0	49.3	
21 Isopropyl alcohol	45	3.934	3.934	0.000	98	126604	250.0	217.5	
22 Carbon disulfide	76	4.040	4.040	0.000	100	650930	50.0	48.8	
24 Methyl acetate	43	4.197	4.197	0.000	98	270028	50.0	45.3	
25 3-Chloro-1-propene	41	4.226	4.226	0.000	89	355902	50.0	46.4	
* 27 t-Butyl alcohol-d10 (IS)	65	4.426	4.426	0.000	58	276385	250.0	250.0	
26 Methylene Chloride	84	4.426	4.426	0.000	96	254372	50.0	48.4	
28 2-Methyl-2-propanol	59	4.564	4.564	0.000	99	238080	250.0	221.3	
29 Acrylonitrile	53	4.766	4.766	0.000	99	355475	125.0	118.5	
31 Methyl tert-butyl ether	73	4.834	4.834	0.000	97	828082	50.0	47.3	
32 trans-1,2-Dichloroethene	96	4.844	4.844	0.000	98	246542	50.0	47.5	
33 Hexane	57	5.262	5.262	0.000	94	234011	50.0	39.9	M
35 1,1-Dichloroethane	63	5.503	5.503	0.000	96	447528	50.0	47.6	
36 Isopropyl ether	45	5.557	5.557	0.000	93	797340	50.0	47.6	
37 2-Chloro-1,3-butadiene	53	5.612	5.612	0.000	92	371724	50.0	47.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	6.088	6.088	0.000	97	827022	50.0	47.8	
40 2-Butanone (MEK)	43	6.297	6.297	0.000	100	379353	100.0	90.4	
41 cis-1,2-Dichloroethene	96	6.323	6.323	0.000	83	268588	50.0	47.3	
42 2,2-Dichloropropane	77	6.332	6.332	0.000	88	388843	50.0	47.6	
44 Propionitrile	54	6.384	6.384	0.000	99	292804	250.0	236.8	
45 Methacrylonitrile	67	6.599	6.599	0.000	92	406548	125.0	119.0	
46 Chlorobromomethane	128	6.651	6.651	0.000	79	143609	50.0	48.1	
47 Tetrahydrofuran	71	6.660	6.660	0.000	90	260631	250.0	223.6	
48 Chloroform	83	6.802	6.802	0.000	95	457620	50.0	48.1	
$ 49 Dibromofluoromethane (Surr)	113	7.020	7.020	0.000	93	307122	50.0	51.1	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	98	394010	50.0	48.4	
51 Cyclohexane	56	7.127	7.127	0.000	90	323042	50.0	43.7	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	94	346803	50.0	47.6	
52 Carbon tetrachloride	117	7.242	7.242	0.000	95	324594	50.0	48.9	
54 Isobutyl alcohol	41	7.390	7.390	0.000	96	203027	625.0	563.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.467	0.000	94	71801	50.0	50.1	
56 Benzene	78	7.506	7.506	0.000	97	1006522	50.0	47.7	
57 1,2-Dichloroethane	62	7.573	7.573	0.000	98	404140	50.0	47.5	
59 Tert-amyl methyl ether	73	7.686	7.686	0.000	98	841655	50.0	48.1	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	99	1188475	50.0	50.0	
62 n-Heptane	43	7.917	7.917	0.000	89	225249	50.0	35.7	M
63 n-Butanol	56	8.265	8.265	0.000	91	167049	625.0	616.3	
64 Trichloroethene	95	8.380	8.380	0.000	98	266456	50.0	47.7	
65 Methylcyclohexane	83	8.683	8.683	0.000	91	325549	50.0	41.0	
67 1,2-Dichloropropane	63	8.712	8.712	0.000	89	277304	50.0	47.8	
66 2-ethoxy-2-methyl butane	87	8.715	8.715	0.000	93	413823	50.0	47.8	
68 Methyl methacrylate	69	8.789	8.789	0.000	89	266552	50.0	48.1	
69 1,4-Dioxane	88	8.795	8.795	0.000	42	55189	625.0	627.7	
70 Dibromomethane	93	8.821	8.821	0.000	94	195436	50.0	47.8	
72 Dichlorobromomethane	83	9.052	9.052	0.000	99	353335	50.0	48.5	
73 2-Nitropropane	41	9.323	9.323	0.000	98	628804	250.0	238.9	
74 2-Chloroethyl vinyl ether	63	9.403	9.403	0.000	92	236970	50.0	47.6	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	94	460416	50.0	48.2	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	828290	100.0	93.7	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1235285	50.0	50.1	
79 Toluene	92	9.962	9.962	0.000	97	640797	50.0	47.4	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	95	446951	50.0	48.4	
85 Ethyl methacrylate	69	10.265	10.265	0.000	89	465129	50.0	48.1	
86 1,1,2-Trichloroethane	97	10.413	10.413	0.000	91	268203	50.0	48.1	
87 Tetrachloroethene	166	10.499	10.499	0.000	94	243868	50.0	46.0	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	92	456682	50.0	47.6	
90 2-Hexanone	43	10.618	10.618	0.000	98	614844	100.0	93.9	
92 Chlorodibromomethane	129	10.782	10.782	0.000	90	297387	50.0	49.1	
93 Ethylene Dibromide	107	10.895	10.895	0.000	99	298016	50.0	48.5	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	921084	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	326362	50.0	42.7	
97 Chlorobenzene	112	11.345	11.345	0.000	94	743917	50.0	46.8	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	95	264640	50.0	48.4	
99 Ethylbenzene	91	11.432	11.432	0.000	98	1242497	50.0	46.1	
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	100	974024	100.0	93.2	
101 o-Xylene	106	11.872	11.872	0.000	97	493676	50.0	46.9	
102 Styrene	104	11.885	11.885	0.000	95	844335	50.0	47.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	12.043	12.043	0.000	94	214423	50.0	49.5	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	1214905	50.0	46.2	
106 Cyclohexanone	55	12.245	12.245	0.000	94	295389	625.0	673.5	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	86	465204	50.0	50.2	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	458326	50.0	47.1	
109 Bromobenzene	156	12.429	12.429	0.000	98	308107	50.0	45.5	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	90	375746	125.0	118.0	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	85	134843	50.0	46.0	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	1428178	50.0	45.1	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	296318	50.0	46.1	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	1037400	50.0	45.4	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	307116	50.0	45.6	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	200039	50.0	45.8	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	1088557	50.0	45.7	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	1203403	50.0	44.0	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	593246	50.0	45.5	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	1083182	50.0	44.3	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	498273	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	93	613665	50.0	44.8	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	99	1143215	50.0	45.9	
126 Benzyl chloride	91	13.281	13.281	0.000	99	957896	50.0	48.4	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	656243	50.0	44.6	
128 p-Diethylbenzene	119	13.409	13.409	0.000	95	675570	50.0	43.5	
129 n-Butylbenzene	92	13.428	13.428	0.000	97	540469	50.0	42.6	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	602713	50.0	45.9	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	555182	50.0	44.8	
133 1,2-Dibromo-3-Chloropropane	75	14.007	14.007	0.000	81	115532	50.0	46.8	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	387365	50.0	42.1	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	384840	50.0	42.3	
136 Hexachlorobutadiene	225	14.637	14.637	0.000	97	135145	50.0	38.6	
137 Naphthalene	128	14.737	14.737	0.000	97	1491306	50.0	44.7	
138 1,2,3-Trichlorobenzene	180	14.879	14.879	0.000	96	376809	50.0	42.5	
139 2-Methylnaphthalene	142	15.518	15.518	0.000	92	799612	50.0	44.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-May-2022 19:17:47 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D

Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915 Operator ID: CLM27445

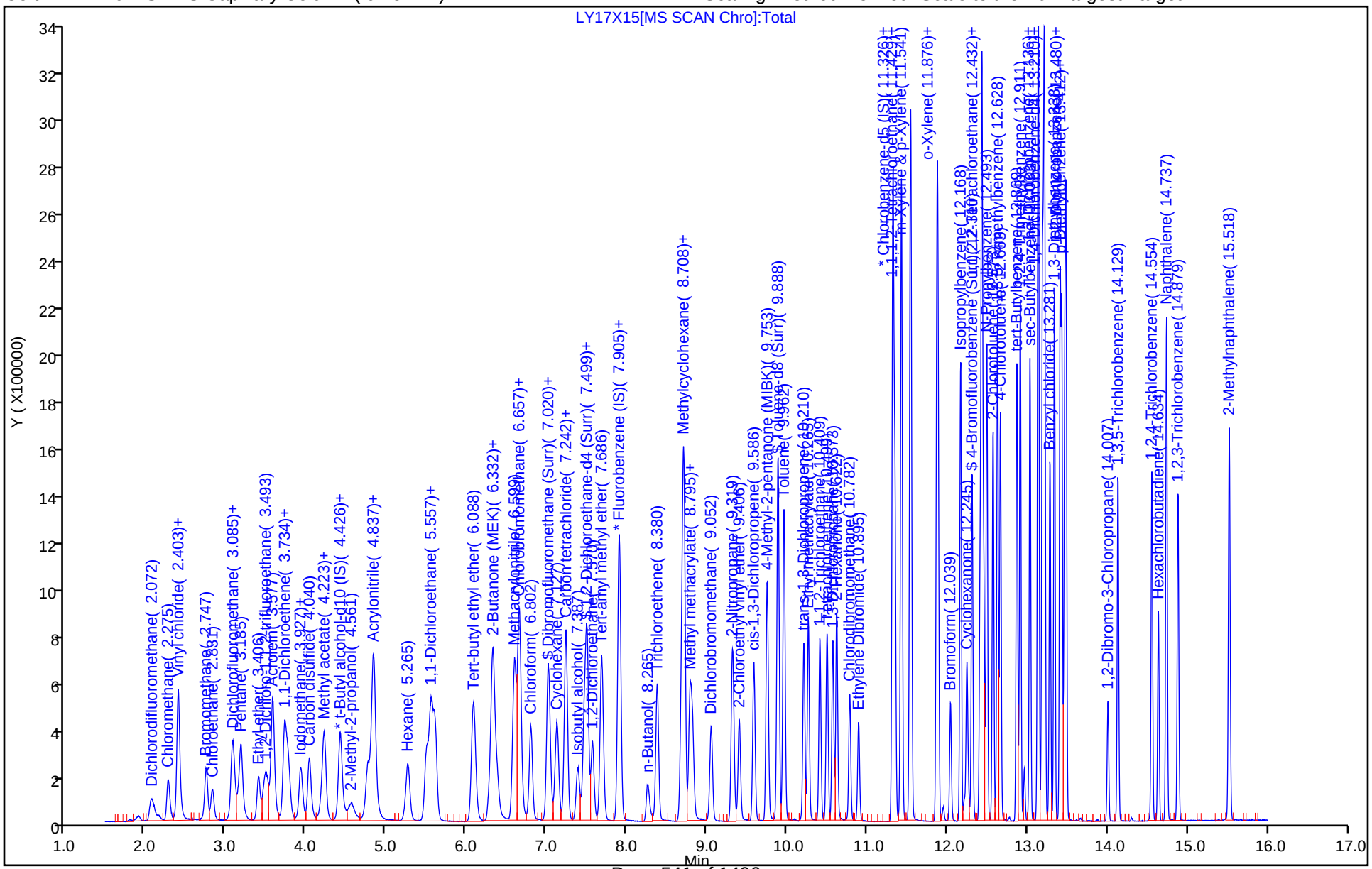
Lims ID: ICIS v50 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

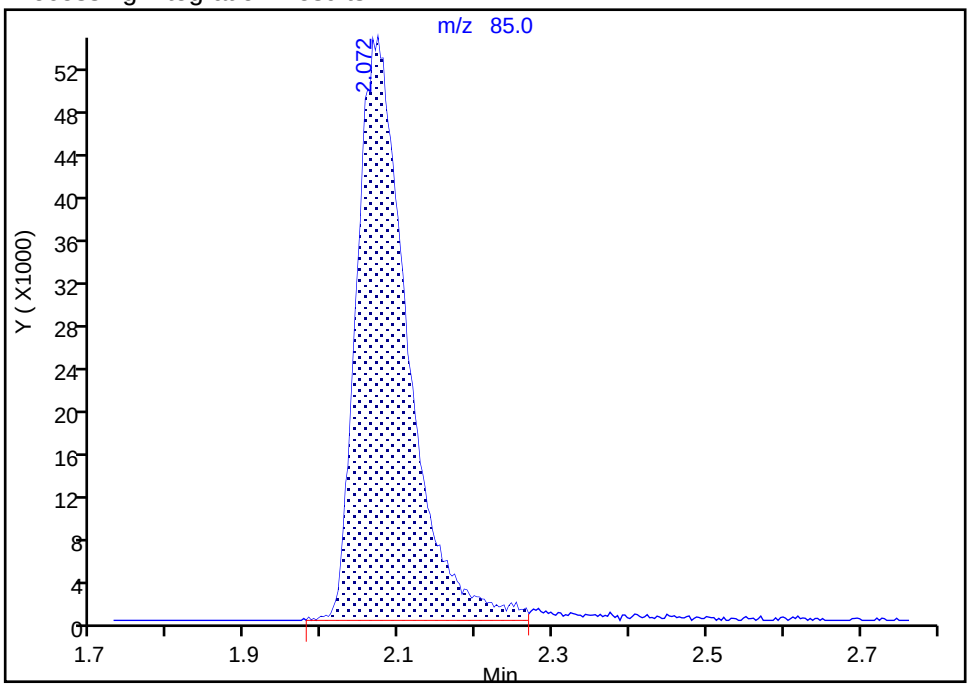
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

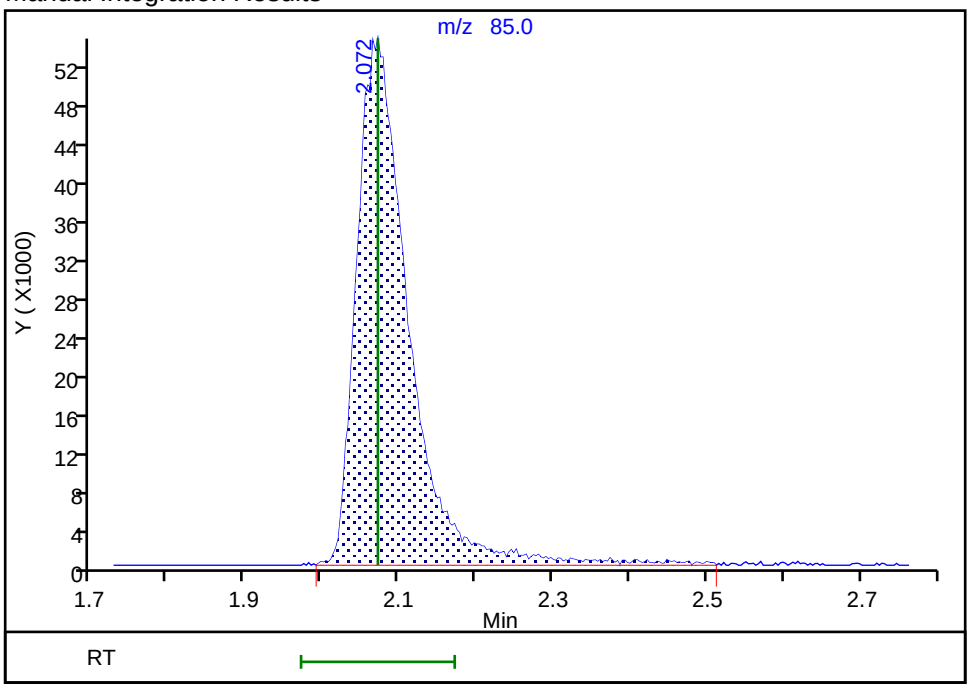
Processing Integration Results

RT: 2.07
Area: 247950
Amount: 52.102407
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 254334
Amount: 53.214222
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 15:59:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

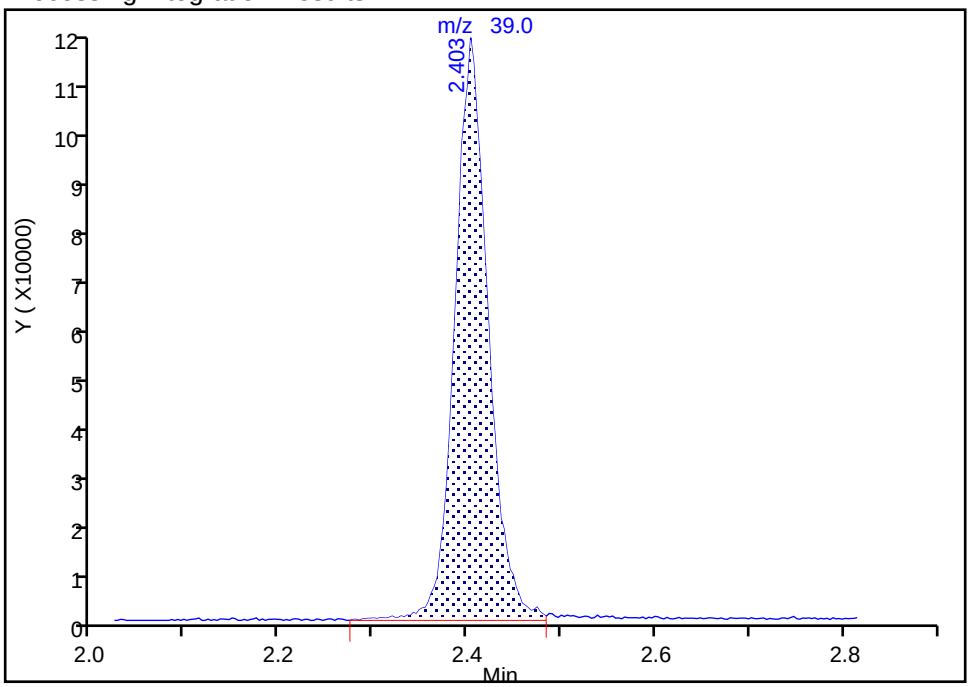
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

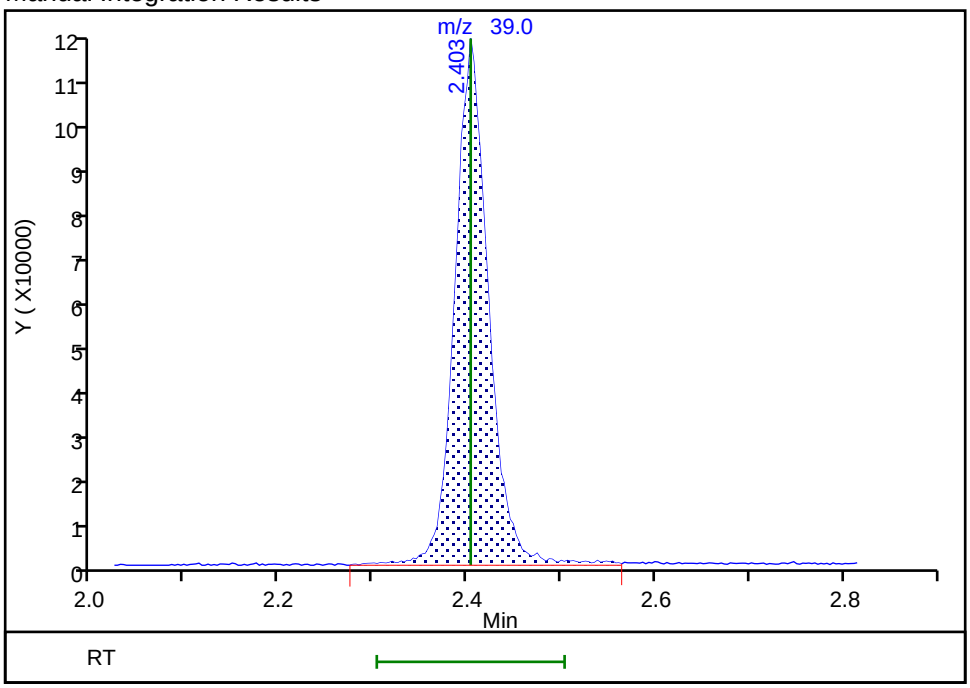
Processing Integration Results

RT: 2.40
Area: 278174
Amount: 46.526888
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 281830
Amount: 47.692644
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:00:16
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

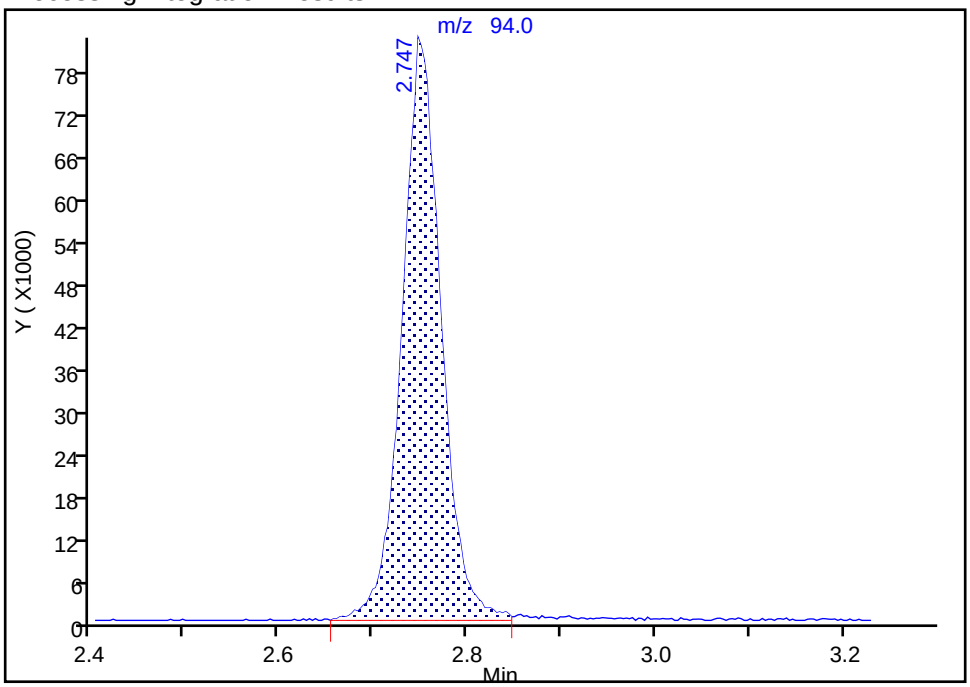
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

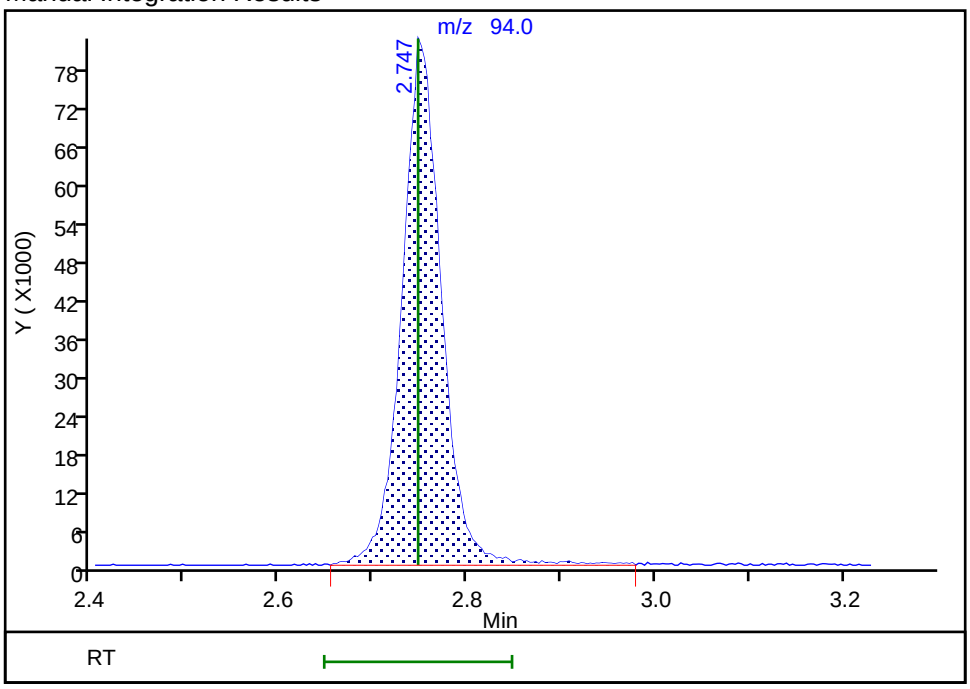
Processing Integration Results

RT: 2.75
Area: 237566
Amount: 49.162552
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 240643
Amount: 50.652077
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:00:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

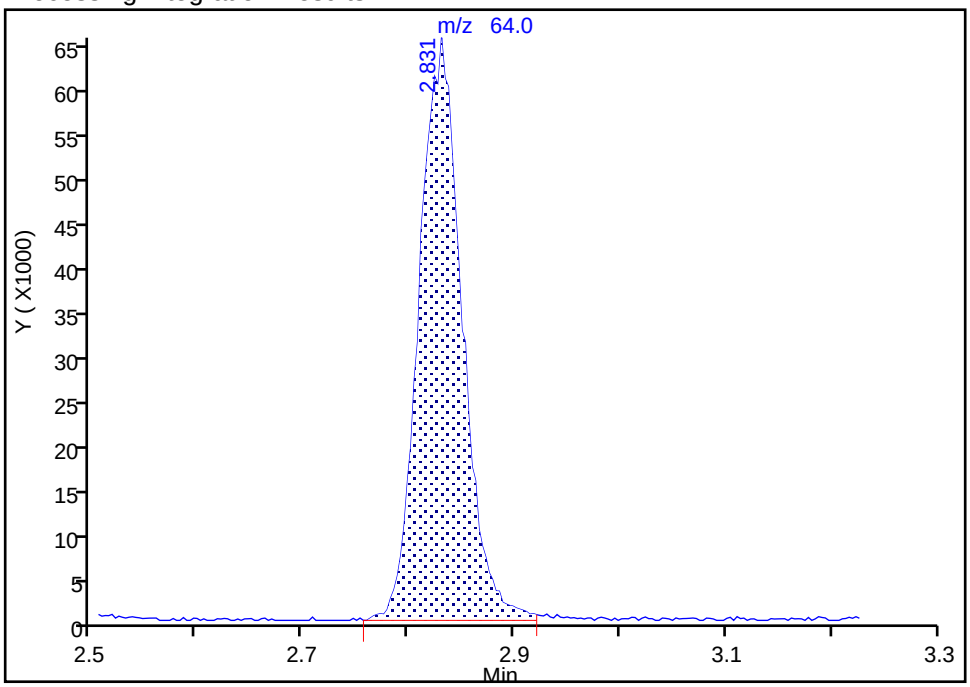
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Signal: 1

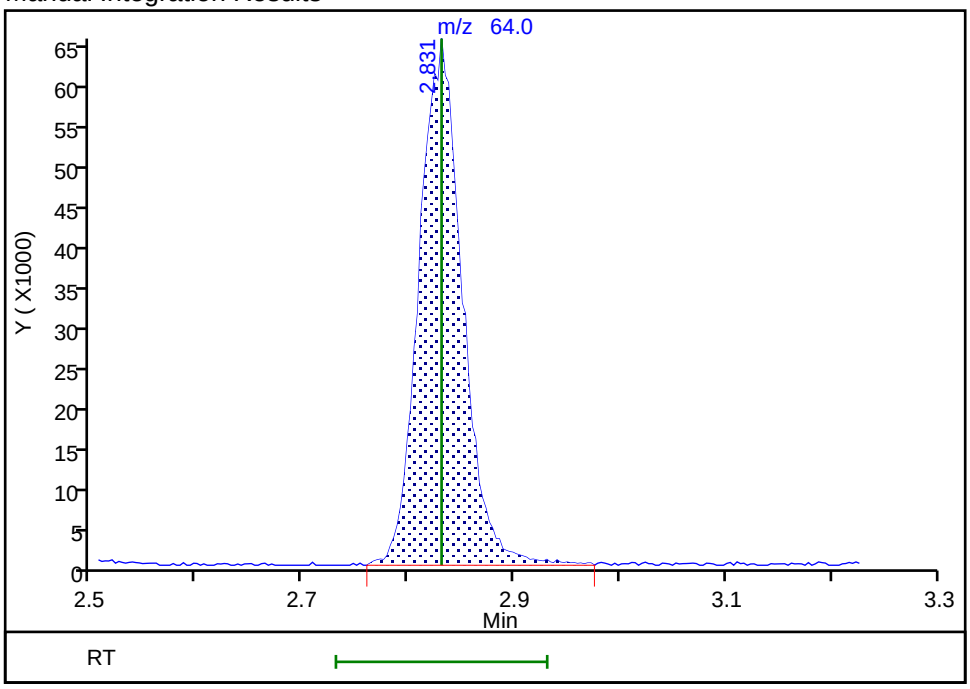
Processing Integration Results

RT: 2.83
Area: 183469
Amount: 49.996618
Amount Units: ug/l



Manual Integration Results

RT: 2.83
Area: 184581
Amount: 50.981167
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:00:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

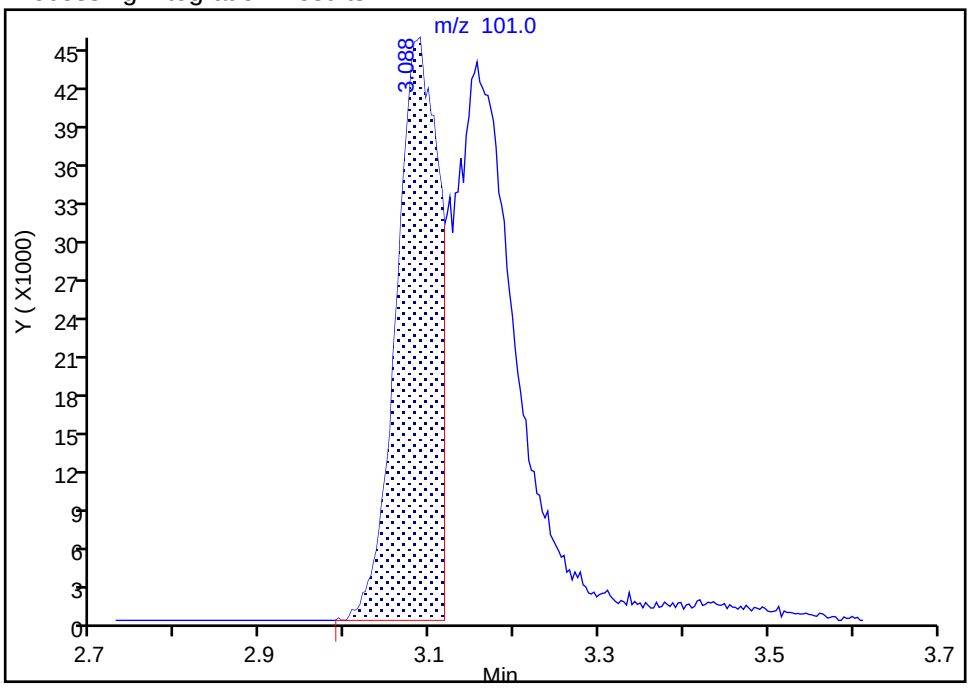
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

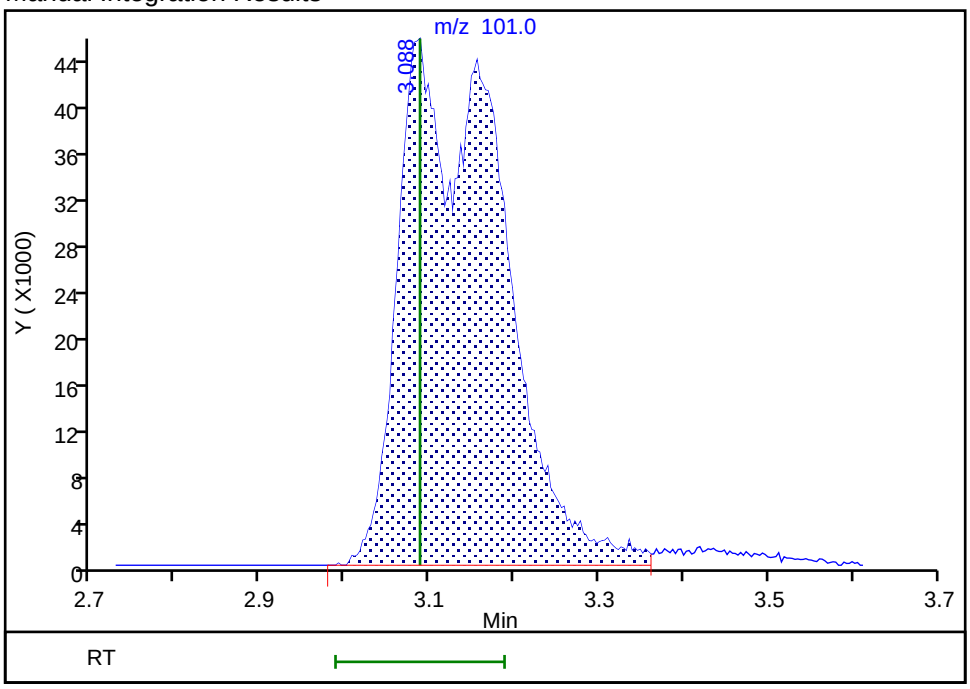
Processing Integration Results

RT: 3.09
Area: 158319
Amount: 27.107767
Amount Units: ug/l



Manual Integration Results

RT: 3.09
Area: 384429
Amount: 51.917700
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:00:48
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

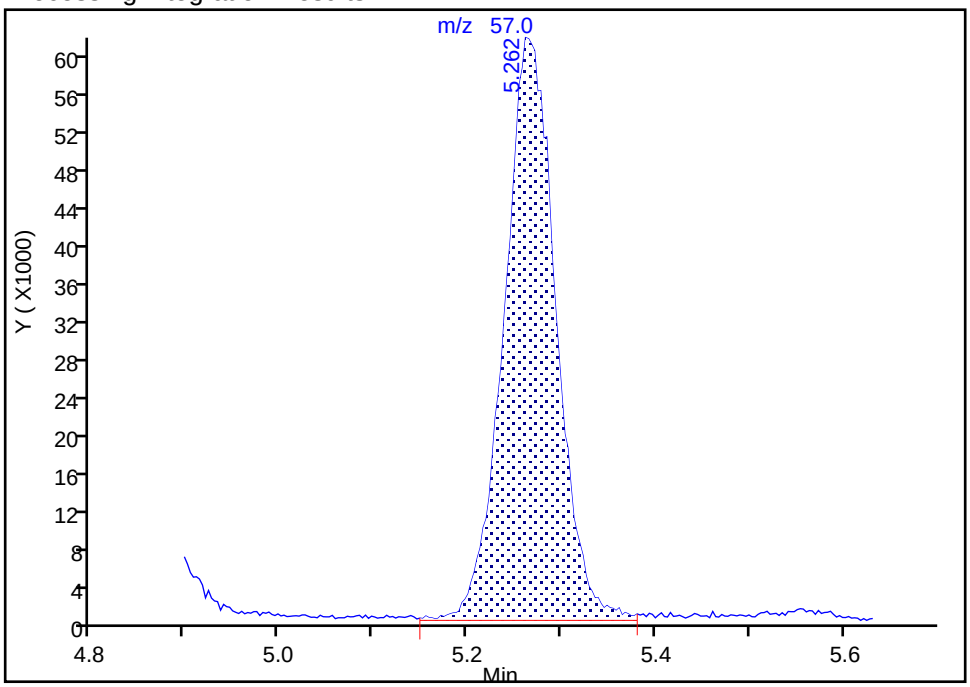
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D				
Injection Date:	17-May-2022 13:25:30	Instrument ID:	9915		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Hexane, CAS: 110-54-3

Signal: 1

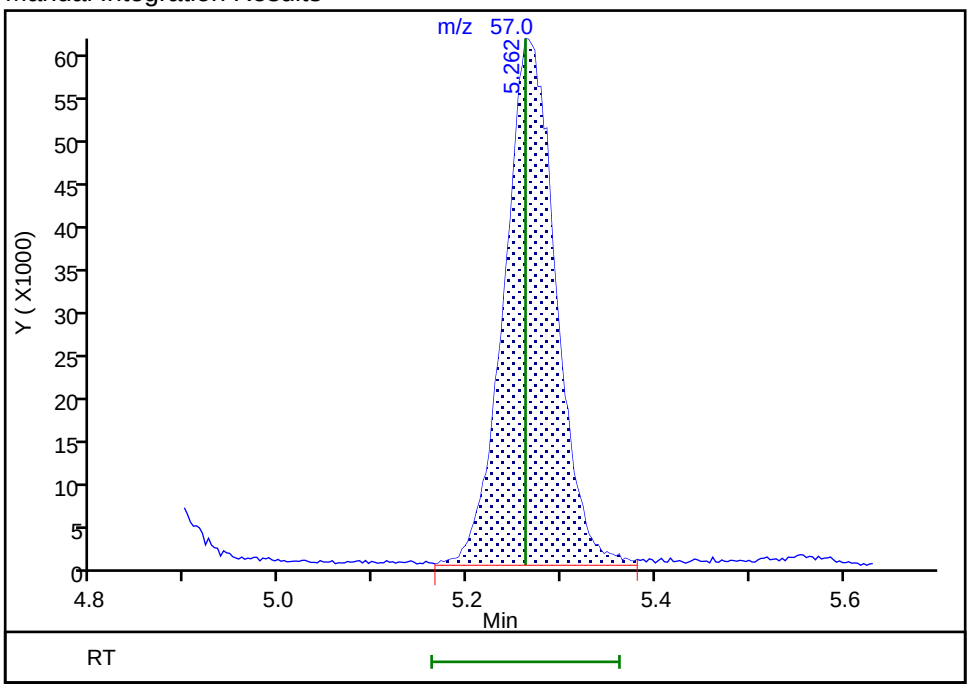
Processing Integration Results

RT: 5.26
Area: 234273
Amount: 47.116863
Amount Units: ug/l



Manual Integration Results

RT: 5.26
Area: 234011
Amount: 39.925596
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:18:03
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

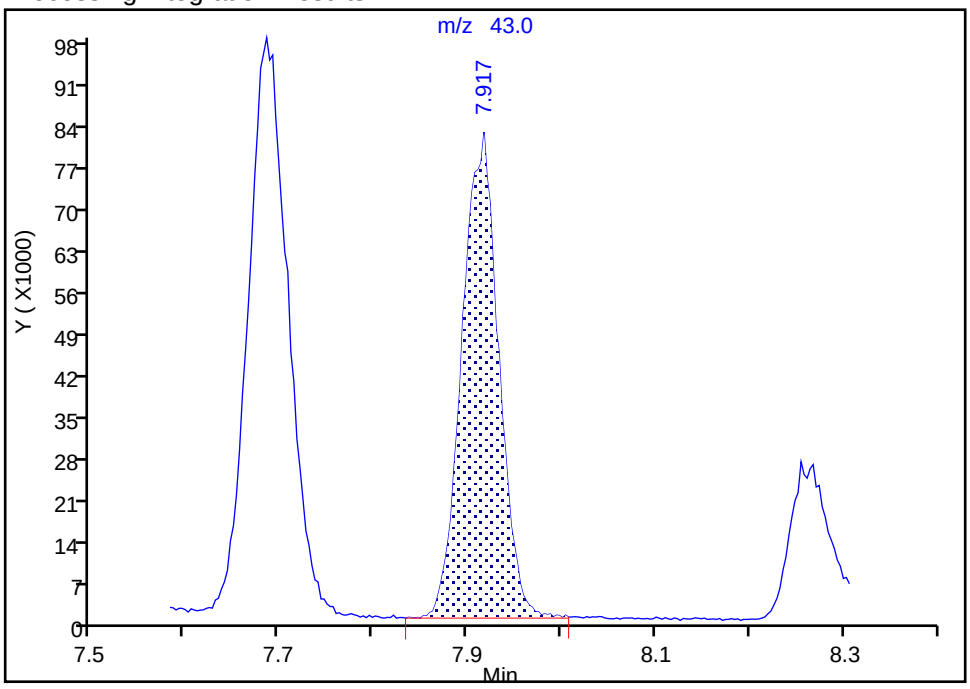
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X15.D
Injection Date: 17-May-2022 13:25:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: CLM27445 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

62 n-Heptane, CAS: 142-82-5

Signal: 1

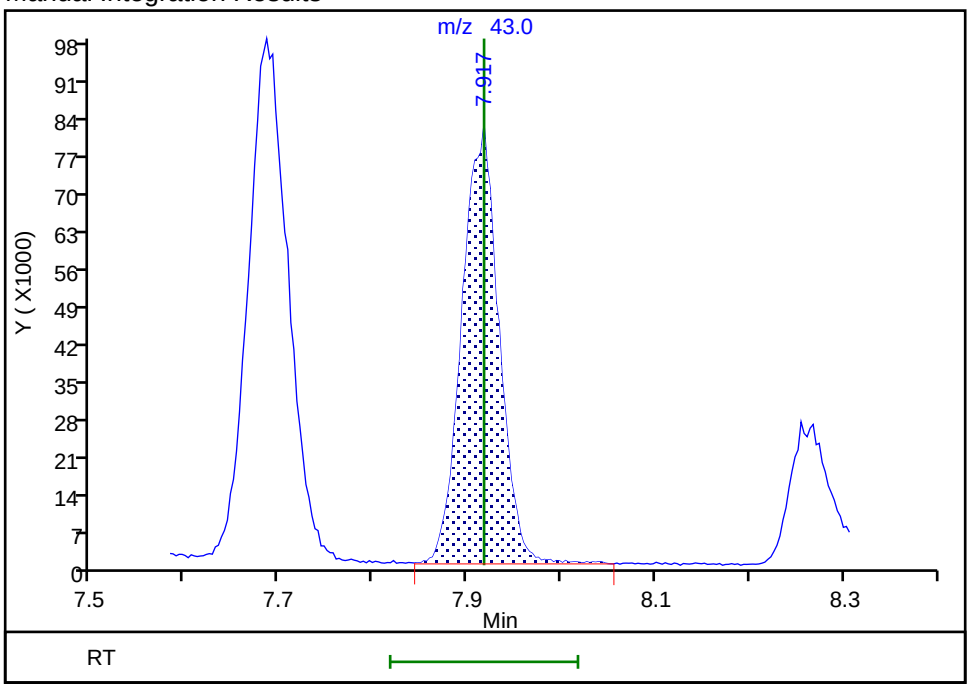
Processing Integration Results

RT: 7.92
Area: 223193
Amount: 42.965853
Amount Units: ug/l



Manual Integration Results

RT: 7.92
Area: 225249
Amount: 35.651055
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:17:48
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-May-2022 13:47:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-016
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:17:53 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 16:04:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.069	2.072	-0.003	99	551650	100.0	113.1	M
4 Chloromethane	50	2.278	2.275	0.003	99	636169	100.0	103.4	
6 Vinyl chloride	62	2.393	2.397	-0.004	98	674345	100.0	108.4	M
5 Butadiene	39	2.403	2.403	0.000	93	585637	100.0	97.1	M
8 Bromomethane	94	2.750	2.747	0.003	91	503383	100.0	103.8	
9 Chloroethane	64	2.828	2.831	-0.003	100	386889	100.0	104.7	
10 Dichlorofluoromethane	67	3.082	3.085	-0.003	97	959441	100.0	104.1	
11 Trichlorofluoromethane	101	3.159	3.088	0.071	97	818634	100.0	108.4	M
12 Pentane	43	3.184	3.188	-0.004	97	689337	100.0	104.6	
14 Ethyl ether	59	3.400	3.406	-0.006	91	364808	100.0	87.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.500	3.493	0.007	93	571399	100.0	102.9	
16 Acrolein	56	3.580	3.586	-0.006	99	1851575	999.9	993.8	
17 1,1-Dichloroethene	96	3.728	3.731	-0.003	97	467433	100.0	105.2	
18 Acetone	58	3.754	3.750	0.004	100	140887	200.0	184.2	
19 112TCTFE	101	3.773	3.773	0.000	93	420117	100.0	103.9	M
20 Iodomethane	142	3.927	3.927	0.000	99	822201	100.0	106.1	
21 Isopropyl alcohol	45	3.937	3.934	0.003	43	273365	500.0	453.9	
22 Carbon disulfide	76	4.036	4.040	-0.004	100	1467641	100.0	107.9	
24 Methyl acetate	43	4.191	4.197	-0.006	98	585269	100.0	96.3	
25 3-Chloro-1-propene	41	4.223	4.226	-0.003	90	791438	100.0	101.0	
* 27 t-Butyl alcohol-d10 (IS)	65	4.429	4.426	0.003	57	285897	250.0	250.0	
26 Methylene Chloride	84	4.419	4.426	-0.007	94	550754	100.0	102.7	
28 2-Methyl-2-propanol	59	4.570	4.564	0.006	99	513438	500.0	461.4	
29 Acrylonitrile	53	4.763	4.766	-0.003	98	763722	250.0	249.6	
31 Methyl tert-butyl ether	73	4.834	4.834	0.000	96	1761953	100.0	98.7	
32 trans-1,2-Dichloroethene	96	4.837	4.844	-0.007	98	546390	100.0	103.1	
33 Hexane	57	5.268	5.262	0.006	92	663961	100.0	111.0	M
35 1,1-Dichloroethane	63	5.499	5.503	-0.004	96	985609	100.0	102.7	
36 Isopropyl ether	45	5.557	5.557	0.000	93	1712916	100.0	100.2	
37 2-Chloro-1,3-butadiene	53	5.606	5.612	-0.006	93	833769	100.0	104.7	

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	6.088	6.088	0.000	97	1761100	100.0	99.8	
S 39 1,2-Dichloroethene, Total	100				0			205.8	
40 2-Butanone (MEK)	43	6.297	6.297	0.000	100	822718	200.0	192.2	
41 cis-1,2-Dichloroethene	96	6.326	6.323	0.003	82	595034	100.0	102.7	
42 2,2-Dichloropropane	77	6.345	6.332	0.013	88	868736	100.0	104.3	
44 Propionitrile	54	6.380	6.384	-0.004	99	608806	500.0	476.0	
45 Methacrylonitrile	67	6.599	6.599	0.000	92	867466	250.0	248.8	
46 Chlorobromomethane	128	6.650	6.651	-0.001	78	311725	100.0	102.2	
47 Tetrahydrofuran	71	6.663	6.660	0.003	91	565358	500.0	469.0	
48 Chloroform	83	6.805	6.802	0.003	94	992549	100.0	102.2	
$ 49 Dibromofluoromethane (Surr)	113	7.020	7.020	0.000	92	308017	50.0	50.2	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	99	872784	100.0	105.0	
51 Cyclohexane	56	7.130	7.127	0.004	92	816236	100.0	108.2	
53 1,1-Dichloropropene	75	7.239	7.242	-0.003	95	771512	100.0	103.7	
52 Carbon tetrachloride	117	7.239	7.242	-0.003	96	735175	100.0	108.5	
54 Isobutyl alcohol	41	7.387	7.390	-0.003	94	421246	1250.0	1130.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.467	0.003	98	74581	50.0	51.1	
56 Benzene	78	7.503	7.506	-0.003	96	2228108	100.0	103.6	
57 1,2-Dichloroethane	62	7.570	7.573	-0.003	98	853026	100.0	98.2	
59 Tert-amyl methyl ether	73	7.689	7.686	0.003	98	1764236	100.0	98.9	
* 61 Fluorobenzene (IS)	96	7.901	7.905	-0.004	99	1212657	50.0	50.0	
62 n-Heptane	43	7.914	7.917	-0.003	93	688754	100.0	106.8	M
63 n-Butanol	56	8.258	8.265	-0.007	90	341852	1250.0	1219.3	
64 Trichloroethene	95	8.380	8.380	0.000	99	592872	100.0	104.1	
65 Methylcyclohexane	83	8.686	8.683	0.003	92	896110	100.0	110.5	
67 1,2-Dichloropropane	63	8.712	8.712	0.000	95	612658	100.0	103.4	
66 2-ethoxy-2-methyl butane	87	8.715	8.715	0.000	96	913028	100.0	103.3	
68 Methyl methacrylate	69	8.792	8.789	0.003	91	562497	100.0	99.4	
69 1,4-Dioxane	88	8.795	8.795	0.000	62	111448	1250.0	1225.5	
70 Dibromomethane	93	8.821	8.821	0.000	93	424144	100.0	101.6	
72 Dichlorobromomethane	83	9.056	9.052	0.004	99	769556	100.0	103.4	
73 2-Nitropropane	41	9.322	9.323	-0.001	98	1340217	500.0	492.3	
74 2-Chloroethyl vinyl ether	63	9.403	9.403	0.000	91	506258	100.0	99.8	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	95	1023880	100.0	105.1	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	1819549	200.0	201.8	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1257186	50.0	49.3	
79 Toluene	92	9.962	9.962	0.000	97	1433200	100.0	102.6	
S 83 1,3-Dichloropropene, Total	100				0			207.9	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	94	981333	100.0	102.8	
85 Ethyl methacrylate	69	10.268	10.265	0.003	89	1007780	100.0	100.7	
86 1,1,2-Trichloroethane	97	10.412	10.413	-0.001	91	568716	100.0	98.6	
87 Tetrachloroethene	166	10.499	10.499	0.000	94	560346	100.0	102.3	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	92	981397	100.0	99.0	
90 2-Hexanone	43	10.618	10.618	0.000	98	1387146	200.0	204.9	
92 Chlorodibromomethane	129	10.782	10.782	0.000	90	659201	100.0	105.3	
93 Ethylene Dibromide	107	10.895	10.895	0.000	98	637293	100.0	100.3	
S 94 Xylenes, Total	106				0			307.4	
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	951926	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	786341	100.0	99.5	
97 Chlorobenzene	112	11.348	11.345	0.003	94	1667483	100.0	101.5	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	96	591855	100.0	104.7	
99 Ethylbenzene	91	11.432	11.432	0.000	98	2843365	100.0	102.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	100	2220724	200.0	205.6	
101 o-Xylene	106	11.872	11.872	0.000	96	1107533	100.0	101.8	
102 Styrene	104	11.885	11.885	0.000	94	1910491	100.0	103.1	
103 Bromoform	173	12.043	12.043	0.000	94	475618	100.0	106.3	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	2794276	100.0	102.8	
106 Cyclohexanone	55	12.245	12.245	0.000	94	564833	1250.0	1245.0	
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.310	0.003	86	478180	50.0	49.9	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	971023	100.0	97.4	
109 Bromobenzene	156	12.428	12.429	-0.001	97	686177	100.0	98.8	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	90	820822	250.0	251.5	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	85	287649	100.0	95.8	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	3277609	100.0	101.0	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	661146	100.0	100.4	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	2390223	100.0	102.1	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	688436	100.0	99.8	
117 tert-Butylbenzene	134	12.872	12.869	0.003	93	466458	100.0	104.2	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	2470339	100.0	101.2	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	2868025	100.0	102.3	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	1335654	100.0	100.0	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	2579197	100.0	102.9	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	95	510617	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	-0.001	93	1370811	100.0	97.6	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	99	2580637	100.0	101.0	
126 Benzyl chloride	91	13.280	13.281	-0.001	99	2097410	100.0	103.4	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	1518200	100.0	100.7	
128 p-Diethylbenzene	119	13.409	13.409	0.000	93	1579666	100.0	99.2	
129 n-Butylbenzene	92	13.432	13.428	0.004	97	1284132	100.0	98.8	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	1321991	100.0	98.2	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	1285324	100.0	101.2	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.007	-0.003	83	248498	100.0	98.2	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.003	97	874556	100.0	92.7	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	856198	100.0	91.9	
136 Hexachlorobutadiene	225	14.634	14.637	-0.003	96	325223	100.0	90.6	
137 Naphthalene	128	14.737	14.737	0.000	97	3210877	100.0	94.0	
138 1,2,3-Trichlorobenzene	180	14.882	14.879	0.003	95	821193	100.0	90.3	
139 2-Methylnaphthalene	142	15.522	15.518	0.004	94	1768991	100.0	96.8	
S 145 Total Diethylbenzene	1				0			301.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

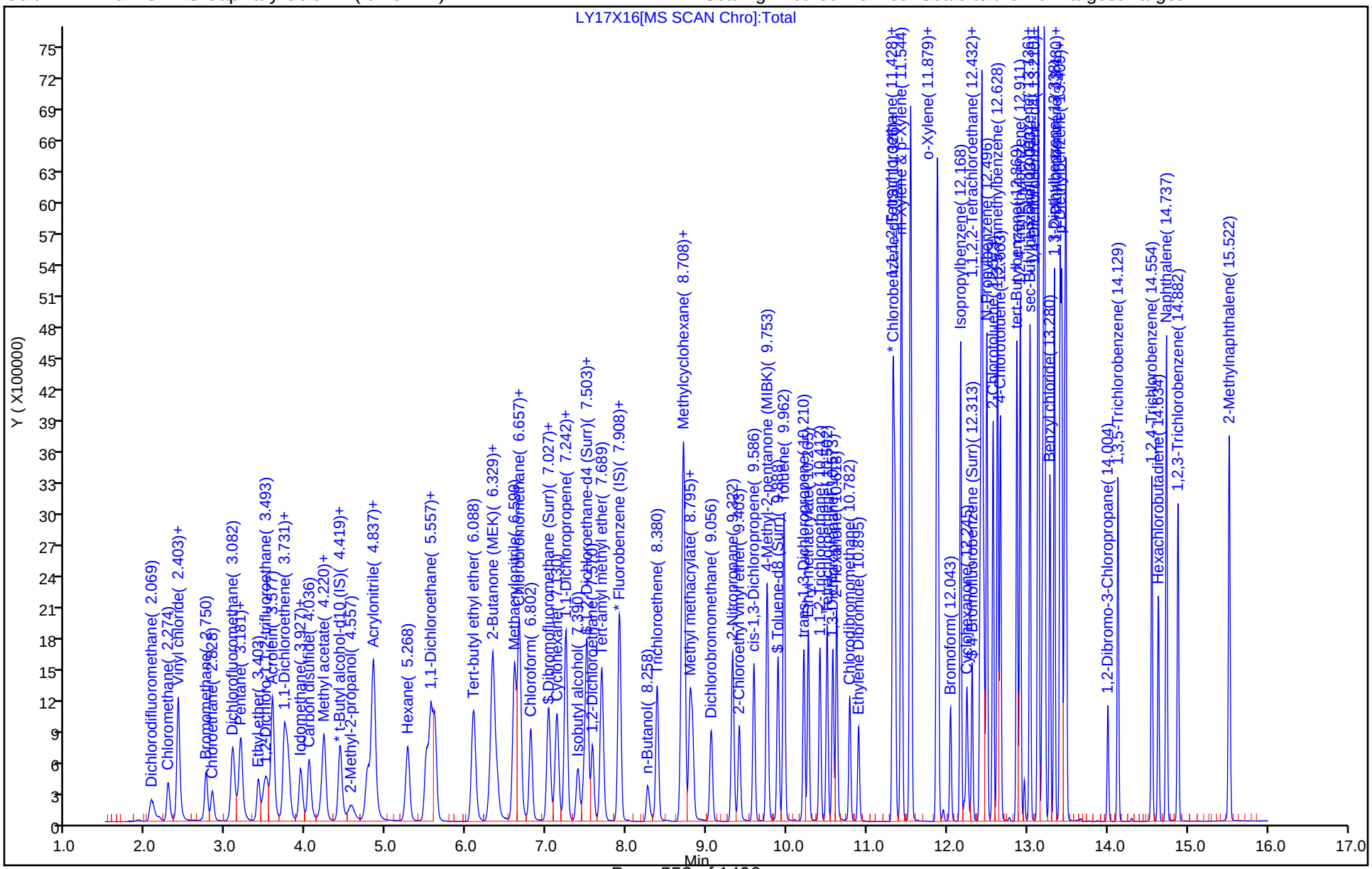
Report Date: 17-May-2022 19:17:54 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D

Injection Date:	17-May-2022 13:47:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v100			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

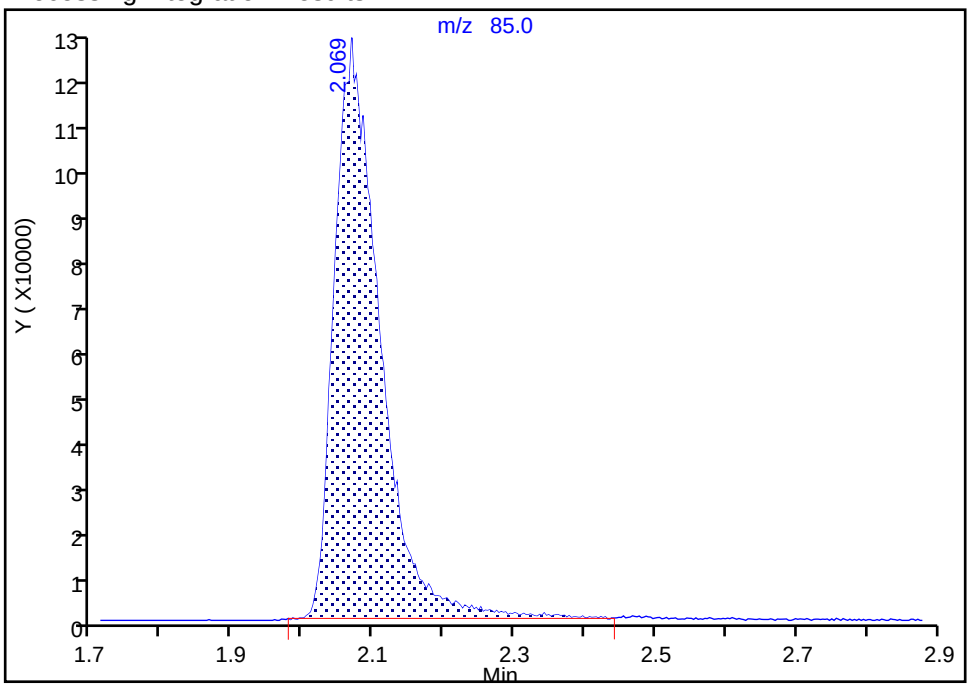
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D
Injection Date: 17-May-2022 13:47:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: CLM27445 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

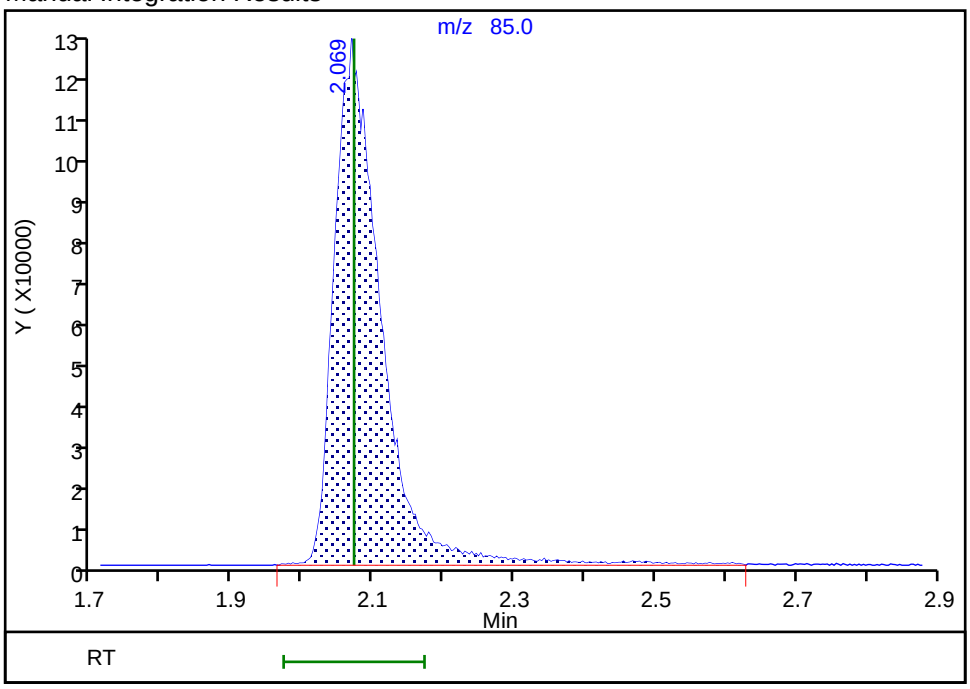
Processing Integration Results

RT: 2.07
Area: 534842
Amount: 109.7261
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 551650
Amount: 113.1199
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:02:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

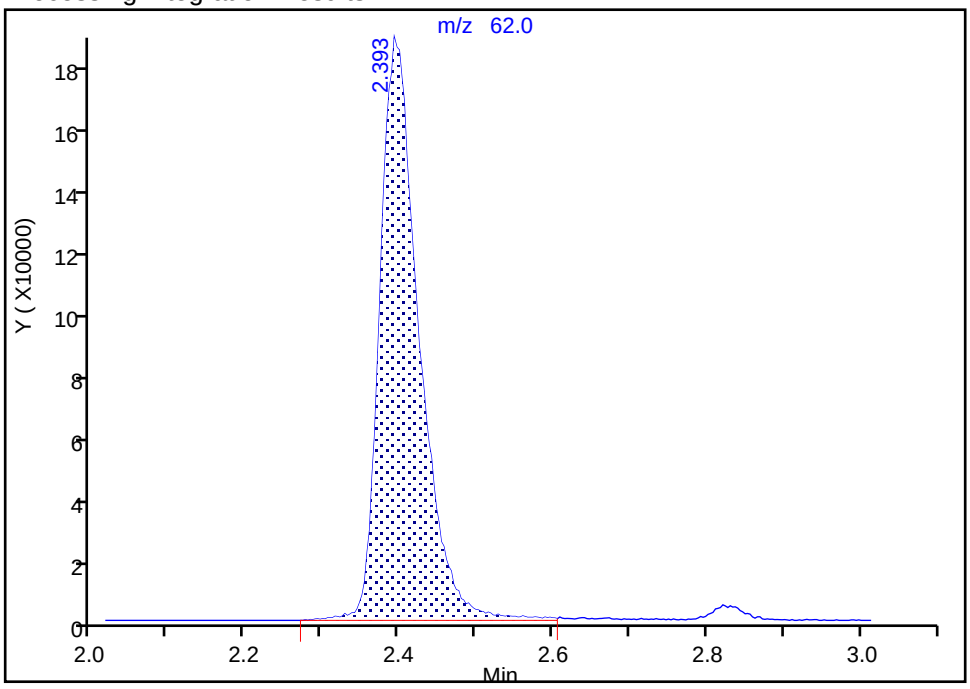
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D
Injection Date: 17-May-2022 13:47:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: CLM27445 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Vinyl chloride, CAS: 75-01-4

Signal: 1

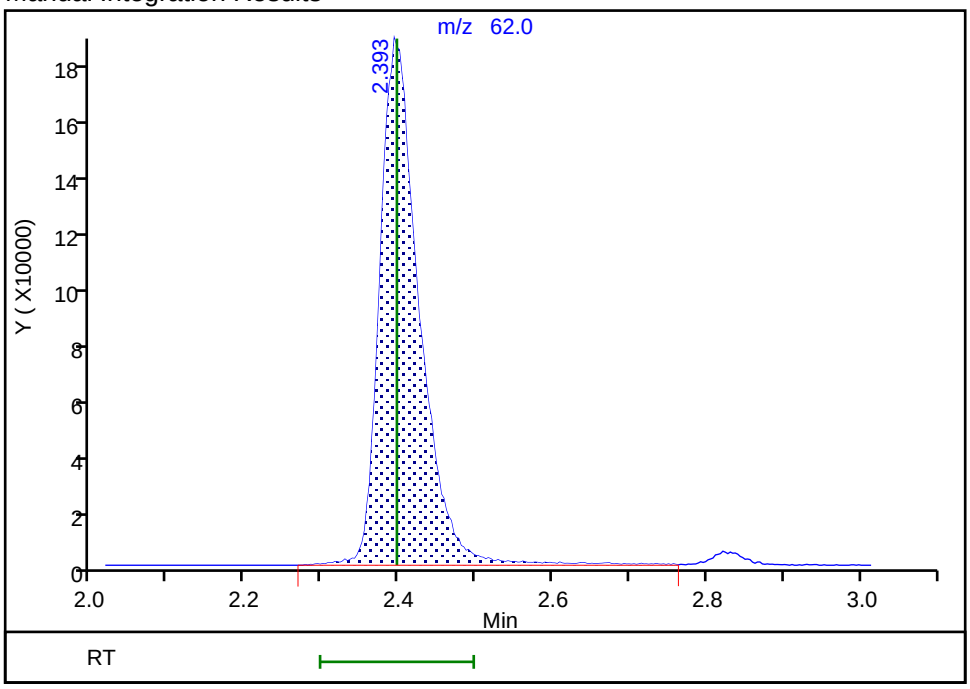
Processing Integration Results

RT: 2.39
Area: 669608
Amount: 105.5997
Amount Units: ug/l



Manual Integration Results

RT: 2.39
Area: 674345
Amount: 108.4423
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:02:35
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

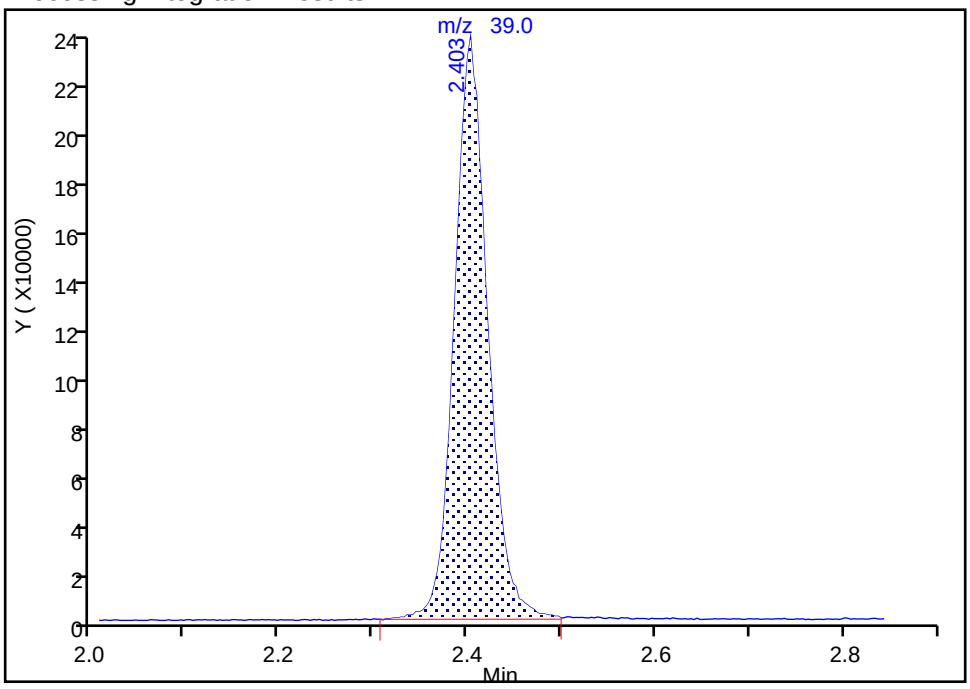
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D
Injection Date: 17-May-2022 13:47:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: CLM27445 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

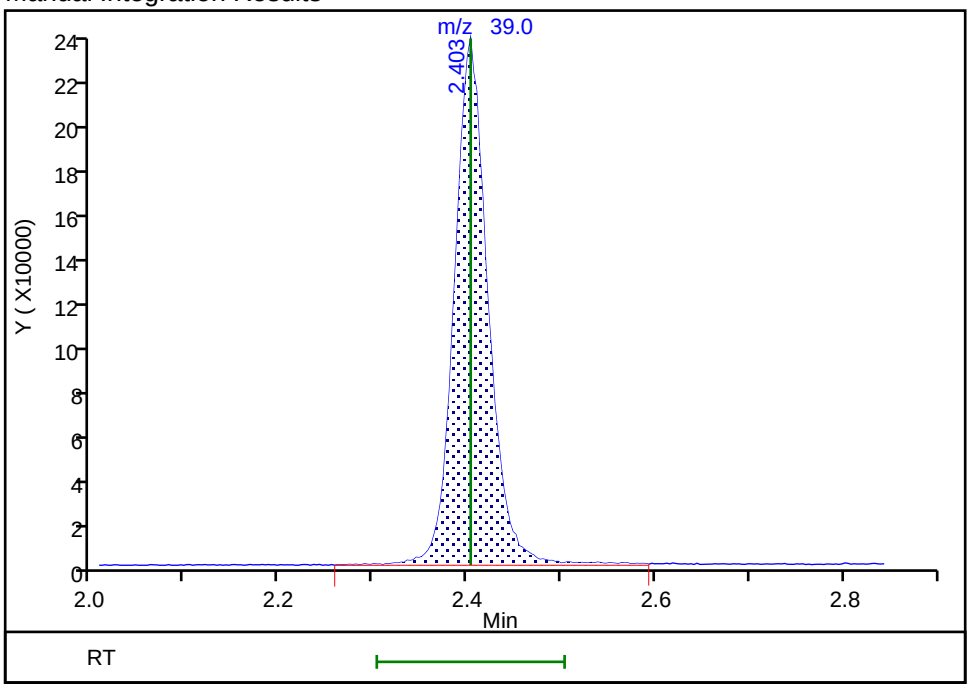
Processing Integration Results

RT: 2.40
Area: 573872
Amount: 93.906676
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 585637
Amount: 97.128070
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:02:58
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

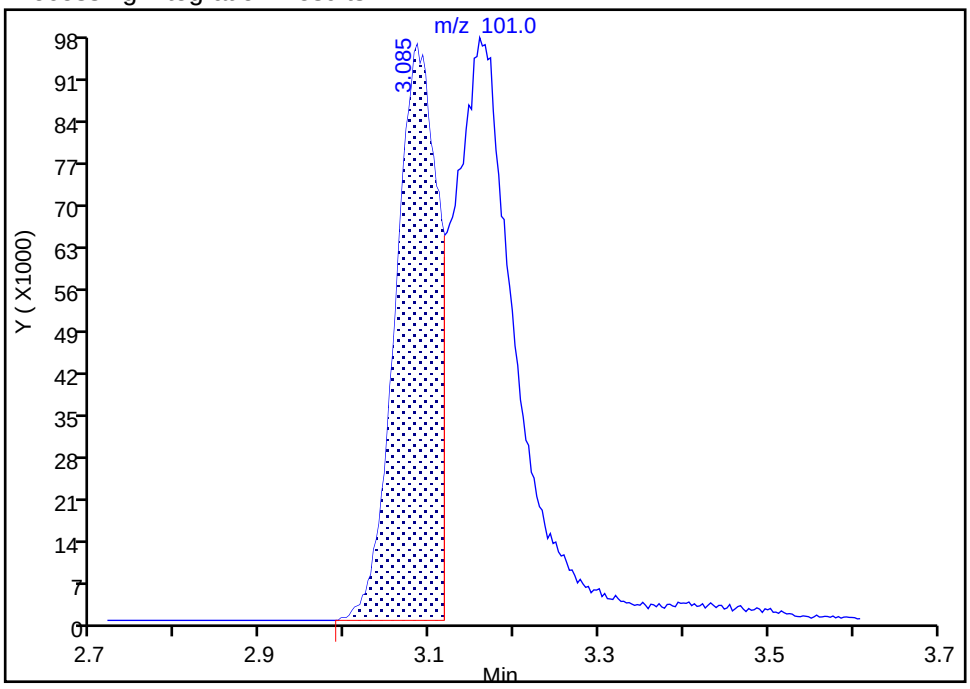
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D				
Injection Date:	17-May-2022 13:47:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

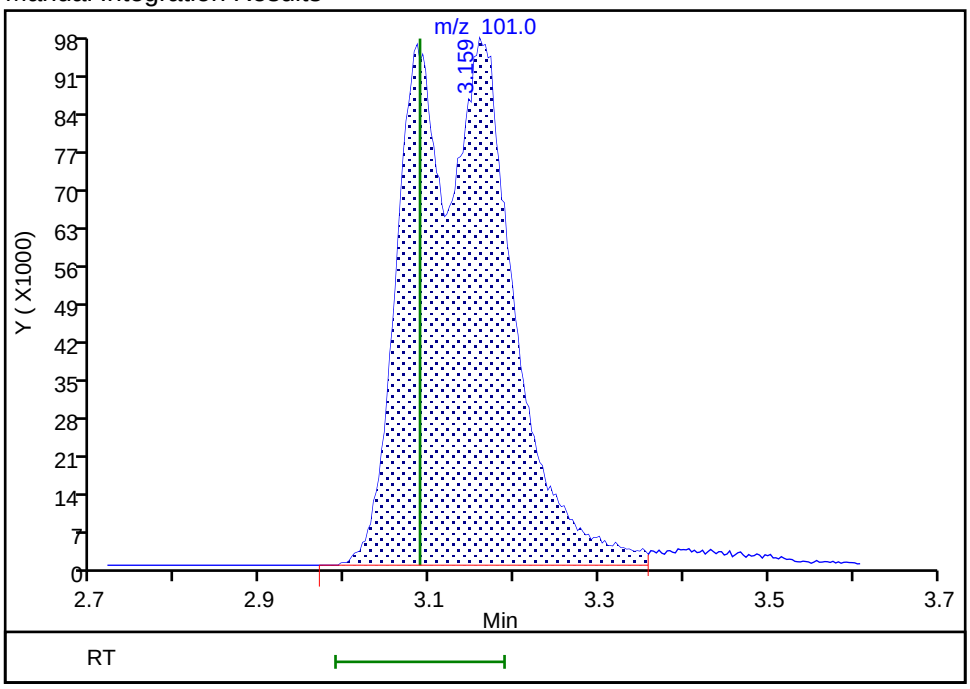
Processing Integration Results

RT: 3.08
Area: 333749
Amount: 50.427725
Amount Units: ug/l



Manual Integration Results

RT: 3.16
Area: 818634
Amount: 108.3531
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:03:20

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

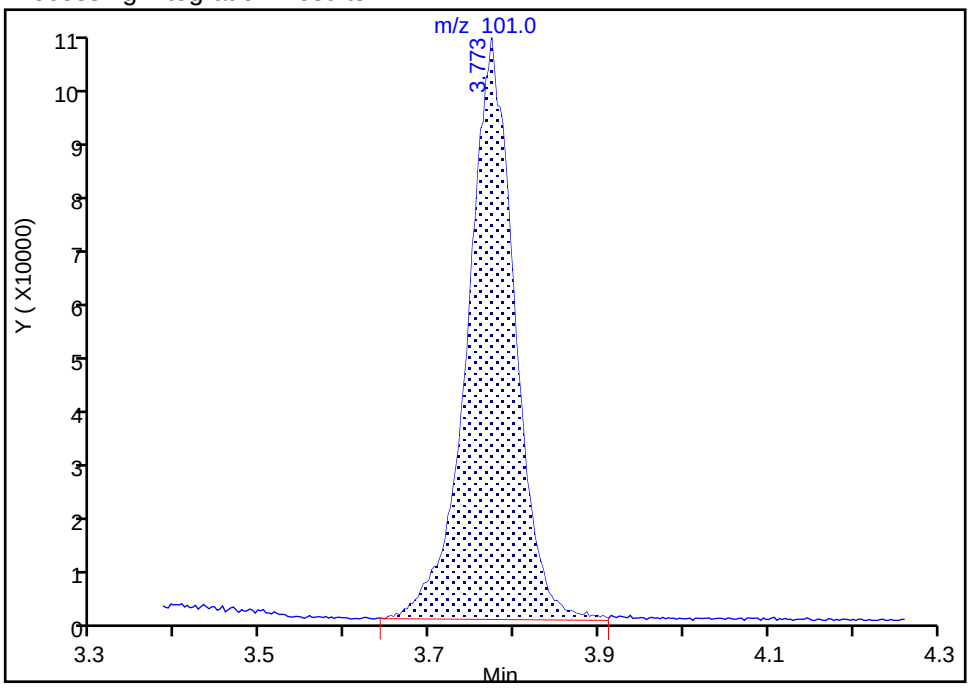
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D				
Injection Date:	17-May-2022 13:47:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 112TCTFE, CAS: 76-13-1

Signal: 1

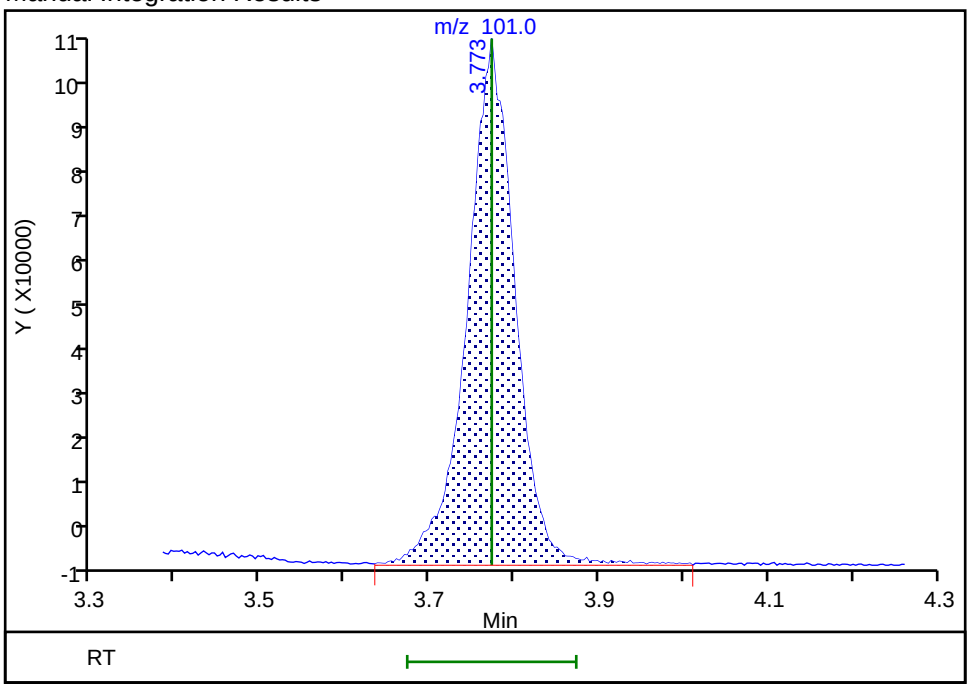
Processing Integration Results

RT: 3.77
Area: 414520
Amount: 103.8837
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 420117
Amount: 103.9255
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:03:40

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

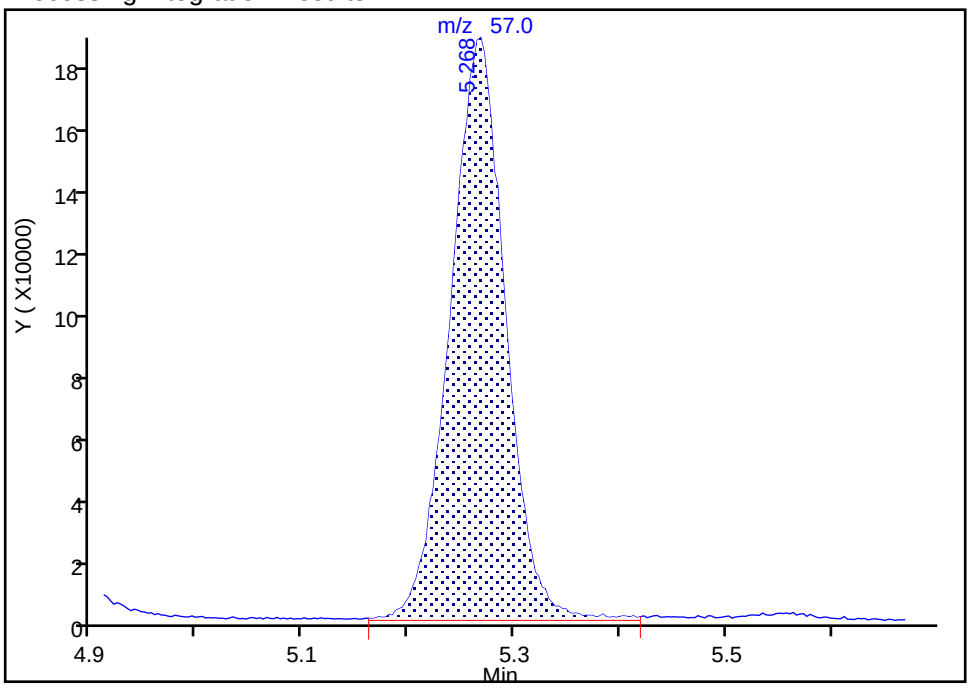
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D				
Injection Date:	17-May-2022 13:47:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Hexane, CAS: 110-54-3

Signal: 1

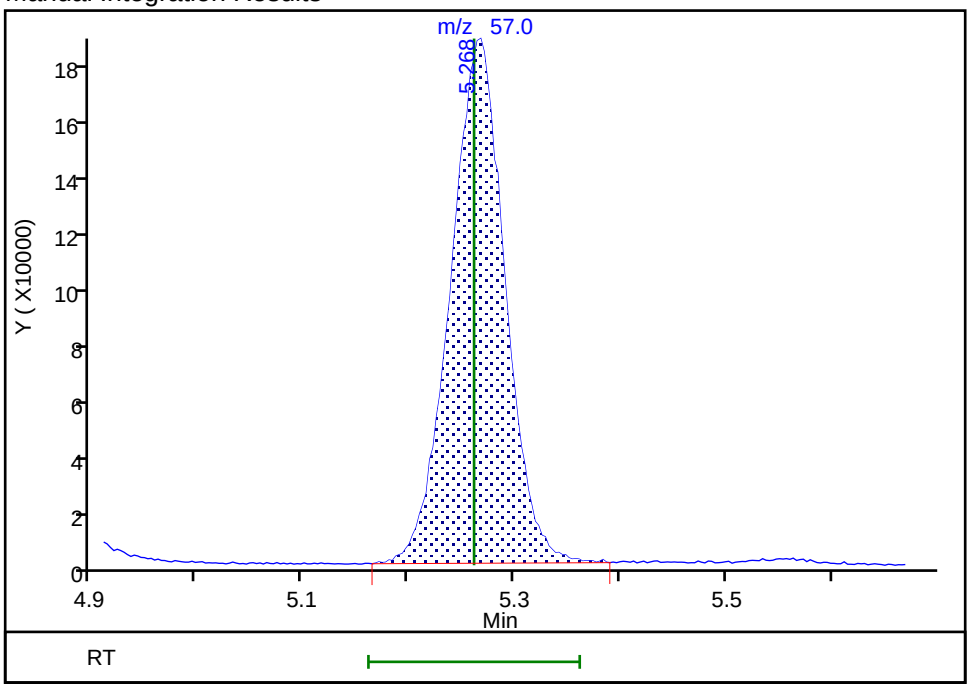
Processing Integration Results

RT: 5.27
Area: 676071
Amount: 132.8067
Amount Units: ug/l



Manual Integration Results

RT: 5.27
Area: 663961
Amount: 111.0222
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:16:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

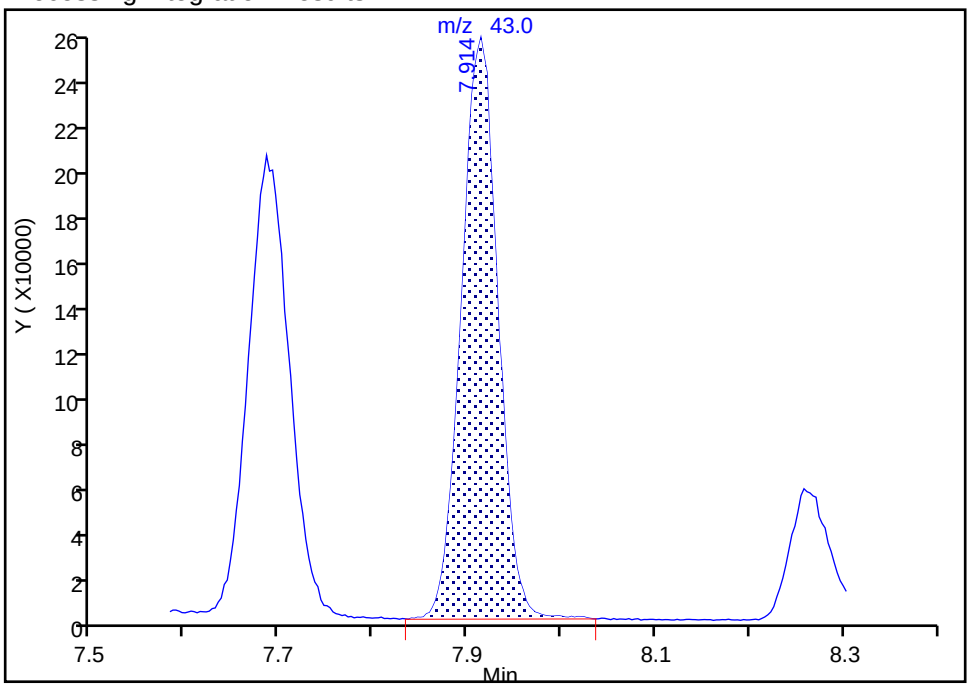
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X16.D
Injection Date: 17-May-2022 13:47:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: CLM27445 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

62 n-Heptane, CAS: 142-82-5

Signal: 1

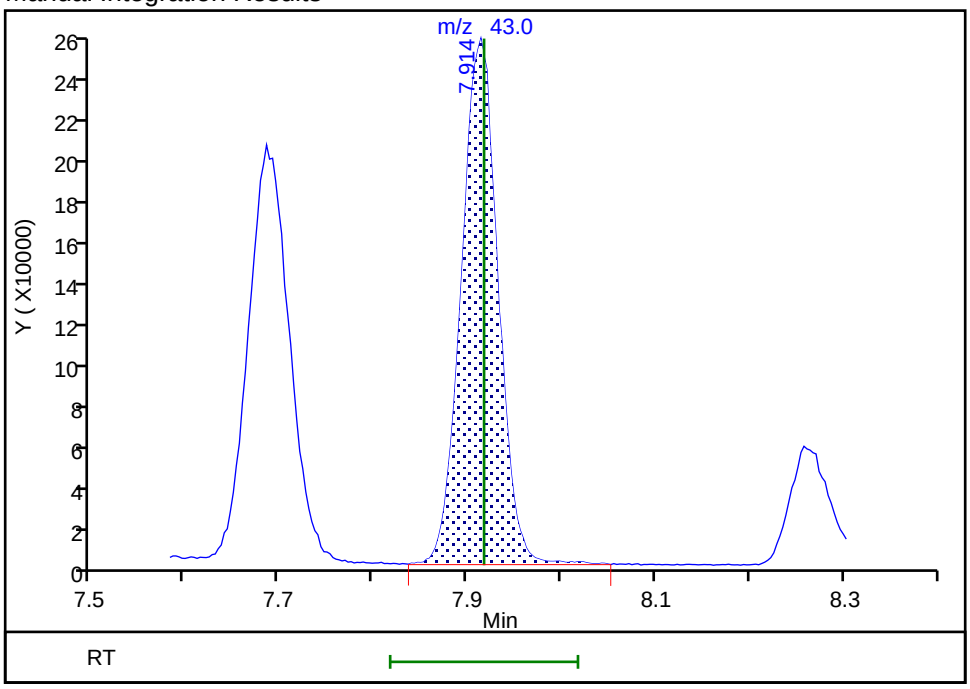
Processing Integration Results

RT: 7.91
Area: 685217
Amount: 129.4009
Amount Units: ug/l



Manual Integration Results

RT: 7.91
Area: 688754
Amount: 106.8380
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:17:19
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-May-2022 14:09:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-017
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub45

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:18:00 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 16:16:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.075	2.072	0.003	99	1583661	300.0	310.1	M
4 Chloromethane	50	2.281	2.275	0.006	99	1849904	300.0	287.2	
6 Vinyl chloride	62	2.400	2.397	0.003	98	1966006	300.0	301.9	
5 Butadiene	39	2.406	2.403	0.003	92	1670876	300.0	264.6	M
8 Bromomethane	94	2.754	2.747	0.007	91	1540467	300.0	303.5	M
9 Chloroethane	64	2.831	2.831	0.000	100	1168866	300.0	302.2	M
10 Dichlorofluoromethane	67	3.088	3.085	0.003	97	2809200	300.0	291.2	
11 Trichlorofluoromethane	101	3.162	3.088	0.074	98	2351396	300.0	297.2	M
12 Pentane	43	3.188	3.188	0.000	98	2088647	300.0	302.6	
14 Ethyl ether	59	3.406	3.406	0.000	91	1190734	300.0	271.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.506	3.493	0.013	93	1689768	300.0	290.7	
16 Acrolein	56	3.583	3.586	-0.003	99	6134735	2999.8	3163.3	
17 1,1-Dichloroethene	96	3.731	3.731	0.000	98	1455778	300.0	312.8	
18 Acetone	58	3.757	3.750	0.007	99	489592	600.0	615.0	
19 112TCTFE	101	3.779	3.773	0.006	94	1290128	300.0	304.8	
20 Iodomethane	142	3.934	3.927	0.007	99	2573399	300.0	317.2	
21 Isopropyl alcohol	45	3.940	3.934	0.006	69	820700	1500.0	1309.2	
22 Carbon disulfide	76	4.040	4.040	0.000	99	4611213	300.0	323.9	
24 Methyl acetate	43	4.197	4.197	0.000	100	1793554	300.0	281.8	
25 3-Chloro-1-propene	41	4.226	4.226	0.000	93	2491301	300.0	303.8	
* 27 t-Butyl alcohol-d10 (IS)	65	4.442	4.426	0.016	54	297602	250.0	250.0	M
26 Methylene Chloride	84	4.426	4.426	0.000	93	1725265	300.0	307.3	
28 2-Methyl-2-propanol	59	4.567	4.564	0.003	99	1506370	1500.0	1300.6	
29 Acrylonitrile	53	4.770	4.766	0.004	98	2339773	750.0	730.3	
31 Methyl tert-butyl ether	73	4.837	4.834	0.003	96	5564521	300.0	297.5	
32 trans-1,2-Dichloroethene	96	4.847	4.844	0.003	98	1705035	300.0	307.4	
33 Hexane	57	5.268	5.262	0.006	93	2012371	300.0	321.3	M
35 1,1-Dichloroethane	63	5.499	5.503	-0.004	96	3043310	300.0	303.0	
36 Isopropyl ether	45	5.561	5.557	0.004	92	5289571	300.0	295.4	
37 2-Chloro-1,3-butadiene	53	5.609	5.612	-0.003	92	2574226	300.0	308.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	6.091	6.088	0.003	98	5373112	300.0	290.8	
S 39 1,2-Dichloroethene, Total	100				0			616.0	
40 2-Butanone (MEK)	43	6.300	6.297	0.003	100	2752052	600.0	613.9	
41 cis-1,2-Dichloroethene	96	6.329	6.323	0.006	83	1872641	300.0	308.6	
42 2,2-Dichloropropane	77	6.348	6.332	0.016	88	2732779	300.0	313.2	
44 Propionitrile	54	6.387	6.384	0.003	99	1922039	1500.0	1443.7	
45 Methacrylonitrile	67	6.606	6.599	0.007	92	2719050	750.0	744.9	
46 Chlorobromomethane	128	6.654	6.651	0.003	94	991621	300.0	310.6	
47 Tetrahydrofuran	71	6.670	6.660	0.010	91	1734306	1500.0	1382.1	
48 Chloroform	83	6.805	6.802	0.003	94	3074801	300.0	302.4	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.020	-0.003	92	320780	50.0	49.9	
50 1,1,1-Trichloroethane	97	7.036	7.027	0.009	99	2697574	300.0	309.9	
51 Cyclohexane	56	7.133	7.127	0.007	95	2481700	300.0	314.1	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	96	2414447	300.0	309.9	
52 Carbon tetrachloride	117	7.242	7.242	0.000	96	2283439	300.0	321.8	
54 Isobutyl alcohol	41	7.397	7.390	0.006	94	1244455	3750.0	3208.9	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.467	0.003	96	75522	50.0	49.4	
56 Benzene	78	7.506	7.506	0.000	96	6901543	300.0	306.3	
57 1,2-Dichloroethane	62	7.577	7.573	0.004	98	2600066	300.0	285.9	
59 Tert-amyl methyl ether	73	7.692	7.686	0.006	98	5379657	300.0	287.9	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	99	1269821	50.0	50.0	
62 n-Heptane	43	7.914	7.917	-0.003	92	2104816	300.0	311.8	
63 n-Butanol	56	8.268	8.265	0.003	89	1101064	3750.0	3772.9	
64 Trichloroethene	95	8.380	8.380	0.000	98	1860710	300.0	312.1	
65 Methylcyclohexane	83	8.689	8.683	0.006	92	2773847	300.0	326.6	
67 1,2-Dichloropropane	63	8.715	8.712	0.003	84	1960294	300.0	316.1	
66 2-ethoxy-2-methyl butane	87	8.718	8.715	0.003	92	2876465	300.0	310.8	
68 Methyl methacrylate	69	8.792	8.789	0.003	90	1791108	300.0	302.4	
69 1,4-Dioxane	88	8.802	8.795	0.007	52	337972	3750.0	3570.2	M
70 Dibromomethane	93	8.821	8.821	0.000	94	1322359	300.0	302.6	
72 Dichlorobromomethane	83	9.056	9.052	0.004	99	2429509	300.0	311.8	
73 2-Nitropropane	41	9.326	9.323	0.003	98	4130471	1500.0	1457.7	
74 2-Chloroethyl vinyl ether	63	9.409	9.403	0.006	92	1556537	300.0	292.9	
75 cis-1,3-Dichloropropene	75	9.589	9.586	0.003	95	3232548	300.0	316.8	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	98	5927799	600.0	627.7	
$ 78 Toluene-d8 (Surr)	98	9.892	9.888	0.004	94	1292120	50.0	48.3	
79 Toluene	92	9.962	9.962	0.000	98	4567891	300.0	311.8	
S 83 1,3-Dichloropropene, Total	100				0			630.1	
84 trans-1,3-Dichloropropene	75	10.213	10.210	0.003	94	3136046	300.0	313.2	
85 Ethyl methacrylate	69	10.268	10.265	0.003	89	3138463	300.0	299.1	
86 1,1,2-Trichloroethane	97	10.412	10.413	-0.001	91	1787025	300.0	295.4	
87 Tetrachloroethene	166	10.502	10.499	0.003	94	1794713	300.0	312.2	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	91	3039647	300.0	292.3	
90 2-Hexanone	43	10.621	10.618	0.003	97	4350553	600.0	612.6	
92 Chlorodibromomethane	129	10.785	10.782	0.003	90	2097587	300.0	319.3	
93 Ethylene Dibromide	107	10.895	10.895	0.000	98	1996735	300.0	299.7	
S 94 Xylenes, Total	106				0			964.3	
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	998570	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	2511106	300.0	302.9	
97 Chlorobenzene	112	11.348	11.345	0.003	94	5295804	300.0	307.4	
98 1,1,1,2-Tetrachloroethane	131	11.429	11.425	0.003	96	1949735	300.0	328.8	
99 Ethylbenzene	91	11.432	11.432	0.000	98	9236373	300.0	316.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	99	7283453	600.0	642.9	
101 o-Xylene	106	11.872	11.872	0.000	97	3667748	300.0	321.4	
102 Styrene	104	11.885	11.885	0.000	94	6318774	300.0	325.1	
103 Bromoform	173	12.043	12.043	0.000	94	1539882	300.0	328.0	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	8956700	300.0	314.3	
106 Cyclohexanone	55	12.248	12.245	0.003	94	1663735	3750.0	3522.9	
$ 107 4-Bromofluorobenzene (Surr)	95	12.309	12.310	-0.001	86	491362	50.0	48.9	
108 1,1,2,2-Tetrachloroethane	83	12.412	12.409	0.003	94	3054312	300.0	288.5	
109 Bromobenzene	156	12.432	12.429	0.003	98	2309989	300.0	313.2	
110 trans-1,4-Dichloro-2-butene	53	12.438	12.435	0.003	88	2642075	750.0	761.9	
111 1,2,3-Trichloropropane	110	12.457	12.457	0.000	84	900166	300.0	282.2	
112 N-Propylbenzene	91	12.496	12.496	0.000	98	10451816	300.0	303.2	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	2141957	300.0	306.2	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	95	7847789	300.0	315.6	
115 4-Chlorotoluene	126	12.666	12.663	0.003	98	2256742	300.0	307.9	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	1558104	300.0	327.6	
119 1,2,4-Trimethylbenzene	105	12.914	12.911	0.003	98	8145015	300.0	313.9	
120 sec-Butylbenzene	105	13.033	13.033	0.000	95	9275276	300.0	311.5	
121 1,3-Dichlorobenzene	146	13.136	13.133	0.003	97	4547698	300.0	320.5	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	96	8697018	300.0	326.5	
* 123 1,4-Dichlorobenzene-d4	152	13.190	13.187	0.003	90	542534	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	93	4603603	300.0	308.5	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	99	8686166	300.0	320.1	
126 Benzyl chloride	91	13.284	13.281	0.003	99	6776028	300.0	314.3	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	94	5102091	300.0	318.6	
128 p-Diethylbenzene	119	13.409	13.409	0.000	93	5345571	300.0	316.0	
129 n-Butylbenzene	92	13.432	13.428	0.004	98	4310862	300.0	312.2	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	4413024	300.0	308.4	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	4390981	300.0	325.4	
133 1,2-Dibromo-3-Chloropropane	75	14.007	14.007	0.000	83	778020	300.0	289.4	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.004	97	2966570	300.0	296.0	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	2821177	300.0	285.1	
136 Hexachlorobutadiene	225	14.637	14.637	0.000	97	1036925	300.0	271.8	
137 Naphthalene	128	14.737	14.737	0.000	97	9929582	300.0	273.6	
138 1,2,3-Trichlorobenzene	180	14.882	14.879	0.003	96	2669950	300.0	276.5	
139 2-Methylnaphthalene	142	15.522	15.518	0.004	91	5541574	300.0	285.5	
S 145 Total Diethylbenzene	1				0			960.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00067	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00001	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00068	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00064	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_00194	Amount Added:	7.50	Units: uL	
MSV_HP23_ISSS_00007	Amount Added:	1.00	Units: uL	Run Reagent

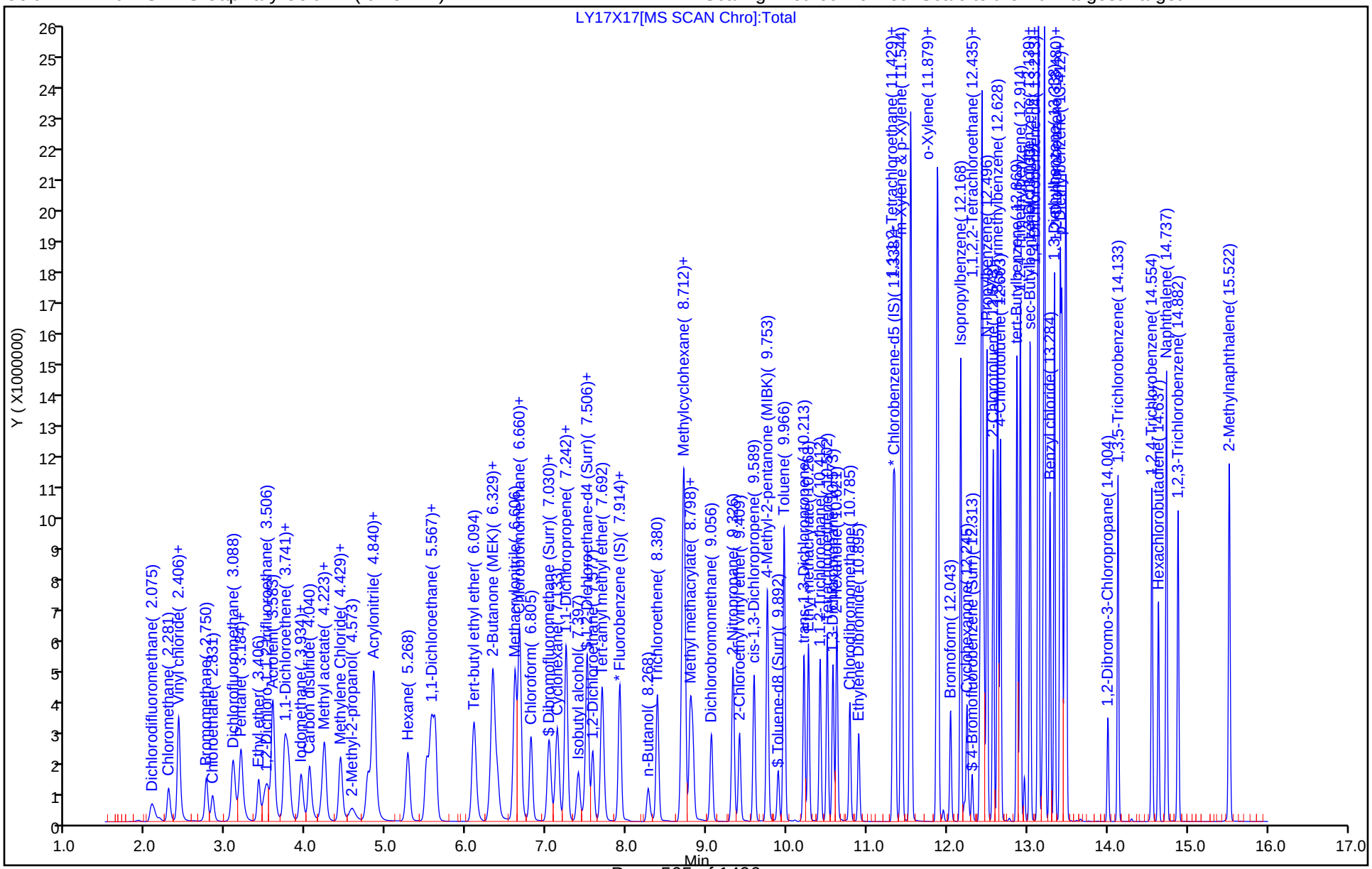
Report Date: 17-May-2022 19:18:01 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D

Injection Date:	17-May-2022 14:09:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	IC v300			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

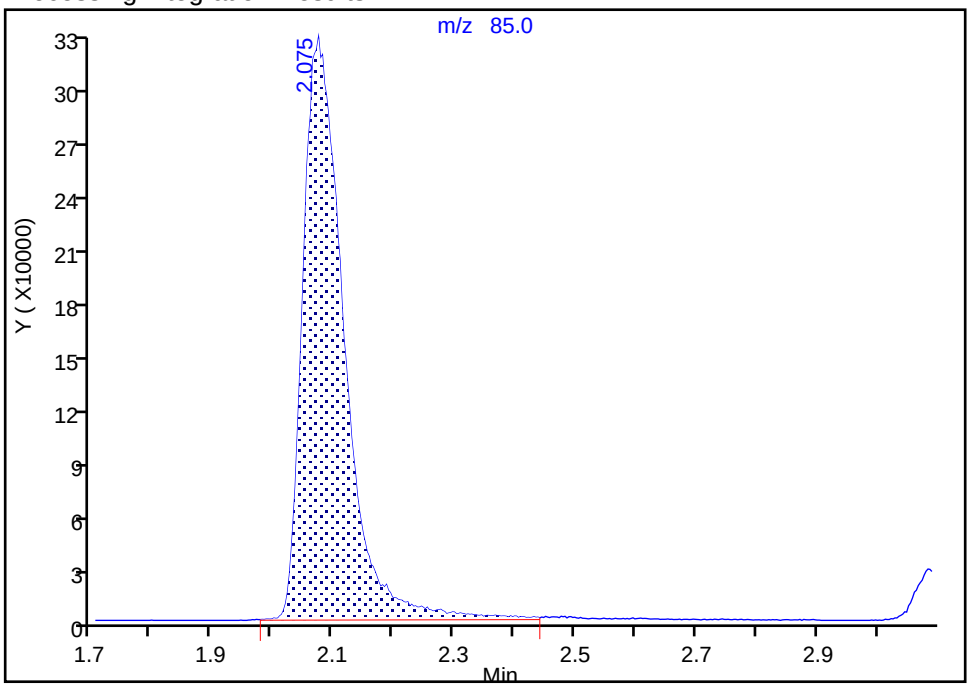
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

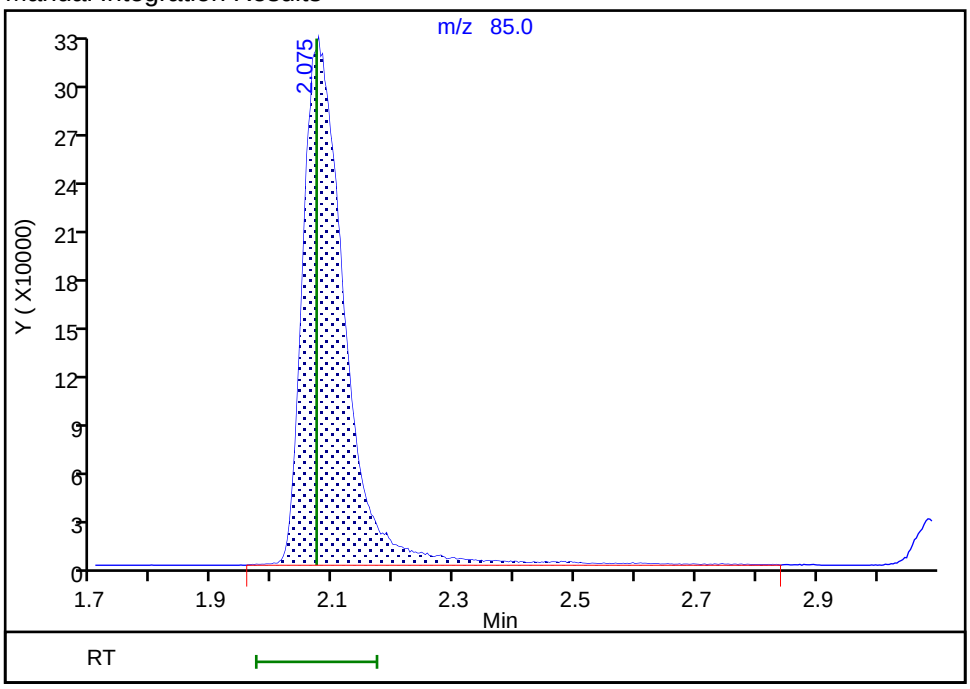
Processing Integration Results

RT: 2.08
Area: 1555260
Amount: 303.2136
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 1583661
Amount: 310.1223
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:04:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

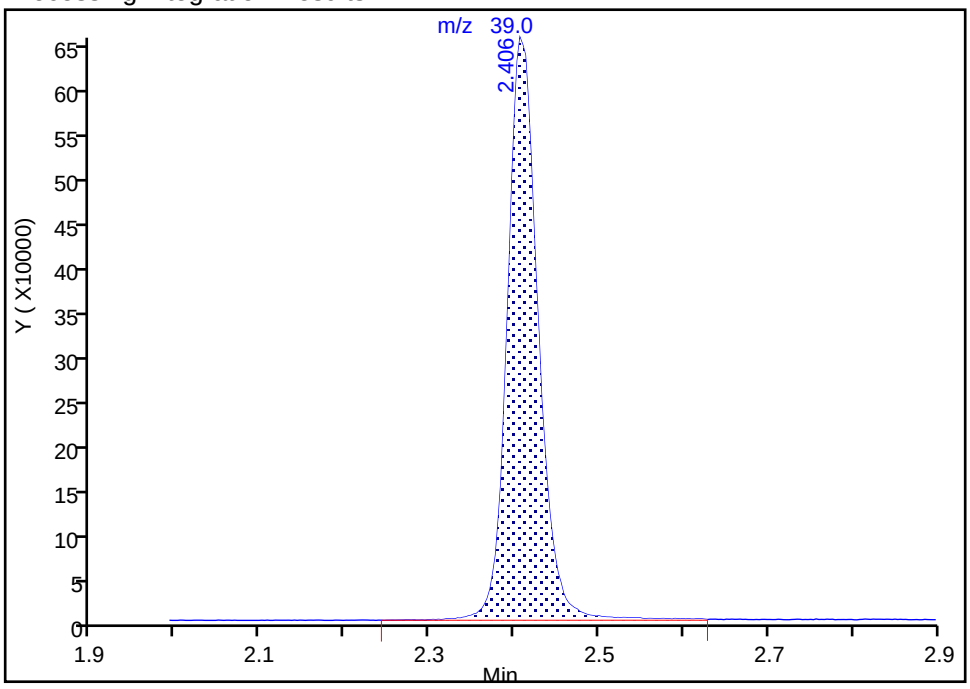
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

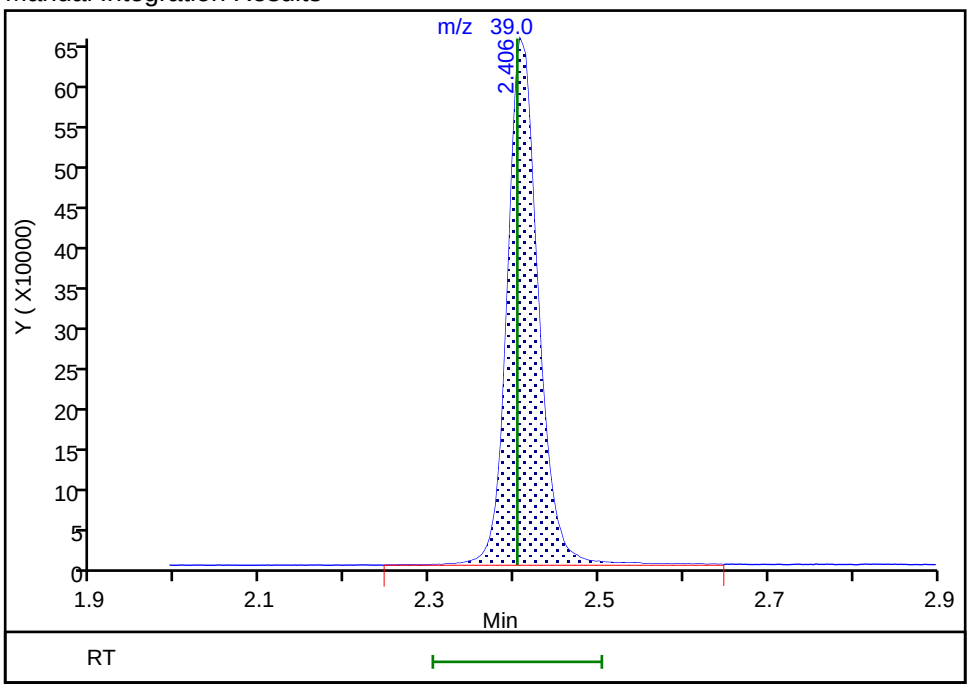
Processing Integration Results

RT: 2.41
Area: 1665833
Amount: 259.6065
Amount Units: ug/l



Manual Integration Results

RT: 2.41
Area: 1670876
Amount: 264.6403
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:05:08
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

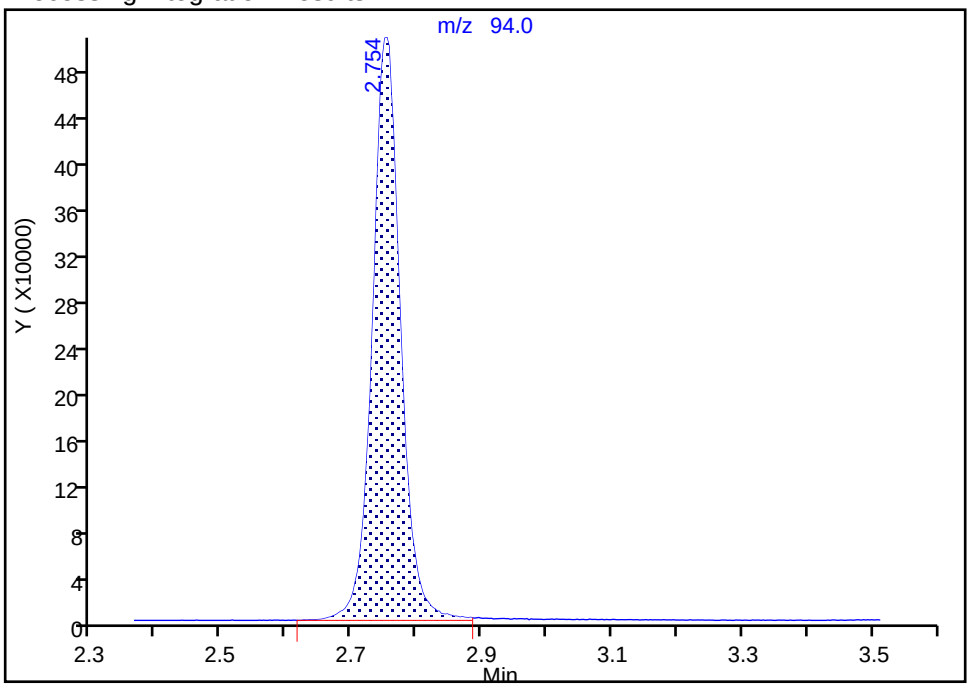
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

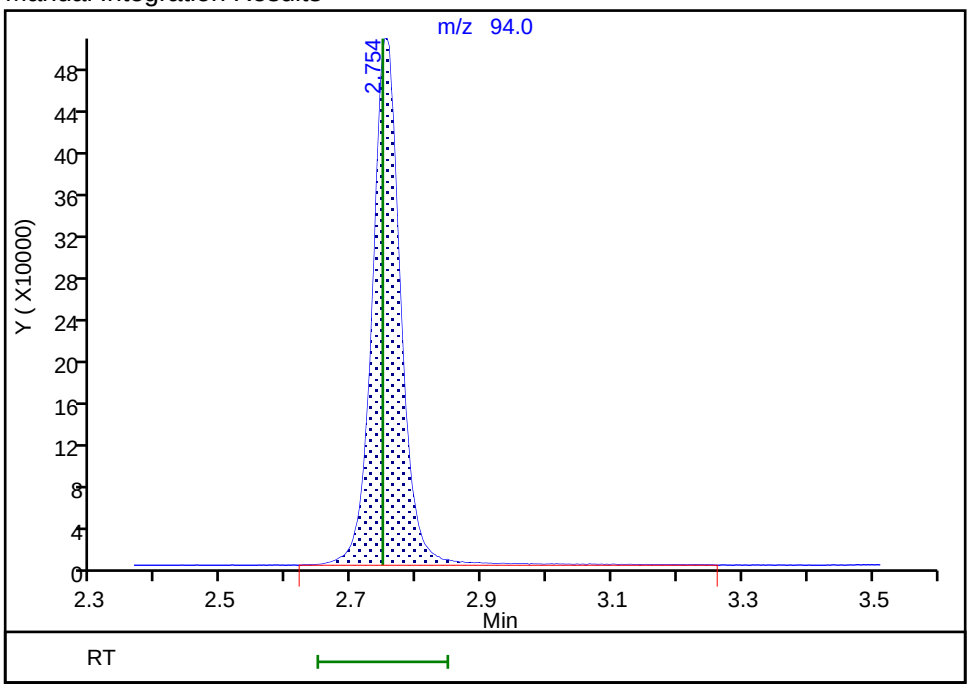
Processing Integration Results

RT: 2.75
Area: 1521591
Amount: 294.1753
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 1540467
Amount: 303.4757
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:05:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

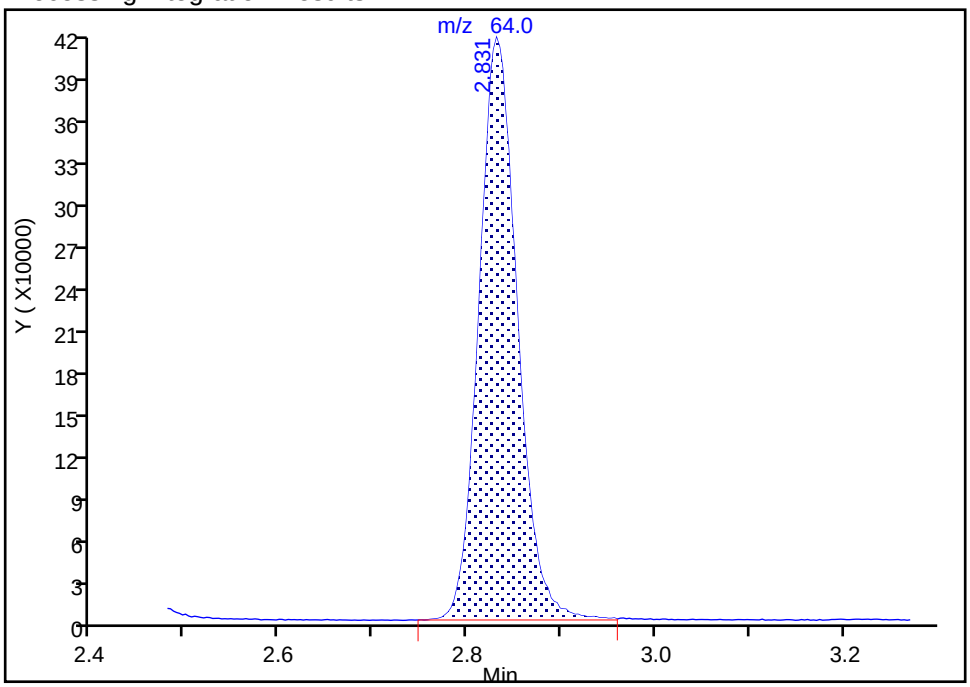
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Signal: 1

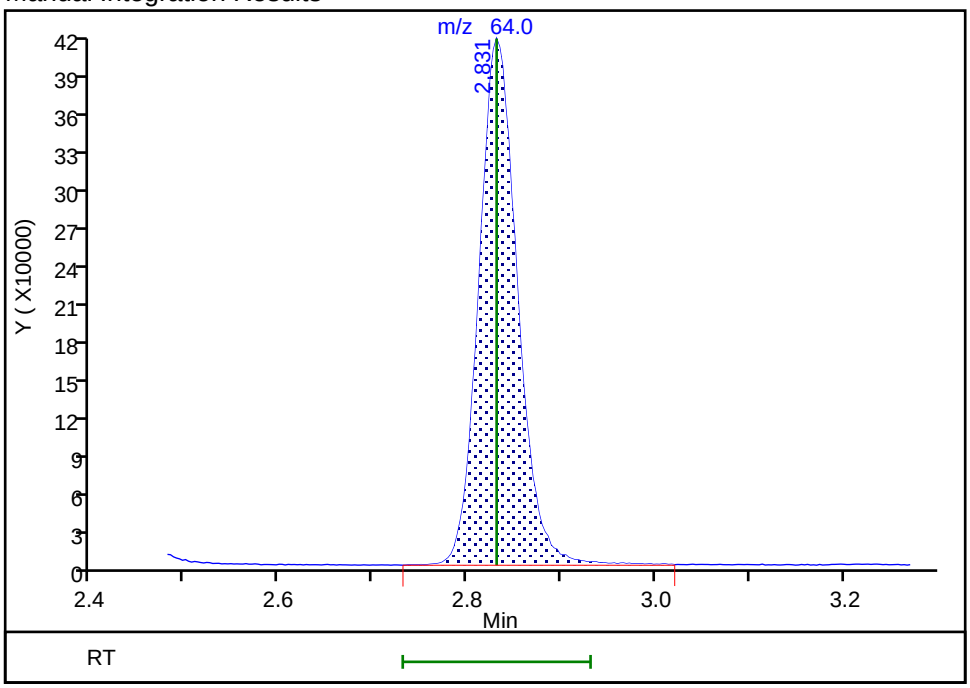
Processing Integration Results

RT: 2.83
Area: 1161125
Amount: 295.8889
Amount Units: ug/l



Manual Integration Results

RT: 2.83
Area: 1168866
Amount: 302.1587
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:05:52
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

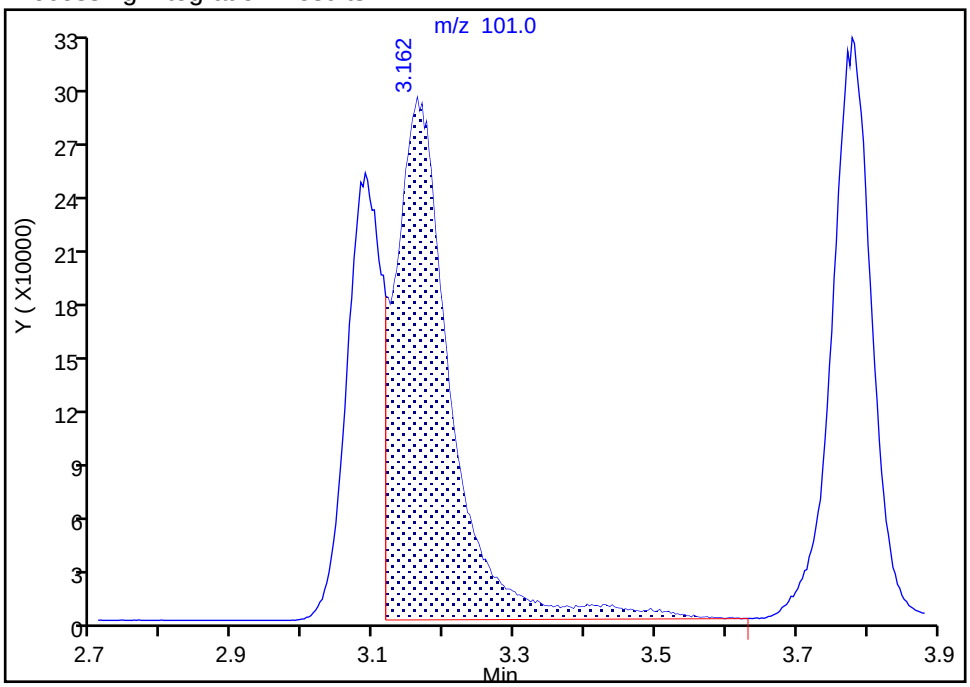
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

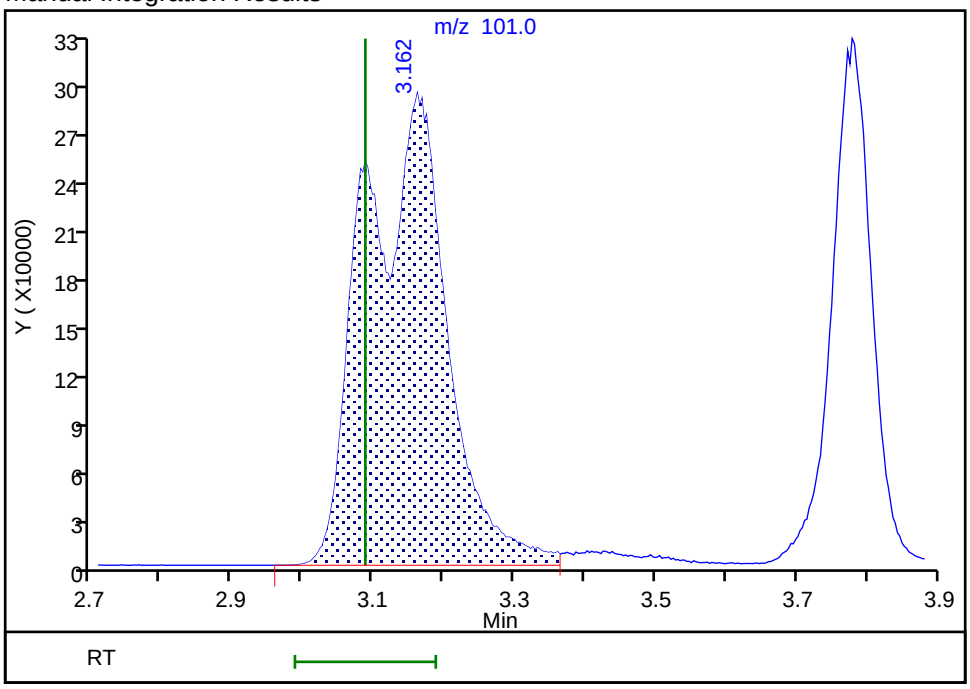
Processing Integration Results

RT: 3.16
Area: 1595639
Amount: 208.4251
Amount Units: ug/l



Manual Integration Results

RT: 3.16
Area: 2351396
Amount: 297.2163
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:07:35
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

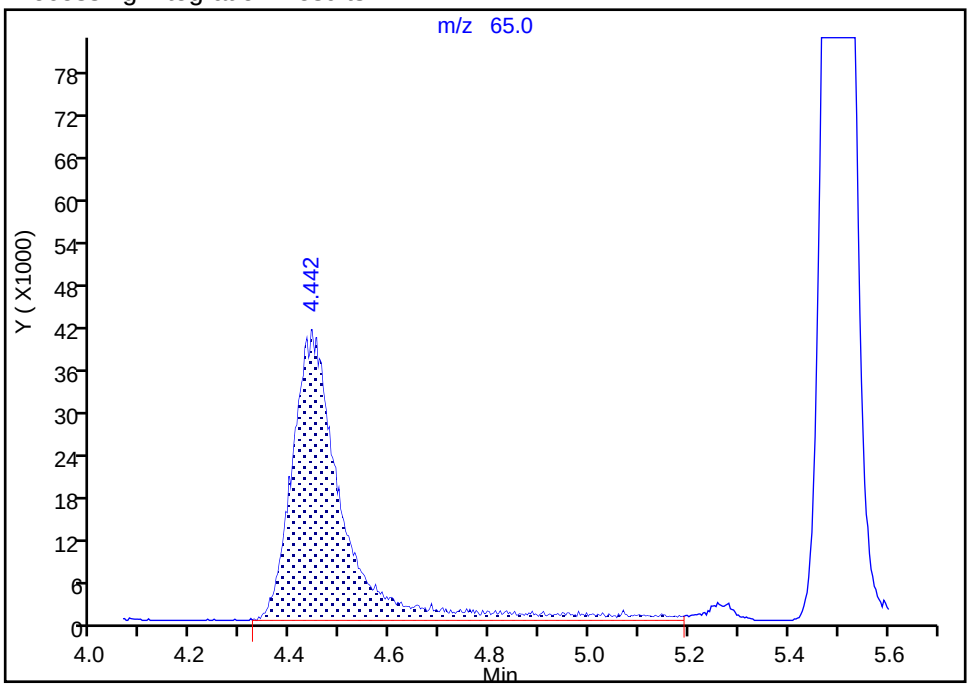
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

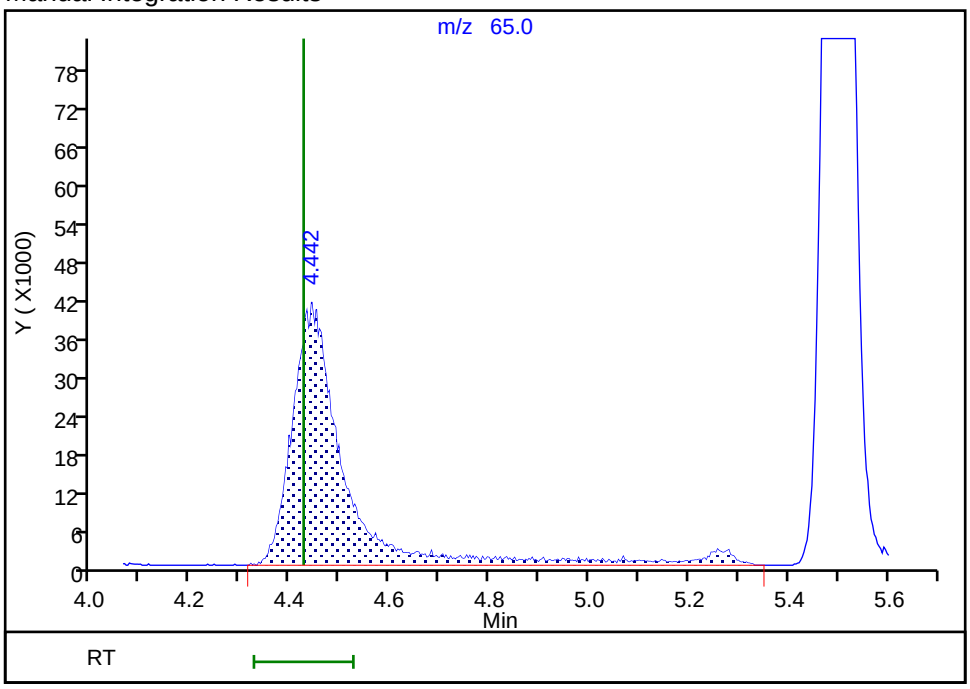
Processing Integration Results

RT: 4.44
Area: 287816
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.44
Area: 297602
Amount: 250.0000
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:07:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

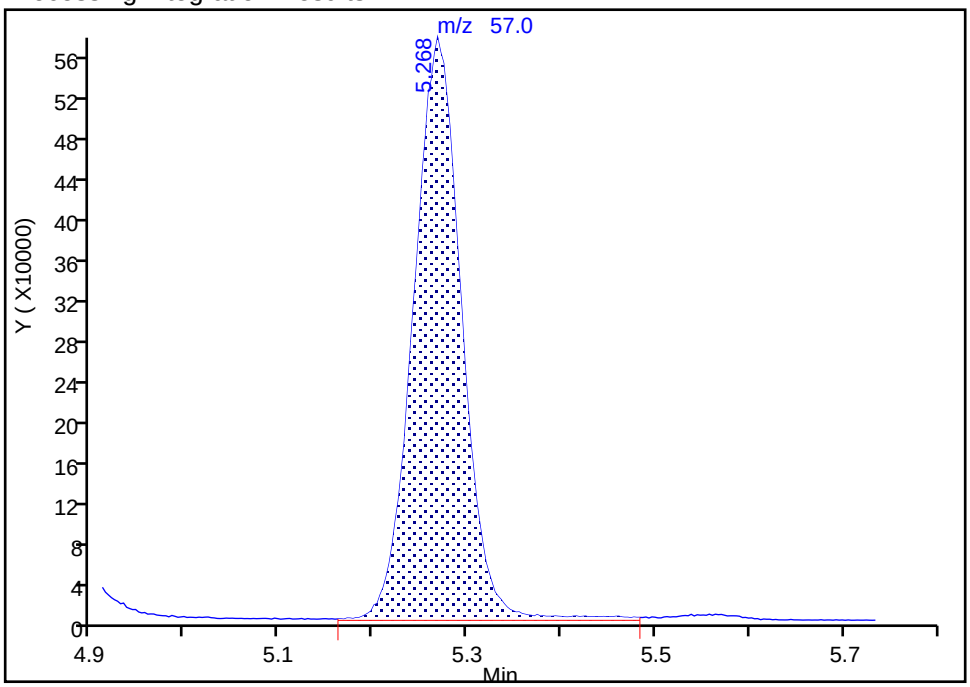
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 Hexane, CAS: 110-54-3

Signal: 1

Processing Integration Results

RT: 5.27
Area: 2044094
Amount: 382.3800
Amount Units: ug/l



Manual Integration Results

RT: 5.27
Area: 2012371
Amount: 321.3444
Amount Units: ug/l

Reviewer: campbellme, 17-May-2022 16:16:12
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

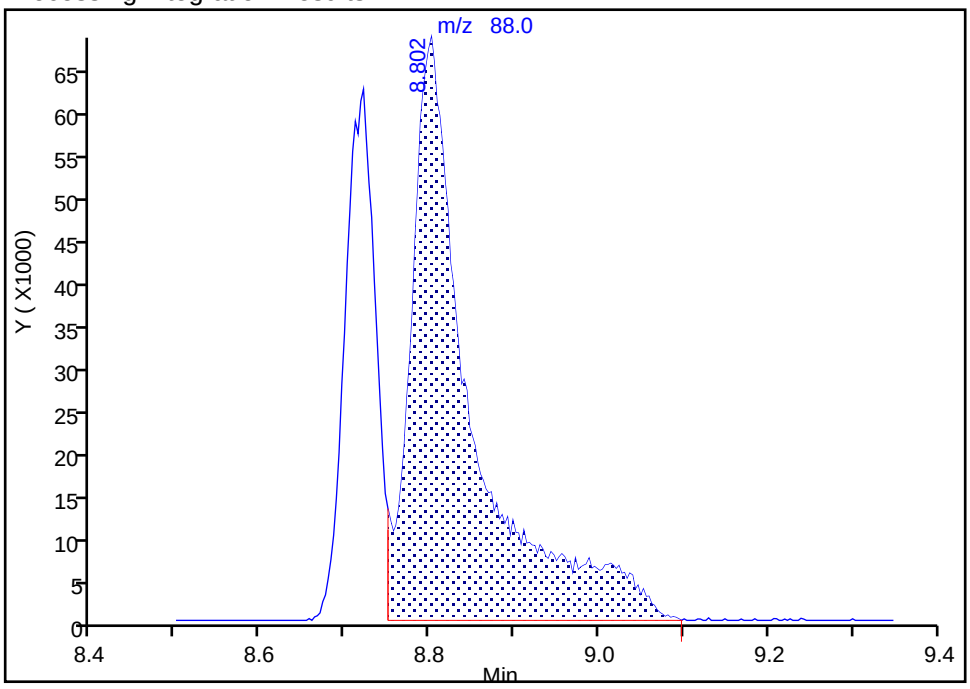
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X17.D
Injection Date: 17-May-2022 14:09:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: CLM27445 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

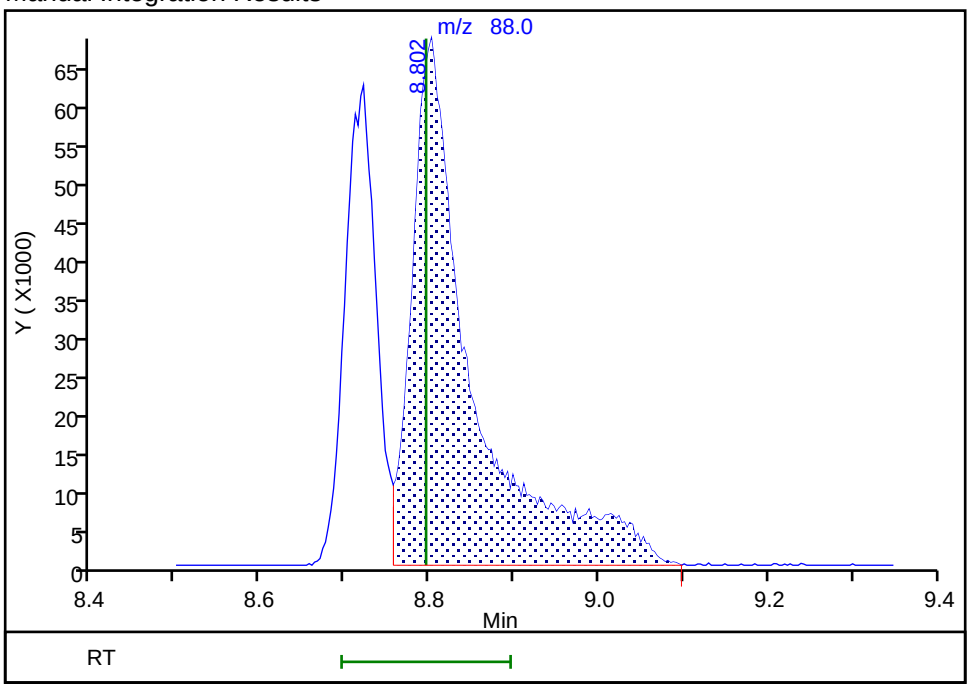
Processing Integration Results

RT: 8.80
Area: 342728
Amount: 3771.3452
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 337972
Amount: 3570.1594
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 16:09:12
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

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

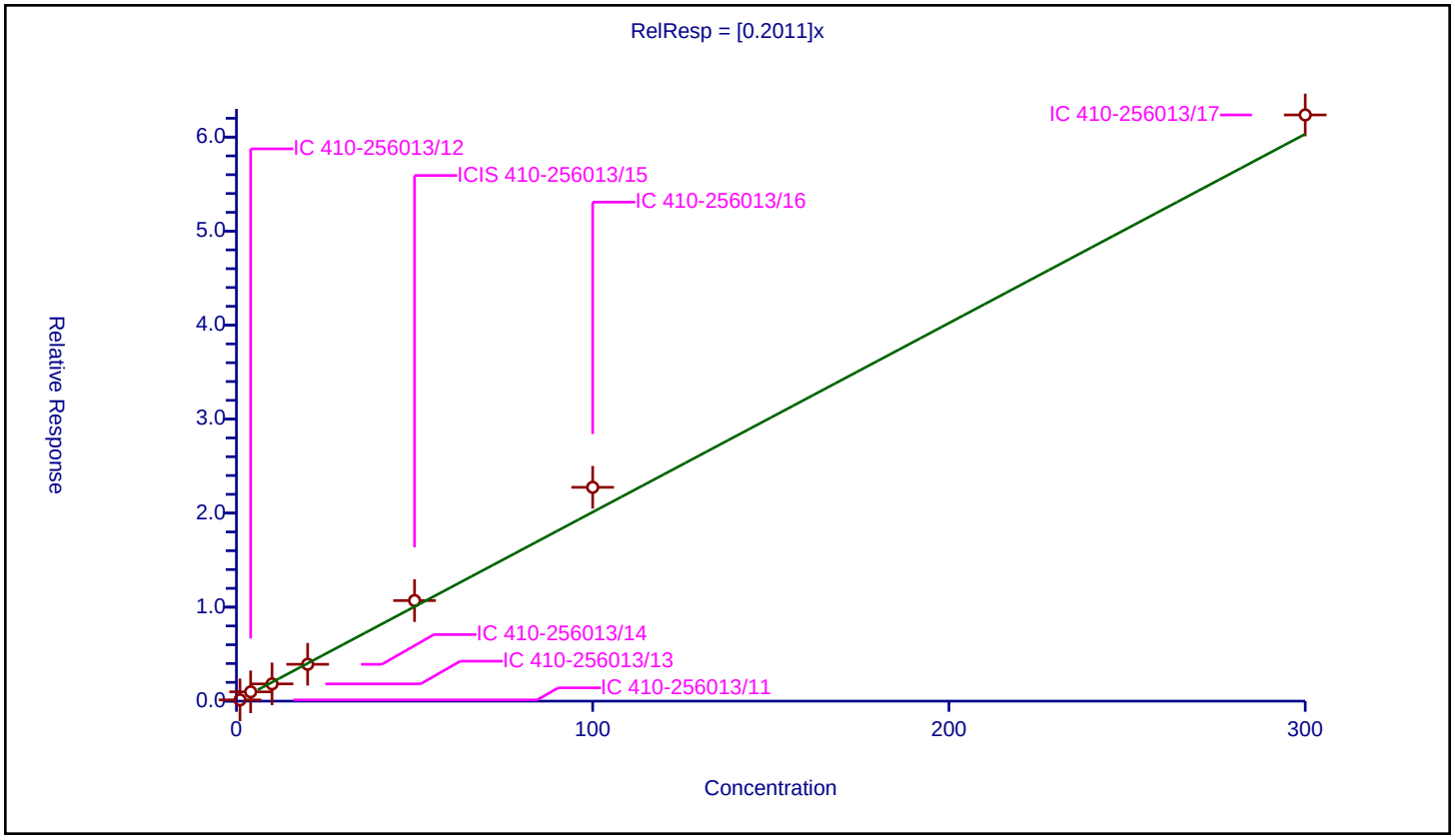
Curve Coefficients

Intercept:	0
Slope:	0.2011

Error Coefficients

Standard Error:	694000
Relative Standard Error:	18.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.131536	50.0	1149493.0	0.131536	Y
2	IC 410-256013/12	4.0	0.988845	50.0	1122269.0	0.247211	Y
3	IC 410-256013/13	10.0	1.835397	50.0	1097610.0	0.18354	Y
4	IC 410-256013/14	20.0	3.918381	50.0	1139999.0	0.195919	Y
5	ICIS 410-256013/15	50.0	10.700015	50.0	1188475.0	0.214	Y
6	IC 410-256013/16	100.0	22.745508	50.0	1212657.0	0.227455	Y
7	IC 410-256013/17	300.0	62.357647	50.0	1269821.0	0.207859	Y



Calibration / Chloromethane

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

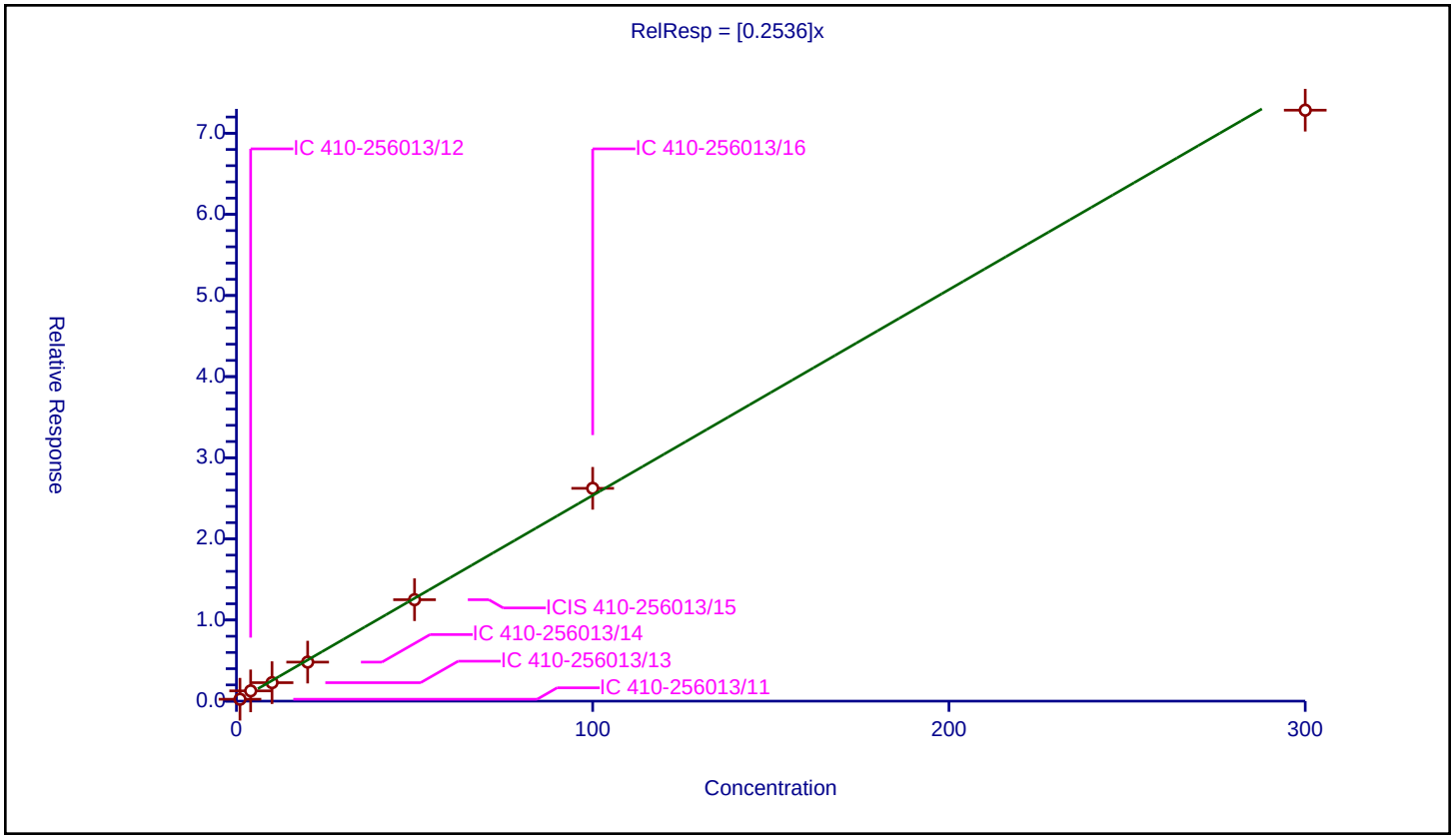
Curve Coefficients

Intercept:	0
Slope:	0.2536

Error Coefficients

Standard Error:	809000
Relative Standard Error:	11.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.235495	50.0	1149493.0	0.235495	Y
2	IC 410-256013/12	4.0	1.266007	50.0	1122269.0	0.316502	Y
3	IC 410-256013/13	10.0	2.276355	50.0	1097610.0	0.227635	Y
4	IC 410-256013/14	20.0	4.810574	50.0	1139999.0	0.240529	Y
5	ICIS 410-256013/15	50.0	12.50182	50.0	1188475.0	0.250036	Y
6	IC 410-256013/16	100.0	26.230377	50.0	1212657.0	0.262304	Y
7	IC 410-256013/17	300.0	72.841133	50.0	1269821.0	0.242804	Y



Calibration / Vinyl chloride

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

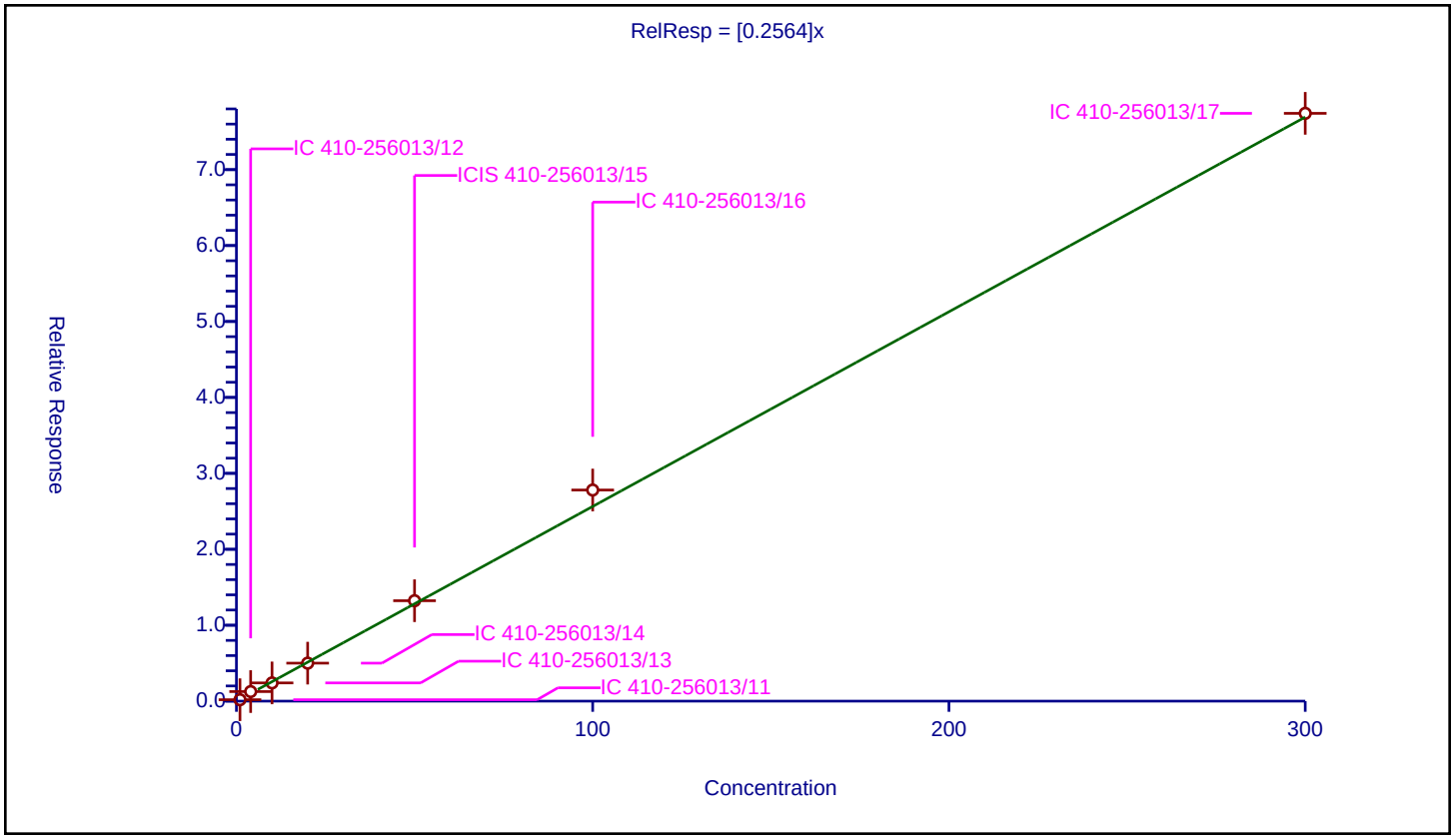
Curve Coefficients

Intercept:	0
Slope:	0.2564

Error Coefficients

Standard Error:	860000
Relative Standard Error:	14.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.188909	50.0	1149493.0	0.188909	Y
2	IC 410-256013/12	4.0	1.259368	50.0	1122269.0	0.314842	Y
3	IC 410-256013/13	10.0	2.402402	50.0	1097610.0	0.24024	Y
4	IC 410-256013/14	20.0	5.003206	50.0	1139999.0	0.25016	Y
5	ICIS 410-256013/15	50.0	13.227497	50.0	1188475.0	0.26455	Y
6	IC 410-256013/16	100.0	27.804441	50.0	1212657.0	0.278044	Y
7	IC 410-256013/17	300.0	77.412722	50.0	1269821.0	0.258042	Y



Calibration / Butadiene

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

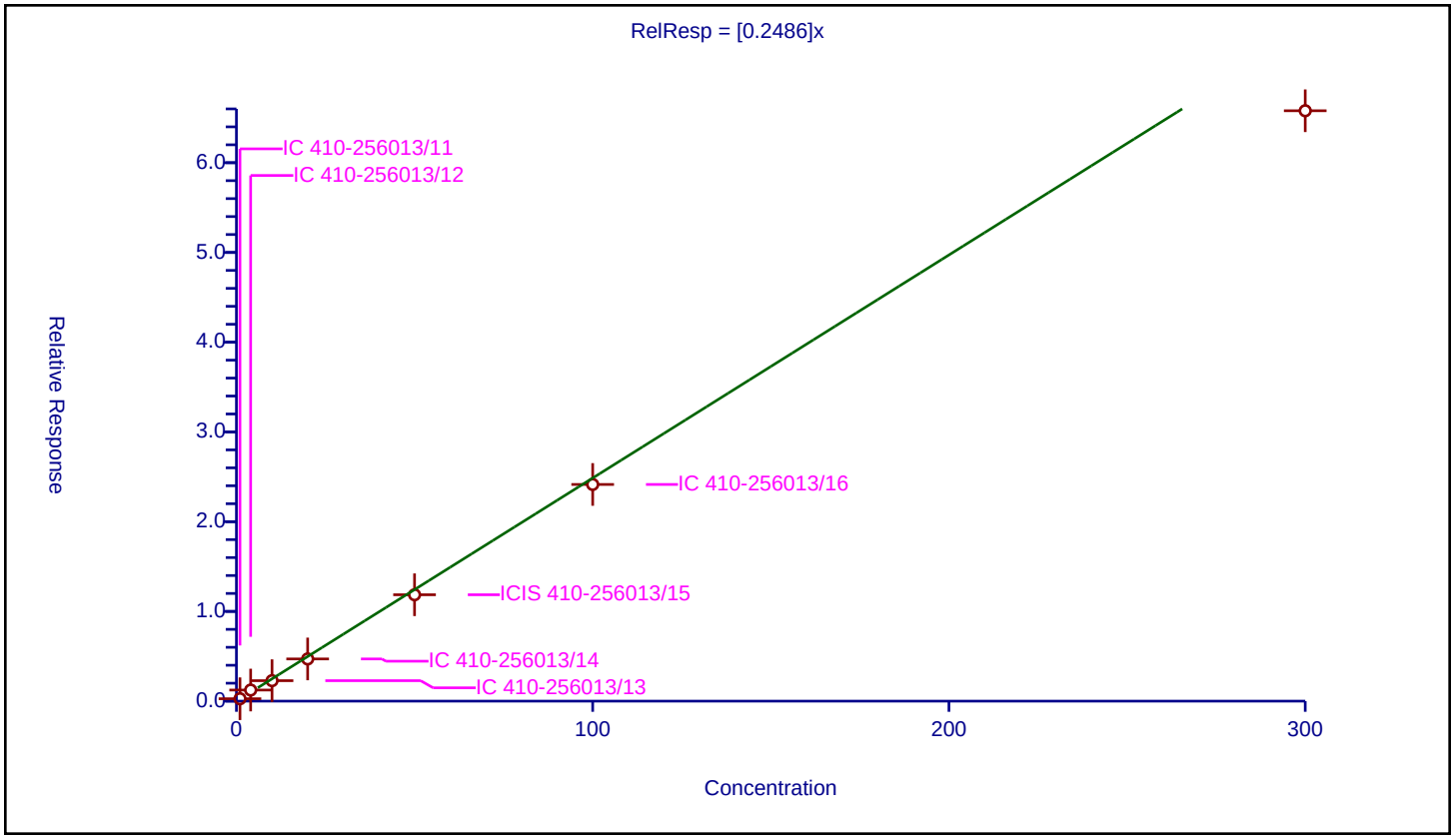
Curve Coefficients

Intercept:	0
Slope:	0.2486

Error Coefficients

Standard Error:	734000
Relative Standard Error:	12.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.269858	50.0	1149493.0	0.269858	Y
2	IC 410-256013/12	4.0	1.237226	50.0	1122269.0	0.309306	Y
3	IC 410-256013/13	10.0	2.281047	50.0	1097610.0	0.228105	Y
4	IC 410-256013/14	20.0	4.701583	50.0	1139999.0	0.235079	Y
5	ICIS 410-256013/15	50.0	11.856791	50.0	1188475.0	0.237136	Y
6	IC 410-256013/16	100.0	24.146853	50.0	1212657.0	0.241469	Y
7	IC 410-256013/17	300.0	65.791793	50.0	1269821.0	0.219306	Y



Calibration / Bromomethane

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

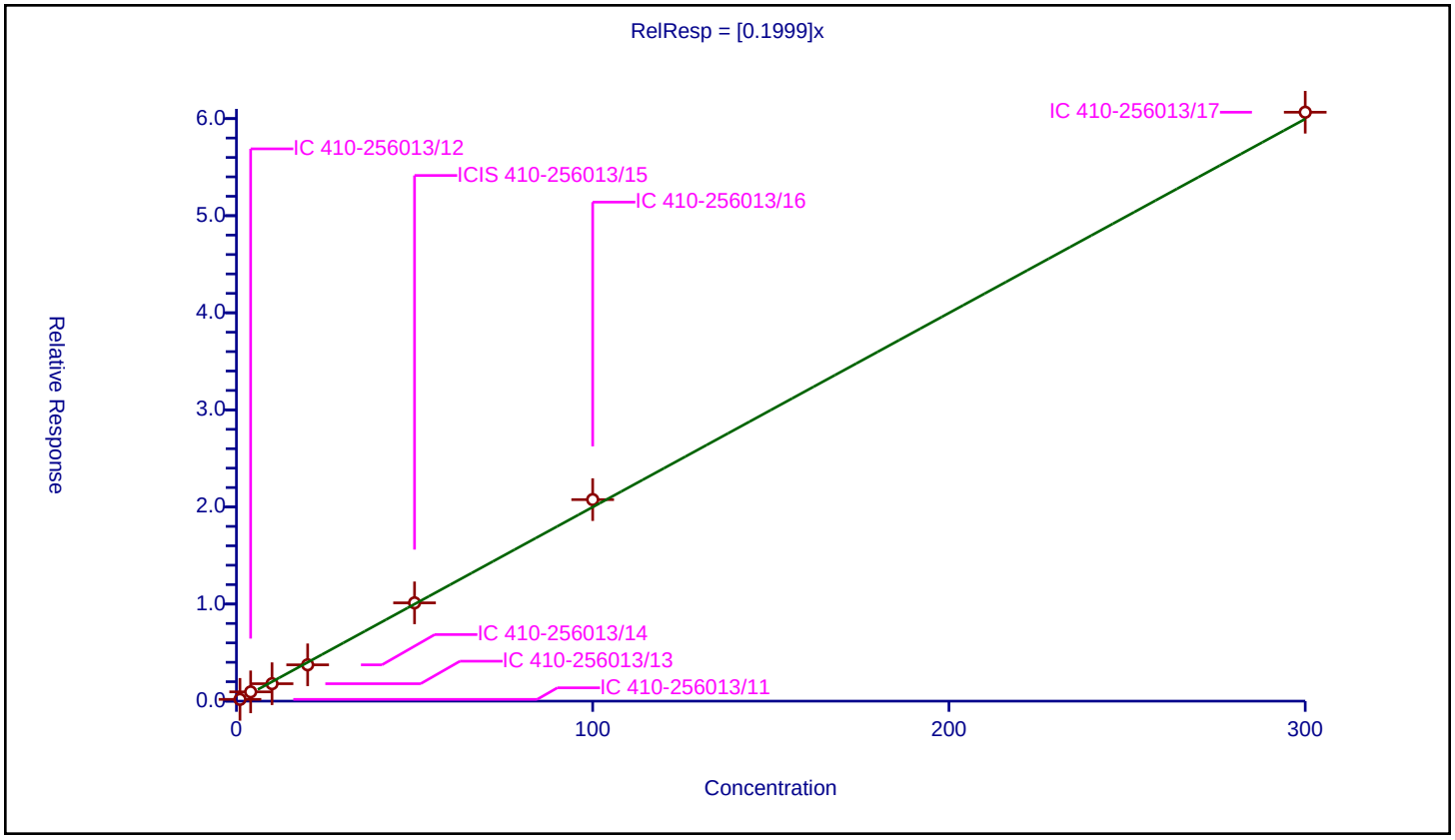
Curve Coefficients

Intercept:	0
Slope:	0.1999

Error Coefficients

Standard Error:	670000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.181558	50.0	1149493.0	0.181558	Y
2	IC 410-256013/12	4.0	0.955029	50.0	1122269.0	0.238757	Y
3	IC 410-256013/13	10.0	1.795355	50.0	1097610.0	0.179536	Y
4	IC 410-256013/14	20.0	3.740837	50.0	1139999.0	0.187042	Y
5	ICIS 410-256013/15	50.0	10.124024	50.0	1188475.0	0.20248	Y
6	IC 410-256013/16	100.0	20.755374	50.0	1212657.0	0.207554	Y
7	IC 410-256013/17	300.0	60.656856	50.0	1269821.0	0.20219	Y



Calibration / Chloroethane

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

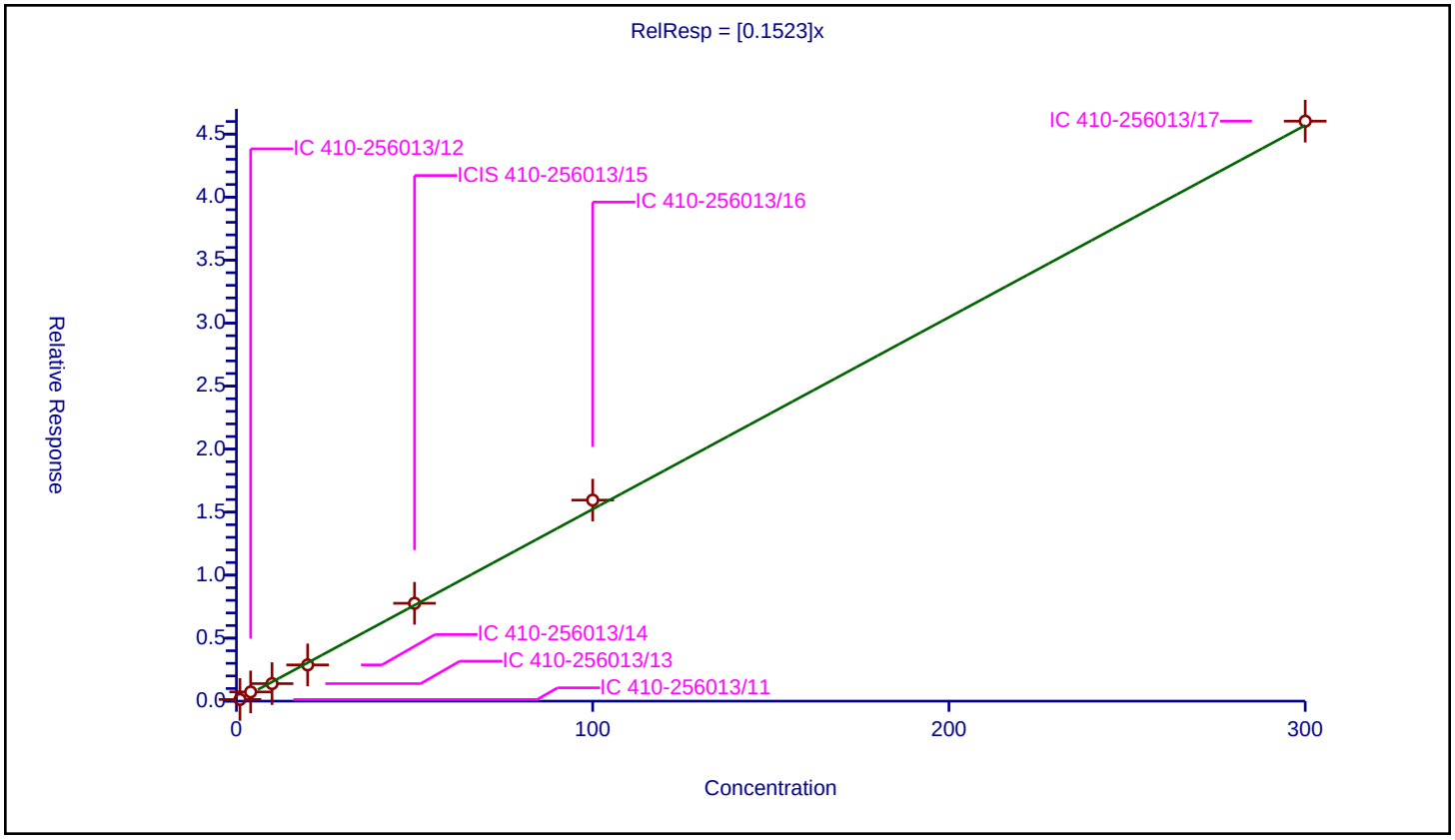
Curve Coefficients

Intercept:	0
Slope:	0.1523

Error Coefficients

Standard Error:	509000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.132841	50.0	1149493.0	0.132841	Y
2	IC 410-256013/12	4.0	0.729549	50.0	1122269.0	0.182387	Y
3	IC 410-256013/13	10.0	1.390157	50.0	1097610.0	0.139016	Y
4	IC 410-256013/14	20.0	2.875003	50.0	1139999.0	0.14375	Y
5	ICIS 410-256013/15	50.0	7.765456	50.0	1188475.0	0.155309	Y
6	IC 410-256013/16	100.0	15.95212	50.0	1212657.0	0.159521	Y
7	IC 410-256013/17	300.0	46.024833	50.0	1269821.0	0.153416	Y



Calibration / Dichlorofluoromethane

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

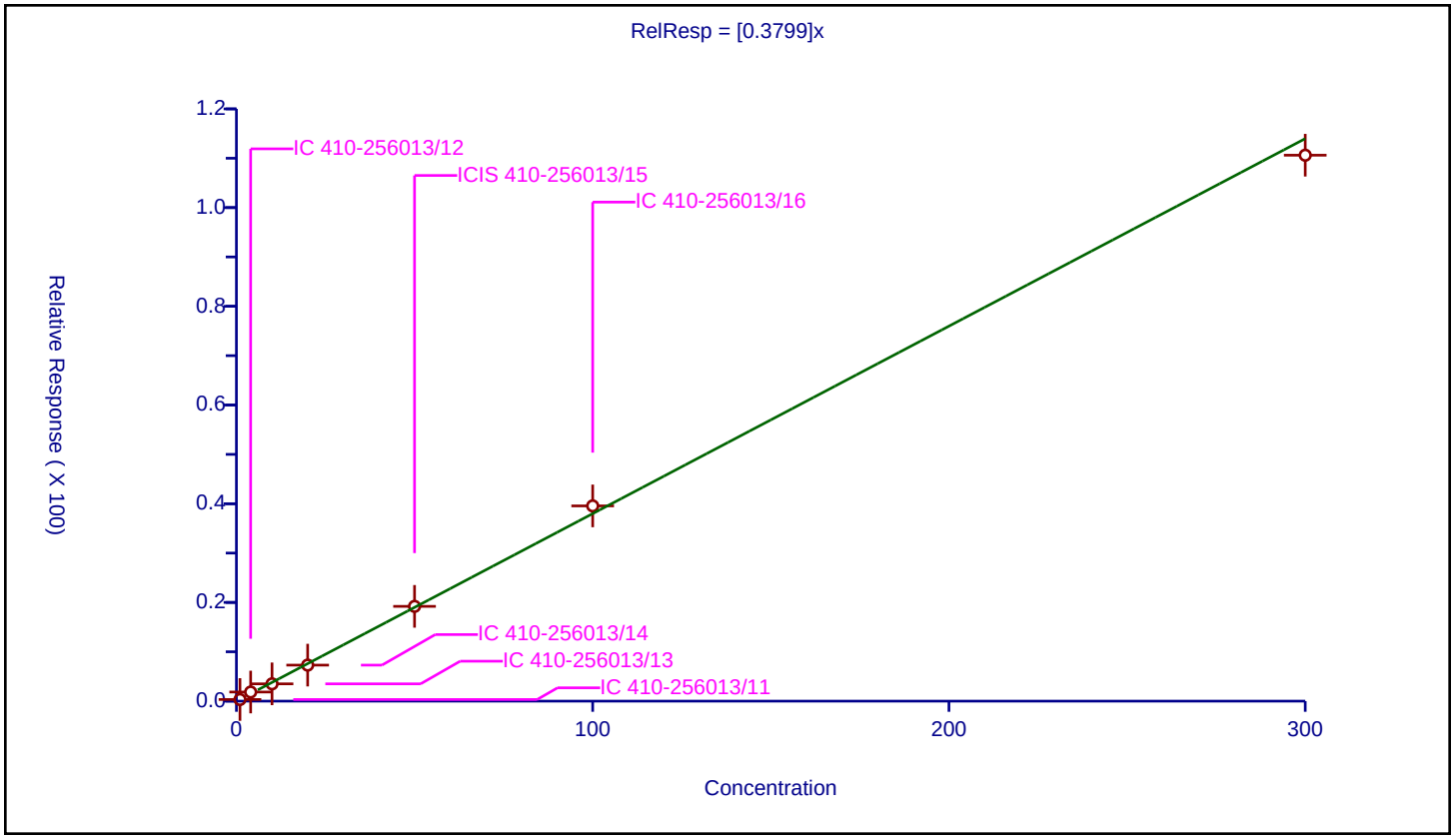
Curve Coefficients

Intercept:	0
Slope:	0.3799

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.334234	50.0	1149493.0	0.334234	Y
2	IC 410-256013/12	4.0	1.845725	50.0	1122269.0	0.461431	Y
3	IC 410-256013/13	10.0	3.502747	50.0	1097610.0	0.350275	Y
4	IC 410-256013/14	20.0	7.300708	50.0	1139999.0	0.365035	Y
5	ICIS 410-256013/15	50.0	19.200909	50.0	1188475.0	0.384018	Y
6	IC 410-256013/16	100.0	39.559455	50.0	1212657.0	0.395595	Y
7	IC 410-256013/17	300.0	110.614016	50.0	1269821.0	0.368713	Y



Calibration / Trichlorofluoromethane

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

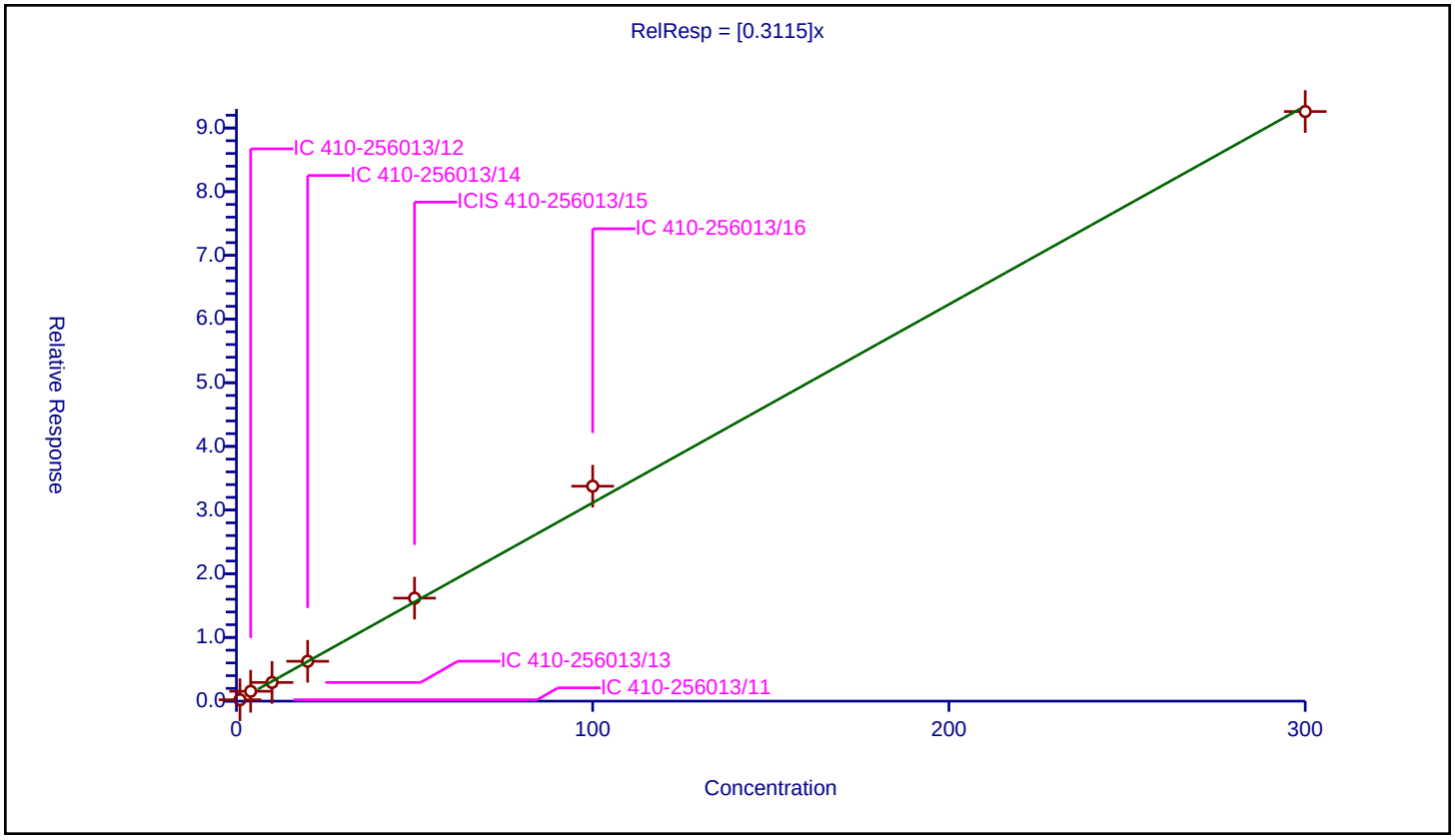
Curve Coefficients

Intercept:	0
Slope:	0.3115

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	16.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.217139	50.0	1149493.0	0.217139	Y
2	IC 410-256013/12	4.0	1.550029	50.0	1122269.0	0.387507	Y
3	IC 410-256013/13	10.0	2.933373	50.0	1097610.0	0.293337	Y
4	IC 410-256013/14	20.0	6.260049	50.0	1139999.0	0.313002	Y
5	ICIS 410-256013/15	50.0	16.173205	50.0	1188475.0	0.323464	Y
6	IC 410-256013/16	100.0	33.753733	50.0	1212657.0	0.337537	Y
7	IC 410-256013/17	300.0	92.587695	50.0	1269821.0	0.308626	Y



Calibration / Pentane

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

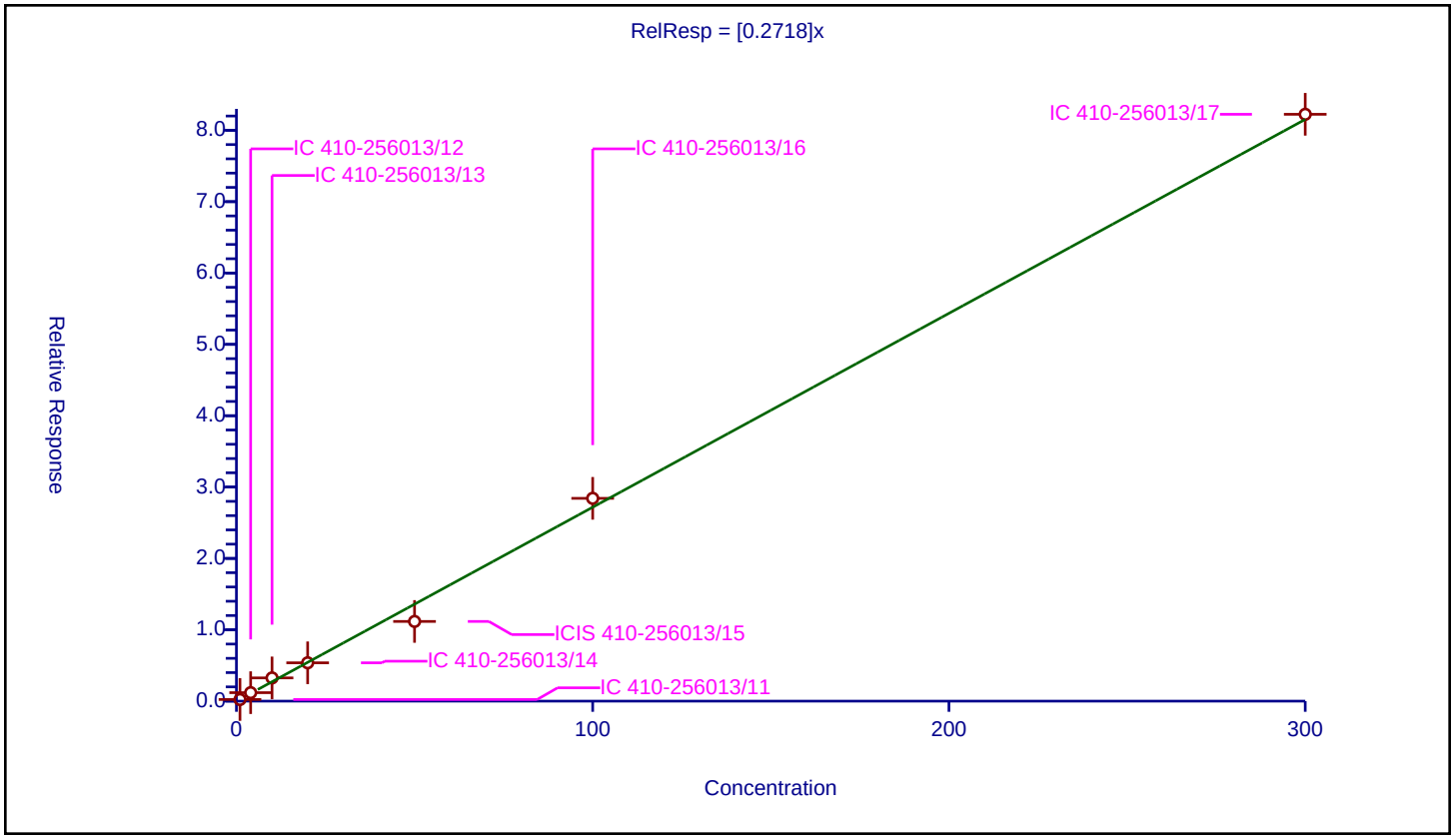
Curve Coefficients

Intercept:	0
Slope:	0.2718

Error Coefficients

Standard Error:	906000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.229058	50.0	1149493.0	0.229058	Y
2	IC 410-256013/12	4.0	1.188752	50.0	1122269.0	0.297188	Y
3	IC 410-256013/13	10.0	3.255482	50.0	1097610.0	0.325548	Y
4	IC 410-256013/14	20.0	5.374698	50.0	1139999.0	0.268735	Y
5	ICIS 410-256013/15	50.0	11.168809	50.0	1188475.0	0.223376	Y
6	IC 410-256013/16	100.0	28.422588	50.0	1212657.0	0.284226	Y
7	IC 410-256013/17	300.0	82.241788	50.0	1269821.0	0.274139	Y



Calibration / Ethyl ether

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

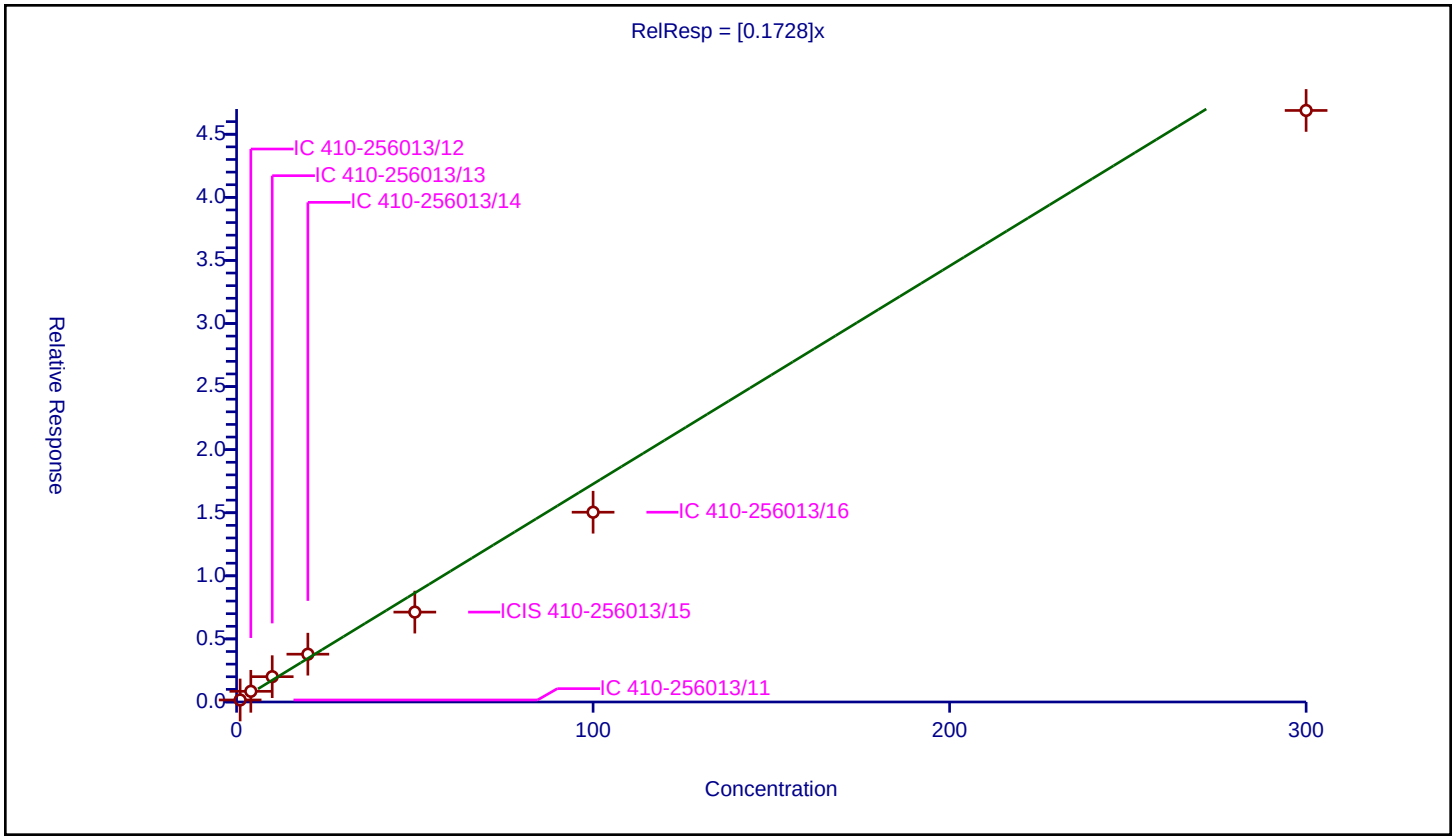
Curve Coefficients

Intercept:	0
Slope:	0.1728

Error Coefficients

Standard Error:	515000
Relative Standard Error:	15.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	0.999999	0.158679	50.0	1149493.0	0.158679	Y
2	IC 410-256013/12	3.999996	0.846588	50.0	1122269.0	0.211647	Y
3	IC 410-256013/13	9.99999	2.005858	50.0	1097610.0	0.200586	Y
4	IC 410-256013/14	19.99998	3.789389	50.0	1139999.0	0.18947	Y
5	ICIS 410-256013/15	49.99995	7.123625	50.0	1188475.0	0.142473	Y
6	IC 410-256013/16	99.9999	15.041681	50.0	1212657.0	0.150417	Y
7	IC 410-256013/17	299.9997	46.8859	50.0	1269821.0	0.156286	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

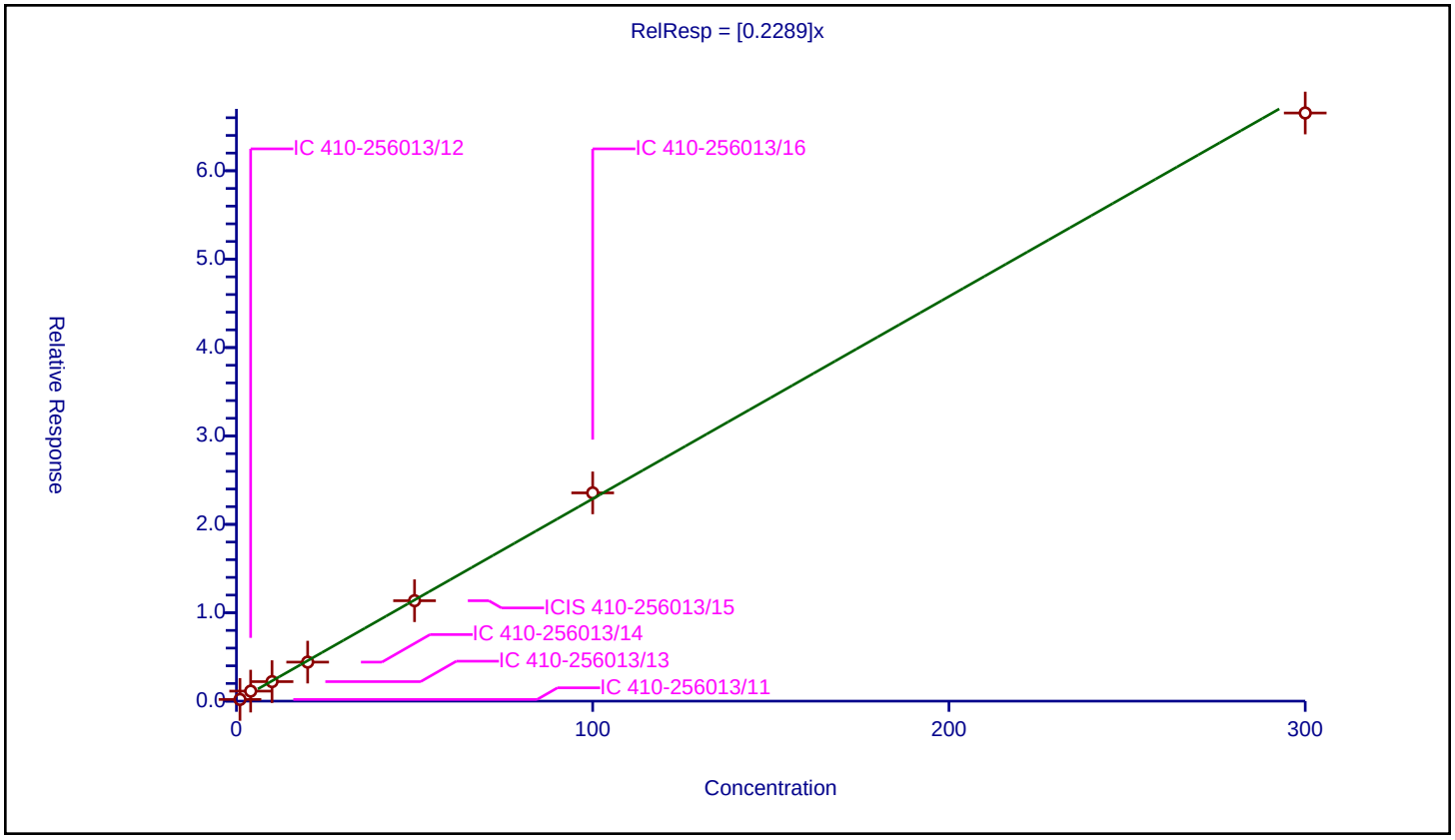
Curve Coefficients

Intercept:	0
Slope:	0.2289

Error Coefficients

Standard Error:	738000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.192737	50.0	1149493.0	0.192737	Y
2	IC 410-256013/12	4.0	1.133507	50.0	1122269.0	0.283377	Y
3	IC 410-256013/13	10.0	2.207023	50.0	1097610.0	0.220702	Y
4	IC 410-256013/14	20.0	4.416144	50.0	1139999.0	0.220807	Y
5	ICIS 410-256013/15	50.0	11.361703	50.0	1188475.0	0.227234	Y
6	IC 410-256013/16	100.0	23.559795	50.0	1212657.0	0.235598	Y
7	IC 410-256013/17	300.0	66.535677	50.0	1269821.0	0.221786	Y



Calibration / Acrolein

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

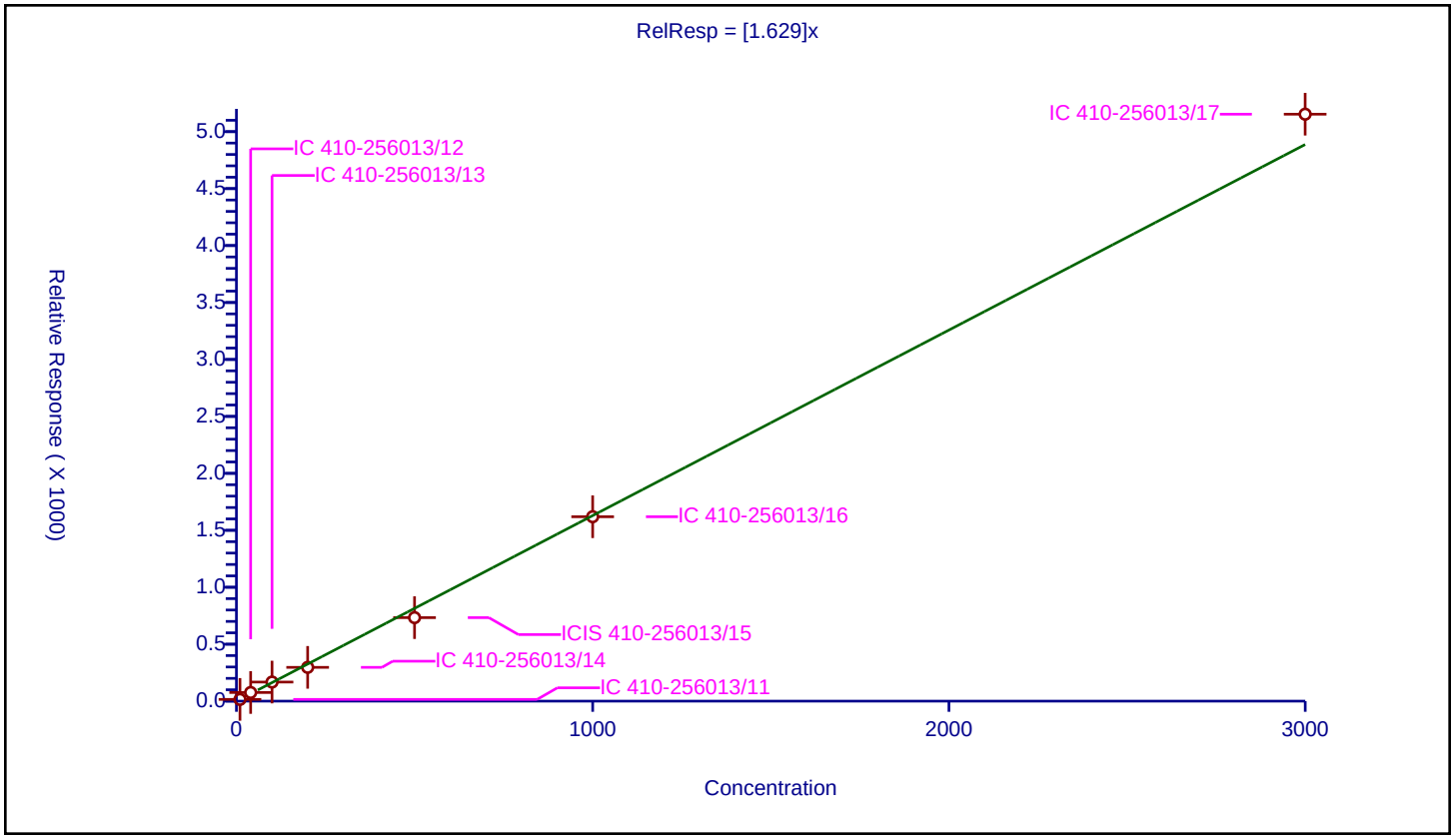
Curve Coefficients

Intercept:	0
Slope:	1.629

Error Coefficients

Standard Error:	2640000
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	9.999307	15.422084	250.0	261038.0	1.542315	Y
2	IC 410-256013/12	39.997227	75.916306	250.0	259493.0	1.898039	Y
3	IC 410-256013/13	99.993068	167.583077	250.0	245796.0	1.675947	Y
4	IC 410-256013/14	199.986137	296.730835	250.0	260877.0	1.483757	Y
5	ICIS 410-256013/15	499.965342	733.329414	250.0	276385.0	1.46676	Y
6	IC 410-256013/16	999.930684	1619.092715	250.0	285897.0	1.619205	Y
7	IC 410-256013/17	2999.792052	5153.472591	250.0	297602.0	1.717943	Y



Calibration / 1,1-Dichloroethene

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

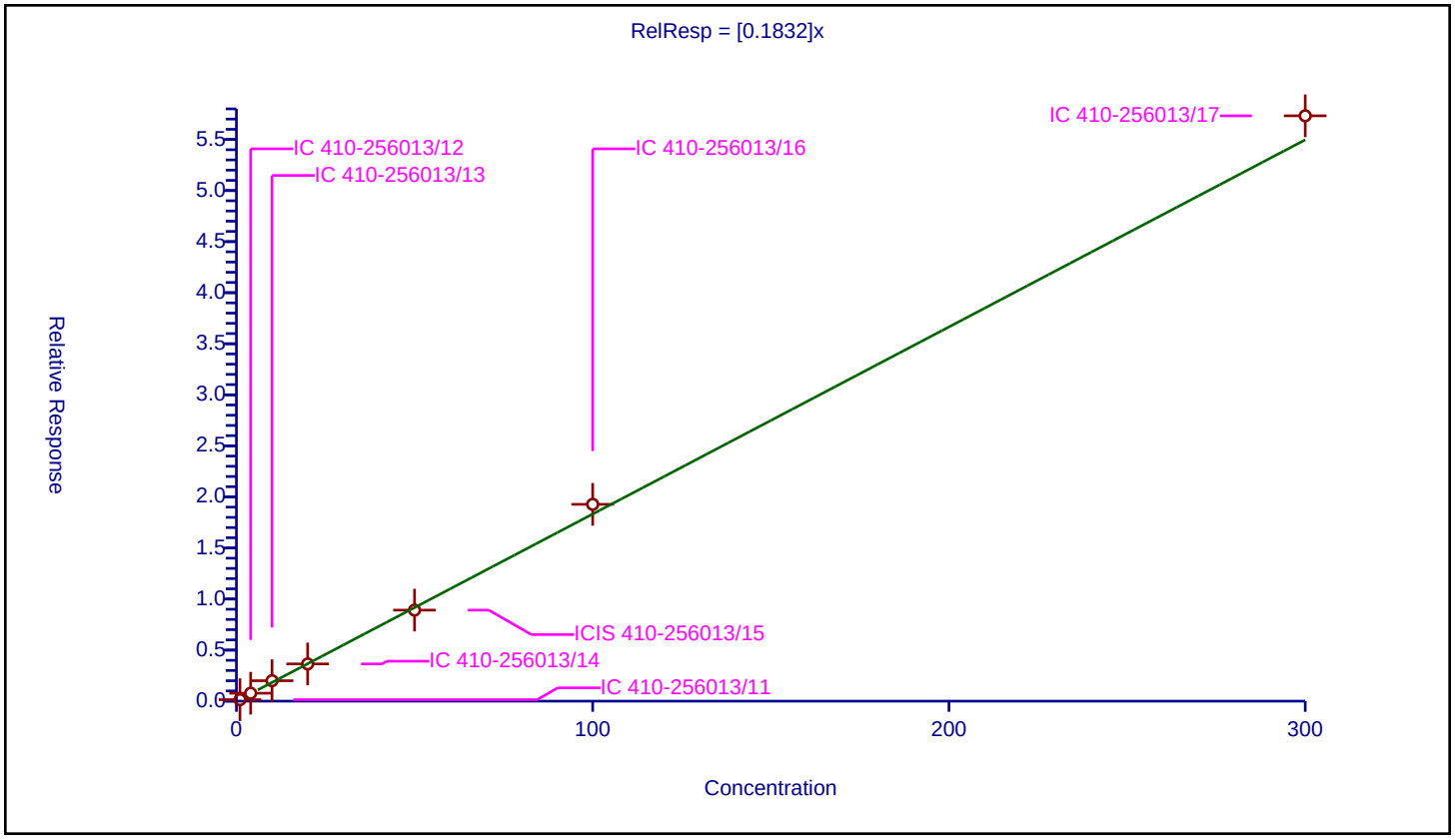
Curve Coefficients

Intercept:	0
Slope:	0.1832

Error Coefficients

Standard Error:	631000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.144238	50.0	1149493.0	0.144238	Y
2	IC 410-256013/12	4.0	0.775215	50.0	1122269.0	0.193804	Y
3	IC 410-256013/13	10.0	2.002624	50.0	1097610.0	0.200262	Y
4	IC 410-256013/14	20.0	3.645442	50.0	1139999.0	0.182272	Y
5	ICIS 410-256013/15	50.0	8.913818	50.0	1188475.0	0.178276	Y
6	IC 410-256013/16	100.0	19.273092	50.0	1212657.0	0.192731	Y
7	IC 410-256013/17	300.0	57.322174	50.0	1269821.0	0.191074	Y



Calibration / Acetone

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

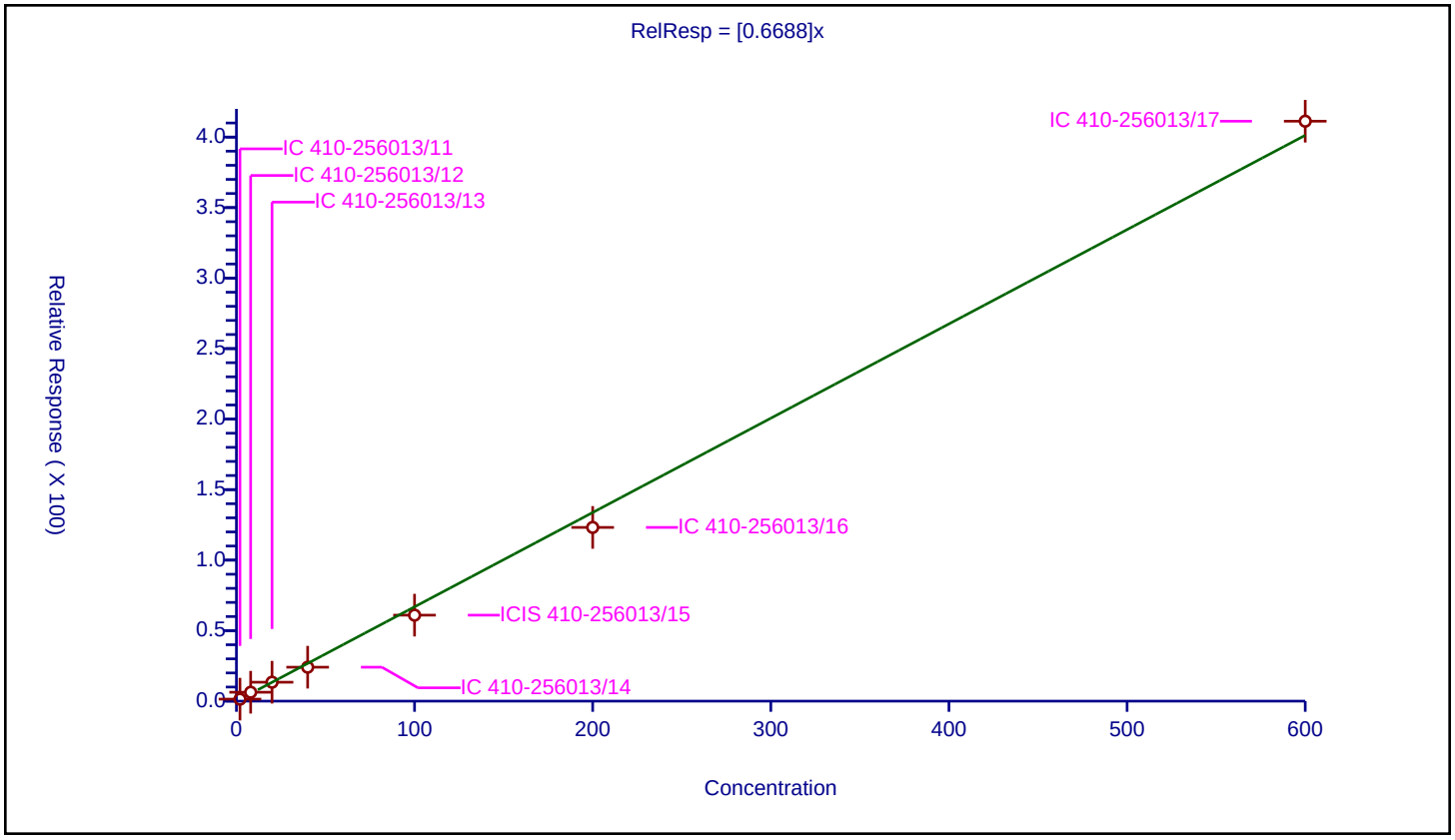
Curve Coefficients

Intercept:	0
Slope:	0.6688

Error Coefficients

Standard Error:	210000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.0	1.41646	250.0	261038.0	0.70823	Y
2	IC 410-256013/12	8.0	6.313272	250.0	259493.0	0.789159	Y
3	IC 410-256013/13	20.0	13.424751	250.0	245796.0	0.671238	Y
4	IC 410-256013/14	40.0	24.065939	250.0	260877.0	0.601648	Y
5	ICIS 410-256013/15	100.0	60.974727	250.0	276385.0	0.609747	Y
6	IC 410-256013/16	200.0	123.19734	250.0	285897.0	0.615987	Y
7	IC 410-256013/17	600.0	411.280838	250.0	297602.0	0.685468	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

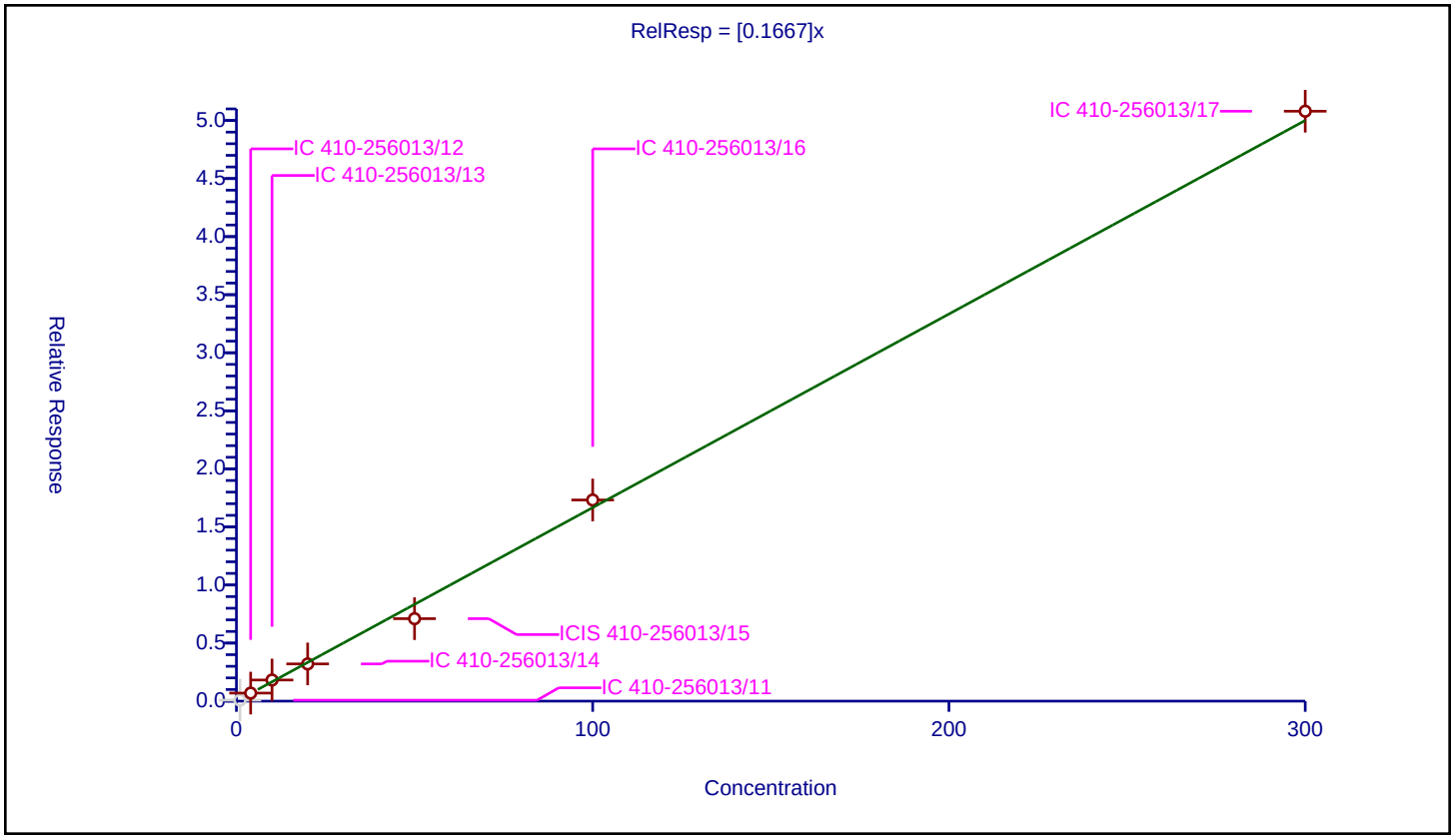
Curve Coefficients

Intercept:	0
Slope:	0.1667

Error Coefficients

Standard Error:	613000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.08469	50.0	1149493.0	0.08469	N
2	IC 410-256013/12	4.0	0.693149	50.0	1122269.0	0.173287	Y
3	IC 410-256013/13	10.0	1.818907	50.0	1097610.0	0.181891	Y
4	IC 410-256013/14	20.0	3.205792	50.0	1139999.0	0.16029	Y
5	ICIS 410-256013/15	50.0	7.102547	50.0	1188475.0	0.142051	Y
6	IC 410-256013/16	100.0	17.322169	50.0	1212657.0	0.173222	Y
7	IC 410-256013/17	300.0	50.799601	50.0	1269821.0	0.169332	Y



Calibration / Isopropyl alcohol

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

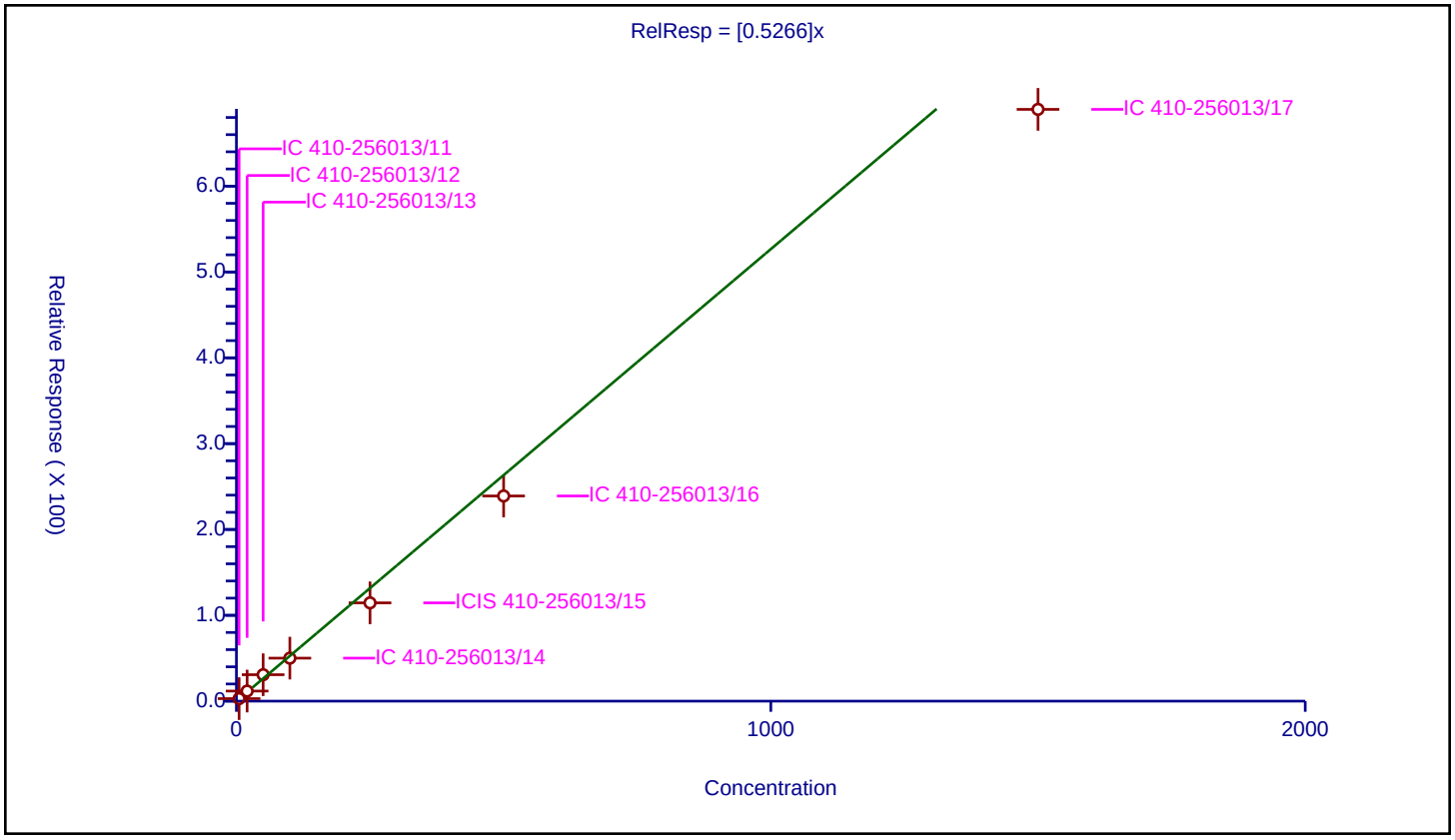
Curve Coefficients

Intercept:	0
Slope:	0.5266

Error Coefficients

Standard Error:	357000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	5.0	2.930608	250.0	261038.0	0.586122	Y
2	IC 410-256013/12	20.0	11.754652	250.0	259493.0	0.587733	Y
3	IC 410-256013/13	50.0	30.784675	250.0	245796.0	0.615694	Y
4	IC 410-256013/14	100.0	50.101197	250.0	260877.0	0.501012	Y
5	ICIS 410-256013/15	250.0	114.517792	250.0	276385.0	0.458071	Y
6	IC 410-256013/16	500.0	239.041508	250.0	285897.0	0.478083	Y
7	IC 410-256013/17	1500.0	689.42749	250.0	297602.0	0.459618	Y



Calibration / Iodomethane

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

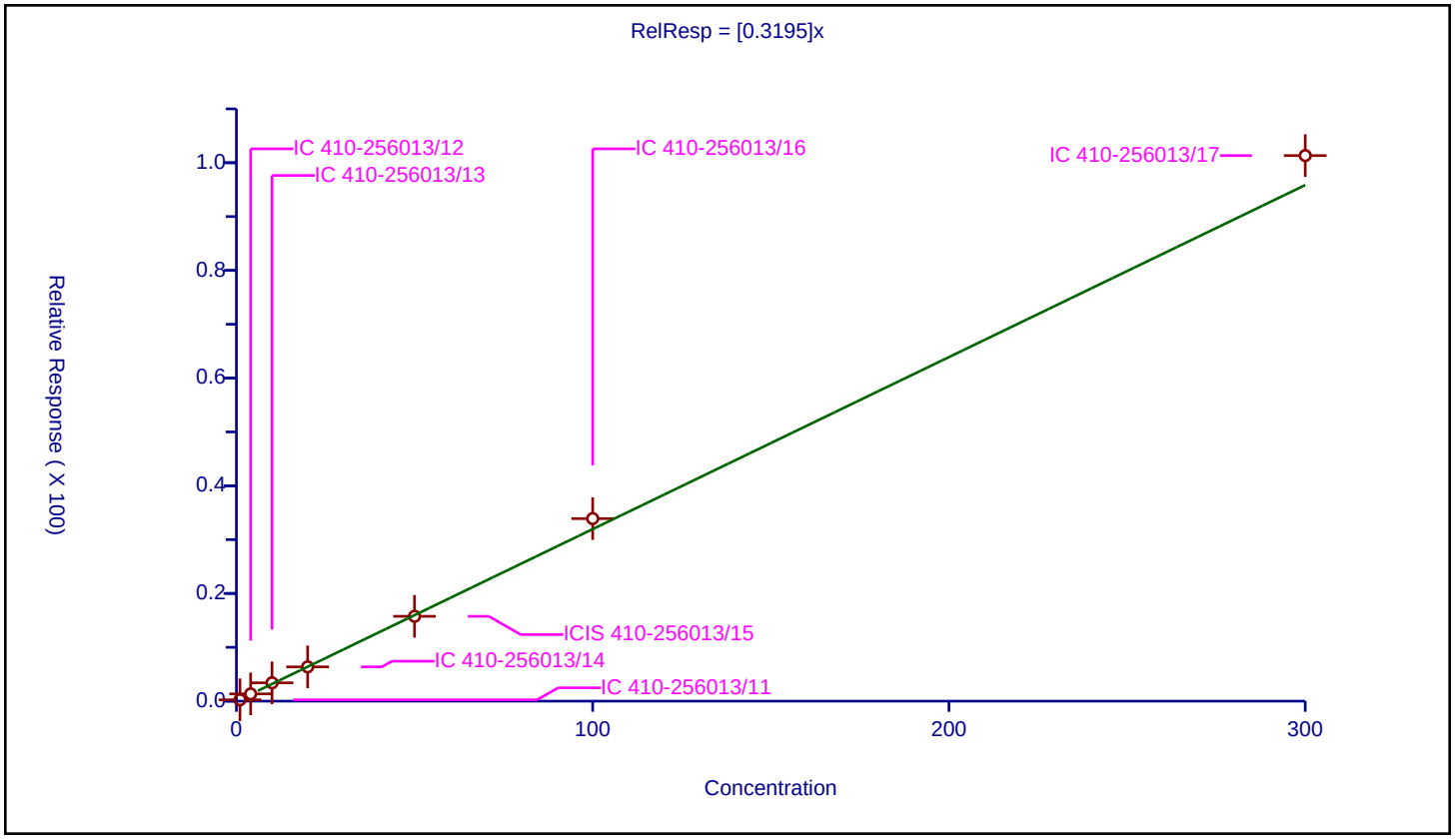
Curve Coefficients

Intercept:	0
Slope:	0.3195

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.248892	50.0	1149493.0	0.248892	Y
2	IC 410-256013/12	4.0	1.349097	50.0	1122269.0	0.337274	Y
3	IC 410-256013/13	10.0	3.400251	50.0	1097610.0	0.340025	Y
4	IC 410-256013/14	20.0	6.3654	50.0	1139999.0	0.31827	Y
5	ICIS 410-256013/15	50.0	15.757084	50.0	1188475.0	0.315142	Y
6	IC 410-256013/16	100.0	33.900806	50.0	1212657.0	0.339008	Y
7	IC 410-256013/17	300.0	101.329203	50.0	1269821.0	0.337764	Y



Calibration / Carbon disulfide

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

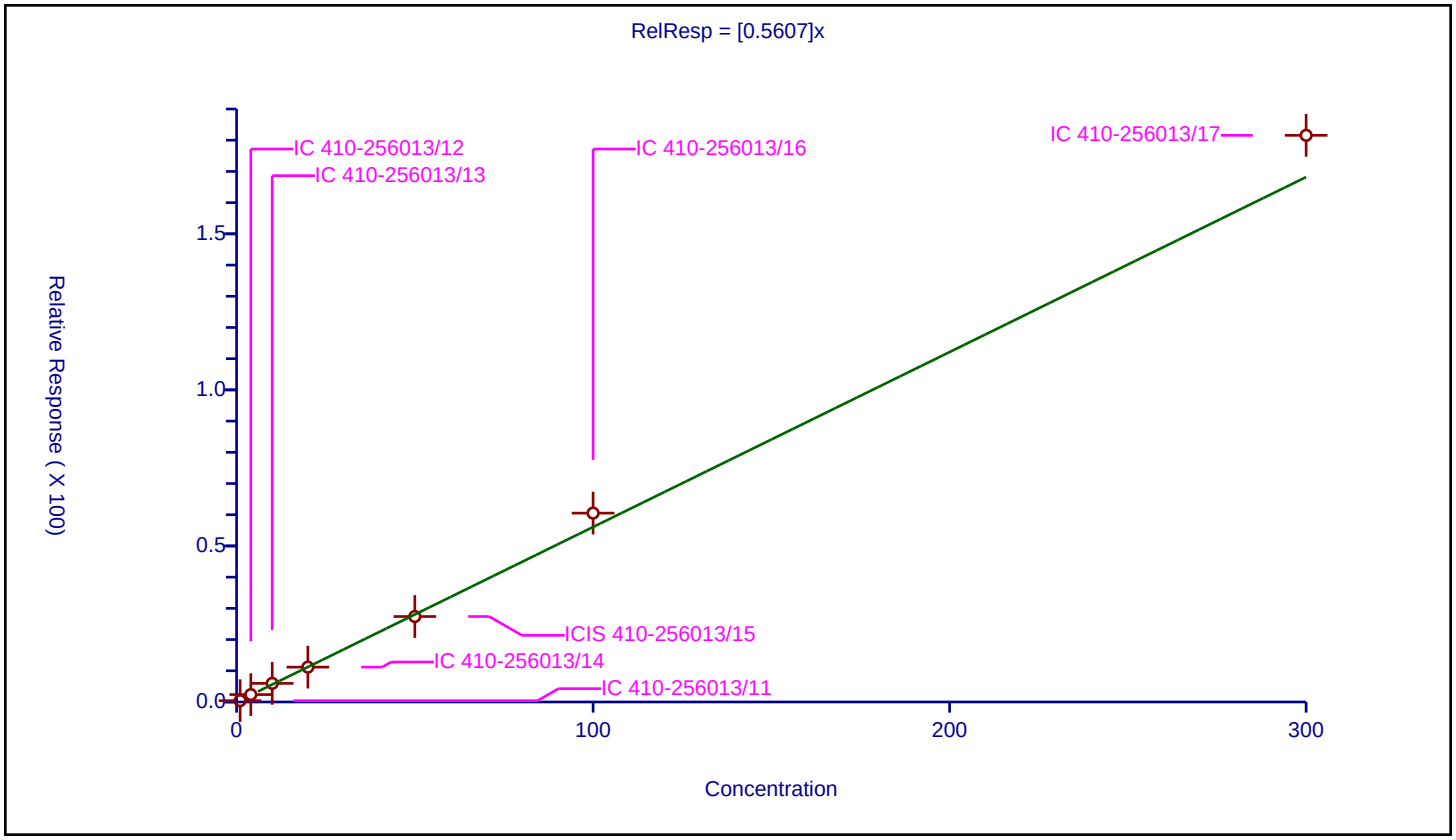
Curve Coefficients

Intercept:	0
Slope:	0.5607

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.419359	50.0	1149493.0	0.419359	Y
2	IC 410-256013/12	4.0	2.370287	50.0	1122269.0	0.592572	Y
3	IC 410-256013/13	10.0	5.958811	50.0	1097610.0	0.595881	Y
4	IC 410-256013/14	20.0	11.173738	50.0	1139999.0	0.558687	Y
5	ICIS 410-256013/15	50.0	27.385094	50.0	1188475.0	0.547702	Y
6	IC 410-256013/16	100.0	60.513443	50.0	1212657.0	0.605134	Y
7	IC 410-256013/17	300.0	181.56941	50.0	1269821.0	0.605231	Y



Calibration / Methyl acetate

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

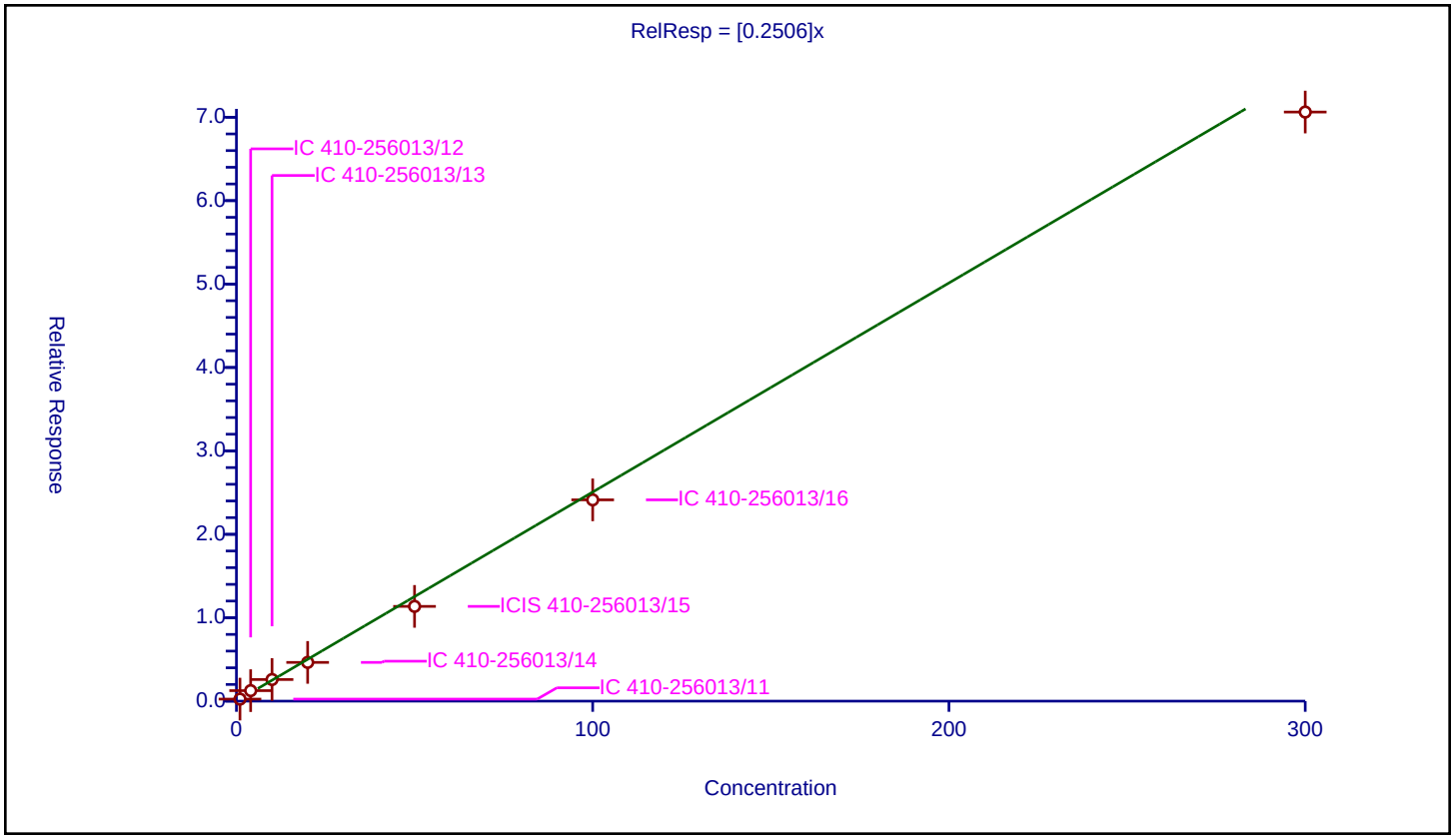
Curve Coefficients

Intercept:	0
Slope:	0.2506

Error Coefficients

Standard Error:	780000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.244412	50.0	1149493.0	0.244412	Y
2	IC 410-256013/12	4.0	1.258789	50.0	1122269.0	0.314697	Y
3	IC 410-256013/13	10.0	2.592451	50.0	1097610.0	0.259245	Y
4	IC 410-256013/14	20.0	4.645048	50.0	1139999.0	0.232252	Y
5	ICIS 410-256013/15	50.0	11.360273	50.0	1188475.0	0.227205	Y
6	IC 410-256013/16	100.0	24.131679	50.0	1212657.0	0.241317	Y
7	IC 410-256013/17	300.0	70.622316	50.0	1269821.0	0.235408	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

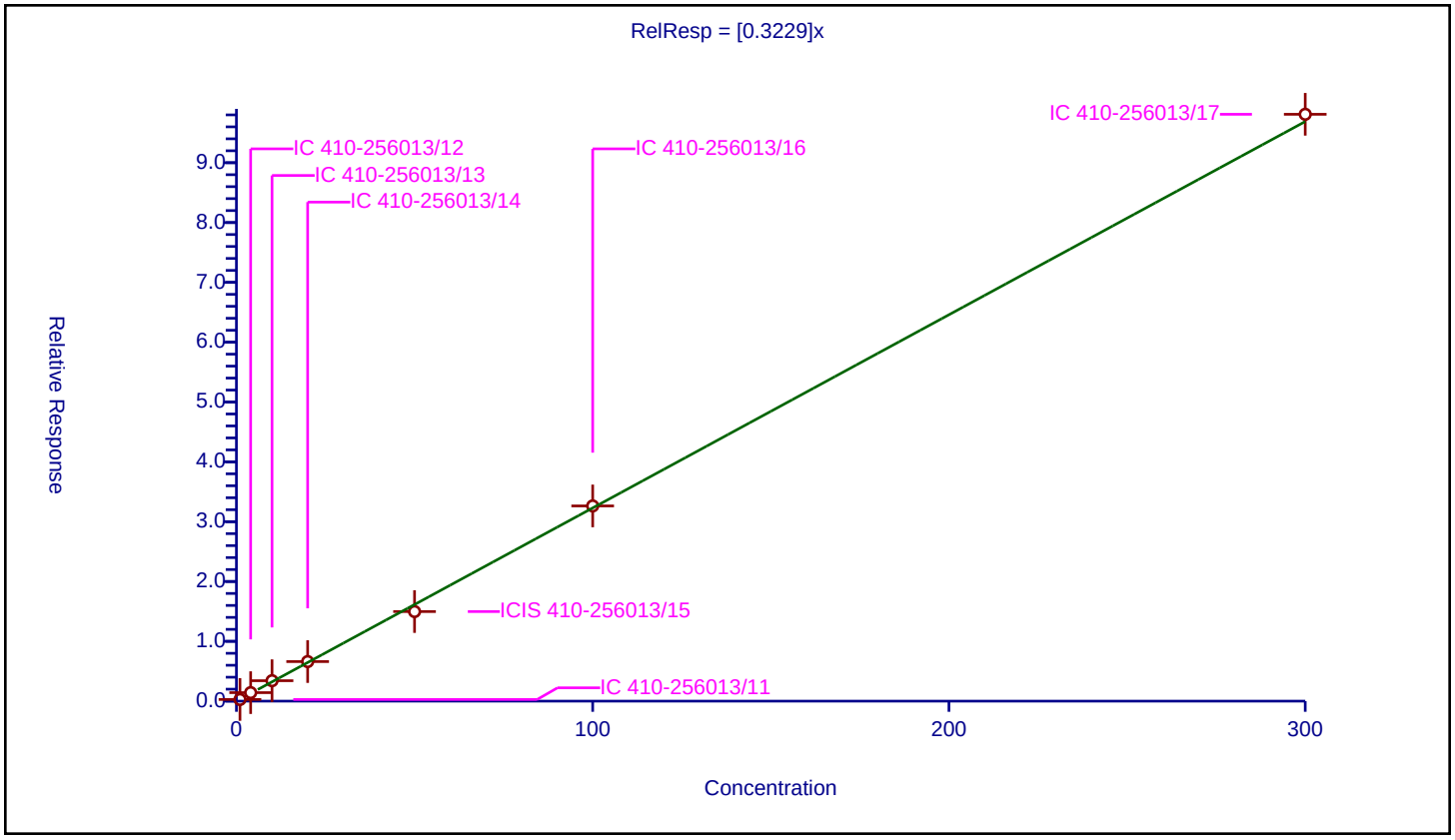
Curve Coefficients

Intercept:	0
Slope:	0.3229

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.279384	50.0	1149493.0	0.279384	Y
2	IC 410-256013/12	4.0	1.424569	50.0	1122269.0	0.356142	Y
3	IC 410-256013/13	10.0	3.415967	50.0	1097610.0	0.341597	Y
4	IC 410-256013/14	20.0	6.614216	50.0	1139999.0	0.330711	Y
5	ICIS 410-256013/15	50.0	14.973054	50.0	1188475.0	0.299461	Y
6	IC 410-256013/16	100.0	32.632393	50.0	1212657.0	0.326324	Y
7	IC 410-256013/17	300.0	98.096543	50.0	1269821.0	0.326988	Y



Calibration / Methylene Chloride

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

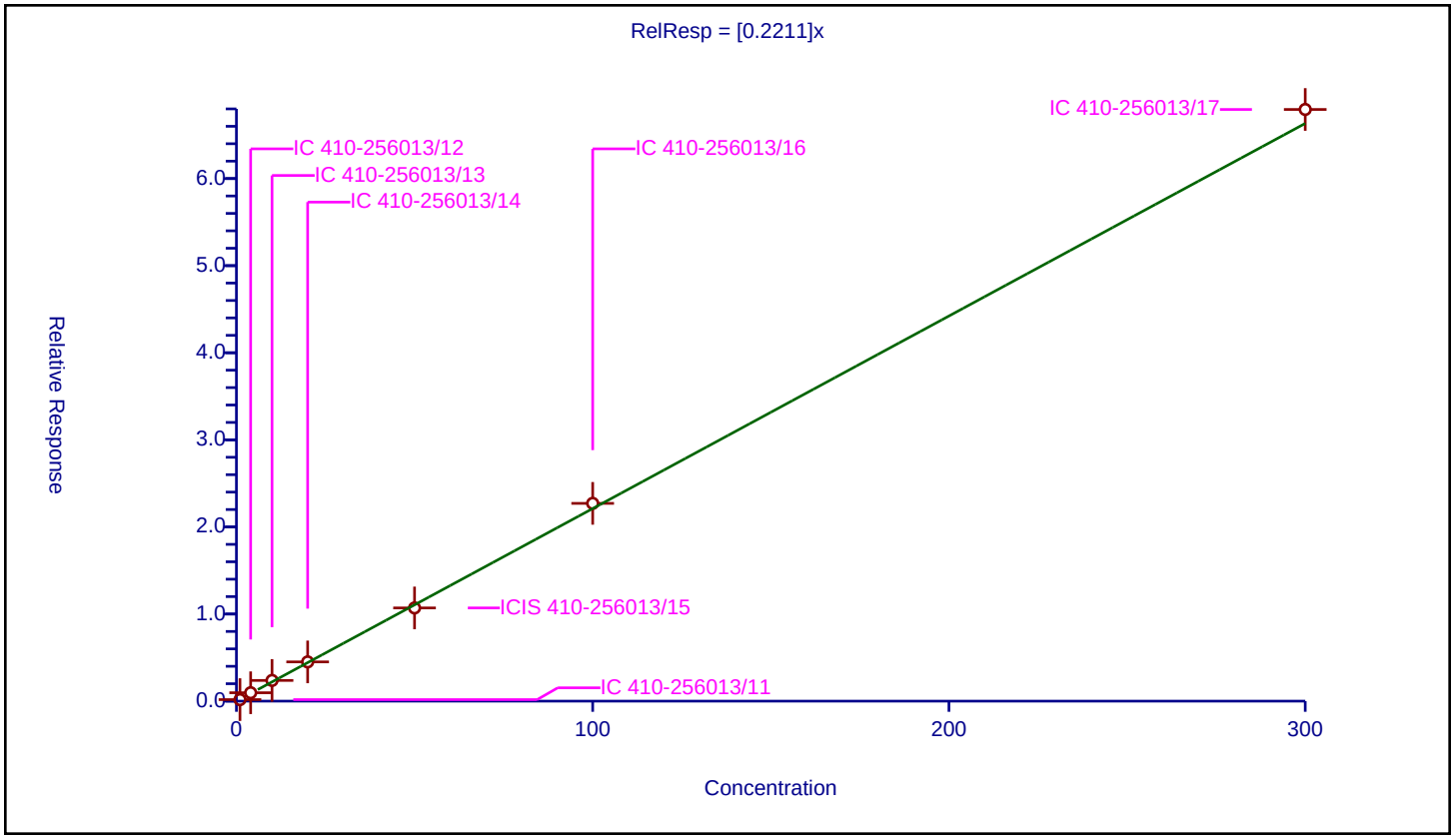
Curve Coefficients

Intercept:	0
Slope:	0.2211

Error Coefficients

Standard Error:	748000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.175773	50.0	1149493.0	0.175773	Y
2	IC 410-256013/12	4.0	0.96541	50.0	1122269.0	0.241353	Y
3	IC 410-256013/13	10.0	2.376527	50.0	1097610.0	0.237653	Y
4	IC 410-256013/14	20.0	4.507329	50.0	1139999.0	0.225366	Y
5	ICIS 410-256013/15	50.0	10.701613	50.0	1188475.0	0.214032	Y
6	IC 410-256013/16	100.0	22.708565	50.0	1212657.0	0.227086	Y
7	IC 410-256013/17	300.0	67.933394	50.0	1269821.0	0.226445	Y



Calibration / 2-Methyl-2-propanol

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

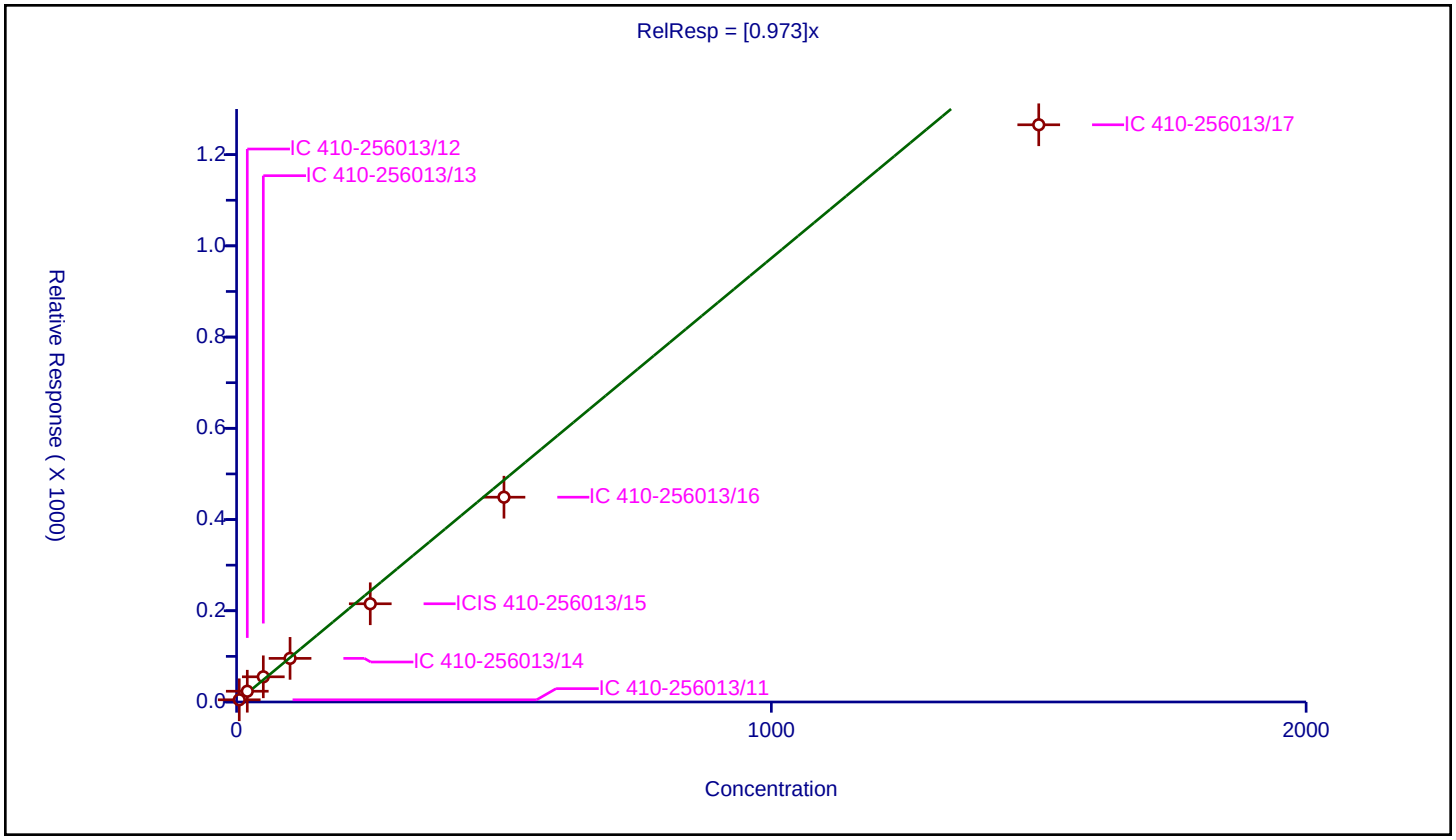
Curve Coefficients

Intercept:	0
Slope:	0.973

Error Coefficients

Standard Error:	658000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	5.0	4.831672	250.0	261038.0	0.966334	Y
2	IC 410-256013/12	20.0	23.611427	250.0	259493.0	1.180571	Y
3	IC 410-256013/13	50.0	55.234829	250.0	245796.0	1.104697	Y
4	IC 410-256013/14	100.0	95.632233	250.0	260877.0	0.956322	Y
5	ICIS 410-256013/15	250.0	215.351774	250.0	276385.0	0.861407	Y
6	IC 410-256013/16	500.0	448.971133	250.0	285897.0	0.897942	Y
7	IC 410-256013/17	1500.0	1265.423283	250.0	297602.0	0.843616	Y



Calibration / Acrylonitrile

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

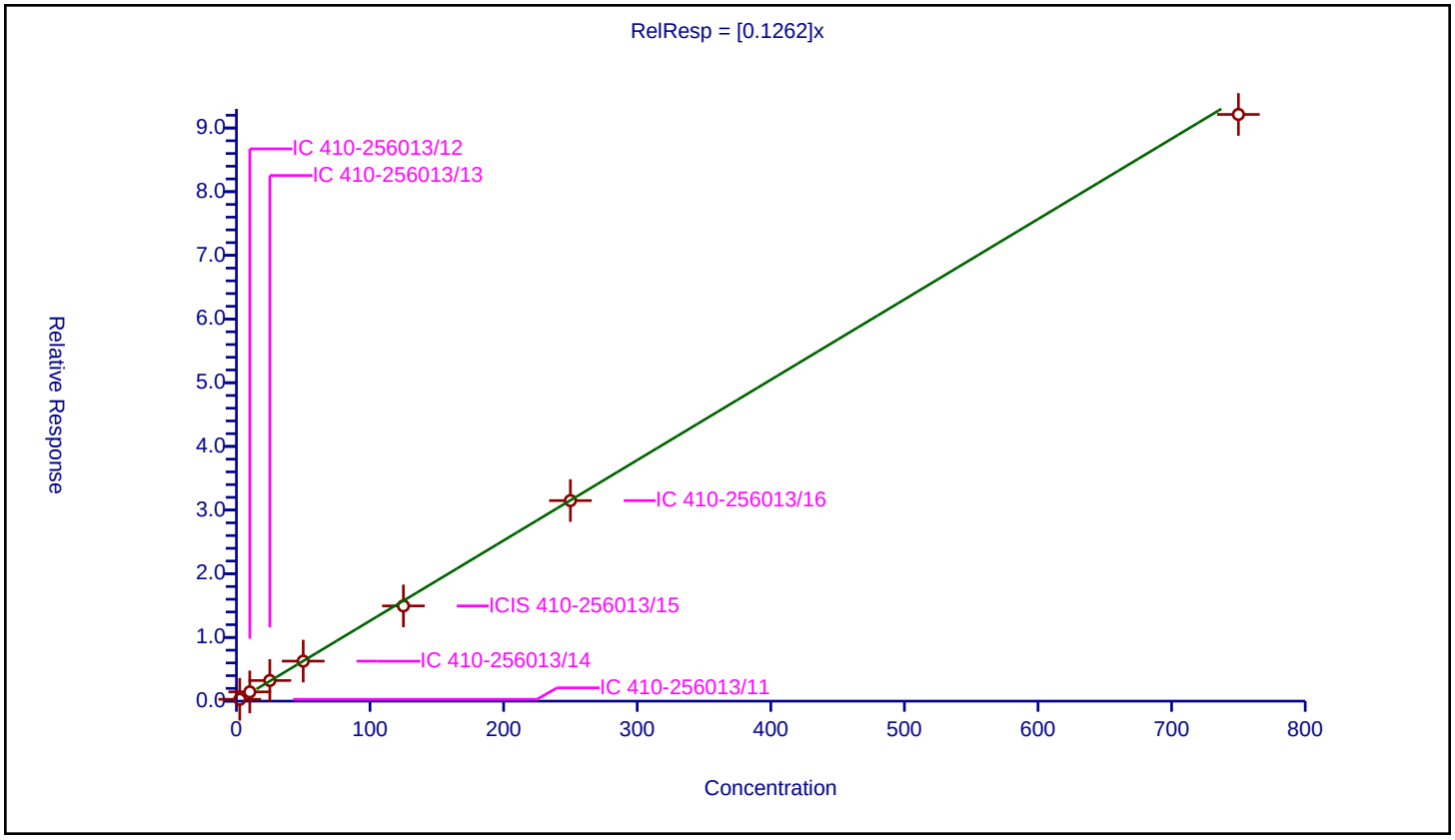
Curve Coefficients

Intercept:	0
Slope:	0.1262

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.5	0.284865	50.0	1149493.0	0.113946	Y
2	IC 410-256013/12	10.0	1.454152	50.0	1122269.0	0.145415	Y
3	IC 410-256013/13	25.0	3.239949	50.0	1097610.0	0.129598	Y
4	IC 410-256013/14	50.0	6.28369	50.0	1139999.0	0.125674	Y
5	ICIS 410-256013/15	125.0	14.95509	50.0	1188475.0	0.119641	Y
6	IC 410-256013/16	250.0	31.489613	50.0	1212657.0	0.125958	Y
7	IC 410-256013/17	750.0	92.130033	50.0	1269821.0	0.12284	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

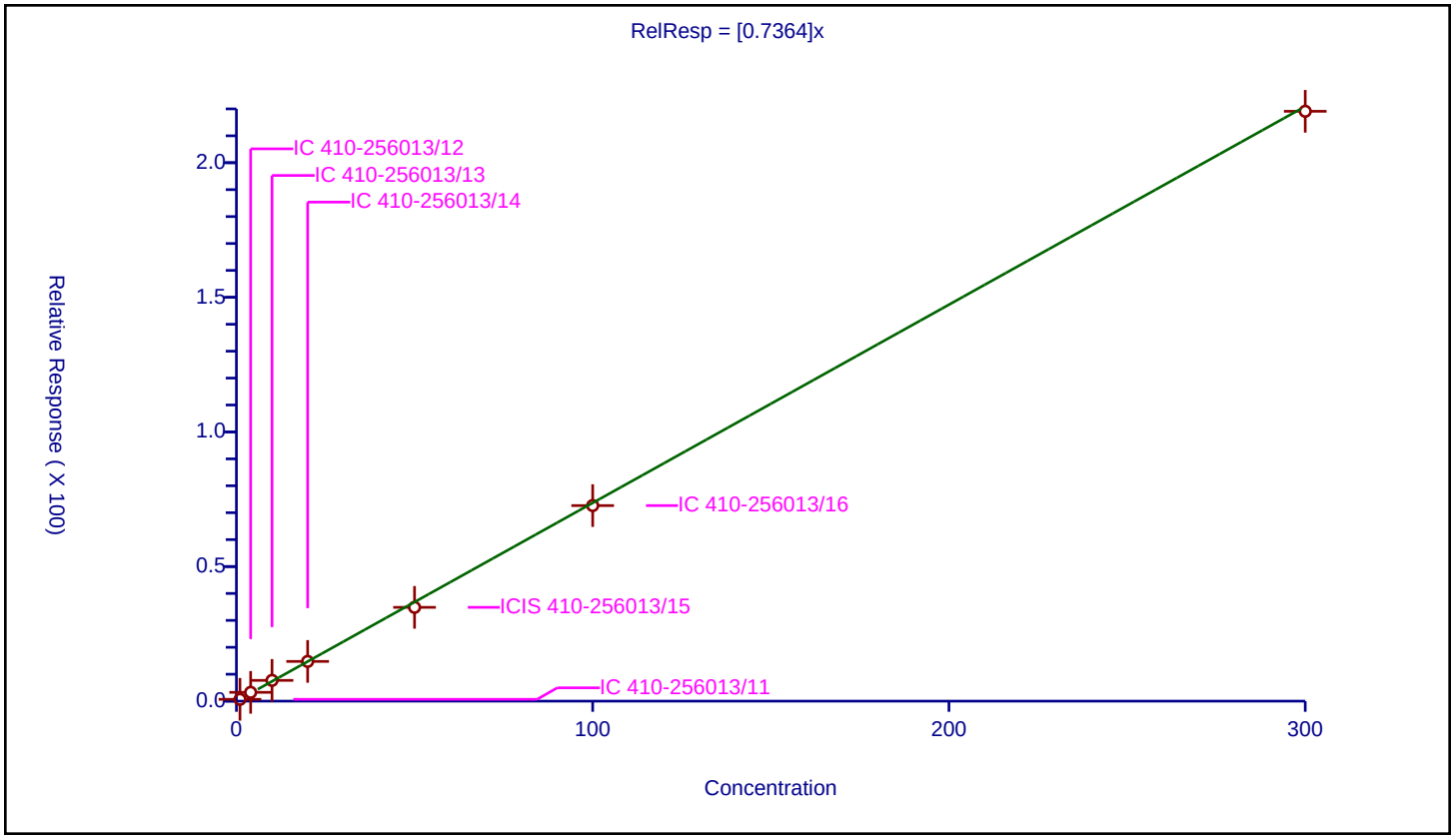
Curve Coefficients

Intercept:	0
Slope:	0.7364

Error Coefficients

Standard Error:	2410000
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 410-256013/11	1.0	0.675167	50.0	1149493.0	0.675167	Y
2	IC 410-256013/12	4.0	3.268468	50.0	1122269.0	0.817117	Y
3	IC 410-256013/13	10.0	7.707519	50.0	1097610.0	0.770752	Y
4	IC 410-256013/14	20.0	14.759706	50.0	1139999.0	0.737985	Y
5	ICIS 410-256013/15	50.0	34.838007	50.0	1188475.0	0.69676	Y
6	IC 410-256013/16	100.0	72.648449	50.0	1212657.0	0.726484	Y
7	IC 410-256013/17	300.0	219.106512	50.0	1269821.0	0.730355	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

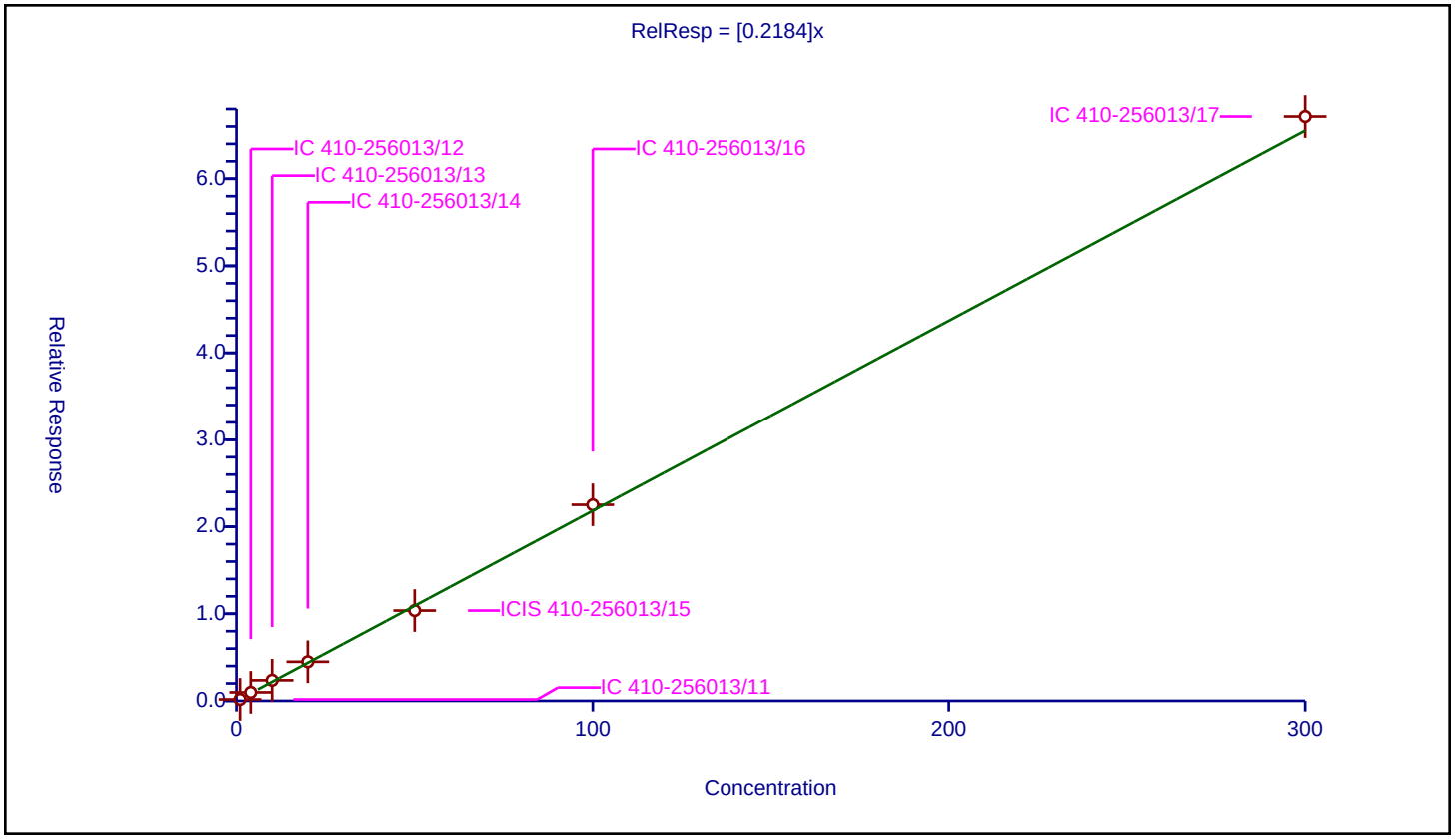
Curve Coefficients

Intercept:	0
Slope:	0.2184

Error Coefficients

Standard Error:	739000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.167596	50.0	1149493.0	0.167596	Y
2	IC 410-256013/12	4.0	0.976771	50.0	1122269.0	0.244193	Y
3	IC 410-256013/13	10.0	2.362633	50.0	1097610.0	0.236263	Y
4	IC 410-256013/14	20.0	4.48882	50.0	1139999.0	0.224441	Y
5	ICIS 410-256013/15	50.0	10.3722	50.0	1188475.0	0.207444	Y
6	IC 410-256013/16	100.0	22.528629	50.0	1212657.0	0.225286	Y
7	IC 410-256013/17	300.0	67.136825	50.0	1269821.0	0.223789	Y



Calibration / Hexane

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

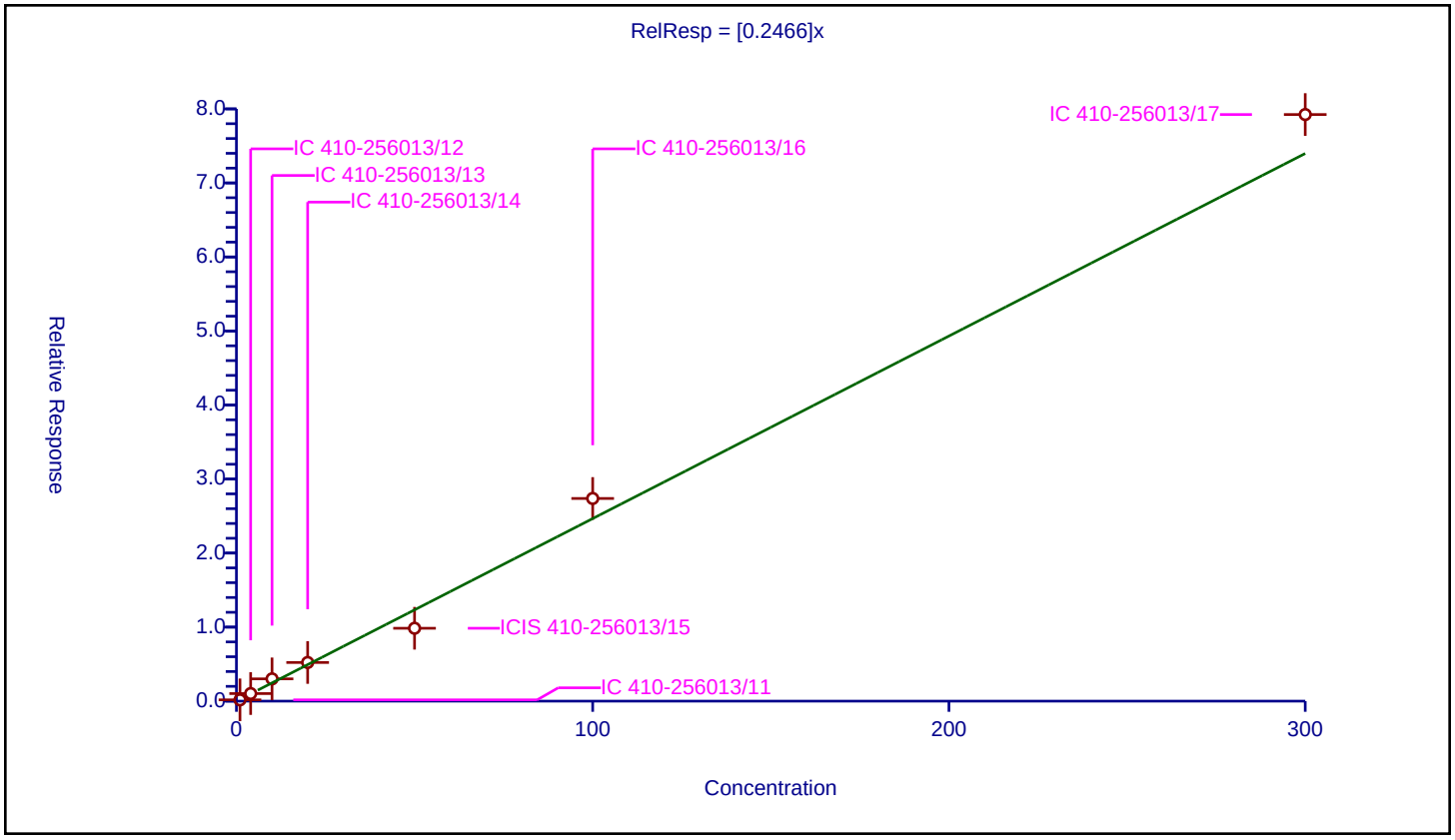
Curve Coefficients

Intercept:	0
Slope:	0.2466

Error Coefficients

Standard Error:	872000
Relative Standard Error:	18.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.172815	50.0	1149493.0	0.172815	Y
2	IC 410-256013/12	4.0	1.025333	50.0	1122269.0	0.256333	Y
3	IC 410-256013/13	10.0	3.009767	50.0	1097610.0	0.300977	Y
4	IC 410-256013/14	20.0	5.223426	50.0	1139999.0	0.261171	Y
5	ICIS 410-256013/15	50.0	9.845011	50.0	1188475.0	0.1969	Y
6	IC 410-256013/16	100.0	27.37629	50.0	1212657.0	0.273763	Y
7	IC 410-256013/17	300.0	79.238373	50.0	1269821.0	0.264128	Y



Calibration / 1,1-Dichloroethane

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

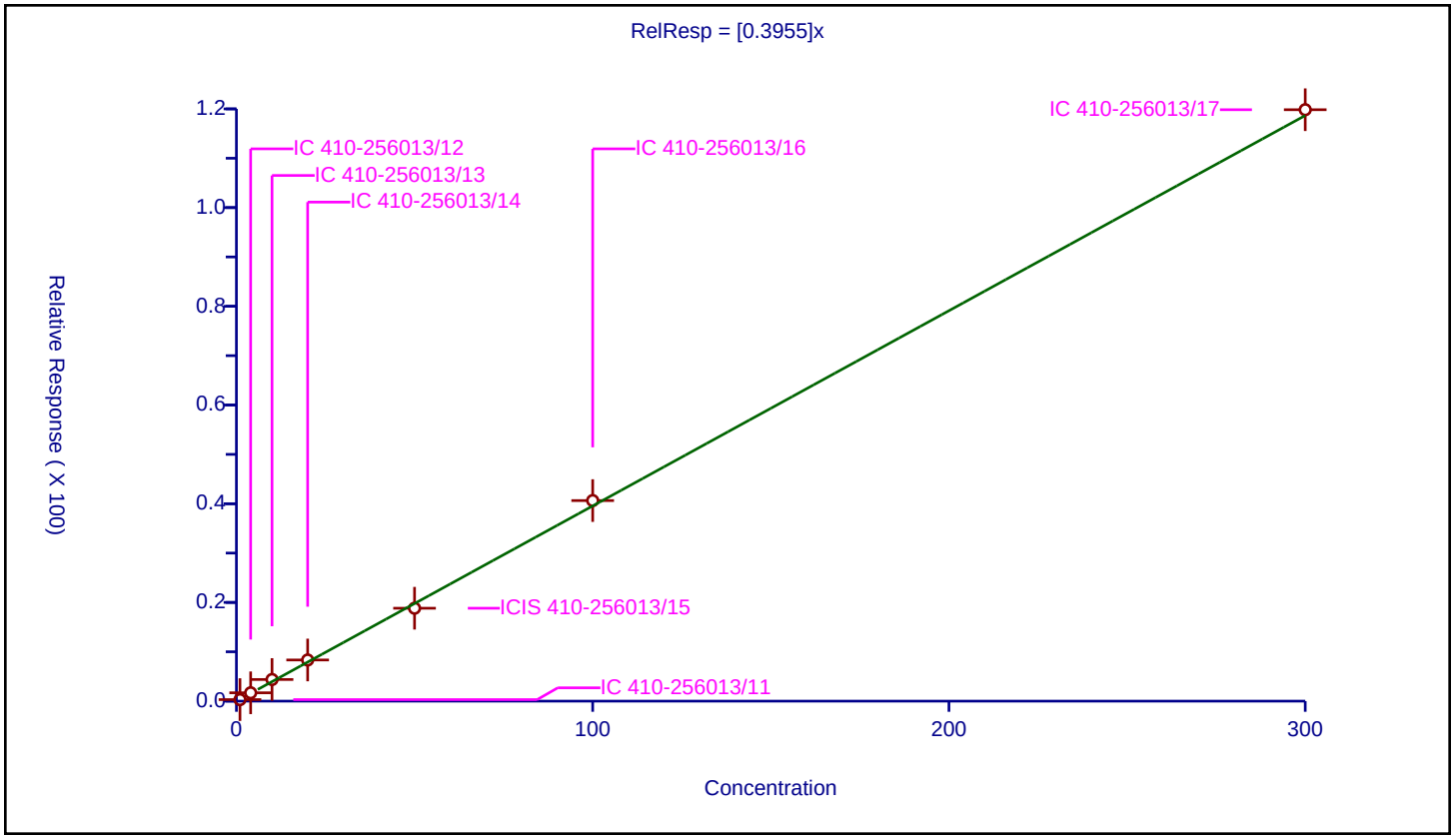
Curve Coefficients

Intercept:	0
Slope:	0.3955

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.30831	50.0	1149493.0	0.30831	Y
2	IC 410-256013/12	4.0	1.689925	50.0	1122269.0	0.422481	Y
3	IC 410-256013/13	10.0	4.385802	50.0	1097610.0	0.43858	Y
4	IC 410-256013/14	20.0	8.338823	50.0	1139999.0	0.416941	Y
5	ICIS 410-256013/15	50.0	18.827826	50.0	1188475.0	0.376557	Y
6	IC 410-256013/16	100.0	40.638408	50.0	1212657.0	0.406384	Y
7	IC 410-256013/17	300.0	119.832244	50.0	1269821.0	0.399441	Y



Calibration / Isopropyl ether

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

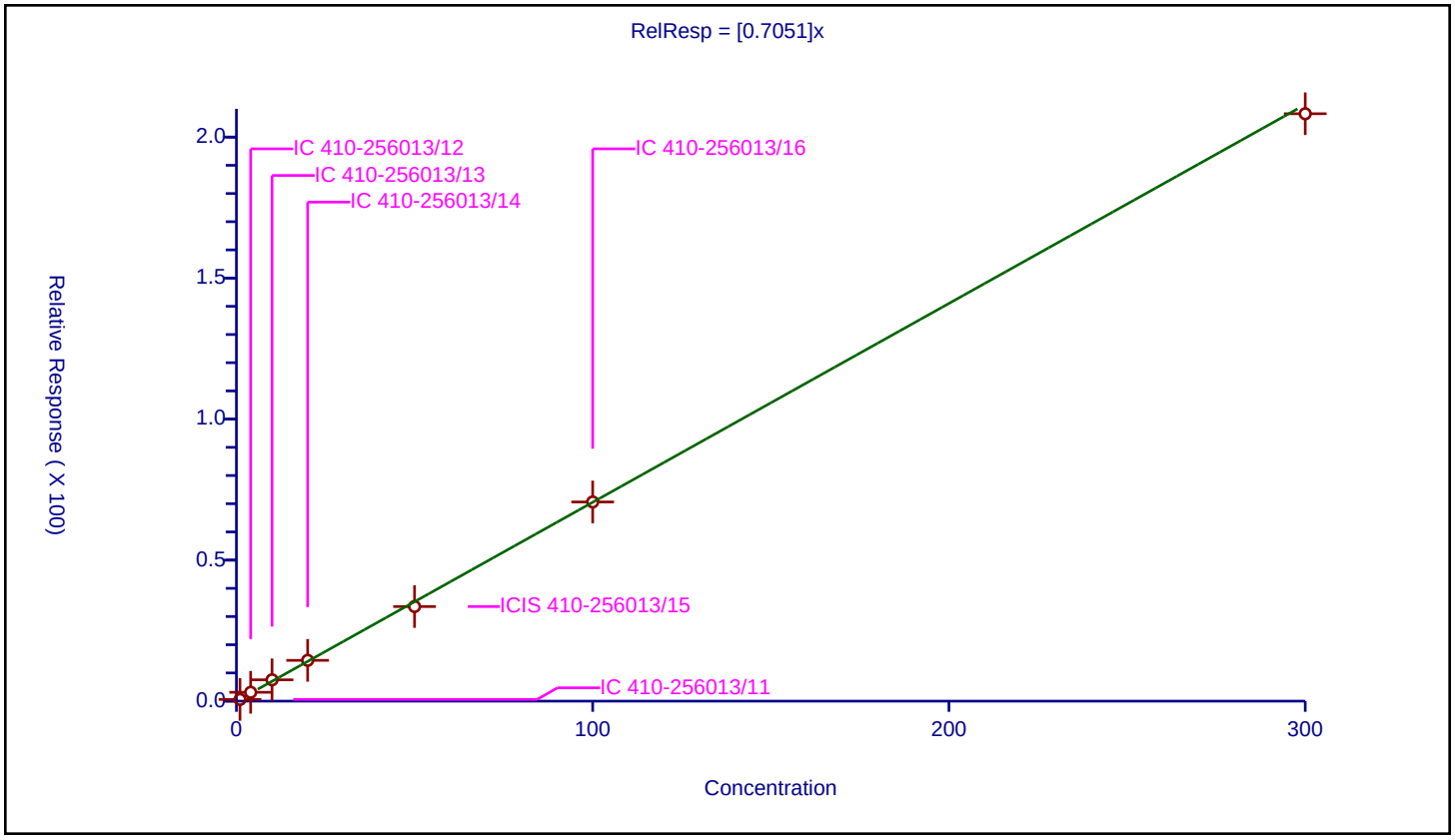
Curve Coefficients

Intercept:	0
Slope:	0.7051

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.59996	50.0	1149493.0	0.59996	Y
2	IC 410-256013/12	4.0	3.138686	50.0	1122269.0	0.784672	Y
3	IC 410-256013/13	10.0	7.562294	50.0	1097610.0	0.756229	Y
4	IC 410-256013/14	20.0	14.467293	50.0	1139999.0	0.723365	Y
5	ICIS 410-256013/15	50.0	33.544669	50.0	1188475.0	0.670893	Y
6	IC 410-256013/16	100.0	70.626566	50.0	1212657.0	0.706266	Y
7	IC 410-256013/17	300.0	208.280183	50.0	1269821.0	0.694267	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

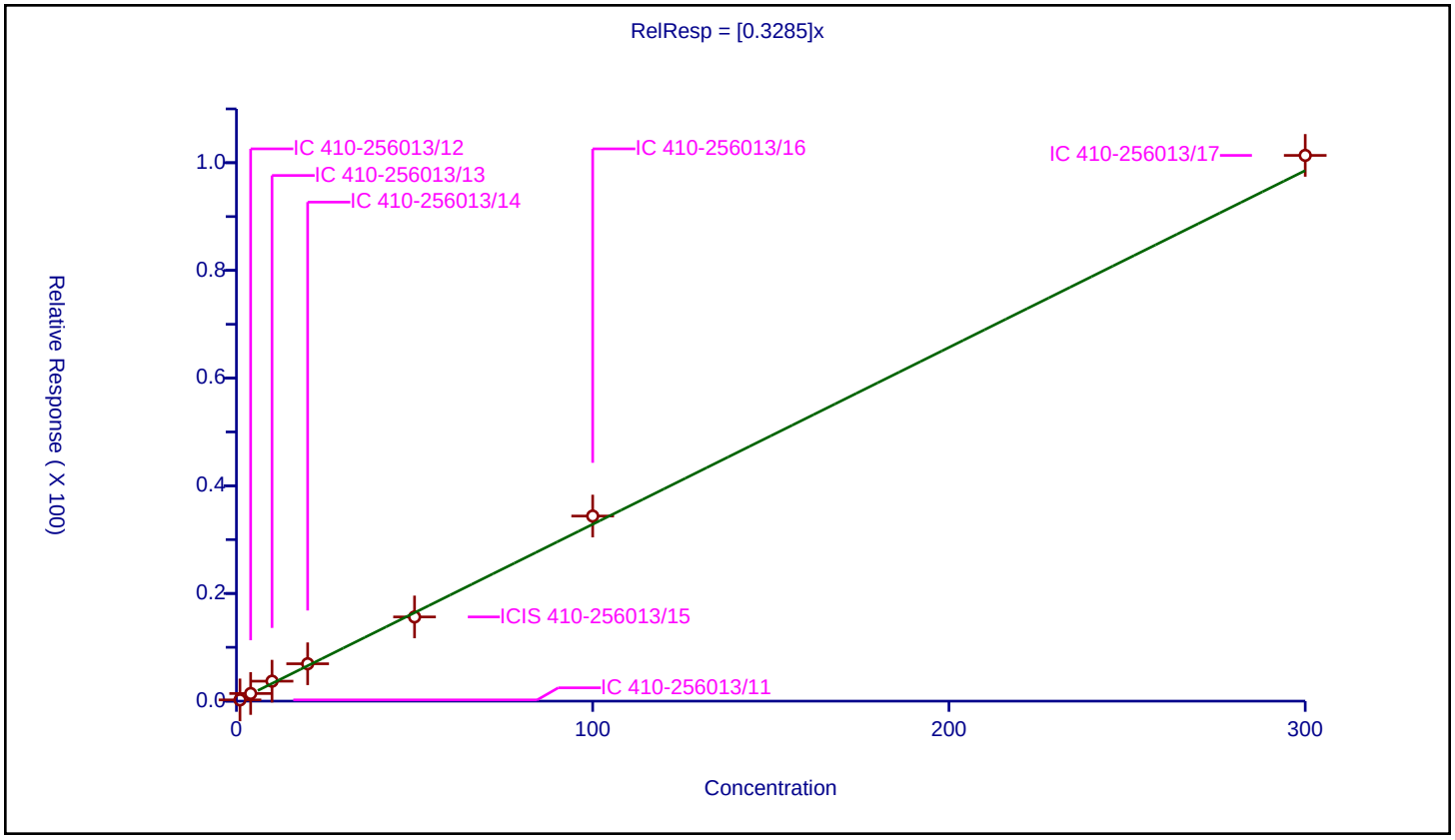
Curve Coefficients

Intercept:	0
Slope:	0.3285

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	14.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.232233	50.0	1149493.0	0.232233	Y
2	IC 410-256013/12	4.0	1.418109	50.0	1122269.0	0.354527	Y
3	IC 410-256013/13	10.0	3.709514	50.0	1097610.0	0.370951	Y
4	IC 410-256013/14	20.0	6.944875	50.0	1139999.0	0.347244	Y
5	ICIS 410-256013/15	50.0	15.638697	50.0	1188475.0	0.312774	Y
6	IC 410-256013/16	100.0	34.377775	50.0	1212657.0	0.343778	Y
7	IC 410-256013/17	300.0	101.361767	50.0	1269821.0	0.337873	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

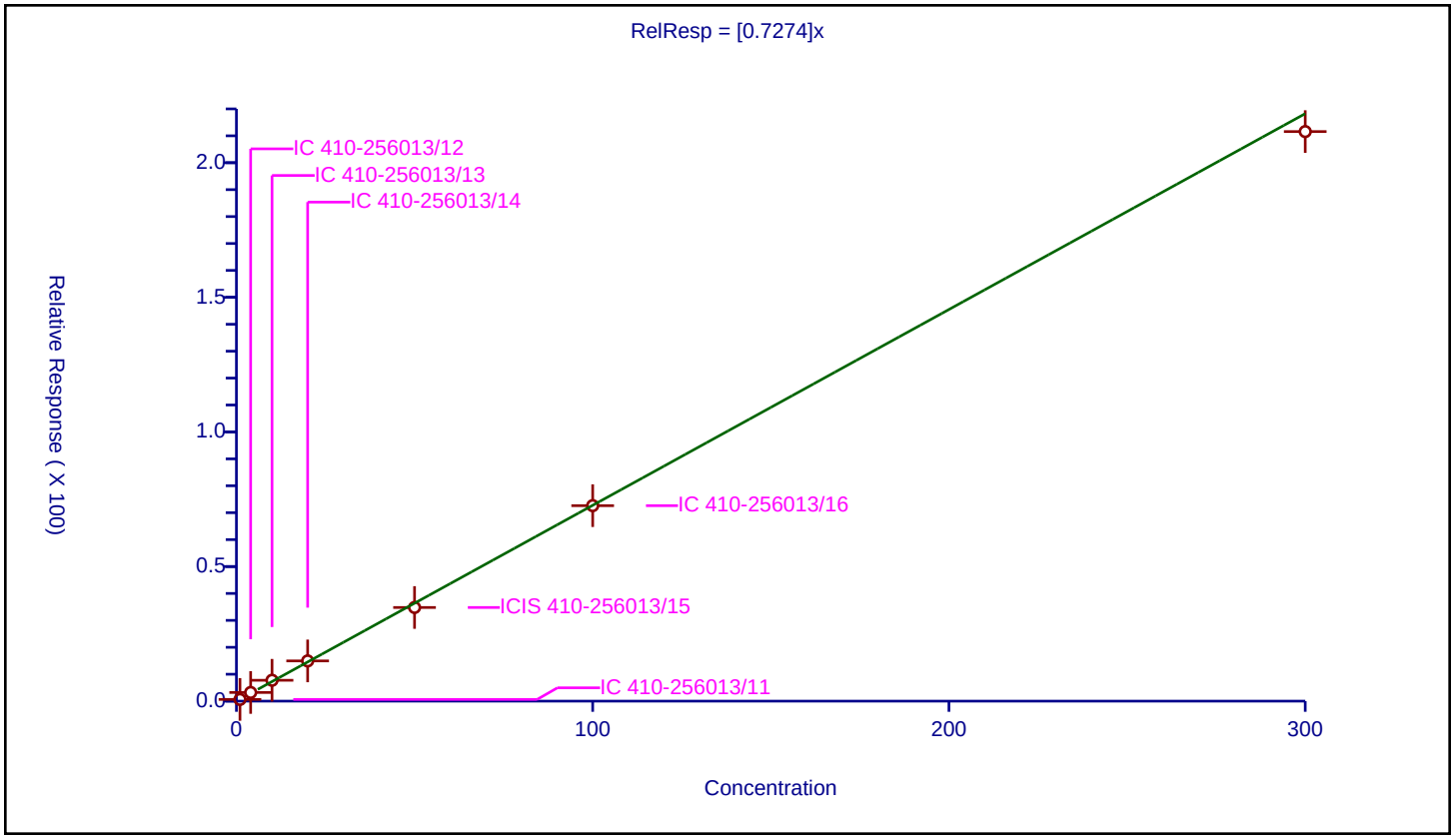
Curve Coefficients

Intercept:	0
Slope:	0.7274

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.638151	50.0	1149493.0	0.638151	Y
2	IC 410-256013/12	4.0	3.215985	50.0	1122269.0	0.803996	Y
3	IC 410-256013/13	10.0	7.752617	50.0	1097610.0	0.775262	Y
4	IC 410-256013/14	20.0	14.94668	50.0	1139999.0	0.747334	Y
5	ICIS 410-256013/15	50.0	34.793412	50.0	1188475.0	0.695868	Y
6	IC 410-256013/16	100.0	72.613278	50.0	1212657.0	0.726133	Y
7	IC 410-256013/17	300.0	211.569662	50.0	1269821.0	0.705232	Y



Calibration / 2-Butanone (MEK)

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

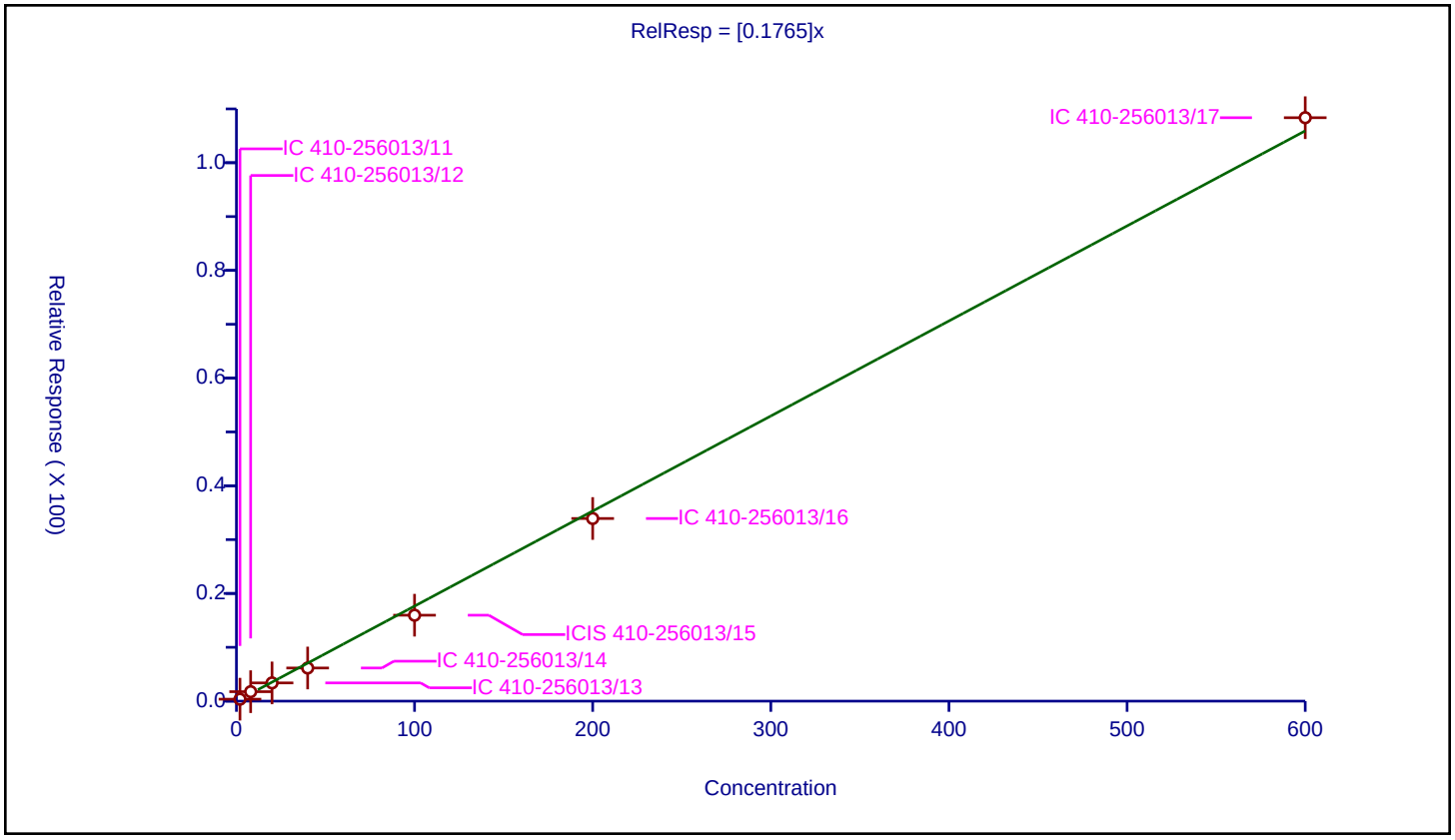
Curve Coefficients

Intercept:	0
Slope:	0.1765

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.0	0.36577	50.0	1149493.0	0.182885	Y
2	IC 410-256013/12	8.0	1.757645	50.0	1122269.0	0.219706	Y
3	IC 410-256013/13	20.0	3.387269	50.0	1097610.0	0.169363	Y
4	IC 410-256013/14	40.0	6.157111	50.0	1139999.0	0.153928	Y
5	ICIS 410-256013/15	100.0	15.959654	50.0	1188475.0	0.159597	Y
6	IC 410-256013/16	200.0	33.922123	50.0	1212657.0	0.169611	Y
7	IC 410-256013/17	600.0	108.363777	50.0	1269821.0	0.180606	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

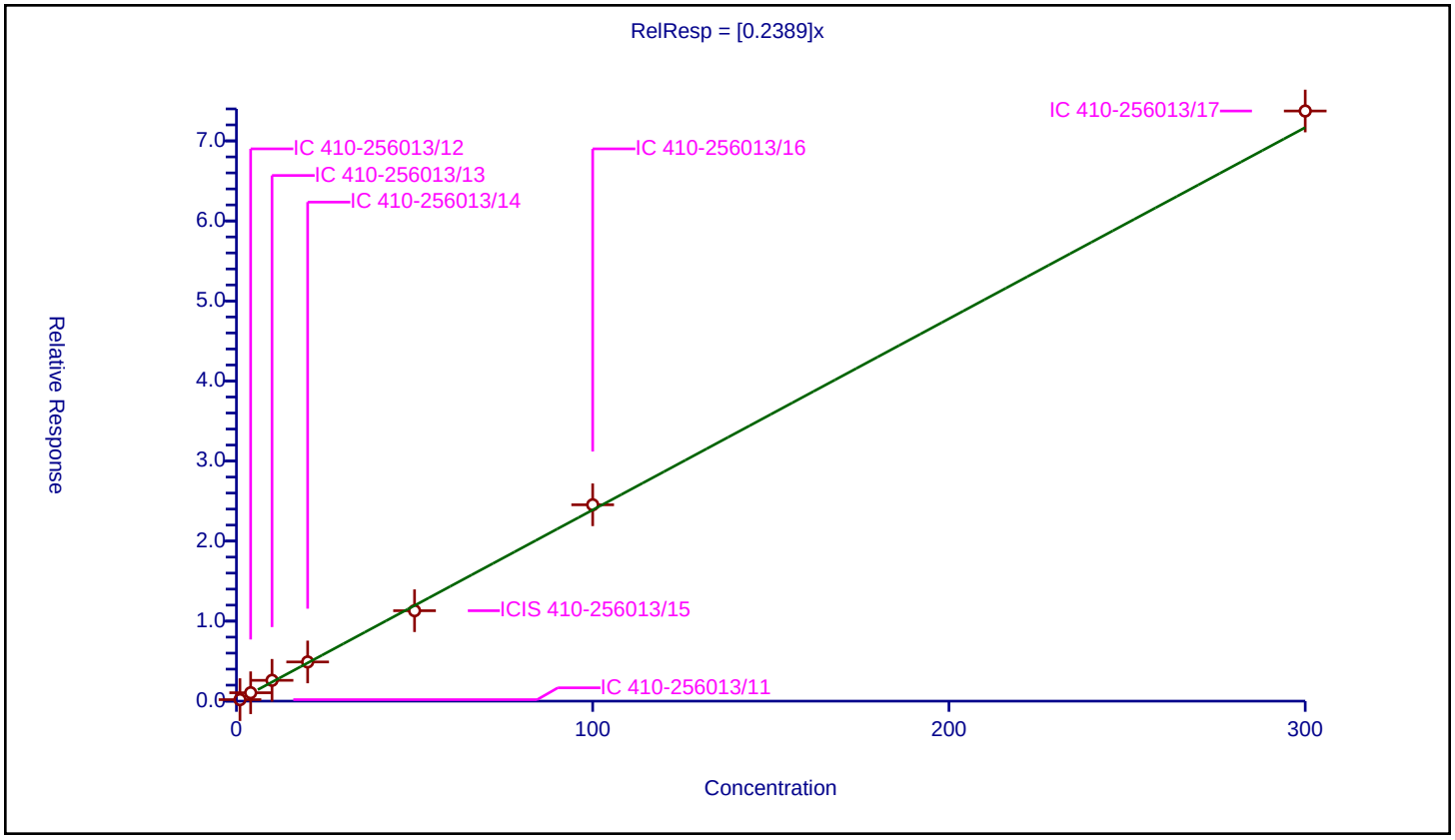
Curve Coefficients

Intercept:	0
Slope:	0.2389

Error Coefficients

Standard Error:	811000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.188083	50.0	1149493.0	0.188083	Y
2	IC 410-256013/12	4.0	1.048902	50.0	1122269.0	0.262225	Y
3	IC 410-256013/13	10.0	2.600651	50.0	1097610.0	0.260065	Y
4	IC 410-256013/14	20.0	4.897592	50.0	1139999.0	0.24488	Y
5	ICIS 410-256013/15	50.0	11.299691	50.0	1188475.0	0.225994	Y
6	IC 410-256013/16	100.0	24.534308	50.0	1212657.0	0.245343	Y
7	IC 410-256013/17	300.0	73.736416	50.0	1269821.0	0.245788	Y



Calibration / 2,2-Dichloropropane

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

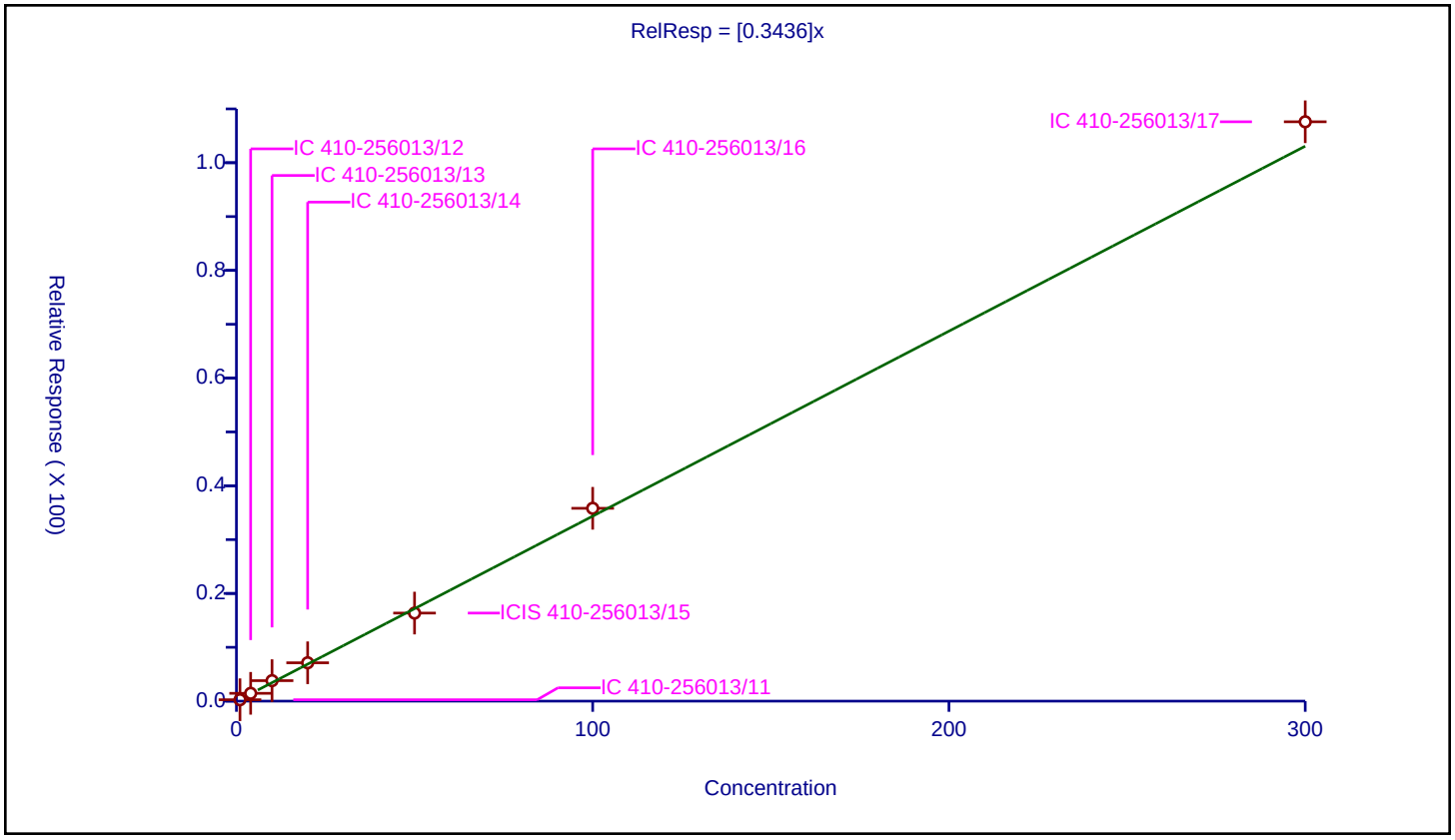
Curve Coefficients

Intercept:	0
Slope:	0.3436

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.260985	50.0	1149493.0	0.260985	Y
2	IC 410-256013/12	4.0	1.452504	50.0	1122269.0	0.363126	Y
3	IC 410-256013/13	10.0	3.805814	50.0	1097610.0	0.380581	Y
4	IC 410-256013/14	20.0	7.12755	50.0	1139999.0	0.356378	Y
5	ICIS 410-256013/15	50.0	16.358905	50.0	1188475.0	0.327178	Y
6	IC 410-256013/16	100.0	35.819527	50.0	1212657.0	0.358195	Y
7	IC 410-256013/17	300.0	107.604891	50.0	1269821.0	0.358683	Y



Calibration / Propionitrile

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

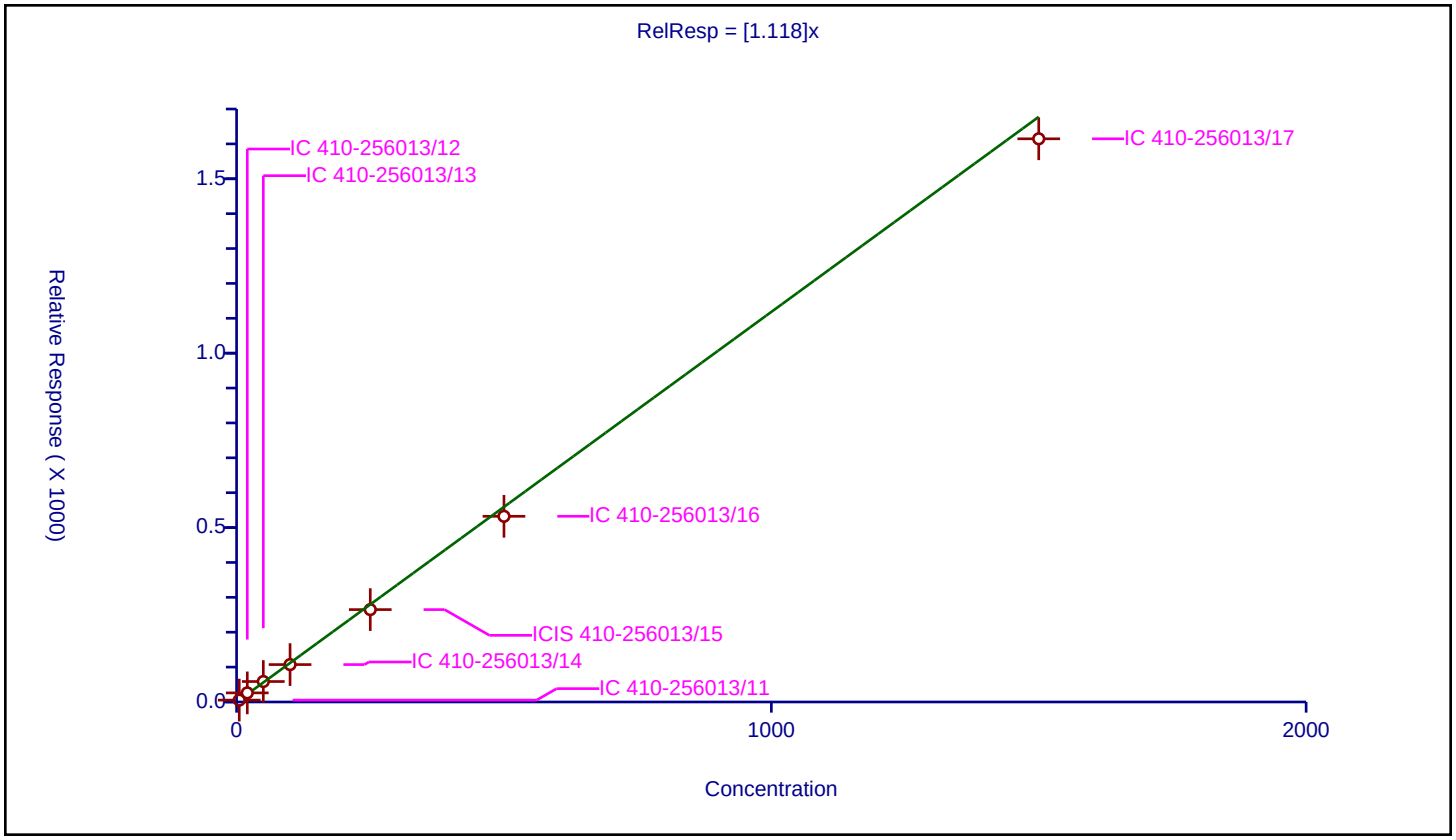
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Standard Error:	833000
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 410-256013/11	5.0	5.373739	250.0	261038.0	1.074748	Y
2	IC 410-256013/12	20.0	26.139433	250.0	259493.0	1.306972	Y
3	IC 410-256013/13	50.0	58.684844	250.0	245796.0	1.173697	Y
4	IC 410-256013/14	100.0	107.248818	250.0	260877.0	1.072488	Y
5	ICIS 410-256013/15	250.0	264.851566	250.0	276385.0	1.059406	Y
6	IC 410-256013/16	500.0	532.364803	250.0	285897.0	1.06473	Y
7	IC 410-256013/17	1500.0	1614.605245	250.0	297602.0	1.076403	Y



Calibration / Methacrylonitrile

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

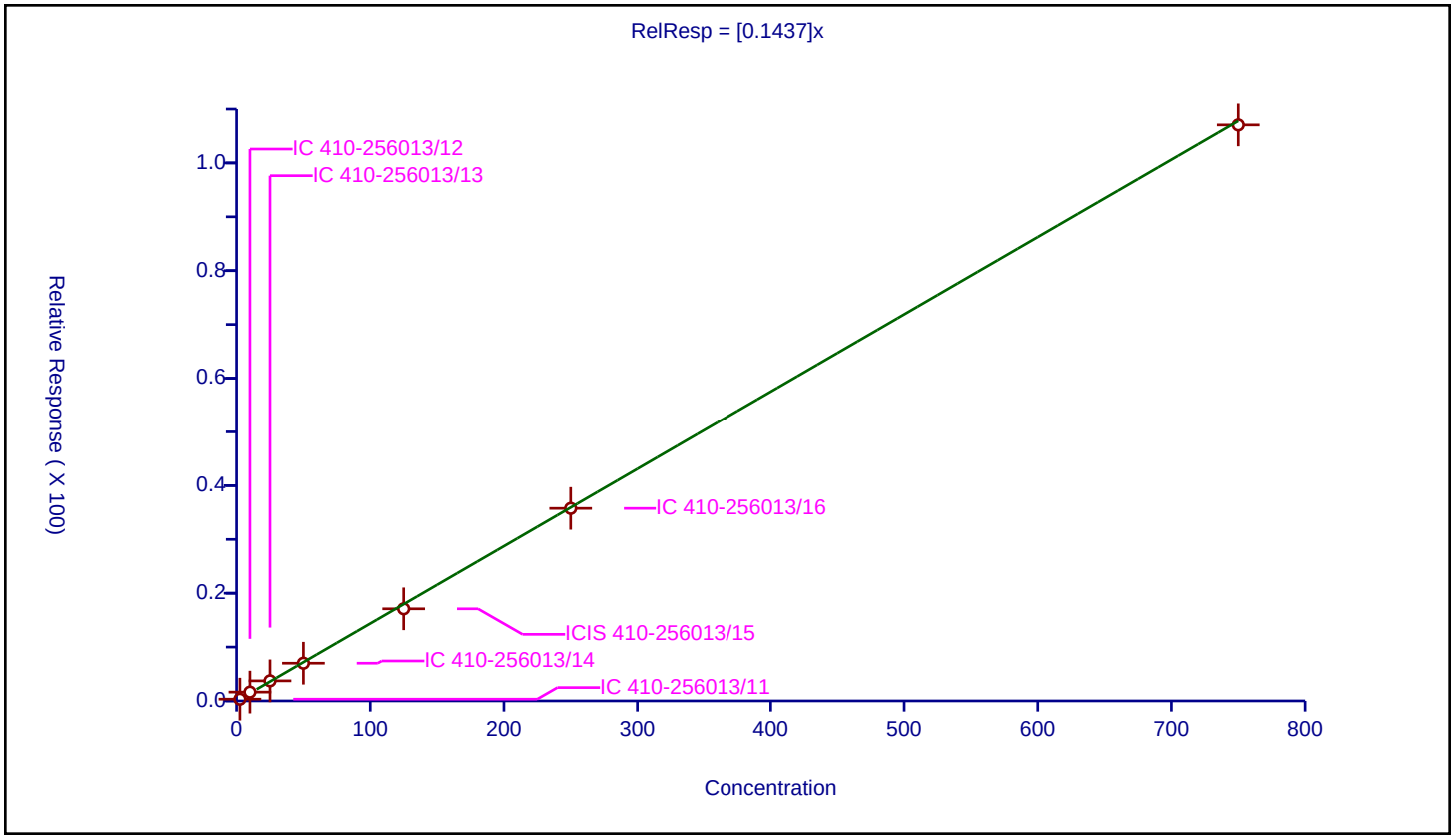
Curve Coefficients

Intercept:	0
Slope:	0.1437

Error Coefficients

Standard Error:	1180000
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 410-256013/11	2.5	0.326448	50.0	1149493.0	0.130579	Y
2	IC 410-256013/12	10.0	1.638555	50.0	1122269.0	0.163856	Y
3	IC 410-256013/13	25.0	3.725504	50.0	1097610.0	0.14902	Y
4	IC 410-256013/14	50.0	7.001892	50.0	1139999.0	0.140038	Y
5	ICIS 410-256013/15	125.0	17.103767	50.0	1188475.0	0.13683	Y
6	IC 410-256013/16	250.0	35.767163	50.0	1212657.0	0.143069	Y
7	IC 410-256013/17	750.0	107.064303	50.0	1269821.0	0.142752	Y



Calibration / Chlorobromomethane

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

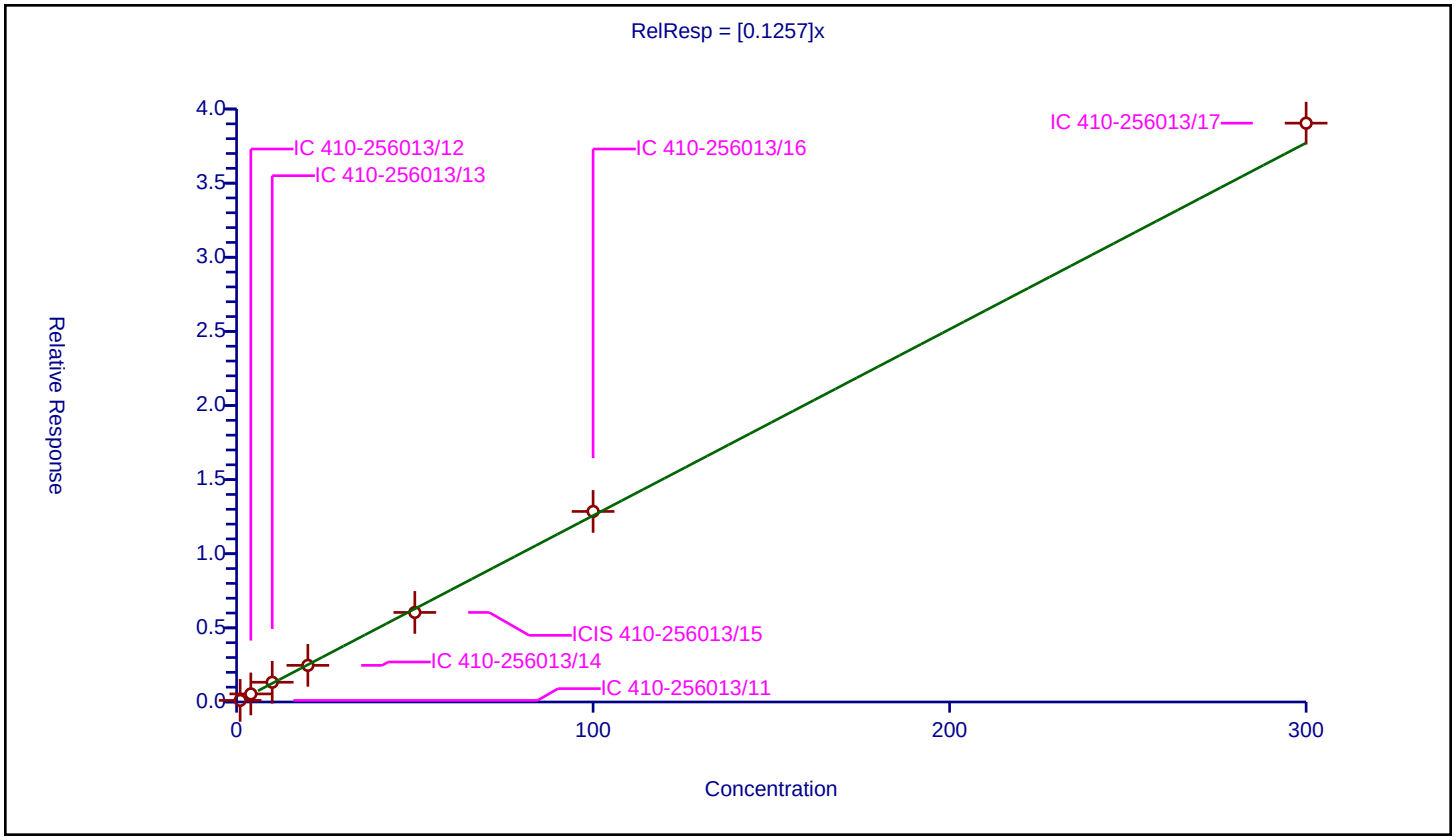
Curve Coefficients

Intercept:	0
Slope:	0.1257

Error Coefficients

Standard Error:	429000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.10783	50.0	1149493.0	0.10783	Y
2	IC 410-256013/12	4.0	0.543675	50.0	1122269.0	0.135919	Y
3	IC 410-256013/13	10.0	1.331712	50.0	1097610.0	0.133171	Y
4	IC 410-256013/14	20.0	2.47123	50.0	1139999.0	0.123562	Y
5	ICIS 410-256013/15	50.0	6.041734	50.0	1188475.0	0.120835	Y
6	IC 410-256013/16	100.0	12.852975	50.0	1212657.0	0.12853	Y
7	IC 410-256013/17	300.0	39.0457	50.0	1269821.0	0.130152	Y



Calibration / Tetrahydrofuran

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

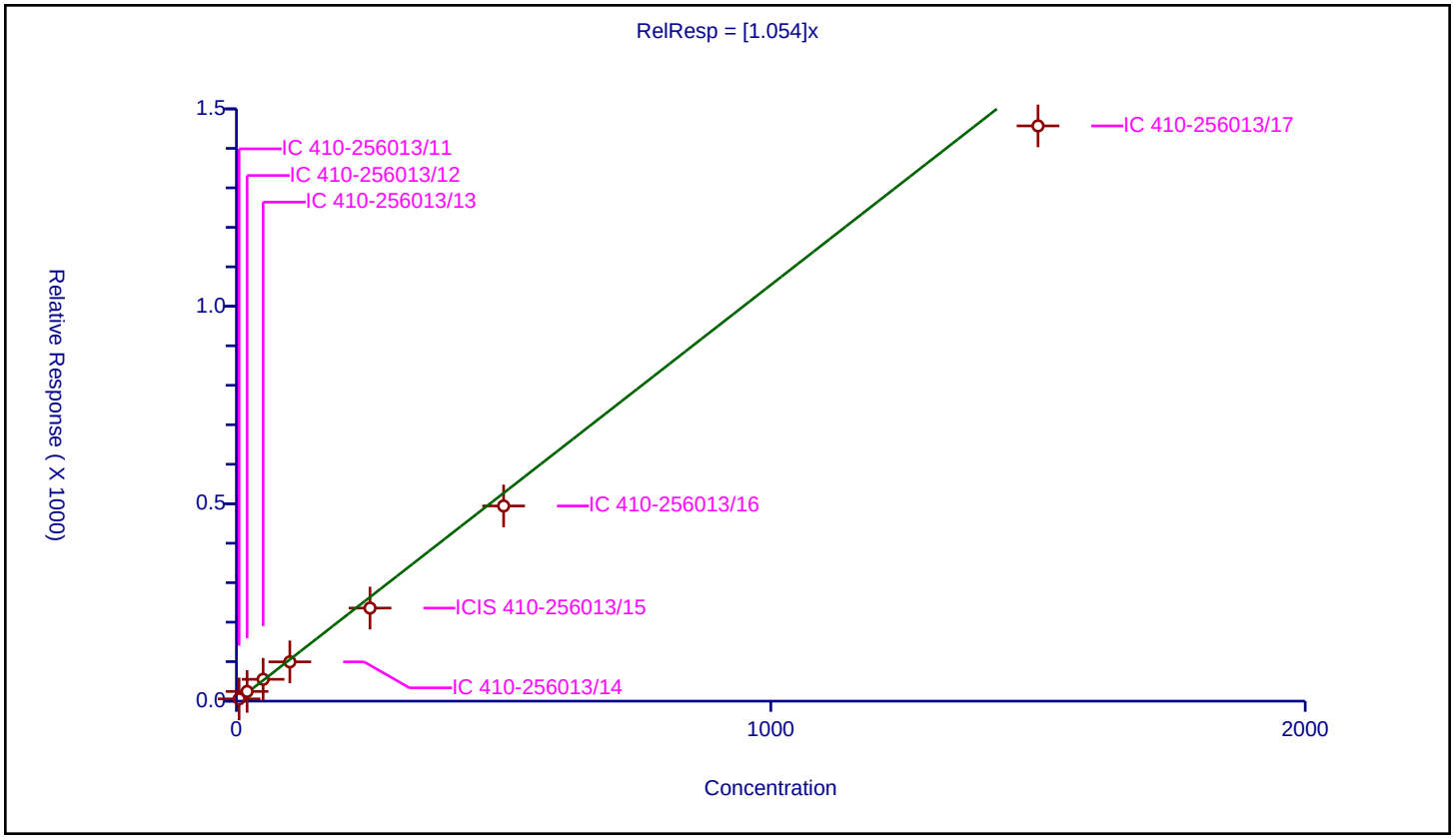
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Standard Error:	753000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	5.0	5.72522	250.0	261038.0	1.145044	Y
2	IC 410-256013/12	20.0	24.6076	250.0	259493.0	1.23038	Y
3	IC 410-256013/13	50.0	55.250085	250.0	245796.0	1.105002	Y
4	IC 410-256013/14	100.0	99.534455	250.0	260877.0	0.995345	Y
5	ICIS 410-256013/15	250.0	235.74995	250.0	276385.0	0.943	Y
6	IC 410-256013/16	500.0	494.372099	250.0	285897.0	0.988744	Y
7	IC 410-256013/17	1500.0	1456.900491	250.0	297602.0	0.971267	Y



Calibration / Chloroform

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

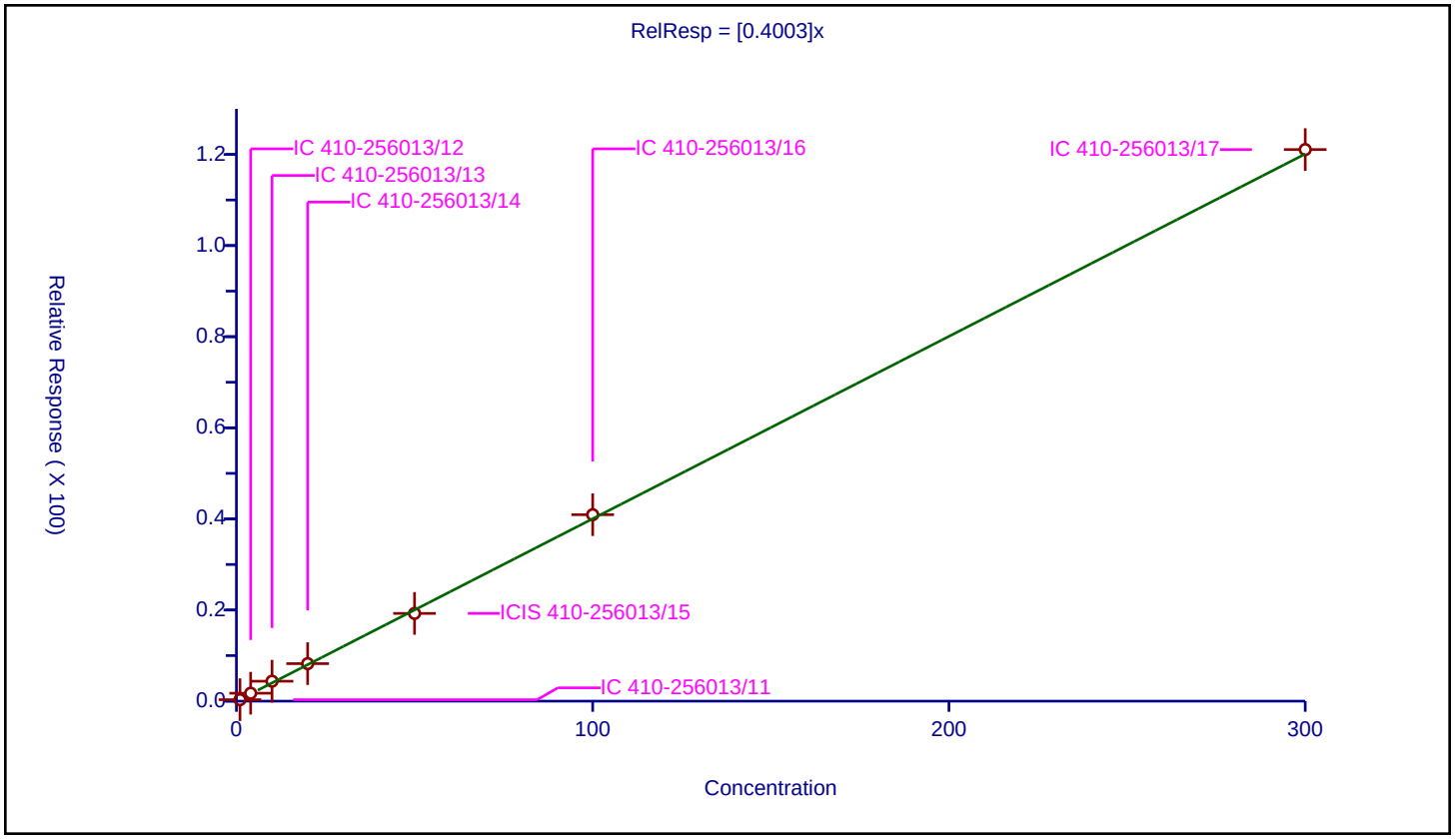
Curve Coefficients

Intercept:	0
Slope:	0.4003

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.319706	50.0	1149493.0	0.319706	Y
2	IC 410-256013/12	4.0	1.74116	50.0	1122269.0	0.43529	Y
3	IC 410-256013/13	10.0	4.378286	50.0	1097610.0	0.437829	Y
4	IC 410-256013/14	20.0	8.233384	50.0	1139999.0	0.411669	Y
5	ICIS 410-256013/15	50.0	19.252403	50.0	1188475.0	0.385048	Y
6	IC 410-256013/16	100.0	40.924557	50.0	1212657.0	0.409246	Y
7	IC 410-256013/17	300.0	121.072222	50.0	1269821.0	0.403574	Y



Calibration / Dibromofluoromethane (Surr)

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

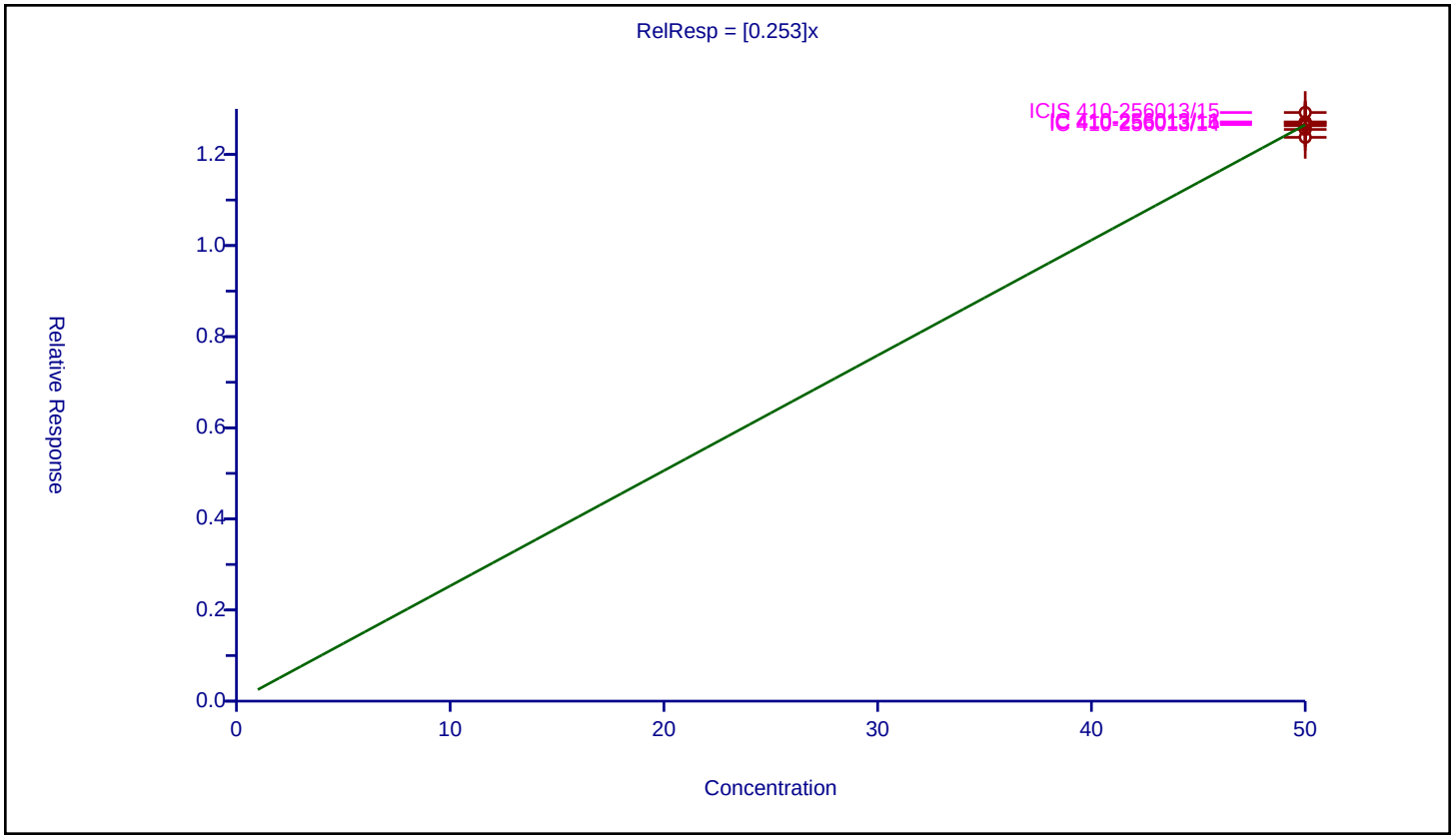
Curve Coefficients

Intercept:	0
Slope:	0.253

Error Coefficients

Standard Error:	320000
Relative Standard Error:	1.3
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	50.0	12.714258	50.0	1149493.0	0.254285	Y
2	IC 410-256013/12	50.0	12.549175	50.0	1122269.0	0.250983	Y
3	IC 410-256013/13	50.0	12.375662	50.0	1097610.0	0.247513	Y
4	IC 410-256013/14	50.0	12.65523	50.0	1139999.0	0.253105	Y
5	ICIS 410-256013/15	50.0	12.920844	50.0	1188475.0	0.258417	Y
6	IC 410-256013/16	50.0	12.700087	50.0	1212657.0	0.254002	Y
7	IC 410-256013/17	50.0	12.630914	50.0	1269821.0	0.252618	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

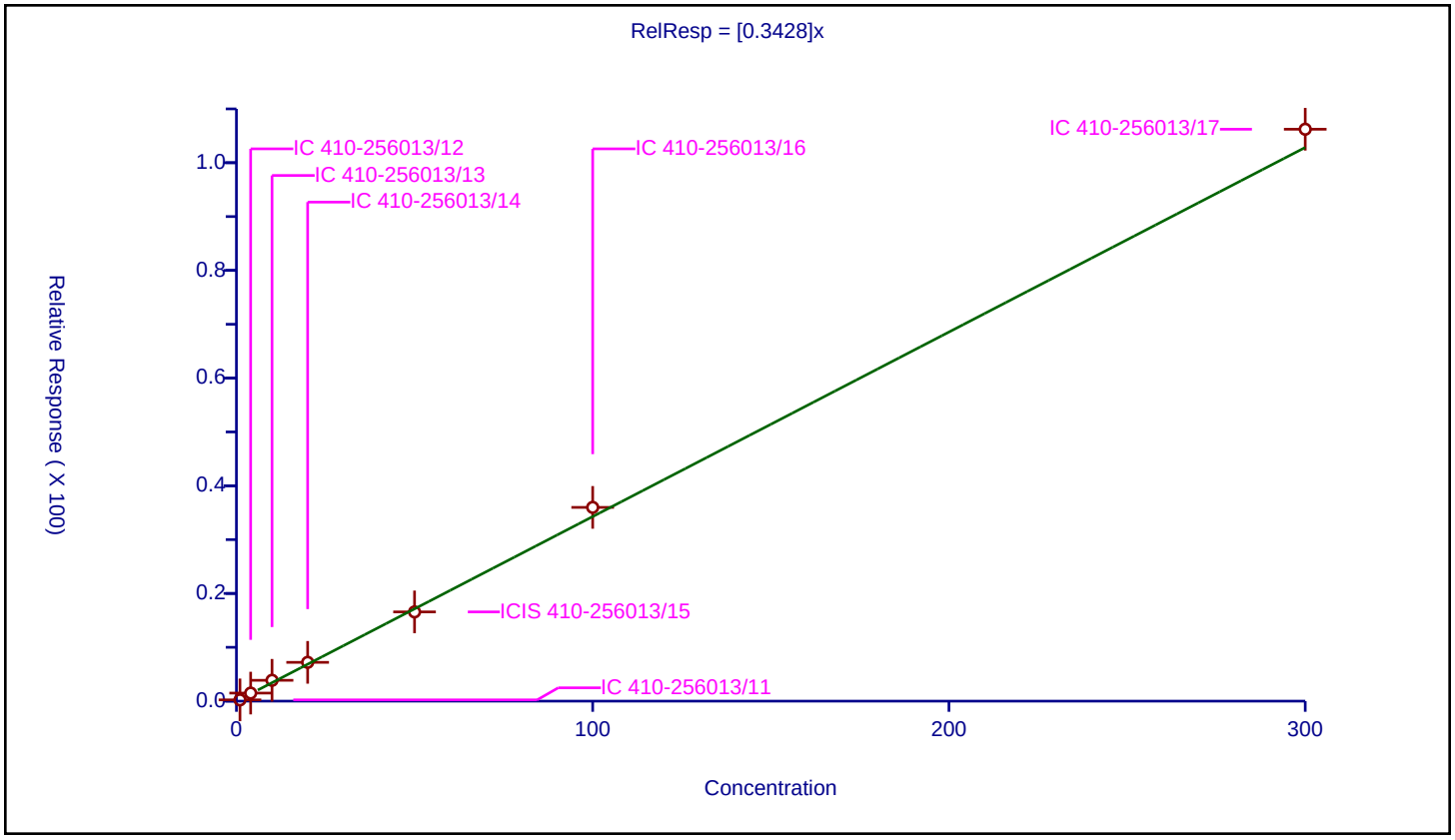
Curve Coefficients

Intercept:	0
Slope:	0.3428

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.23319	50.0	1149493.0	0.23319	Y
2	IC 410-256013/12	4.0	1.49416	50.0	1122269.0	0.37354	Y
3	IC 410-256013/13	10.0	3.868997	50.0	1097610.0	0.3869	Y
4	IC 410-256013/14	20.0	7.207462	50.0	1139999.0	0.360373	Y
5	ICIS 410-256013/15	50.0	16.576285	50.0	1188475.0	0.331526	Y
6	IC 410-256013/16	100.0	35.986433	50.0	1212657.0	0.359864	Y
7	IC 410-256013/17	300.0	106.218672	50.0	1269821.0	0.354062	Y



Calibration / Cyclohexane

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

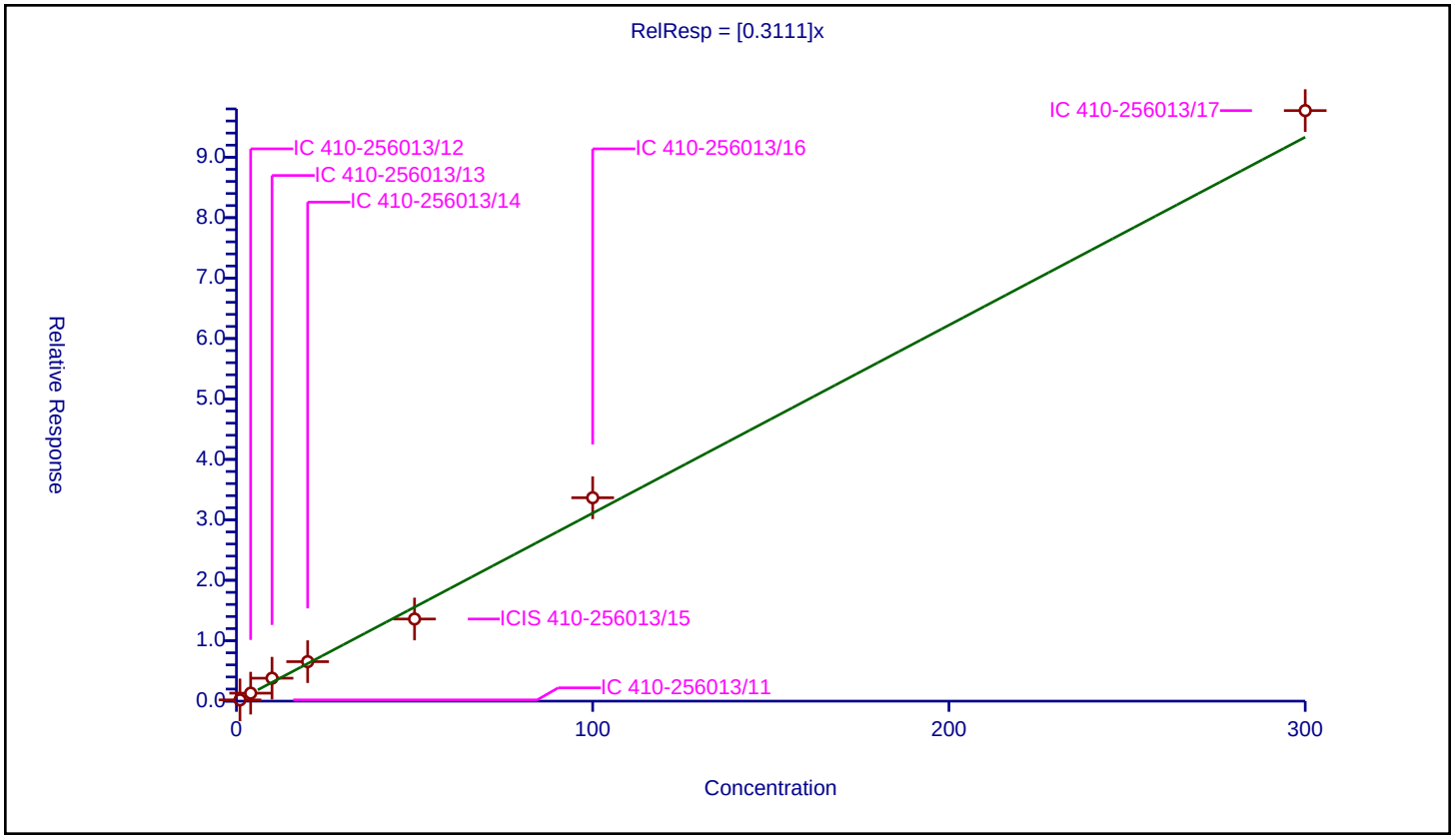
Curve Coefficients

Intercept:	0
Slope:	0.3111

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	17.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.207004	50.0	1149493.0	0.207004	Y
2	IC 410-256013/12	4.0	1.320183	50.0	1122269.0	0.330046	Y
3	IC 410-256013/13	10.0	3.797751	50.0	1097610.0	0.379775	Y
4	IC 410-256013/14	20.0	6.534041	50.0	1139999.0	0.326702	Y
5	ICIS 410-256013/15	50.0	13.59061	50.0	1188475.0	0.271812	Y
6	IC 410-256013/16	100.0	33.654859	50.0	1212657.0	0.336549	Y
7	IC 410-256013/17	300.0	97.718497	50.0	1269821.0	0.325728	Y



Calibration / Carbon tetrachloride

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

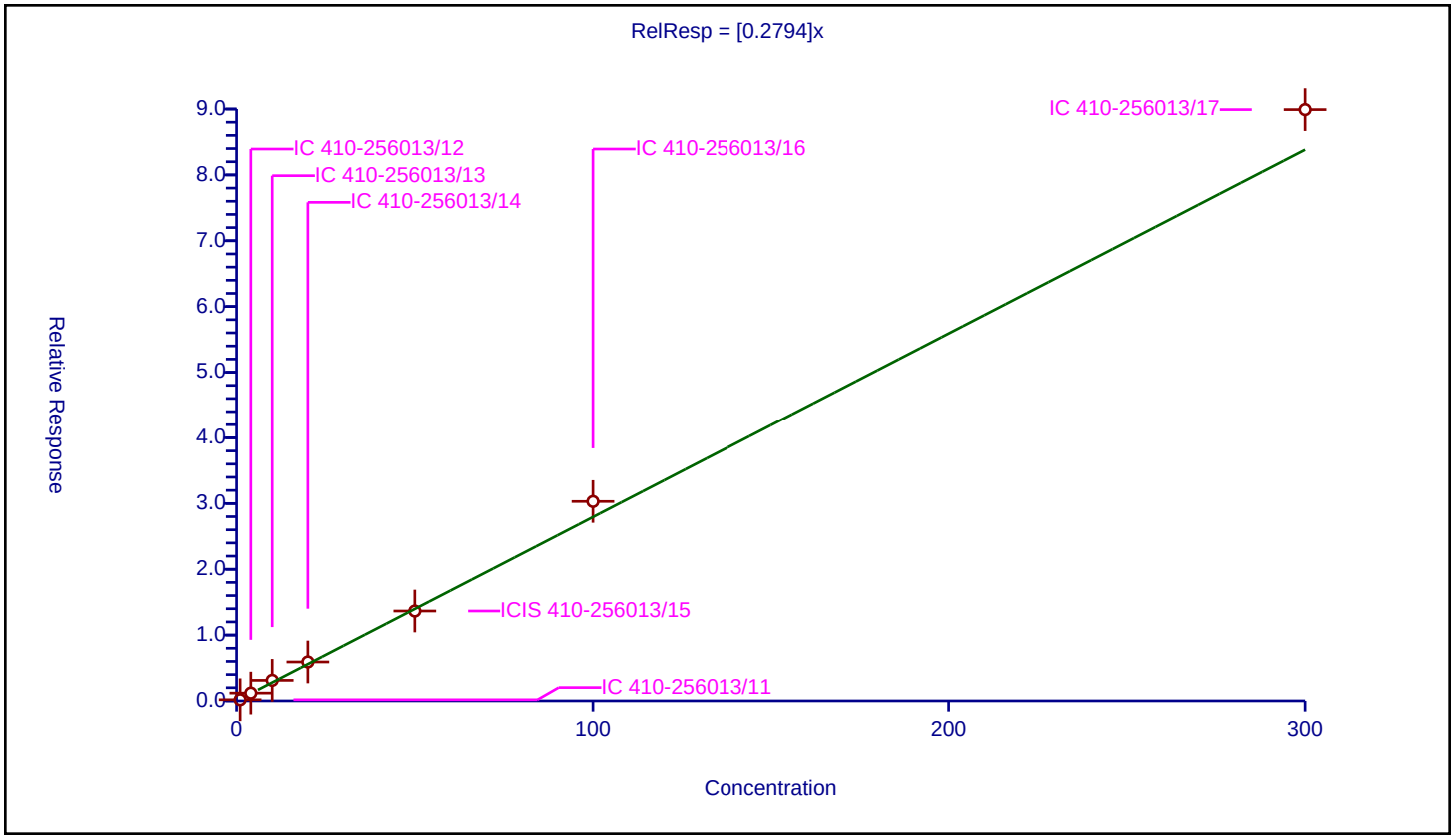
Curve Coefficients

Intercept:	0
Slope:	0.2794

Error Coefficients

Standard Error:	990000
Relative Standard Error:	17.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.175425	50.0	1149493.0	0.175425	Y
2	IC 410-256013/12	4.0	1.186614	50.0	1122269.0	0.296653	Y
3	IC 410-256013/13	10.0	3.123286	50.0	1097610.0	0.312329	Y
4	IC 410-256013/14	20.0	5.913733	50.0	1139999.0	0.295687	Y
5	ICIS 410-256013/15	50.0	13.655904	50.0	1188475.0	0.273118	Y
6	IC 410-256013/16	100.0	30.31257	50.0	1212657.0	0.303126	Y
7	IC 410-256013/17	300.0	89.911846	50.0	1269821.0	0.299706	Y



Calibration / 1,1-Dichloropropene

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

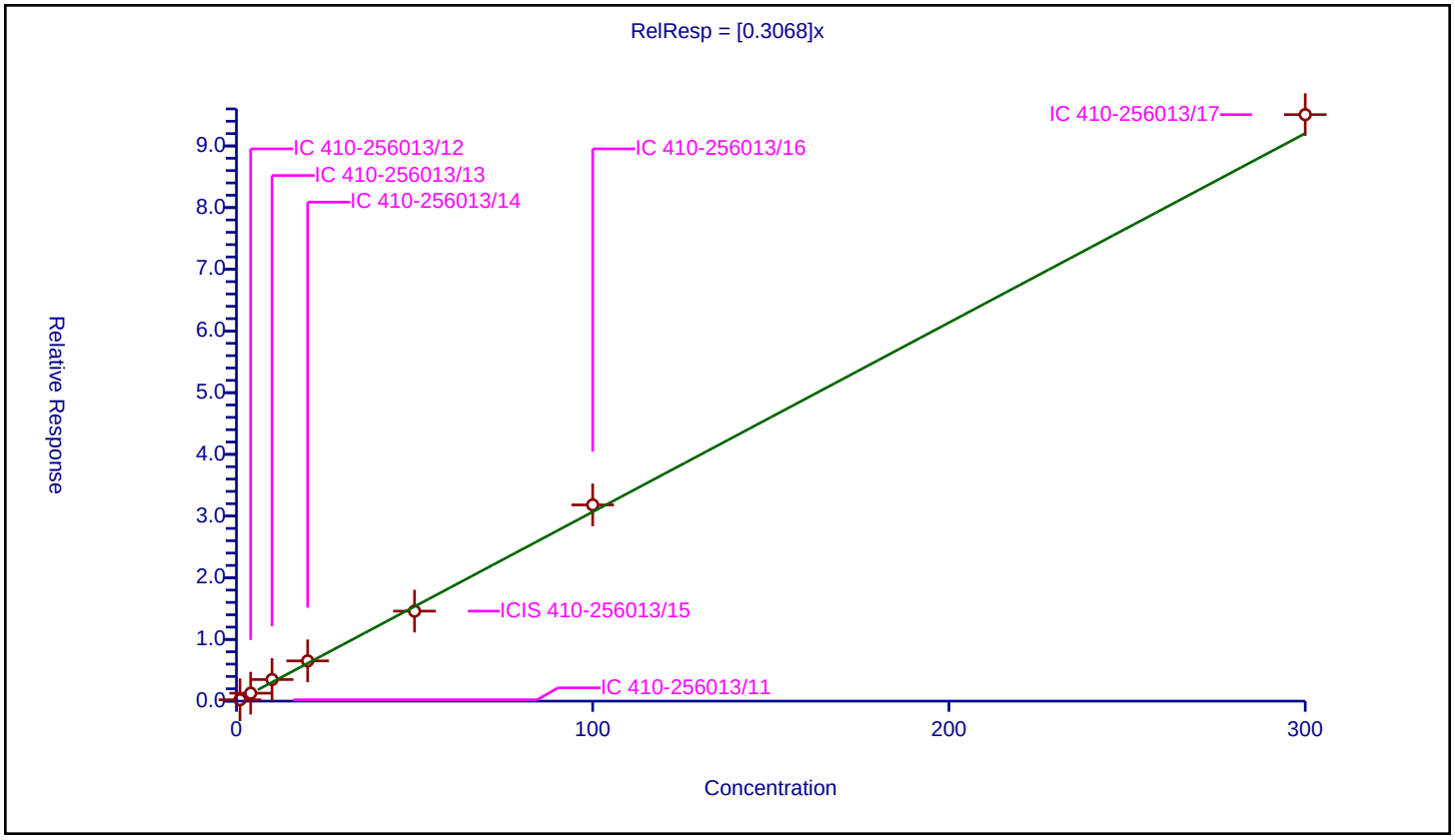
Curve Coefficients

Intercept:	0
Slope:	0.3068

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.222707	50.0	1149493.0	0.222707	Y
2	IC 410-256013/12	4.0	1.286679	50.0	1122269.0	0.32167	Y
3	IC 410-256013/13	10.0	3.499558	50.0	1097610.0	0.349956	Y
4	IC 410-256013/14	20.0	6.5229	50.0	1139999.0	0.326145	Y
5	ICIS 410-256013/15	50.0	14.590252	50.0	1188475.0	0.291805	Y
6	IC 410-256013/16	100.0	31.810809	50.0	1212657.0	0.318108	Y
7	IC 410-256013/17	300.0	95.070368	50.0	1269821.0	0.316901	Y



Calibration / Isobutyl alcohol

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

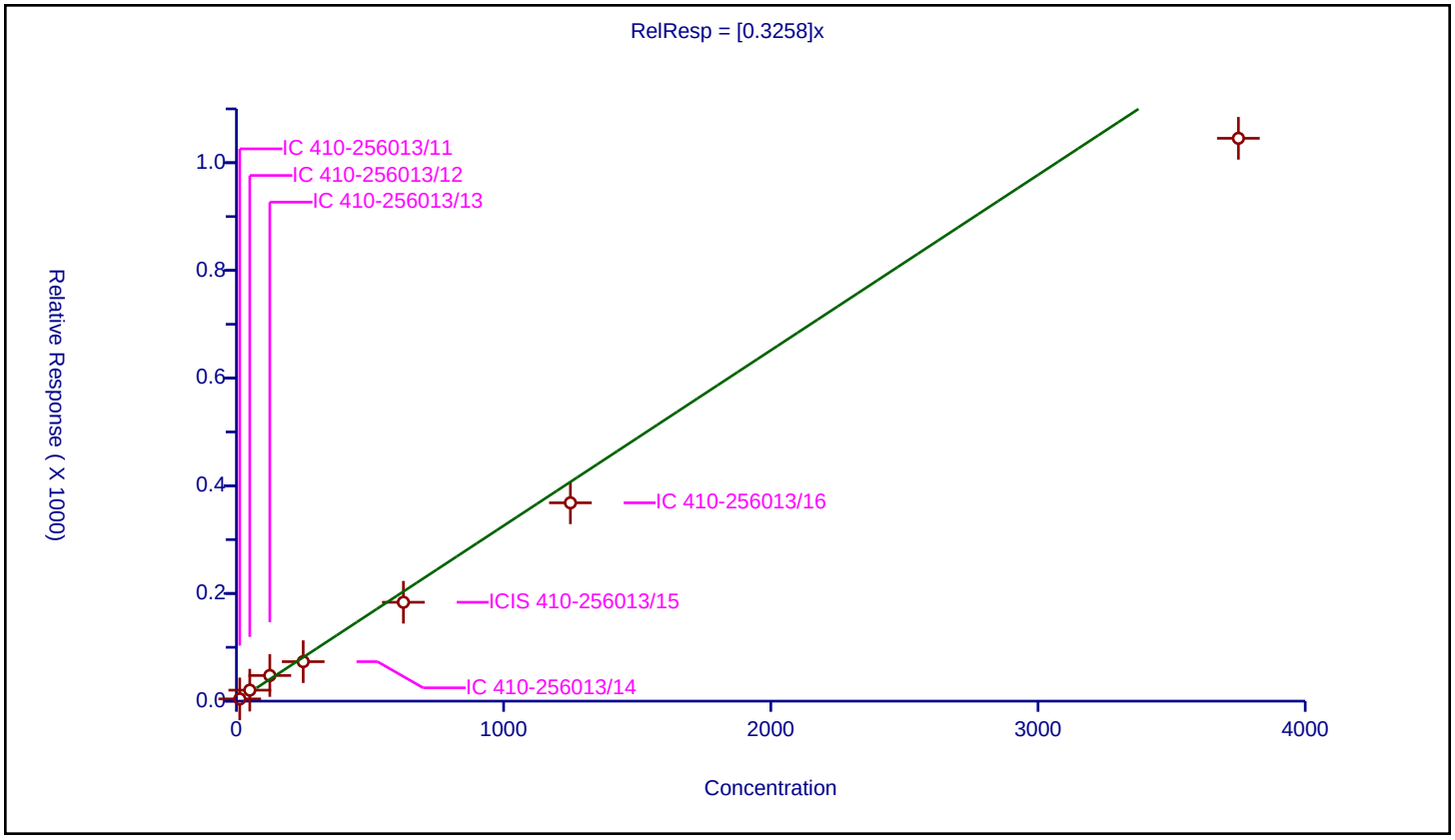
Curve Coefficients

Intercept:	0
Slope:	0.3258

Error Coefficients

Standard Error:	544000
Relative Standard Error:	15.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	12.5	4.130625	250.0	261038.0	0.33045	Y
2	IC 410-256013/12	50.0	20.425406	250.0	259493.0	0.408508	Y
3	IC 410-256013/13	125.0	47.608586	250.0	245796.0	0.380869	Y
4	IC 410-256013/14	250.0	73.346826	250.0	260877.0	0.293387	Y
5	ICIS 410-256013/15	625.0	183.645097	250.0	276385.0	0.293832	Y
6	IC 410-256013/16	1250.0	368.354687	250.0	285897.0	0.294684	Y
7	IC 410-256013/17	3750.0	1045.402081	250.0	297602.0	0.278774	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

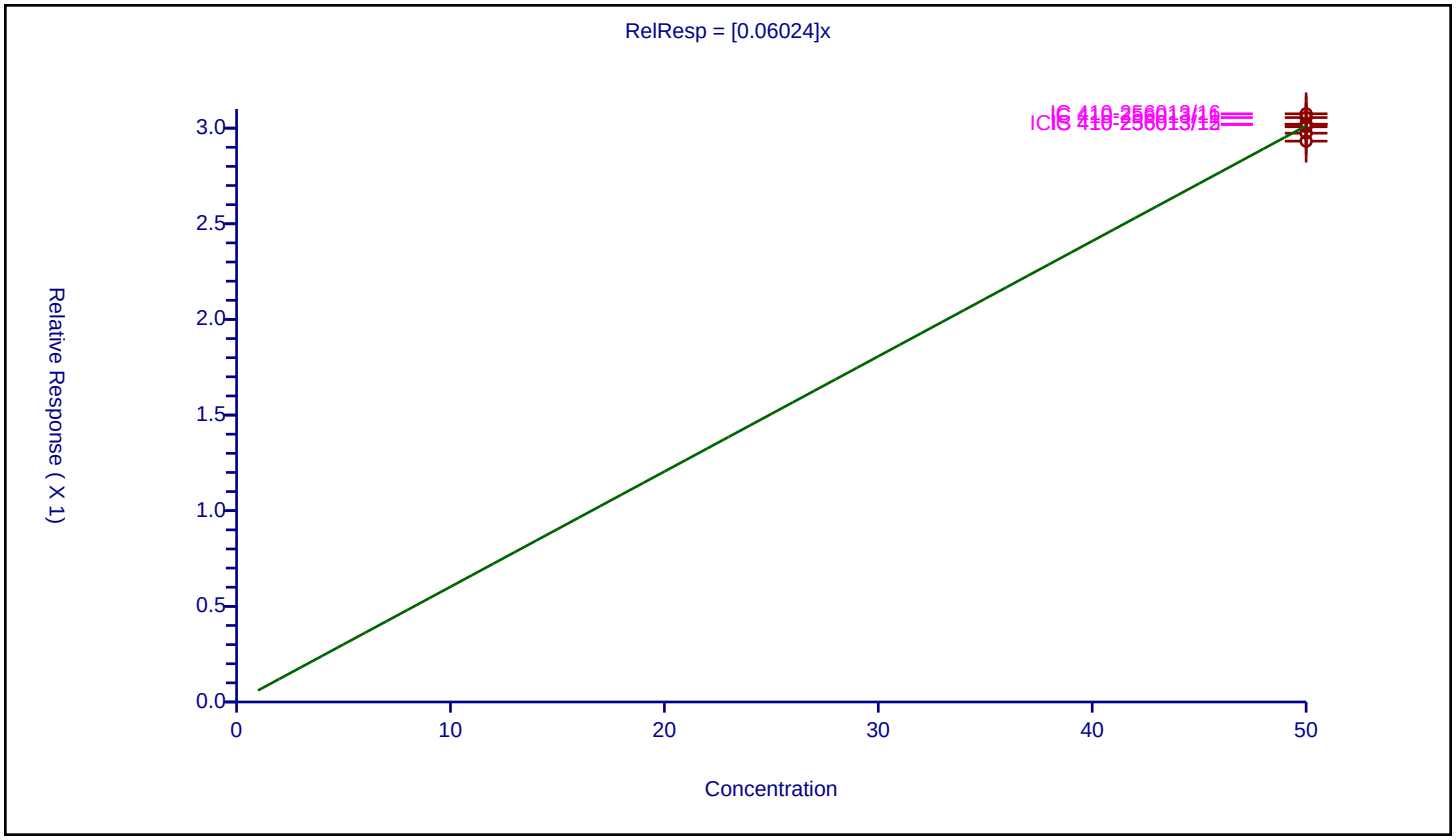
Curve Coefficients

Intercept:	0
Slope:	0.06024

Error Coefficients

Standard Error:	76100
Relative Standard Error:	1.6
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	50.0	3.055217	50.0	1149493.0	0.061104	Y
2	IC 410-256013/12	50.0	3.018973	50.0	1122269.0	0.060379	Y
3	IC 410-256013/13	50.0	2.932052	50.0	1097610.0	0.058641	Y
4	IC 410-256013/14	50.0	3.007196	50.0	1139999.0	0.060144	Y
5	ICIS 410-256013/15	50.0	3.02072	50.0	1188475.0	0.060414	Y
6	IC 410-256013/16	50.0	3.075107	50.0	1212657.0	0.061502	Y
7	IC 410-256013/17	50.0	2.973726	50.0	1269821.0	0.059475	Y



Calibration / Benzene

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

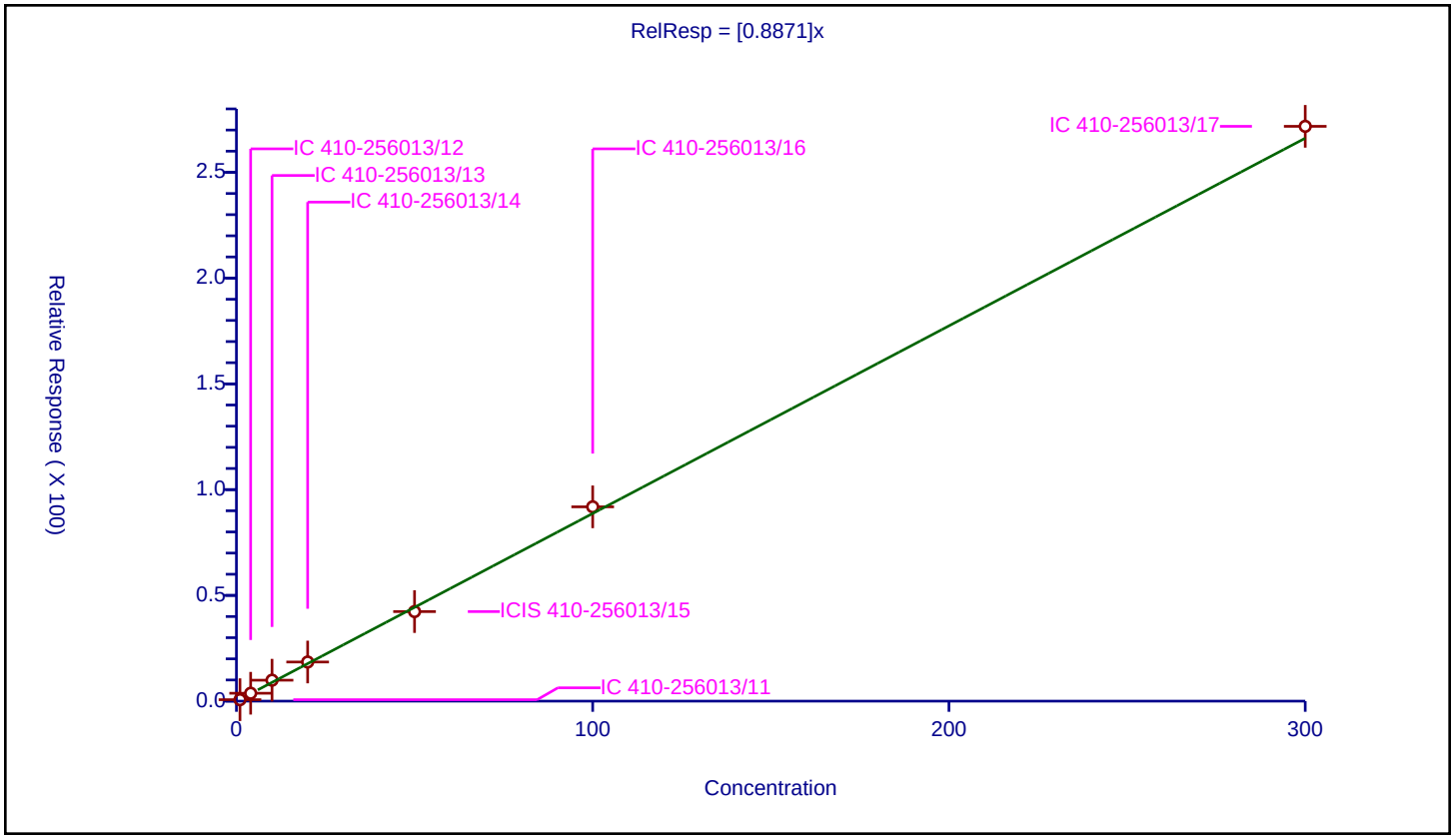
Curve Coefficients

Intercept:	0
Slope:	0.8871

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.69013	50.0	1149493.0	0.69013	Y
2	IC 410-256013/12	4.0	3.729186	50.0	1122269.0	0.932297	Y
3	IC 410-256013/13	10.0	9.908164	50.0	1097610.0	0.990816	Y
4	IC 410-256013/14	20.0	18.502999	50.0	1139999.0	0.92515	Y
5	ICIS 410-256013/15	50.0	42.345106	50.0	1188475.0	0.846902	Y
6	IC 410-256013/16	100.0	91.868847	50.0	1212657.0	0.918688	Y
7	IC 410-256013/17	300.0	271.752593	50.0	1269821.0	0.905842	Y



Calibration / 1,2-Dichloroethane

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

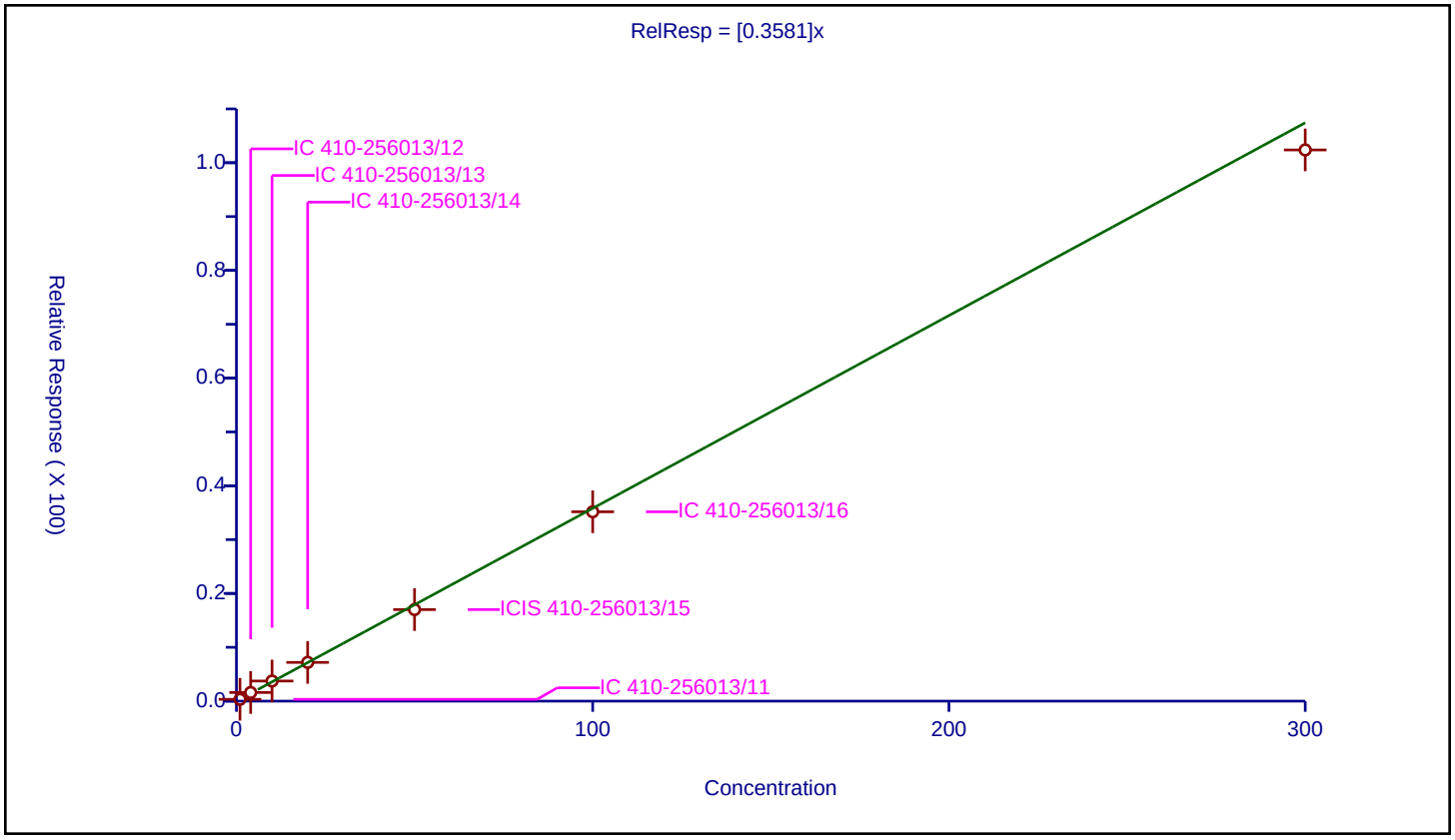
Curve Coefficients

Intercept:	0
Slope:	0.3581

Error Coefficients

Standard Error:	1130000
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 410-256013/11	1.0	0.338976	50.0	1149493.0	0.338976	Y
2	IC 410-256013/12	4.0	1.604695	50.0	1122269.0	0.401174	Y
3	IC 410-256013/13	10.0	3.737165	50.0	1097610.0	0.373717	Y
4	IC 410-256013/14	20.0	7.193384	50.0	1139999.0	0.359669	Y
5	ICIS 410-256013/15	50.0	17.002461	50.0	1188475.0	0.340049	Y
6	IC 410-256013/16	100.0	35.171776	50.0	1212657.0	0.351718	Y
7	IC 410-256013/17	300.0	102.379233	50.0	1269821.0	0.341264	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

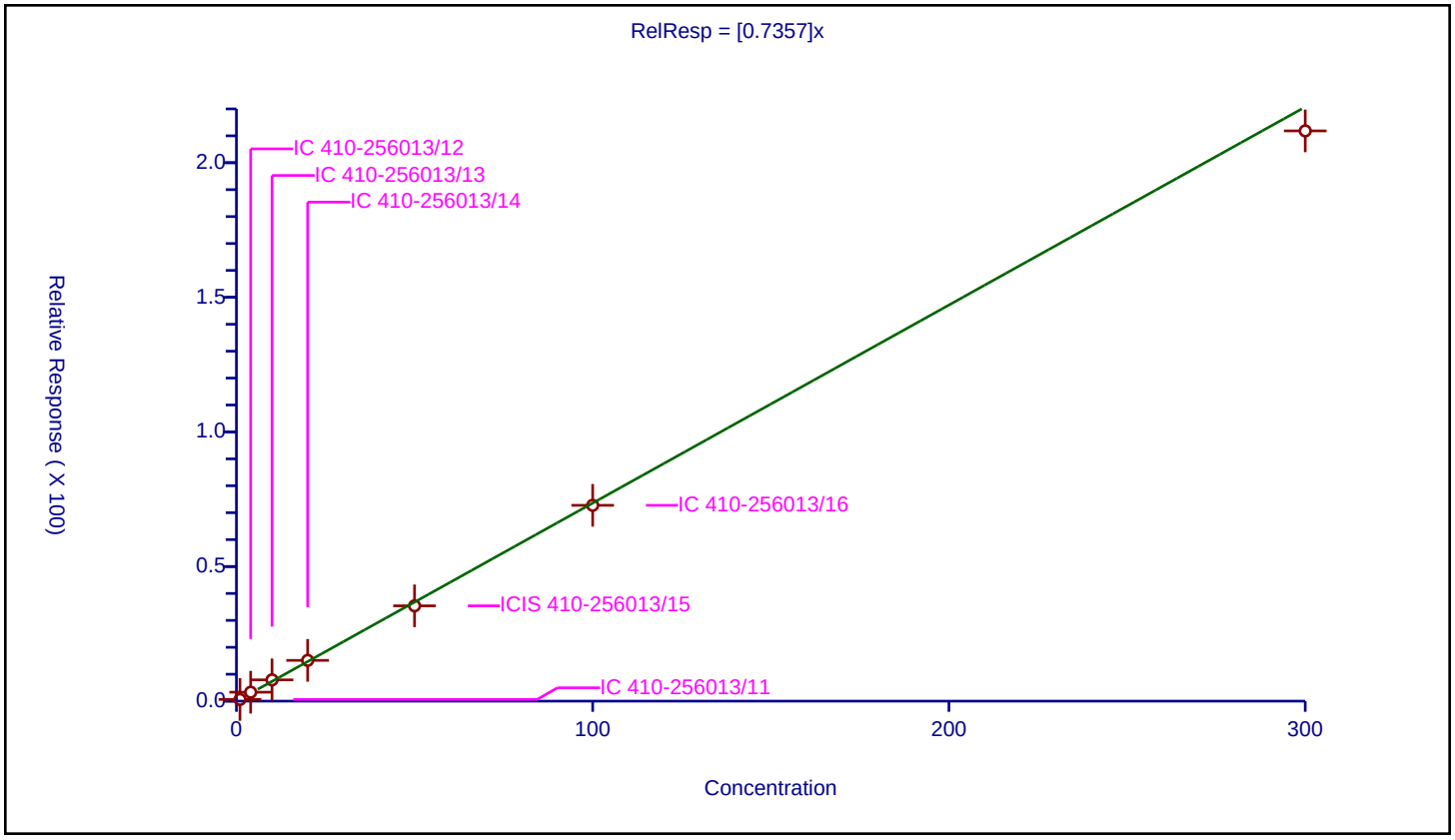
Curve Coefficients

Intercept:	0
Slope:	0.7357

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.631496	50.0	1149493.0	0.631496	Y
2	IC 410-256013/12	4.0	3.319035	50.0	1122269.0	0.829759	Y
3	IC 410-256013/13	10.0	7.898069	50.0	1097610.0	0.789807	Y
4	IC 410-256013/14	20.0	15.145013	50.0	1139999.0	0.757251	Y
5	ICIS 410-256013/15	50.0	35.409033	50.0	1188475.0	0.708181	Y
6	IC 410-256013/16	100.0	72.742581	50.0	1212657.0	0.727426	Y
7	IC 410-256013/17	300.0	211.827376	50.0	1269821.0	0.706091	Y



Calibration / n-Heptane

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

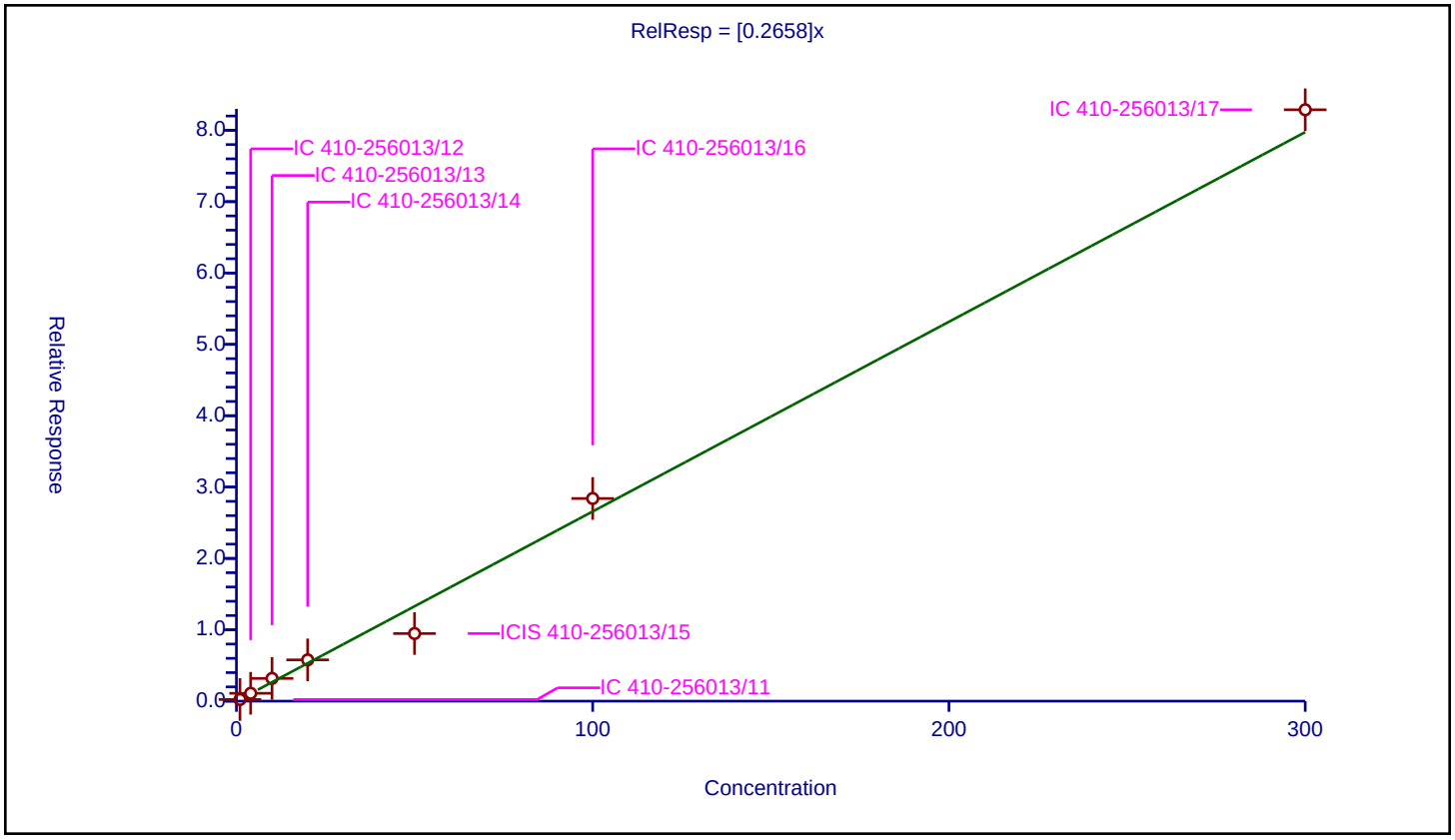
Curve Coefficients

Intercept:	0
Slope:	0.2658

Error Coefficients

Standard Error:	911000
Relative Standard Error:	16.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.228492	50.0	1149493.0	0.228492	Y
2	IC 410-256013/12	4.0	1.099335	50.0	1122269.0	0.274834	Y
3	IC 410-256013/13	10.0	3.184009	50.0	1097610.0	0.318401	Y
4	IC 410-256013/14	20.0	5.783295	50.0	1139999.0	0.289165	Y
5	ICIS 410-256013/15	50.0	9.476388	50.0	1188475.0	0.189528	Y
6	IC 410-256013/16	100.0	28.39855	50.0	1212657.0	0.283985	Y
7	IC 410-256013/17	300.0	82.878453	50.0	1269821.0	0.276262	Y



Calibration / n-Butanol

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

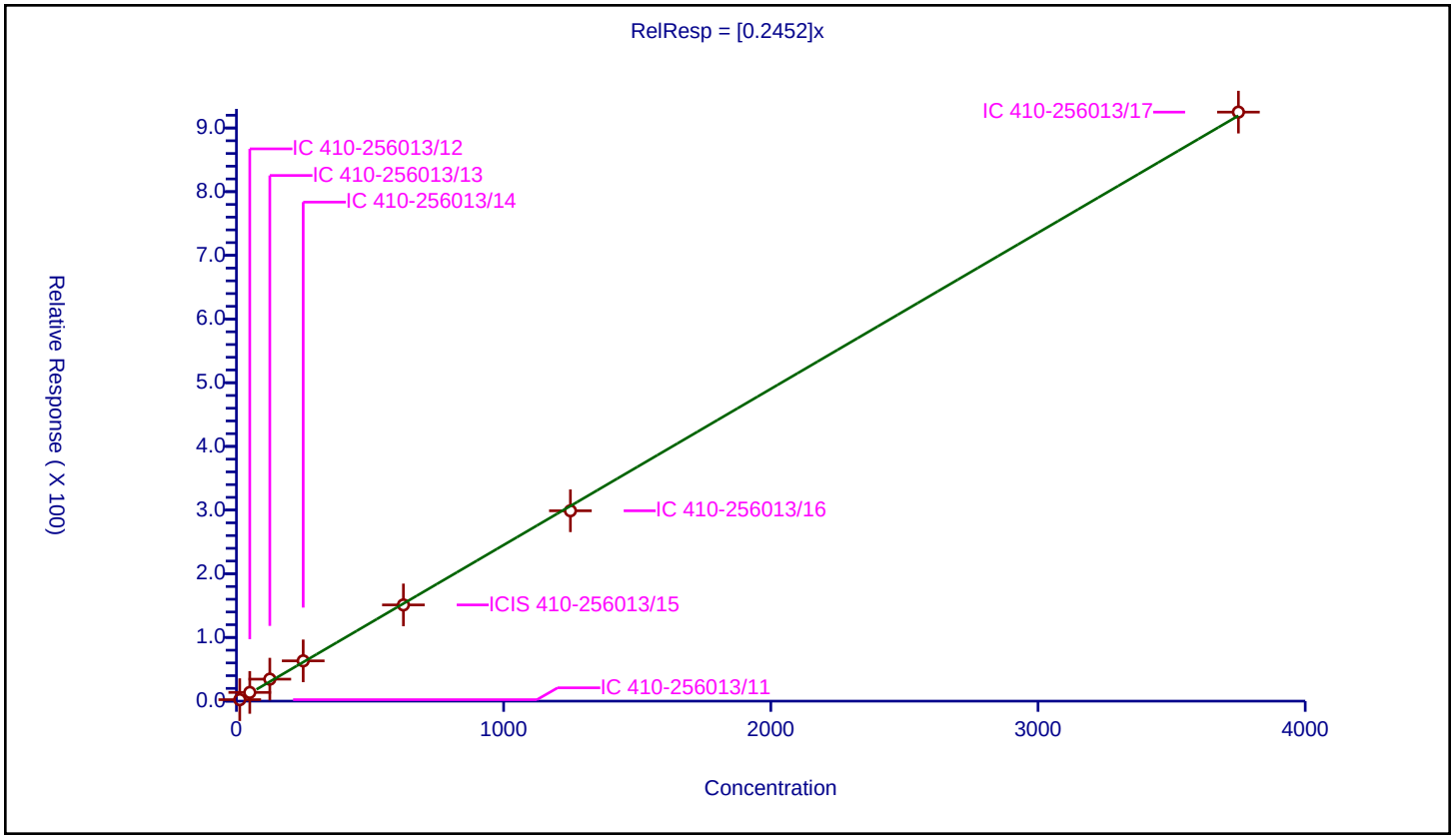
Curve Coefficients

Intercept:	0
Slope:	0.2452

Error Coefficients

Standard Error:	476000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	12.5	2.319586	250.0	261038.0	0.185567	Y
2	IC 410-256013/12	50.0	13.690157	250.0	259493.0	0.273803	Y
3	IC 410-256013/13	125.0	34.523548	250.0	245796.0	0.276188	Y
4	IC 410-256013/14	250.0	63.247239	250.0	260877.0	0.252989	Y
5	ICIS 410-256013/15	625.0	151.101724	250.0	276385.0	0.241763	Y
6	IC 410-256013/16	1250.0	298.929335	250.0	285897.0	0.239143	Y
7	IC 410-256013/17	3750.0	924.946741	250.0	297602.0	0.246652	Y



Calibration / Trichloroethene

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

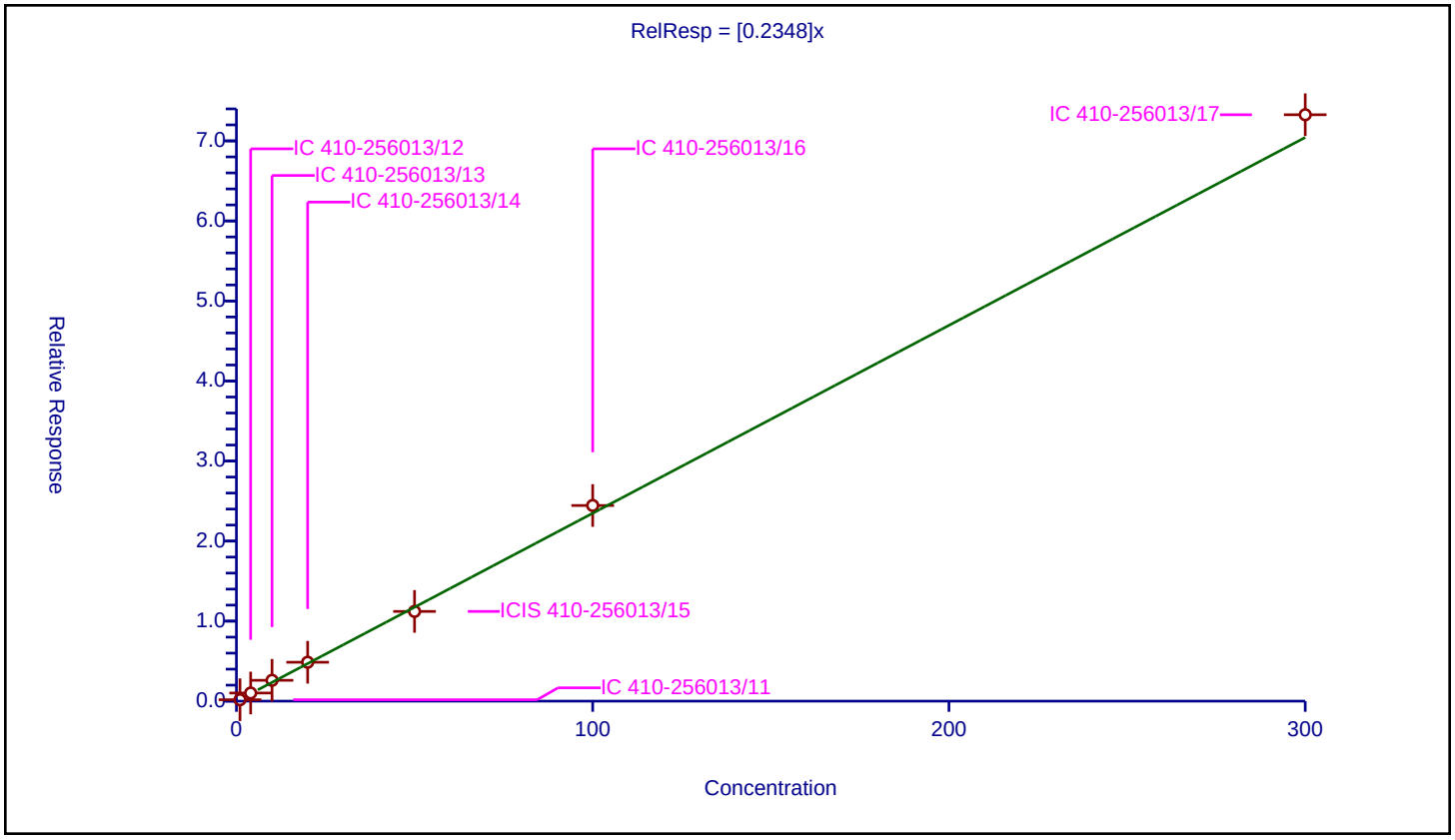
Curve Coefficients

Intercept:	0
Slope:	0.2348

Error Coefficients

Standard Error:	806000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.17325	50.0	1149493.0	0.17325	Y
2	IC 410-256013/12	4.0	1.015799	50.0	1122269.0	0.25395	Y
3	IC 410-256013/13	10.0	2.602883	50.0	1097610.0	0.260288	Y
4	IC 410-256013/14	20.0	4.859873	50.0	1139999.0	0.242994	Y
5	ICIS 410-256013/15	50.0	11.209996	50.0	1188475.0	0.2242	Y
6	IC 410-256013/16	100.0	24.445165	50.0	1212657.0	0.244452	Y
7	IC 410-256013/17	300.0	73.266626	50.0	1269821.0	0.244222	Y



Calibration / Methylcyclohexane

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

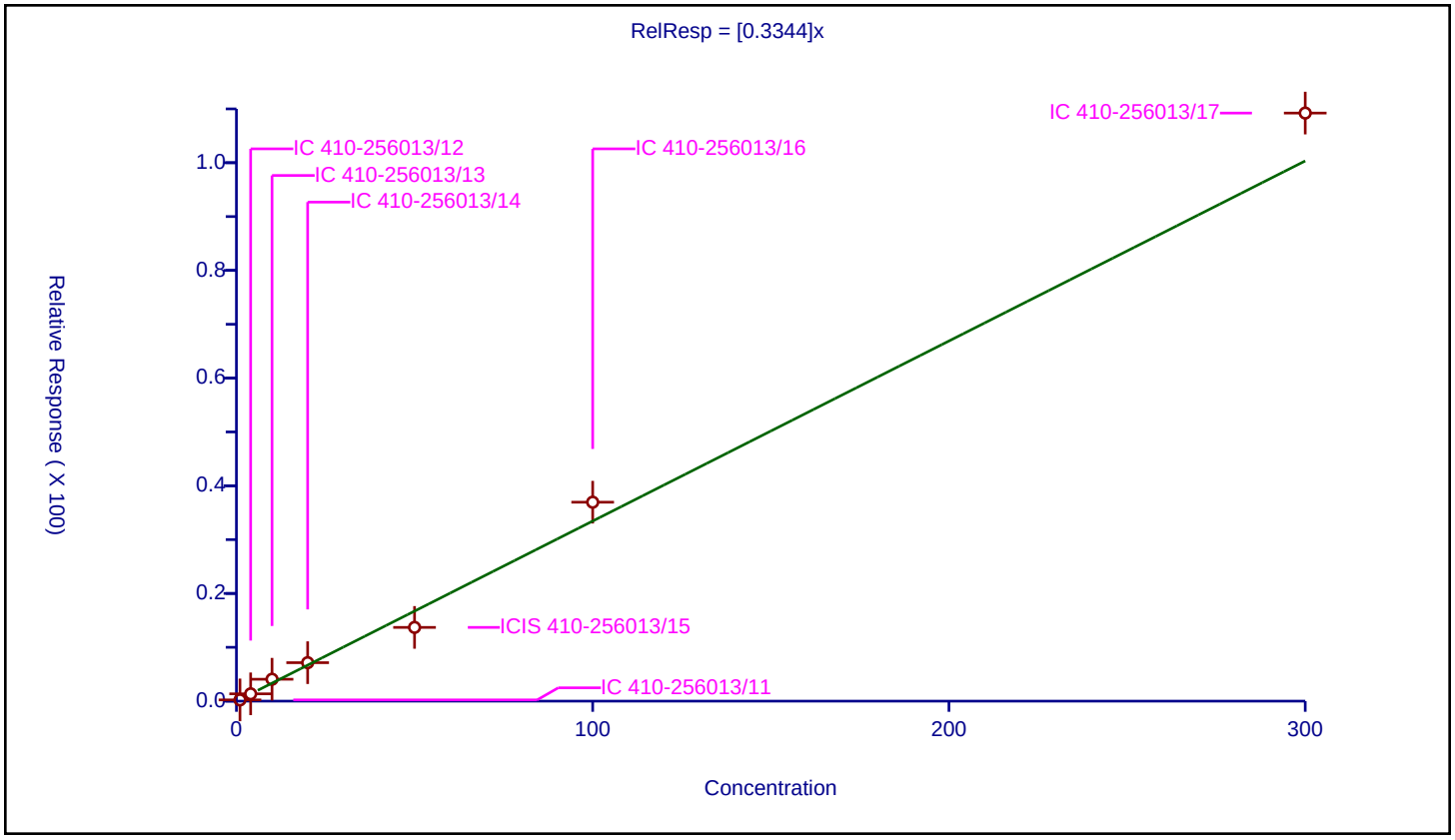
Curve Coefficients

Intercept:	0
Slope:	0.3344

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	18.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.229797	50.0	1149493.0	0.229797	Y
2	IC 410-256013/12	4.0	1.359032	50.0	1122269.0	0.339758	Y
3	IC 410-256013/13	10.0	4.068704	50.0	1097610.0	0.40687	Y
4	IC 410-256013/14	20.0	7.14448	50.0	1139999.0	0.357224	Y
5	ICIS 410-256013/15	50.0	13.696081	50.0	1188475.0	0.273922	Y
6	IC 410-256013/16	100.0	36.948205	50.0	1212657.0	0.369482	Y
7	IC 410-256013/17	300.0	109.221969	50.0	1269821.0	0.364073	Y



Calibration / 1,2-Dichloropropane

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

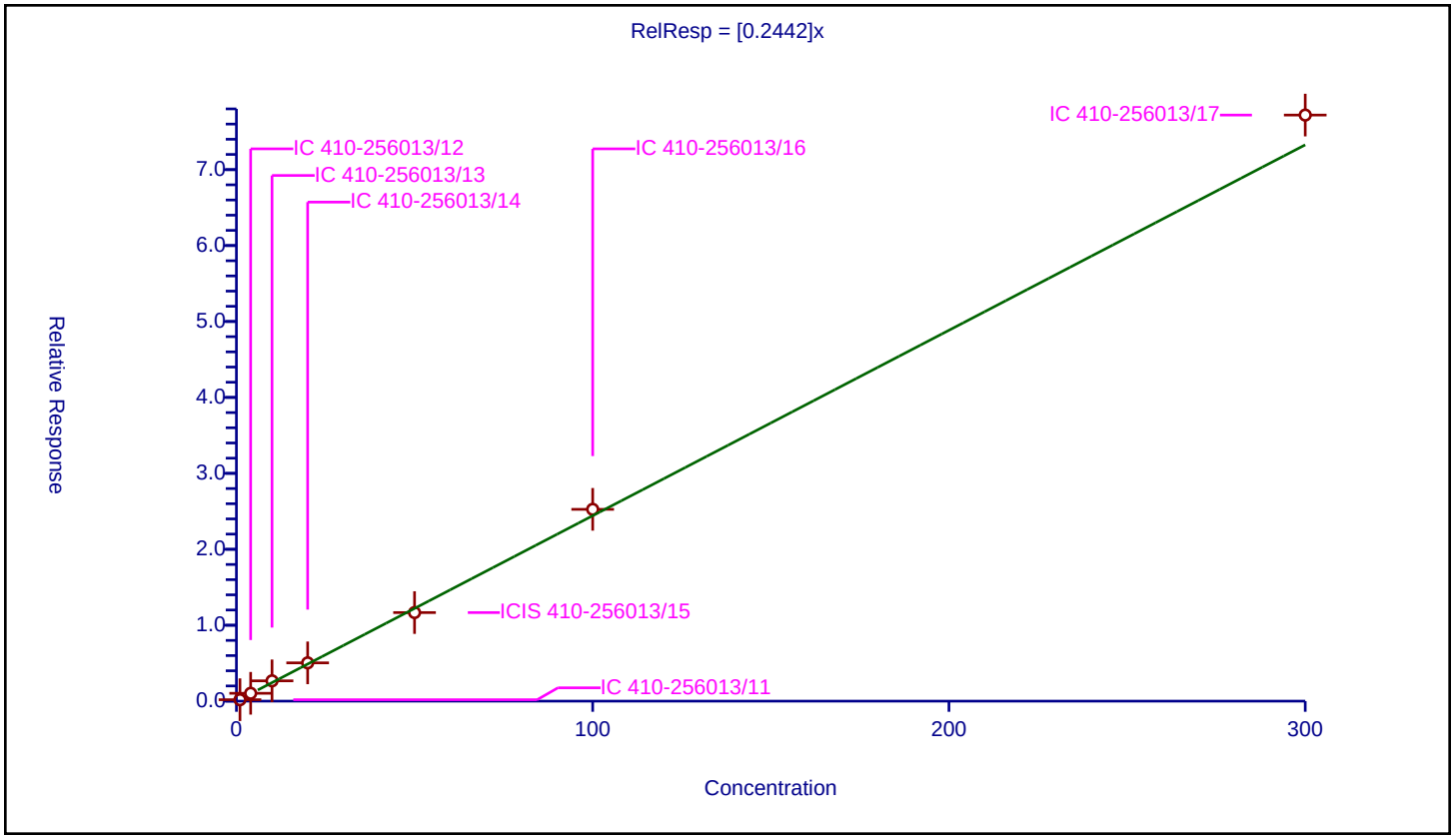
Curve Coefficients

Intercept:	0
Slope:	0.2442

Error Coefficients

Standard Error:	848000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.188257	50.0	1149493.0	0.188257	Y
2	IC 410-256013/12	4.0	1.033487	50.0	1122269.0	0.258372	Y
3	IC 410-256013/13	10.0	2.675677	50.0	1097610.0	0.267568	Y
4	IC 410-256013/14	20.0	5.041715	50.0	1139999.0	0.252086	Y
5	ICIS 410-256013/15	50.0	11.666379	50.0	1188475.0	0.233328	Y
6	IC 410-256013/16	100.0	25.260977	50.0	1212657.0	0.25261	Y
7	IC 410-256013/17	300.0	77.187808	50.0	1269821.0	0.257293	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

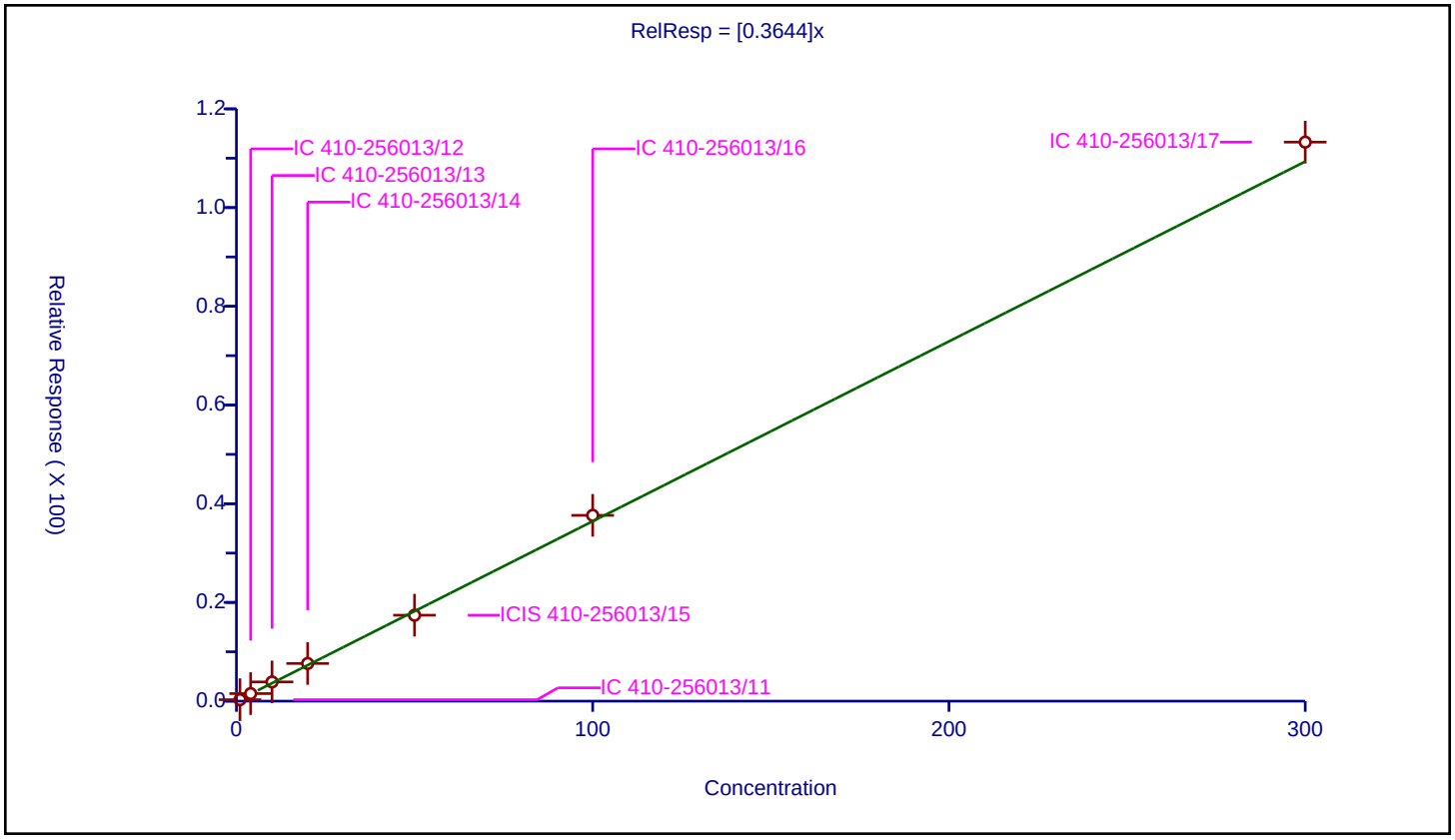
Curve Coefficients

Intercept:	0
Slope:	0.3644

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.295783	50.0	1149493.0	0.295783	Y
2	IC 410-256013/12	4.0	1.529669	50.0	1122269.0	0.382417	Y
3	IC 410-256013/13	10.0	3.891728	50.0	1097610.0	0.389173	Y
4	IC 410-256013/14	20.0	7.63084	50.0	1139999.0	0.381542	Y
5	ICIS 410-256013/15	50.0	17.409832	50.0	1188475.0	0.348197	Y
6	IC 410-256013/16	100.0	37.645765	50.0	1212657.0	0.376458	Y
7	IC 410-256013/17	300.0	113.262617	50.0	1269821.0	0.377542	Y



Calibration / Methyl methacrylate

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

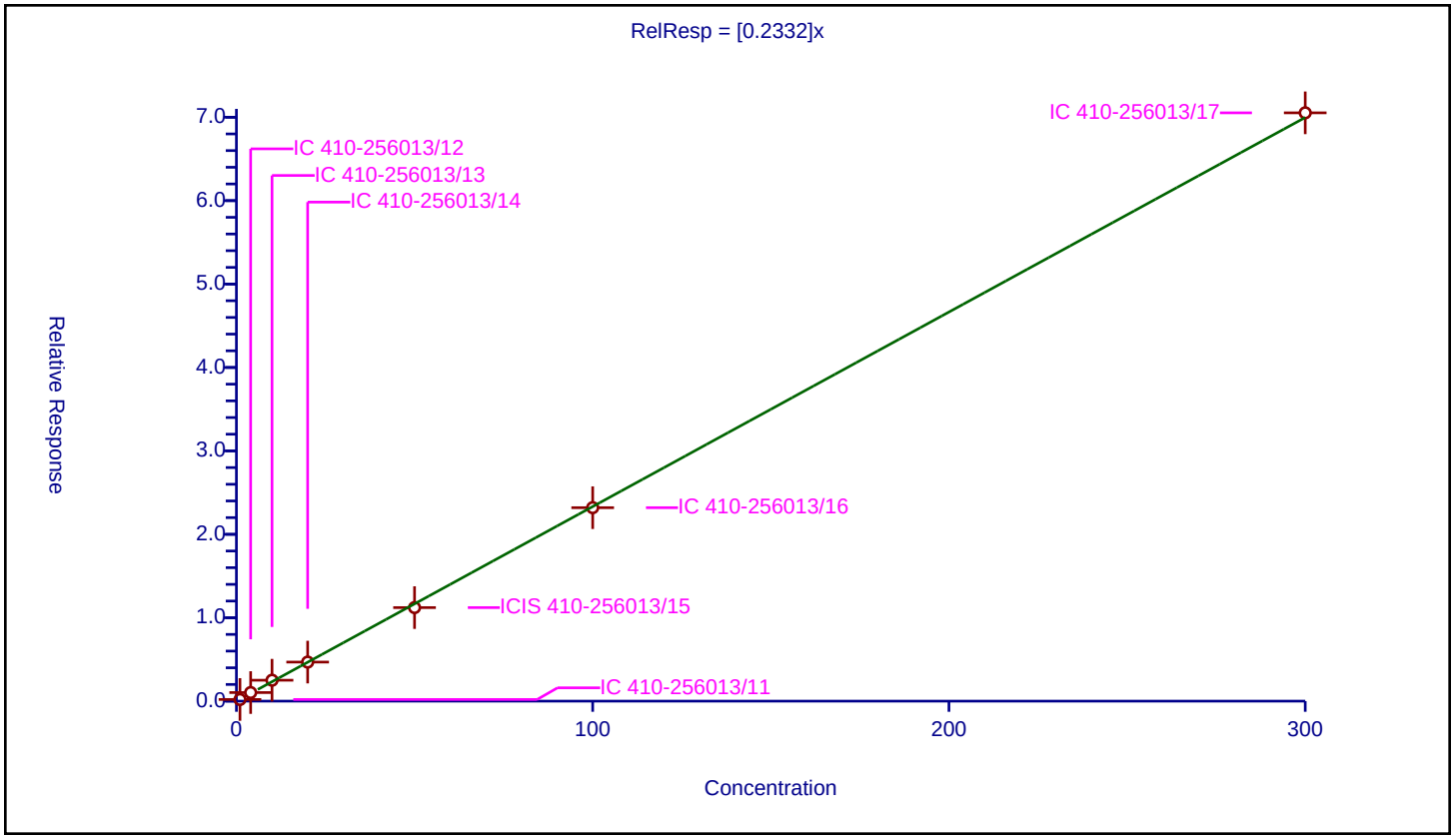
Curve Coefficients

Intercept:	0
Slope:	0.2332

Error Coefficients

Standard Error:	776000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.199001	50.0	1149493.0	0.199001	Y
2	IC 410-256013/12	4.0	1.030412	50.0	1122269.0	0.257603	Y
3	IC 410-256013/13	10.0	2.506582	50.0	1097610.0	0.250658	Y
4	IC 410-256013/14	20.0	4.681627	50.0	1139999.0	0.234081	Y
5	ICIS 410-256013/15	50.0	11.214035	50.0	1188475.0	0.224281	Y
6	IC 410-256013/16	100.0	23.192749	50.0	1212657.0	0.231927	Y
7	IC 410-256013/17	300.0	70.526003	50.0	1269821.0	0.235087	Y



Calibration / 1,4-Dioxane

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

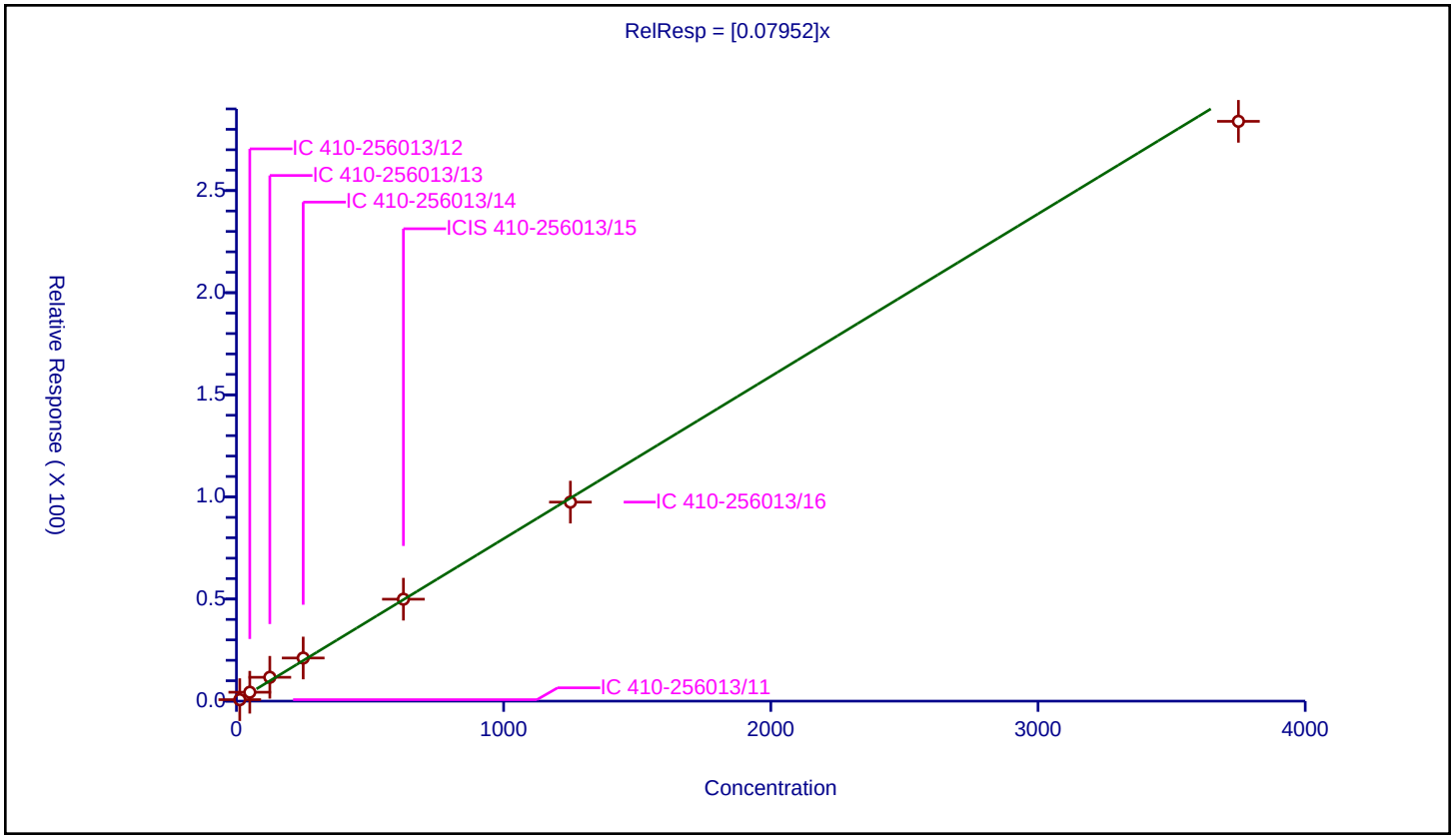
Curve Coefficients

Intercept:	0
Slope:	0.07952

Error Coefficients

Standard Error:	147000
Relative Standard Error:	14.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	12.5	0.723075	250.0	261038.0	0.057846	Y
2	IC 410-256013/12	50.0	4.36717	250.0	259493.0	0.087343	Y
3	IC 410-256013/13	125.0	11.679401	250.0	245796.0	0.093435	Y
4	IC 410-256013/14	250.0	21.12394	250.0	260877.0	0.084496	Y
5	ICIS 410-256013/15	625.0	49.920401	250.0	276385.0	0.079873	Y
6	IC 410-256013/16	1250.0	97.454678	250.0	285897.0	0.077964	Y
7	IC 410-256013/17	3750.0	283.912743	250.0	297602.0	0.07571	Y



Calibration / Dibromomethane

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

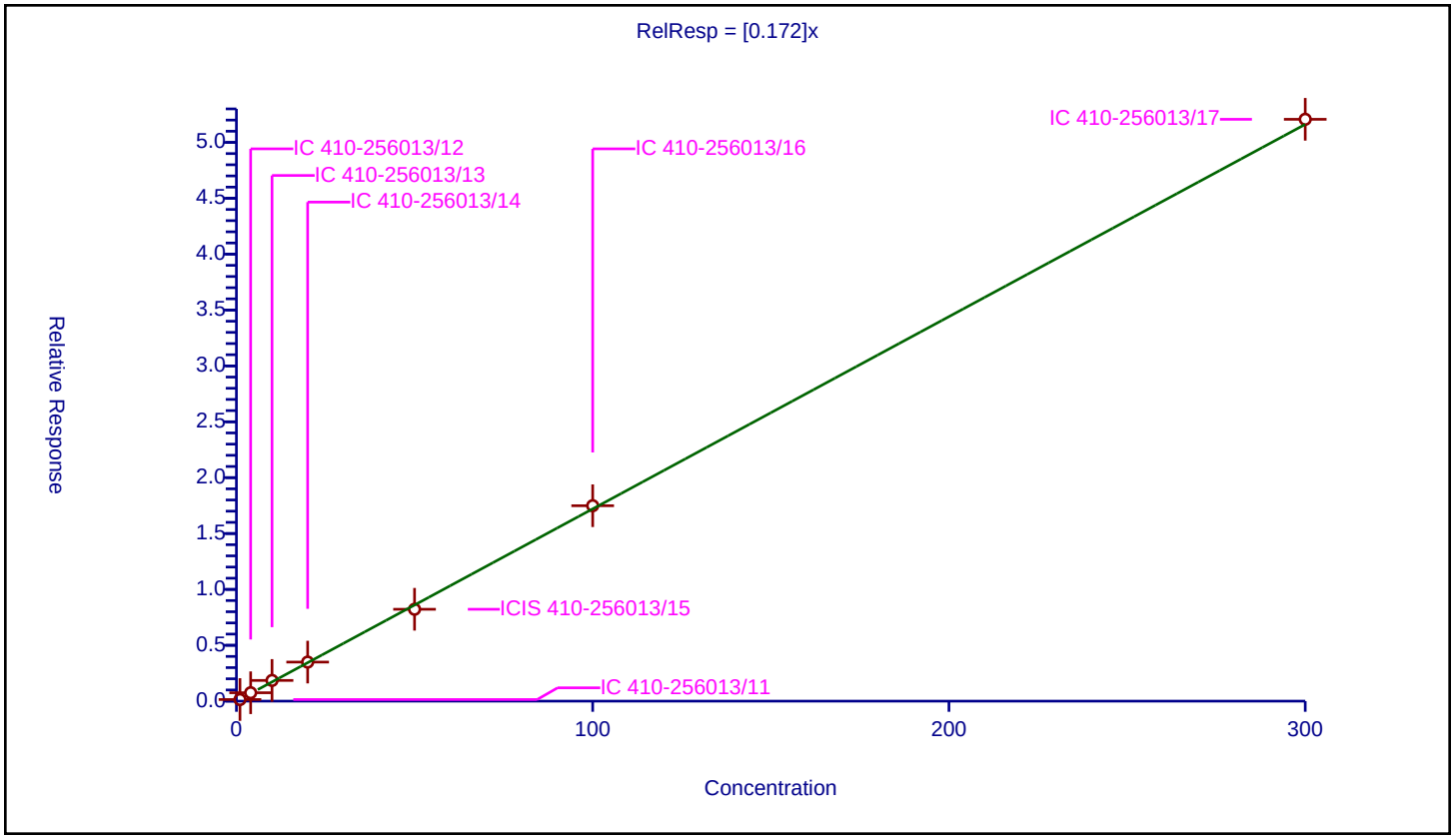
Curve Coefficients

Intercept:	0
Slope:	0.172

Error Coefficients

Standard Error:	574000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.143324	50.0	1149493.0	0.143324	Y
2	IC 410-256013/12	4.0	0.752538	50.0	1122269.0	0.188134	Y
3	IC 410-256013/13	10.0	1.852889	50.0	1097610.0	0.185289	Y
4	IC 410-256013/14	20.0	3.494257	50.0	1139999.0	0.174713	Y
5	ICIS 410-256013/15	50.0	8.222133	50.0	1188475.0	0.164443	Y
6	IC 410-256013/16	100.0	17.48821	50.0	1212657.0	0.174882	Y
7	IC 410-256013/17	300.0	52.068717	50.0	1269821.0	0.173562	Y



Calibration / Dichlorobromomethane

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

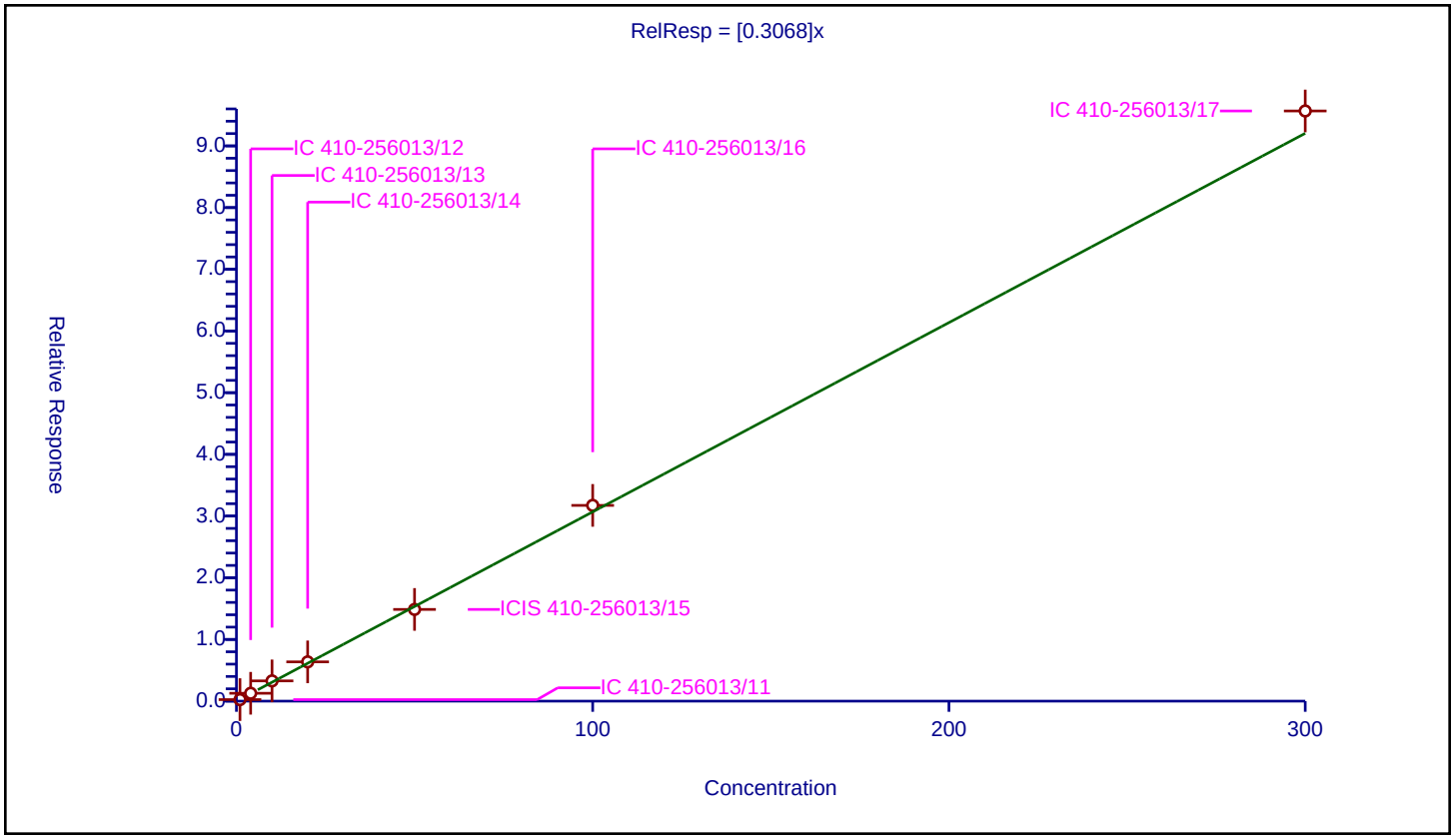
Curve Coefficients

Intercept:	0
Slope:	0.3068

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.24837	50.0	1149493.0	0.24837	Y
2	IC 410-256013/12	4.0	1.276655	50.0	1122269.0	0.319164	Y
3	IC 410-256013/13	10.0	3.283179	50.0	1097610.0	0.328318	Y
4	IC 410-256013/14	20.0	6.364962	50.0	1139999.0	0.318248	Y
5	ICIS 410-256013/15	50.0	14.865058	50.0	1188475.0	0.297301	Y
6	IC 410-256013/16	100.0	31.730159	50.0	1212657.0	0.317302	Y
7	IC 410-256013/17	300.0	95.663444	50.0	1269821.0	0.318878	Y



Calibration / 2-Nitropropane

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

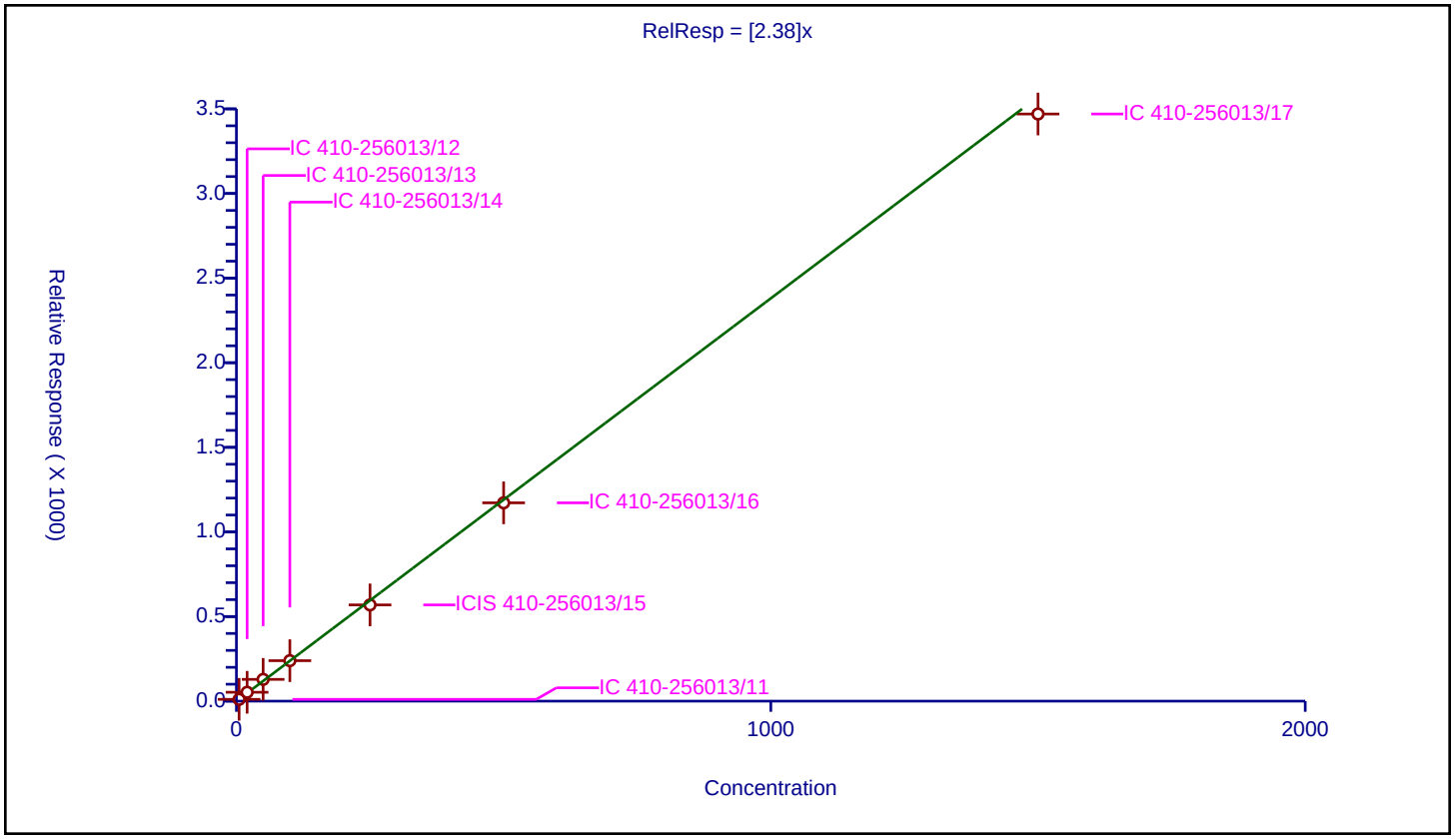
Curve Coefficients

Intercept:	0
Slope:	2.38

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	5.0	10.696718	250.0	261038.0	2.139344	Y
2	IC 410-256013/12	20.0	52.533209	250.0	259493.0	2.62666	Y
3	IC 410-256013/13	50.0	128.620889	250.0	245796.0	2.572418	Y
4	IC 410-256013/14	100.0	239.202766	250.0	260877.0	2.392028	Y
5	ICIS 410-256013/15	250.0	568.77544	250.0	276385.0	2.275102	Y
6	IC 410-256013/16	500.0	1171.940419	250.0	285897.0	2.343881	Y
7	IC 410-256013/17	1500.0	3469.79439	250.0	297602.0	2.313196	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

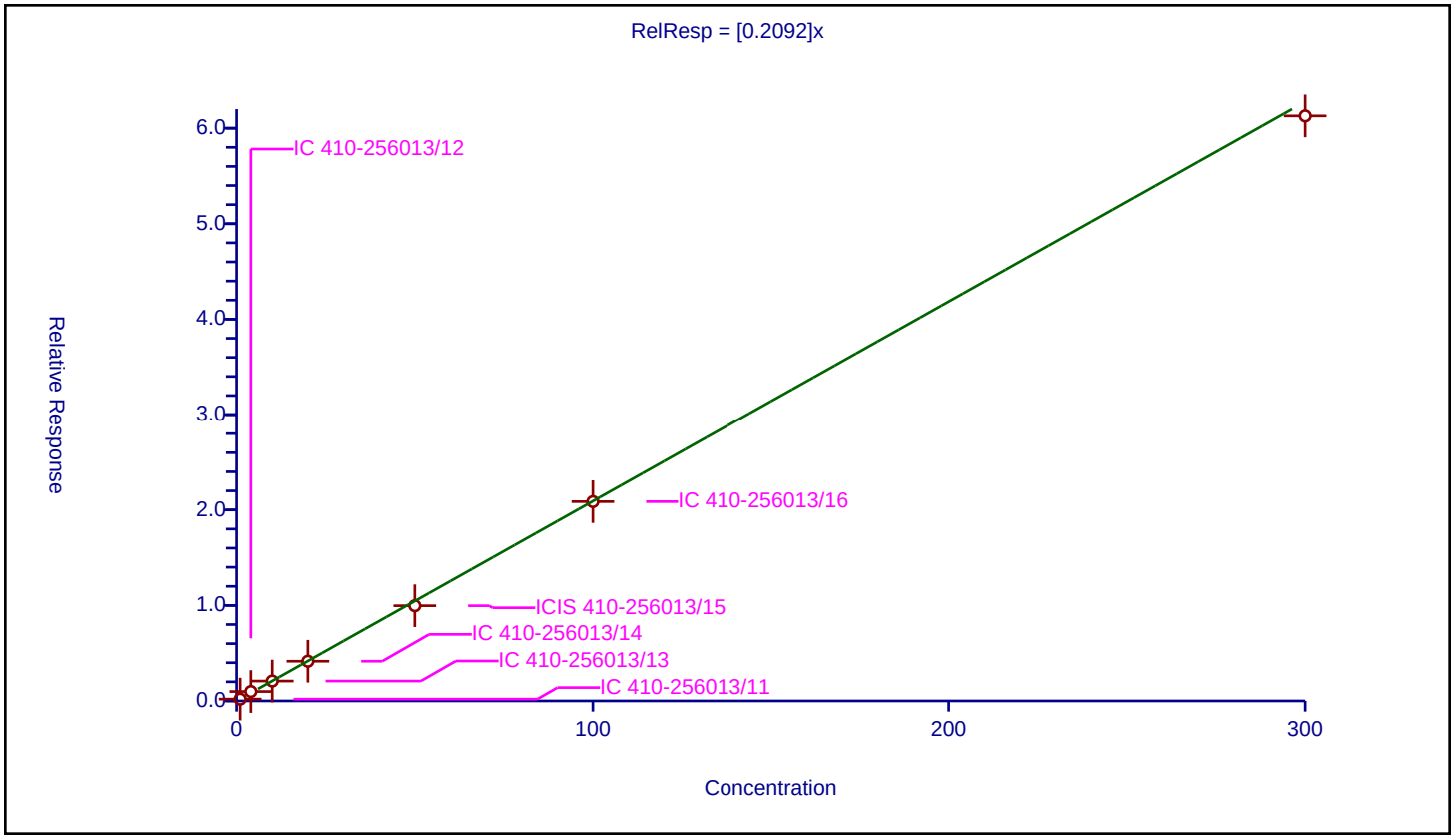
Curve Coefficients

Intercept:	0
Slope:	0.2092

Error Coefficients

Standard Error:	677000
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 410-256013/11	1.0	0.190823	50.0	1149493.0	0.190823	Y
2	IC 410-256013/12	4.0	0.982028	50.0	1122269.0	0.245507	Y
3	IC 410-256013/13	10.0	2.08052	50.0	1097610.0	0.208052	Y
4	IC 410-256013/14	20.0	4.156056	50.0	1139999.0	0.207803	Y
5	ICIS 410-256013/15	50.0	9.969499	50.0	1188475.0	0.19939	Y
6	IC 410-256013/16	100.0	20.873916	50.0	1212657.0	0.208739	Y
7	IC 410-256013/17	300.0	61.289623	50.0	1269821.0	0.204299	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

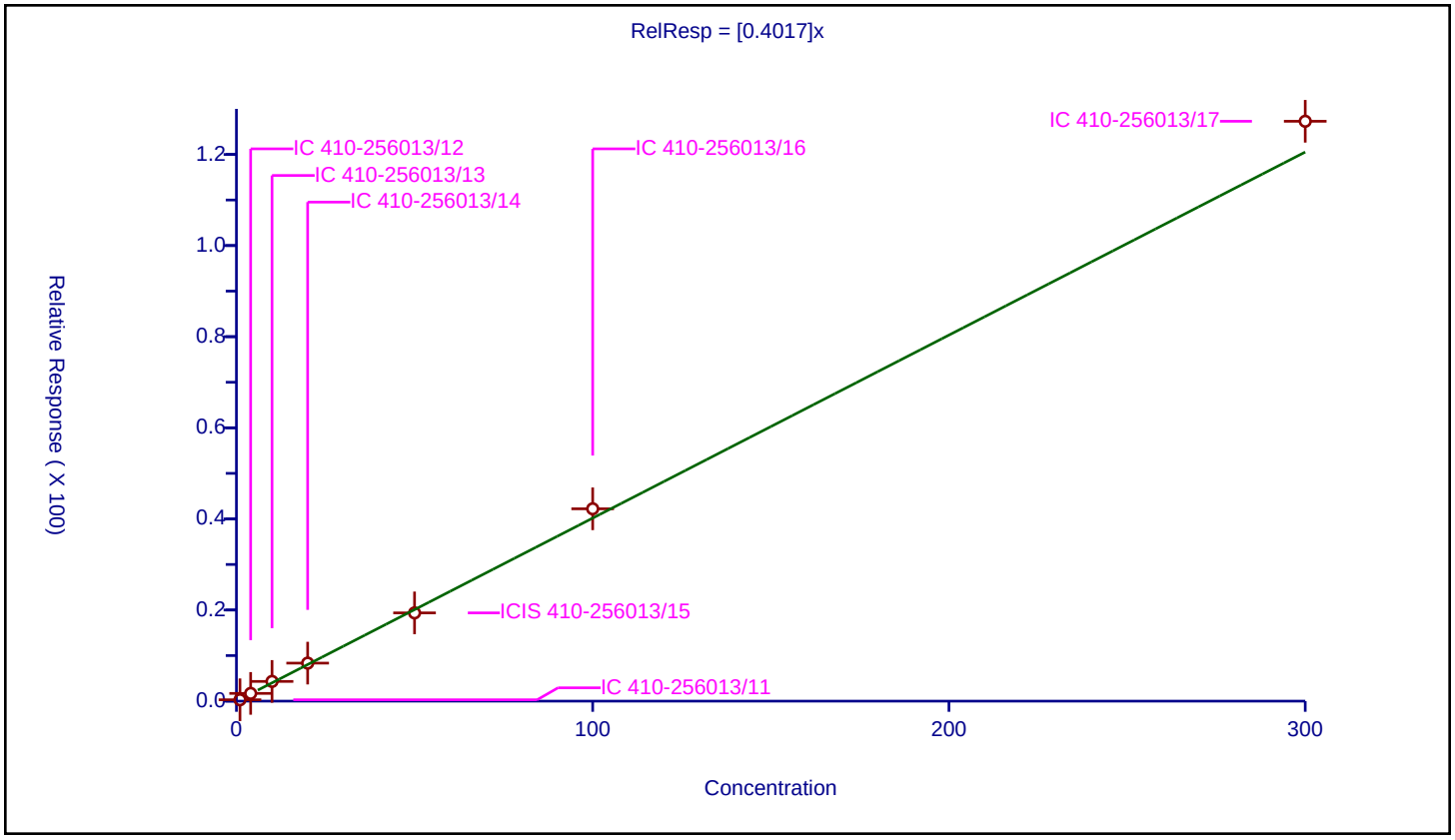
Curve Coefficients

Intercept:	0
Slope:	0.4017

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.303395	50.0	1149493.0	0.303395	Y
2	IC 410-256013/12	4.0	1.6979	50.0	1122269.0	0.424475	Y
3	IC 410-256013/13	10.0	4.331365	50.0	1097610.0	0.433137	Y
4	IC 410-256013/14	20.0	8.346806	50.0	1139999.0	0.41734	Y
5	ICIS 410-256013/15	50.0	19.370033	50.0	1188475.0	0.387401	Y
6	IC 410-256013/16	100.0	42.216389	50.0	1212657.0	0.422164	Y
7	IC 410-256013/17	300.0	127.283609	50.0	1269821.0	0.424279	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

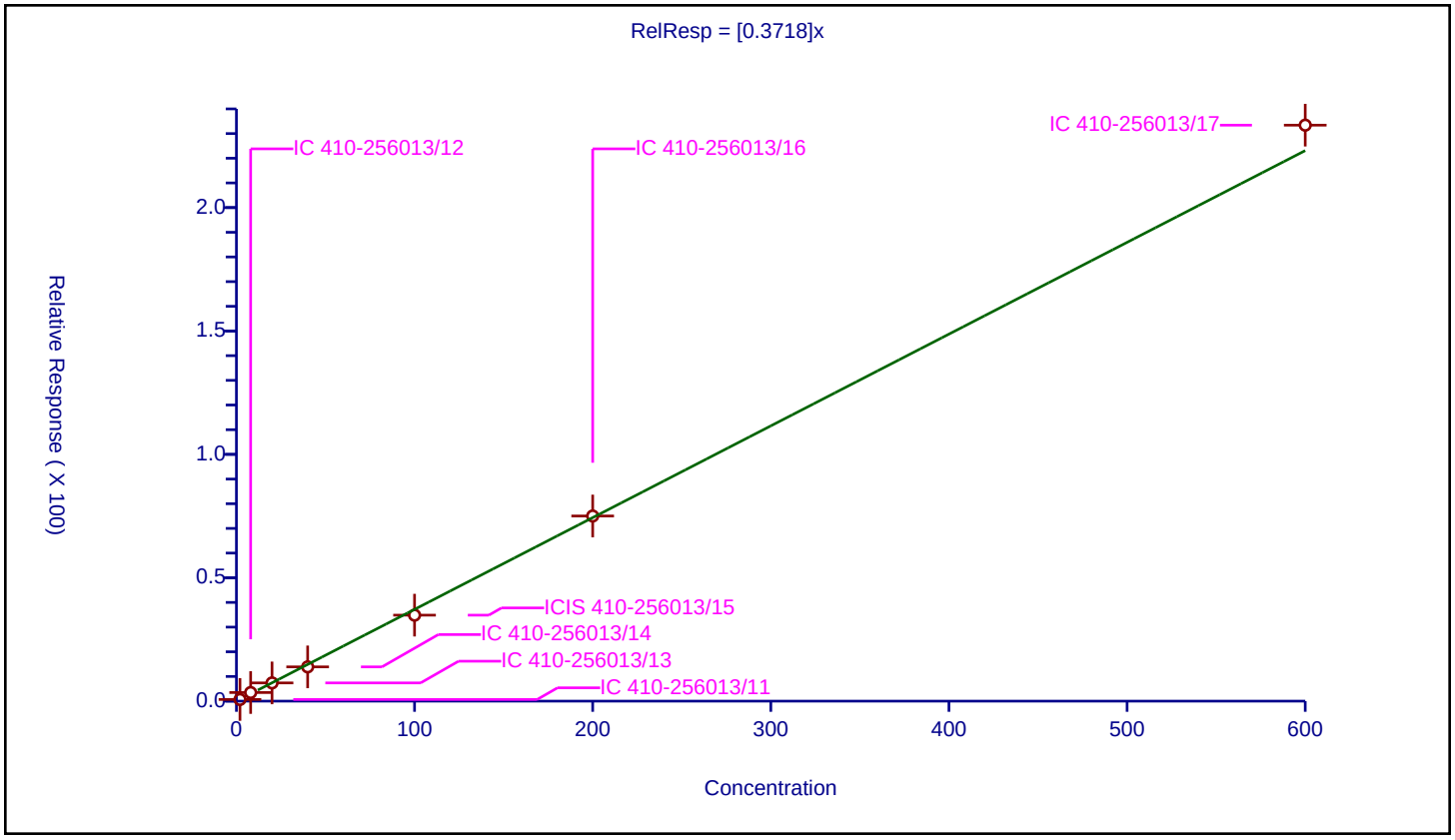
Curve Coefficients

Intercept:	0
Slope:	0.3718

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.0	0.675863	50.0	1149493.0	0.337932	Y
2	IC 410-256013/12	8.0	3.487132	50.0	1122269.0	0.435891	Y
3	IC 410-256013/13	20.0	7.383451	50.0	1097610.0	0.369173	Y
4	IC 410-256013/14	40.0	13.887556	50.0	1139999.0	0.347189	Y
5	ICIS 410-256013/15	100.0	34.846757	50.0	1188475.0	0.348468	Y
6	IC 410-256013/16	200.0	75.023234	50.0	1212657.0	0.375116	Y
7	IC 410-256013/17	600.0	233.410811	50.0	1269821.0	0.389018	Y



Calibration / Toluene-d8 (Surr)

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

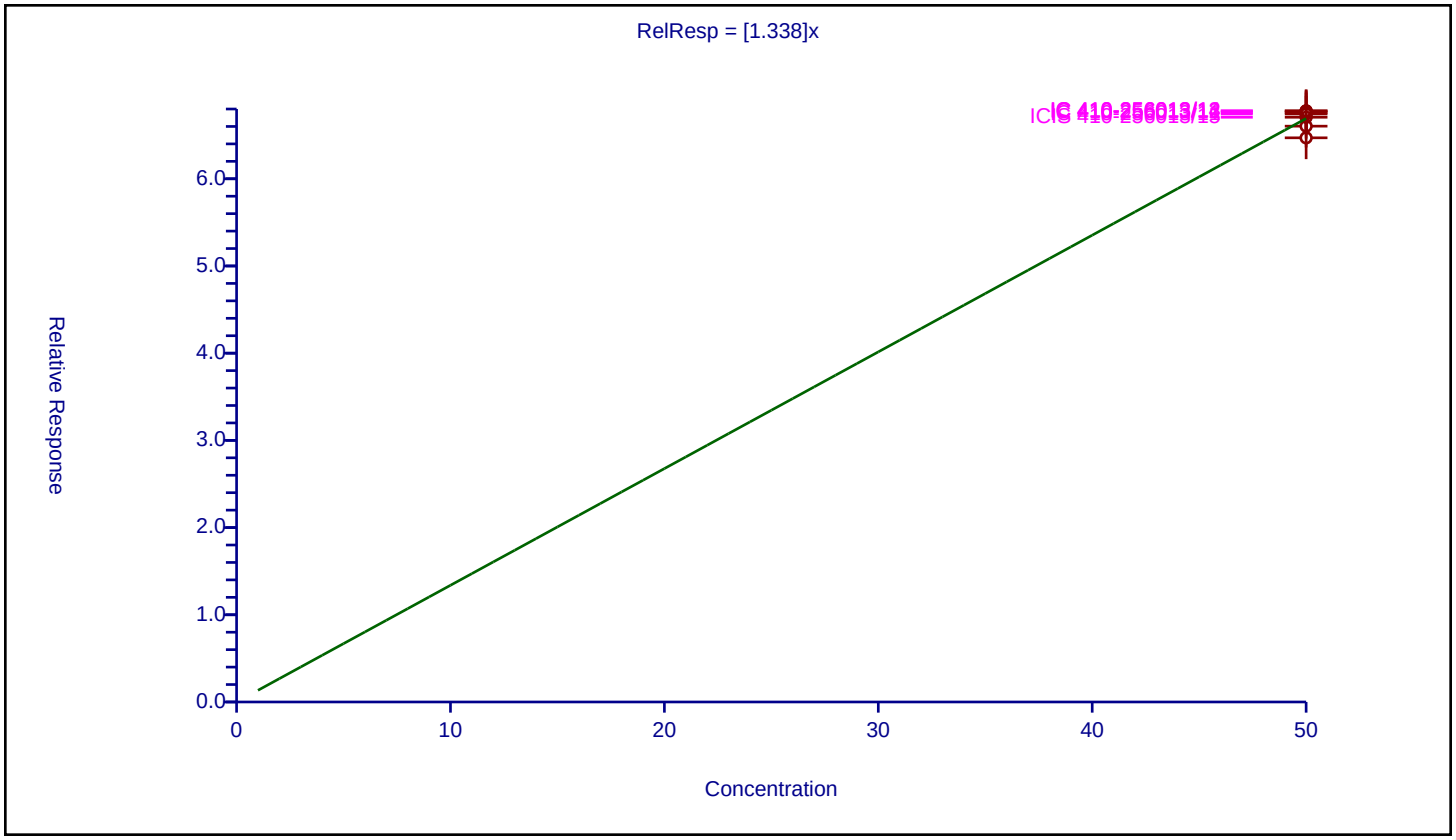
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	1.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	50.0	67.430333	50.0	882955.0	1.348607	Y
2	IC 410-256013/12	50.0	67.598823	50.0	861819.0	1.351976	Y
3	IC 410-256013/13	50.0	67.787062	50.0	836029.0	1.355741	Y
4	IC 410-256013/14	50.0	67.776387	50.0	874815.0	1.355528	Y
5	ICIS 410-256013/15	50.0	67.056045	50.0	921084.0	1.341121	Y
6	IC 410-256013/16	50.0	66.033809	50.0	951926.0	1.320676	Y
7	IC 410-256013/17	50.0	64.698519	50.0	998570.0	1.29397	Y



Calibration / Toluene

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

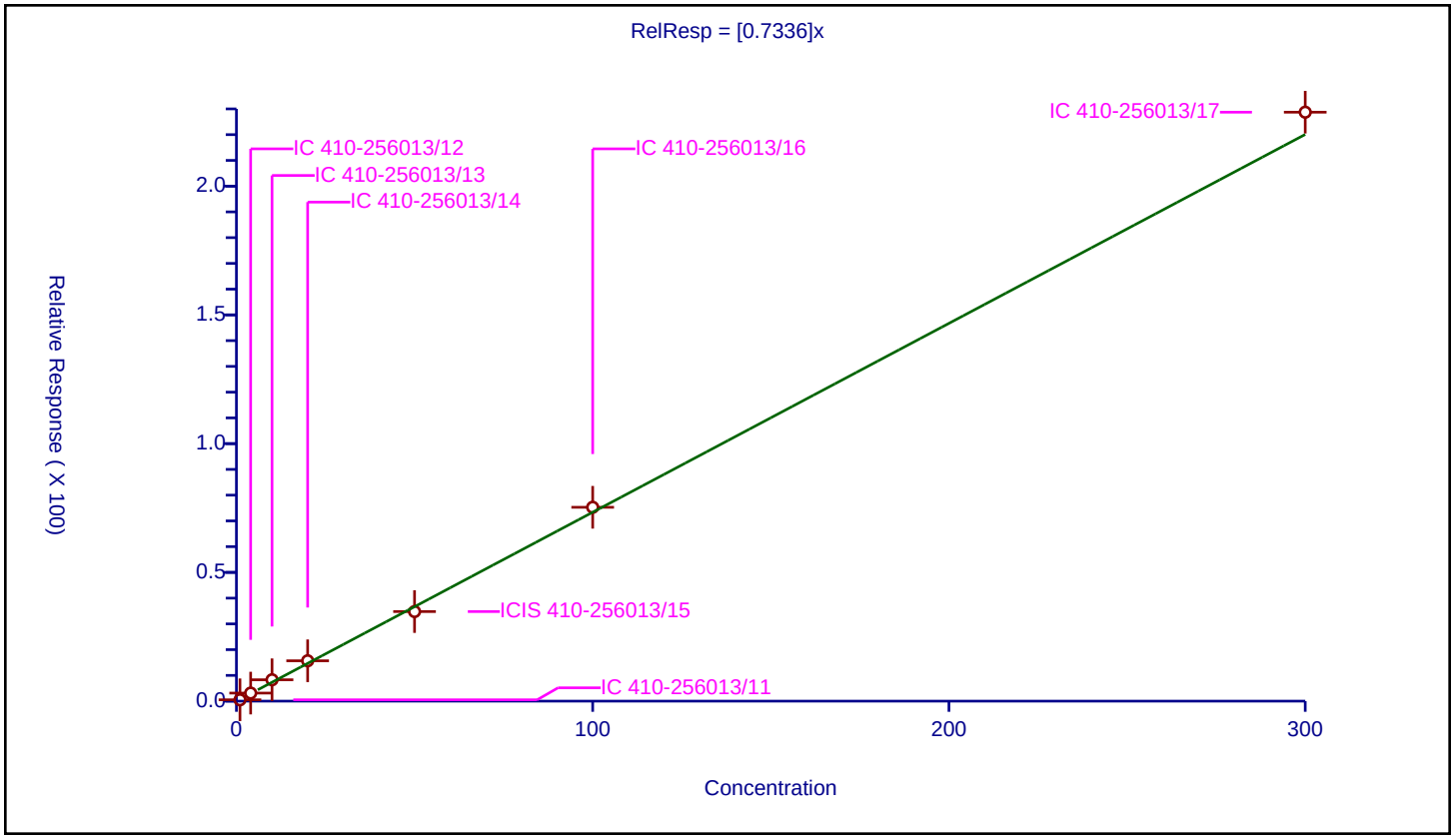
Curve Coefficients

Intercept:	0
Slope:	0.7336

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.52715	50.0	882955.0	0.52715	Y
2	IC 410-256013/12	4.0	3.132096	50.0	861819.0	0.783024	Y
3	IC 410-256013/13	10.0	8.300848	50.0	836029.0	0.830085	Y
4	IC 410-256013/14	20.0	15.677372	50.0	874815.0	0.783869	Y
5	ICIS 410-256013/15	50.0	34.784938	50.0	921084.0	0.695699	Y
6	IC 410-256013/16	100.0	75.278961	50.0	951926.0	0.75279	Y
7	IC 410-256013/17	300.0	228.721622	50.0	998570.0	0.762405	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

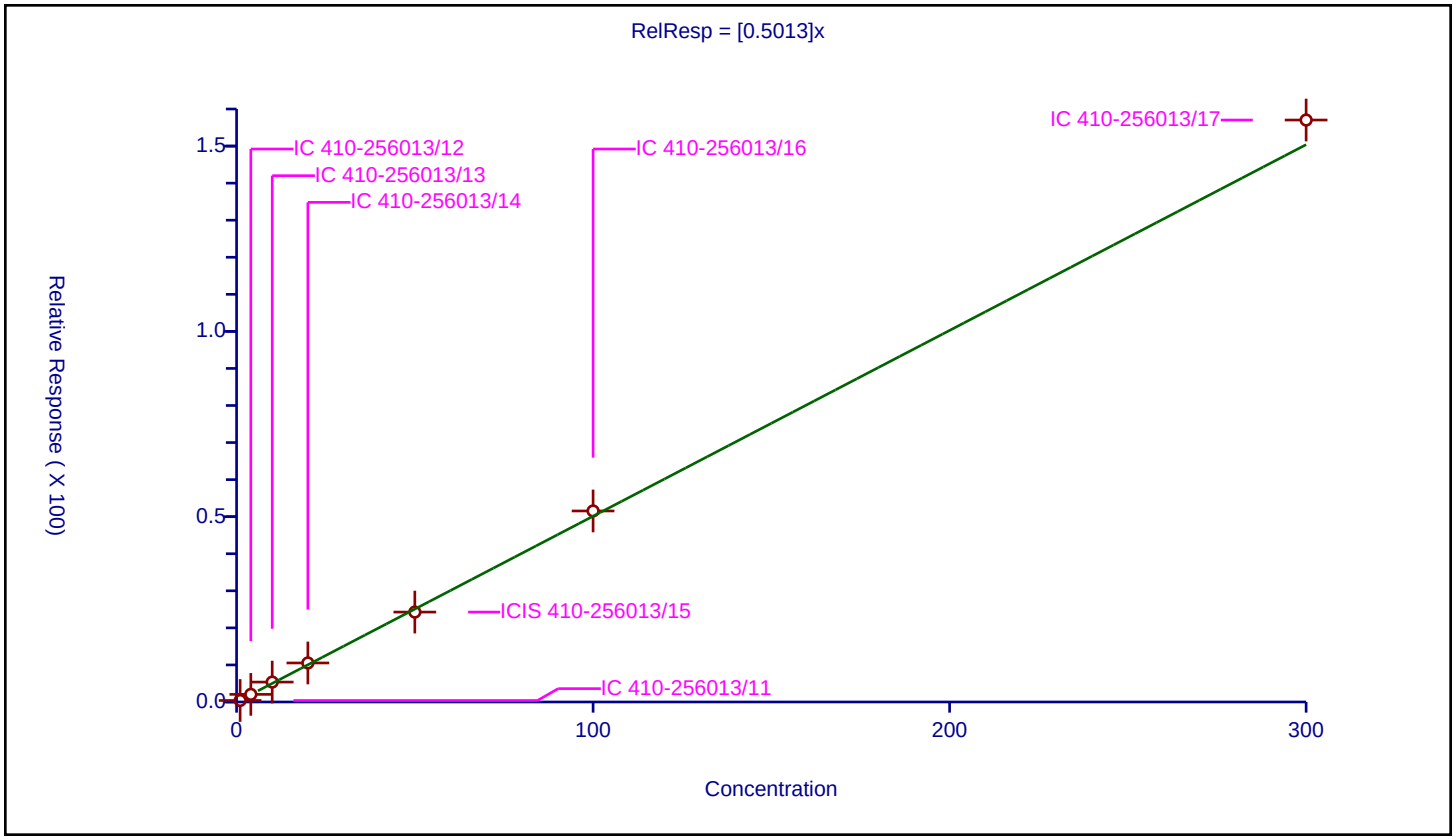
Curve Coefficients

Intercept:	0
Slope:	0.5013

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.407269	50.0	882955.0	0.407269	Y
2	IC 410-256013/12	4.0	2.054956	50.0	861819.0	0.513739	Y
3	IC 410-256013/13	10.0	5.373737	50.0	836029.0	0.537374	Y
4	IC 410-256013/14	20.0	10.530626	50.0	874815.0	0.526531	Y
5	ICIS 410-256013/15	50.0	24.262228	50.0	921084.0	0.485245	Y
6	IC 410-256013/16	100.0	51.544605	50.0	951926.0	0.515446	Y
7	IC 410-256013/17	300.0	157.026848	50.0	998570.0	0.523423	Y



Calibration / Ethyl methacrylate

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

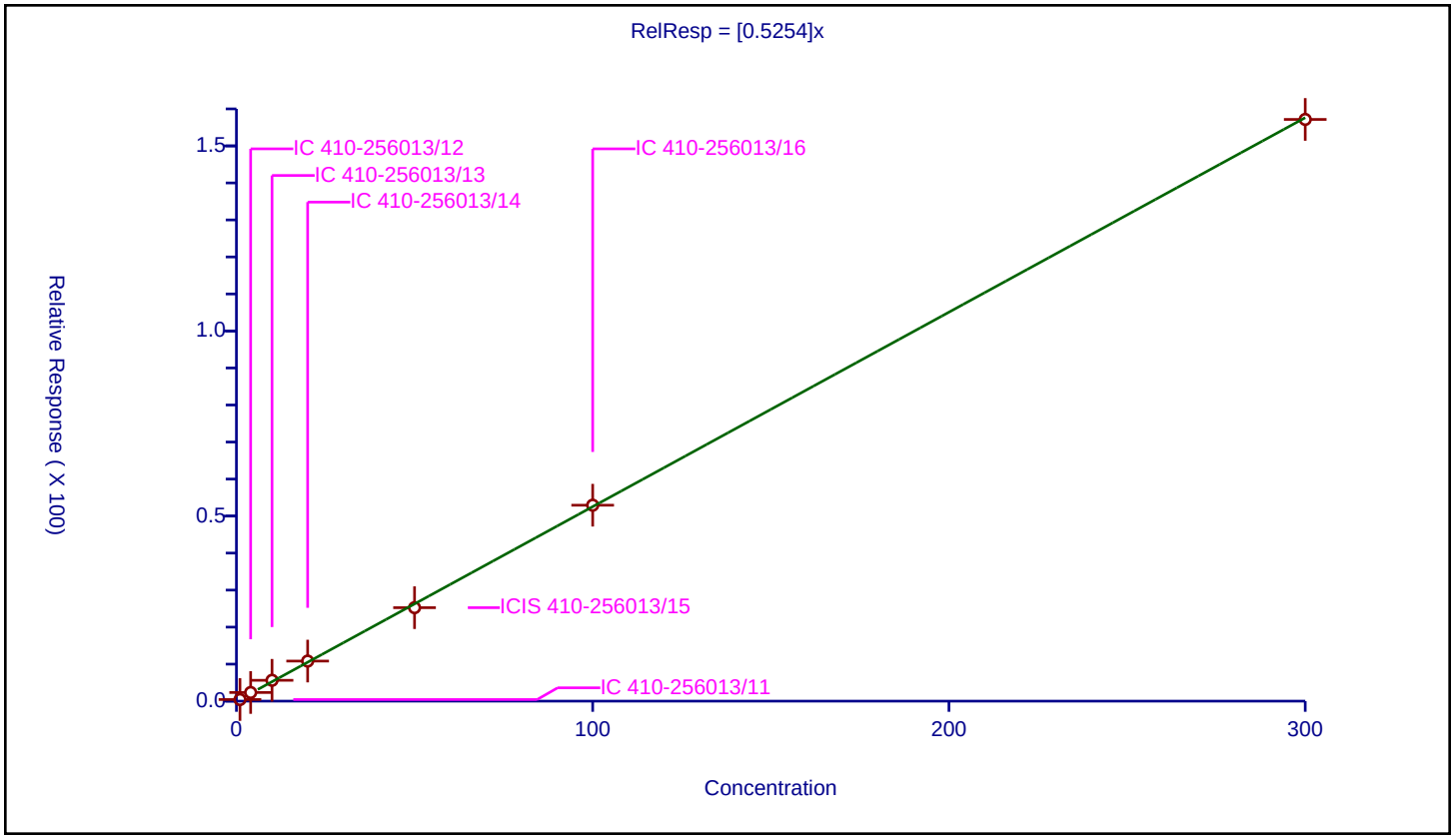
Curve Coefficients

Intercept:	0
Slope:	0.5254

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.431959	50.0	882955.0	0.431959	Y
2	IC 410-256013/12	4.0	2.334539	50.0	861819.0	0.583635	Y
3	IC 410-256013/13	10.0	5.627556	50.0	836029.0	0.562756	Y
4	IC 410-256013/14	20.0	10.827089	50.0	874815.0	0.541354	Y
5	ICIS 410-256013/15	50.0	25.249	50.0	921084.0	0.50498	Y
6	IC 410-256013/16	100.0	52.933736	50.0	951926.0	0.529337	Y
7	IC 410-256013/17	300.0	157.147871	50.0	998570.0	0.523826	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

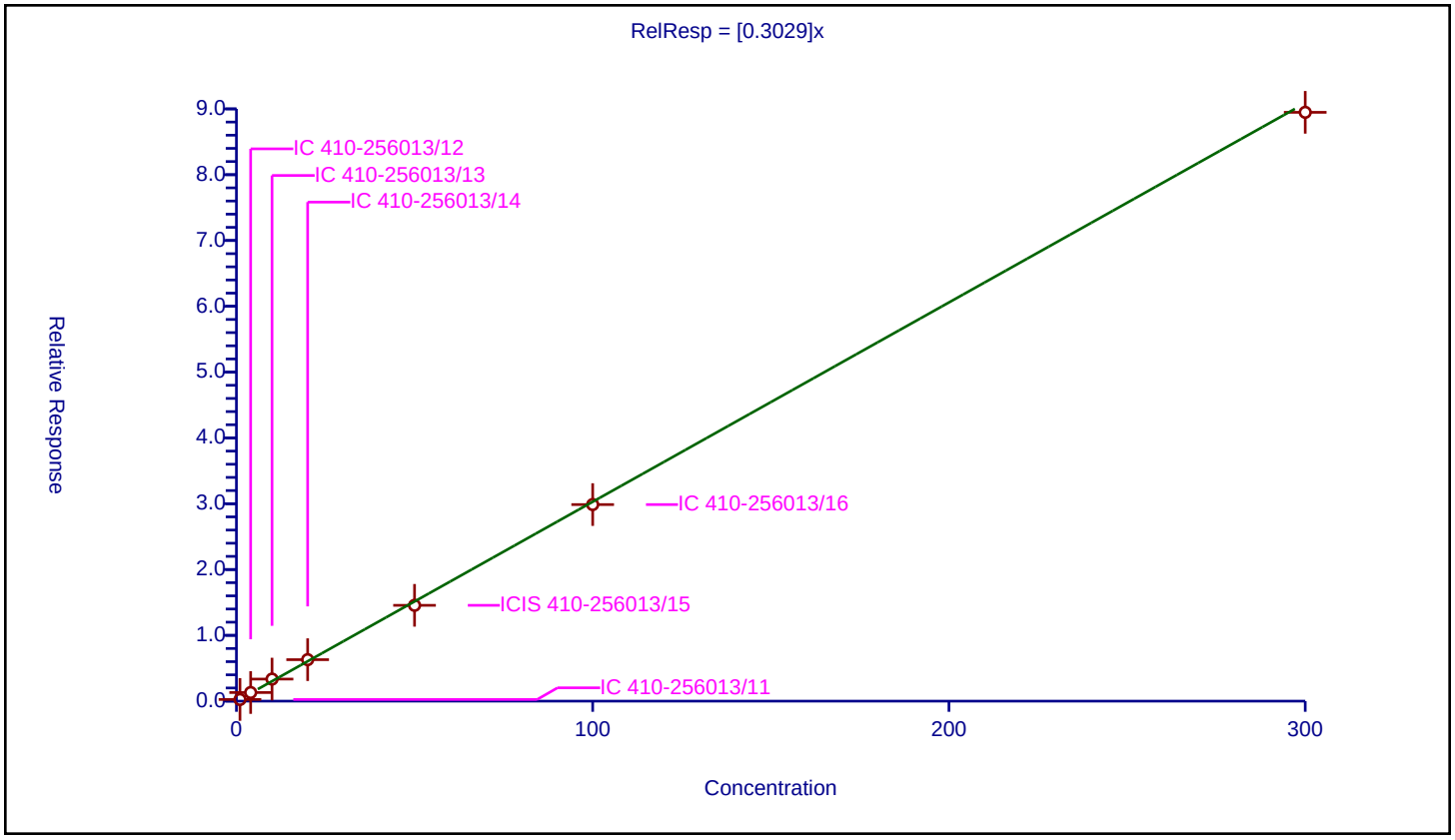
Curve Coefficients

Intercept:	0
Slope:	0.3029

Error Coefficients

Standard Error:	775000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.254486	50.0	882955.0	0.254486	Y
2	IC 410-256013/12	4.0	1.309904	50.0	861819.0	0.327476	Y
3	IC 410-256013/13	10.0	3.351319	50.0	836029.0	0.335132	Y
4	IC 410-256013/14	20.0	6.304933	50.0	874815.0	0.315247	Y
5	ICIS 410-256013/15	50.0	14.559096	50.0	921084.0	0.291182	Y
6	IC 410-256013/16	100.0	29.87186	50.0	951926.0	0.298719	Y
7	IC 410-256013/17	300.0	89.479205	50.0	998570.0	0.298264	Y



Calibration / Tetrachloroethene

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

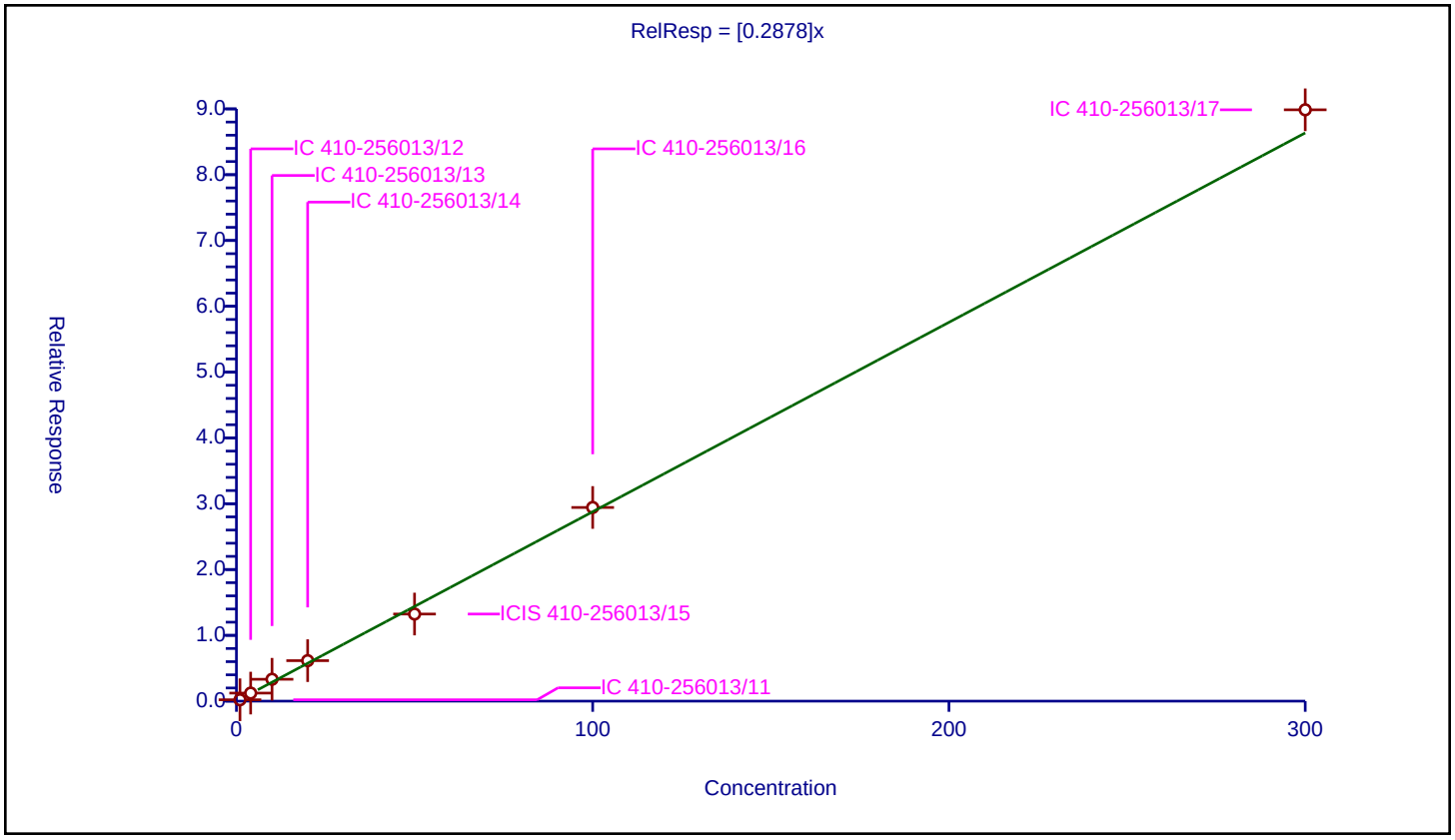
Curve Coefficients

Intercept:	0
Slope:	0.2878

Error Coefficients

Standard Error:	776000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.209297	50.0	882955.0	0.209297	Y
2	IC 410-256013/12	4.0	1.226186	50.0	861819.0	0.306546	Y
3	IC 410-256013/13	10.0	3.325124	50.0	836029.0	0.332512	Y
4	IC 410-256013/14	20.0	6.155816	50.0	874815.0	0.307791	Y
5	ICIS 410-256013/15	50.0	13.238098	50.0	921084.0	0.264762	Y
6	IC 410-256013/16	100.0	29.432225	50.0	951926.0	0.294322	Y
7	IC 410-256013/17	300.0	89.864156	50.0	998570.0	0.299547	Y



Calibration / 1,3-Dichloropropane

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

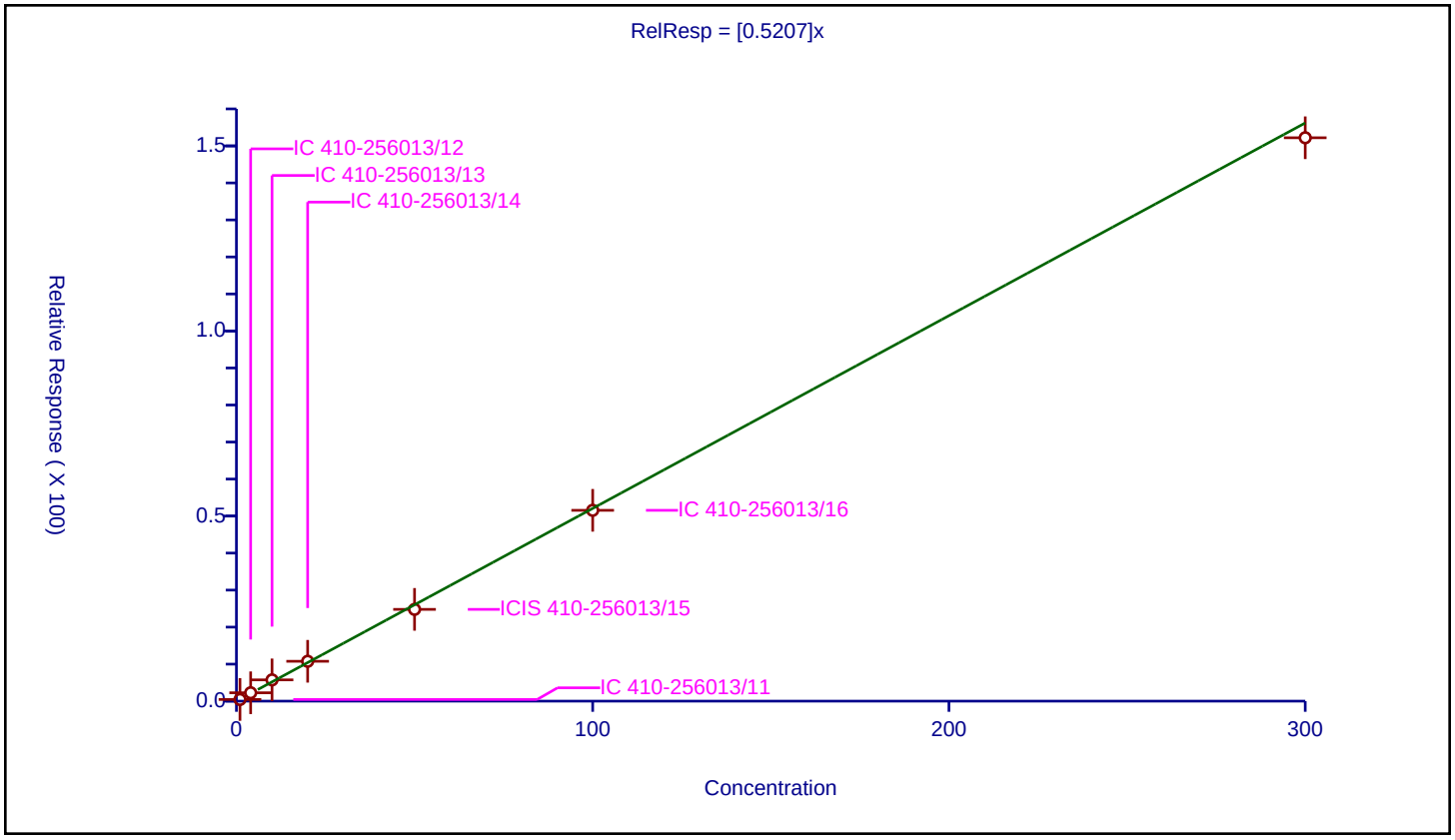
Curve Coefficients

Intercept:	0
Slope:	0.5207

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.447475	50.0	882955.0	0.447475	Y
2	IC 410-256013/12	4.0	2.262888	50.0	861819.0	0.565722	Y
3	IC 410-256013/13	10.0	5.744478	50.0	836029.0	0.574448	Y
4	IC 410-256013/14	20.0	10.766105	50.0	874815.0	0.538305	Y
5	ICIS 410-256013/15	50.0	24.790464	50.0	921084.0	0.495809	Y
6	IC 410-256013/16	100.0	51.547967	50.0	951926.0	0.51548	Y
7	IC 410-256013/17	300.0	152.199996	50.0	998570.0	0.507333	Y



Calibration / 2-Hexanone

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

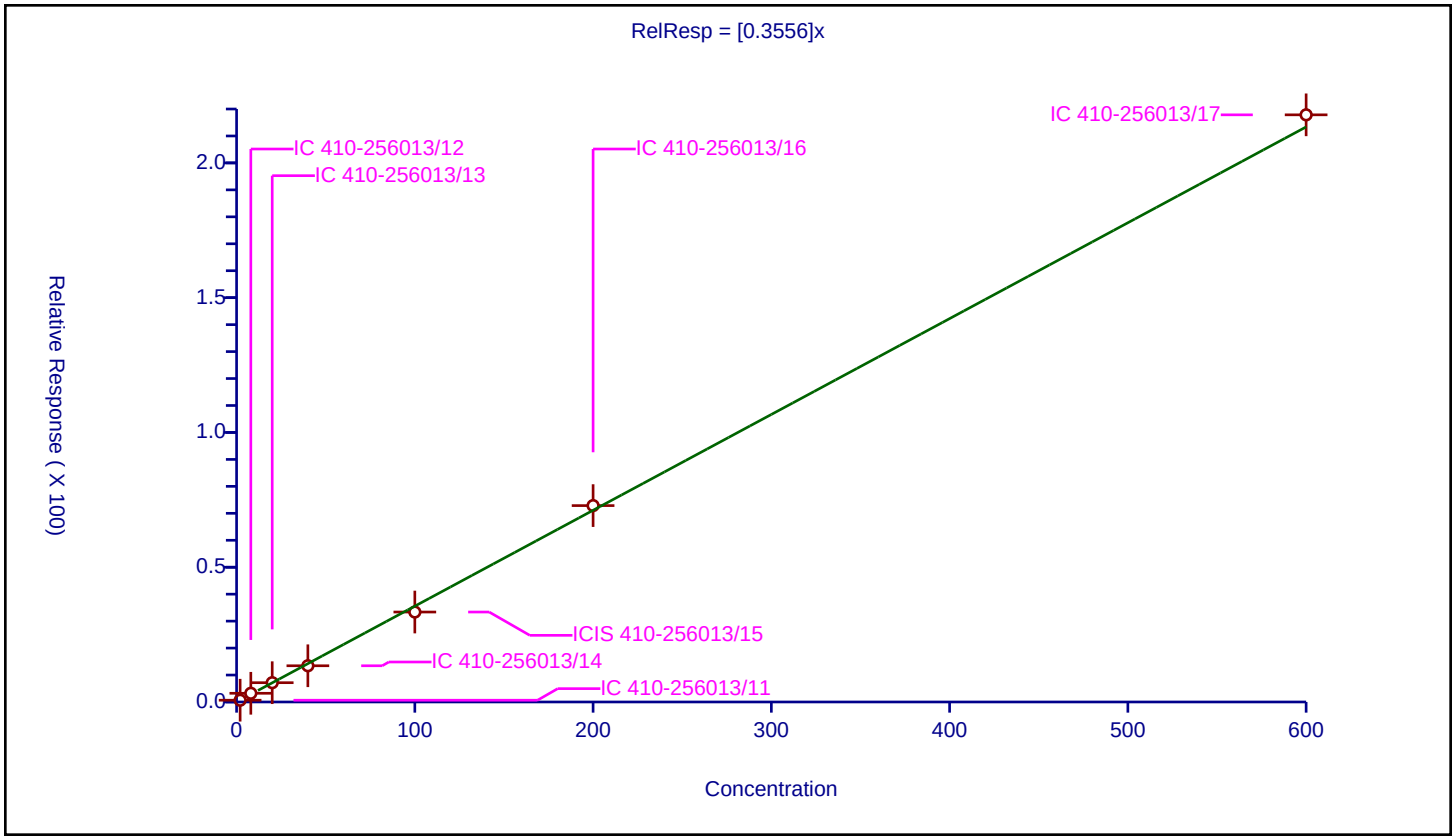
Curve Coefficients

Intercept:	0
Slope:	0.3556

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.0	0.660113	50.0	882955.0	0.330056	Y
2	IC 410-256013/12	8.0	3.231421	50.0	861819.0	0.403928	Y
3	IC 410-256013/13	20.0	7.160637	50.0	836029.0	0.358032	Y
4	IC 410-256013/14	40.0	13.439699	50.0	874815.0	0.335992	Y
5	ICIS 410-256013/15	100.0	33.376109	50.0	921084.0	0.333761	Y
6	IC 410-256013/16	200.0	72.85997	50.0	951926.0	0.3643	Y
7	IC 410-256013/17	600.0	217.83916	50.0	998570.0	0.363065	Y



Calibration / Chlorodibromomethane

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

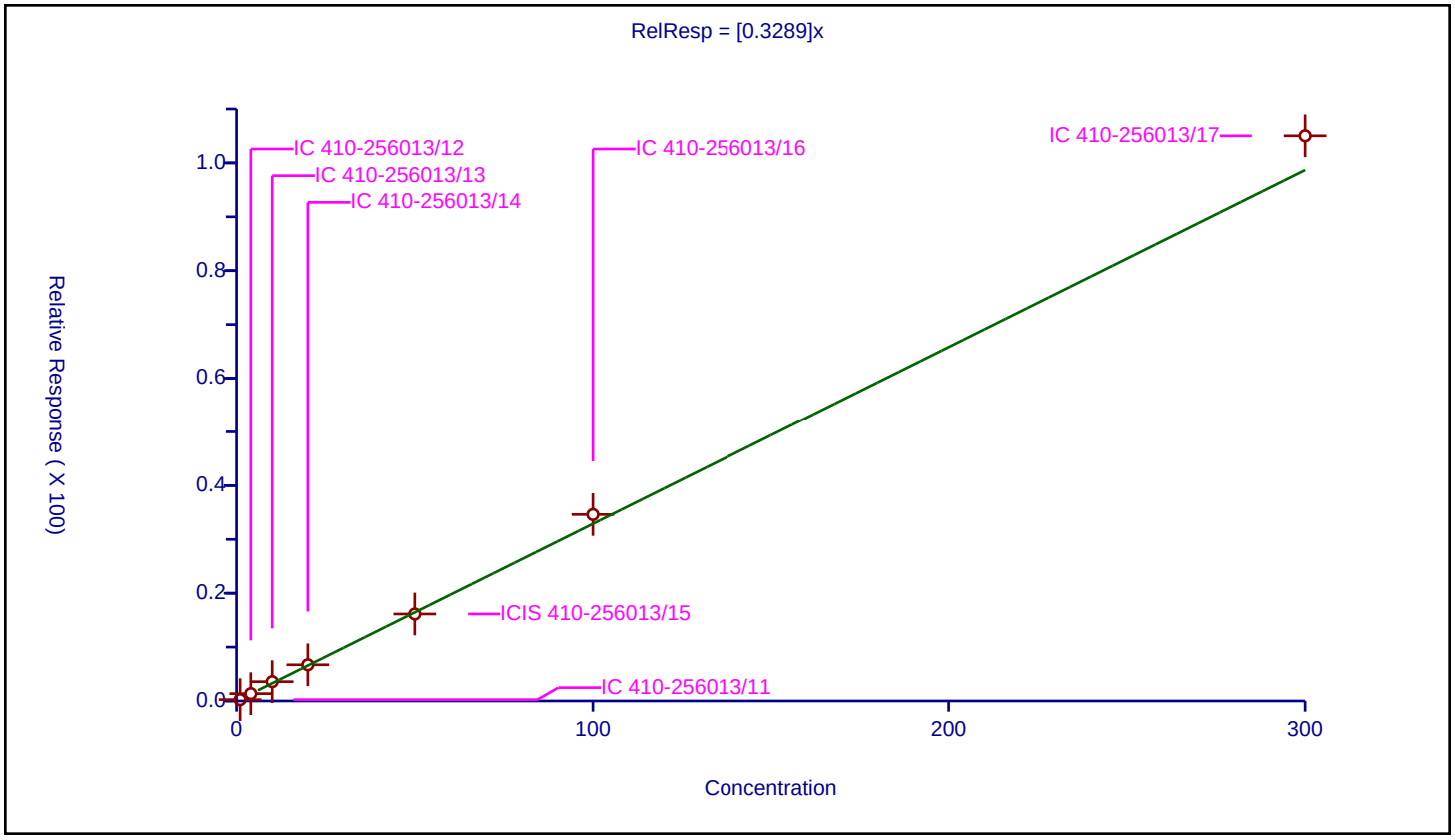
Curve Coefficients

Intercept:	0
Slope:	0.3289

Error Coefficients

Standard Error:	907000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.248937	50.0	882955.0	0.248937	Y
2	IC 410-256013/12	4.0	1.360553	50.0	861819.0	0.340138	Y
3	IC 410-256013/13	10.0	3.583727	50.0	836029.0	0.358373	Y
4	IC 410-256013/14	20.0	6.716449	50.0	874815.0	0.335822	Y
5	ICIS 410-256013/15	50.0	16.143316	50.0	921084.0	0.322866	Y
6	IC 410-256013/16	100.0	34.624593	50.0	951926.0	0.346246	Y
7	IC 410-256013/17	300.0	105.029542	50.0	998570.0	0.350098	Y



Calibration / Ethylene Dibromide

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

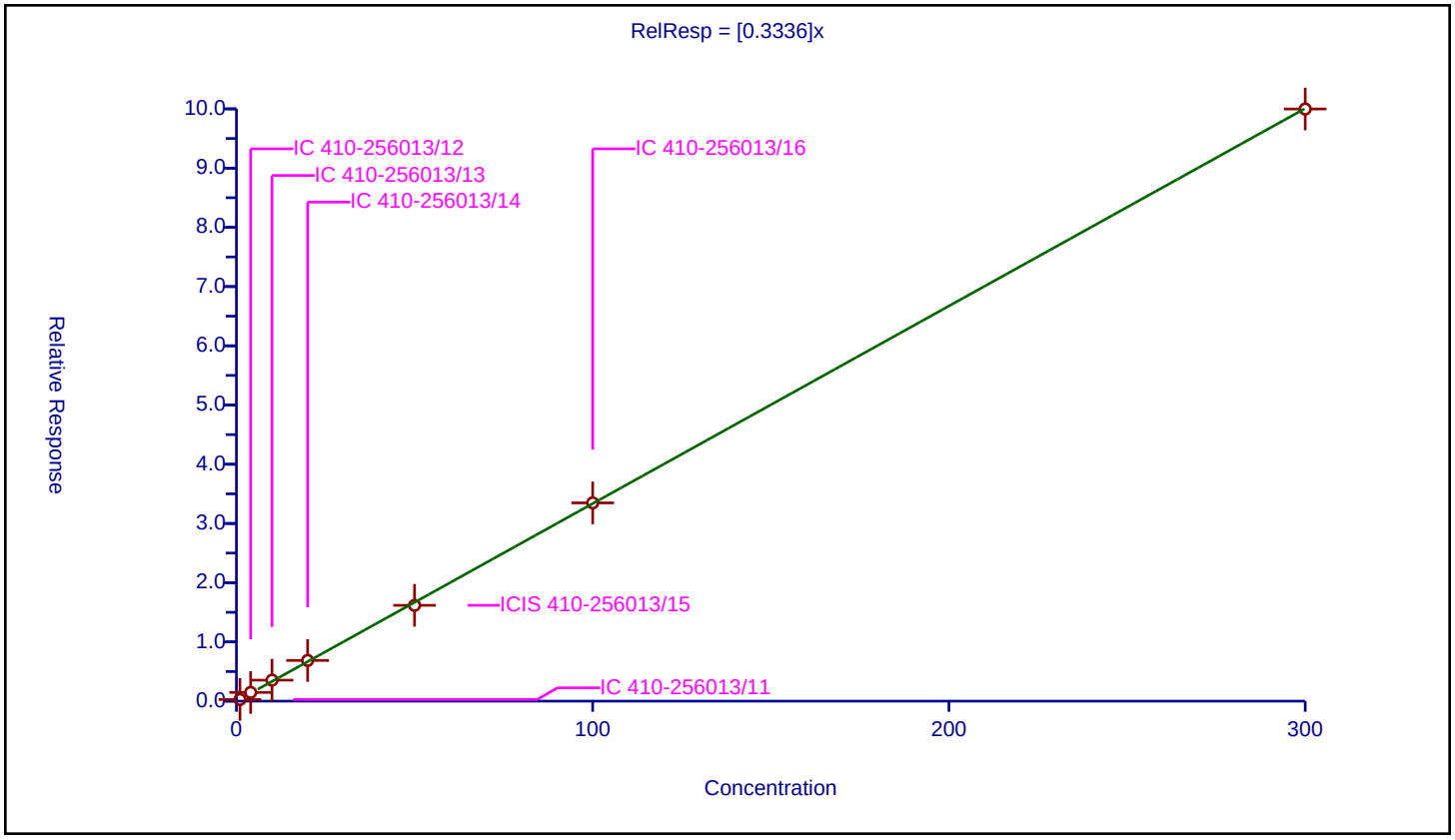
Curve Coefficients

Intercept:	0
Slope:	0.3336

Error Coefficients

Standard Error:	866000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.276911	50.0	882955.0	0.276911	Y
2	IC 410-256013/12	4.0	1.474265	50.0	861819.0	0.368566	Y
3	IC 410-256013/13	10.0	3.544494	50.0	836029.0	0.354449	Y
4	IC 410-256013/14	20.0	6.872082	50.0	874815.0	0.343604	Y
5	ICIS 410-256013/15	50.0	16.17746	50.0	921084.0	0.323549	Y
6	IC 410-256013/16	100.0	33.473873	50.0	951926.0	0.334739	Y
7	IC 410-256013/17	300.0	99.979721	50.0	998570.0	0.333266	Y



Calibration / 1-Chlorohexane

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

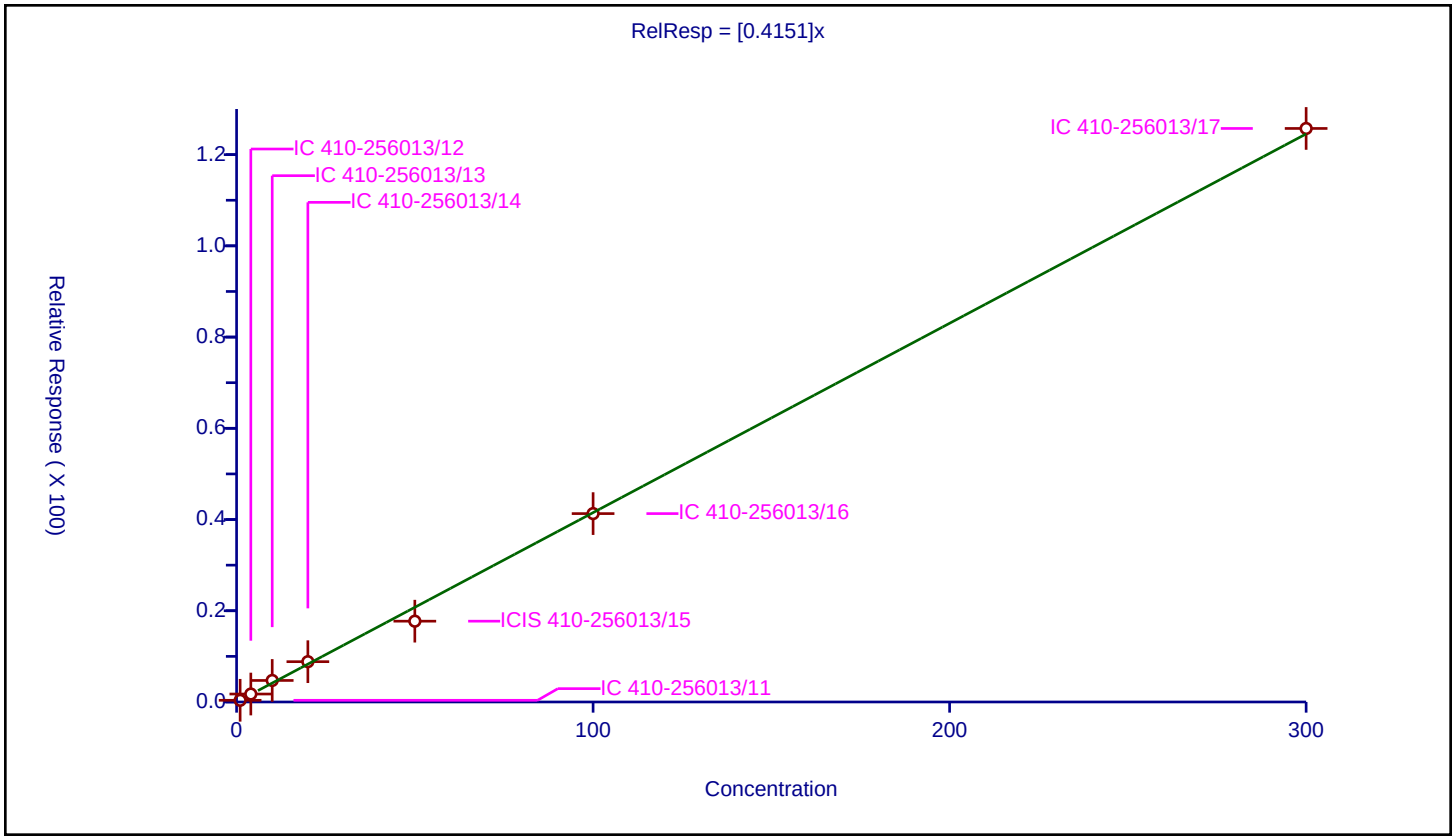
Curve Coefficients

Intercept:	0
Slope:	0.4151

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.368875	50.0	882955.0	0.368875	Y
2	IC 410-256013/12	4.0	1.745668	50.0	861819.0	0.436417	Y
3	IC 410-256013/13	10.0	4.7237	50.0	836029.0	0.47237	Y
4	IC 410-256013/14	20.0	8.837183	50.0	874815.0	0.441859	Y
5	ICIS 410-256013/15	50.0	17.716191	50.0	921084.0	0.354324	Y
6	IC 410-256013/16	100.0	41.302633	50.0	951926.0	0.413026	Y
7	IC 410-256013/17	300.0	125.735101	50.0	998570.0	0.419117	Y



Calibration / Chlorobenzene

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

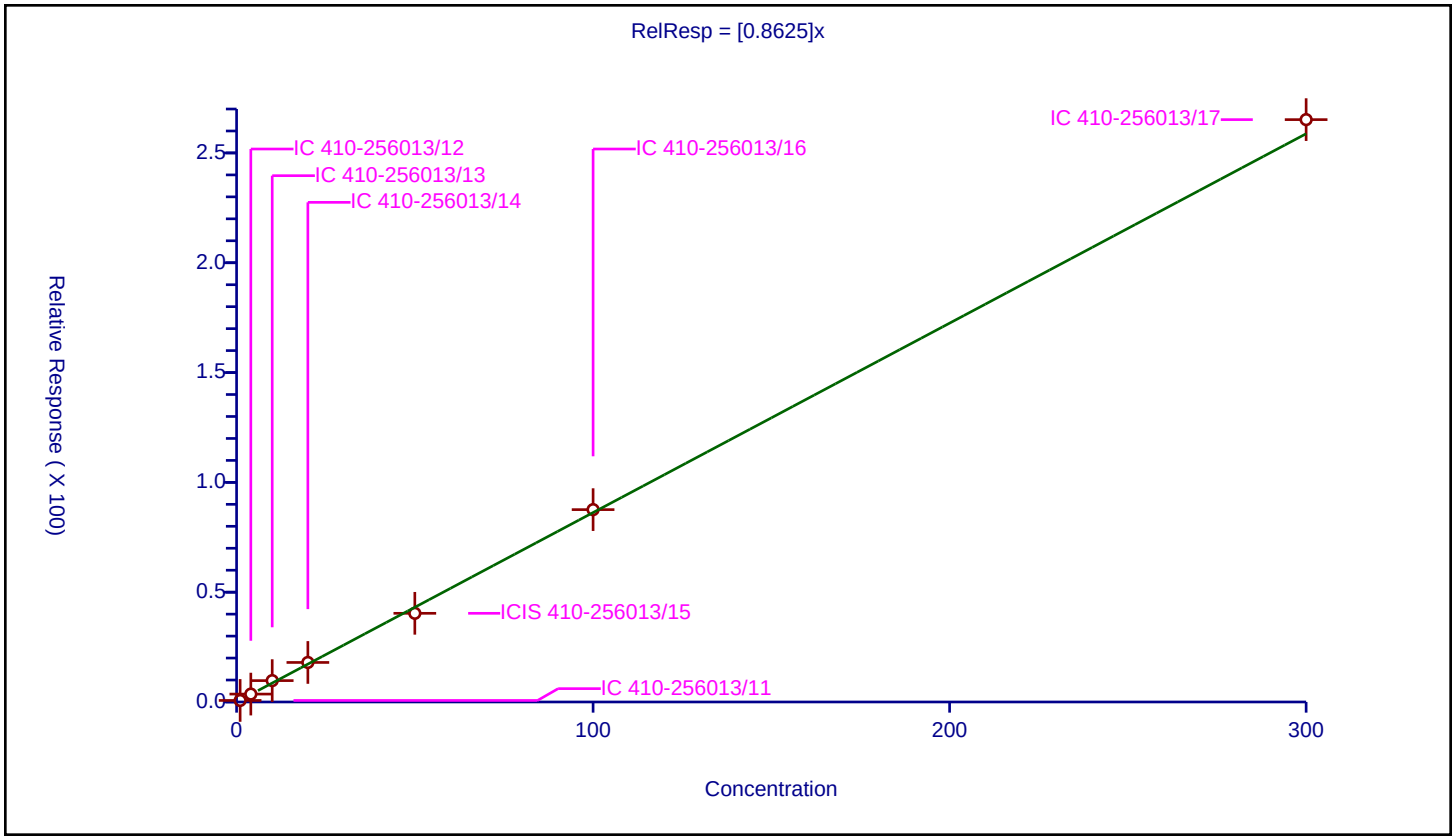
Curve Coefficients

Intercept:	0
Slope:	0.8625

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.695845	50.0	882955.0	0.695845	Y
2	IC 410-256013/12	4.0	3.604817	50.0	861819.0	0.901204	Y
3	IC 410-256013/13	10.0	9.732617	50.0	836029.0	0.973262	Y
4	IC 410-256013/14	20.0	17.995405	50.0	874815.0	0.89977	Y
5	ICIS 410-256013/15	50.0	40.38269	50.0	921084.0	0.807654	Y
6	IC 410-256013/16	100.0	87.584697	50.0	951926.0	0.875847	Y
7	IC 410-256013/17	300.0	265.169392	50.0	998570.0	0.883898	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

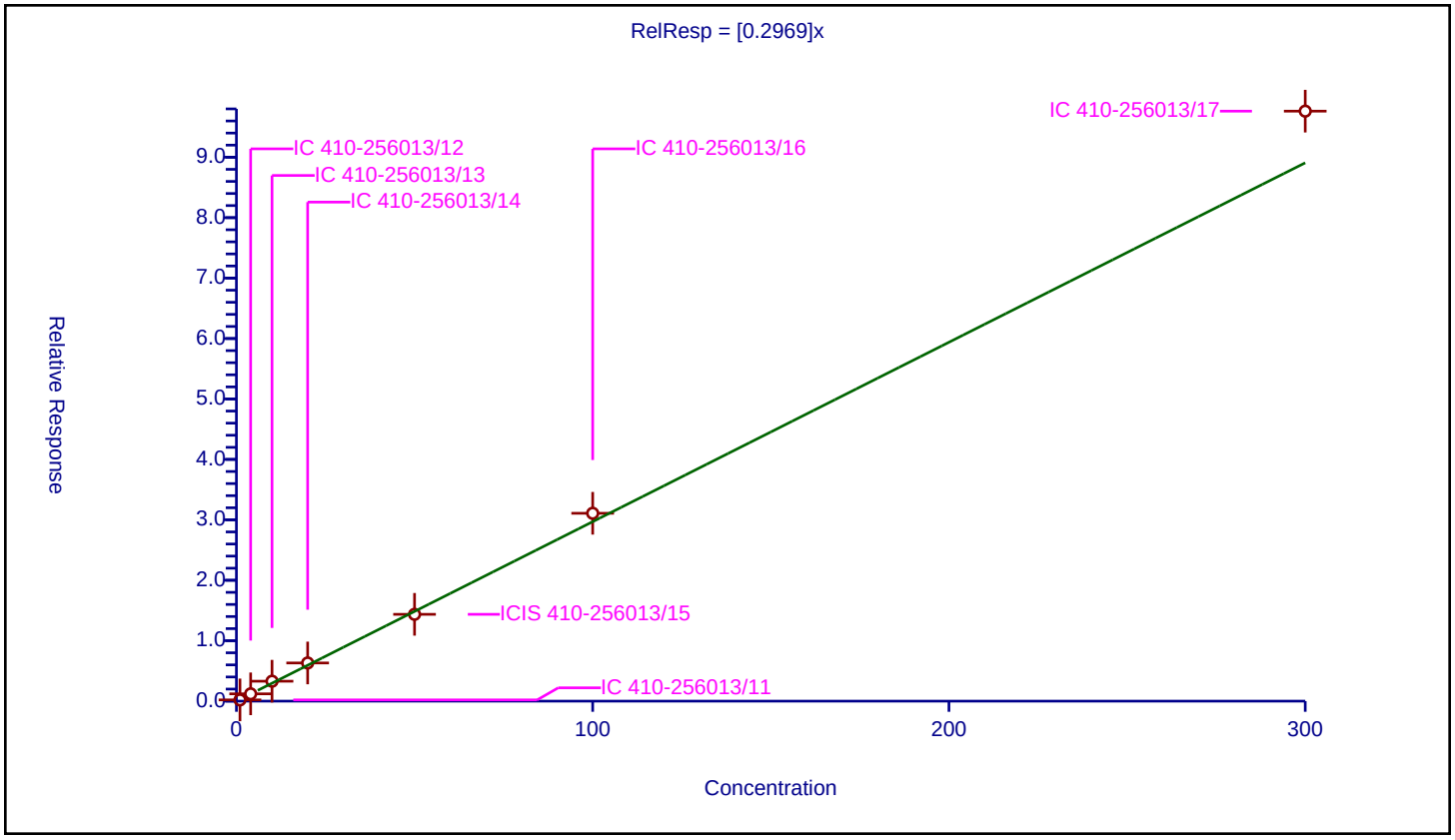
Curve Coefficients

Intercept:	0
Slope:	0.2969

Error Coefficients

Standard Error:	840000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.206239	50.0	882955.0	0.206239	Y
2	IC 410-256013/12	4.0	1.211391	50.0	861819.0	0.302848	Y
3	IC 410-256013/13	10.0	3.29857	50.0	836029.0	0.329857	Y
4	IC 410-256013/14	20.0	6.318422	50.0	874815.0	0.315921	Y
5	ICIS 410-256013/15	50.0	14.365682	50.0	921084.0	0.287314	Y
6	IC 410-256013/16	100.0	31.087238	50.0	951926.0	0.310872	Y
7	IC 410-256013/17	300.0	97.626356	50.0	998570.0	0.325421	Y



Calibration / Ethylbenzene

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

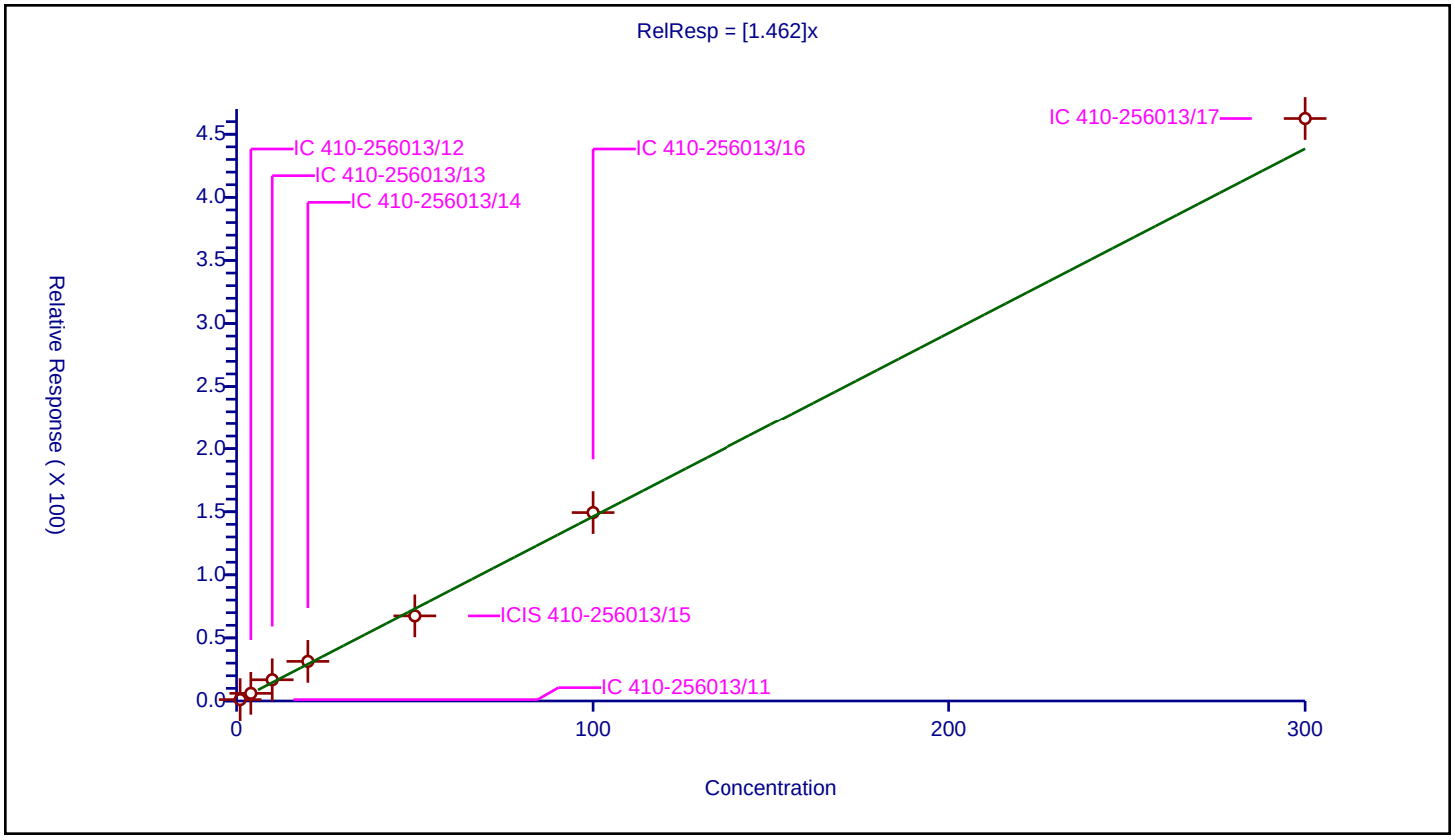
Curve Coefficients

Intercept:	0
Slope:	1.462

Error Coefficients

Standard Error:	3990000
Relative Standard Error:	13.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.080406	50.0	882955.0	1.080406	Y
2	IC 410-256013/12	4.0	6.064208	50.0	861819.0	1.516052	Y
3	IC 410-256013/13	10.0	16.820409	50.0	836029.0	1.682041	Y
4	IC 410-256013/14	20.0	31.397038	50.0	874815.0	1.569852	Y
5	ICIS 410-256013/15	50.0	67.44754	50.0	921084.0	1.348951	Y
6	IC 410-256013/16	100.0	149.348006	50.0	951926.0	1.49348	Y
7	IC 410-256013/17	300.0	462.479996	50.0	998570.0	1.5416	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

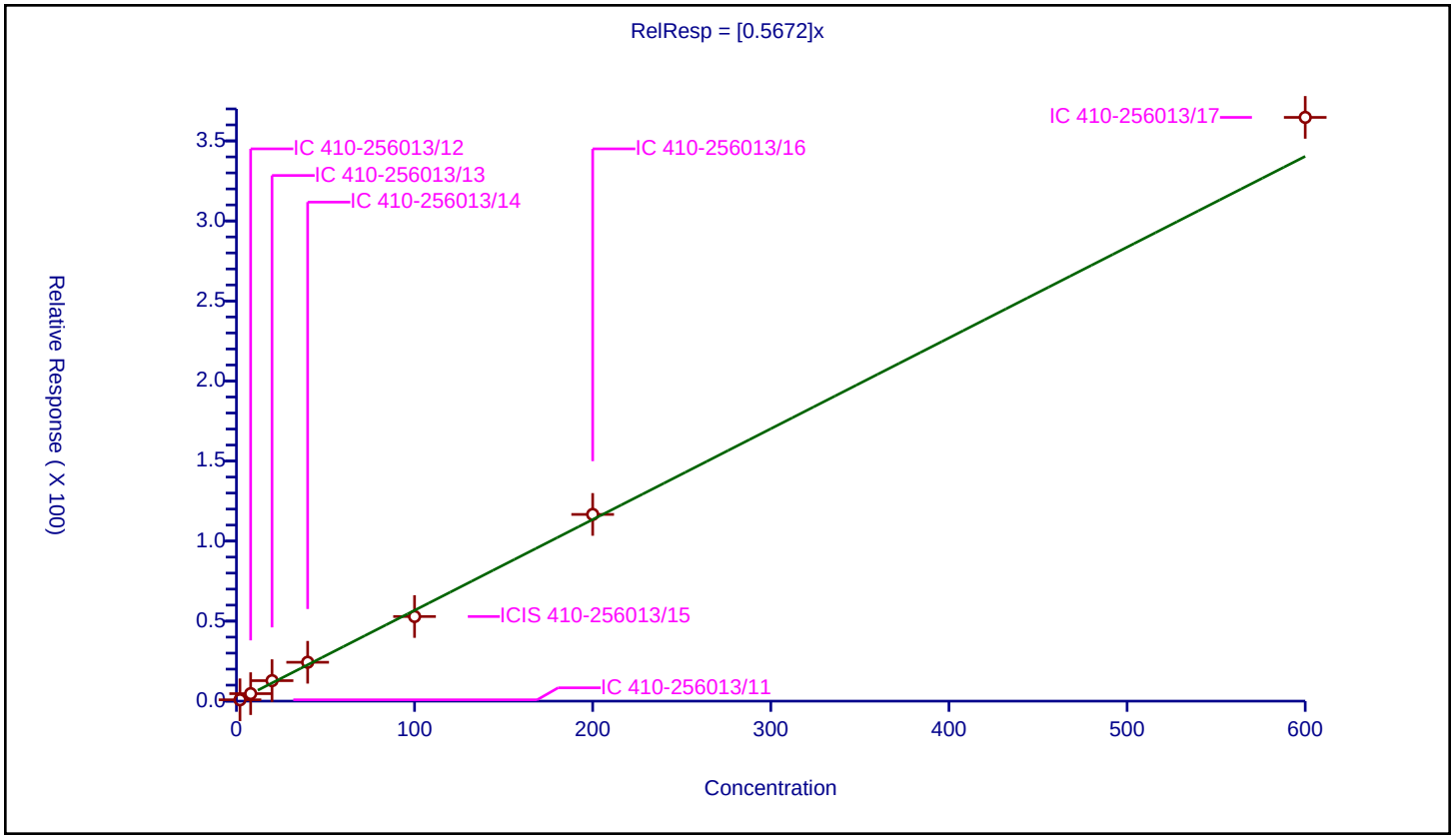
Curve Coefficients

Intercept:	0
Slope:	0.5672

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.0	0.836453	50.0	882955.0	0.418226	Y
2	IC 410-256013/12	8.0	4.686425	50.0	861819.0	0.585803	Y
3	IC 410-256013/13	20.0	12.799078	50.0	836029.0	0.639954	Y
4	IC 410-256013/14	40.0	24.278962	50.0	874815.0	0.606974	Y
5	ICIS 410-256013/15	100.0	52.873788	50.0	921084.0	0.528738	Y
6	IC 410-256013/16	200.0	116.643731	50.0	951926.0	0.583219	Y
7	IC 410-256013/17	600.0	364.694163	50.0	998570.0	0.607824	Y



Calibration / o-Xylene

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

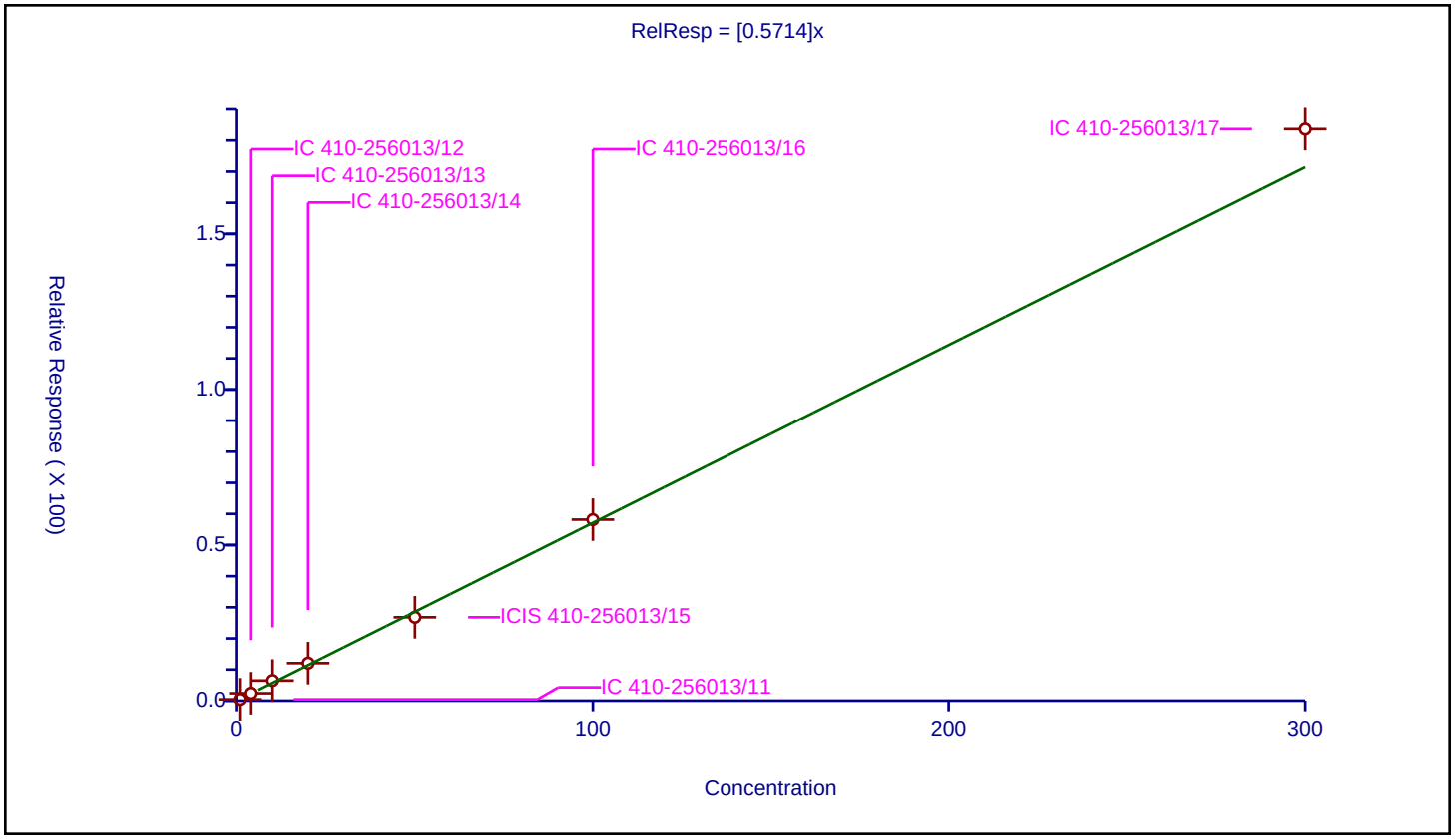
Curve Coefficients

Intercept:	0
Slope:	0.5714

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.426126	50.0	882955.0	0.426126	Y
2	IC 410-256013/12	4.0	2.377587	50.0	861819.0	0.594397	Y
3	IC 410-256013/13	10.0	6.464848	50.0	836029.0	0.646485	Y
4	IC 410-256013/14	20.0	12.060893	50.0	874815.0	0.603045	Y
5	ICIS 410-256013/15	50.0	26.798642	50.0	921084.0	0.535973	Y
6	IC 410-256013/16	100.0	58.173272	50.0	951926.0	0.581733	Y
7	IC 410-256013/17	300.0	183.65002	50.0	998570.0	0.612167	Y



Calibration / Styrene

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

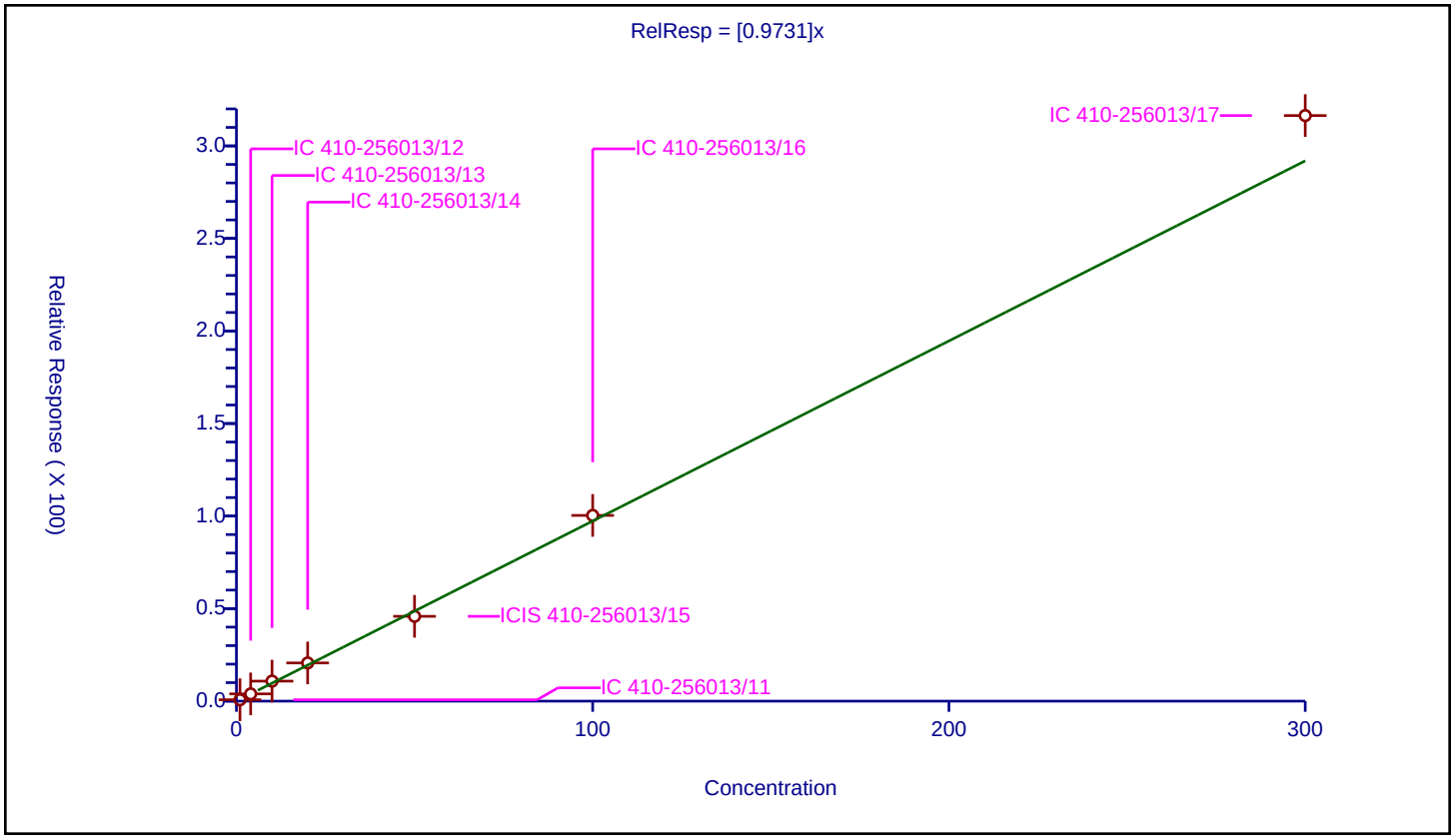
Curve Coefficients

Intercept:	0
Slope:	0.9731

Error Coefficients

Standard Error:	2720000
Relative Standard Error:	11.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.741997	50.0	882955.0	0.741997	Y
2	IC 410-256013/12	4.0	3.926695	50.0	861819.0	0.981674	Y
3	IC 410-256013/13	10.0	10.812544	50.0	836029.0	1.081254	Y
4	IC 410-256013/14	20.0	20.642993	50.0	874815.0	1.03215	Y
5	ICIS 410-256013/15	50.0	45.833768	50.0	921084.0	0.916675	Y
6	IC 410-256013/16	100.0	100.348714	50.0	951926.0	1.003487	Y
7	IC 410-256013/17	300.0	316.391139	50.0	998570.0	1.054637	Y



Calibration / Bromoform

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

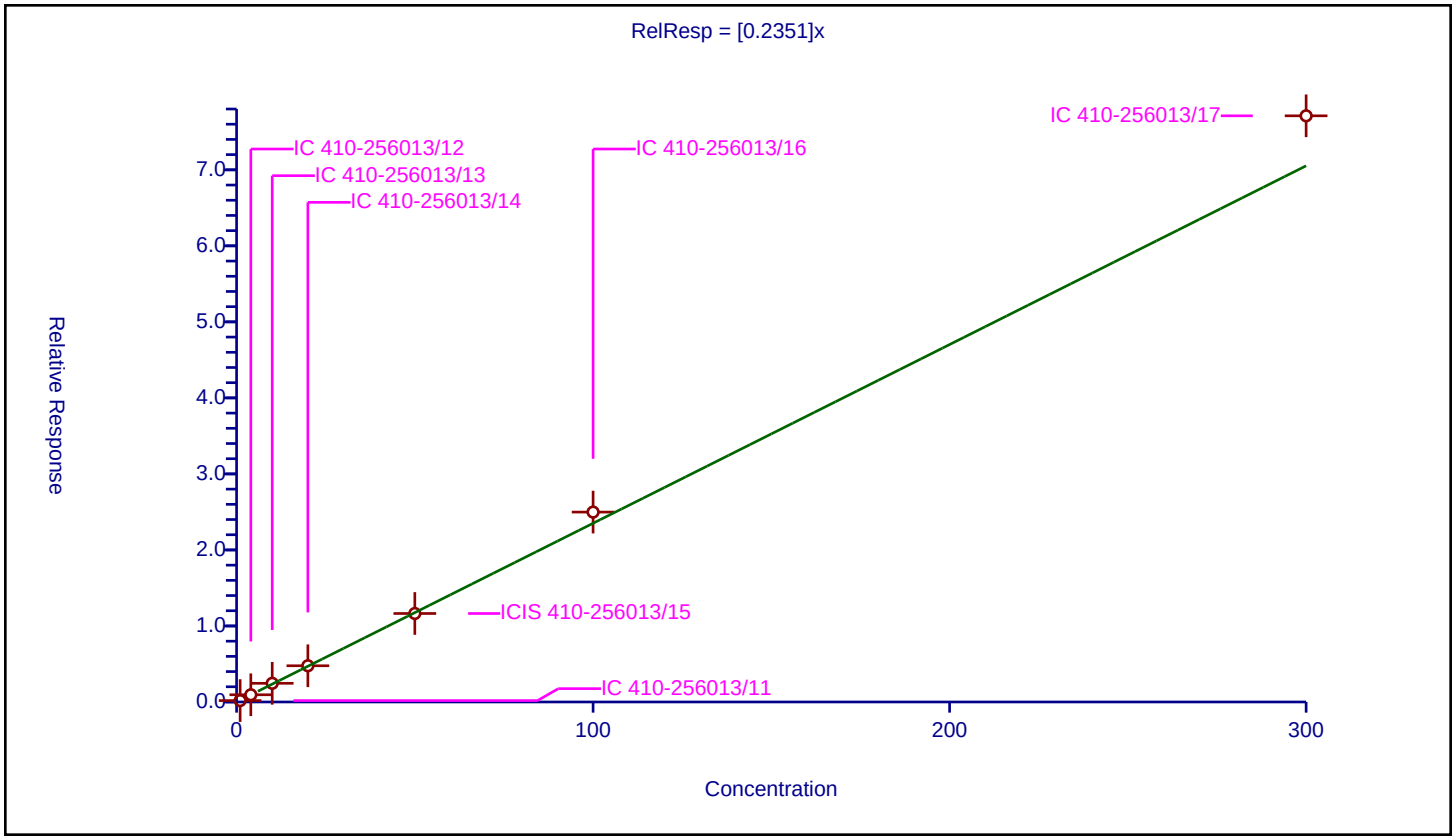
Curve Coefficients

Intercept:	0
Slope:	0.2351

Error Coefficients

Standard Error:	665000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.184834	50.0	882955.0	0.184834	Y
2	IC 410-256013/12	4.0	0.949097	50.0	861819.0	0.237274	Y
3	IC 410-256013/13	10.0	2.457092	50.0	836029.0	0.245709	Y
4	IC 410-256013/14	20.0	4.763807	50.0	874815.0	0.23819	Y
5	ICIS 410-256013/15	50.0	11.639709	50.0	921084.0	0.232794	Y
6	IC 410-256013/16	100.0	24.981879	50.0	951926.0	0.249819	Y
7	IC 410-256013/17	300.0	77.104359	50.0	998570.0	0.257015	Y



Calibration / Isopropylbenzene

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

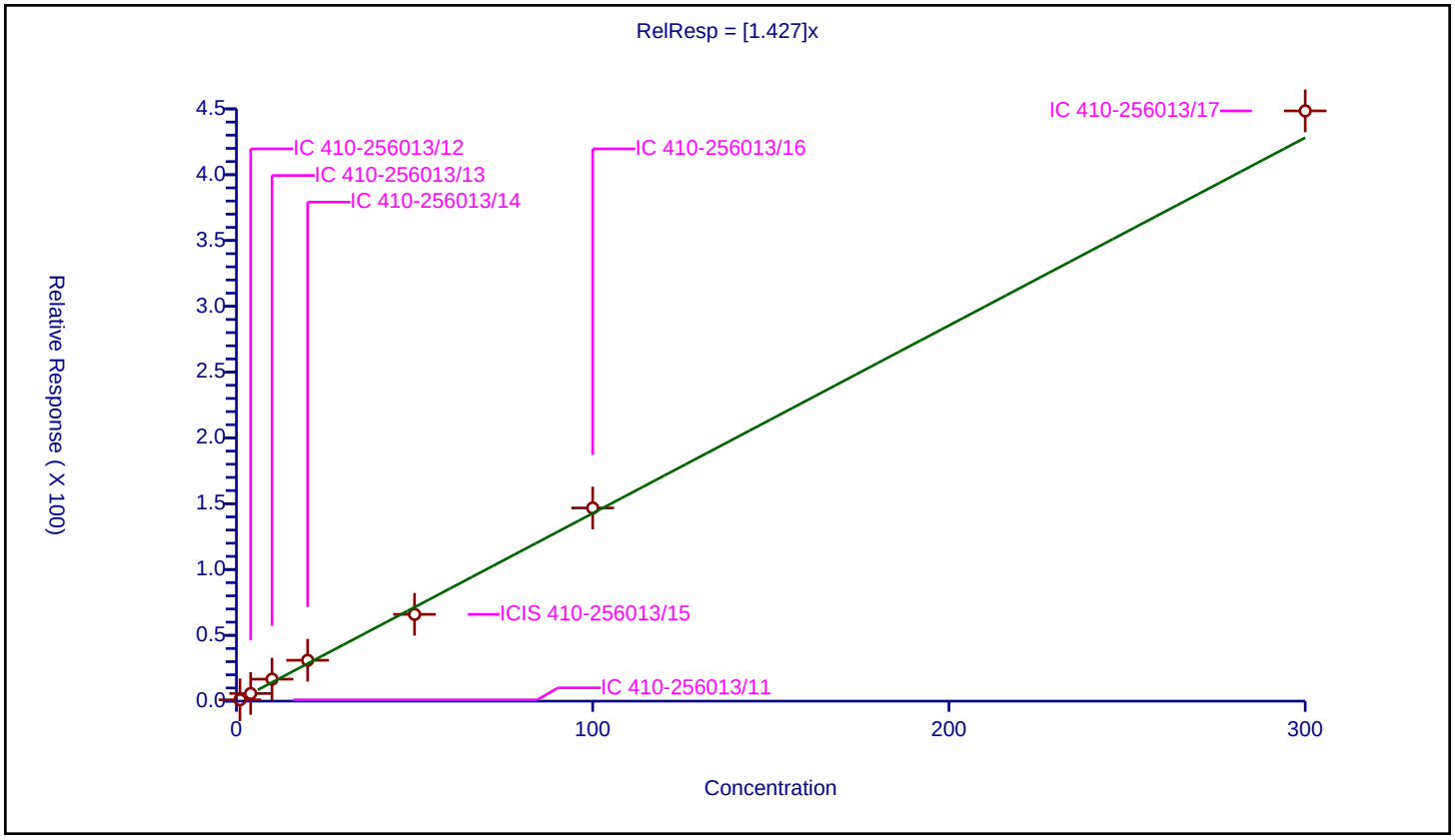
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	3870000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.030857	50.0	882955.0	1.030857	Y
2	IC 410-256013/12	4.0	5.813402	50.0	861819.0	1.45335	Y
3	IC 410-256013/13	10.0	16.708751	50.0	836029.0	1.670875	Y
4	IC 410-256013/14	20.0	31.055537	50.0	874815.0	1.552777	Y
5	ICIS 410-256013/15	50.0	65.94974	50.0	921084.0	1.318995	Y
6	IC 410-256013/16	100.0	146.769602	50.0	951926.0	1.467696	Y
7	IC 410-256013/17	300.0	448.476321	50.0	998570.0	1.494921	Y



Calibration / Cyclohexanone

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

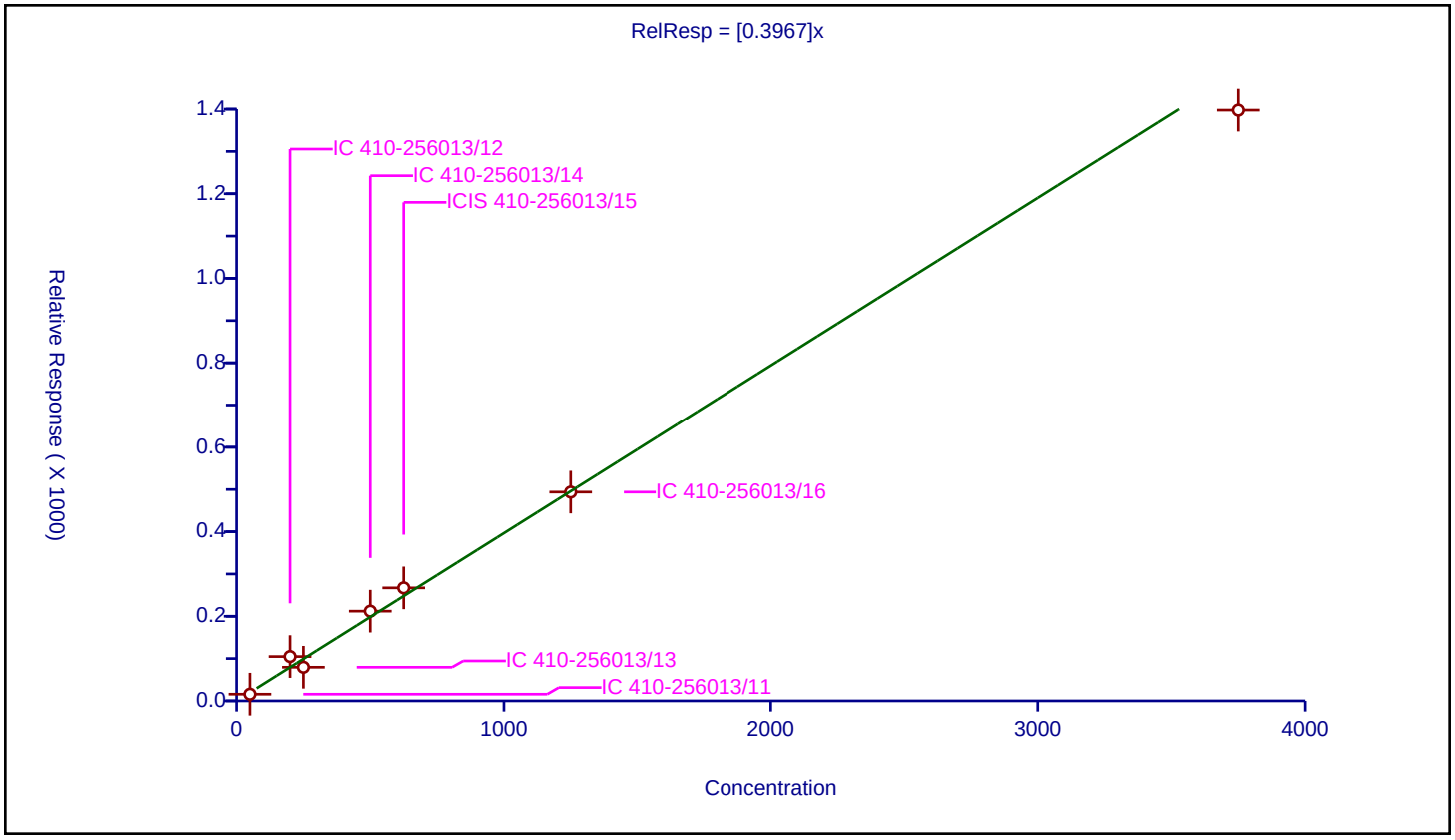
Curve Coefficients

Intercept:	0
Slope:	0.3967

Error Coefficients

Standard Error:	734000
Relative Standard Error:	18.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	50.000278	15.810916	250.0	261038.0	0.316217	Y
2	IC 410-256013/12	200.00111	104.708027	250.0	259493.0	0.523537	Y
3	IC 410-256013/13	250.001388	79.467322	250.0	245796.0	0.317868	Y
4	IC 410-256013/14	500.002776	212.061623	250.0	260877.0	0.424121	Y
5	ICIS 410-256013/15	625.00347	267.18979	250.0	276385.0	0.427501	Y
6	IC 410-256013/16	1250.00694	493.913018	250.0	285897.0	0.395128	Y
7	IC 410-256013/17	3750.02082	1397.617456	250.0	297602.0	0.372696	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

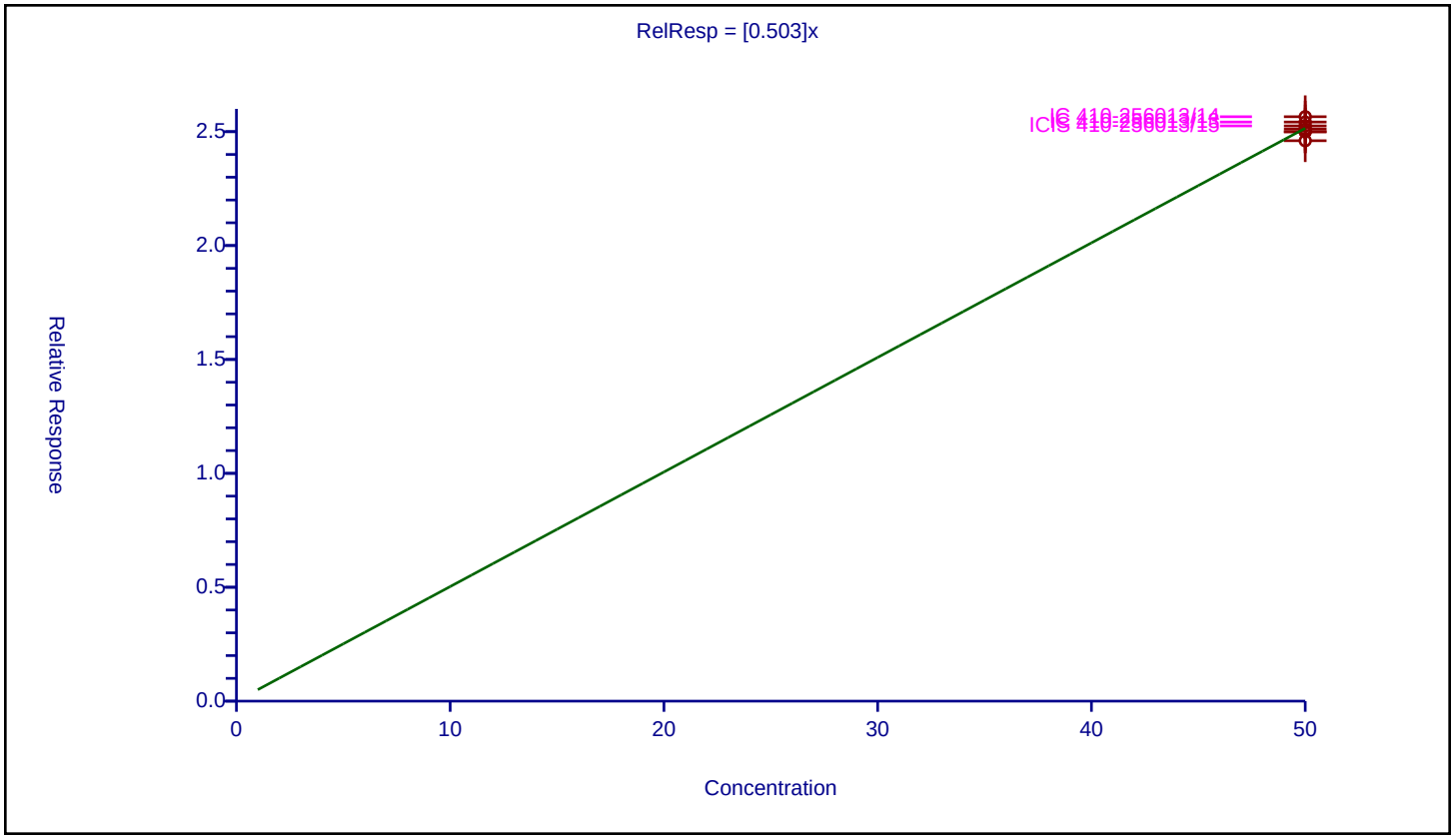
Curve Coefficients

Intercept:	0
Slope:	0.503

Error Coefficients

Standard Error:	491000
Relative Standard Error:	1.3
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	50.0	24.991817	50.0	882955.0	0.499836	Y
2	IC 410-256013/12	50.0	24.999101	50.0	861819.0	0.499982	Y
3	IC 410-256013/13	50.0	25.4234	50.0	836029.0	0.508468	Y
4	IC 410-256013/14	50.0	25.656224	50.0	874815.0	0.513124	Y
5	ICIS 410-256013/15	50.0	25.253071	50.0	921084.0	0.505061	Y
6	IC 410-256013/16	50.0	25.116448	50.0	951926.0	0.502329	Y
7	IC 410-256013/17	50.0	24.603283	50.0	998570.0	0.492066	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

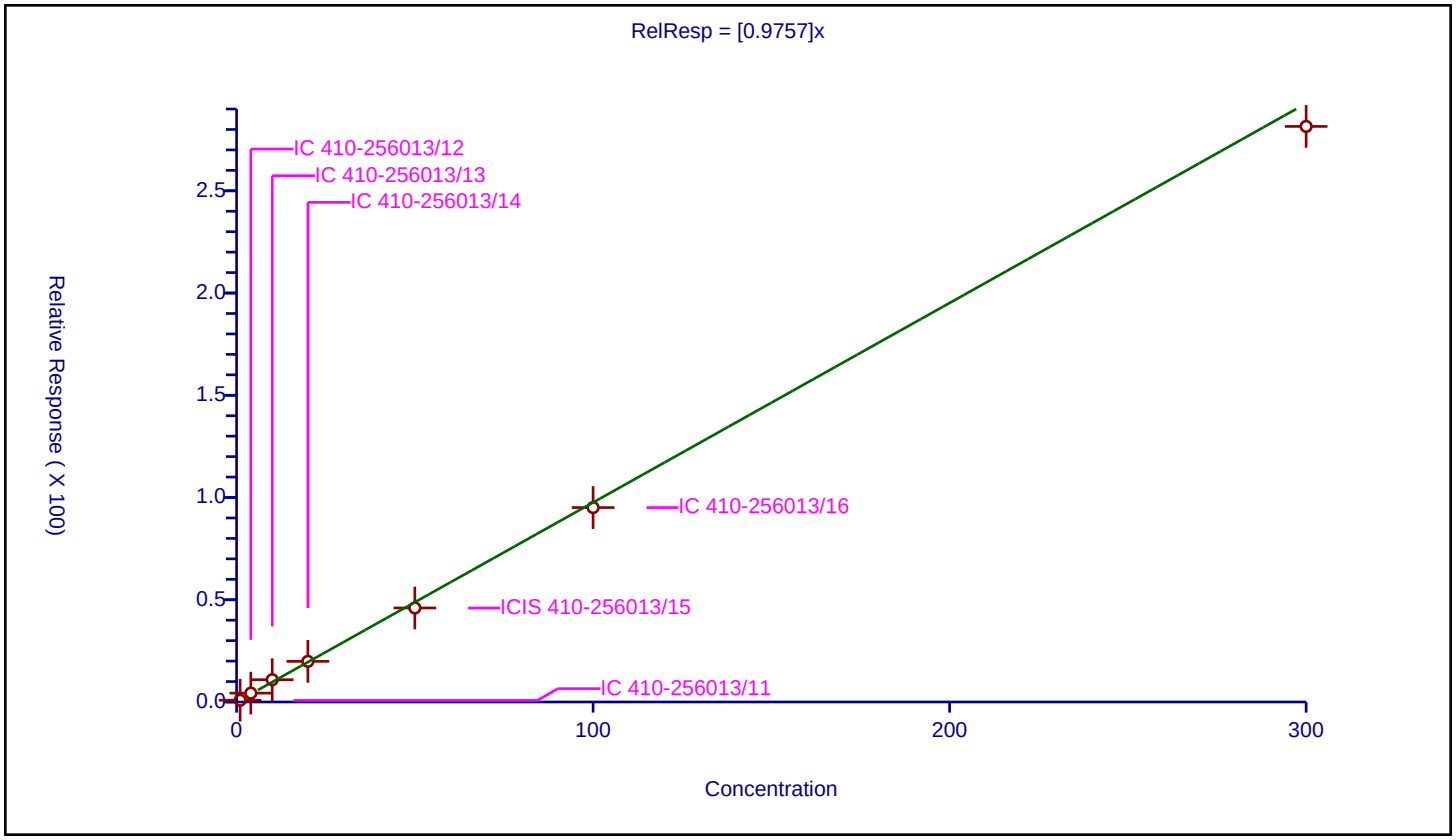
Curve Coefficients

Intercept:	0
Slope:	0.9757

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.855141	50.0	466473.0	0.855141	Y
2	IC 410-256013/12	4.0	4.333228	50.0	457638.0	1.083307	Y
3	IC 410-256013/13	10.0	10.896279	50.0	448800.0	1.089628	Y
4	IC 410-256013/14	20.0	19.862761	50.0	469182.0	0.993138	Y
5	ICIS 410-256013/15	50.0	45.991454	50.0	498273.0	0.919829	Y
6	IC 410-256013/16	100.0	95.083301	50.0	510617.0	0.950833	Y
7	IC 410-256013/17	300.0	281.485769	50.0	542534.0	0.938286	Y



Calibration / Bromobenzene

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

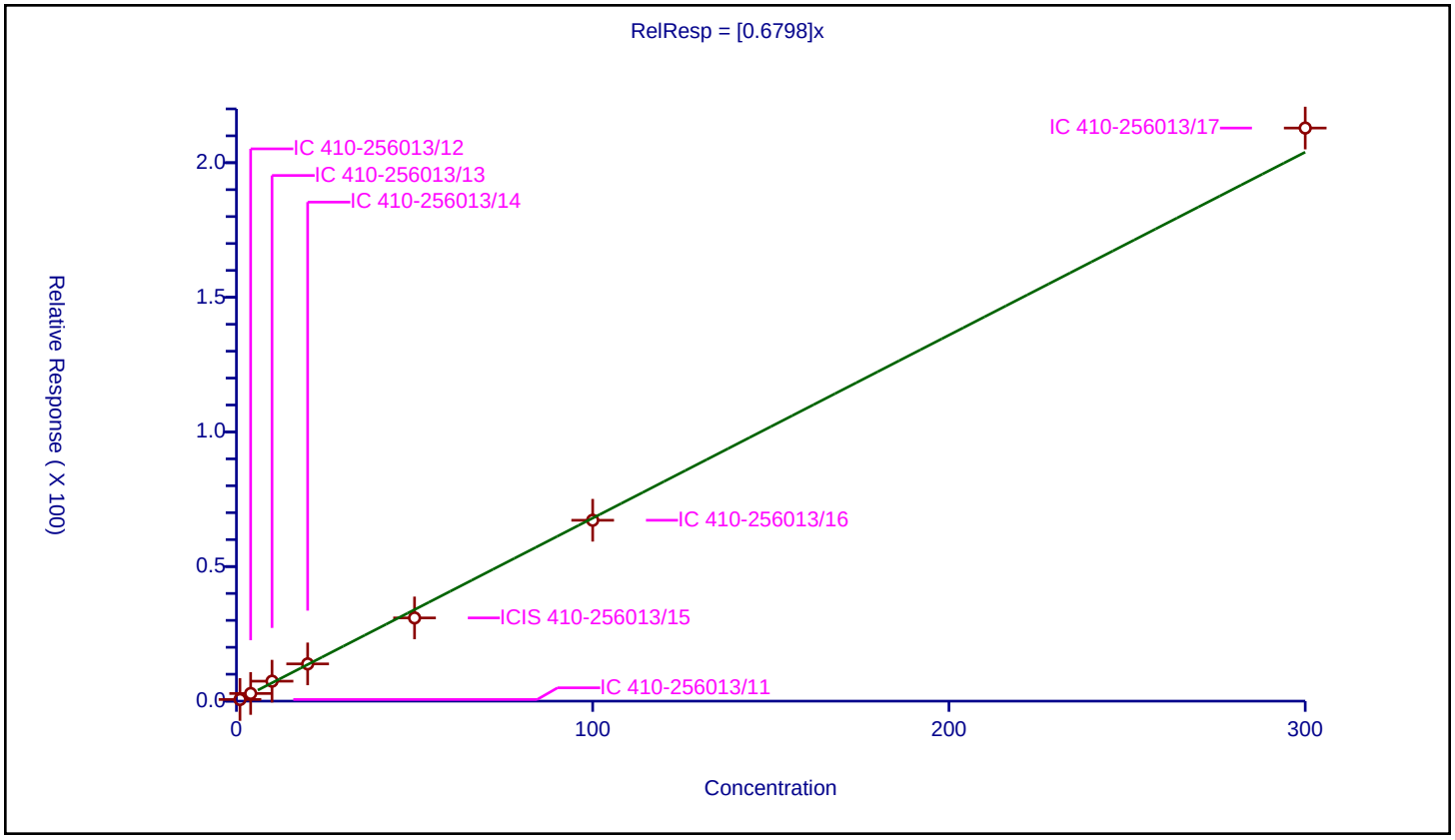
Curve Coefficients

Intercept:	0
Slope:	0.6798

Error Coefficients

Standard Error:	994000
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 410-256013/11	1.0	0.613112	50.0	466473.0	0.613112	Y
2	IC 410-256013/12	4.0	2.849086	50.0	457638.0	0.712271	Y
3	IC 410-256013/13	10.0	7.414439	50.0	448800.0	0.741444	Y
4	IC 410-256013/14	20.0	13.836209	50.0	469182.0	0.69181	Y
5	ICIS 410-256013/15	50.0	30.917489	50.0	498273.0	0.61835	Y
6	IC 410-256013/16	100.0	67.190967	50.0	510617.0	0.67191	Y
7	IC 410-256013/17	300.0	212.88887	50.0	542534.0	0.70963	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

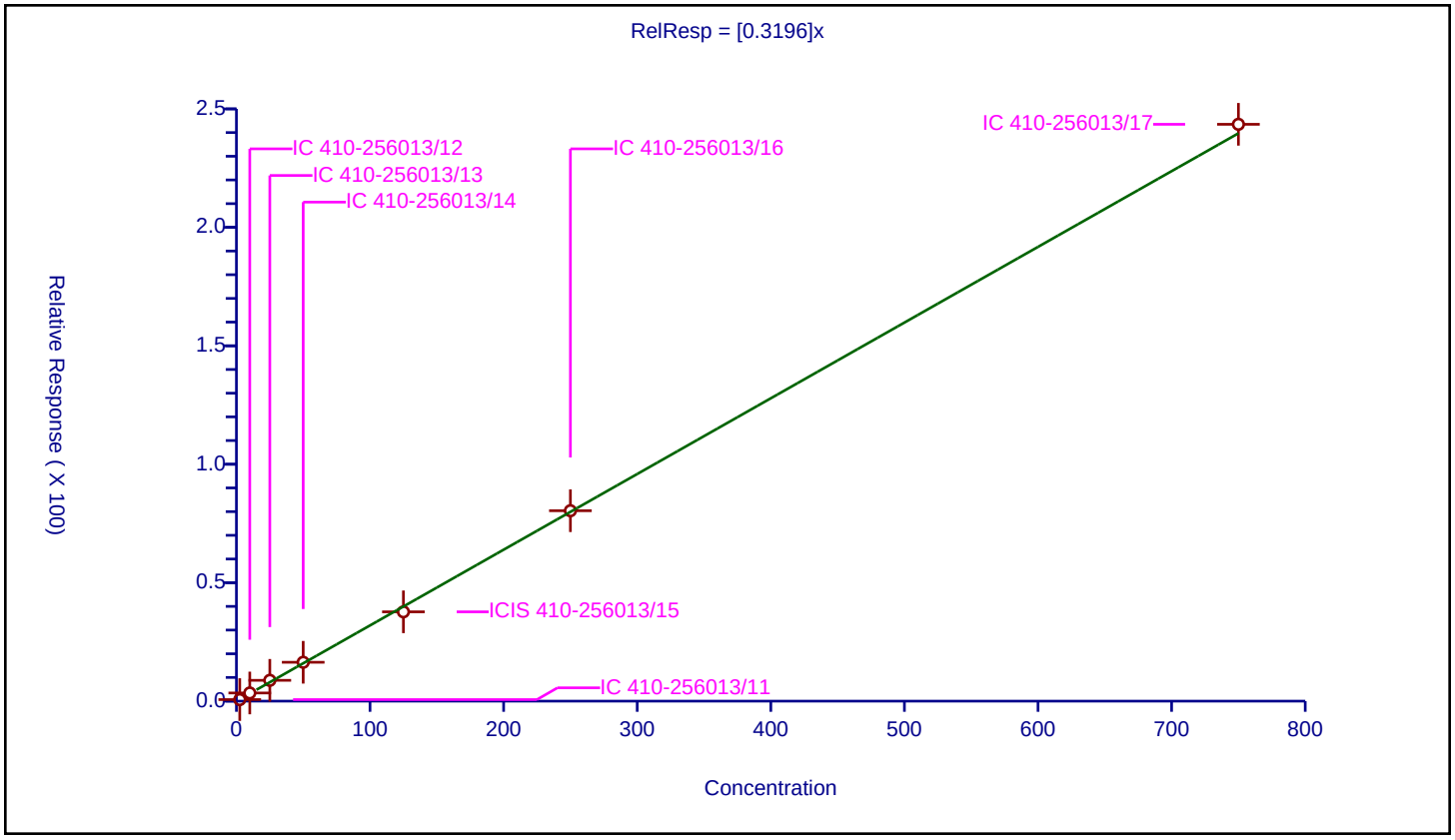
Curve Coefficients

Intercept:	0
Slope:	0.3196

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	2.5	0.661453	50.0	466473.0	0.264581	Y
2	IC 410-256013/12	10.0	3.451418	50.0	457638.0	0.345142	Y
3	IC 410-256013/13	25.0	8.787545	50.0	448800.0	0.351502	Y
4	IC 410-256013/14	50.0	16.404721	50.0	469182.0	0.328094	Y
5	ICIS 410-256013/15	125.0	37.704832	50.0	498273.0	0.301639	Y
6	IC 410-256013/16	250.0	80.375506	50.0	510617.0	0.321502	Y
7	IC 410-256013/17	750.0	243.493956	50.0	542534.0	0.324659	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

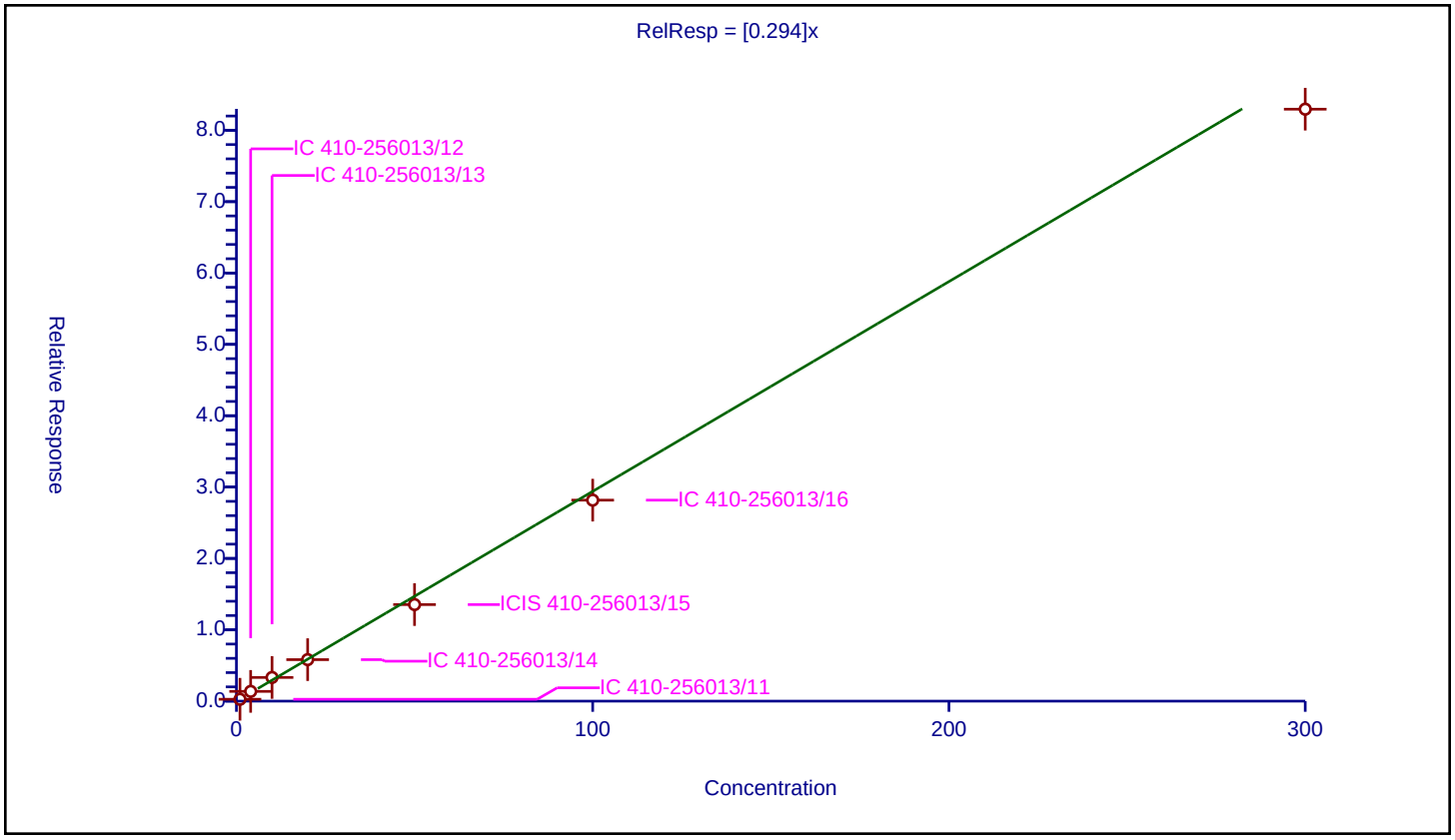
Curve Coefficients

Intercept:	0
Slope:	0.294

Error Coefficients

Standard Error:	391000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.264324	50.0	466473.0	0.264324	Y
2	IC 410-256013/12	4.0	1.367347	50.0	457638.0	0.341837	Y
3	IC 410-256013/13	10.0	3.321078	50.0	448800.0	0.332108	Y
4	IC 410-256013/14	20.0	5.816932	50.0	469182.0	0.290847	Y
5	ICIS 410-256013/15	50.0	13.531036	50.0	498273.0	0.270621	Y
6	IC 410-256013/16	100.0	28.166806	50.0	510617.0	0.281668	Y
7	IC 410-256013/17	300.0	82.959409	50.0	542534.0	0.276531	Y



Calibration / N-Propylbenzene

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

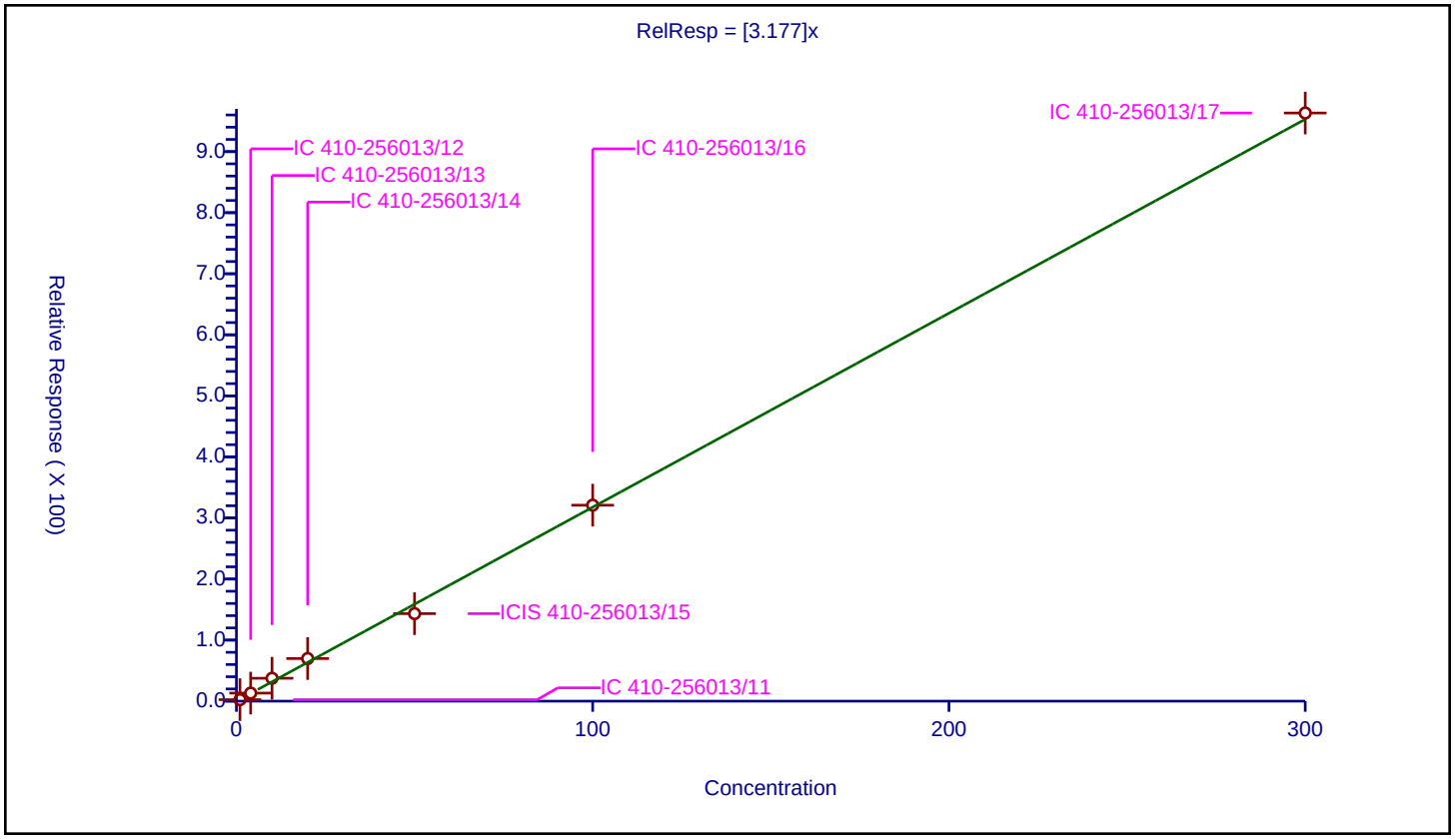
Curve Coefficients

Intercept:	0
Slope:	3.177

Error Coefficients

Standard Error:	4520000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	2.409679	50.0	466473.0	2.409679	Y
2	IC 410-256013/12	4.0	13.210878	50.0	457638.0	3.30272	Y
3	IC 410-256013/13	10.0	37.503231	50.0	448800.0	3.750323	Y
4	IC 410-256013/14	20.0	69.762587	50.0	469182.0	3.488129	Y
5	ICIS 410-256013/15	50.0	143.312802	50.0	498273.0	2.866256	Y
6	IC 410-256013/16	100.0	320.945934	50.0	510617.0	3.209459	Y
7	IC 410-256013/17	300.0	963.240645	50.0	542534.0	3.210802	Y



Calibration / 2-Chlorotoluene

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

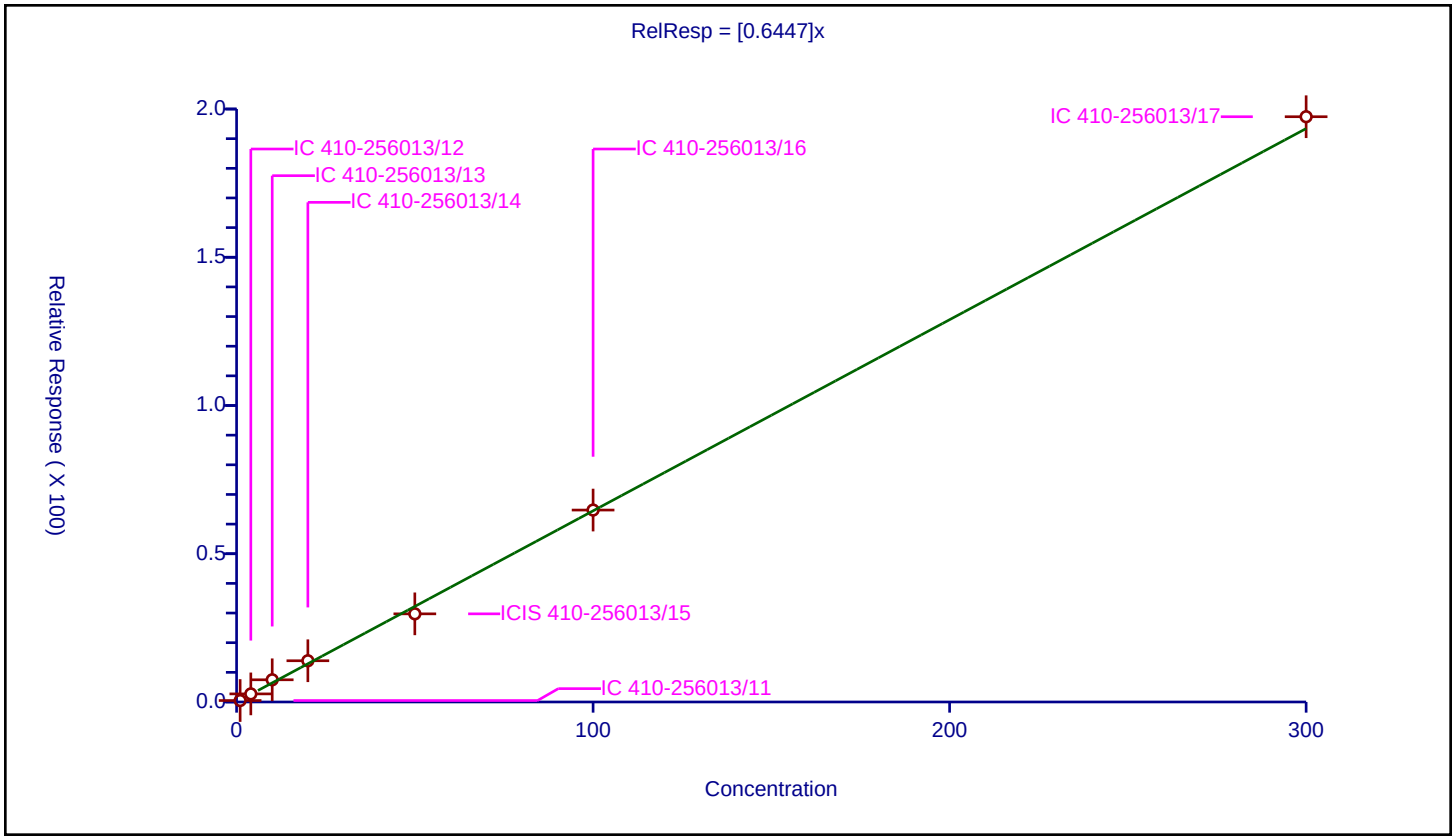
Curve Coefficients

Intercept:	0
Slope:	0.6447

Error Coefficients

Standard Error:	925000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.486309	50.0	466473.0	0.486309	Y
2	IC 410-256013/12	4.0	2.727811	50.0	457638.0	0.681953	Y
3	IC 410-256013/13	10.0	7.489973	50.0	448800.0	0.748997	Y
4	IC 410-256013/14	20.0	13.908142	50.0	469182.0	0.695407	Y
5	ICIS 410-256013/15	50.0	29.734503	50.0	498273.0	0.59469	Y
6	IC 410-256013/16	100.0	64.739913	50.0	510617.0	0.647399	Y
7	IC 410-256013/17	300.0	197.40302	50.0	542534.0	0.65801	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

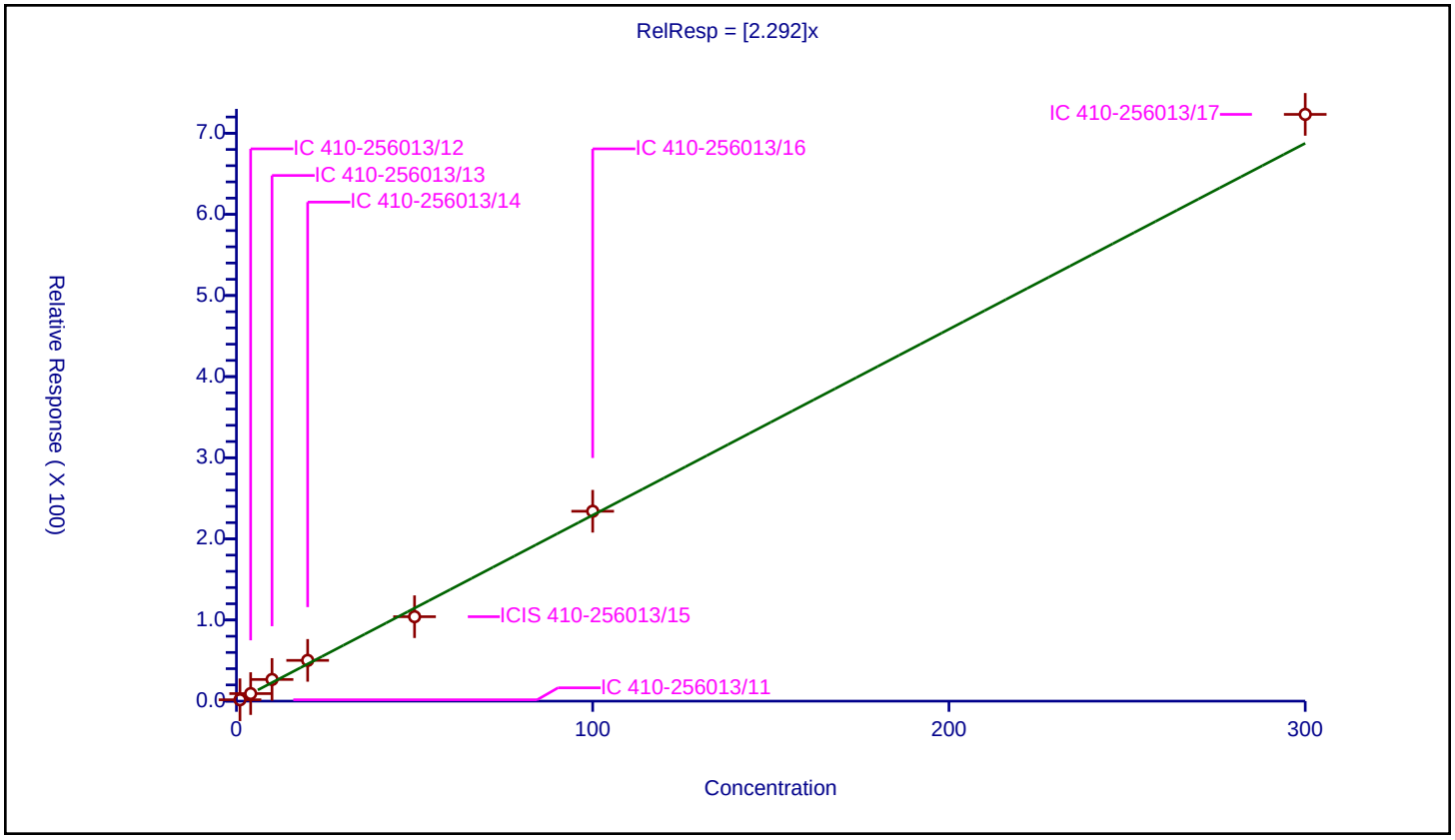
Curve Coefficients

Intercept:	0
Slope:	2.292

Error Coefficients

Standard Error:	3380000
Relative Standard Error:	13.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.700313	50.0	466473.0	1.700313	Y
2	IC 410-256013/12	4.0	9.302549	50.0	457638.0	2.325637	Y
3	IC 410-256013/13	10.0	26.715798	50.0	448800.0	2.67158	Y
4	IC 410-256013/14	20.0	50.256617	50.0	469182.0	2.512831	Y
5	ICIS 410-256013/15	50.0	104.09956	50.0	498273.0	2.081991	Y
6	IC 410-256013/16	100.0	234.052431	50.0	510617.0	2.340524	Y
7	IC 410-256013/17	300.0	723.253197	50.0	542534.0	2.410844	Y



Calibration / 4-Chlorotoluene

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

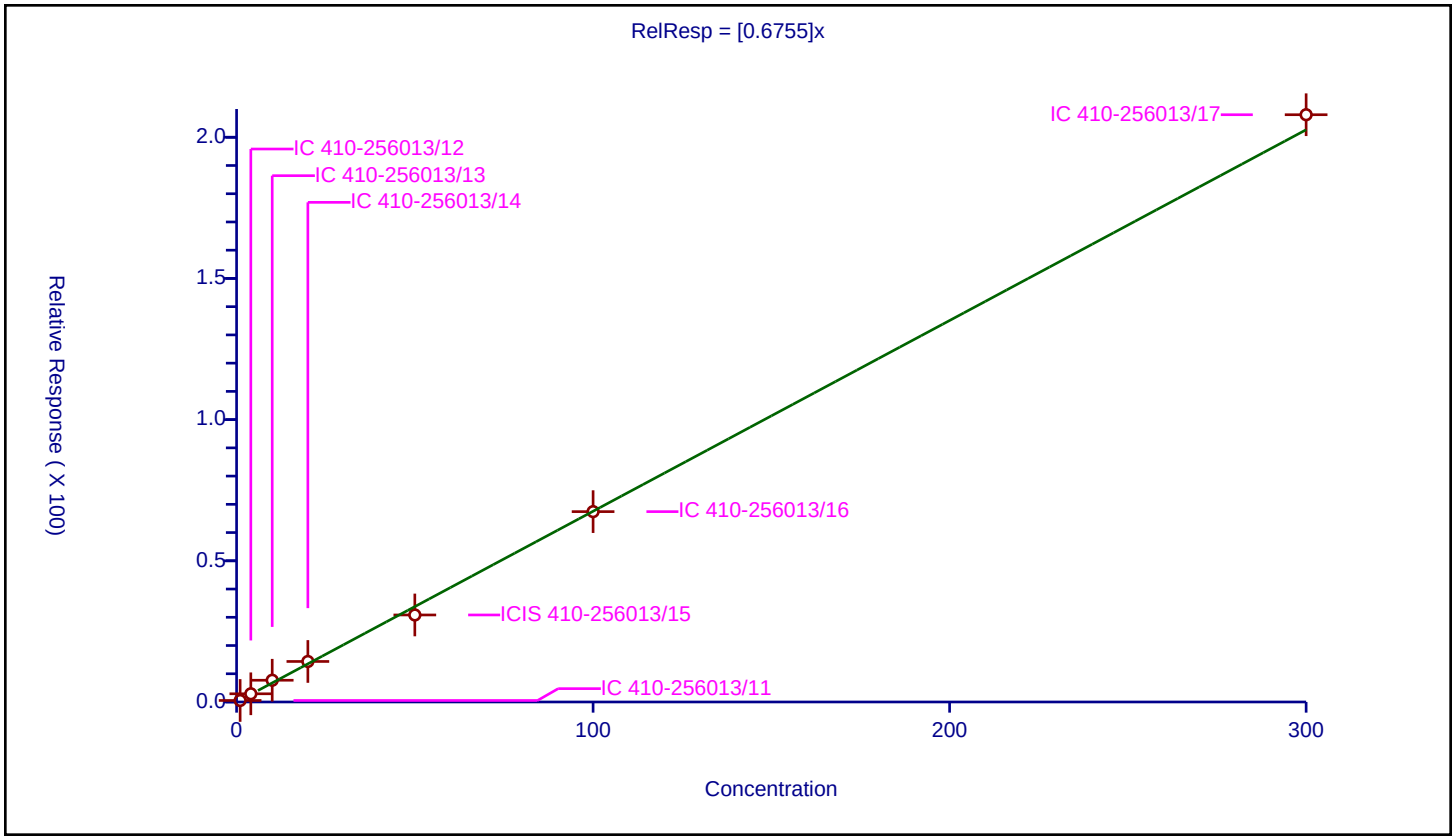
Curve Coefficients

Intercept:	0
Slope:	0.6755

Error Coefficients

Standard Error:	973000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.531435	50.0	466473.0	0.531435	Y
2	IC 410-256013/12	4.0	2.903387	50.0	457638.0	0.725847	Y
3	IC 410-256013/13	10.0	7.700423	50.0	448800.0	0.770042	Y
4	IC 410-256013/14	20.0	14.349336	50.0	469182.0	0.717467	Y
5	ICIS 410-256013/15	50.0	30.818046	50.0	498273.0	0.616361	Y
6	IC 410-256013/16	100.0	67.41217	50.0	510617.0	0.674122	Y
7	IC 410-256013/17	300.0	207.98162	50.0	542534.0	0.693272	Y



Calibration / tert-Butylbenzene

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

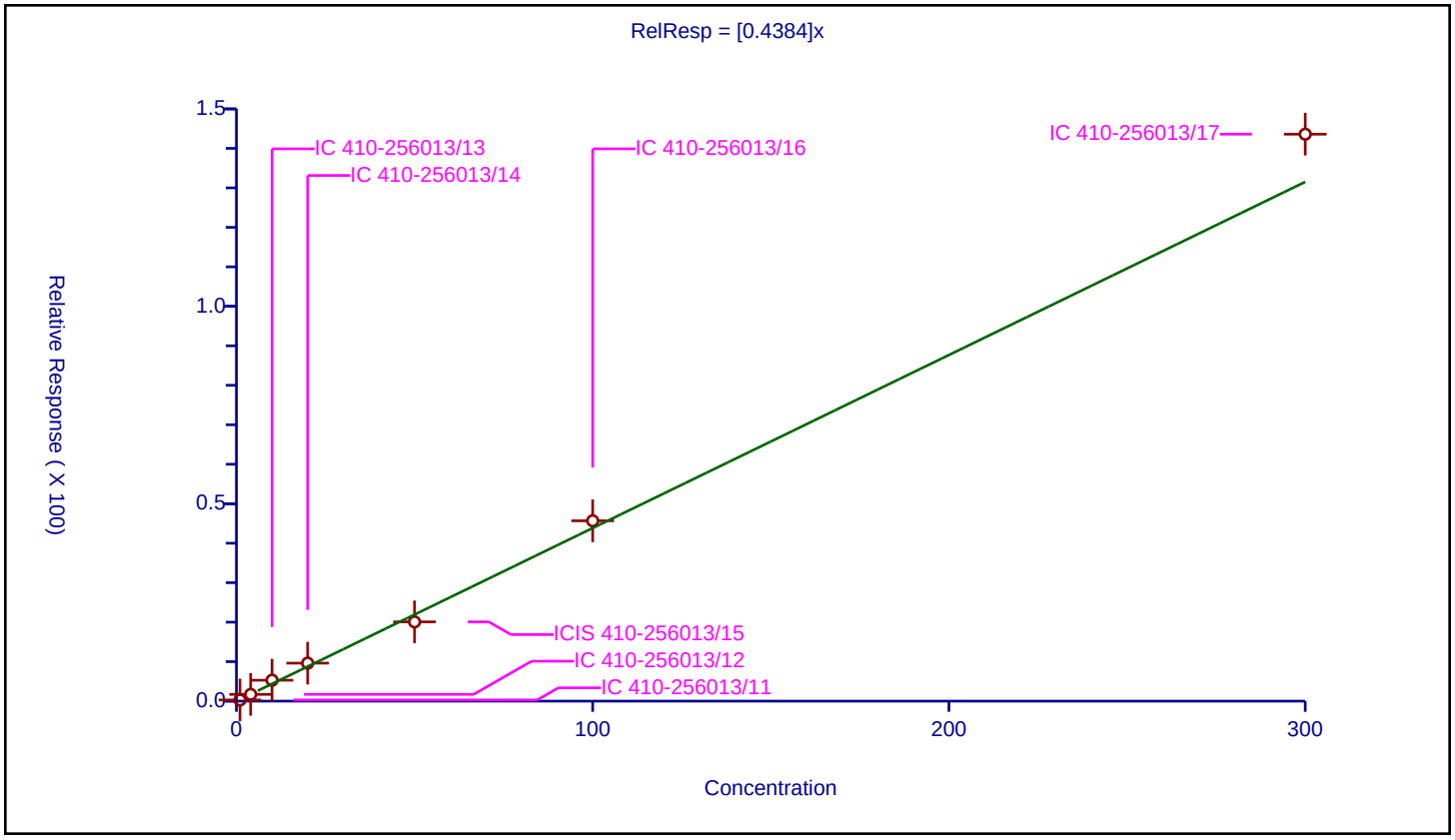
Curve Coefficients

Intercept:	0
Slope:	0.4384

Error Coefficients

Standard Error:	670000
Relative Standard Error:	17.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.293479	50.0	466473.0	0.293479	Y
2	IC 410-256013/12	4.0	1.709539	50.0	457638.0	0.427385	Y
3	IC 410-256013/13	10.0	5.298017	50.0	448800.0	0.529802	Y
4	IC 410-256013/14	20.0	9.620361	50.0	469182.0	0.481018	Y
5	ICIS 410-256013/15	50.0	20.073233	50.0	498273.0	0.401465	Y
6	IC 410-256013/16	100.0	45.675918	50.0	510617.0	0.456759	Y
7	IC 410-256013/17	300.0	143.595056	50.0	542534.0	0.47865	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

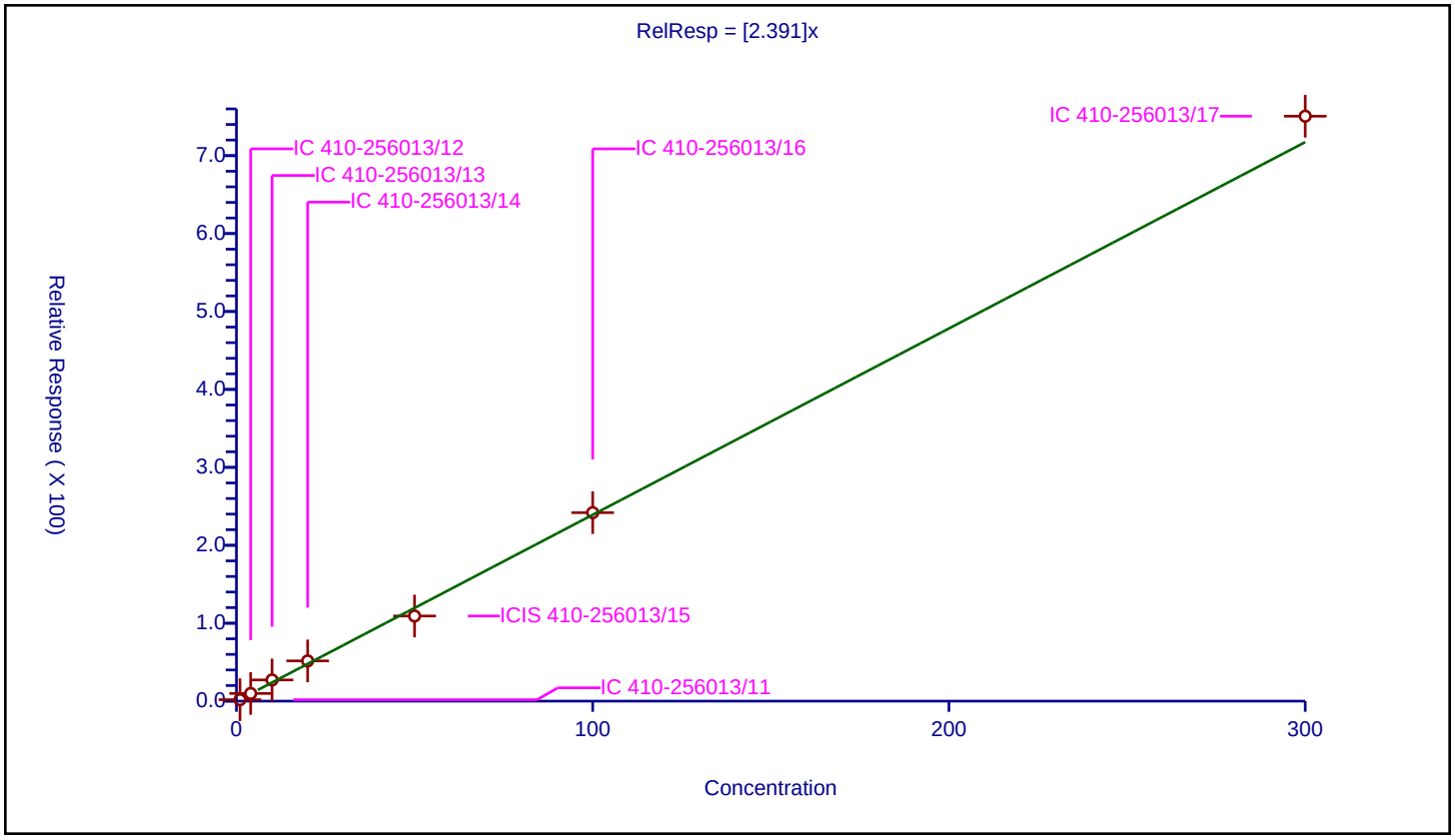
Curve Coefficients

Intercept:	0
Slope:	2.391

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	11.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.867847	50.0	466473.0	1.867847	Y
2	IC 410-256013/12	4.0	9.861834	50.0	457638.0	2.465459	Y
3	IC 410-256013/13	10.0	27.176693	50.0	448800.0	2.717669	Y
4	IC 410-256013/14	20.0	51.627087	50.0	469182.0	2.581354	Y
5	ICIS 410-256013/15	50.0	109.232991	50.0	498273.0	2.18466	Y
6	IC 410-256013/16	100.0	241.89745	50.0	510617.0	2.418974	Y
7	IC 410-256013/17	300.0	750.645582	50.0	542534.0	2.502152	Y



Calibration / sec-Butylbenzene

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

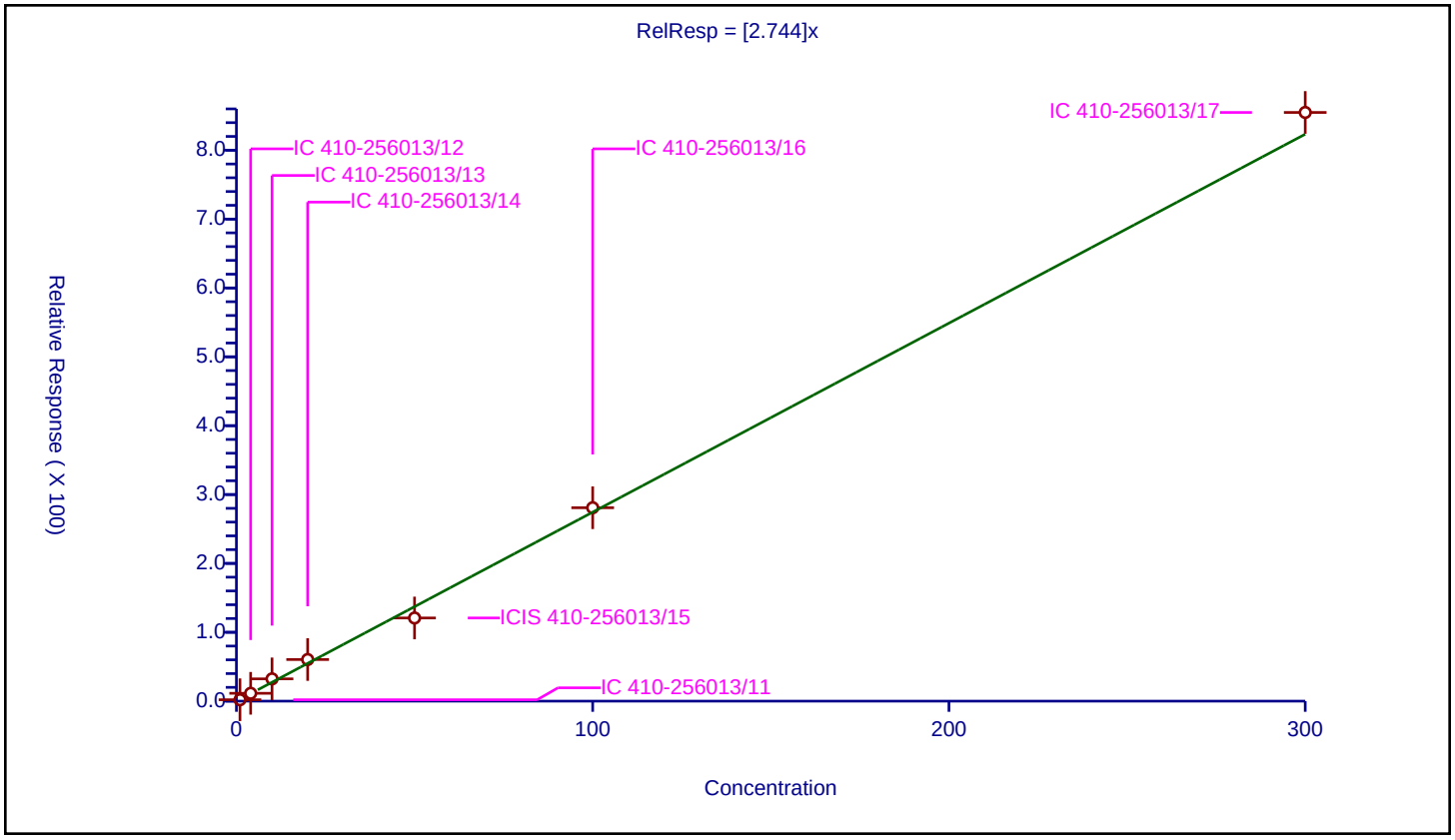
Curve Coefficients

Intercept:	0
Slope:	2.744

Error Coefficients

Standard Error:	4000000
Relative Standard Error:	14.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	2.038489	50.0	466473.0	2.038489	Y
2	IC 410-256013/12	4.0	11.370669	50.0	457638.0	2.842667	Y
3	IC 410-256013/13	10.0	32.340686	50.0	448800.0	3.234069	Y
4	IC 410-256013/14	20.0	60.433371	50.0	469182.0	3.021669	Y
5	ICIS 410-256013/15	50.0	120.757396	50.0	498273.0	2.415148	Y
6	IC 410-256013/16	100.0	280.839161	50.0	510617.0	2.808392	Y
7	IC 410-256013/17	300.0	854.810574	50.0	542534.0	2.849369	Y



Calibration / 1,3-Dichlorobenzene

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

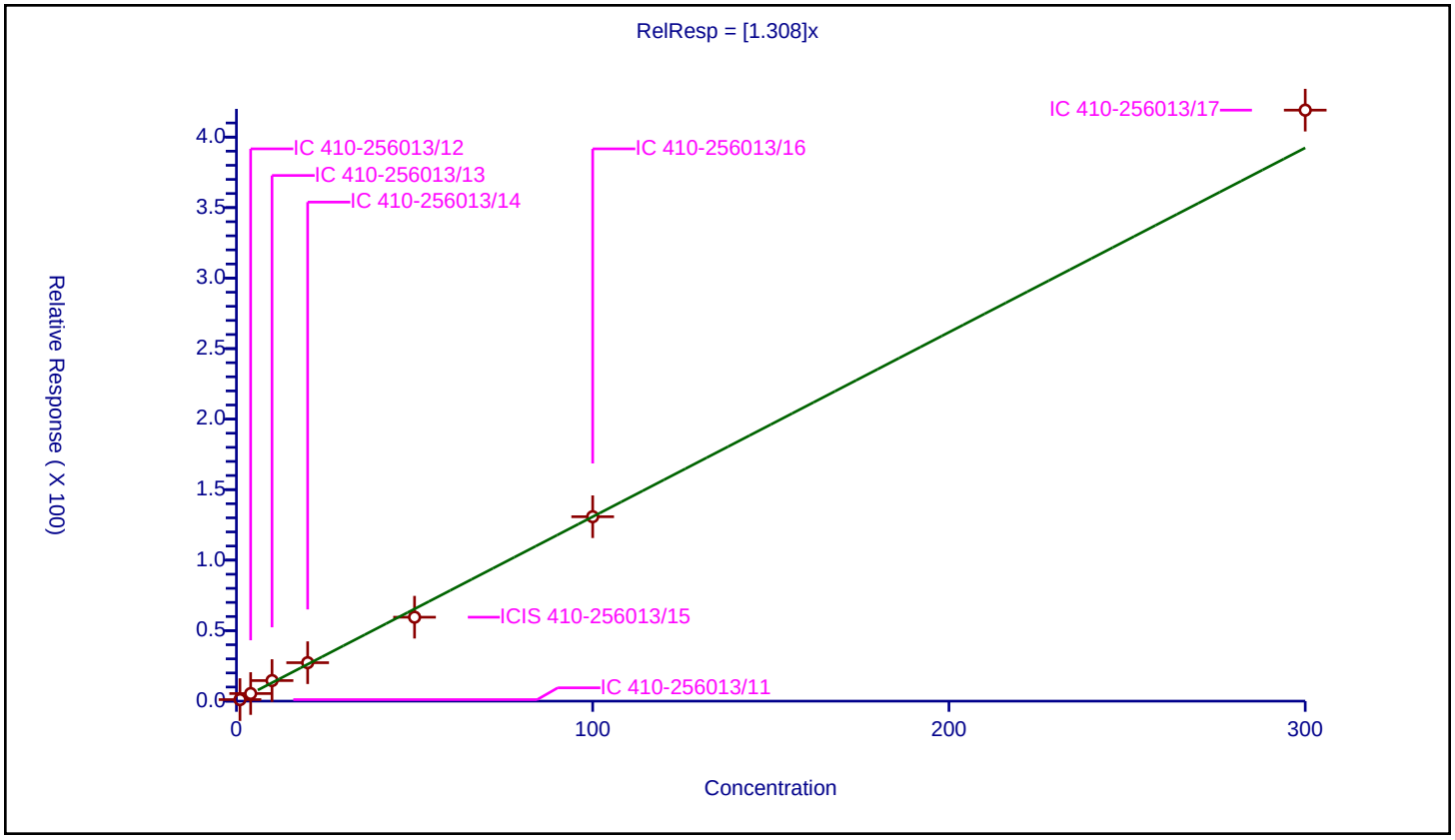
Curve Coefficients

Intercept:	0
Slope:	1.308

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.090631	50.0	466473.0	1.090631	Y
2	IC 410-256013/12	4.0	5.386463	50.0	457638.0	1.346616	Y
3	IC 410-256013/13	10.0	14.589238	50.0	448800.0	1.458924	Y
4	IC 410-256013/14	20.0	27.268523	50.0	469182.0	1.363426	Y
5	ICIS 410-256013/15	50.0	59.530217	50.0	498273.0	1.190604	Y
6	IC 410-256013/16	100.0	130.788242	50.0	510617.0	1.307882	Y
7	IC 410-256013/17	300.0	419.116406	50.0	542534.0	1.397055	Y



Calibration / 4-Isopropyltoluene

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

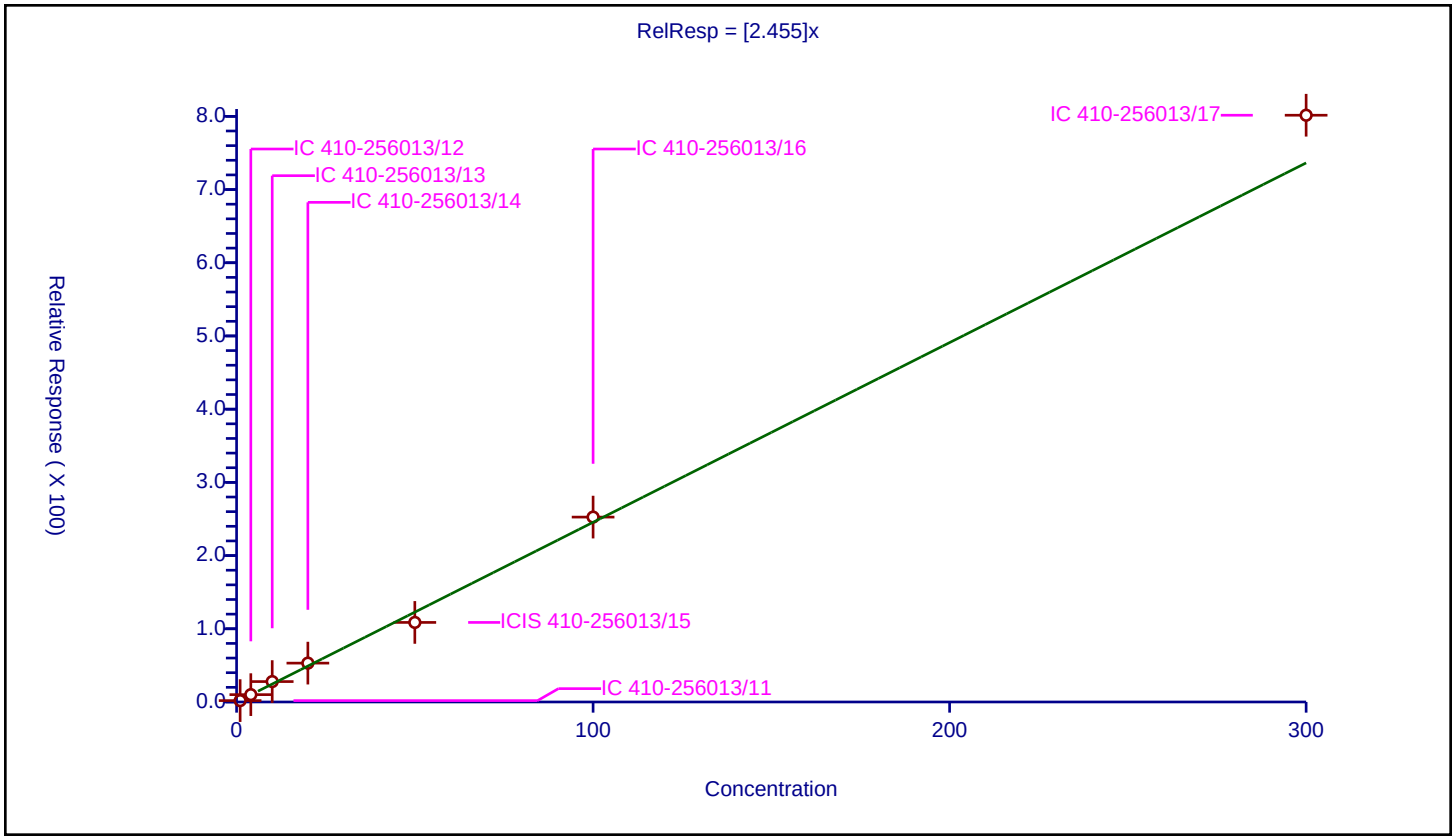
Curve Coefficients

Intercept:	0
Slope:	2.455

Error Coefficients

Standard Error:	3740000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.861094	50.0	466473.0	1.861094	Y
2	IC 410-256013/12	4.0	10.032711	50.0	457638.0	2.508178	Y
3	IC 410-256013/13	10.0	27.882464	50.0	448800.0	2.788246	Y
4	IC 410-256013/14	20.0	53.076844	50.0	469182.0	2.653842	Y
5	ICIS 410-256013/15	50.0	108.693628	50.0	498273.0	2.173873	Y
6	IC 410-256013/16	100.0	252.556907	50.0	510617.0	2.525569	Y
7	IC 410-256013/17	300.0	801.518246	50.0	542534.0	2.671727	Y



Calibration / 1,4-Dichlorobenzene

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

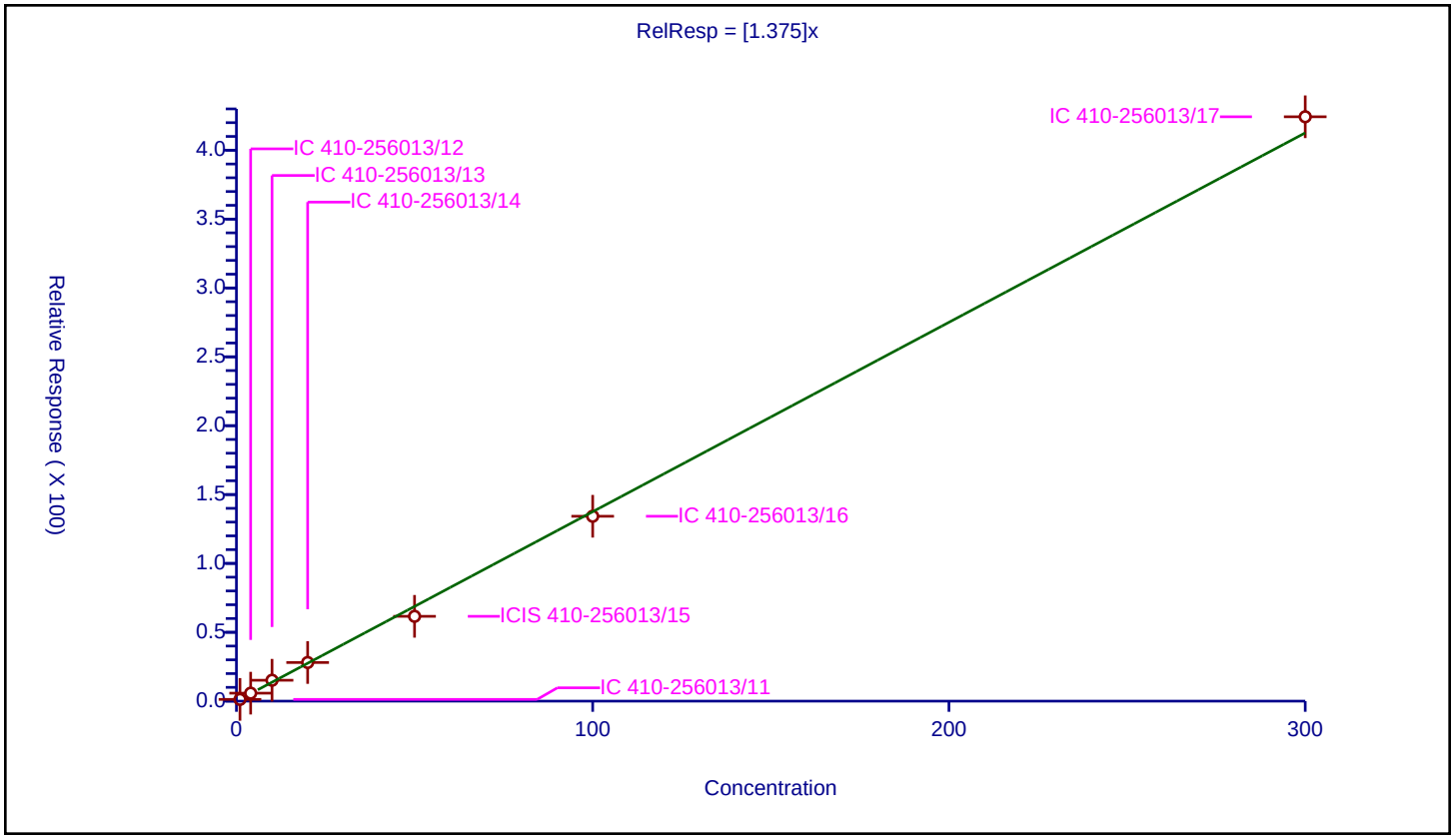
Curve Coefficients

Intercept:	0
Slope:	1.375

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	7.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.272957	50.0	466473.0	1.272957	Y
2	IC 410-256013/12	4.0	5.787325	50.0	457638.0	1.446831	Y
3	IC 410-256013/13	10.0	15.162767	50.0	448800.0	1.516277	Y
4	IC 410-256013/14	20.0	28.052227	50.0	469182.0	1.402611	Y
5	ICIS 410-256013/15	50.0	61.579195	50.0	498273.0	1.231584	Y
6	IC 410-256013/16	100.0	134.230842	50.0	510617.0	1.342308	Y
7	IC 410-256013/17	300.0	424.268617	50.0	542534.0	1.414229	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

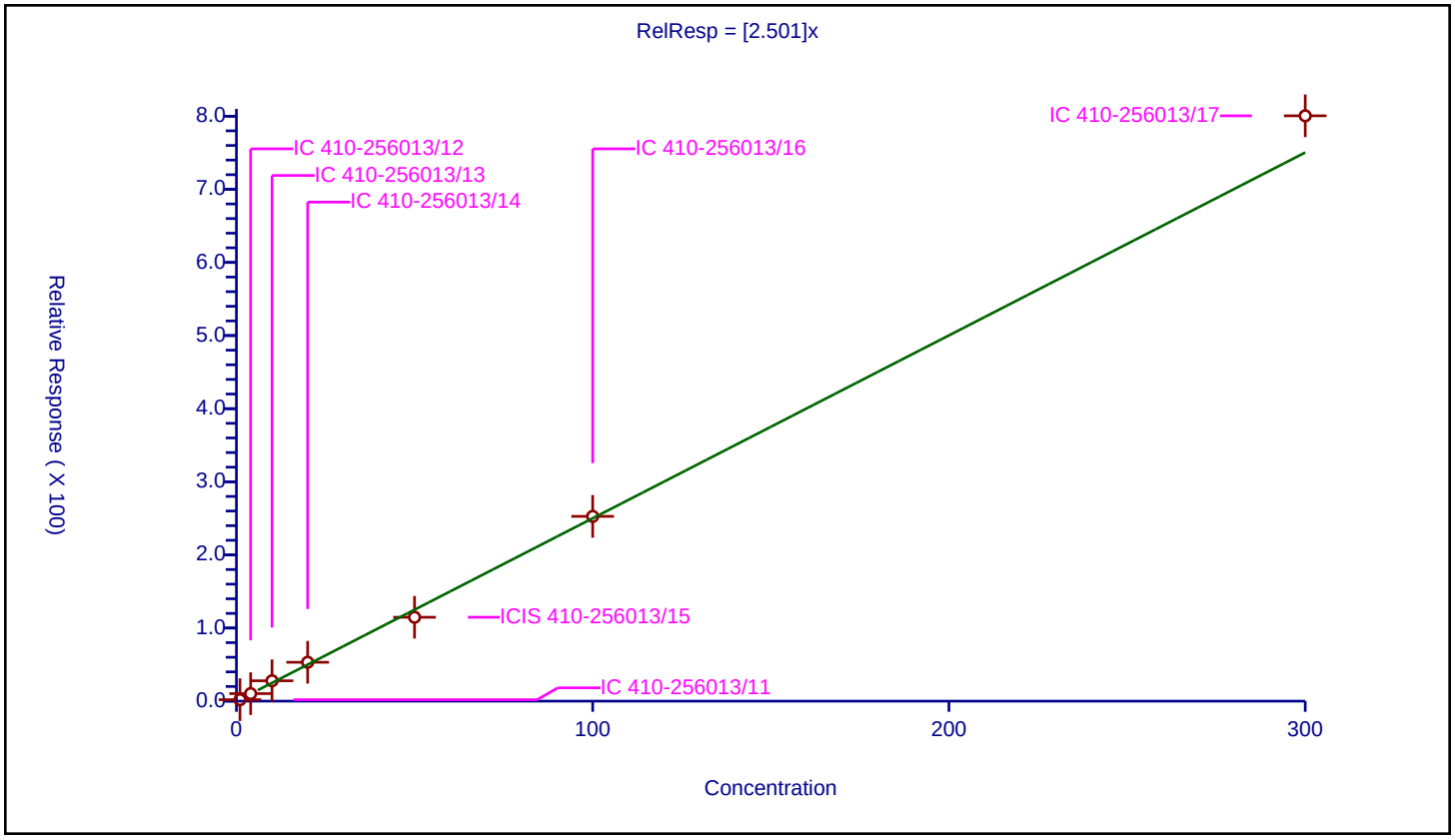
Curve Coefficients

Intercept:	0
Slope:	2.501

Error Coefficients

Standard Error:	3740000
Relative Standard Error:	10.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	2.003117	50.0	466473.0	2.003117	Y
2	IC 410-256013/12	4.0	10.28127	50.0	457638.0	2.570318	Y
3	IC 410-256013/13	10.0	27.864639	50.0	448800.0	2.786464	Y
4	IC 410-256013/14	20.0	53.162099	50.0	469182.0	2.658105	Y
5	ICIS 410-256013/15	50.0	114.717735	50.0	498273.0	2.294355	Y
6	IC 410-256013/16	100.0	252.697913	50.0	510617.0	2.526979	Y
7	IC 410-256013/17	300.0	800.518124	50.0	542534.0	2.668394	Y



Calibration / Benzyl chloride

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

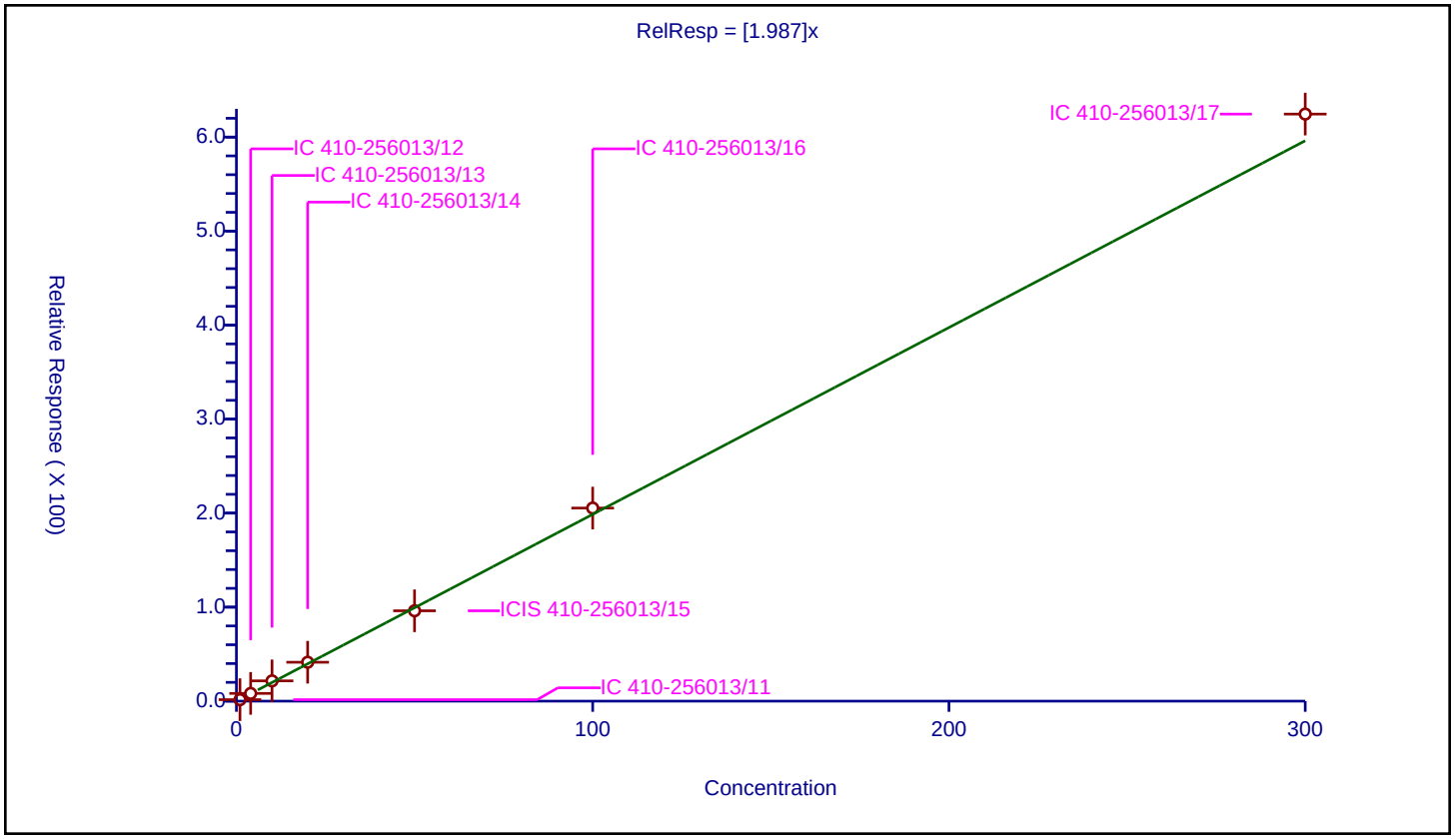
Curve Coefficients

Intercept:	0
Slope:	1.987

Error Coefficients

Standard Error:	2930000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.569759	50.0	466473.0	1.569759	Y
2	IC 410-256013/12	4.0	8.223093	50.0	457638.0	2.055773	Y
3	IC 410-256013/13	10.0	21.569184	50.0	448800.0	2.156918	Y
4	IC 410-256013/14	20.0	41.378292	50.0	469182.0	2.068915	Y
5	ICIS 410-256013/15	50.0	96.121604	50.0	498273.0	1.922432	Y
6	IC 410-256013/16	100.0	205.379962	50.0	510617.0	2.0538	Y
7	IC 410-256013/17	300.0	624.479572	50.0	542534.0	2.081599	Y



Calibration / 1,3-Diethylbenzene

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

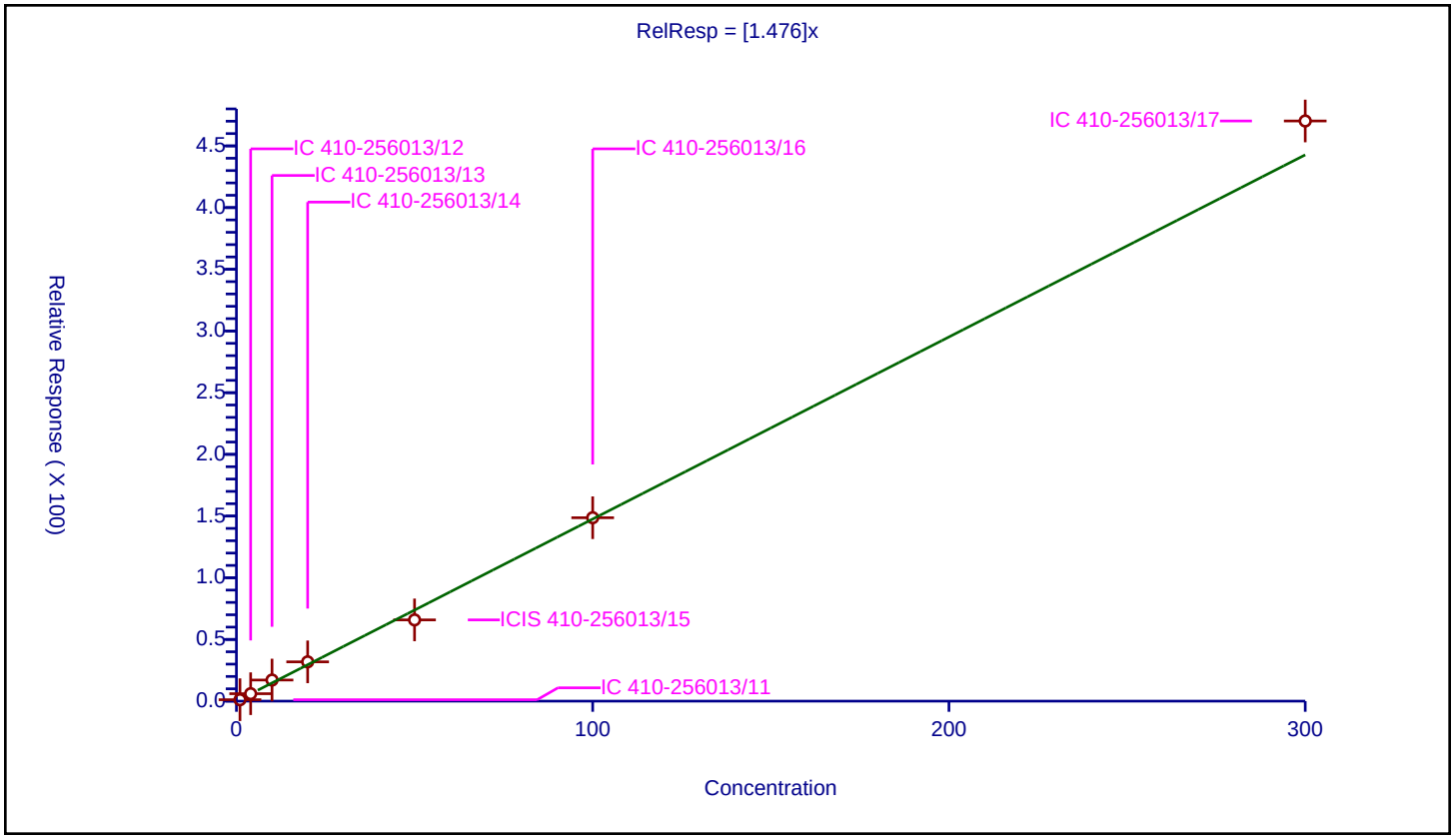
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	12.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.147119	50.0	466473.0	1.147119	Y
2	IC 410-256013/12	4.0	6.035556	50.0	457638.0	1.508889	Y
3	IC 410-256013/13	10.0	17.109626	50.0	448800.0	1.710963	Y
4	IC 410-256013/14	20.0	31.853524	50.0	469182.0	1.592676	Y
5	ICIS 410-256013/15	50.0	65.851752	50.0	498273.0	1.317035	Y
6	IC 410-256013/16	100.0	148.663284	50.0	510617.0	1.486633	Y
7	IC 410-256013/17	300.0	470.209333	50.0	542534.0	1.567364	Y



Calibration / p-Diethylbenzene

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

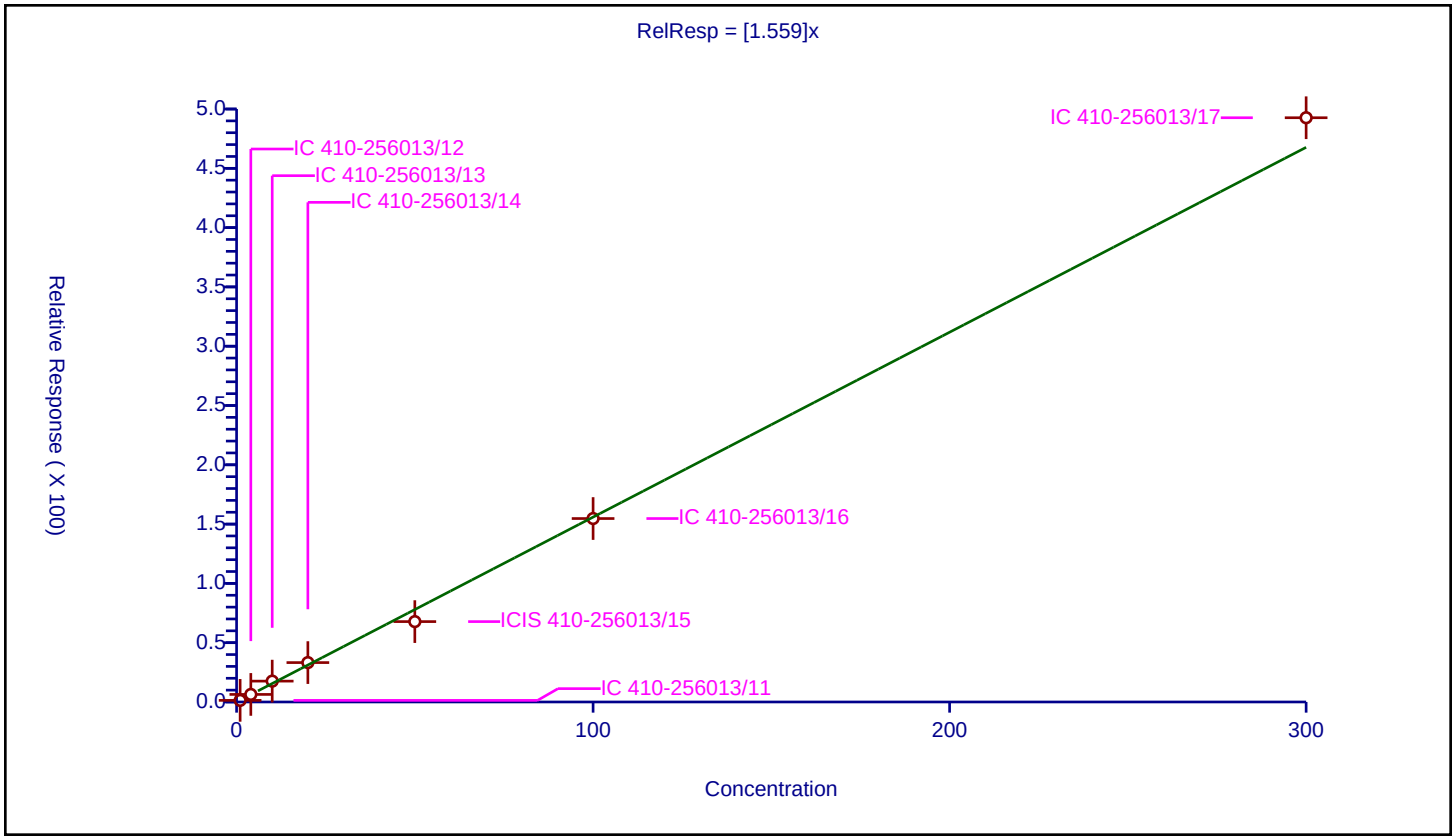
Curve Coefficients

Intercept:	0
Slope:	1.559

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	9.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.352275	50.0	466473.0	1.352275	Y
2	IC 410-256013/12	4.0	6.382993	50.0	457638.0	1.595748	Y
3	IC 410-256013/13	10.0	17.589795	50.0	448800.0	1.75898	Y
4	IC 410-256013/14	20.0	33.218133	50.0	469182.0	1.660907	Y
5	ICIS 410-256013/15	50.0	67.791151	50.0	498273.0	1.355823	Y
6	IC 410-256013/16	100.0	154.682081	50.0	510617.0	1.546821	Y
7	IC 410-256013/17	300.0	492.648479	50.0	542534.0	1.642162	Y



Calibration / n-Butylbenzene

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

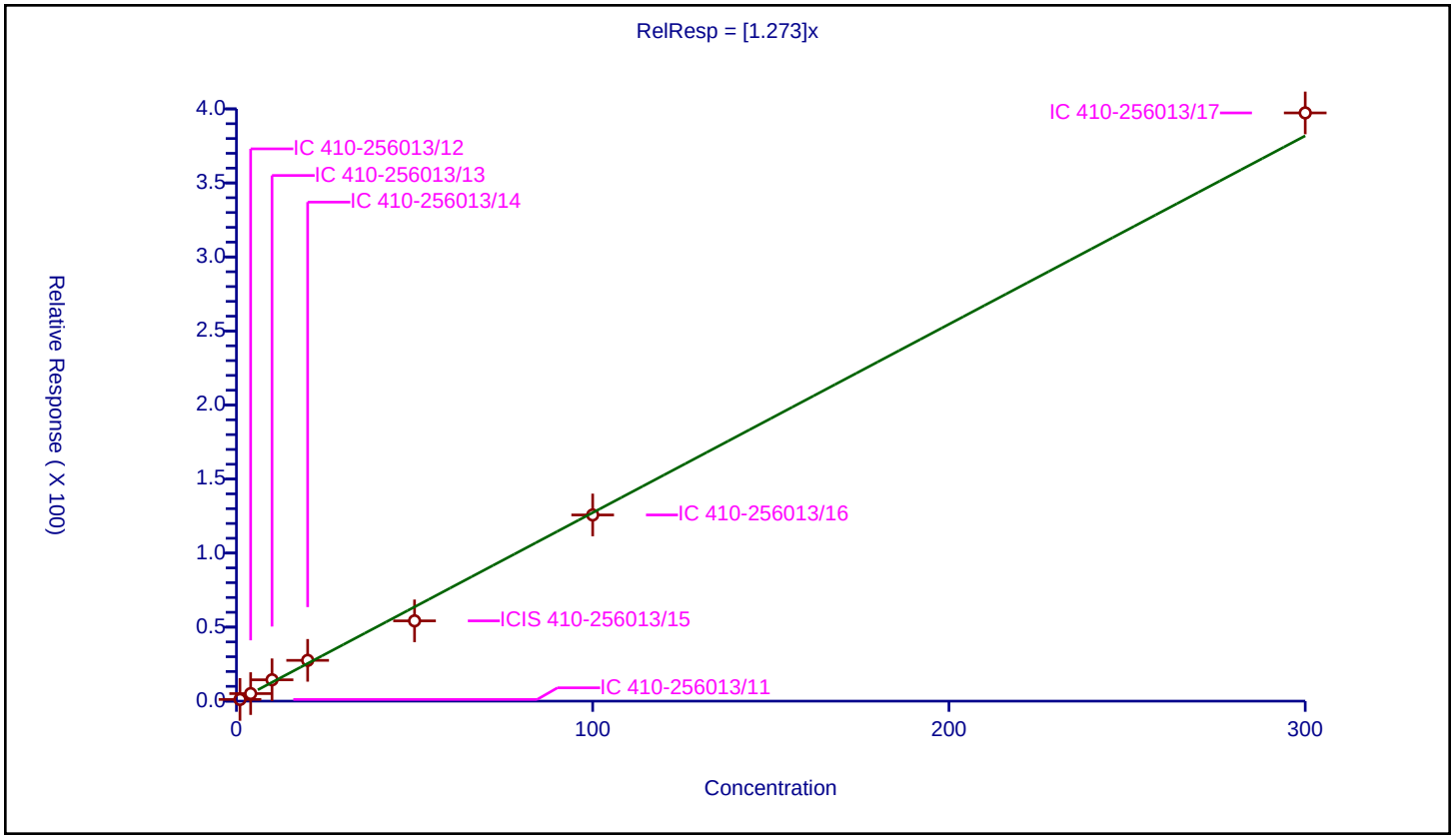
Curve Coefficients

Intercept:	0
Slope:	1.273

Error Coefficients

Standard Error:	1850000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.148941	50.0	466473.0	1.148941	Y
2	IC 410-256013/12	4.0	5.098244	50.0	457638.0	1.274561	Y
3	IC 410-256013/13	10.0	14.421569	50.0	448800.0	1.442157	Y
4	IC 410-256013/14	20.0	27.540912	50.0	469182.0	1.377046	Y
5	ICIS 410-256013/15	50.0	54.234225	50.0	498273.0	1.084685	Y
6	IC 410-256013/16	100.0	125.74317	50.0	510617.0	1.257432	Y
7	IC 410-256013/17	300.0	397.289571	50.0	542534.0	1.324299	Y



Calibration / 1,2-Dichlorobenzene

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

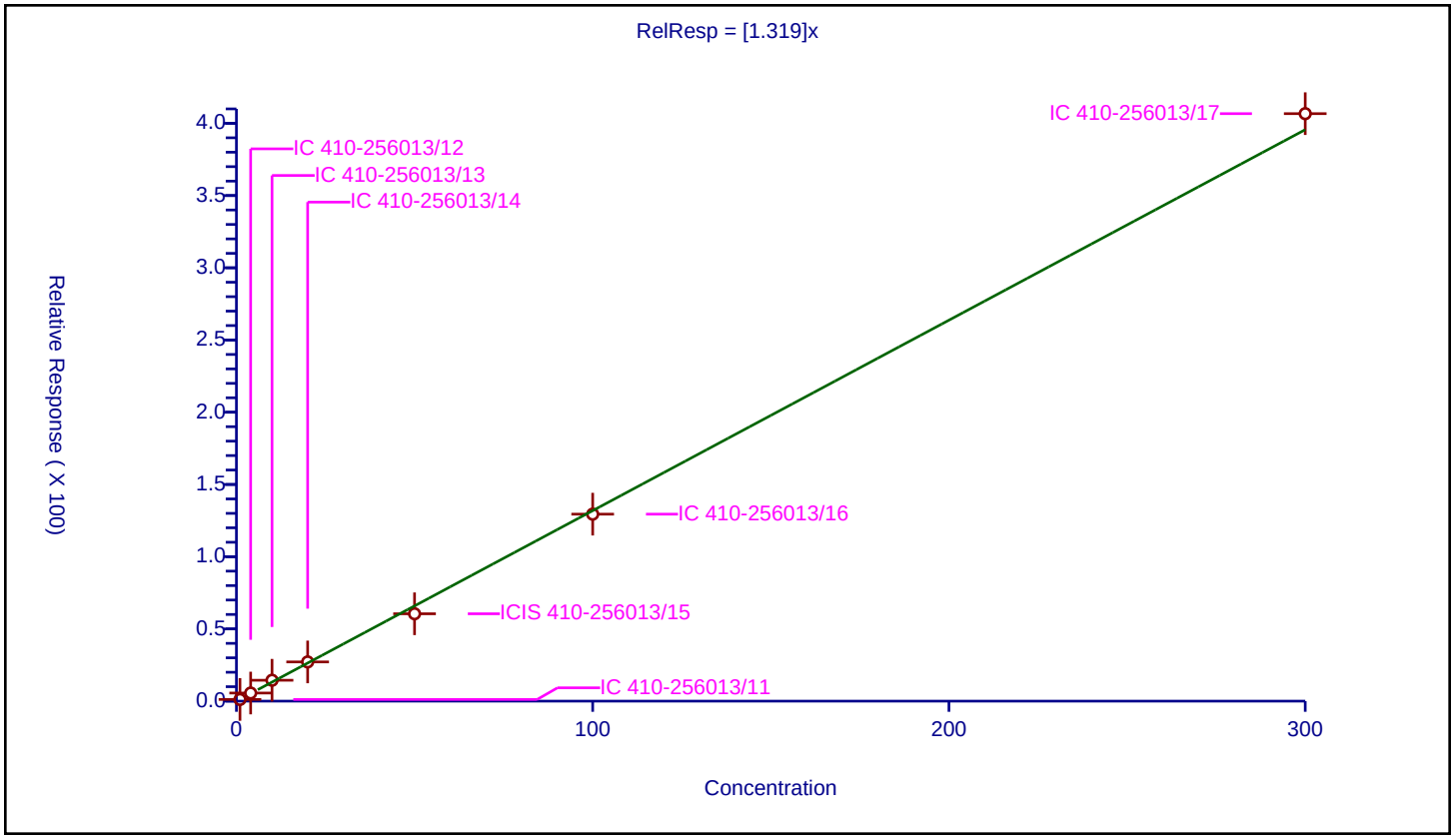
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.164055	50.0	466473.0	1.164055	Y
2	IC 410-256013/12	4.0	5.61317	50.0	457638.0	1.403293	Y
3	IC 410-256013/13	10.0	14.458333	50.0	448800.0	1.445833	Y
4	IC 410-256013/14	20.0	27.152363	50.0	469182.0	1.357618	Y
5	ICIS 410-256013/15	50.0	60.480199	50.0	498273.0	1.209604	Y
6	IC 410-256013/16	100.0	129.450351	50.0	510617.0	1.294504	Y
7	IC 410-256013/17	300.0	406.704833	50.0	542534.0	1.355683	Y



Calibration / o-diethylbenzene

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

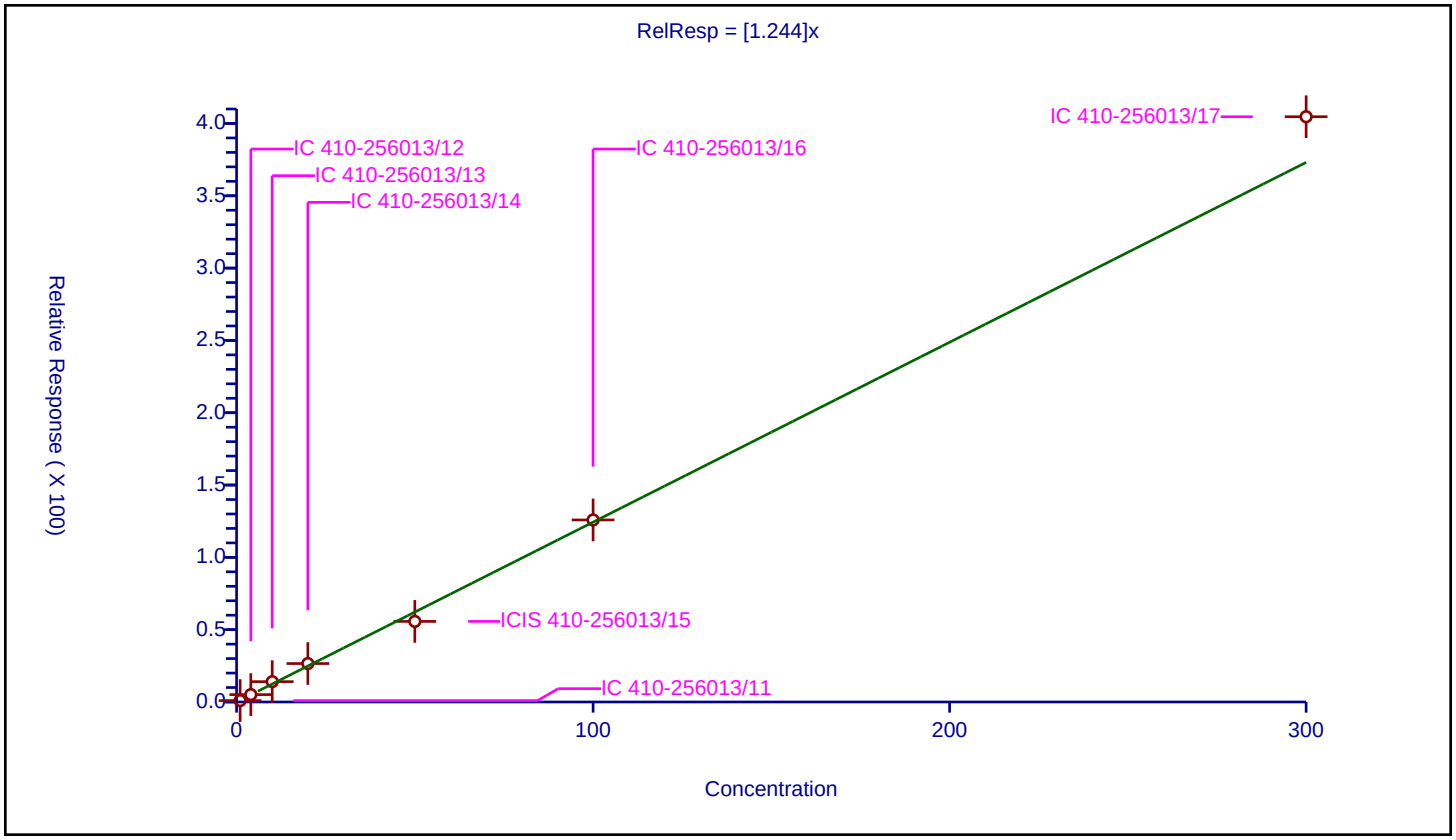
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	12.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.973368	50.0	466473.0	0.973368	Y
2	IC 410-256013/12	4.0	5.099008	50.0	457638.0	1.274752	Y
3	IC 410-256013/13	10.0	14.064505	50.0	448800.0	1.406451	Y
4	IC 410-256013/14	20.0	26.581902	50.0	469182.0	1.329095	Y
5	ICIS 410-256013/15	50.0	55.710624	50.0	498273.0	1.114212	Y
6	IC 410-256013/16	100.0	125.859891	50.0	510617.0	1.258599	Y
7	IC 410-256013/17	300.0	404.673348	50.0	542534.0	1.348911	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

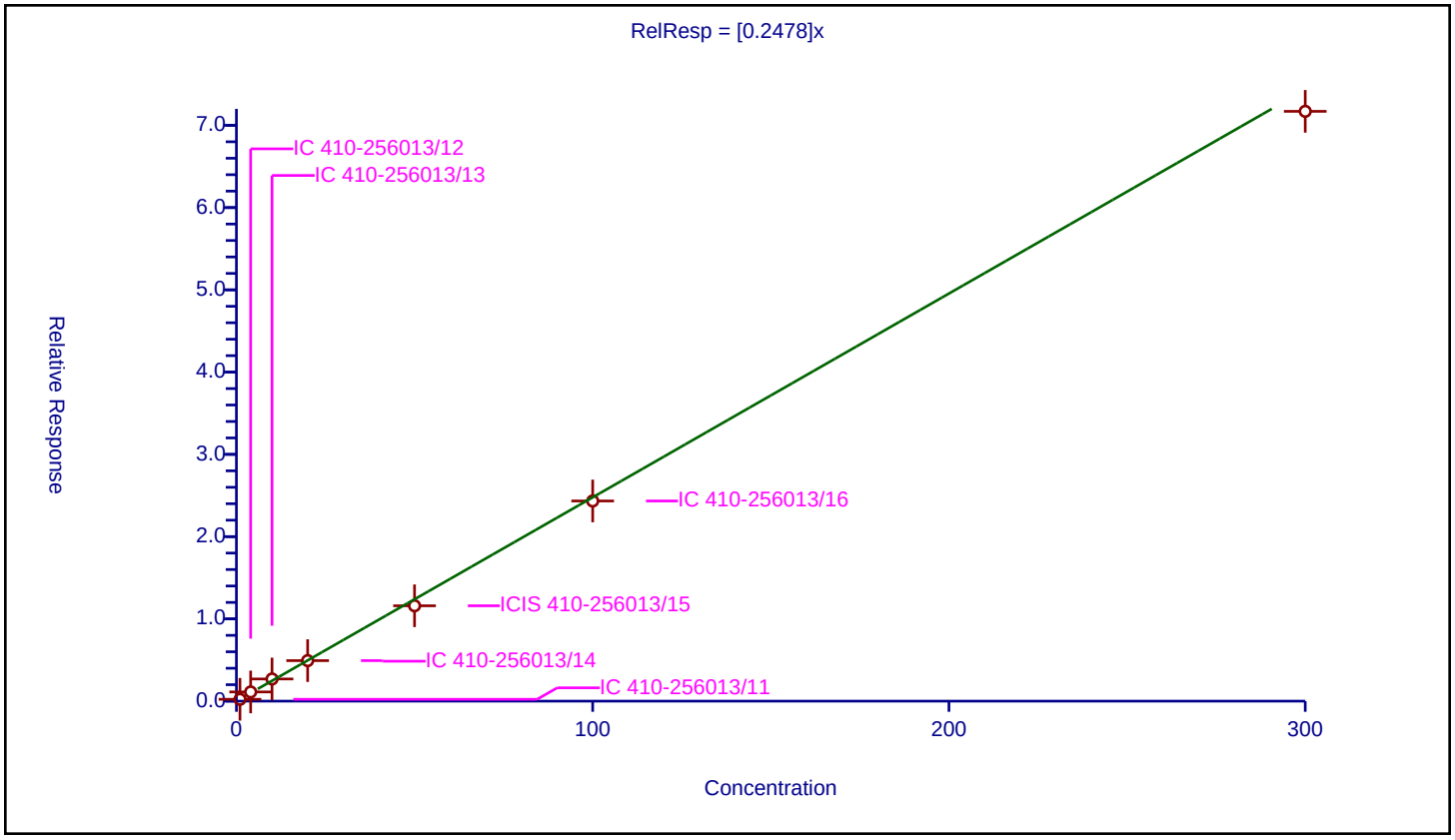
Curve Coefficients

Intercept:	0
Slope:	0.2478

Error Coefficients

Standard Error:	337000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	0.224557	50.0	466473.0	0.224557	Y
2	IC 410-256013/12	4.0	1.119334	50.0	457638.0	0.279834	Y
3	IC 410-256013/13	10.0	2.693962	50.0	448800.0	0.269396	Y
4	IC 410-256013/14	20.0	4.9257	50.0	469182.0	0.246285	Y
5	ICIS 410-256013/15	50.0	11.593243	50.0	498273.0	0.231865	Y
6	IC 410-256013/16	100.0	24.333111	50.0	510617.0	0.243331	Y
7	IC 410-256013/17	300.0	71.702419	50.0	542534.0	0.239008	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

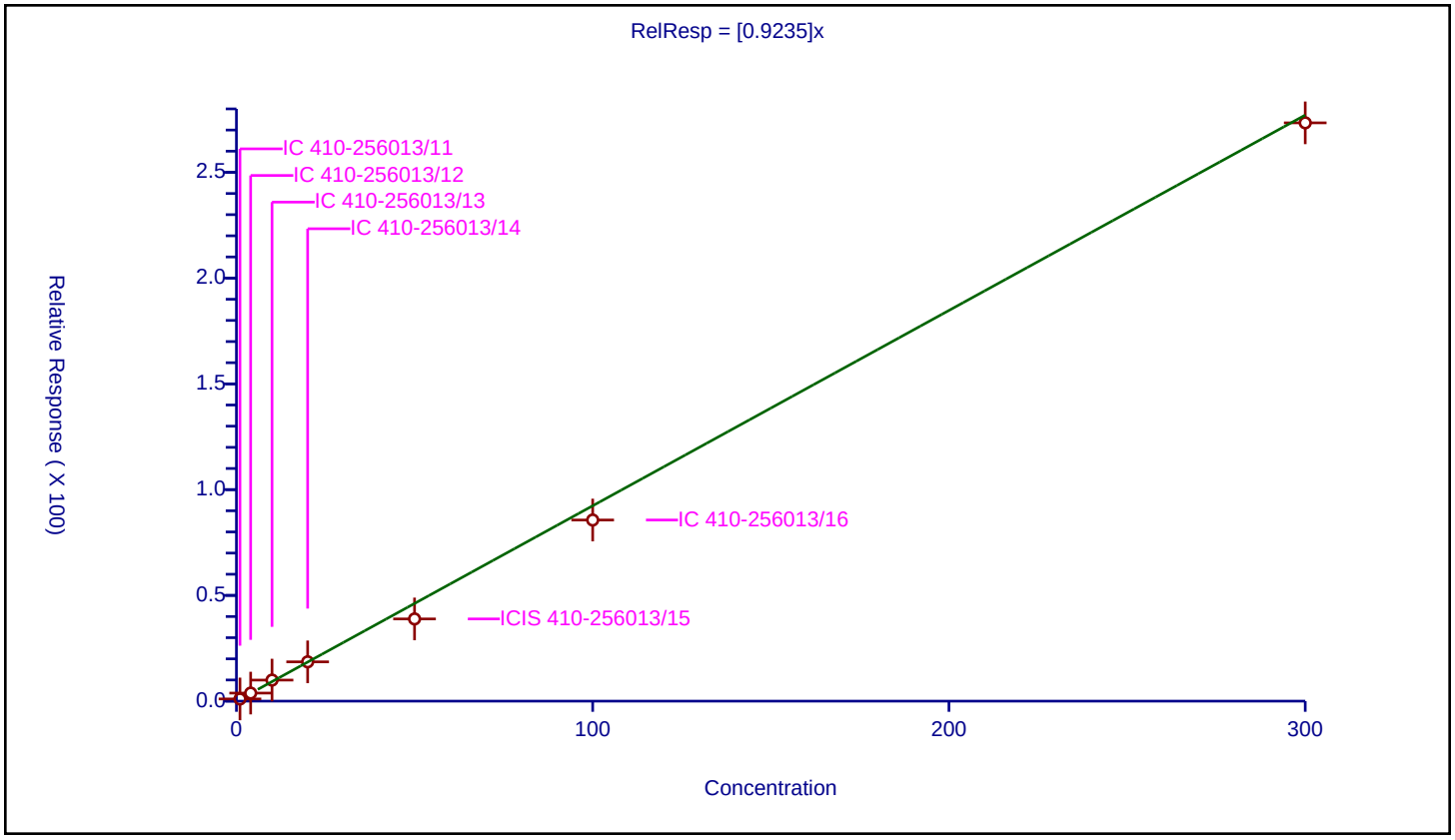
Curve Coefficients

Intercept:	0
Slope:	0.9235

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.042611	50.0	466473.0	1.042611	Y
2	IC 410-256013/12	4.0	3.808469	50.0	457638.0	0.952117	Y
3	IC 410-256013/13	10.0	9.958668	50.0	448800.0	0.995867	Y
4	IC 410-256013/14	20.0	18.581275	50.0	469182.0	0.929064	Y
5	ICIS 410-256013/15	50.0	38.87076	50.0	498273.0	0.777415	Y
6	IC 410-256013/16	100.0	85.63718	50.0	510617.0	0.856372	Y
7	IC 410-256013/17	300.0	273.399455	50.0	542534.0	0.911332	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

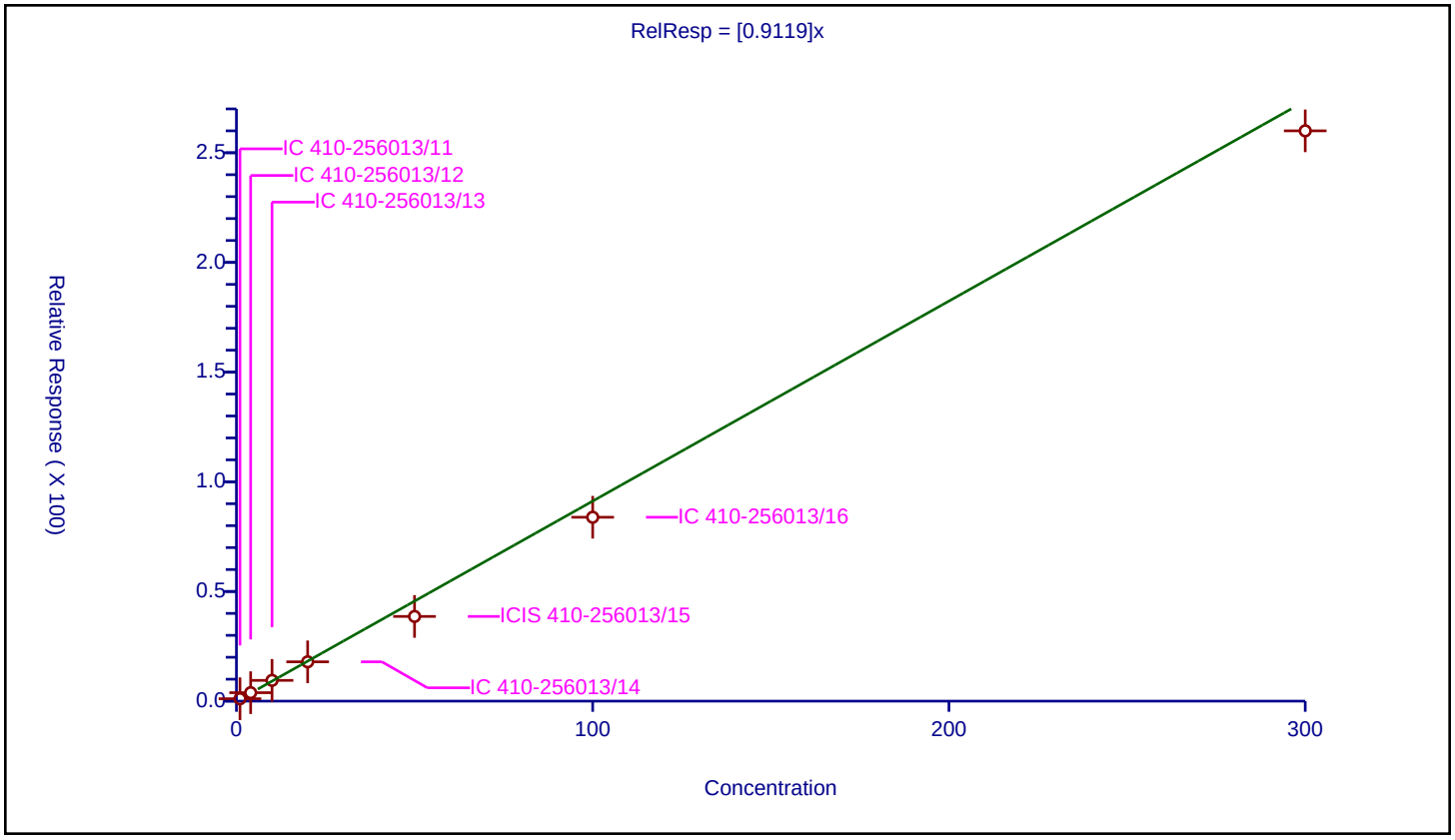
Curve Coefficients

Intercept:	0
Slope:	0.9119

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.097384	50.0	466473.0	1.097384	Y
2	IC 410-256013/12	4.0	3.860038	50.0	457638.0	0.965009	Y
3	IC 410-256013/13	10.0	9.468694	50.0	448800.0	0.946869	Y
4	IC 410-256013/14	20.0	17.933659	50.0	469182.0	0.896683	Y
5	ICIS 410-256013/15	50.0	38.617384	50.0	498273.0	0.772348	Y
6	IC 410-256013/16	100.0	83.839551	50.0	510617.0	0.838396	Y
7	IC 410-256013/17	300.0	260.000018	50.0	542534.0	0.866667	Y



Calibration / Hexachlorobutadiene

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

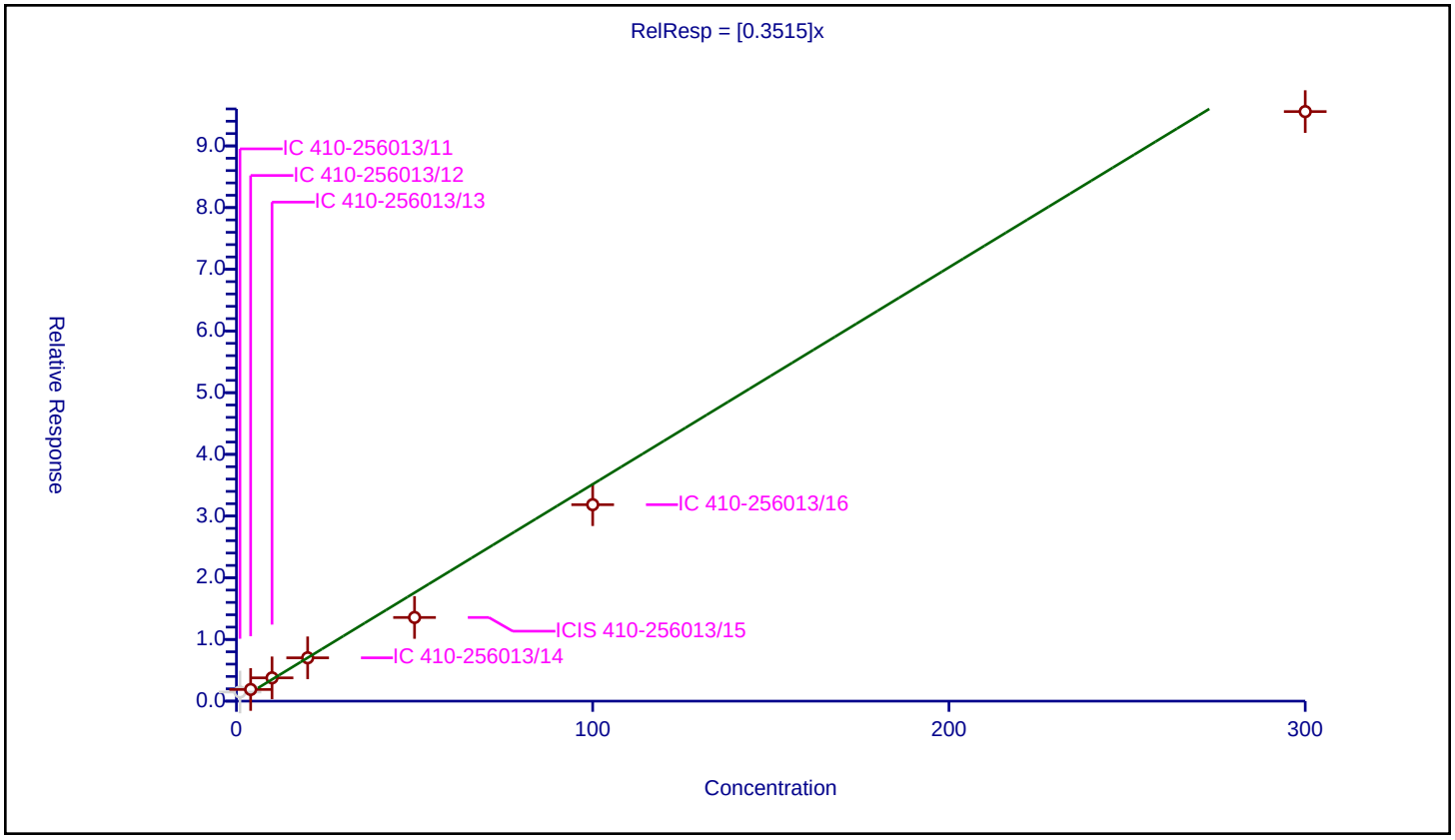
Curve Coefficients

Intercept:	0
Slope:	0.3515

Error Coefficients

Standard Error:	491000
Relative Standard Error:	19.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.926

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.480579	50.0	466473.0	1.480579	N
2	IC 410-256013/12	4.0	1.889266	50.0	457638.0	0.472317	Y
3	IC 410-256013/13	10.0	3.77529	50.0	448800.0	0.377529	Y
4	IC 410-256013/14	20.0	7.023074	50.0	469182.0	0.351154	Y
5	ICIS 410-256013/15	50.0	13.561341	50.0	498273.0	0.271227	Y
6	IC 410-256013/16	100.0	31.84608	50.0	510617.0	0.318461	Y
7	IC 410-256013/17	300.0	95.563135	50.0	542534.0	0.318544	Y



Calibration / Naphthalene

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

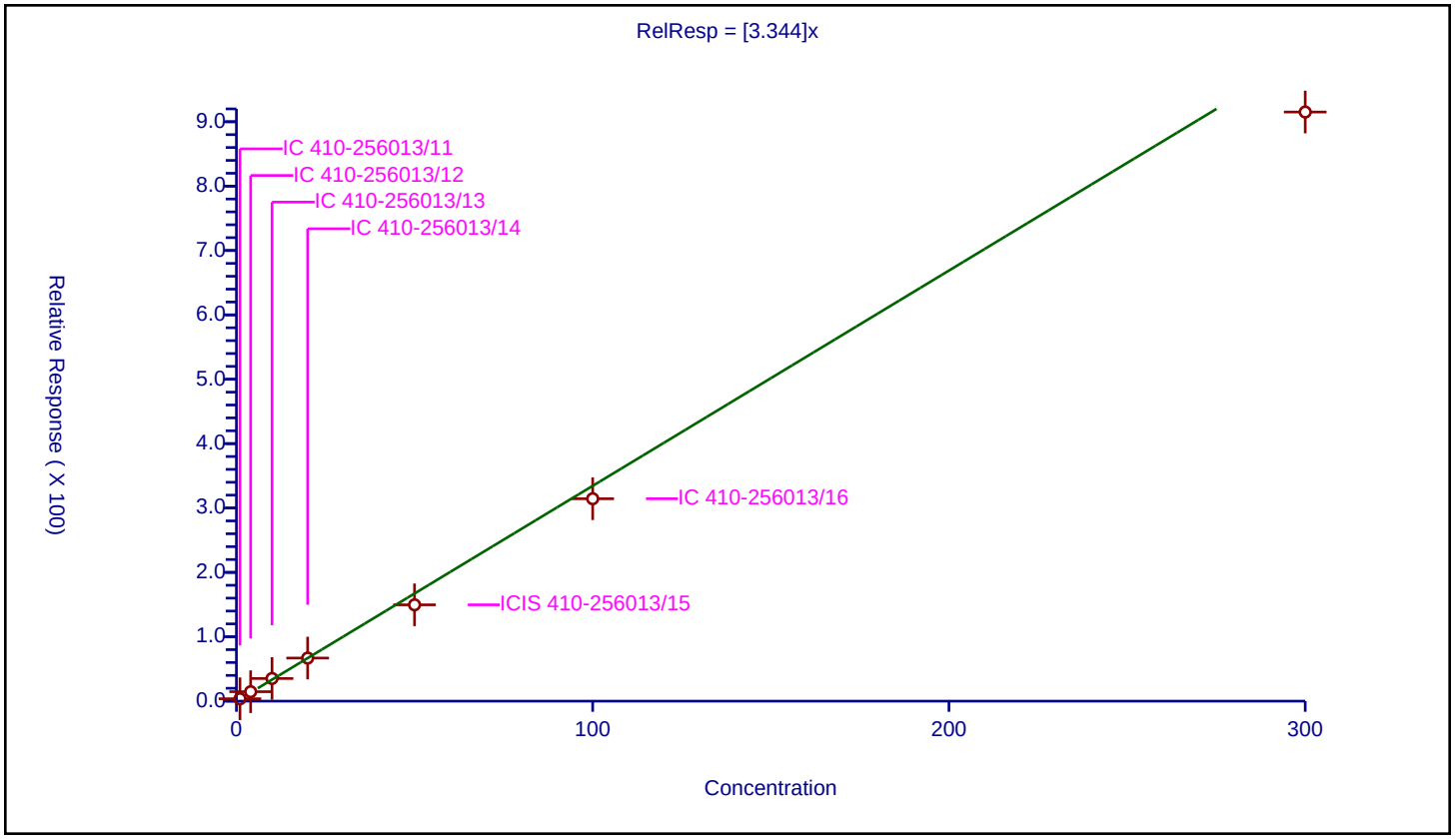
Curve Coefficients

Intercept:	0
Slope:	3.344

Error Coefficients

Standard Error:	4310000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	3.693461	50.0	466473.0	3.693461	Y
2	IC 410-256013/12	4.0	14.65405	50.0	457638.0	3.663512	Y
3	IC 410-256013/13	10.0	35.200646	50.0	448800.0	3.520065	Y
4	IC 410-256013/14	20.0	66.90165	50.0	469182.0	3.345083	Y
5	ICIS 410-256013/15	50.0	149.647482	50.0	498273.0	2.99295	Y
6	IC 410-256013/16	100.0	314.411486	50.0	510617.0	3.144115	Y
7	IC 410-256013/17	300.0	915.111495	50.0	542534.0	3.050372	Y



Calibration / 1,2,3-Trichlorobenzene

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

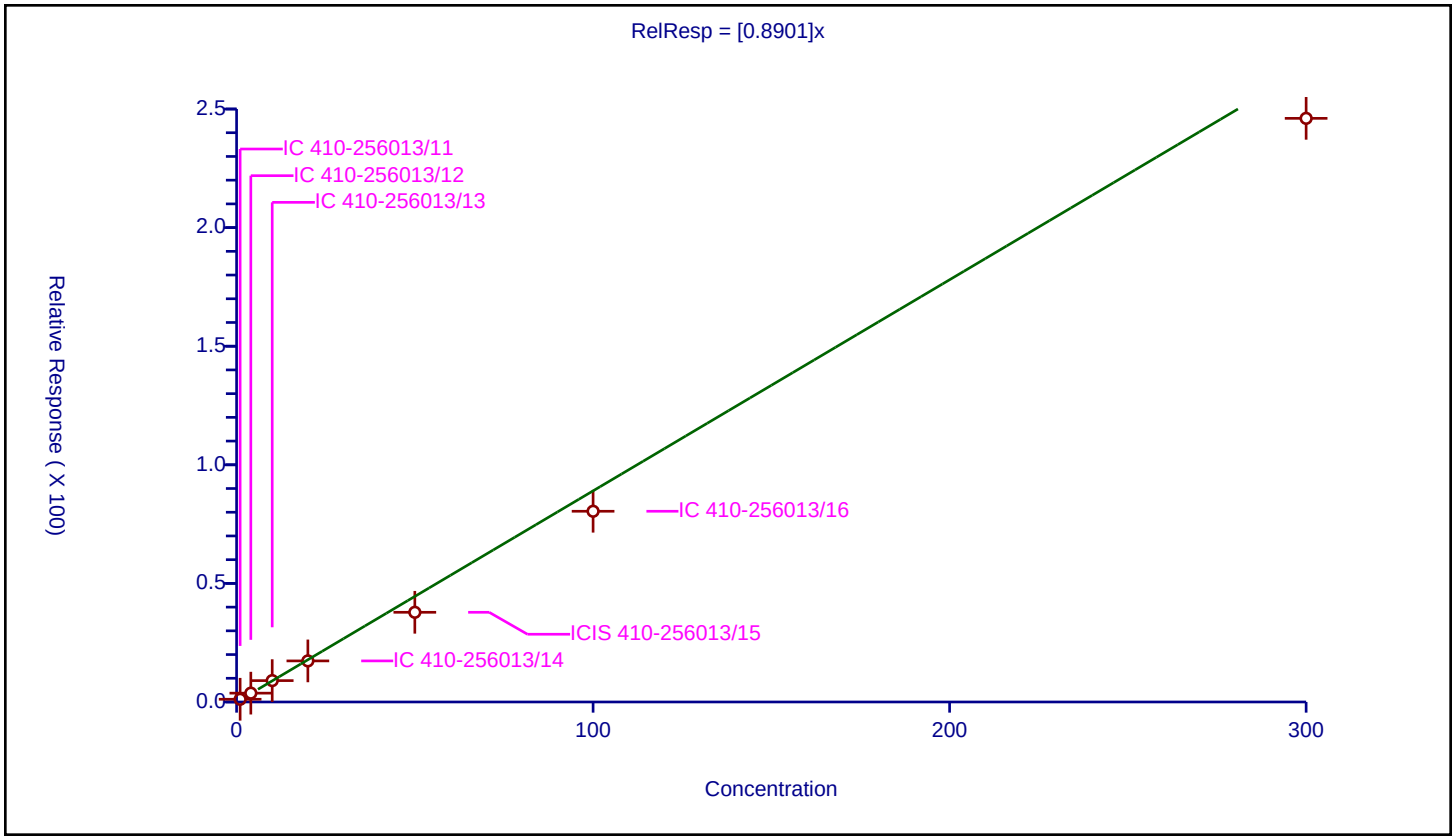
Curve Coefficients

Intercept:	0
Slope:	0.8901

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	1.149799	50.0	466473.0	1.149799	Y
2	IC 410-256013/12	4.0	3.731661	50.0	457638.0	0.932915	Y
3	IC 410-256013/13	10.0	9.01426	50.0	448800.0	0.901426	Y
4	IC 410-256013/14	20.0	17.315349	50.0	469182.0	0.865767	Y
5	ICIS 410-256013/15	50.0	37.811501	50.0	498273.0	0.75623	Y
6	IC 410-256013/16	100.0	80.411835	50.0	510617.0	0.804118	Y
7	IC 410-256013/17	300.0	246.06292	50.0	542534.0	0.82021	Y



Calibration / 2-Methylnaphthalene

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

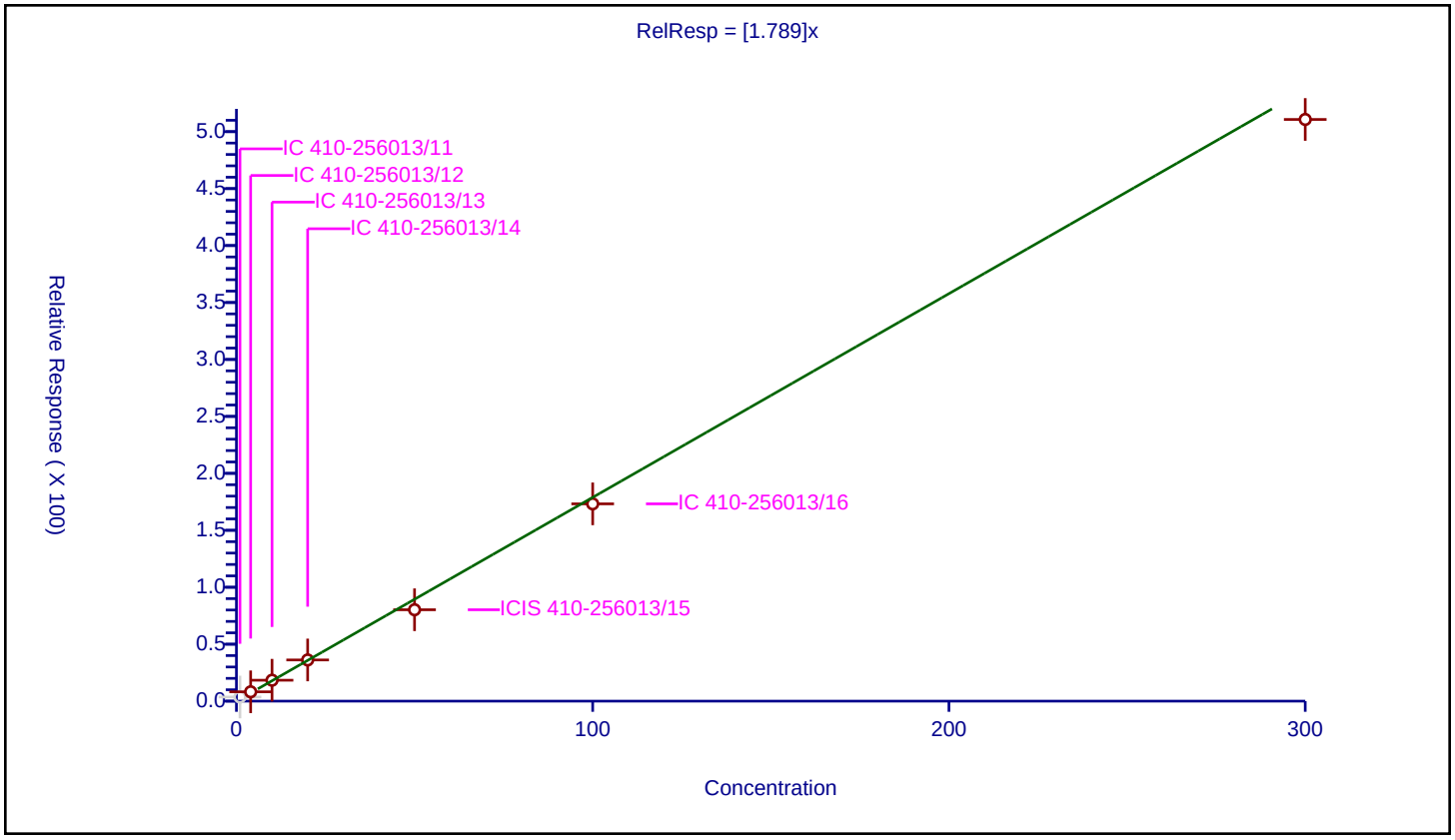
Curve Coefficients

Intercept:	0
Slope:	1.789

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-256013/11	1.0	3.602245	50.0	466473.0	3.602245	N
2	IC 410-256013/12	4.0	8.196544	50.0	457638.0	2.049136	Y
3	IC 410-256013/13	10.0	18.36787	50.0	448800.0	1.836787	Y
4	IC 410-256013/14	20.0	36.167628	50.0	469182.0	1.808381	Y
5	ICIS 410-256013/15	50.0	80.238343	50.0	498273.0	1.604767	Y
6	IC 410-256013/16	100.0	173.220927	50.0	510617.0	1.732209	Y
7	IC 410-256013/17	300.0	510.71214	50.0	542534.0	1.702374	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-256013/19 Calibration Date: 05/17/2022 15:37

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY17X21.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	0.2011	0.2453	0.1000	24.4	20.0	22.0	30.0
Chloromethane	Ave	0.2536	0.2710	0.1000	21.4	20.0	6.8	30.0
Vinyl chloride	Ave	0.2564	0.2695	0.1000	21.0	20.0	5.1	30.0
1,3-Butadiene	Ave	0.2486	0.2507		20.2	20.0	0.8	30.0
Bromomethane	Ave	0.1999	0.2159	0.1000	21.6	20.0	8.0	30.0
Chloroethane	Ave	0.1523	0.1655	0.1000	21.7	20.0	8.6	30.0
Dichlorofluoromethane	Ave	0.3799	0.4023		21.2	20.0	5.9	30.0
Trichlorofluoromethane	Ave	0.3115	0.3338	0.1000	21.4	20.0	7.2	30.0
n-Pentane	Ave	0.2718	0.3309		24.4	20.0	21.8	30.0
Ethyl ether	Ave	0.1728	0.1902		21.9	19.9	10.0	30.0
Freon 123a	Ave	0.2289	0.2208		19.3	20.0	-3.5	30.0
Acrolein	Ave	1.629	1.540		142	150	-5.5	30.0
1,1-Dichloroethene	Ave	0.1832	0.1972	0.1000	21.5	20.0	7.6	30.0
Acetone	Ave	0.6688	0.6480	0.1000	242	250	-3.1	30.0
Freon 113	Ave	0.1667	0.1872	0.1000	22.5	20.0	12.3	30.0
Methyl iodide	Ave	0.3195	0.3630		22.7	20.0	13.6	30.0
2-Propanol	Ave	0.5266	0.4769		136	150	-9.4	30.0
Carbon disulfide	Ave	0.5607	0.6616	0.1000	23.6	20.0	18.0	30.0
Methyl acetate	Ave	0.2506	0.2559	0.1000	20.4	20.0	2.1	30.0
Allyl chloride	Ave	0.3229	0.3559		22.0	20.0	10.2	30.0
Methylene Chloride	Ave	0.2211	0.2309	0.1000	20.9	20.0	4.4	30.0
t-Butyl alcohol	Ave	0.9730	0.8927		184	200	-8.2	30.0
Acrylonitrile	Ave	0.1262	0.1242		98.5	100	-1.5	30.0
Methyl tertiary butyl ether	Ave	0.7364	0.7516	0.1000	20.4	20.0	2.1	30.0
trans-1,2-Dichloroethene	Ave	0.2184	0.2245	0.1000	20.6	20.0	2.8	30.0
n-Hexane	Ave	0.2466	0.2704		21.9	20.0	9.7	30.0
1,1-Dichloroethane	Ave	0.3955	0.4087	0.2000	20.7	20.0	3.3	30.0
di-Isopropyl ether	Ave	0.7051	0.7246		20.6	20.0	2.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3285	0.3628		22.1	20.0	10.5	30.0
Ethyl t-butyl ether	Ave	0.7274	0.7566		20.8	20.0	4.0	30.0
2-Butanone	Ave	0.1765	0.1724	0.1000	244	250	-2.3	30.0
cis-1,2-Dichloroethene	Ave	0.2389	0.2586	0.1000	21.6	20.0	8.2	30.0
2,2-Dichloropropane	Ave	0.3436	0.3760		21.9	20.0	9.4	30.0
Propionitrile	Ave	1.118	1.092		146	150	-2.4	30.0
Methacrylonitrile	Ave	0.1437	0.1427		149	150	-0.7	30.0
Bromochloromethane	Ave	0.1257	0.1305		20.8	20.0	3.8	30.0
Tetrahydrofuran	Ave	1.054	1.038		98.5	100	-1.5	30.0
Chloroform	Ave	0.4003	0.4221	0.2000	21.1	20.0	5.4	30.0
1,1,1-Trichloroethane	Ave	0.3428	0.3667	0.1000	21.4	20.0	7.0	30.0
Cyclohexane	Ave	0.3111	0.3517	0.1000	22.6	20.0	13.1	30.0
Carbon tetrachloride	Ave	0.2794	0.2957	0.1000	21.2	20.0	5.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-256013/19 Calibration Date: 05/17/2022 15:37

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY17X21.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	0.3068	0.3260		21.3	20.0	6.3	30.0
Isobutyl alcohol	Ave	0.3258	0.3025		464	500	-7.2	30.0
Benzene	Ave	0.8871	0.9545	0.5000	21.5	20.0	7.6	30.0
1,2-Dichloroethane	Ave	0.3581	0.3623	0.1000	20.2	20.0	1.2	30.0
t-Amyl methyl ether	Ave	0.7357	0.7562		20.6	20.0	2.8	30.0
n-Heptane	Ave	0.2658	0.2768		20.8	20.0	4.1	30.0
n-Butanol	Ave	0.2452	0.2493		1020	1000	1.7	30.0
Trichloroethene	Ave	0.2348	0.2473	0.2000	21.1	20.0	5.3	30.0
Methylcyclohexane	Ave	0.3344	0.3705	0.1000	22.2	20.0	10.8	30.0
1,2-Dichloropropane	Ave	0.2442	0.2548	0.1000	20.9	20.0	4.3	30.0
t-Amyl ethyl ether	Ave	0.3644	0.3782		20.8	20.0	3.8	30.0
Methyl methacrylate	Ave	0.2332	0.2186		18.7	20.0	-6.3	30.0
1,4-Dioxane	Ave	0.0795	0.0828	0.0050	521	500	4.1	30.0
Dibromomethane	Ave	0.1720	0.1707		19.8	20.0	-0.8	30.0
Bromodichloromethane	Ave	0.3068	0.3181	0.2000	20.7	20.0	3.7	30.0
2-Nitropropane	Ave	2.380	2.214		18.6	20.0	-7.0	30.0
2-Chloroethyl vinyl ether	Ave	0.2092	0.1966		18.8	20.0	-6.1	30.0
cis-1,3-Dichloropropene	Ave	0.4017	0.4056	0.2000	20.2	20.0	1.0	30.0
4-Methyl-2-pentanone	Ave	0.3718	0.3799	0.1000	255	250	2.2	30.0
Toluene	Ave	0.7336	0.7895	0.4000	21.5	20.0	7.6	30.0
trans-1,3-Dichloropropene	Ave	0.5013	0.5161	0.1000	20.6	20.0	2.9	30.0
Ethyl methacrylate	Ave	0.5254	0.5345		20.3	20.0	1.7	30.0
1,1,2-Trichloroethane	Ave	0.3029	0.3104	0.1000	20.5	20.0	2.5	30.0
Tetrachloroethene	Ave	0.2878	0.3046	0.2000	21.2	20.0	5.8	30.0
1,3-Dichloropropane	Ave	0.5207	0.5311		20.4	20.0	2.0	30.0
2-Hexanone	Ave	0.3556	0.3651	0.1000	257	250	2.7	30.0
Dibromochloromethane	Ave	0.3289	0.3352		20.4	20.0	1.9	30.0
1,2-Dibromoethane	Ave	0.3336	0.3426	0.1000	20.5	20.0	2.7	30.0
1-Chlorohexane	Ave	0.4151	0.4329		20.9	20.0	4.3	30.0
Chlorobenzene	Ave	0.8625	0.8984	0.5000	20.8	20.0	4.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2969	0.3068		20.7	20.0	3.3	30.0
Ethylbenzene	Ave	1.462	1.541	0.1000	21.1	20.0	5.4	30.0
m&p-Xylene	Ave	0.5672	0.6052	0.1000	42.7	40.0	6.7	30.0
o-Xylene	Ave	0.5714	0.5983	0.3000	20.9	20.0	4.7	30.0
Styrene	Ave	0.9731	1.022	0.3000	21.0	20.0	5.0	30.0
Bromoform	Ave	0.2351	0.2260	0.1000	19.2	20.0	-3.9	30.0
Isopropylbenzene	Ave	1.427	1.558	0.1000	21.8	20.0	9.2	30.0
Cyclohexanone	Ave	0.3967	0.2720		343	500	-31.4*	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9757	1.023	0.3000	21.0	20.0	4.8	30.0
Bromobenzene	Ave	0.6798	0.7002		20.6	20.0	3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3196	0.3225		101	100	0.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-256013/19 Calibration Date: 05/17/2022 15:37

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY17X21.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	0.2940	0.2924		19.9	20.0	-0.6	30.0
N-Propylbenzene	Ave	3.177	3.456		21.8	20.0	8.8	30.0
2-Chlorotoluene	Ave	0.6447	0.6882		21.3	20.0	6.7	30.0
1,3,5-Trimethylbenzene	Ave	2.292	2.465		21.5	20.0	7.5	30.0
4-Chlorotoluene	Ave	0.6755	0.7178		21.3	20.0	6.3	30.0
tert-Butylbenzene	Ave	0.4384	0.4781		21.8	20.0	9.1	30.0
1,2,4-Trimethylbenzene	Ave	2.391	2.506		21.0	20.0	4.8	30.0
sec-Butylbenzene	Ave	2.744	3.020		22.0	20.0	10.0	30.0
1,3-Dichlorobenzene	Ave	1.308	1.342	0.6000	20.5	20.0	2.6	30.0
p-Isopropyltoluene	Ave	2.455	2.628		21.4	20.0	7.1	30.0
1,4-Dichlorobenzene	Ave	1.375	1.376	0.5000	20.0	20.0	0.0	30.0
1,2,3-Trimethylbenzene	Ave	2.501	2.621		21.0	20.0	4.8	30.0
Benzyl chloride	Ave	1.987	1.952		19.6	20.0	-1.8	30.0
1,3-Diethylbenzene	Ave	1.476	1.570		21.3	20.0	6.4	30.0
1,4-Diethylbenzene	Ave	1.559	1.641		21.1	20.0	5.3	30.0
n-Butylbenzene	Ave	1.273	1.317		20.7	20.0	3.5	30.0
1,2-Dichlorobenzene	Ave	1.319	1.348	0.4000	20.5	20.0	2.3	30.0
1,2-Diethylbenzene	Ave	1.244	1.298		20.9	20.0	4.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2478	0.2336	0.0500	18.9	20.0	-5.7	30.0
1,3,5-Trichlorobenzene	Ave	0.9235	0.9236		20.0	20.0	0.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9119	0.8940	0.2000	19.6	20.0	-2.0	30.0
Hexachlorobutadiene	Ave	0.3515	0.3431		19.5	20.0	-2.4	30.0
Naphthalene	Ave	3.344	3.224		19.3	20.0	-3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.8901	0.8605		19.3	20.0	-3.3	30.0
2-Methylnaphthalene	Ave	1.789	1.801		20.1	20.0	0.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2530	0.2523		49.9	50.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0602	0.0602		50.0	50.0	-0.0	30.0
Toluene-d8 (Surr)	Ave	1.338	1.350		50.5	50.0	0.9	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5030	0.5093		50.6	50.0	1.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-May-2022 15:37:30 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057379-019
Misc. Info.: IC
Operator ID: CLM27445 Instrument ID: 9915
Sublist:

Method: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-May-2022 19:18:20 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 17-May-2022 18:45:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.078	2.072	0.006	99	112885	20.0	24.4	M
4 Chloromethane	50	2.281	2.275	0.006	99	124688	20.0	21.4	
6 Vinyl chloride	62	2.400	2.397	0.003	96	124021	20.0	21.0	
5 Butadiene	39	2.403	2.403	0.000	96	115366	20.0	20.2	M
8 Bromomethane	94	2.744	2.747	-0.003	90	99350	20.0	21.6	M
9 Chloroethane	64	2.828	2.831	-0.003	100	76158	20.0	21.7	M
10 Dichlorofluoromethane	67	3.078	3.085	-0.007	97	185145	20.0	21.2	
11 Trichlorofluoromethane	101	3.082	3.088	-0.006	91	153611	20.0	21.4	M
12 Pentane	43	3.188	3.188	0.000	97	152265	20.0	24.4	
14 Ethyl ether	59	3.410	3.406	0.004	91	87024	19.9	21.9	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.500	3.493	0.007	95	101604	20.0	19.3	
16 Acrolein	56	3.583	3.586	-0.003	99	242322	150.0	141.7	M
17 1,1-Dichloroethene	96	3.734	3.731	0.003	95	90767	20.0	21.5	
18 Acetone	58	3.757	3.750	0.007	99	170010	250.0	242.2	
19 112TCTFE	101	3.776	3.773	0.003	92	86168	20.0	22.5	
20 Iodomethane	142	3.930	3.927	0.003	99	167058	20.0	22.7	
21 Isopropyl alcohol	45	3.947	3.934	0.013	50	75079	150.0	135.8	
22 Carbon disulfide	76	4.043	4.040	0.003	100	304473	20.0	23.6	
24 Methyl acetate	43	4.194	4.197	-0.003	97	117771	20.0	20.4	M
25 3-Chloro-1-propene	41	4.226	4.226	0.000	89	163784	20.0	22.0	
* 27 t-Butyl alcohol-d10 (IS)	65	4.442	4.426	0.016	67	262378	250.0	250.0	
26 Methylene Chloride	84	4.426	4.426	0.000	95	106250	20.0	20.9	
28 2-Methyl-2-propanol	59	4.567	4.564	0.003	99	187384	200.0	183.5	
29 Acrylonitrile	53	4.773	4.766	0.007	100	285773	100.0	98.5	
31 Methyl tert-butyl ether	73	4.840	4.834	0.006	92	345868	20.0	20.4	
32 trans-1,2-Dichloroethene	96	4.840	4.844	-0.004	98	103300	20.0	20.6	
33 Hexane	57	5.271	5.262	0.009	93	124433	20.0	21.9	
35 1,1-Dichloroethane	63	5.500	5.503	-0.003	96	188074	20.0	20.7	
36 Isopropyl ether	45	5.567	5.557	0.010	93	333444	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	5.612	5.612	0.000	93	166974	20.0	22.1	

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	6.088	6.088	0.000	98	348194	20.0	20.8	
40 2-Butanone (MEK)	43	6.303	6.297	0.006	100	991773	250.0	244.2	
41 cis-1,2-Dichloroethene	96	6.329	6.323	0.006	83	118989	20.0	21.6	
42 2,2-Dichloropropane	77	6.342	6.332	0.010	87	173037	20.0	21.9	
44 Propionitrile	54	6.393	6.384	0.009	99	171858	150.0	146.4	
45 Methacrylonitrile	67	6.599	6.599	0.000	94	492636	150.0	149.0	
46 Chlorobromomethane	128	6.654	6.651	0.003	88	60047	20.0	20.8	
47 Tetrahydrofuran	71	6.667	6.660	0.007	93	108953	100.0	98.5	
48 Chloroform	83	6.808	6.802	0.006	94	194257	20.0	21.1	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.020	-0.003	92	290280	50.0	49.9	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	98	168762	20.0	21.4	
51 Cyclohexane	56	7.130	7.127	0.004	90	161853	20.0	22.6	
53 1,1-Dichloropropene	75	7.242	7.242	0.000	94	150037	20.0	21.3	
52 Carbon tetrachloride	117	7.236	7.242	-0.006	87	136078	20.0	21.2	
54 Isobutyl alcohol	41	7.390	7.390	0.000	93	158716	500.0	464.2	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.474	7.467	0.007	97	69263	50.0	50.0	
56 Benzene	78	7.503	7.506	-0.003	97	439254	20.0	21.5	
57 1,2-Dichloroethane	62	7.570	7.573	-0.003	98	166714	20.0	20.2	
59 Tert-amyl methyl ether	73	7.689	7.686	0.003	98	348002	20.0	20.6	
* 61 Fluorobenzene (IS)	96	7.905	7.905	0.000	98	1150455	50.0	50.0	
62 n-Heptane	43	7.911	7.917	-0.006	94	127395	20.0	20.8	
63 n-Butanol	56	8.262	8.265	-0.003	89	261675	1000.0	1017.0	
64 Trichloroethene	95	8.384	8.380	0.004	98	113788	20.0	21.1	
65 Methylcyclohexane	83	8.683	8.683	0.000	92	170479	20.0	22.2	
67 1,2-Dichloropropane	63	8.712	8.712	0.000	81	117233	20.0	20.9	
66 2-ethoxy-2-methyl butane	87	8.715	8.715	0.000	91	174025	20.0	20.8	
68 Methyl methacrylate	69	8.789	8.789	0.000	92	100575	20.0	18.7	
69 1,4-Dioxane	88	8.798	8.795	0.003	38	43443	500.0	520.5	
70 Dibromomethane	93	8.824	8.821	0.003	95	78567	20.0	19.8	
72 Dichlorobromomethane	83	9.052	9.052	0.000	99	146389	20.0	20.7	
73 2-Nitropropane	41	9.326	9.323	0.003	99	46478	20.0	18.6	
74 2-Chloroethyl vinyl ether	63	9.403	9.403	0.000	92	90454	20.0	18.8	
75 cis-1,3-Dichloropropene	75	9.589	9.586	0.003	94	186640	20.0	20.2	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	98	2185271	250.0	255.4	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1199900	50.0	50.5	
79 Toluene	92	9.966	9.962	0.004	98	280583	20.0	21.5	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	95	183412	20.0	20.6	
85 Ethyl methacrylate	69	10.268	10.265	0.003	89	189970	20.0	20.3	
86 1,1,2-Trichloroethane	97	10.409	10.413	-0.004	91	110324	20.0	20.5	
87 Tetrachloroethene	166	10.503	10.499	0.004	94	108239	20.0	21.2	
88 1,3-Dichloropropane	76	10.573	10.573	0.000	92	188746	20.0	20.4	
90 2-Hexanone	43	10.622	10.618	0.004	97	1622021	250.0	256.7	
92 Chlorodibromomethane	129	10.782	10.782	0.000	89	119117	20.0	20.4	
93 Ethylene Dibromide	107	10.895	10.895	0.000	99	121777	20.0	20.5	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	888495	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	153857	20.0	20.9	
97 Chlorobenzene	112	11.348	11.345	0.003	95	319287	20.0	20.8	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	95	109049	20.0	20.7	
99 Ethylbenzene	91	11.432	11.432	0.000	98	547535	20.0	21.1	
100 m-Xylene & p-Xylene	106	11.541	11.544	-0.003	100	430165	40.0	42.7	
101 o-Xylene	106	11.869	11.872	-0.003	96	212629	20.0	20.9	
102 Styrene	104	11.885	11.885	0.000	95	363139	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	12.043	12.043	0.000	94	80329	20.0	19.2	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	553755	20.0	21.8	
106 Cyclohexanone	55	12.248	12.245	0.003	94	142766	500.0	342.9	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.310	0.000	93	452521	50.0	50.6	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	93	192489	20.0	21.0	
109 Bromobenzene	156	12.429	12.429	0.000	95	131745	20.0	20.6	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	94	303381	100.0	100.9	
111 1,2,3-Trichloropropane	110	12.454	12.457	-0.003	83	55011	20.0	19.9	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	650243	20.0	21.8	
113 2-Chlorotoluene	126	12.570	12.573	-0.003	96	129481	20.0	21.3	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	95	463795	20.0	21.5	
115 4-Chlorotoluene	126	12.663	12.663	0.000	98	135050	20.0	21.3	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	89948	20.0	21.8	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	471577	20.0	21.0	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	568176	20.0	22.0	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	252520	20.0	20.5	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	494548	20.0	21.4	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	470390	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.207	0.000	93	258970	20.0	20.0	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	493220	20.0	21.0	
126 Benzyl chloride	91	13.281	13.281	0.000	99	367272	20.0	19.6	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	295382	20.0	21.3	
128 p-Diethylbenzene	119	13.409	13.409	0.000	94	308857	20.0	21.1	
129 n-Butylbenzene	92	13.429	13.428	0.000	98	247769	20.0	20.7	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	253713	20.0	20.5	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	244240	20.0	20.9	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.007	-0.003	81	43950	20.0	18.9	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	173788	20.0	20.0	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	168219	20.0	19.6	
136 Hexachlorobutadiene	225	14.634	14.637	-0.003	96	64560	20.0	19.5	
137 Naphthalene	128	14.737	14.737	0.000	97	606703	20.0	19.3	
138 1,2,3-Trichlorobenzene	180	14.879	14.879	0.000	95	161911	20.0	19.3	
139 2-Methylnaphthalene	142	15.522	15.518	0.004	91	338791	20.0	20.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00055	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00060	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00002	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00001	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00058	Amount Added: 50.00	Units: uL	
MSV_QC_2K_GAS_00089	Amount Added: 1.00	Units: uL	
MSV_HP23_ISSS_00007	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-May-2022 19:18:22 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D

Injection Date: 17-May-2022 15:37:30 Instrument ID: 9915 Operator ID: CLM27445

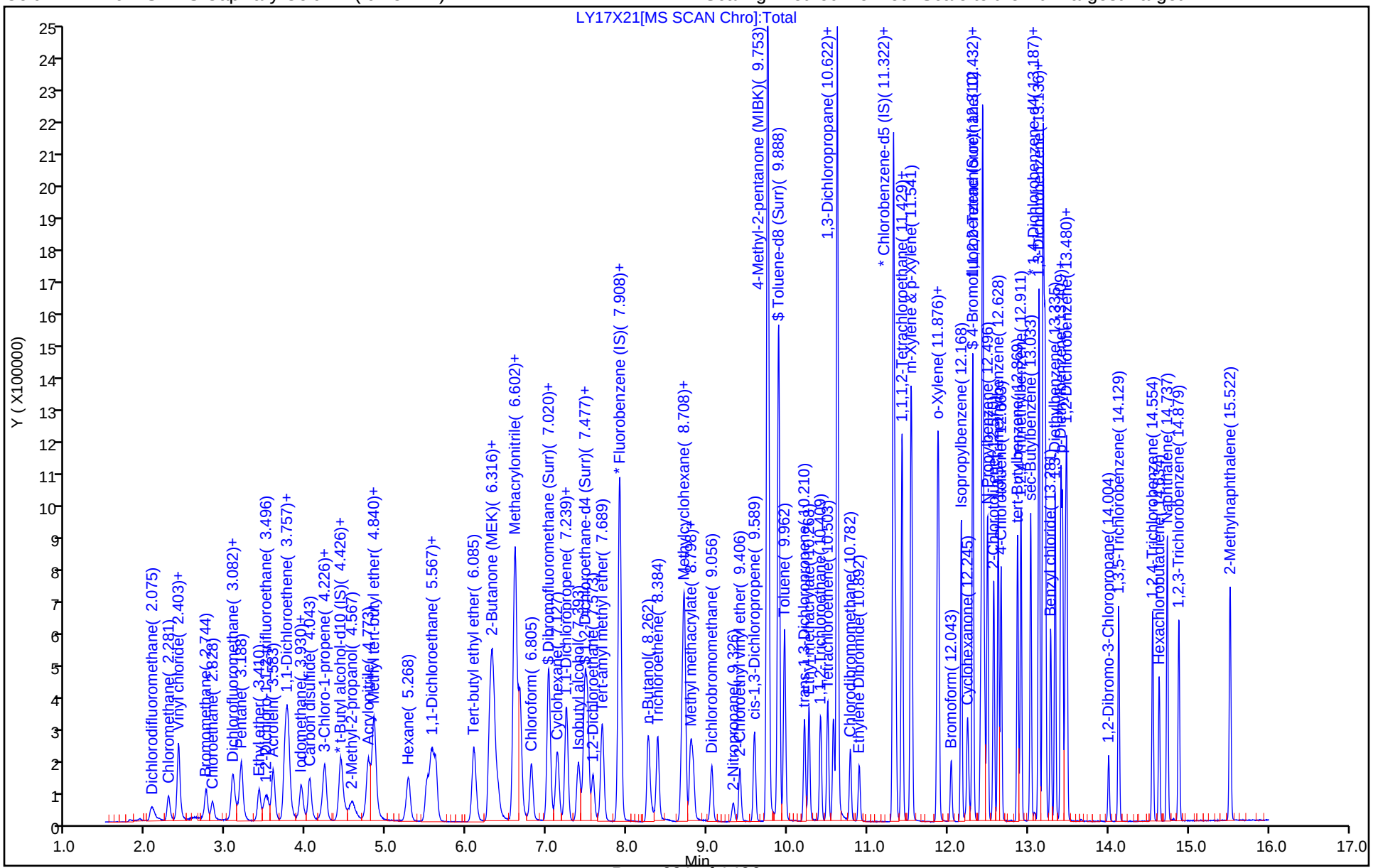
Lims ID: ICV Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

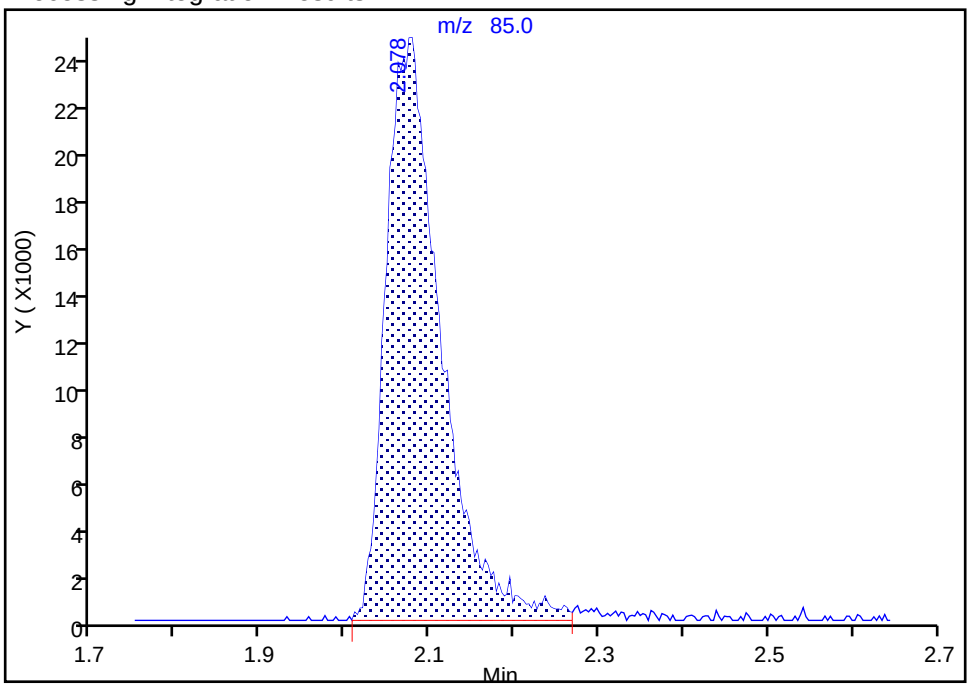
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D
Injection Date: 17-May-2022 15:37:30 Instrument ID: 9915
Lims ID: ICV
Client ID:
Operator ID: CLM27445 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

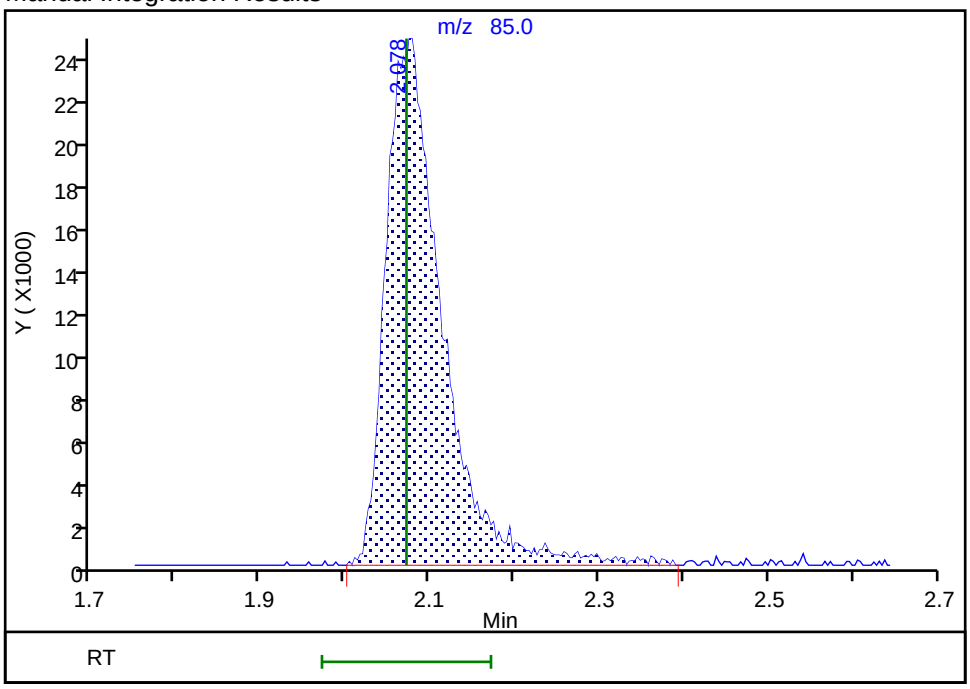
Processing Integration Results

RT: 2.08
Area: 110876
Amount: 24.481726
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 112885
Amount: 24.399445
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:37:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

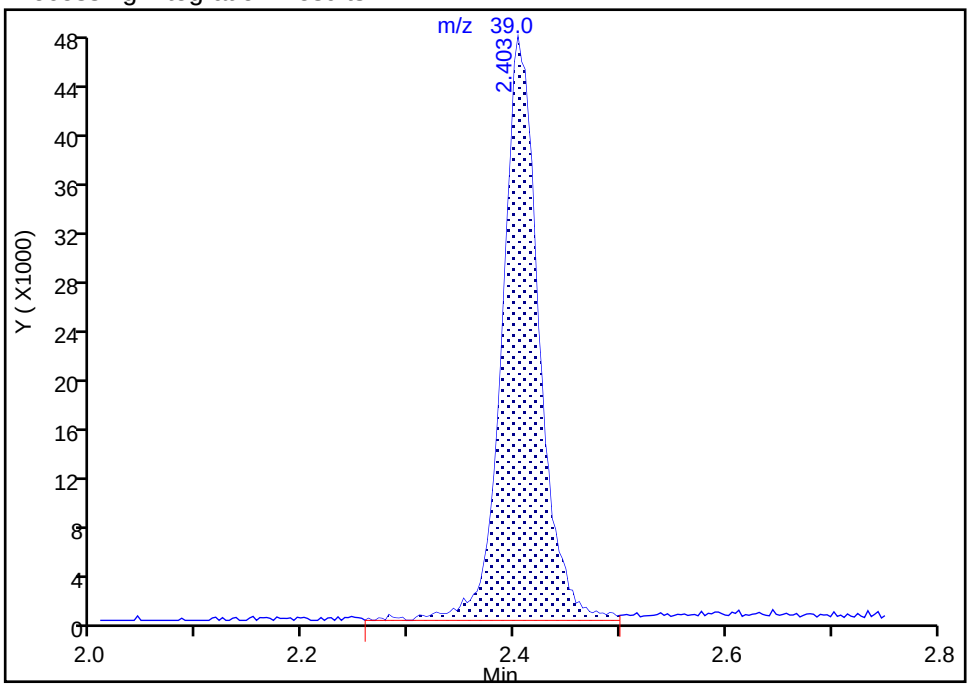
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D
Injection Date: 17-May-2022 15:37:30 Instrument ID: 9915
Lims ID: ICV
Client ID:
Operator ID: CLM27445 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

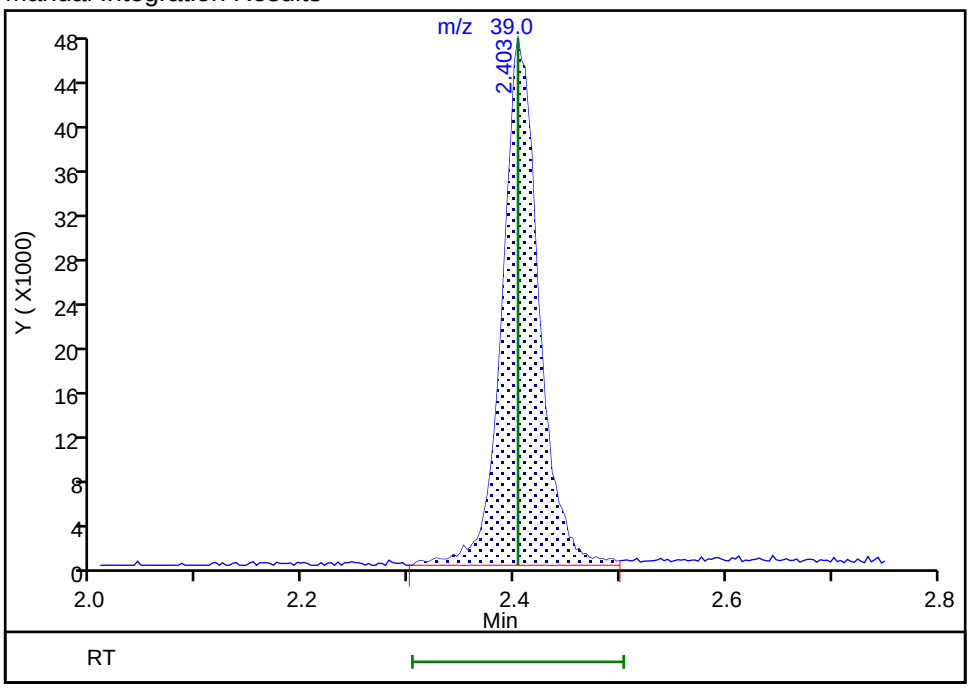
Processing Integration Results

RT: 2.40
Area: 115713
Amount: 20.420882
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 115366
Amount: 20.167981
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:37:52
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

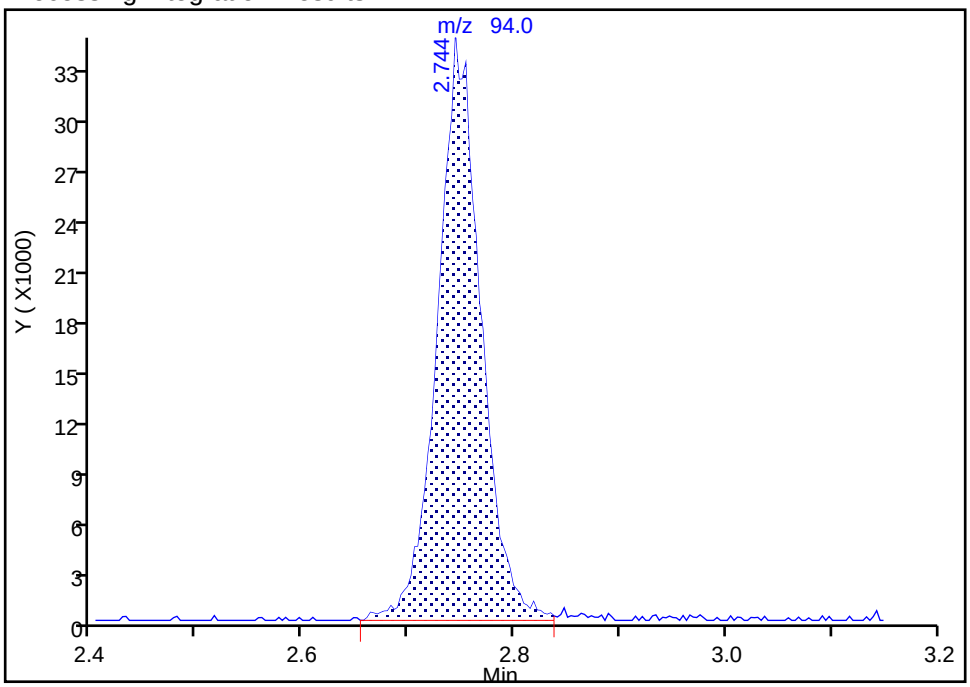
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D				
Injection Date:	17-May-2022 15:37:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Signal: 1

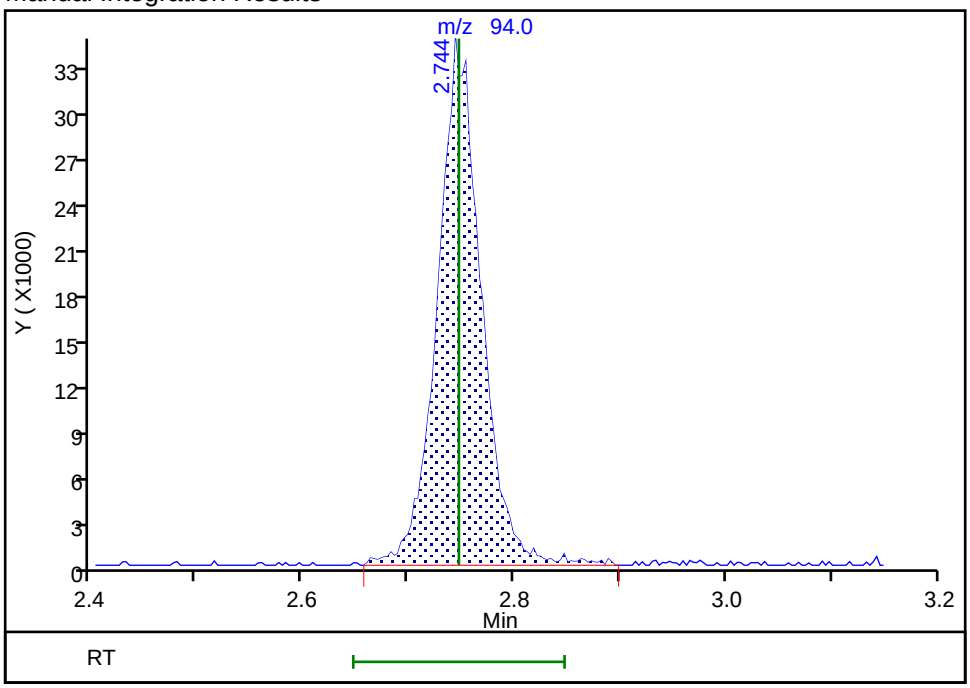
Processing Integration Results

RT: 2.74
Area: 98420
Amount: 21.456423
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 99350
Amount: 21.602913
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:37:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

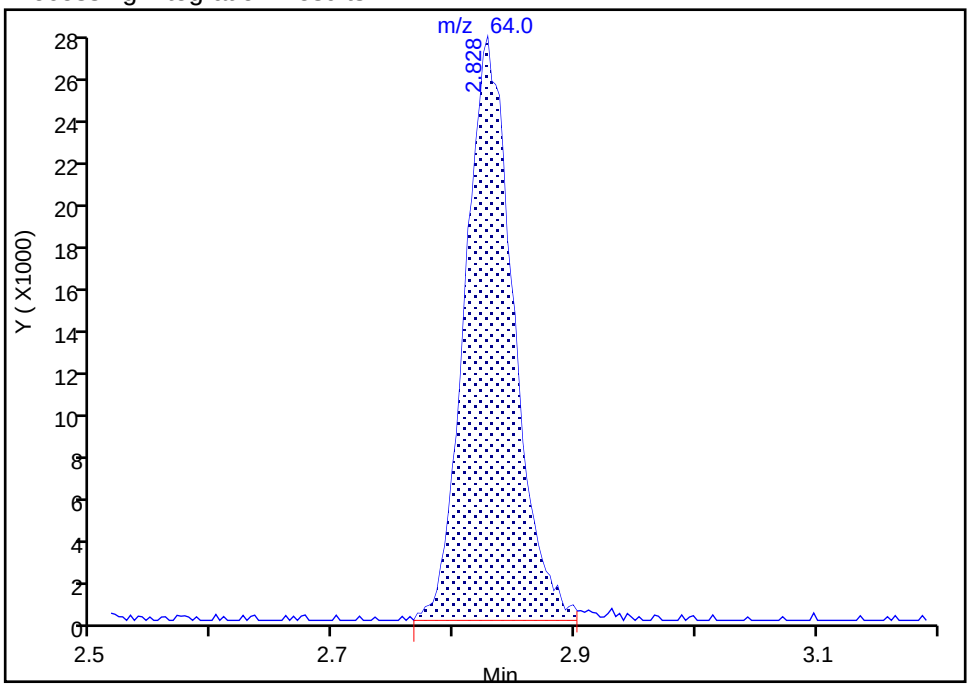
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D				
Injection Date:	17-May-2022 15:37:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Chloroethane, CAS: 75-00-3

Signal: 1

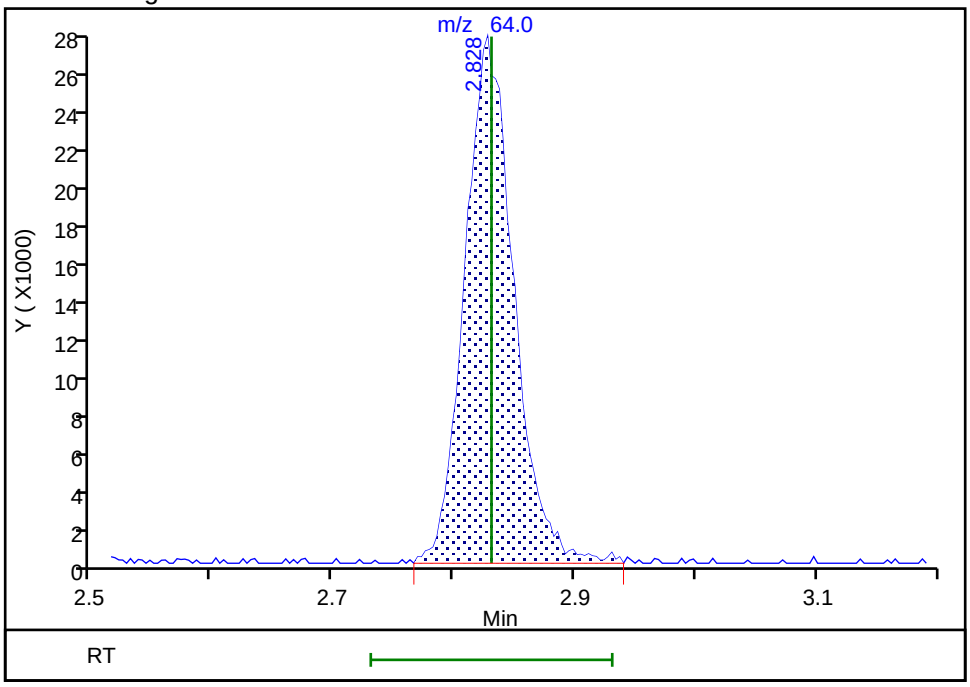
Processing Integration Results

RT: 2.83
Area: 75446
Amount: 21.574693
Amount Units: ug/l



Manual Integration Results

RT: 2.83
Area: 76158
Amount: 21.729950
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:38:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

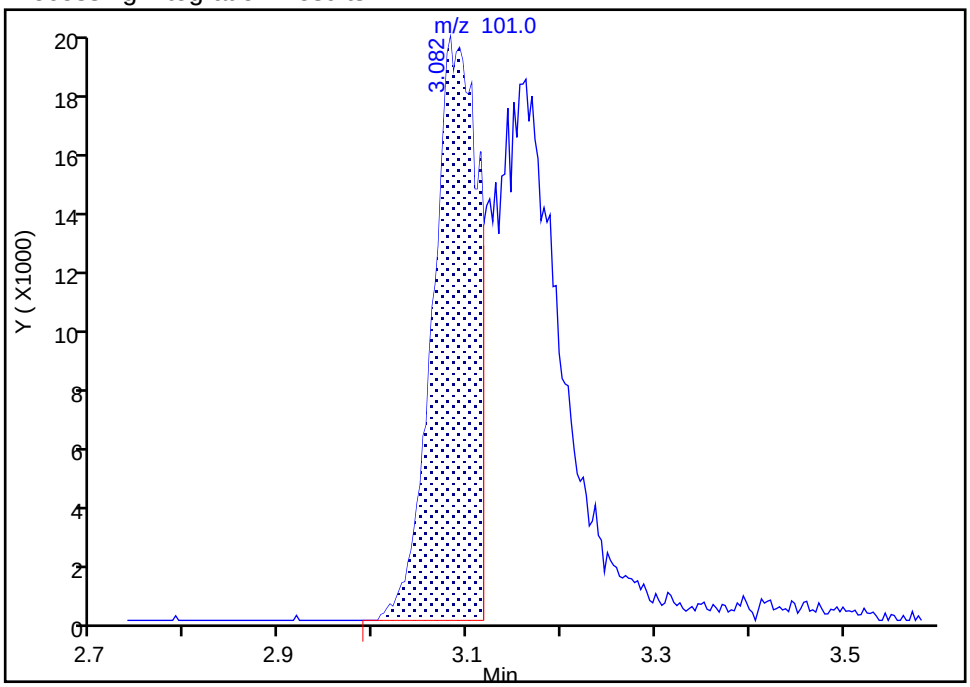
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D				
Injection Date:	17-May-2022 15:37:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

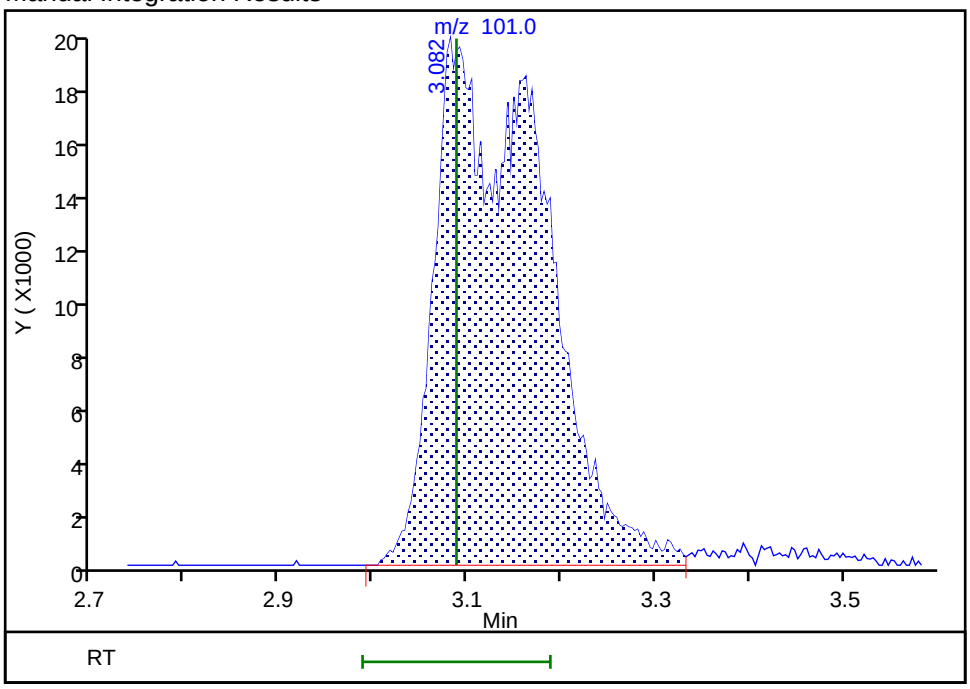
Processing Integration Results

RT: 3.08
Area: 63867
Amount: 9.017954
Amount Units: ug/l



Manual Integration Results

RT: 3.08
Area: 153611
Amount: 21.430980
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:38:17

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

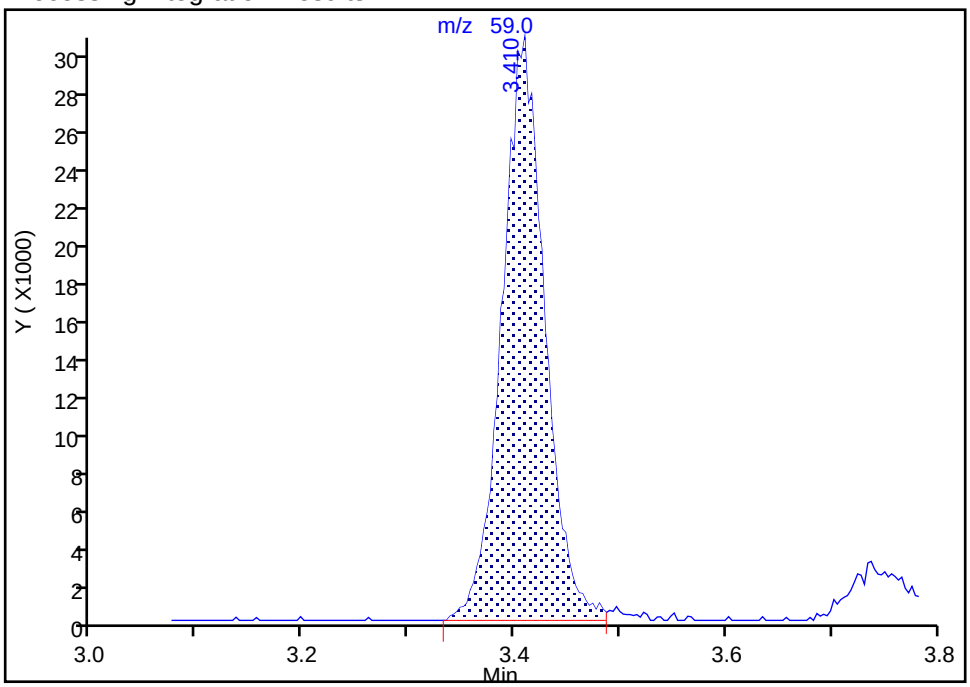
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D
Injection Date: 17-May-2022 15:37:30 Instrument ID: 9915
Lims ID: ICV
Client ID:
Operator ID: CLM27445 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Ethyl ether, CAS: 60-29-7

Signal: 1

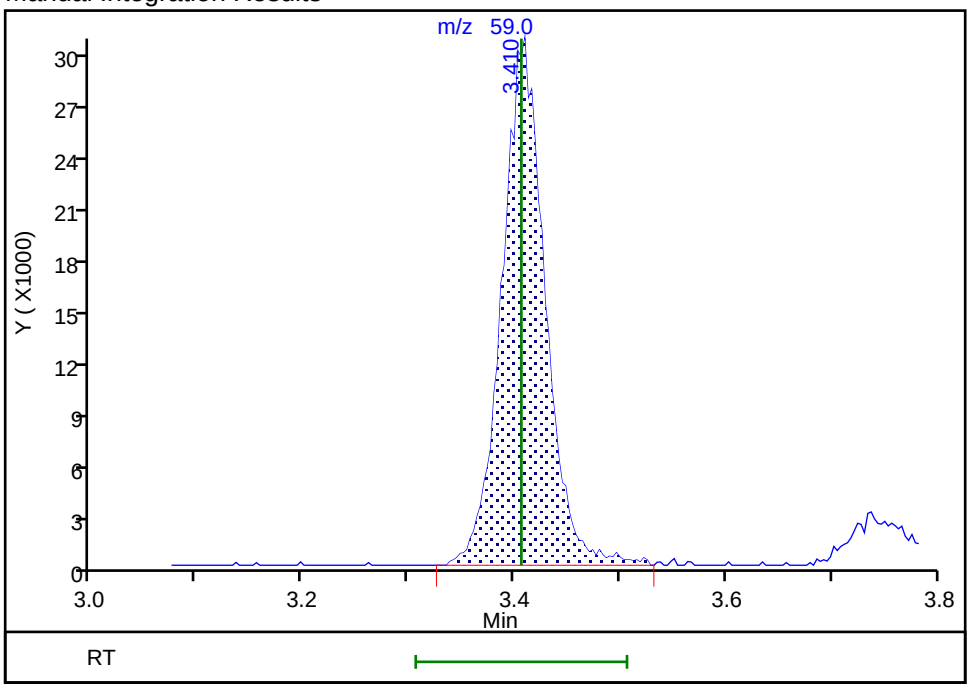
Processing Integration Results

RT: 3.41
Area: 86132
Amount: 22.589357
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 87024
Amount: 21.888237
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:38:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

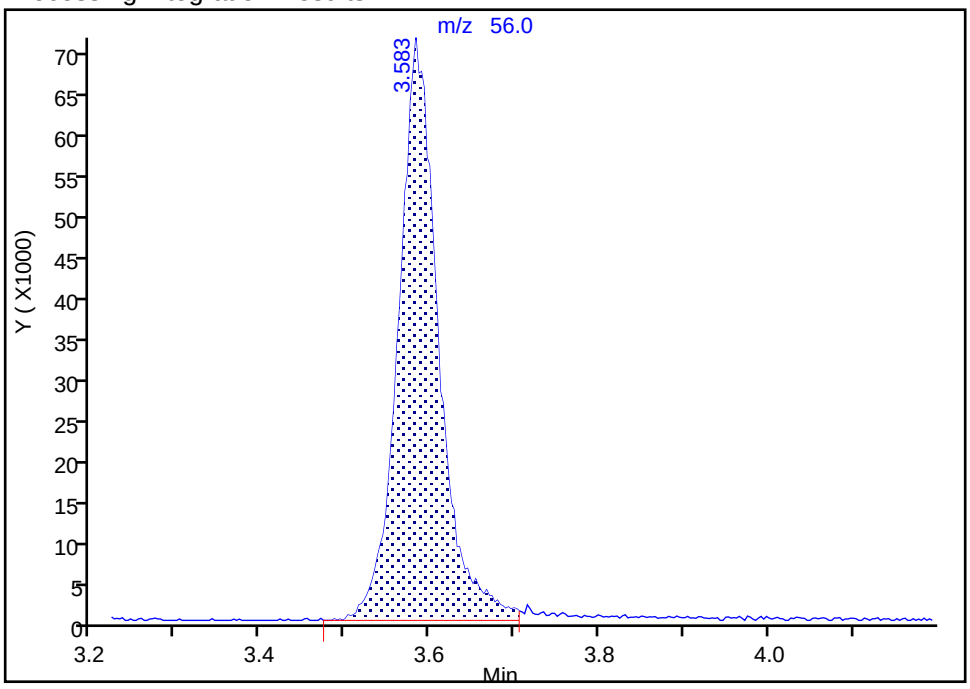
Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D				
Injection Date:	17-May-2022 15:37:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acrolein, CAS: 107-02-8

Signal: 1

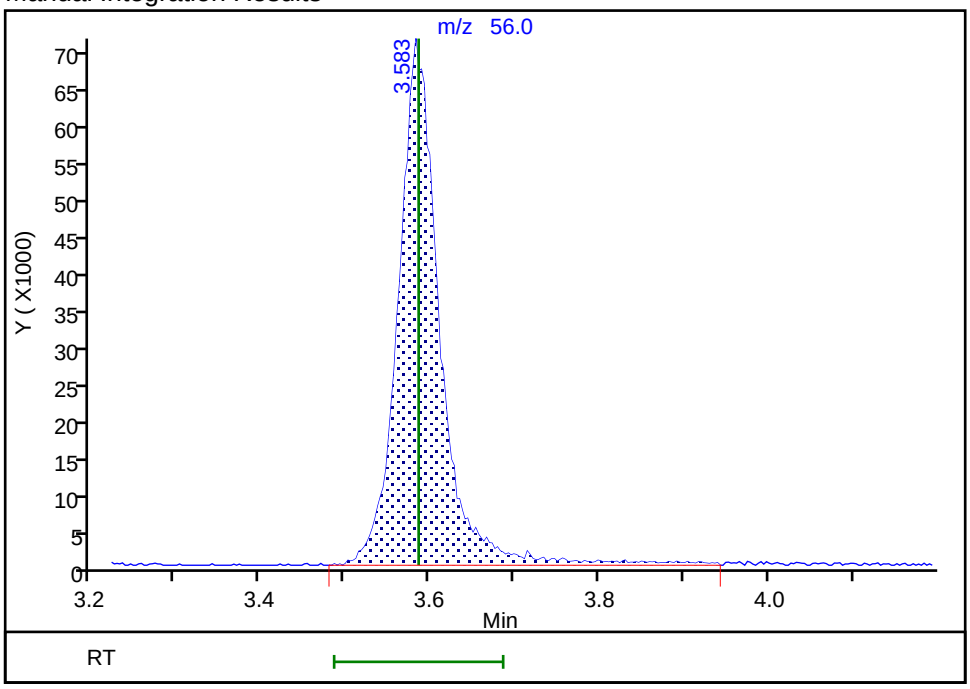
Processing Integration Results

RT: 3.58
Area: 234818
Amount: 137.7130
Amount Units: ug/l



Manual Integration Results

RT: 3.58
Area: 242322
Amount: 141.7253
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:38:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

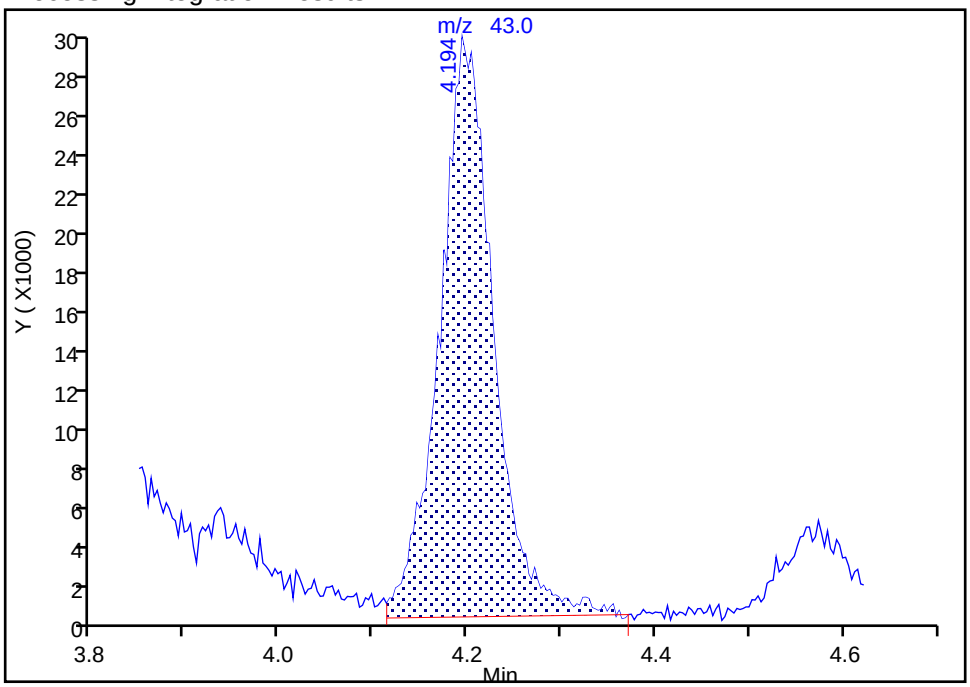
Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X21.D
Injection Date: 17-May-2022 15:37:30 Instrument ID: 9915
Lims ID: ICV
Client ID:
Operator ID: CLM27445 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

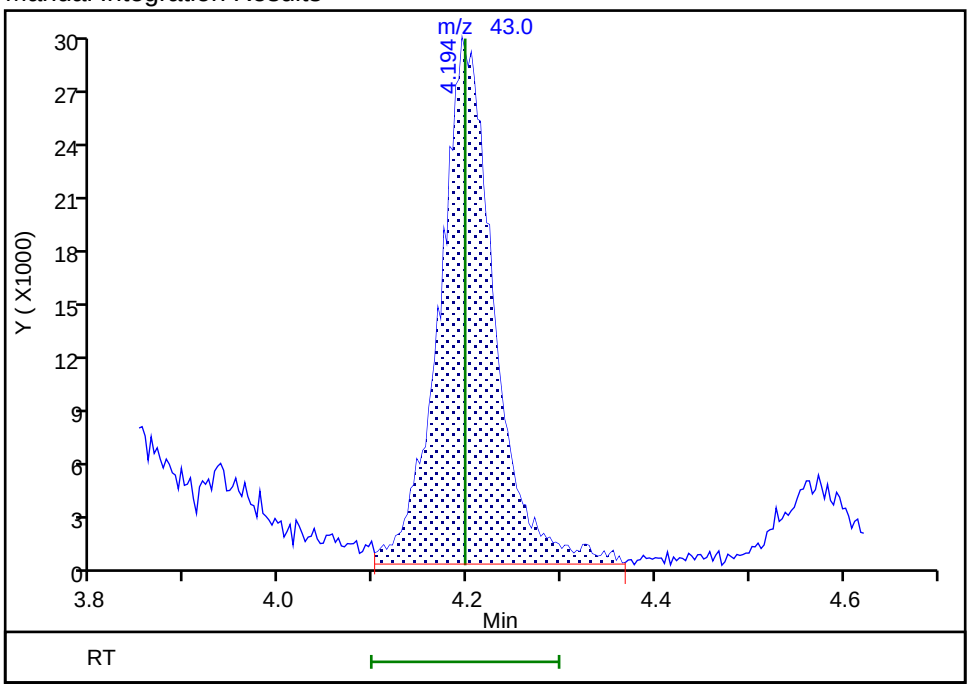
Processing Integration Results

RT: 4.19
Area: 115041
Amount: 19.985771
Amount Units: ug/l



Manual Integration Results

RT: 4.19
Area: 117771
Amount: 20.420872
Amount Units: ug/l



Reviewer: campbellme, 17-May-2022 18:38:55
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-258274/3 Calibration Date: 05/23/2022 21:17

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY23X32.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	0.2011	0.2715	0.1000	67.5	50.0	35.0*	20.0
Chloromethane	Ave	0.2536	0.2945	0.1000	58.1	50.0	16.1	20.0
1,3-Butadiene	Ave	0.2486	0.3384		68.1	50.0	36.1*	20.0
Vinyl chloride	Ave	0.2564	0.3060	0.1000	59.7	50.0	19.4	20.0
Bromomethane	Ave	0.1999	0.2322	0.1000	58.1	50.0	16.2	20.0
Chloroethane	Ave	0.1523	0.1773	0.1000	58.2	50.0	16.4	20.0
Dichlorofluoromethane	Ave	0.3799	0.4392		57.8	50.0	15.6	20.0
Trichlorofluoromethane	Ave	0.3115	0.3917	0.1000	62.9	50.0	25.8*	20.0
n-Pentane	Ave	0.2718	0.2744		50.5	50.0	1.0	20.0
Ethyl ether	Ave	0.1728	0.1327		38.4	50.0	-23.2*	20.0
Freon 123a	Ave	0.2289	0.2552		55.7	50.0	11.5	20.0
Acrolein	Ave	1.629	1.747		536	500	7.2	20.0
1,1-Dichloroethene	Ave	0.1832	0.1853	0.1000	50.6	50.0	1.1	20.0
Acetone	Ave	0.6688	0.7882	0.1000	118	100	17.9	20.0
Freon 113	Ave	0.1667	0.1830	0.1000	54.9	50.0	9.8	20.0
Methyl iodide	Ave	0.3195	0.3371		52.8	50.0	5.5	20.0
2-Propanol	Ave	0.5266	0.5074		241	250	-3.7	20.0
Carbon disulfide	Ave	0.5607	0.5518	0.1000	49.2	50.0	-1.6	20.0
Methyl acetate	Ave	0.2506	0.2233	0.1000	44.6	50.0	-10.9	20.0
Allyl chloride	Ave	0.3229	0.3074		47.6	50.0	-4.8	20.0
Methylene Chloride	Ave	0.2211	0.2278	0.1000	51.5	50.0	3.0	20.0
t-Butyl alcohol	Ave	0.9730	0.9773		251	250	0.4	20.0
Acrylonitrile	Ave	0.1262	0.1190		118	125	-5.6	20.0
Methyl tertiary butyl ether	Ave	0.7364	0.7294	0.1000	49.5	50.0	-0.9	20.0
trans-1,2-Dichloroethene	Ave	0.2184	0.2259	0.1000	51.7	50.0	3.4	20.0
n-Hexane	Ave	0.2466	0.2747		55.7	50.0	11.4	20.0
1,1-Dichloroethane	Ave	0.3955	0.4083	0.2000	51.6	50.0	3.2	20.0
di-Isopropyl ether	Ave	0.7051	0.6937		49.2	50.0	-1.6	20.0
2-Chloro-1,3-butadiene	Ave	0.3285	0.3389		51.6	50.0	3.2	20.0
Ethyl t-butyl ether	Ave	0.7274	0.7217		49.6	50.0	-0.8	20.0
2-Butanone	Ave	0.1765	0.1667	0.1000	94.5	100	-5.5	20.0
cis-1,2-Dichloroethene	Ave	0.2389	0.2533	0.1000	53.0	50.0	6.0	20.0
2,2-Dichloropropane	Ave	0.3436	0.3648		53.1	50.0	6.2	20.0
Propionitrile	Ave	1.118	1.237		276	250	10.6	20.0
Methacrylonitrile	Ave	0.1437	0.1413		123	125	-1.7	20.0
Bromochloromethane	Ave	0.1257	0.1360		54.1	50.0	8.2	20.0
Tetrahydrofuran	Ave	1.054	1.179		280	250	11.8	20.0
Chloroform	Ave	0.4003	0.4294	0.2000	53.6	50.0	7.2	20.0
1,1,1-Trichloroethane	Ave	0.3428	0.3744	0.1000	54.6	50.0	9.2	20.0
Cyclohexane	Ave	0.3111	0.3484	0.1000	56.0	50.0	12.0	20.0
Carbon tetrachloride	Ave	0.2794	0.3228	0.1000	57.8	50.0	15.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-258274/3 Calibration Date: 05/23/2022 21:17

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY23X32.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	0.3068	0.3281		53.5	50.0	7.0	20.0
Isobutyl alcohol	Ave	0.3258	0.3320		637	625	1.9	20.0
Benzene	Ave	0.8871	0.9387	0.5000	52.9	50.0	5.8	20.0
1,2-Dichloroethane	Ave	0.3581	0.3646	0.1000	50.9	50.0	1.8	20.0
t-Amyl methyl ether	Ave	0.7357	0.7550		51.3	50.0	2.6	20.0
n-Heptane	Ave	0.2658	0.2917		54.9	50.0	9.7	20.0
n-Butanol	Ave	0.2452	0.2612		666	625	6.6	20.0
Trichloroethene	Ave	0.2348	0.2563	0.2000	54.6	50.0	9.2	20.0
Methylcyclohexane	Ave	0.3344	0.4004	0.1000	59.9	50.0	19.7	20.0
1,2-Dichloropropane	Ave	0.2442	0.2570	0.1000	52.6	50.0	5.2	20.0
t-Amyl ethyl ether	Ave	0.3644	0.3860		53.0	50.0	5.9	20.0
1,4-Dioxane	Ave	0.0795	0.0862	0.0050	678	625	8.4	20.0
Methyl methacrylate	Ave	0.2332	0.2330		50.0	50.0	-0.0	20.0
Dibromomethane	Ave	0.1720	0.1852		53.8	50.0	7.7	20.0
Bromodichloromethane	Ave	0.3068	0.3298	0.2000	53.7	50.0	7.5	20.0
2-Nitropropane	Ave	2.380	2.862		301	250	20.2*	20.0
2-Chloroethyl vinyl ether	Ave	0.2092	0.2077		49.6	50.0	-0.7	20.0
cis-1,3-Dichloropropene	Ave	0.4017	0.4269	0.2000	53.1	50.0	6.3	20.0
4-Methyl-2-pentanone	Ave	0.3718	0.3801	0.1000	102	100	2.2	20.0
Toluene	Ave	0.7336	0.7995	0.4000	54.5	50.0	9.0	20.0
trans-1,3-Dichloropropene	Ave	0.5013	0.5187	0.1000	51.7	50.0	3.5	20.0
Ethyl methacrylate	Ave	0.5254	0.5306		50.5	50.0	1.0	20.0
1,1,2-Trichloroethane	Ave	0.3029	0.3200	0.1000	52.8	50.0	5.6	20.0
Tetrachloroethene	Ave	0.2878	0.3289	0.2000	57.1	50.0	14.3	20.0
1,3-Dichloropropane	Ave	0.5207	0.5347		51.4	50.0	2.7	20.0
2-Hexanone	Ave	0.3556	0.3606	0.1000	101	100	1.4	20.0
Dibromochloromethane	Ave	0.3289	0.3581		54.4	50.0	8.9	20.0
1,2-Dibromoethane	Ave	0.3336	0.3547	0.1000	53.2	50.0	6.3	20.0
1-Chlorohexane	Ave	0.4151	0.4461		53.7	50.0	7.5	20.0
Chlorobenzene	Ave	0.8625	0.9379	0.5000	54.4	50.0	8.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2969	0.3299		55.6	50.0	11.1	20.0
Ethylbenzene	Ave	1.462	1.604	0.1000	54.9	50.0	9.8	20.0
m&p-Xylene	Ave	0.5672	0.6331	0.1000	112	100	11.6	20.0
o-Xylene	Ave	0.5714	0.6374	0.3000	55.8	50.0	11.5	20.0
Styrene	Ave	0.9731	1.075	0.3000	55.2	50.0	10.5	20.0
Bromoform	Ave	0.2351	0.2504	0.1000	53.3	50.0	6.5	20.0
Isopropylbenzene	Ave	1.427	1.611	0.1000	56.4	50.0	12.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9757	1.013	0.3000	51.9	50.0	3.8	20.0
Bromobenzene	Ave	0.6798	0.7357		54.1	50.0	8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3196	0.2526		98.8	125	-20.9*	20.0
1,2,3-Trichloropropane	Ave	0.2940	0.3010		51.2	50.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-258274/3 Calibration Date: 05/23/2022 21:17

Instrument ID: 9915 Calib Start Date: 05/17/2022 13:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/17/2022 18:20

Lab File ID: LY23X32.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
N-Propylbenzene	Ave	3.177	3.532		55.6	50.0	11.2	20.0
2-Chlorotoluene	Ave	0.6447	0.7219		56.0	50.0	12.0	20.0
1,3,5-Trimethylbenzene	Ave	2.292	2.558		55.8	50.0	11.6	20.0
4-Chlorotoluene	Ave	0.6755	0.7511		55.6	50.0	11.2	20.0
tert-Butylbenzene	Ave	0.4384	0.5115		58.3	50.0	16.7	20.0
1,2,4-Trimethylbenzene	Ave	2.391	2.655		55.5	50.0	11.0	20.0
sec-Butylbenzene	Ave	2.744	3.097		56.4	50.0	12.8	20.0
1,3-Dichlorobenzene	Ave	1.308	1.453	0.6000	55.5	50.0	11.1	20.0
p-Isopropyltoluene	Ave	2.455	2.780		56.6	50.0	13.3	20.0
1,4-Dichlorobenzene	Ave	1.375	1.492	0.5000	54.2	50.0	8.5	20.0
1,2,3-Trimethylbenzene	Ave	2.501	2.777		55.5	50.0	11.0	20.0
Benzyl chloride	Ave	1.987	2.093		52.7	50.0	5.3	20.0
1,3-Diethylbenzene	Ave	1.476	1.657		56.2	50.0	12.3	20.0
1,4-Diethylbenzene	Ave	1.559	1.725		55.3	50.0	10.6	20.0
n-Butylbenzene	Ave	1.273	1.374		54.0	50.0	8.0	20.0
1,2-Dichlorobenzene	Ave	1.319	1.458	0.4000	55.3	50.0	10.5	20.0
1,2-Diethylbenzene	Ave	1.244	1.392		56.0	50.0	11.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2478	0.2402	0.0500	48.5	50.0	-3.1	20.0
1,3,5-Trichlorobenzene	Ave	0.9235	0.9580		51.9	50.0	3.7	20.0
1,2,4-Trichlorobenzene	Ave	0.9119	0.9091	0.2000	49.8	50.0	-0.3	20.0
Hexachlorobutadiene	Ave	0.3515	0.3479		49.5	50.0	-1.0	20.0
Naphthalene	Ave	3.344	3.153		47.1	50.0	-5.7	20.0
1,2,3-Trichlorobenzene	Ave	0.8901	0.8370		47.0	50.0	-6.0	20.0
2-Methylnaphthalene	Ave	1.789	1.255		35.1	50.0	-29.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2530	0.2508		49.6	50.0	-0.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0602	0.0603		50.0	50.0	0.0	20.0
Toluene-d8 (Surr)	Ave	1.338	1.321		49.4	50.0	-1.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5030	0.4853		48.2	50.0	-3.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-May-2022 21:17:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-003
Misc. Info.: CCVIS
Operator ID: MEC29284 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub56

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 21:55:35 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 21:43:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.062	2.062	0.000	99	283652	50.0	67.5	M
4 Chloromethane	50	2.271	2.271	0.000	99	307678	50.0	58.1	
6 Vinyl chloride	62	2.393	2.393	0.000	67	319719	50.0	59.7	
5 Butadiene	39	2.393	2.393	0.000	93	353569	50.0	68.1	
8 Bromomethane	94	2.744	2.744	0.000	90	242586	50.0	58.1	
9 Chloroethane	64	2.827	2.827	0.000	100	185191	50.0	58.2	
10 Dichlorofluoromethane	67	3.072	3.072	0.000	97	458842	50.0	57.8	
11 Trichlorofluoromethane	101	3.085	3.085	0.000	98	409282	50.0	62.9	M
12 Pentane	43	3.184	3.184	0.000	96	286641	50.0	50.5	
14 Ethyl ether	59	3.400	3.400	0.000	91	138654	50.0	38.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.496	3.496	0.000	93	266595	50.0	55.7	
16 Acrolein	56	3.580	3.580	0.000	99	709393	500.0	536.2	
17 1,1-Dichloroethene	96	3.725	3.725	0.000	98	193630	50.0	50.6	
18 Acetone	58	3.750	3.750	0.000	99	64010	100.0	117.9	M
19 112TCTFE	101	3.763	3.763	0.000	93	191218	50.0	54.9	
20 Iodomethane	142	3.930	3.930	0.000	99	352188	50.0	52.8	
21 Isopropyl alcohol	45	3.937	3.937	0.000	42	103014	250.0	240.9	
22 Carbon disulfide	76	4.033	4.033	0.000	100	576555	50.0	49.2	
24 Methyl acetate	43	4.191	4.191	0.000	98	233330	50.0	44.6	
25 3-Chloro-1-propene	41	4.223	4.223	0.000	89	321168	50.0	47.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.419	4.419	0.000	57	203025	250.0	250.0	
26 Methylene Chloride	84	4.422	4.422	0.000	94	237984	50.0	51.5	
28 2-Methyl-2-propanol	59	4.567	4.567	0.000	99	198421	250.0	251.1	
29 Acrylonitrile	53	4.763	4.763	0.000	99	310894	125.0	117.9	
31 Methyl tert-butyl ether	73	4.834	4.834	0.000	96	762039	50.0	49.5	
32 trans-1,2-Dichloroethene	96	4.834	4.834	0.000	98	236051	50.0	51.7	
33 Hexane	57	5.268	5.268	0.000	93	287039	50.0	55.7	
35 1,1-Dichloroethane	63	5.496	5.496	0.000	96	426577	50.0	51.6	
36 Isopropyl ether	45	5.554	5.554	0.000	92	724773	50.0	49.2	
37 2-Chloro-1,3-butadiene	53	5.602	5.602	0.000	92	354077	50.0	51.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	6.081	6.081	0.000	97	754041	50.0	49.6	
40 2-Butanone (MEK)	43	6.294	6.294	0.000	100	348395	100.0	94.5	
41 cis-1,2-Dichloroethene	96	6.326	6.326	0.000	83	264662	50.0	53.0	
42 2,2-Dichloropropane	77	6.339	6.339	0.000	92	381105	50.0	53.1	
44 Propionitrile	54	6.380	6.380	0.000	99	251048	250.0	276.4	
45 Methacrylonitrile	67	6.596	6.596	0.000	92	368967	125.0	122.8	
46 Chlorobromomethane	128	6.654	6.654	0.000	91	142104	50.0	54.1	
47 Tetrahydrofuran	71	6.657	6.657	0.000	91	239302	250.0	279.5	
48 Chloroform	83	6.798	6.798	0.000	94	448584	50.0	53.6	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	92	262009	50.0	49.6	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	98	391129	50.0	54.6	
51 Cyclohexane	56	7.123	7.123	0.000	92	363980	50.0	56.0	
52 Carbon tetrachloride	117	7.232	7.232	0.000	95	337296	50.0	57.8	
53 1,1-Dichloropropene	75	7.236	7.236	0.000	94	342773	50.0	53.5	
54 Isobutyl alcohol	41	7.387	7.387	0.000	93	168524	625.0	637.0	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.464	7.464	0.000	96	62992	50.0	50.0	
56 Benzene	78	7.499	7.499	0.000	97	980686	50.0	52.9	
57 1,2-Dichloroethane	62	7.570	7.570	0.000	98	380906	50.0	50.9	
59 Tert-amyl methyl ether	73	7.686	7.686	0.000	98	788785	50.0	51.3	
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1044771	50.0	50.0	
62 n-Heptane	43	7.914	7.914	0.000	90	304728	50.0	54.9	
63 n-Butanol	56	8.261	8.261	0.000	91	132593	625.0	666.0	
64 Trichloroethene	95	8.377	8.377	0.000	98	267775	50.0	54.6	
65 Methylcyclohexane	83	8.689	8.689	0.000	91	418299	50.0	59.9	
67 1,2-Dichloropropane	63	8.708	8.708	0.000	80	268493	50.0	52.6	
66 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	91	403298	50.0	53.0	
68 Methyl methacrylate	69	8.789	8.789	0.000	89	243454	50.0	50.0	
69 1,4-Dioxane	88	8.789	8.789	0.000	55	43759	625.0	677.6	M
70 Dibromomethane	93	8.824	8.824	0.000	95	193504	50.0	53.8	
72 Dichlorobromomethane	83	9.049	9.049	0.000	99	344537	50.0	53.7	
73 2-Nitropropane	41	9.319	9.319	0.000	99	581059	250.0	300.6	
74 2-Chloroethyl vinyl ether	63	9.403	9.403	0.000	91	217050	50.0	49.6	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	95	446057	50.0	53.1	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	794272	100.0	102.2	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1083769	50.0	49.4	
79 Toluene	92	9.962	9.962	0.000	97	655860	50.0	54.5	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	95	425521	50.0	51.7	
85 Ethyl methacrylate	69	10.264	10.264	0.000	89	435232	50.0	50.5	
86 1,1,2-Trichloroethane	97	10.412	10.412	0.000	91	262508	50.0	52.8	
87 Tetrachloroethene	166	10.499	10.499	0.000	95	269770	50.0	57.1	
88 1,3-Dichloropropane	76	10.570	10.570	0.000	91	438652	50.0	51.4	
90 2-Hexanone	43	10.621	10.621	0.000	98	591558	100.0	101.4	
92 Chlorodibromomethane	129	10.782	10.782	0.000	90	293787	50.0	54.4	
93 Ethylene Dibromide	107	10.891	10.891	0.000	98	290970	50.0	53.2	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	820299	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	97	365956	50.0	53.7	
97 Chlorobenzene	112	11.348	11.348	0.000	95	769369	50.0	54.4	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	96	270636	50.0	55.6	
99 Ethylbenzene	91	11.432	11.432	0.000	98	1316125	50.0	54.9	
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	99	1038704	100.0	111.6	
101 o-Xylene	106	11.872	11.872	0.000	96	522861	50.0	55.8	
102 Styrene	104	11.885	11.885	0.000	94	881759	50.0	55.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	12.043	12.043	0.000	94	205423	50.0	53.3	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	1321364	50.0	56.4	
$ 107 4-Bromofluorobenzene (Surr)	95	12.309	12.309	0.000	87	398112	50.0	48.2	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	444526	50.0	51.9	
109 Bromobenzene	156	12.428	12.428	0.000	97	323000	50.0	54.1	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	84	277293	125.0	98.8	
111 1,2,3-Trichloropropane	110	12.454	12.454	0.000	85	132137	50.0	51.2	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	1550727	50.0	55.6	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	316930	50.0	56.0	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	1123130	50.0	55.8	
115 4-Chlorotoluene	126	12.666	12.666	0.000	98	329743	50.0	55.6	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	224555	50.0	58.3	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	1165619	50.0	55.5	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	1359579	50.0	56.4	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	637883	50.0	55.5	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	1220522	50.0	56.6	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	95	439037	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.206	13.206	0.000	93	655036	50.0	54.2	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	99	1218987	50.0	55.5	
126 Benzyl chloride	91	13.280	13.280	0.000	99	918734	50.0	52.7	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	727693	50.0	56.2	
128 p-Diethylbenzene	119	13.409	13.409	0.000	94	757310	50.0	55.3	
129 n-Butylbenzene	92	13.428	13.428	0.000	97	603227	50.0	54.0	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	639926	50.0	55.3	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	611216	50.0	56.0	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.004	0.000	82	105439	50.0	48.5	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	420606	50.0	51.9	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	399141	50.0	49.8	
136 Hexachlorobutadiene	225	14.634	14.634	0.000	97	152744	50.0	49.5	
137 Naphthalene	128	14.737	14.737	0.000	97	1384389	50.0	47.1	
138 1,2,3-Trichlorobenzene	180	14.882	14.882	0.000	95	367489	50.0	47.0	
139 2-Methylnaphthalene	142	15.522	15.522	0.000	91	550937	50.0	35.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00069	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00066	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00070	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00001	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00198	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00008	Amount Added:	1.00	Units: uL	Run Reagent

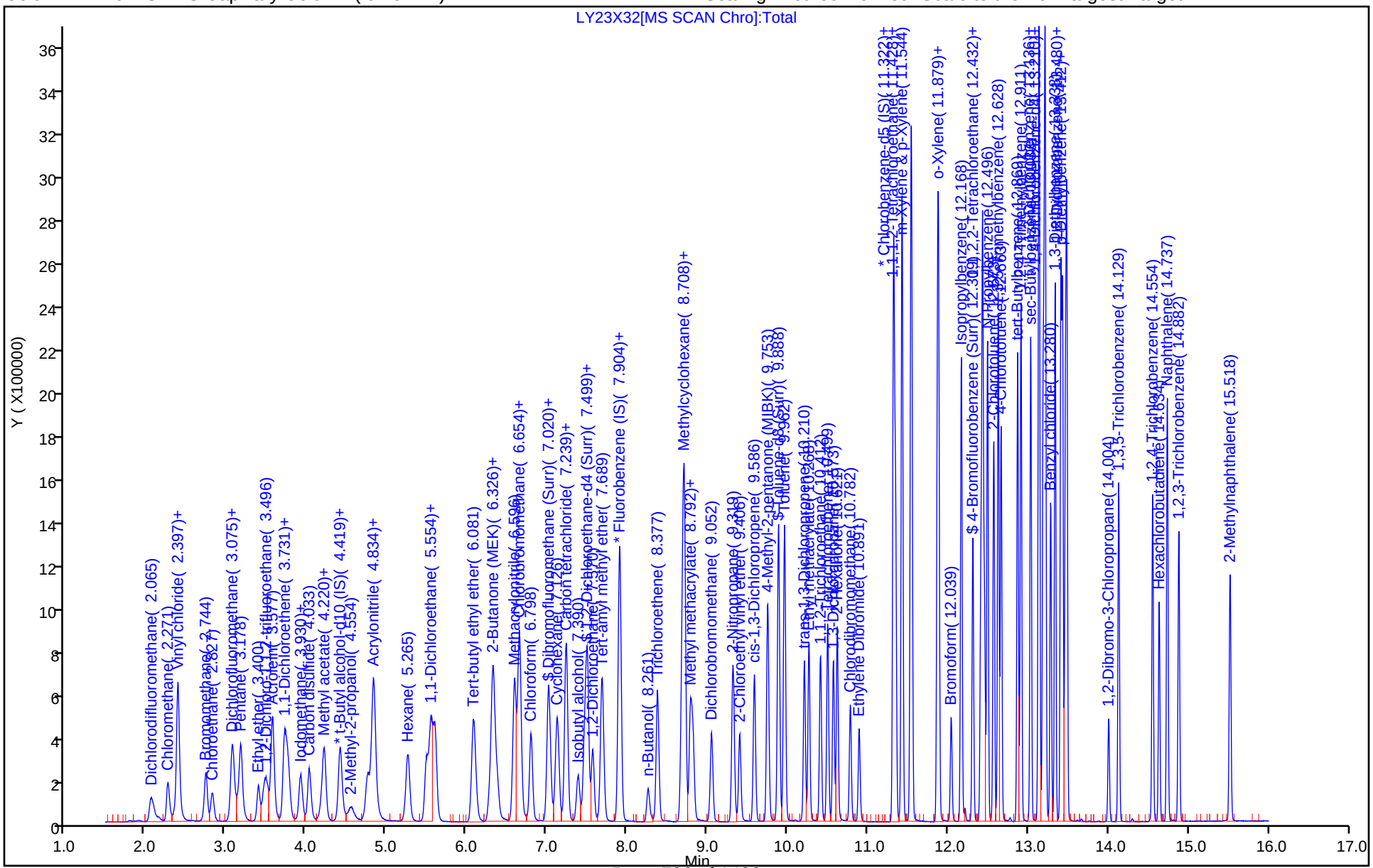
Report Date: 23-May-2022 21:55:37 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D

Injection Date:	23-May-2022 21:17:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

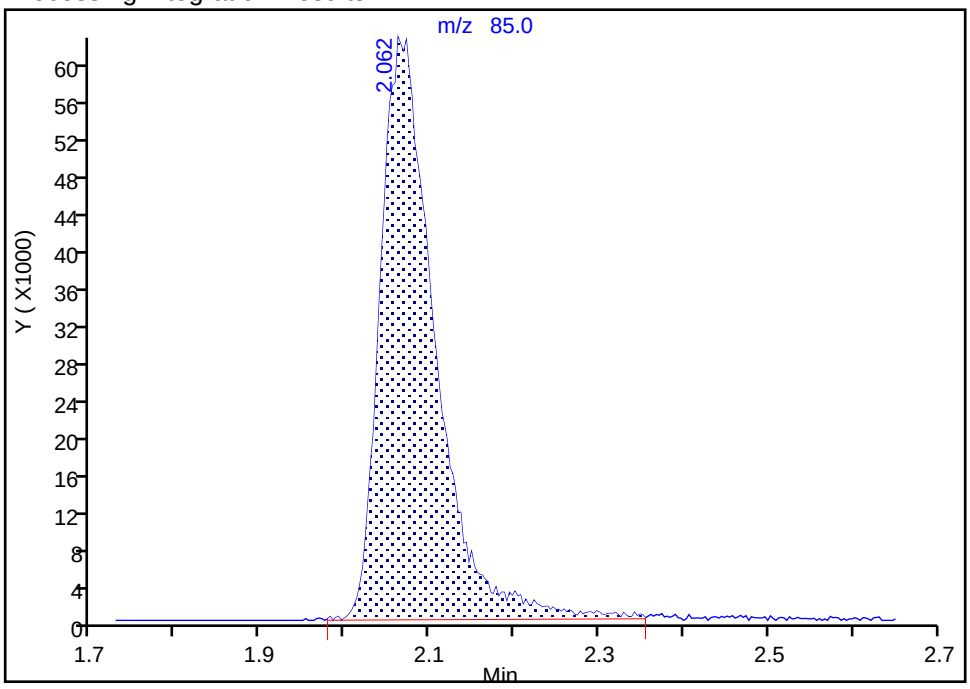
Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D
Injection Date: 23-May-2022 21:17:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

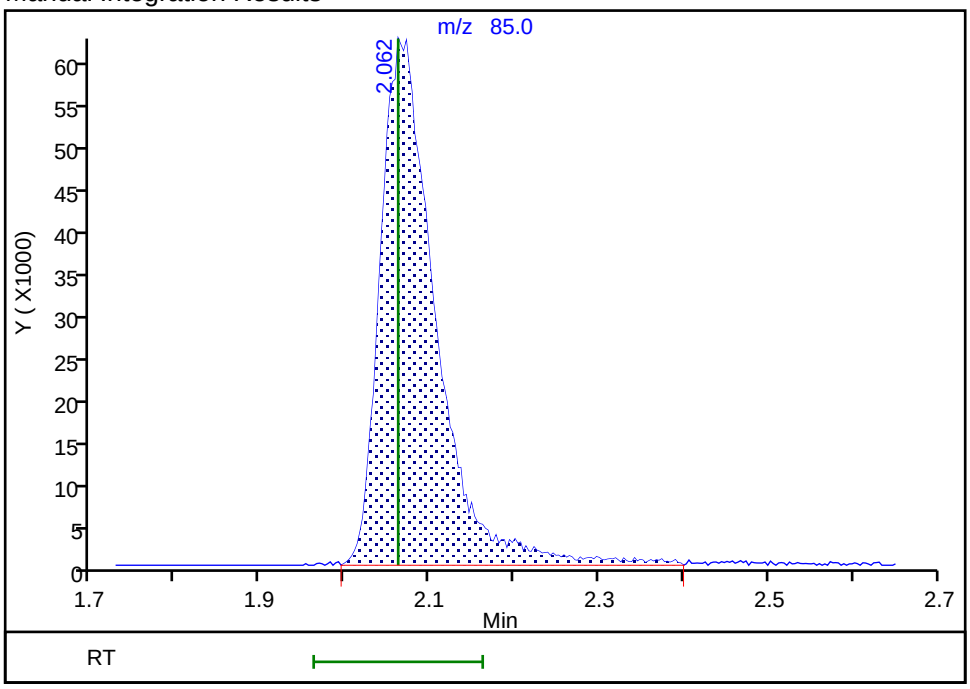
Processing Integration Results

RT: 2.06
Area: 280550
Amount: 66.773249
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 283652
Amount: 67.511551
Amount Units: ug/l



Reviewer: campbellme, 23-May-2022 21:42:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

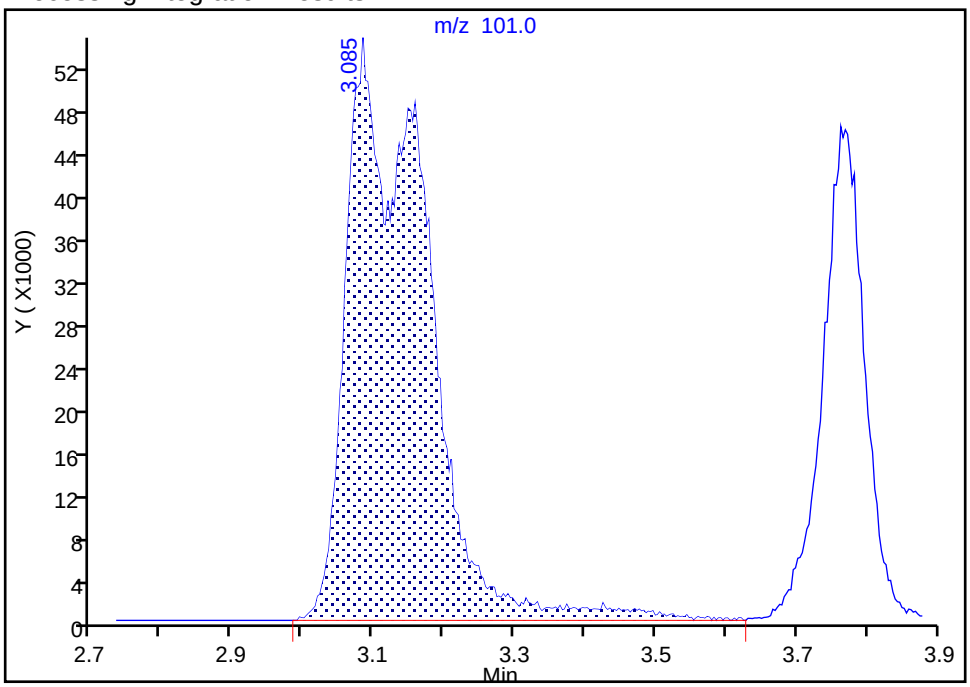
Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D
Injection Date: 23-May-2022 21:17:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

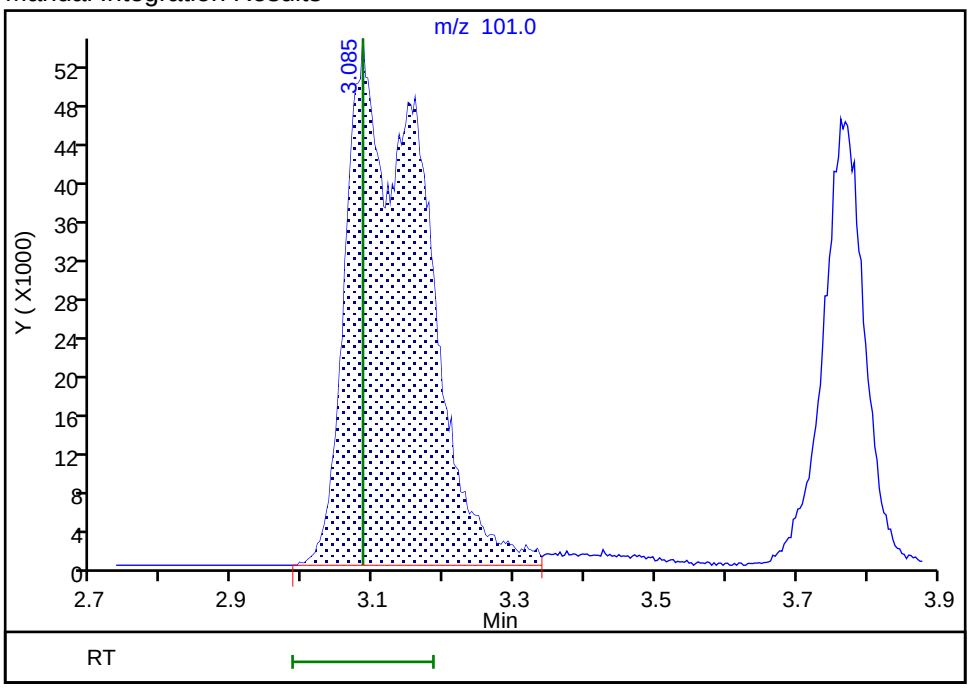
Processing Integration Results

RT: 3.08
Area: 421144
Amount: 64.699193
Amount Units: ug/l



Manual Integration Results

RT: 3.08
Area: 409282
Amount: 62.876867
Amount Units: ug/l



Reviewer: campbellme, 23-May-2022 21:42:26
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

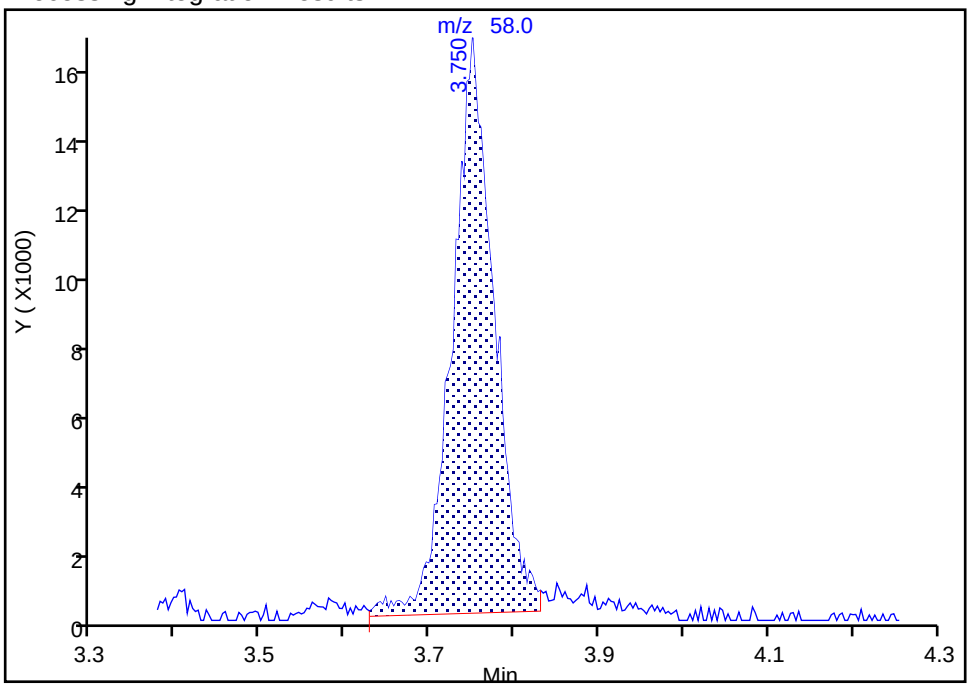
Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D
Injection Date: 23-May-2022 21:17:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

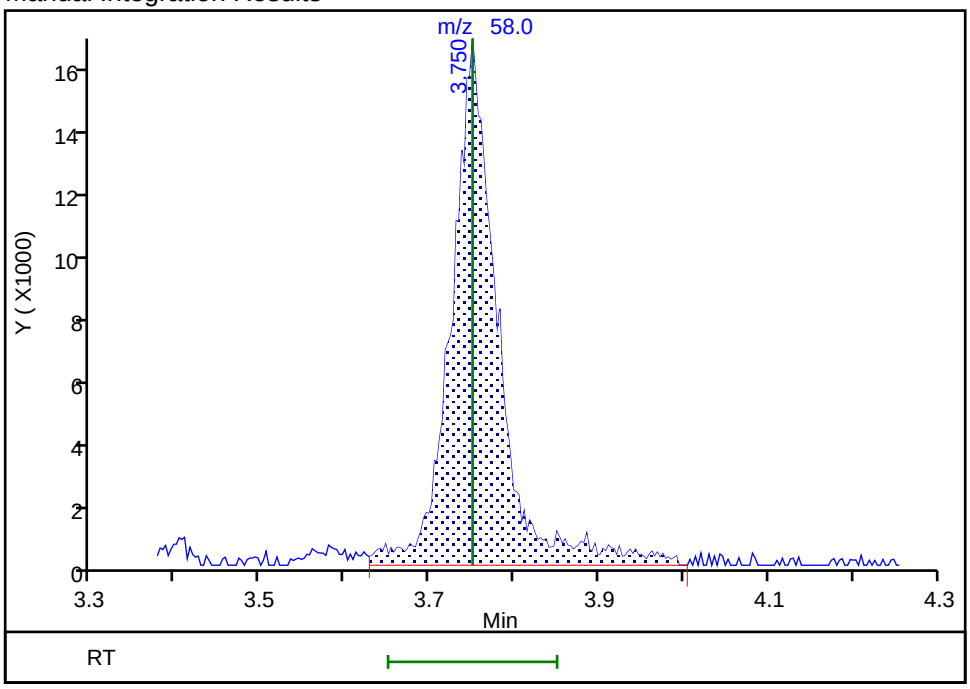
Processing Integration Results

RT: 3.75
Area: 56855
Amount: 104.6825
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 64010
Amount: 117.8565
Amount Units: ug/l



Reviewer: campbellme, 23-May-2022 21:42:44
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

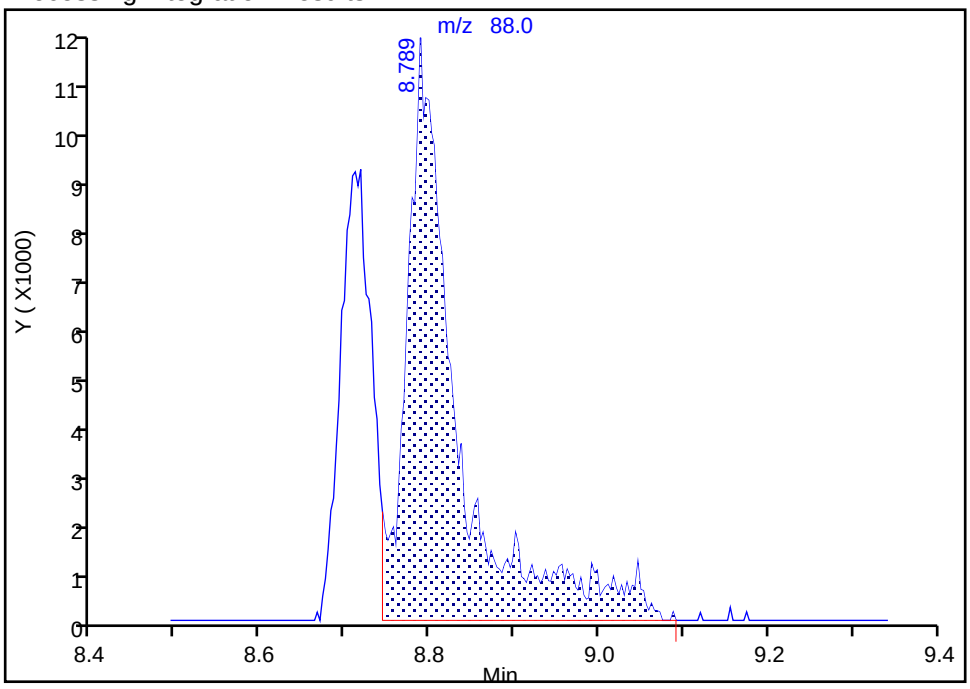
Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X32.D
Injection Date: 23-May-2022 21:17:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

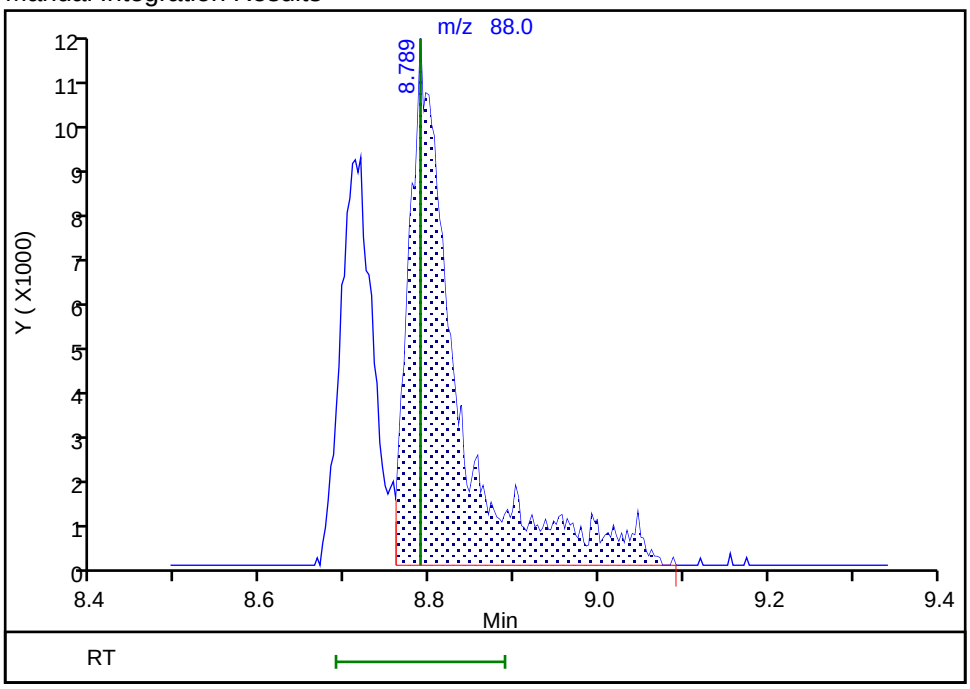
Processing Integration Results

RT: 8.79
Area: 45436
Amount: 703.5473
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 43759
Amount: 677.5800
Amount Units: ug/l



Reviewer: campbellme, 23-May-2022 21:43:03
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-May-2022 11:07:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0057379-001				
Misc. Info.:	BFB				
Operator ID:	CLM27445	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	17-May-2022 19:18:20	Calib Date:	17-May-2022 18:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1658				
First Level Reviewer: mellingerc		Date:	17-May-2022 11:21:04		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.825	4.825	0.000	0	334359	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

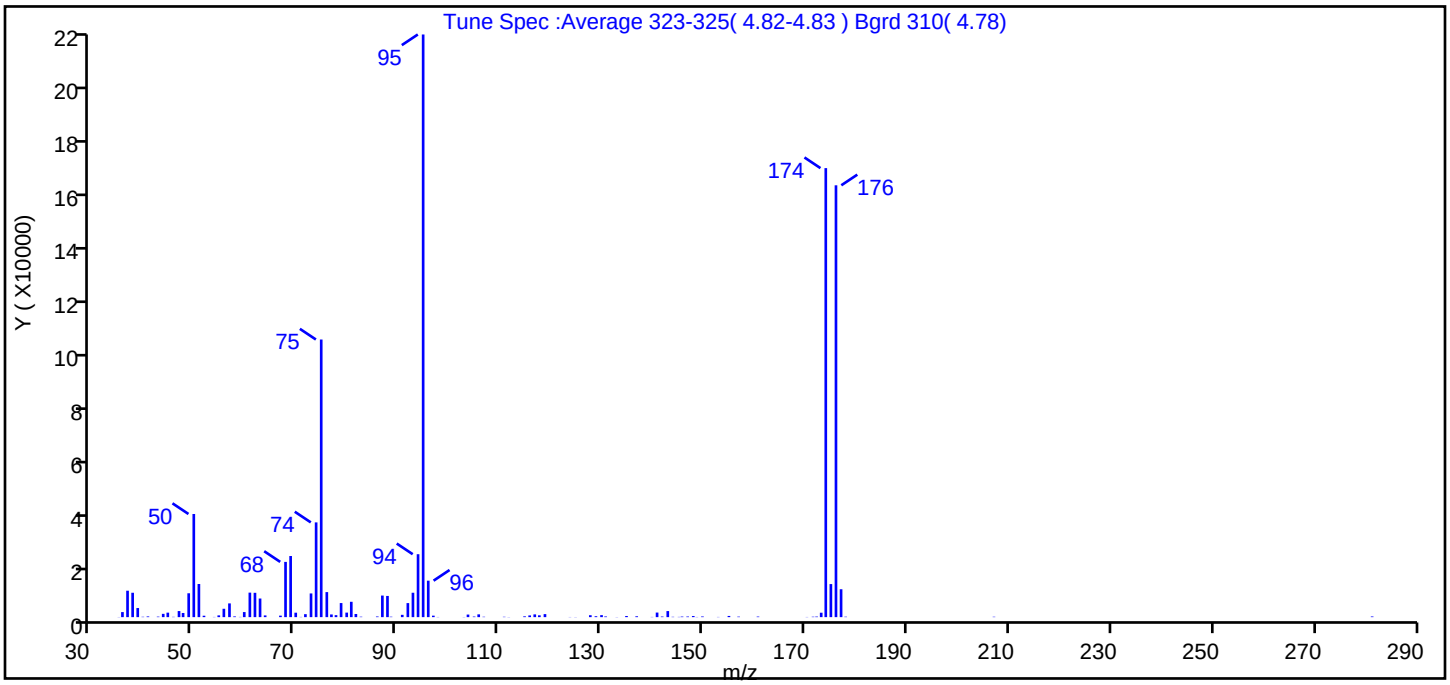
MSV_V_BFB_00007 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17T01.D				
Injection Date:	17-May-2022 11:07:30	Instrument ID:	9915		
Lims ID:	bfb				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.7
75	30 to 60% of m/z 95	47.6
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	77.1
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.1 (96.2)
177	5 to 9% of m/z 176	4.8 (6.5)

Data File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 17-May-2022 11:07:30
Spectrum: Tune Spec :Average 323-325(4.82-4.83) Bgrd 310(4.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

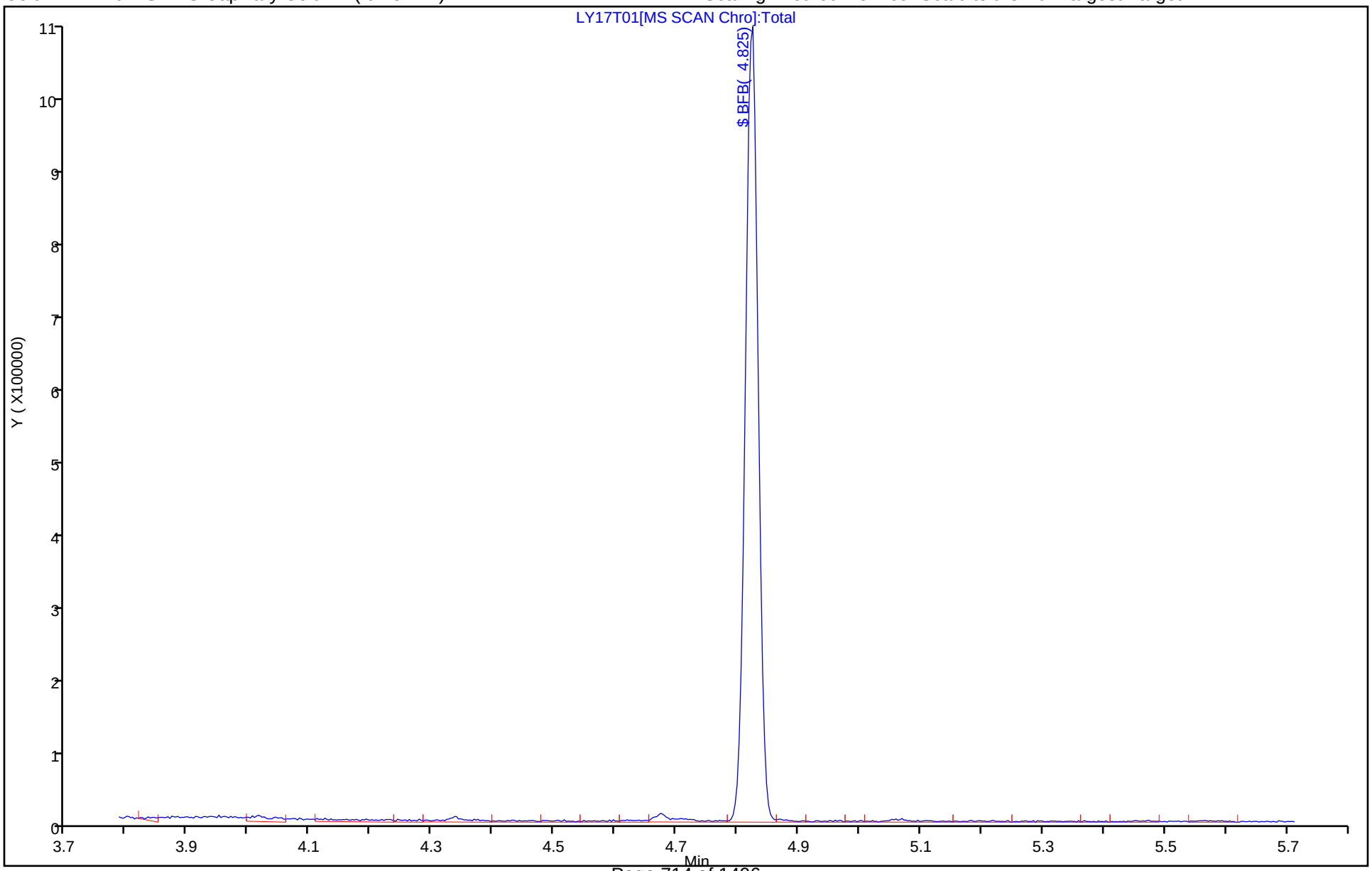
m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	58	63.00	6938	94.00	23448	140.00	77
36.00	1883	64.00	643	95.00	217088	141.00	1707
37.00	9845	67.00	557	96.00	13588	142.00	222
38.00	9085	68.00	20584	97.00	551	143.00	2258
39.00	3394	69.00	22776	98.00	64	144.00	124
40.00	135	70.00	1657	103.00	55	145.00	91
41.00	265	71.00	80	104.00	962	146.00	210
43.00	192	72.00	1111	105.00	218	147.00	229
44.00	1229	73.00	8832	106.00	1038	148.00	408
45.00	1671	74.00	35304	107.00	144	149.00	66
46.00	111	75.00	103440	111.00	132	150.00	247
47.00	2270	76.00	9331	112.00	54	153.00	75
48.00	1548	77.00	1002	115.00	300	155.00	445
49.00	8894	78.00	744	116.00	638	157.00	192
50.00	38432	79.00	5249	117.00	1030	161.00	215
51.00	12349	80.00	1688	118.00	679	170.00	67
52.00	526	81.00	5721	119.00	1129	172.00	159
54.00	72	82.00	1174	124.00	61	172.00	214
55.00	654	83.00	165	125.00	55	173.00	1650
56.00	3120	86.00	247	128.00	715	174.00	167296
57.00	5121	87.00	8042	129.00	342	175.00	12321
58.00	272	88.00	7900	130.00	748	176.00	160896
59.00	82	89.00	165	131.00	253	177.00	10397
60.00	1890	91.00	861	133.00	55	178.00	161
61.00	9134	92.00	5234	135.00	423	207.00	144
62.00	9067	93.00	9092	137.00	322	281.00	250

Report Date: 17-May-2022 19:18:21 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17T01.D				
Injection Date:	17-May-2022 11:07:30	Instrument ID:	9915	Operator ID:	CLM27445
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-May-2022 20:36:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: BFB
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 21:55:33 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.822	4.822	0.000	0	367058	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

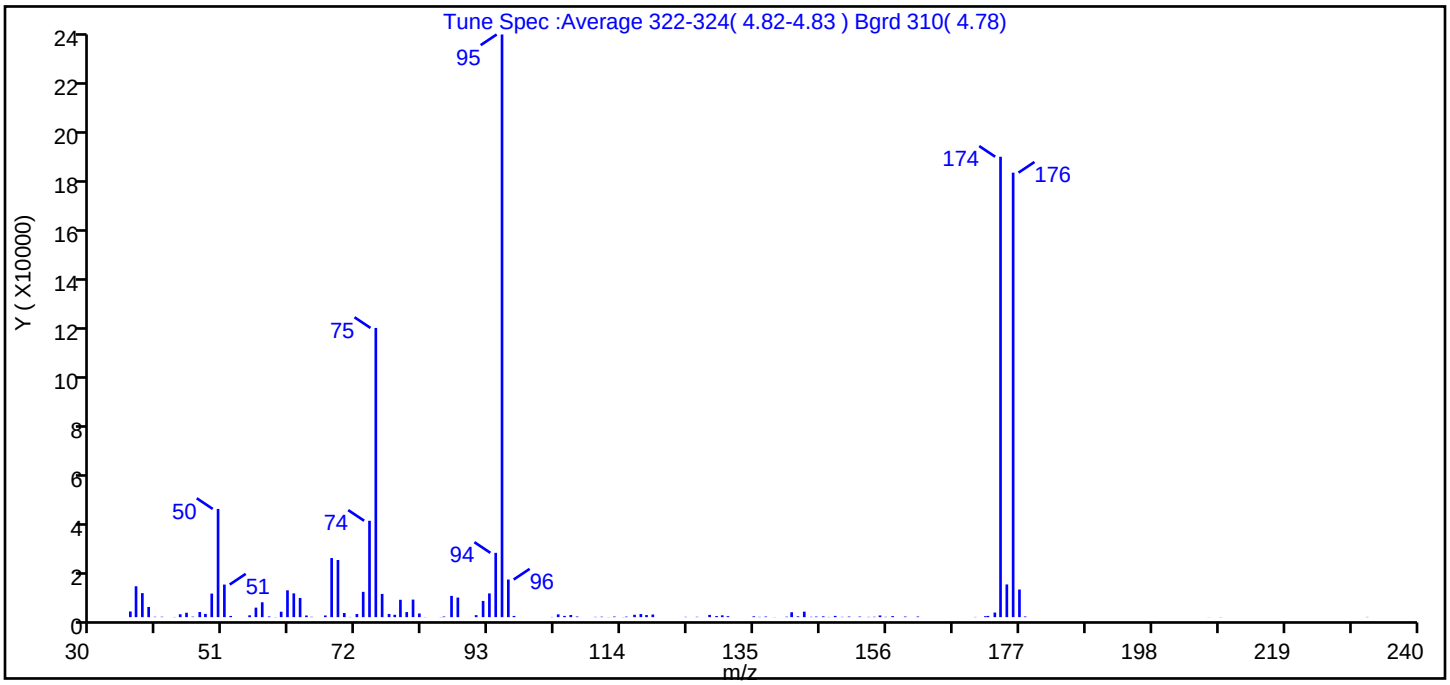
MSV_V_BFB_00007 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23T31.D				
Injection Date:	23-May-2022 20:36:30	Instrument ID:	9915		
Lims ID:	BFB				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.6
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	79.0
175	5 to 9% of m/z 174	5.6 (7.1)
176	Greater than 95% but less than 101% of m/z 174	76.3 (96.5)
177	5 to 9% of m/z 176	4.7 (6.2)

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23T31.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 23-May-2022 20:36:30
Spectrum: Tune Spec :Average 322-324(4.82-4.83) Bgrd 310(4.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

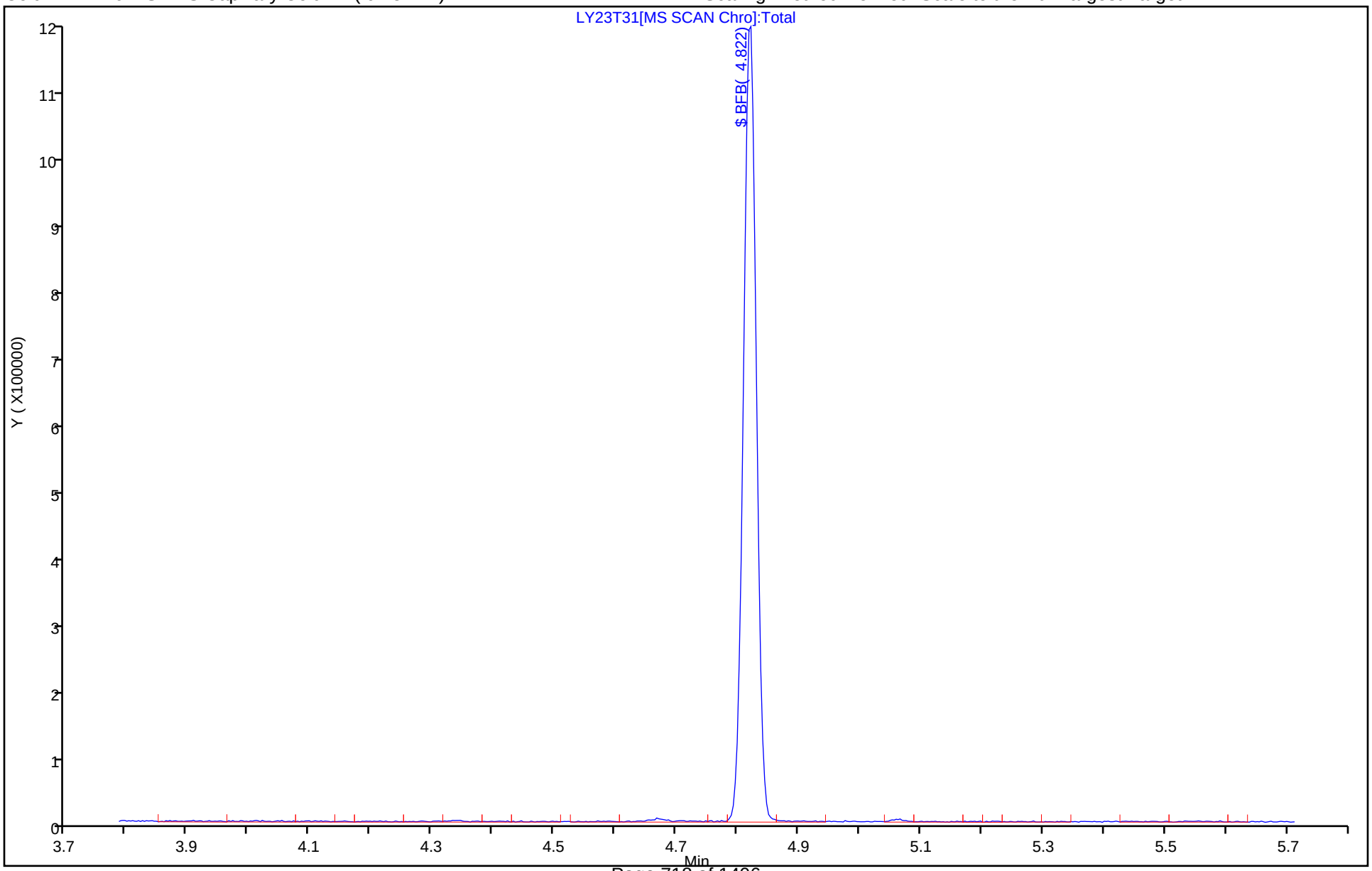
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2325	68.00	24224	104.00	1137	144.00	138
37.00	12659	69.00	23432	105.00	504	145.00	238
38.00	9845	70.00	1703	106.00	879	146.00	332
39.00	4167	71.00	83	107.00	257	147.00	84
40.00	156	72.00	1277	110.00	115	148.00	507
41.00	163	73.00	10376	111.00	178	149.00	120
43.00	73	74.00	39504	112.00	56	150.00	232
44.00	1182	75.00	118552	113.00	241	152.00	225
45.00	1804	76.00	9532	114.00	56	153.00	114
46.00	192	77.00	1313	115.00	212	154.00	154
47.00	2092	78.00	966	116.00	963	155.00	697
48.00	1328	79.00	7117	117.00	1279	156.00	131
49.00	9658	80.00	2084	118.00	857	157.00	419
50.00	44360	81.00	7196	119.00	1075	159.00	247
51.00	13357	82.00	1498	124.00	126	161.00	267
52.00	500	83.00	65	126.00	143	170.00	84
55.00	754	85.00	65	128.00	933	172.00	384
56.00	3899	86.00	254	129.00	461	172.00	500
57.00	6096	87.00	8717	130.00	746	173.00	1878
58.00	270	88.00	8015	131.00	395	174.00	188736
59.00	52	91.00	818	135.00	337	175.00	13403
60.00	2228	92.00	6648	136.00	118	176.00	182208
61.00	11006	93.00	9730	137.00	248	177.00	11331
62.00	9748	94.00	26360	138.00	50	178.00	275
63.00	7873	95.00	238848	140.00	176	207.00	42
64.00	680	96.00	15415	141.00	2004	209.00	59
65.00	134	97.00	499	142.00	319	232.00	89
67.00	682	103.00	87	143.00	2253		

Report Date: 23-May-2022 21:55:34 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23T31.D				
Injection Date:	23-May-2022 20:36:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-258274/7

Matrix: Water Lab File ID: LY23X36.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 22:45

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.: 258274 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	0.30
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	0.40
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		1.0	0.20
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.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-258274/7

Matrix: Water Lab File ID: LY23X36.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 22:45

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.: 258274 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		1.0	0.30
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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\9915\20220523-57907.b\LY23X36.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-May-2022 22:45:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-007
Misc. Info.: MB
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 23:08:23 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 23:08:23

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		2.027					ND	
2	Dichlorodifluoromethane	85		2.062					ND	
3	Chlorodifluoromethane	51		2.085					ND	
4	Chloromethane	50		2.271					ND	
6	Vinyl chloride	62		2.393					ND	
5	Butadiene	39		2.393					ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.484					ND	
8	Bromomethane	94		2.744					ND	
9	Chloroethane	64		2.827					ND	
10	Dichlorofluoromethane	67		3.072					ND	
11	Trichlorofluoromethane	101		3.085					ND	
12	Pentane	43		3.184					ND	7
13	Ethanol	45		3.262					ND	
14	Ethyl ether	59		3.400					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.496					ND	
16	Acrolein	56		3.580					ND	
17	1,1-Dichloroethene	96		3.725					ND	7
18	Acetone	58		3.750					ND	
19	112TCTFE	101		3.763					ND	
20	Iodomethane	142		3.930					ND	
21	Isopropyl alcohol	45		3.937					ND	7
22	Carbon disulfide	76		4.033					ND	
23	Acetonitrile	41		4.149					ND	7
24	Methyl acetate	43		4.191					ND	
25	3-Chloro-1-propene	41		4.223					ND	7
* 27	t-Butyl alcohol-d10 (IS)	65	4.425	4.419	0.006	48	207612	250.0	250.0	
26	Methylene Chloride	84		4.422					ND	
28	2-Methyl-2-propanol	59		4.567					ND	
29	Acrylonitrile	53		4.763					ND	
31	Methyl tert-butyl ether	73		4.834					ND	
32	trans-1,2-Dichloroethene	96		4.834					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	33 Hexane	57		5.268					ND	
	35 1,1-Dichloroethane	63		5.496					ND	
	34 Vinyl acetate	43		5.496					ND	
	36 Isopropyl ether	45		5.554					ND	7
	37 2-Chloro-1,3-butadiene	53		5.602					ND	
	38 Tert-butyl ethyl ether	59		6.081					ND	
S	39 1,2-Dichloroethene, Total	100		6.155					ND	7
	40 2-Butanone (MEK)	43		6.294					ND	
	41 cis-1,2-Dichloroethene	96		6.326					ND	
	42 2,2-Dichloropropane	77		6.339					ND	
	43 Ethyl acetate	43		6.358					ND	
	44 Propionitrile	54		6.380					ND	
	45 Methacrylonitrile	67		6.596					ND	
	46 Chlorobromomethane	128		6.654					ND	
	47 Tetrahydrofuran	71		6.657					ND	
	48 Chloroform	83		6.798					ND	
$	49 Dibromofluoromethane (Surr)	113	7.014	7.017	-0.003	92	256541	50.0	49.9	
	50 1,1,1-Trichloroethane	97		7.027					ND	
	51 Cyclohexane	56		7.123					ND	
	52 Carbon tetrachloride	117		7.232					ND	
	53 1,1-Dichloropropene	75		7.236					ND	
	54 Isobutyl alcohol	41		7.387					ND	
$	55 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.464	0.006	97	60635	50.0	49.5	
	56 Benzene	78		7.499					ND	
	57 1,2-Dichloroethane	62		7.570					ND	7
	58 Isopropyl acetate	43		7.580					ND	
	59 Tert-amyl methyl ether	73		7.686					ND	
	60 t-Amyl alcohol	73	7.853	7.827	0.026	1	48		NC	
*	61 Fluorobenzene (IS)	96	7.904	7.901	0.003	99	1016434	50.0	50.0	
	62 n-Heptane	43		7.914					ND	7
	63 n-Butanol	56		8.261					ND	
	64 Trichloroethene	95		8.377					ND	
	65 Methylcyclohexane	83		8.689					ND	
	67 1,2-Dichloropropane	63		8.708					ND	
	66 2-ethoxy-2-methyl butane	87		8.711					ND	
	68 Methyl methacrylate	69		8.789					ND	
	69 1,4-Dioxane	88		8.789					ND	
	70 Dibromomethane	93		8.824					ND	
	71 n-Propyl acetate	61		8.872					ND	
	72 Dichlorobromomethane	83		9.049					ND	
	73 2-Nitropropane	41		9.319					ND	
	74 2-Chloroethyl vinyl ether	63		9.403					ND	
	75 cis-1,3-Dichloropropene	75		9.586					ND	
	77 4-Methyl-2-pentanone (MIBK)	43		9.753					ND	
$	78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1037856	50.0	49.7	
	79 Toluene	92		9.962					ND	7
S	83 1,3-Dichloropropene, Total	100		10.060					ND	7
	84 trans-1,3-Dichloropropene	75		10.210					ND	
	85 Ethyl methacrylate	69		10.264					ND	
	86 1,1,2-Trichloroethane	97		10.412					ND	
	87 Tetrachloroethene	166		10.499					ND	
	88 1,3-Dichloropropane	76		10.570					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 3,4-Dichloro-1-butene	75		10.609					ND	
90 2-Hexanone	43		10.621					ND	7
91 n-Butyl acetate	43		10.734					ND	
92 Chlorodibromomethane	129		10.782					ND	
93 Ethylene Dibromide	107		10.891					ND	
S 94 Xylenes, Total	106		11.245					ND	7
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	86	779645	50.0	50.0	
96 1-Chlorohexane	91		11.326					ND	U
97 Chlorobenzene	112		11.348					ND	7
98 1,1,1,2-Tetrachloroethane	131		11.425					ND	
99 Ethylbenzene	91		11.432					ND	
100 m-Xylene & p-Xylene	106		11.544					ND	
101 o-Xylene	106		11.872					ND	
102 Styrene	104		11.885					ND	
103 Bromoform	173		12.043					ND	
104 Isopropylbenzene	105		12.168					ND	7
105 cis-1,4-Dichloro-2-butene	88		12.213					ND	U
106 Cyclohexanone	55		12.242					ND	7
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	89	375432	50.0	47.9	
108 1,1,2,2-Tetrachloroethane	83		12.409					ND	7
109 Bromobenzene	156		12.428					ND	
110 trans-1,4-Dichloro-2-butene	53		12.435					ND	7
111 1,2,3-Trichloropropane	110		12.454					ND	
112 N-Propylbenzene	91		12.496					ND	7
113 2-Chlorotoluene	126		12.573					ND	
114 1,3,5-Trimethylbenzene	105		12.628					ND	7
115 4-Chlorotoluene	126		12.666					ND	
116 2,3,4-Trichlorobutene	109		12.699					ND	
117 tert-Butylbenzene	134		12.869					ND	
118 Pentachloroethane	167		12.904					ND	
119 1,2,4-Trimethylbenzene	105		12.911					ND	7
120 sec-Butylbenzene	105		13.033					ND	7
121 1,3-Dichlorobenzene	146		13.133					ND	7
122 4-Isopropyltoluene	119		13.139					ND	7
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	414002	50.0	50.0	
124 1,4-Dichlorobenzene	146		13.206					ND	7
125 1,2,3-Trimethylbenzene	105		13.216					ND	7
126 Benzyl chloride	91		13.280					ND	7
127 1,3-Diethylbenzene	119		13.338					ND	7
128 p-Diethylbenzene	119		13.409					ND	7
129 n-Butylbenzene	92		13.428					ND	7
130 1,2-Dichlorobenzene	146		13.467					ND	7
131 o-diethylbenzene	119		13.483					ND	7
132 Hexachloroethane	201		13.560					ND	
133 1,2-Dibromo-3-Chloropropane	75		14.004					ND	
134 1,3,5-Trichlorobenzene	180		14.129					ND	7
135 1,2,4-Trichlorobenzene	180	14.547	14.554	-0.007	1	1159		0.1535	
136 Hexachlorobutadiene	225		14.634					ND	7
137 Naphthalene	128		14.737					ND	7
138 1,2,3-Trichlorobenzene	180		14.882					ND	7
139 2-Methylnaphthalene	142		15.522					ND	7
140 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
216 C4-C12	1		0.000					ND	
177 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
160 N-Nitrosodi-n-butylamine TIC	1		0.000					ND	
161 2,3-Dibromo-1-propanol TIC	1		0.000					ND	
162 Propene oxide TIC	1		0.000					ND	
163 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
164 1-Methyl-2-pyrrilidinone TIC	1		0.000					ND	
165 n-Propylamine (TIC)	1		0.000					ND	
166 beta-Propiolactone TIC	1		0.000					ND	
168 n-butyl Acetate TIC	1		0.000					ND	
223 3-Methyl-1-butene	1		0.000					ND	
176 Nitrobenzene TIC	1		0.000					ND	
170 Ethanol TIC	1		0.000					ND	
171 1-Chlorobutane TIC	1		0.000					ND	
172 Epichlorohydrin TIC	1		0.000					ND	
173 Monochloroacetic acid TIC	1		0.000					ND	
174 Propargyl alcohol TIC	1		0.000					ND	
175 Pentafluorobenzene TIC	1		0.000					ND	
159 1,2,3,4-Diepoxybutane (TIC)	1		0.000					ND	
158 Propene oxide	1		0.000					ND	
157 1-Chlorobutane	1		0.000					ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
169 o-toluidine TIC	1		0.000					ND	
224 Propanol	1		0.000					ND	
225 n-Nonane	1		0.000					ND	
226 Isobutyl acetate	43		0.000					ND	
249 n-Nonane TIC	1		0.000					ND	
248 Diethoxymethane TIC	1		0.000					ND	
247 Tetranitromethane TIC	1		0.000					ND	
246 Chlorotrifluoromethane TIC	1		0.000					ND	
245 n-Octane TIC	1		0.000					ND	
244 divinyl benzene TIC	1		0.000					ND	
243 Methyl Isothiocyanate TIC	1		0.000					ND	
242 Thiophene TIC	1		0.000					ND	
241 tert-amyl alcohol TIC	1		0.000					ND	
240 Limonene TIC	1		0.000					ND	
239 1,2,4,5-Tetramethylbenzene TIC	1		0.000					ND	
238 Hexachlorobenzene TIC	1		0.000					ND	
237 Decane TIC	1		0.000					ND	
236 Furan TIC	1		0.000					ND	
235 4-Ethyltoluene TIC	1		0.000					ND	
234 tert-Butyl acetate TIC	1		0.000					ND	
233 Dichloro-1,1,2,	1		0.000					ND	
232 Undecane TIC	1		0.000					ND	
S 231 Total BTEX	1		0.000					ND	
230 sec-Butyl Alcohol	45		0.000					ND	
229 4-Ethyltoluene	1		0.000					ND	
228 Undecane	1		0.000					ND	
227 n-Octane	1		0.000					ND	
141 Methyl acrylate	1		0.000					ND	
250 Methyal TIC	1		0.000					ND	
142 C6-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
144 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
212 1-Bromopropane TIC	1		0.000					ND	
213 Bromoacetone (TIC)	1		0.000					ND	
214 Methanol TIC	1		0.000					ND	
198 2-Bromo-3-chloropropene TIC	1		0.000					ND	
197 Propane TIC	1		0.000					ND	
196 Ethyl Acetate TIC	1		0.000					ND	
195 Vinyl bromide TIC	1		0.000					ND	
180 Bis(2-chloroethyl)sulfide (TIC)	1		0.000					ND	
181 Malononitrile (TIC)	1		0.000					ND	
182 Epibromohydrin TIC	1		0.000					ND	
211 Paraldehyde TIC	1		0.000					ND	
183 2-Picoline (TIC)	1		0.000					ND	
185 Vinyl acetate (TIC)	1		0.000					ND	
186 2-Bromoethanol TIC	1		0.000					ND	
187 2-Methylbutane TIC	1		0.000					ND	
188 Ethyl ether TIC	1		0.000					ND	
189 Propanol TIC	1		0.000					ND	
190 Acetonitrile TIC	1		0.000					ND	
191 2-Chloroethanol TIC	1		0.000					ND	
192 1,3-Dichlorobutene-2(total) TIC	1		0.000					ND	
193 Allyl Alcohol TIC	1		0.000					ND	
194 2,3-Dibromopropene TIC	1		0.000					ND	
184 Chloroacetaldehyde TIC	1		0.000					ND	
210 Ethylene oxide TIC	1		0.000					ND	
209 1-Bromo-2-chloroethane TIC	1		0.000					ND	
215 2-Pentanone (TIC)	1		0.000					ND	
S 145 Total Diethylbenzene	1		0.000					ND	7
146 C5-C12	1		0.000					ND	
147 tert-Butyl Formate	1		0.000					ND	
148 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
149 1,4-Divinylbenzene	1		0.000					ND	
150 n-Decane	57		0.000					ND	
151 Methylal	1		0.000					ND	
S 152 divinyl benzene	1		0.000					ND	7
153 Chloroacetonitrile	1		0.000					ND	
154 1,3-Divinylbenzene	1		0.000					ND	
155 Butane	1		0.000					ND	
167 Ethyl acrylate	55		0.000					ND	
178 Bromoethane TIC	1		0.000					ND	
206 Chloral hydrate (TIC)	1		0.000					ND	
179 1,3-Dichloro-2-propanol TIC	1		0.000					ND	
199 3-Chloro-1,2-propanediol TIC	1		0.000					ND	
200 Chlorodifluoromethane TIC	1		0.000					ND	
201 Diethoxymethane	1		0.000					ND	
202 Dodecane	57		0.000					ND	
203 Ethyl bromide	1		0.000					ND	
204 1-Bromo-2-chloroethane	1		0.000					ND	
205 C6-C12	1		0.000					ND	
207 Pentachloroethane TIC	1		0.000					ND	
143 3-chloro-1-Butene	1		0.000					ND	
251 Butane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00008 Amount Added: 1.00 Units: uL Run Reagent

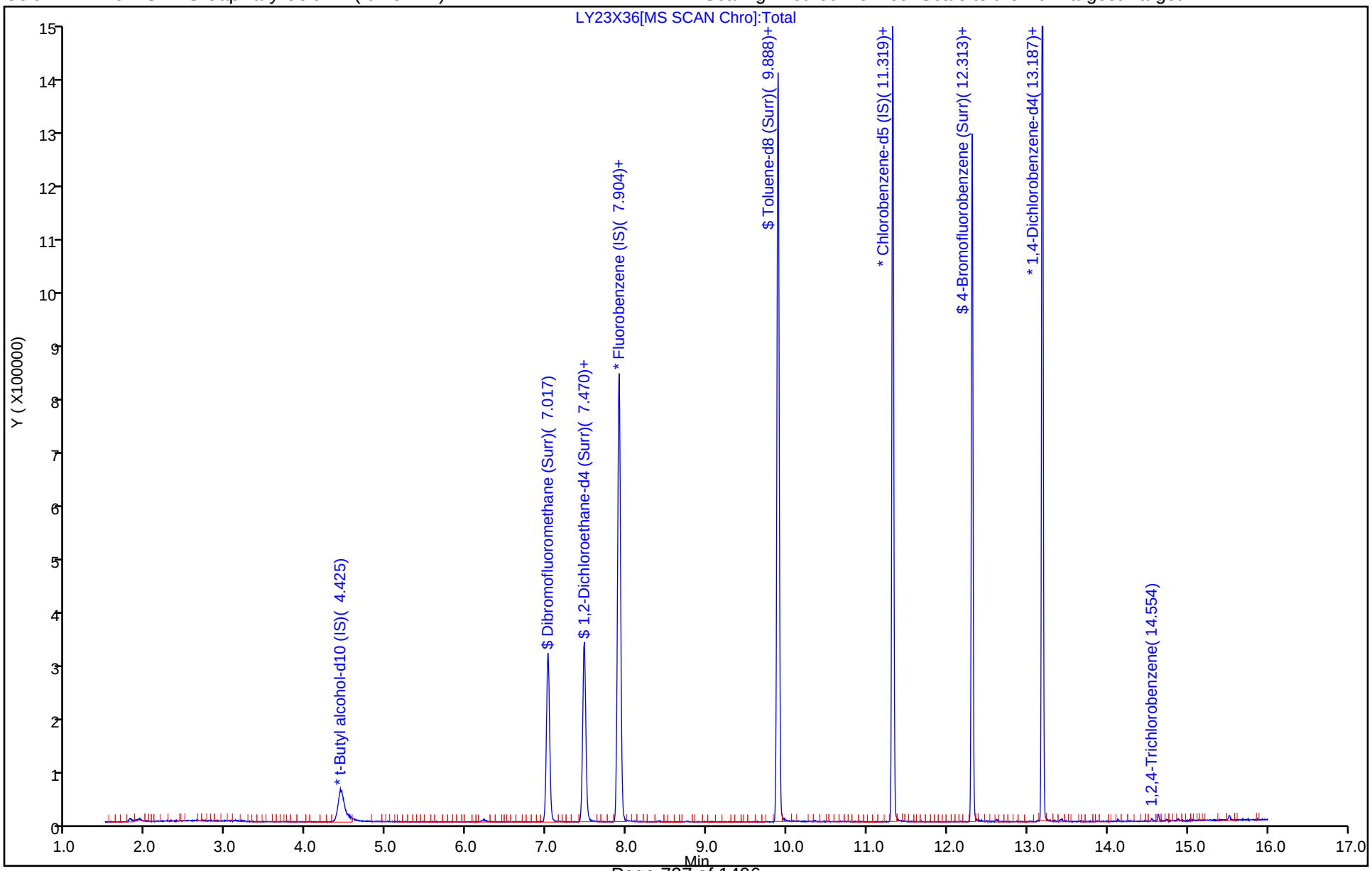
Report Date: 23-May-2022 23:08:42 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X36.D

Injection Date:	23-May-2022 22:45:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X36.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-May-2022 22:45:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-007
Misc. Info.: MB
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 23:08:23 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 23:08:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.9	99.76
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.5	99.03
$ 78 Toluene-d8 (Surr)	50.0	49.7	99.47
$ 107 4-Bromofluorobenzene (Surr)	50.0	47.9	95.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-258274/4

Matrix: Water Lab File ID: LY23X33.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 21:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 258274 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	19.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.30
75-34-3	1,1-Dichloroethane	19.9		1.0	0.30
75-35-4	1,1-Dichloroethene	21.4		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	20.0		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	20.6		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		5.0	0.30
106-93-4	1,2-Dibromoethane	20.6		1.0	0.20
95-50-1	1,2-Dichlorobenzene	21.1		5.0	0.20
107-06-2	1,2-Dichloroethane	19.4		1.0	0.30
78-87-5	1,2-Dichloropropane	20.5		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	20.8		5.0	0.30
541-73-1	1,3-Dichlorobenzene	20.8		5.0	0.30
106-46-7	1,4-Dichlorobenzene	21.1		5.0	0.30
78-93-3	2-Butanone	237		10	0.50
591-78-6	2-Hexanone	252		10	0.40
108-10-1	4-Methyl-2-pentanone	253		10	0.50
67-64-1	Acetone	287		20	0.70
71-43-2	Benzene	20.9		1.0	0.30
75-27-4	Bromodichloromethane	21.0		1.0	0.20
75-25-2	Bromoform	19.4		4.0	1.0
74-83-9	Bromomethane	23.3		1.0	0.30
75-15-0	Carbon disulfide	21.8		5.0	0.30
56-23-5	Carbon tetrachloride	21.8		1.0	0.30
108-90-7	Chlorobenzene	20.8		1.0	0.30
75-00-3	Chloroethane	23.1		1.0	0.20
67-66-3	Chloroform	20.9		1.0	0.30
74-87-3	Chloromethane	21.8		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	21.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.9		1.0	0.20
110-82-7	Cyclohexane	22.8		5.0	1.0
124-48-1	Dibromochloromethane	20.7		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-258274/4

Matrix: Water Lab File ID: LY23X33.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 21:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	27.1		1.0	0.20
100-41-4	Ethylbenzene	20.7		1.0	0.40
76-13-1	Freon 113	24.9		10	0.30
98-82-8	Isopropylbenzene	21.4		5.0	0.20
79-20-9	Methyl acetate	20.4		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.6		1.0	0.20
108-87-2	Methylcyclohexane	23.7		5.0	0.50
75-09-2	Methylene Chloride	21.1		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	21.4		1.0	0.30
108-88-3	Toluene	21.0		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	19.9		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	20.3		1.0	0.20
79-01-6	Trichloroethene	21.1		1.0	0.30
75-69-4	Trichlorofluoromethane	24.5		1.0	0.20
75-01-4	Vinyl chloride	21.9		1.0	0.20
1330-20-7	Xylenes, Total	63.3		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-May-2022 21:39:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-004
Misc. Info.: LCS
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 22:34:30 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 22:33:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.069	2.062	0.007	98	115004	20.0	27.1	
4 Chloromethane	50	2.281	2.271	0.010	99	116694	20.0	21.8	
6 Vinyl chloride	62	2.397	2.393	0.004	64	118804	20.0	21.9	
5 Butadiene	39	2.403	2.393	0.010	92	170870	20.0	32.5	
8 Bromomethane	94	2.751	2.744	0.007	92	98397	20.0	23.3	
9 Chloroethane	64	2.828	2.827	0.001	99	74325	20.0	23.1	
10 Dichlorofluoromethane	67	3.085	3.072	0.013	97	188382	20.0	23.5	
11 Trichlorofluoromethane	101	3.085	3.085	0.000	91	161572	20.0	24.5	
12 Pentane	43	3.185	3.184	0.001	97	137631	20.0	24.0	
14 Ethyl ether	59	3.406	3.400	0.006	91	79521	19.9	21.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.497	3.496	0.000	95	106244	20.0	22.0	
16 Acrolein	56	3.587	3.580	0.007	99	222179	150.0	167.4	
17 1,1-Dichloroethene	96	3.728	3.725	0.003	97	83032	20.0	21.4	
18 Acetone	58	3.760	3.750	0.010	100	156123	250.0	286.6	
19 112TCTFE	101	3.767	3.763	0.004	88	87820	20.0	24.9	
20 Iodomethane	142	3.937	3.930	0.007	99	153233	20.0	22.7	
21 Isopropyl alcohol	45	3.950	3.937	0.013	97	71714	150.0	167.2	
22 Carbon disulfide	76	4.037	4.033	0.004	99	258384	20.0	21.8	
24 Methyl acetate	43	4.197	4.191	0.006	96	108090	20.0	20.4	
25 3-Chloro-1-propene	41	4.226	4.223	0.003	89	132872	20.0	19.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.435	4.419	0.016	59	203648	250.0	250.0	
26 Methylene Chloride	84	4.426	4.422	0.004	91	98449	20.0	21.1	
28 2-Methyl-2-propanol	59	4.564	4.567	-0.003	98	163195	200.0	205.9	
29 Acrylonitrile	53	4.767	4.763	0.004	99	264282	100.0	99.1	
31 Methyl tert-butyl ether	73	4.840	4.834	0.006	96	320496	20.0	20.6	
32 trans-1,2-Dichloroethene	96	4.844	4.834	0.010	98	91621	20.0	19.9	
33 Hexane	57	5.265	5.268	-0.003	91	121377	20.0	23.3	
35 1,1-Dichloroethane	63	5.500	5.496	0.004	96	166680	20.0	19.9	
36 Isopropyl ether	45	5.564	5.554	0.010	92	295399	20.0	19.8	
37 2-Chloro-1,3-butadiene	53	5.609	5.602	0.007	92	142980	20.0	20.6	
38 Tert-butyl ethyl ether	59	6.085	6.081	0.004	97	312962	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	6.300	6.294	0.006	100	883730	250.0	236.9	
41 cis-1,2-Dichloroethene	96	6.326	6.326	0.000	81	108834	20.0	21.6	
42 2,2-Dichloropropane	77	6.342	6.339	0.003	77	154520	20.0	21.3	
44 Propionitrile	54	6.387	6.380	0.007	99	156181	150.0	171.4	
45 Methacrylonitrile	67	6.596	6.596	0.000	91	460429	150.0	151.6	
46 Chlorobromomethane	128	6.657	6.654	0.003	90	59017	20.0	22.2	
47 Tetrahydrofuran	71	6.660	6.657	0.003	92	97689	100.0	113.8	
48 Chloroform	83	6.805	6.798	0.007	90	177132	20.0	20.9	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	92	271091	50.0	50.7	
50 1,1,1-Trichloroethane	97	7.030	7.027	0.003	99	153636	20.0	21.2	
51 Cyclohexane	56	7.130	7.123	0.007	92	149769	20.0	22.8	
52 Carbon tetrachloride	117	7.242	7.232	0.010	85	128741	20.0	21.8	
53 1,1-Dichloropropene	75	7.246	7.236	0.010	94	134454	20.0	20.7	
54 Isobutyl alcohol	41	7.393	7.387	0.006	94	136435	500.0	514.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.467	7.464	0.003	99	65168	50.0	51.2	
56 Benzene	78	7.503	7.499	0.004	97	391355	20.0	20.9	
57 1,2-Dichloroethane	62	7.567	7.570	-0.003	98	146515	20.0	19.4	
59 Tert-amyl methyl ether	73	7.689	7.686	0.003	98	319844	20.0	20.6	
* 61 Fluorobenzene (IS)	96	7.905	7.901	0.004	99	1056493	50.0	50.0	
62 n-Heptane	43	7.914	7.914	0.000	87	123442	20.0	22.0	
63 n-Butanol	56	8.262	8.261	0.001	89	217988	1000.0	1091.6	
64 Trichloroethene	95	8.377	8.377	0.000	97	104695	20.0	21.1	
65 Methylcyclohexane	83	8.686	8.689	-0.003	92	167803	20.0	23.7	
67 1,2-Dichloropropane	63	8.709	8.708	0.000	73	105795	20.0	20.5	
66 2-ethoxy-2-methyl butane	87	8.715	8.711	0.004	92	160269	20.0	20.8	
68 Methyl methacrylate	69	8.795	8.789	0.006	90	96749	20.0	19.6	
69 1,4-Dioxane	88	8.799	8.789	0.010	39	35788	500.0	552.5	
70 Dibromomethane	93	8.821	8.824	-0.003	94	75453	20.0	20.8	
72 Dichlorobromomethane	83	9.059	9.049	0.010	99	136136	20.0	21.0	
73 2-Nitropropane	41	9.319	9.319	0.000	97	41498	20.0	21.4	
74 2-Chloroethyl vinyl ether	63	9.409	9.403	0.006	93	80531	20.0	18.2	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	94	168856	20.0	19.9	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	1989473	250.0	253.2	
$ 78 Toluene-d8 (Surr)	98	9.889	9.888	0.001	94	1118292	50.0	50.3	
79 Toluene	92	9.962	9.962	0.000	98	256379	20.0	21.0	
84 trans-1,3-Dichloropropene	75	10.210	10.210	0.000	94	169499	20.0	20.3	
85 Ethyl methacrylate	69	10.268	10.264	0.004	88	165062	20.0	18.9	
86 1,1,2-Trichloroethane	97	10.409	10.412	-0.003	92	103627	20.0	20.6	
87 Tetrachloroethene	166	10.503	10.499	0.004	94	102325	20.0	21.4	
88 1,3-Dichloropropane	76	10.570	10.570	0.000	91	176679	20.0	20.4	
90 2-Hexanone	43	10.622	10.621	0.001	97	1489009	250.0	251.8	
92 Chlorodibromomethane	129	10.782	10.782	0.000	89	113334	20.0	20.7	
93 Ethylene Dibromide	107	10.898	10.891	0.007	98	114509	20.0	20.6	
* 95 Chlorobenzene-d5 (IS)	117	11.323	11.319	0.004	86	831400	50.0	50.0	
96 1-Chlorohexane	91	11.329	11.326	0.003	98	141008	20.0	20.4	
97 Chlorobenzene	112	11.348	11.348	0.000	95	297594	20.0	20.8	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	96	104333	20.0	21.1	
99 Ethylbenzene	91	11.432	11.432	0.000	98	502636	20.0	20.7	
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	99	399697	40.0	42.4	
101 o-Xylene	106	11.869	11.872	-0.003	96	198381	20.0	20.9	
102 Styrene	104	11.885	11.885	0.000	95	330707	20.0	20.4	
103 Bromoform	173	12.040	12.043	-0.003	94	75817	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 Isopropylbenzene	105	12.168	12.168	0.000	96	507785	20.0	21.4	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.309	0.001	91	408686	50.0	48.9	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	173230	20.0	19.9	
109 Bromobenzene	156	12.429	12.428	0.001	94	130263	20.0	21.5	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	96	213167	100.0	74.7	
111 1,2,3-Trichloropropane	110	12.454	12.454	0.000	84	51819	20.0	19.7	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	596225	20.0	21.0	
113 2-Chlorotoluene	126	12.570	12.573	-0.003	96	121225	20.0	21.1	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	425450	20.0	20.8	
115 4-Chlorotoluene	126	12.663	12.666	-0.003	98	125554	20.0	20.8	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	84814	20.0	21.7	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	97	439331	20.0	20.6	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	529248	20.0	21.6	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	243454	20.0	20.8	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	463444	20.0	21.1	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	95	446542	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.206	0.001	95	258896	20.0	21.1	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	459444	20.0	20.6	
126 Benzyl chloride	91	13.281	13.280	0.001	99	340310	20.0	19.2	
127 1,3-Diethylbenzene	119	13.339	13.338	0.001	96	275309	20.0	20.9	
128 p-Diethylbenzene	119	13.409	13.409	0.000	96	294233	20.0	21.1	
129 n-Butylbenzene	92	13.429	13.428	0.001	97	232519	20.0	20.5	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	248416	20.0	21.1	
131 o-diethylbenzene	119	13.486	13.483	0.003	95	230828	20.0	20.8	
133 1,2-Dibromo-3-Chloropropane	75	14.007	14.004	0.003	82	37896	20.0	17.1	
134 1,3,5-Trichlorobenzene	180	14.133	14.129	0.004	97	171160	20.0	20.8	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	162694	20.0	20.0	
136 Hexachlorobutadiene	225	14.638	14.634	0.004	96	64638	20.0	20.6	
137 Naphthalene	128	14.737	14.737	0.000	97	547111	20.0	18.3	
138 1,2,3-Trichlorobenzene	180	14.882	14.882	0.000	94	155390	20.0	19.5	
139 2-Methylnaphthalene	142	15.519	15.522	-0.003	91	281841	20.0	17.6	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_ACROL_00059	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00056	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00086	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00061	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00002	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00008	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 23-May-2022 22:36:40 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X33.D

Injection Date: 23-May-2022 21:39:30 Instrument ID: 9915 Operator ID: MEC29284

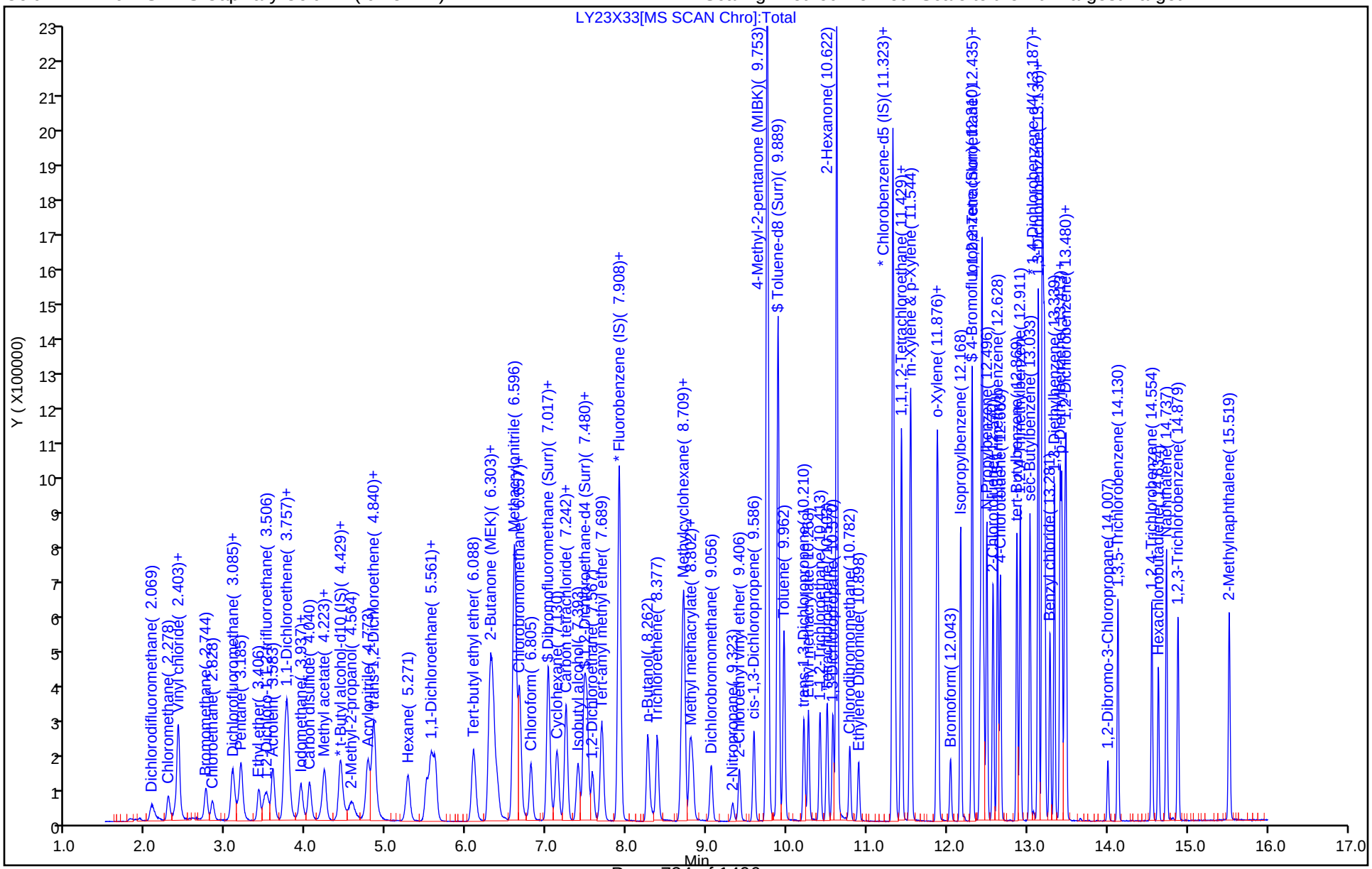
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-May-2022 21:39:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-004
Misc. Info.: LCS
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 22:34:30 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 22:33:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	50.7	101.43
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	51.2	102.40
$ 78 Toluene-d8 (Surr)	50.0	50.3	100.51
$ 107 4-Bromofluorobenzene (Surr)	50.0	48.9	97.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-258274/5

Matrix: Water Lab File ID: LY23X34.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 22:01

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.9		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.7		1.0	0.30
75-34-3	1,1-Dichloroethane	19.2		1.0	0.30
75-35-4	1,1-Dichloroethene	20.7		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.2		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	20.2		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		5.0	0.30
106-93-4	1,2-Dibromoethane	20.7		1.0	0.20
95-50-1	1,2-Dichlorobenzene	20.6		5.0	0.20
107-06-2	1,2-Dichloroethane	20.0		1.0	0.30
78-87-5	1,2-Dichloropropane	19.6		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	20.5		5.0	0.30
541-73-1	1,3-Dichlorobenzene	20.4		5.0	0.30
106-46-7	1,4-Dichlorobenzene	20.4		5.0	0.30
78-93-3	2-Butanone	232		10	0.50
591-78-6	2-Hexanone	246		10	0.40
108-10-1	4-Methyl-2-pentanone	245		10	0.50
67-64-1	Acetone	273		20	0.70
71-43-2	Benzene	20.4		1.0	0.30
75-27-4	Bromodichloromethane	20.3		1.0	0.20
75-25-2	Bromoform	18.9		4.0	1.0
74-83-9	Bromomethane	23.0		1.0	0.30
75-15-0	Carbon disulfide	21.2		5.0	0.30
56-23-5	Carbon tetrachloride	21.2		1.0	0.30
108-90-7	Chlorobenzene	20.7		1.0	0.30
75-00-3	Chloroethane	22.6		1.0	0.20
67-66-3	Chloroform	20.3		1.0	0.30
74-87-3	Chloromethane	20.7		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	21.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.3		1.0	0.20
110-82-7	Cyclohexane	22.3		5.0	1.0
124-48-1	Dibromochloromethane	20.2		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-258274/5

Matrix: Water Lab File ID: LY23X34.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2022 22:01

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	26.5		1.0	0.20
100-41-4	Ethylbenzene	20.6		1.0	0.40
76-13-1	Freon 113	23.3		10	0.30
98-82-8	Isopropylbenzene	21.2		5.0	0.20
79-20-9	Methyl acetate	20.3		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.0		1.0	0.20
108-87-2	Methylcyclohexane	23.4		5.0	0.50
75-09-2	Methylene Chloride	20.5		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	21.4		1.0	0.30
108-88-3	Toluene	21.0		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	19.9		1.0	0.20
79-01-6	Trichloroethene	20.3		1.0	0.30
75-69-4	Trichlorofluoromethane	24.4		1.0	0.20
75-01-4	Vinyl chloride	21.5		1.0	0.20
1330-20-7	Xylenes, Total	62.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\9915\20220523-57907.b\LY23X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-May-2022 22:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-005
Misc. Info.: LCSD
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 22:34:30 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 22:34:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.066	2.062	0.004	99	115972	20.0	26.5	
4 Chloromethane	50	2.275	2.271	0.004	99	113962	20.0	20.7	
6 Vinyl chloride	62	2.397	2.393	0.004	96	119772	20.0	21.5	
5 Butadiene	39	2.406	2.393	0.013	91	166543	20.0	30.8	
8 Bromomethane	94	2.754	2.744	0.010	91	99791	20.0	23.0	
9 Chloroethane	64	2.828	2.827	0.001	100	74718	20.0	22.6	
10 Dichlorofluoromethane	67	3.075	3.072	0.003	97	189033	20.0	22.9	
11 Trichlorofluoromethane	101	3.088	3.085	0.003	94	165070	20.0	24.4	M
12 Pentane	43	3.191	3.184	0.007	98	146934	20.0	24.9	
14 Ethyl ether	59	3.410	3.400	0.010	91	78586	19.9	20.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.500	3.496	0.004	95	107077	20.0	21.5	
16 Acrolein	56	3.586	3.580	0.006	99	224326	150.0	166.2	
17 1,1-Dichloroethene	96	3.731	3.725	0.006	97	82531	20.0	20.7	
18 Acetone	58	3.754	3.750	0.004	99	151271	250.0	273.0	
19 112TCTFE	101	3.783	3.763	0.020	86	84353	20.0	23.3	
20 Iodomethane	142	3.934	3.930	0.004	98	150508	20.0	21.7	
21 Isopropyl alcohol	45	3.943	3.937	0.006	47	64774	150.0	148.5	
22 Carbon disulfide	76	4.040	4.033	0.007	100	258499	20.0	21.2	
24 Methyl acetate	43	4.204	4.191	0.013	97	110527	20.0	20.3	
25 3-Chloro-1-propene	41	4.223	4.223	0.000	90	136889	20.0	19.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.445	4.419	0.026	64	207103	250.0	250.0	
26 Methylene Chloride	84	4.432	4.422	0.010	93	98444	20.0	20.5	
28 2-Methyl-2-propanol	59	4.557	4.567	-0.010	99	162869	200.0	202.1	
29 Acrylonitrile	53	4.773	4.763	0.010	99	263640	100.0	96.1	
31 Methyl tert-butyl ether	73	4.837	4.834	0.003	89	320587	20.0	20.0	
32 trans-1,2-Dichloroethene	96	4.847	4.834	0.013	97	94078	20.0	19.8	
33 Hexane	57	5.268	5.268	0.000	93	121909	20.0	22.7	
35 1,1-Dichloroethane	63	5.500	5.496	0.004	96	165331	20.0	19.2	
36 Isopropyl ether	45	5.557	5.554	0.003	94	295764	20.0	19.3	
37 2-Chloro-1,3-butadiene	53	5.606	5.602	0.004	92	145878	20.0	20.4	
38 Tert-butyl ethyl ether	59	6.085	6.081	0.004	97	315347	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	6.294	6.294	0.000	100	891728	250.0	232.3	
41 cis-1,2-Dichloroethene	96	6.323	6.326	-0.003	83	109331	20.0	21.0	
42 2,2-Dichloropropane	77	6.345	6.339	0.006	85	151549	20.0	20.3	
44 Propionitrile	54	6.387	6.380	0.007	98	157056	150.0	169.5	
45 Methacrylonitrile	67	6.602	6.596	0.006	91	464818	150.0	148.7	
46 Chlorobromomethane	128	6.660	6.654	0.006	91	58506	20.0	21.4	
47 Tetrahydrofuran	71	6.667	6.657	0.010	90	100049	100.0	114.6	
48 Chloroform	83	6.805	6.798	0.007	94	177049	20.0	20.3	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	93	276306	50.0	50.2	
50 1,1,1-Trichloroethane	97	7.033	7.027	0.006	97	155813	20.0	20.9	
51 Cyclohexane	56	7.133	7.123	0.010	90	150807	20.0	22.3	
52 Carbon tetrachloride	117	7.239	7.232	0.007	93	128685	20.0	21.2	
53 1,1-Dichloropropene	75	7.242	7.236	0.006	94	136670	20.0	20.5	
54 Isobutyl alcohol	41	7.390	7.387	0.003	94	137757	500.0	510.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.474	7.464	0.010	97	65717	50.0	50.2	
56 Benzene	78	7.503	7.499	0.004	97	393419	20.0	20.4	
57 1,2-Dichloroethane	62	7.573	7.570	0.003	98	156033	20.0	20.0	
59 Tert-amyl methyl ether	73	7.689	7.686	0.003	98	319799	20.0	20.0	
* 61 Fluorobenzene (IS)	96	7.908	7.901	0.007	98	1087429	50.0	50.0	
62 n-Heptane	43	7.914	7.914	0.000	45	125994	20.0	21.8	
63 n-Butanol	56	8.265	8.261	0.004	89	221185	1000.0	1089.1	
64 Trichloroethene	95	8.380	8.377	0.003	97	103636	20.0	20.3	
65 Methylcyclohexane	83	8.689	8.689	0.000	90	170515	20.0	23.4	
67 1,2-Dichloropropane	63	8.708	8.708	0.000	74	104036	20.0	19.6	
66 2-ethoxy-2-methyl butane	87	8.715	8.711	0.004	91	159407	20.0	20.1	
68 Methyl methacrylate	69	8.792	8.789	0.003	90	97268	20.0	19.2	
69 1,4-Dioxane	88	8.792	8.789	0.003	38	35390	500.0	537.2	
70 Dibromomethane	93	8.824	8.824	0.000	96	75669	20.0	20.2	
72 Dichlorobromomethane	83	9.056	9.049	0.007	99	135626	20.0	20.3	
73 2-Nitropropane	41	9.319	9.319	0.000	99	41785	20.0	21.2	
74 2-Chloroethyl vinyl ether	63	9.409	9.403	0.006	93	79902	20.0	17.6	
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	94	168900	20.0	19.3	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	1979176	250.0	244.7	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1139058	50.0	50.6	
79 Toluene	92	9.962	9.962	0.000	97	259051	20.0	21.0	
84 trans-1,3-Dichloropropene	75	10.213	10.210	0.003	95	167801	20.0	19.9	
85 Ethyl methacrylate	69	10.268	10.264	0.004	89	166252	20.0	18.8	
86 1,1,2-Trichloroethane	97	10.413	10.412	0.001	91	105260	20.0	20.7	
87 Tetrachloroethene	166	10.503	10.499	0.004	95	103678	20.0	21.4	
88 1,3-Dichloropropane	76	10.573	10.570	0.003	90	177830	20.0	20.3	
90 2-Hexanone	43	10.622	10.621	0.001	97	1472517	250.0	246.3	
92 Chlorodibromomethane	129	10.782	10.782	0.000	90	111448	20.0	20.2	
93 Ethylene Dibromide	107	10.895	10.891	0.004	98	116255	20.0	20.7	
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	87	840586	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	141850	20.0	20.3	
97 Chlorobenzene	112	11.348	11.348	0.000	95	300724	20.0	20.7	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	94	103825	20.0	20.8	
99 Ethylbenzene	91	11.432	11.432	0.000	98	506960	20.0	20.6	
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	100	401432	40.0	42.1	
101 o-Xylene	106	11.872	11.872	0.000	96	195830	20.0	20.4	
102 Styrene	104	11.885	11.885	0.000	94	334119	20.0	20.4	
103 Bromoform	173	12.043	12.043	0.000	95	74754	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 Isopropylbenzene	105	12.168	12.168	0.000	96	509356	20.0	21.2	
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.309	0.001	87	409885	50.0	48.5	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	173927	20.0	19.6	
109 Bromobenzene	156	12.432	12.428	0.004	93	126627	20.0	20.5	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	90	212586	100.0	73.1	
111 1,2,3-Trichloropropane	110	12.454	12.454	0.000	84	51683	20.0	19.3	
112 N-Propylbenzene	91	12.493	12.496	-0.003	99	591118	20.0	20.5	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	122907	20.0	21.0	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	95	427792	20.0	20.5	
115 4-Chlorotoluene	126	12.666	12.666	0.000	97	126000	20.0	20.5	
117 tert-Butylbenzene	134	12.872	12.869	0.003	93	83742	20.0	21.0	
119 1,2,4-Trimethylbenzene	105	12.914	12.911	0.003	98	439759	20.0	20.2	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	529783	20.0	21.2	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	97	242802	20.0	20.4	
122 4-Isopropyltoluene	119	13.136	13.139	-0.003	97	460085	20.0	20.6	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	454740	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.206	0.001	95	255057	20.0	20.4	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	459311	20.0	20.2	
126 Benzyl chloride	91	13.284	13.280	0.004	99	342967	20.0	19.0	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	272222	20.0	20.3	
128 p-Diethylbenzene	119	13.409	13.409	0.000	95	288527	20.0	20.3	
129 n-Butylbenzene	92	13.428	13.428	0.000	98	229662	20.0	19.8	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	98	246849	20.0	20.6	
131 o-diethylbenzene	119	13.483	13.483	0.000	96	224750	20.0	19.9	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.004	0.000	83	37071	20.0	16.5	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	165347	20.0	19.7	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	158943	20.0	19.2	
136 Hexachlorobutadiene	225	14.637	14.634	0.003	96	61275	20.0	19.2	
137 Naphthalene	128	14.734	14.737	-0.003	97	535126	20.0	17.6	
138 1,2,3-Trichlorobenzene	180	14.882	14.882	0.000	94	148354	20.0	18.3	
139 2-Methylnaphthalene	142	15.522	15.522	0.000	92	245182	20.0	15.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00056	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00059	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00061	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00002	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00086	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00008	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 23-May-2022 22:36:45 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X34.D

Injection Date: 23-May-2022 22:01:30 Instrument ID: 9915 Operator ID: MEC29284

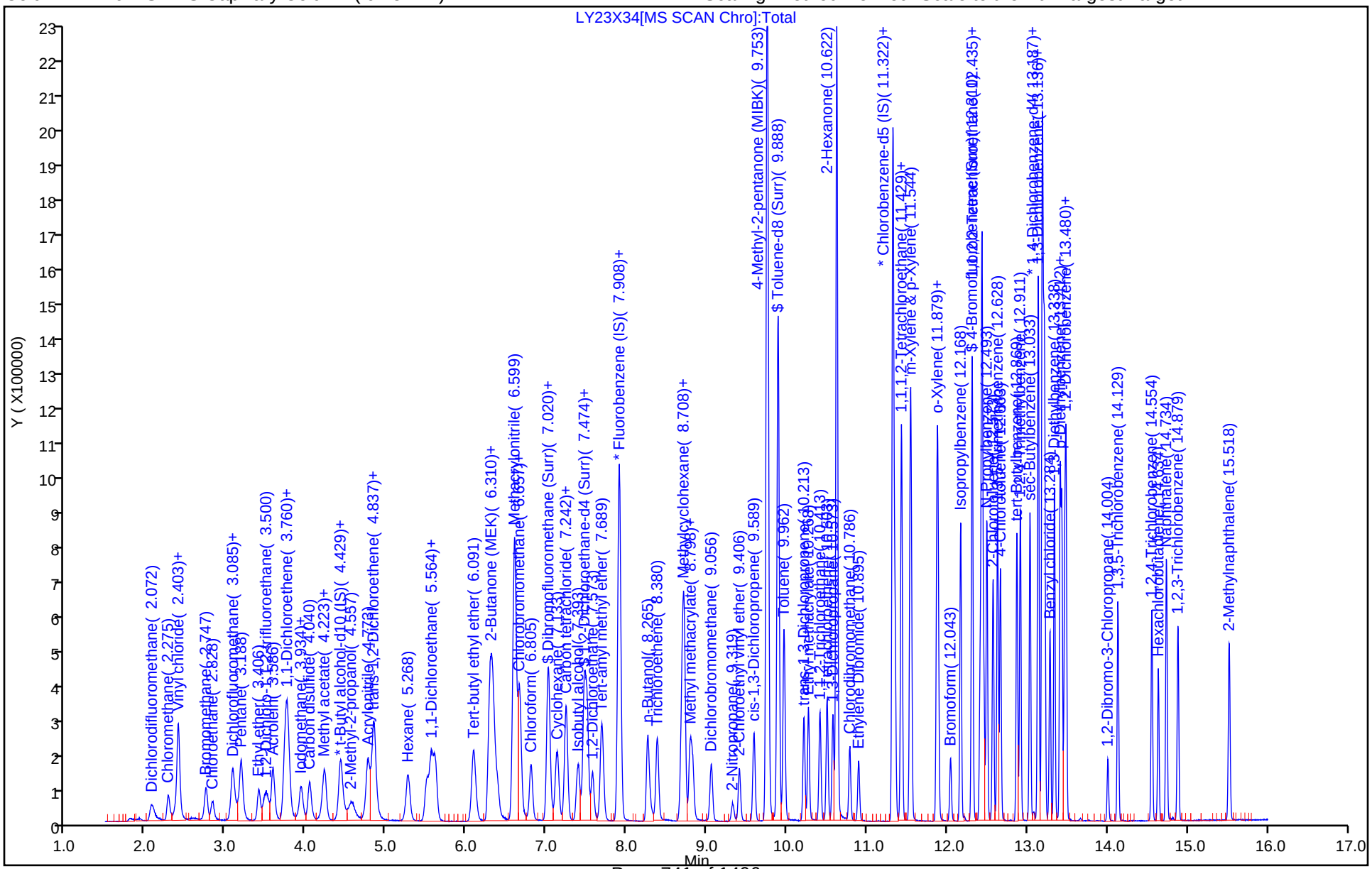
Lims ID: LCSD Worklist Smp#: 5

Client ID:

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

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-May-2022 22:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-005
Misc. Info.: LCSD
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 23-May-2022 22:34:30 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1658

First Level Reviewer: campbellme Date: 23-May-2022 22:34:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	50.2	100.44
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.2	100.33
$ 78 Toluene-d8 (Surr)	50.0	50.6	101.26
$ 107 4-Bromofluorobenzene (Surr)	50.0	48.5	96.95

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

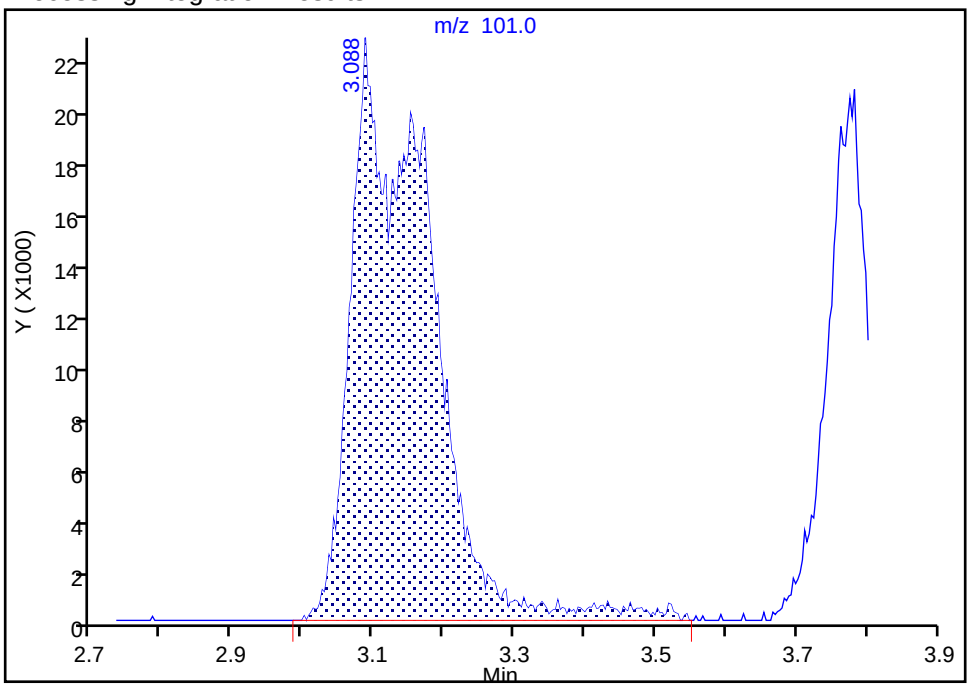
Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X34.D
Injection Date: 23-May-2022 22:01:30 Instrument ID: 9915
Lims ID: LCSD
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

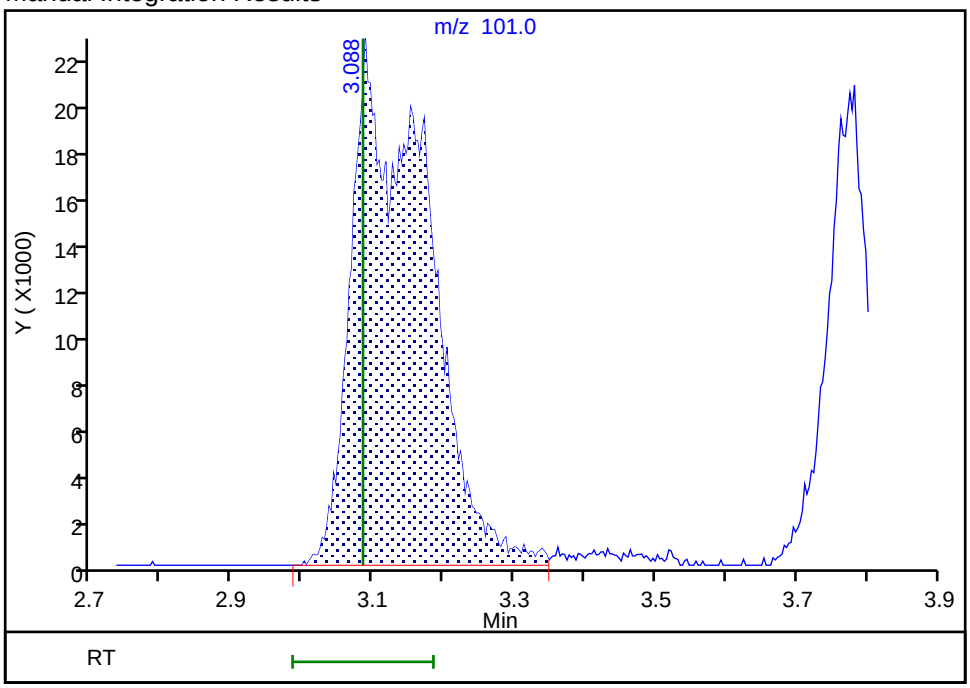
Processing Integration Results

RT: 3.09
Area: 169650
Amount: 25.040460
Amount Units: ug/l



Manual Integration Results

RT: 3.09
Area: 165070
Amount: 24.364449
Amount Units: ug/l



Reviewer: campbellme, 23-May-2022 22:33:58
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MS_052022 MS Lab Sample ID: 410-84076-1 MS

Matrix: Water Lab File ID: LY23X45.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 02:02

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.5		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.30
75-34-3	1,1-Dichloroethane	21.2		1.0	0.30
75-35-4	1,1-Dichloroethene	23.6		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.6		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	22.0		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		5.0	0.30
106-93-4	1,2-Dibromoethane	21.2		1.0	0.20
95-50-1	1,2-Dichlorobenzene	21.3		5.0	0.20
107-06-2	1,2-Dichloroethane	20.7		1.0	0.30
78-87-5	1,2-Dichloropropane	21.5		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	22.5		5.0	0.30
541-73-1	1,3-Dichlorobenzene	21.8		5.0	0.30
106-46-7	1,4-Dichlorobenzene	21.9		5.0	0.30
78-93-3	2-Butanone	232		10	0.50
591-78-6	2-Hexanone	248		10	0.40
108-10-1	4-Methyl-2-pentanone	250		10	0.50
67-64-1	Acetone	293		20	0.70
71-43-2	Benzene	22.6		1.0	0.30
75-27-4	Bromodichloromethane	21.6		1.0	0.20
75-25-2	Bromoform	19.6		4.0	1.0
74-83-9	Bromomethane	25.8		1.0	0.30
75-15-0	Carbon disulfide	24.1		5.0	0.30
56-23-5	Carbon tetrachloride	24.9		1.0	0.30
108-90-7	Chlorobenzene	22.6		1.0	0.30
75-00-3	Chloroethane	26.6		1.0	0.20
67-66-3	Chloroform	22.4		1.0	0.30
74-87-3	Chloromethane	24.1		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	23.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	20.2		1.0	0.20
110-82-7	Cyclohexane	27.1		5.0	1.0
124-48-1	Dibromochloromethane	21.0		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MS_052022 MS Lab Sample ID: 410-84076-1 MS

Matrix: Water Lab File ID: LY23X45.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 02:02

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	32.1		1.0	0.20
100-41-4	Ethylbenzene	23.0		1.0	0.40
76-13-1	Freon 113	29.2		10	0.30
98-82-8	Isopropylbenzene	23.9		5.0	0.20
79-20-9	Methyl acetate	18.5		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.3		1.0	0.20
108-87-2	Methylcyclohexane	28.9		5.0	0.50
75-09-2	Methylene Chloride	22.2		1.0	0.30
100-42-5	Styrene	22.2		5.0	0.30
127-18-4	Tetrachloroethene	24.5		1.0	0.30
108-88-3	Toluene	23.0		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	22.6		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	20.5		1.0	0.20
79-01-6	Trichloroethene	23.1		1.0	0.30
75-69-4	Trichlorofluoromethane	30.3		1.0	0.20
75-01-4	Vinyl chloride	25.6		1.0	0.20
1330-20-7	Xylenes, Total	69.4		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\9915\20220523-57907.b\LY23X45.D
Lims ID: 410-84076-C-1 MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 24-May-2022 02:02:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-016
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 17:04:27 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: innoonk Date: 24-May-2022 13:44:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.072	2.062	0.010	99	128122	20.0	32.1	
4 Chloromethane	50	2.274	2.271	0.003	99	121385	20.0	24.1	
6 Vinyl chloride	62	2.397	2.393	0.004	98	130616	20.0	25.6	
5 Butadiene	39	2.403	2.393	0.010	97	172540	20.0	34.9	
8 Bromomethane	94	2.737	2.744	-0.007	91	102565	20.0	25.8	
9 Chloroethane	64	2.828	2.827	0.001	99	80602	20.0	26.6	
10 Dichlorofluoromethane	67	3.075	3.072	0.003	96	200873	20.0	26.6	
11 Trichlorofluoromethane	101	3.088	3.085	0.003	94	187519	20.0	30.3	
12 Pentane	43	3.181	3.184	-0.003	97	167961	20.0	31.1	
14 Ethyl ether	59	3.400	3.400	0.000	91	74883	19.9	21.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.487	3.496	-0.009	92	115043	20.0	25.3	
16 Acrolein	56	3.580	3.580	0.000	98	198337	150.0	164.6	
17 1,1-Dichloroethene	96	3.725	3.725	0.000	97	86048	20.0	23.6	
18 Acetone	58	3.760	3.750	0.010	99	144661	250.0	292.5	
19 112TCTFE	101	3.773	3.763	0.010	90	96524	20.0	29.2	
20 Iodomethane	142	3.924	3.930	-0.006	99	154281	20.0	24.3	
21 Isopropyl alcohol	45	3.950	3.937	0.013	53	55912	150.0	143.6	
22 Carbon disulfide	76	4.036	4.033	0.003	99	268230	20.0	24.1	
24 Methyl acetate	43	4.191	4.191	0.000	96	92137	20.0	18.5	
25 3-Chloro-1-propene	41	4.226	4.223	0.003	88	133587	20.0	20.8	
* 27 t-Butyl alcohol-d10 (IS)	65	4.432	4.419	0.013	58	184857	250.0	250.0	
26 Methylene Chloride	84	4.422	4.422	0.000	91	97367	20.0	22.2	
28 2-Methyl-2-propanol	59	4.554	4.567	-0.013	99	144042	200.0	200.2	
29 Acrylonitrile	53	4.770	4.763	0.007	99	232881	100.0	92.9	
31 Methyl tert-butyl ether	73	4.837	4.834	0.003	97	296556	20.0	20.3	
32 trans-1,2-Dichloroethene	96	4.844	4.834	0.010	97	97955	20.0	22.6	
33 Hexane	57	5.262	5.268	-0.006	94	135692	20.0	27.7	
35 1,1-Dichloroethane	63	5.496	5.496	0.000	96	166219	20.0	21.2	
36 Isopropyl ether	45	5.554	5.554	0.000	92	279105	20.0	19.9	
37 2-Chloro-1,3-butadiene	53	5.612	5.602	0.010	90	150471	20.0	23.1	
38 Tert-butyl ethyl ether	59	6.088	6.081	0.007	98	295120	20.0	20.4	
40 2-Butanone (MEK)	43	6.290	6.294	-0.004	100	812277	250.0	231.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	6.326	6.326	0.000	83	109645	20.0	23.1	
42 2,2-Dichloropropane	77	6.342	6.339	0.003	92	160102	20.0	23.5	
44 Propionitrile	54	6.387	6.380	0.007	98	137460	150.0	166.2	
45 Methacrylonitrile	67	6.596	6.596	0.000	91	429957	150.0	150.6	
46 Chlorobromomethane	128	6.654	6.654	0.000	91	57018	20.0	22.8	
47 Tetrahydrofuran	71	6.667	6.657	0.010	92	91020	100.0	116.8	
48 Chloroform	83	6.805	6.798	0.007	94	178129	20.0	22.4	
$ 49 Dibromofluoromethane (Surr)	113	7.014	7.017	-0.003	93	250553	50.0	49.9	
50 1,1,1-Trichloroethane	97	7.027	7.027	0.000	97	159914	20.0	23.5	
51 Cyclohexane	56	7.126	7.123	0.003	90	167308	20.0	27.1	
52 Carbon tetrachloride	117	7.242	7.232	0.010	90	138364	20.0	24.9	
53 1,1-Dichloropropene	75	7.242	7.236	0.006	94	147251	20.0	24.2	
54 Isobutyl alcohol	41	7.390	7.387	0.003	92	125636	500.0	521.5	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.461	7.464	-0.003	99	60400	50.0	50.5	
56 Benzene	78	7.506	7.499	0.007	97	398490	20.0	22.6	
57 1,2-Dichloroethane	62	7.567	7.570	-0.003	98	146915	20.0	20.7	
59 Tert-amyl methyl ether	73	7.683	7.686	-0.003	98	298310	20.0	20.4	
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	98	993046	50.0	50.0	
62 n-Heptane	43	7.914	7.914	0.000	78	139860	20.0	26.5	
63 n-Butanol	56	8.261	8.261	0.000	90	188753	1000.0	1041.2	
64 Trichloroethene	95	8.374	8.377	-0.003	98	107577	20.0	23.1	
65 Methylcyclohexane	83	8.689	8.689	0.000	90	191966	20.0	28.9	
67 1,2-Dichloropropane	63	8.712	8.708	0.004	74	104480	20.0	21.5	
66 2-ethoxy-2-methyl butane	87	8.718	8.711	0.007	92	153178	20.0	21.2	
68 Methyl methacrylate	69	8.795	8.789	0.006	90	89384	20.0	19.3	
69 1,4-Dioxane	88	8.792	8.789	0.003	34	31498	500.0	535.7	M
70 Dibromomethane	93	8.821	8.824	-0.003	96	72704	20.0	21.3	
72 Dichlorobromomethane	83	9.049	9.049	0.000	98	131543	20.0	21.6	
73 2-Nitropropane	41	9.319	9.319	0.000	97	37202	20.0	21.1	
74 2-Chloroethyl vinyl ether	63		9.403				20.0	ND	7
75 cis-1,3-Dichloropropene	75	9.586	9.586	0.000	94	161455	20.0	20.2	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	1844289	250.0	249.7	
$ 78 Toluene-d8 (Surr)	98	9.888	9.888	0.000	94	1055062	50.0	50.0	
79 Toluene	92	9.962	9.962	0.000	97	265729	20.0	23.0	
84 trans-1,3-Dichloropropene	75	10.213	10.210	0.003	95	162408	20.0	20.5	
85 Ethyl methacrylate	69	10.268	10.264	0.004	89	159794	20.0	19.3	
86 1,1,2-Trichloroethane	97	10.412	10.412	0.000	92	99918	20.0	20.9	
87 Tetrachloroethene	166	10.499	10.499	0.000	95	111365	20.0	24.5	
88 1,3-Dichloropropane	76	10.573	10.570	0.003	90	168993	20.0	20.6	
90 2-Hexanone	43	10.621	10.621	0.000	97	1392875	250.0	248.5	
92 Chlorodibromomethane	129	10.782	10.782	0.000	89	108916	20.0	21.0	
93 Ethylene Dibromide	107	10.895	10.891	0.004	99	111505	20.0	21.2	
* 95 Chlorobenzene-d5 (IS)	117	11.319	11.319	0.000	87	788292	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	97	154776	20.0	23.6	
97 Chlorobenzene	112	11.345	11.348	-0.003	95	307978	20.0	22.6	
98 1,1,1,2-Tetrachloroethane	131	11.428	11.425	0.003	94	102637	20.0	21.9	
99 Ethylbenzene	91	11.432	11.432	0.000	98	529848	20.0	23.0	
100 m-Xylene & p-Xylene	106	11.541	11.544	-0.003	99	417838	40.0	46.7	
101 o-Xylene	106	11.872	11.872	0.000	97	204318	20.0	22.7	
102 Styrene	104	11.885	11.885	0.000	94	340397	20.0	22.2	
103 Bromoform	173	12.043	12.043	0.000	95	72714	20.0	19.6	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	537591	20.0	23.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 107 4-Bromofluorobenzene (Surr)	95	12.313	12.309	0.004	87	388662	50.0	49.0	
108 1,1,2,2-Tetrachloroethane	83	12.412	12.409	0.003	94	167944	20.0	19.9	
109 Bromobenzene	156	12.428	12.428	0.000	94	129874	20.0	22.0	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	96	204564	100.0	73.9	
111 1,2,3-Trichloropropane	110	12.454	12.454	0.000	83	50184	20.0	19.7	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	623221	20.0	22.6	
113 2-Chlorotoluene	126	12.573	12.573	0.000	96	125250	20.0	22.4	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	95	446340	20.0	22.5	
115 4-Chlorotoluene	126	12.663	12.666	-0.003	98	132792	20.0	22.7	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	88415	20.0	23.3	
119 1,2,4-Trimethylbenzene	105	12.911	12.911	0.000	98	456691	20.0	22.0	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	565431	20.0	23.8	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	98	247022	20.0	21.8	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	493381	20.0	23.2	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	433297	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.206	0.001	94	260586	20.0	21.9	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	474403	20.0	21.9	
126 Benzyl chloride	91	13.280	13.280	0.000	98	326106	20.0	18.9	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	95	287068	20.0	22.4	
128 p-Diethylbenzene	119	13.409	13.409	0.000	94	303916	20.0	22.5	
129 n-Butylbenzene	92	13.432	13.428	0.004	97	242556	20.0	22.0	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	243895	20.0	21.3	
131 o-diethylbenzene	119	13.483	13.483	0.000	95	240987	20.0	22.4	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.004	0.000	82	35470	20.0	16.5	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	167350	20.0	20.9	
135 1,2,4-Trichlorobenzene	180	14.554	14.554	0.000	94	154691	20.0	19.6	
136 Hexachlorobutadiene	225	14.634	14.634	0.000	95	60402	20.0	19.8	
137 Naphthalene	128	14.737	14.737	0.000	97	500142	20.0	17.3	
138 1,2,3-Trichlorobenzene	180	14.882	14.882	0.000	95	144250	20.0	18.7	
139 2-Methylnaphthalene	142	15.518	15.522	-0.004	92	196209	20.0	12.7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00056	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00059	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00061	Amount Added: 21.50	Units: uL	
MSV_LCS_EE_00002	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00088	Amount Added: 21.50	Units: uL	
MSV_HP23_ISSS_00008	Amount Added: 1.00	Units: uL	Run Reagent

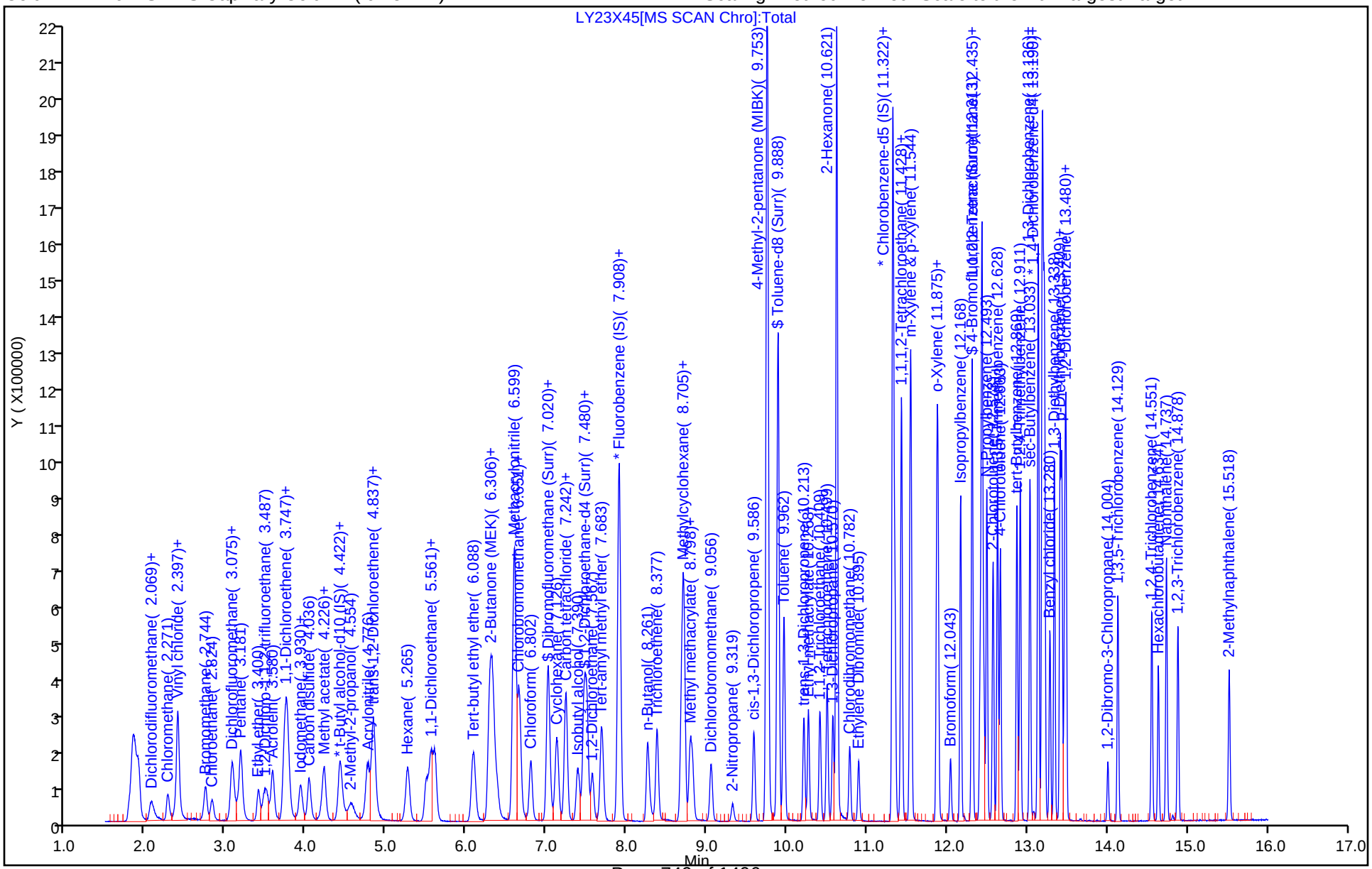
Report Date: 24-May-2022 09:06:24 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X45.D

Injection Date:	24-May-2022 02:02:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-1 MS			Worklist Smp#:	16
Client ID:	FBW001_MS_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X45.D
Lims ID: 410-84076-C-1 MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 24-May-2022 02:02:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-016
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 17:04:27 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: innoonk Date: 24-May-2022 13:44:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	49.9	99.73
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	100.97
$ 78 Toluene-d8 (Surr)	50.0	50.0	100.01
$ 107 4-Bromofluorobenzene (Surr)	50.0	49.0	98.02

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MSD_052022 MSD Lab Sample ID: 410-84076-1 MSD

Matrix: Water Lab File ID: LY23X46.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 02:24

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.9		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	20.8		1.0	0.30
75-34-3	1,1-Dichloroethane	21.6		1.0	0.30
75-35-4	1,1-Dichloroethene	23.9		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	20.1		5.0	0.30
95-63-6	1,2,4-Trimethylbenzene	22.0		5.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		5.0	0.30
106-93-4	1,2-Dibromoethane	20.9		1.0	0.20
95-50-1	1,2-Dichlorobenzene	21.5		5.0	0.20
107-06-2	1,2-Dichloroethane	21.1		1.0	0.30
78-87-5	1,2-Dichloropropane	21.6		1.0	0.30
108-67-8	1,3,5-Trimethylbenzene	22.6		5.0	0.30
541-73-1	1,3-Dichlorobenzene	22.2		5.0	0.30
106-46-7	1,4-Dichlorobenzene	21.4		5.0	0.30
78-93-3	2-Butanone	237		10	0.50
591-78-6	2-Hexanone	244		10	0.40
108-10-1	4-Methyl-2-pentanone	250		10	0.50
67-64-1	Acetone	298		20	0.70
71-43-2	Benzene	23.0		1.0	0.30
75-27-4	Bromodichloromethane	22.2		1.0	0.20
75-25-2	Bromoform	19.0		4.0	1.0
74-83-9	Bromomethane	26.3		1.0	0.30
75-15-0	Carbon disulfide	24.7		5.0	0.30
56-23-5	Carbon tetrachloride	25.5		1.0	0.30
108-90-7	Chlorobenzene	22.3		1.0	0.30
75-00-3	Chloroethane	26.4		1.0	0.20
67-66-3	Chloroform	22.8		1.0	0.30
74-87-3	Chloromethane	24.7		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	23.5		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	20.5		1.0	0.20
110-82-7	Cyclohexane	27.8		5.0	1.0
124-48-1	Dibromochloromethane	20.8		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MSD_052022 MSD Lab Sample ID: 410-84076-1 MSD

Matrix: Water Lab File ID: LY23X46.D

Analysis Method: 8260C Date Collected: 05/12/2022 09:22

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2022 02:24

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.: 258274 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	33.2		1.0	0.20
100-41-4	Ethylbenzene	22.8		1.0	0.40
76-13-1	Freon 113	29.6		10	0.30
98-82-8	Isopropylbenzene	23.5		5.0	0.20
79-20-9	Methyl acetate	18.7		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.6		1.0	0.20
108-87-2	Methylcyclohexane	29.3		5.0	0.50
75-09-2	Methylene Chloride	22.1		1.0	0.30
100-42-5	Styrene	22.0		5.0	0.30
127-18-4	Tetrachloroethene	24.1		1.0	0.30
108-88-3	Toluene	22.8		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	20.7		1.0	0.20
79-01-6	Trichloroethene	23.5		1.0	0.30
75-69-4	Trichlorofluoromethane	30.8		1.0	0.20
75-01-4	Vinyl chloride	25.8		1.0	0.20
1330-20-7	Xylenes, Total	68.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\9915\20220523-57907.b\LY23X46.D
Lims ID: 410-84076-C-1 MSD
Client ID: FBW001_MSD_052022
Sample Type: MSD
Inject. Date: 24-May-2022 02:24:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-017
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 17:04:27 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: innoonk Date: 24-May-2022 13:48:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.072	2.062	0.010	99	136919	20.0	33.2	
4 Chloromethane	50	2.278	2.271	0.007	99	128783	20.0	24.7	
6 Vinyl chloride	62	2.397	2.393	0.004	97	135801	20.0	25.8	
5 Butadiene	39	2.400	2.393	0.007	94	181006	20.0	35.5	
8 Bromomethane	94	2.747	2.744	0.003	92	108020	20.0	26.3	
9 Chloroethane	64	2.824	2.827	-0.003	100	82637	20.0	26.4	
10 Dichlorofluoromethane	67	3.075	3.072	0.003	97	206898	20.0	26.5	
11 Trichlorofluoromethane	101	3.088	3.085	0.003	96	197075	20.0	30.8	
12 Pentane	43	3.185	3.184	0.000	98	167627	20.0	30.1	
14 Ethyl ether	59	3.403	3.400	0.003	91	76209	19.9	21.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.480	3.496	-0.016	95	119841	20.0	25.5	
16 Acrolein	56	3.583	3.580	0.003	98	213758	150.0	175.7	
17 1,1-Dichloroethene	96	3.728	3.725	0.003	97	89829	20.0	23.9	
18 Acetone	58	3.760	3.750	0.010	99	148829	250.0	298.1	
19 112TCTFE	101	3.770	3.763	0.007	92	101388	20.0	29.6	
20 Iodomethane	142	3.934	3.930	0.004	99	160767	20.0	24.5	
21 Isopropyl alcohol	45	3.947	3.937	0.010	49	59269	150.0	150.7	
22 Carbon disulfide	76	4.037	4.033	0.004	100	284173	20.0	24.7	
24 Methyl acetate	43	4.194	4.191	0.003	99	96234	20.0	18.7	
25 3-Chloro-1-propene	41	4.223	4.223	0.000	94	143160	20.0	21.6	
* 27 t-Butyl alcohol-d10 (IS)	65	4.445	4.419	0.026	66	186653	250.0	250.0	
26 Methylene Chloride	84	4.422	4.422	0.000	93	100341	20.0	22.1	
28 2-Methyl-2-propanol	59	4.574	4.567	0.007	98	152720	200.0	210.2	
29 Acrylonitrile	53	4.763	4.763	0.000	97	251839	100.0	97.3	
31 Methyl tert-butyl ether	73	4.834	4.834	0.000	96	311784	20.0	20.6	
32 trans-1,2-Dichloroethene	96	4.844	4.834	0.010	99	100139	20.0	22.3	
33 Hexane	57	5.274	5.268	0.006	93	144370	20.0	28.5	
35 1,1-Dichloroethane	63	5.503	5.496	0.007	96	174924	20.0	21.6	
36 Isopropyl ether	45	5.557	5.554	0.003	94	294611	20.0	20.4	
37 2-Chloro-1,3-butadiene	53	5.606	5.602	0.004	92	159863	20.0	23.7	
38 Tert-butyl ethyl ether	59	6.085	6.081	0.004	98	308185	20.0	20.6	
40 2-Butanone (MEK)	43	6.294	6.294	0.000	100	857983	250.0	236.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	6.329	6.326	0.003	85	115023	20.0	23.5	
42 2,2-Dichloropropane	77	6.342	6.339	0.003	91	167251	20.0	23.7	
44 Propionitrile	54	6.384	6.380	0.004	99	145419	150.0	174.2	
45 Methacrylonitrile	67	6.596	6.596	0.000	91	446877	150.0	151.5	
46 Chlorobromomethane	128	6.654	6.654	0.000	92	58005	20.0	22.5	
47 Tetrahydrofuran	71	6.663	6.657	0.006	93	96546	100.0	122.7	
48 Chloroform	83	6.805	6.798	0.007	94	187105	20.0	22.8	
$ 49 Dibromofluoromethane (Surr)	113	7.017	7.017	0.000	92	261913	50.0	50.4	
50 1,1,1-Trichloroethane	97	7.030	7.027	0.003	97	168361	20.0	23.9	
51 Cyclohexane	56	7.126	7.123	0.003	90	177491	20.0	27.8	
52 Carbon tetrachloride	117	7.239	7.232	0.007	80	145955	20.0	25.5	
53 1,1-Dichloropropene	75	7.239	7.236	0.003	94	155326	20.0	24.7	
54 Isobutyl alcohol	41	7.390	7.387	0.003	93	125397	500.0	515.5	
$ 55 1,2-Dichloroethane-d4 (Surr)	102	7.471	7.464	0.006	96	63670	50.0	51.5	
56 Benzene	78	7.506	7.499	0.007	97	418135	20.0	23.0	
57 1,2-Dichloroethane	62	7.577	7.570	0.007	98	155284	20.0	21.1	
59 Tert-amyl methyl ether	73	7.689	7.686	0.003	99	314494	20.0	20.8	
* 61 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1026049	50.0	50.0	
62 n-Heptane	43	7.914	7.914	0.000	82	147895	20.0	27.1	
63 n-Butanol	56	8.265	8.261	0.004	89	199879	1000.0	1092.0	
64 Trichloroethene	95	8.380	8.377	0.003	98	113077	20.0	23.5	
65 Methylcyclohexane	83	8.689	8.689	0.000	91	200847	20.0	29.3	
67 1,2-Dichloropropane	63	8.715	8.708	0.007	73	108433	20.0	21.6	
66 2-ethoxy-2-methyl butane	87	8.718	8.711	0.007	91	162334	20.0	21.7	
68 Methyl methacrylate	69	8.792	8.789	0.003	90	90738	20.0	19.0	
69 1,4-Dioxane	88	8.789	8.789	0.000	35	31602	500.0	532.3	
70 Dibromomethane	93	8.821	8.824	-0.003	93	77139	20.0	21.8	
72 Dichlorobromomethane	83	9.052	9.049	0.003	99	139676	20.0	22.2	
73 2-Nitropropane	41	9.326	9.319	0.007	97	39214	20.0	22.1	
74 2-Chloroethyl vinyl ether	63		9.403				20.0	ND	7
75 cis-1,3-Dichloropropene	75	9.589	9.586	0.003	94	168658	20.0	20.5	
77 4-Methyl-2-pentanone (MIBK)	43	9.753	9.753	0.000	97	1907364	250.0	250.0	
$ 78 Toluene-d8 (Surr)	98	9.892	9.888	0.004	94	1086079	50.0	49.3	
79 Toluene	92	9.966	9.962	0.004	98	275061	20.0	22.8	
84 trans-1,3-Dichloropropene	75	10.213	10.210	0.003	94	170602	20.0	20.7	
85 Ethyl methacrylate	69	10.268	10.264	0.004	88	169489	20.0	19.6	
86 1,1,2-Trichloroethane	97	10.413	10.412	0.000	90	104008	20.0	20.8	
87 Tetrachloroethene	166	10.499	10.499	0.000	95	114128	20.0	24.1	
88 1,3-Dichloropropane	76	10.570	10.570	0.000	92	176673	20.0	20.6	
90 2-Hexanone	43	10.622	10.621	0.001	97	1431037	250.0	244.4	
92 Chlorodibromomethane	129	10.782	10.782	0.000	90	112711	20.0	20.8	
93 Ethylene Dibromide	107	10.895	10.891	0.004	98	114960	20.0	20.9	
* 95 Chlorobenzene-d5 (IS)	117	11.322	11.319	0.003	86	823433	50.0	50.0	
96 1-Chlorohexane	91	11.326	11.326	0.000	98	161423	20.0	23.6	
97 Chlorobenzene	112	11.345	11.348	-0.003	95	316098	20.0	22.3	
98 1,1,1,2-Tetrachloroethane	131	11.425	11.425	0.000	96	107695	20.0	22.0	
99 Ethylbenzene	91	11.432	11.432	0.000	98	549101	20.0	22.8	
100 m-Xylene & p-Xylene	106	11.544	11.544	0.000	99	433344	40.0	46.4	
101 o-Xylene	106	11.869	11.872	-0.003	96	210854	20.0	22.4	
102 Styrene	104	11.885	11.885	0.000	94	351960	20.0	22.0	
103 Bromoform	173	12.039	12.043	-0.004	94	73468	20.0	19.0	
104 Isopropylbenzene	105	12.168	12.168	0.000	96	552296	20.0	23.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 107 4-Bromofluorobenzene (Surr)	95	12.310	12.309	0.001	87	399282	50.0	48.2	
108 1,1,2,2-Tetrachloroethane	83	12.409	12.409	0.000	94	170482	20.0	19.5	
109 Bromobenzene	156	12.432	12.428	0.004	94	133583	20.0	22.0	
110 trans-1,4-Dichloro-2-butene	53	12.435	12.435	0.000	90	215582	100.0	75.5	
111 1,2,3-Trichloropropane	110	12.454	12.454	0.000	84	50763	20.0	19.3	
112 N-Propylbenzene	91	12.496	12.496	0.000	99	644575	20.0	22.7	
113 2-Chlorotoluene	126	12.570	12.573	-0.003	96	128335	20.0	22.3	
114 1,3,5-Trimethylbenzene	105	12.628	12.628	0.000	94	462285	20.0	22.6	
115 4-Chlorotoluene	126	12.666	12.666	0.000	98	137928	20.0	22.8	
117 tert-Butylbenzene	134	12.869	12.869	0.000	93	91839	20.0	23.4	
119 1,2,4-Trimethylbenzene	105	12.914	12.911	0.003	97	471322	20.0	22.0	
120 sec-Butylbenzene	105	13.033	13.033	0.000	94	588349	20.0	24.0	
121 1,3-Dichlorobenzene	146	13.133	13.133	0.000	98	259472	20.0	22.2	
122 4-Isopropyltoluene	119	13.139	13.139	0.000	97	511697	20.0	23.3	
* 123 1,4-Dichlorobenzene-d4	152	13.187	13.187	0.000	96	446978	50.0	50.0	
124 1,4-Dichlorobenzene	146	13.207	13.206	0.001	95	263149	20.0	21.4	
125 1,2,3-Trimethylbenzene	105	13.216	13.216	0.000	98	486922	20.0	21.8	
126 Benzyl chloride	91	13.281	13.280	0.001	99	338318	20.0	19.0	
127 1,3-Diethylbenzene	119	13.338	13.338	0.000	96	301933	20.0	22.9	
128 p-Diethylbenzene	119	13.409	13.409	0.000	94	321082	20.0	23.0	
129 n-Butylbenzene	92	13.428	13.428	0.000	97	254765	20.0	22.4	
130 1,2-Dichlorobenzene	146	13.467	13.467	0.000	97	252949	20.0	21.5	
131 o-diethylbenzene	119	13.483	13.483	0.000	95	251857	20.0	22.7	
133 1,2-Dibromo-3-Chloropropane	75	14.004	14.004	0.000	81	36805	20.0	16.6	
134 1,3,5-Trichlorobenzene	180	14.129	14.129	0.000	97	175476	20.0	21.3	
135 1,2,4-Trichlorobenzene	180	14.557	14.554	0.003	94	163710	20.0	20.1	
136 Hexachlorobutadiene	225	14.637	14.634	0.003	94	68998	20.0	22.0	
137 Naphthalene	128	14.737	14.737	0.000	97	527593	20.0	17.6	
138 1,2,3-Trichlorobenzene	180	14.879	14.882	-0.003	95	156557	20.0	19.7	
139 2-Methylnaphthalene	142	15.518	15.522	-0.004	92	239913	20.0	15.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

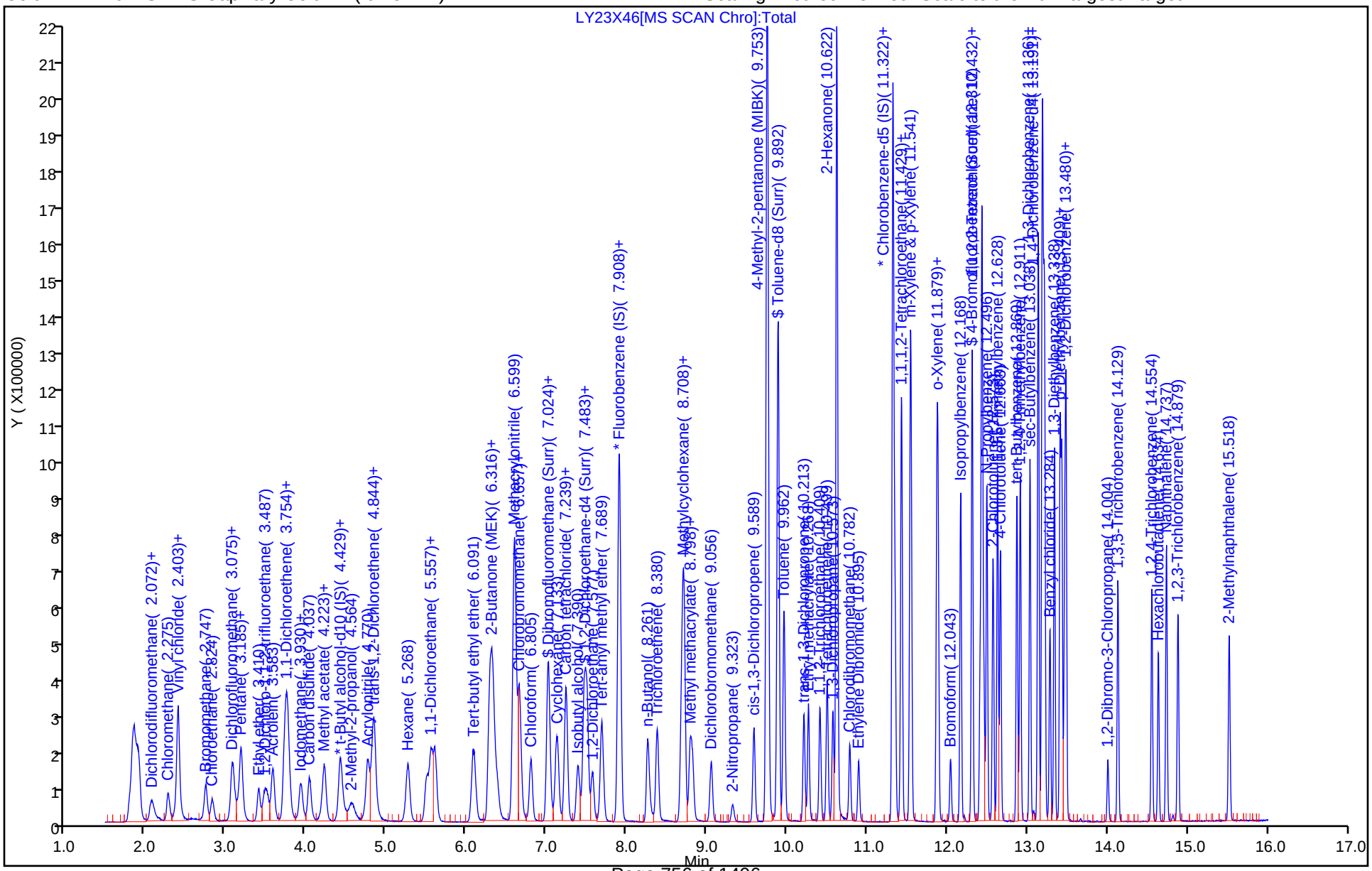
MSV_LCS_VOC#1_00056	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00059	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00061	Amount Added: 21.50	Units: uL	
MSV_LCS_EE_00002	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00088	Amount Added: 21.50	Units: uL	
MSV_HP23_ISSS_00008	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 24-May-2022 09:06:26 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X46.D				
Injection Date:	24-May-2022 02:24:30	Instrument ID:	9915	Operator ID:	MEC29284
Lims ID:	410-84076-C-1 MSD			Worklist Smp#:	17
Client ID:	FBW001_MSD_052022				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\LY23X46.D
Lims ID: 410-84076-C-1 MSD
Client ID: FBW001_MSD_052022
Sample Type: MSD
Inject. Date: 24-May-2022 02:24:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0057907-017
Operator ID: MEC29284 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20220523-57907.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 24-May-2022 17:04:27 Calib Date: 17-May-2022 18:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20220517-57379.b\LY17X24.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: innoonk Date: 24-May-2022 13:48:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	50.0	50.4	100.90
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	51.5	103.02
$ 78 Toluene-d8 (Surr)	50.0	49.3	98.56
$ 107 4-Bromofluorobenzene (Surr)	50.0	48.2	96.41

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Start Date: 05/17/2022 11:07

Analysis Batch Number: 256013 End Date: 05/17/2022 18:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-256013/1		05/17/2022 11:07	1	LY17T01.D	R-624SilMS 30m 0.25(mm)
ICIS 410-256013/15		05/17/2022 13:25	1	LY17X15.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/16		05/17/2022 13:47	1	LY17X16.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/17		05/17/2022 14:09	1	LY17X17.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/11		05/17/2022 14:53	1	LY17X19.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/12		05/17/2022 15:15	1	LY17X20.D	R-624SilMS 30m 0.25(mm)
ICV 410-256013/19		05/17/2022 15:37	1	LY17X21.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/13		05/17/2022 17:58	1	LY17X23.D	R-624SilMS 30m 0.25(mm)
IC 410-256013/14		05/17/2022 18:20	1	LY17X24.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: 9915 Start Date: 05/23/2022 20:36

Analysis Batch Number: 258274 End Date: 05/24/2022 05:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-258274/1		05/23/2022 20:36	1	LY23T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-258274/3		05/23/2022 21:17	1	LY23X32.D	R-624SilMS 30m 0.25(mm)
LCS 410-258274/4		05/23/2022 21:39	1	LY23X33.D	R-624SilMS 30m 0.25(mm)
LCSD 410-258274/5		05/23/2022 22:01	1	LY23X34.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/23/2022 22:23	1		R-624SilMS 30m 0.25(mm)
MB 410-258274/7		05/23/2022 22:45	1	LY23X36.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/23/2022 23:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/23/2022 23:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/23/2022 23:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 00:13	1		R-624SilMS 30m 0.25(mm)
410-84076-3	FBW001_FB_052022	05/24/2022 00:35	1	LY23X41.D	R-624SilMS 30m 0.25(mm)
410-84076-7	FBW001_TB_052022	05/24/2022 00:56	1	LY23X42.D	R-624SilMS 30m 0.25(mm)
410-84076-8	FBS010_TB_052022	05/24/2022 01:18	1	LY23X43.D	R-624SilMS 30m 0.25(mm)
410-84076-1	FBW001_052022	05/24/2022 01:40	1	LY23X44.D	R-624SilMS 30m 0.25(mm)
410-84076-1 MS	FBW001_MS_052022 MS	05/24/2022 02:02	1	LY23X45.D	R-624SilMS 30m 0.25(mm)
410-84076-1 MSD	FBW001_MSD_052022 MSD	05/24/2022 02:24	1	LY23X46.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 02:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 03:08	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 03:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 03:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 04:13	1		R-624SilMS 30m 0.25(mm)
410-84076-4	FBS010_052022	05/24/2022 04:35	1	LY23X52.D	R-624SilMS 30m 0.25(mm)
410-84076-5	FBS010_DUP-1_052022	05/24/2022 04:57	1	LY23X53.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 05:19	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/24/2022 05:41	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 256013 Batch Start Date: 05/17/22 11:07 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE_IC 00003	MSV_CCV_2CEVE 00064	MSV_CCV_CYC 00001
BFB 410-256013/1		8260C		1 uL	1 uL				
IC 410-256013/11		8260C		5 mL	5 mL	2639	12.5 mL		
IC 410-256013/12		8260C		5 mL	5 mL	2639		4 uL	32 uL
IC 410-256013/13		8260C		5 mL	5 mL	2639		2 uL	8 uL
IC 410-256013/14		8260C		5 mL	5 mL	2639		4 uL	16 uL
ICIS 410-256013/15		8260C		5 mL	5 mL	2639		5 uL	10 uL
IC 410-256013/16		8260C		5 mL	5 mL	2639		5 uL	10 uL
IC 410-256013/17		8260C		5 mL	5 mL	2639		15 uL	30 uL
ICV 410-256013/19		8260C		5 mL	5 mL	2639			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_EE 00001	MSV_CCV_GASES 00194	MSV_CCV_VOC#1 00067	MSV_CCV_VOC#3 00068	MSV_HP23_ISSS 00007	MSV_LCS_2CEVE 00060
BFB 410-256013/1		8260C							
IC 410-256013/11		8260C						1 uL	
IC 410-256013/12		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
IC 410-256013/13		8260C		2 uL	1 uL	2 uL	1.6 uL	1 uL	
IC 410-256013/14		8260C		4 uL	2 uL	4 uL	3.2 uL	1 uL	
ICIS 410-256013/15		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-256013/16		8260C		5 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-256013/17		8260C		15 uL	7.5 uL	15 uL	12 uL	1 uL	
ICV 410-256013/19		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.: 410-84076-1

SDG No.:

Batch Number: 256013 Batch Start Date: 05/17/22 11:07 Batch Analyst: Mellinger, Corie M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00058	MSV_LCS_CYC 00001	MSV_LCS_EE 00002	MSV_LCS_VOC#1 00055	MSV_QC_2K_GAS 00089	MSV_V_BFB 00007
BFB 410-256013/1		8260C							1 uL
IC 410-256013/11		8260C							
IC 410-256013/12		8260C							
IC 410-256013/13		8260C							
IC 410-256013/14		8260C							
ICIS 410-256013/15		8260C							
IC 410-256013/16		8260C							
IC 410-256013/17		8260C							
ICV 410-256013/19		8260C		50 uL	50 uL	50 uL	50 uL	1 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.: 410-84076-1

SDG No.:

Batch Number: 258274 Batch Start Date: 05/23/22 20:36 Batch Analyst: Campbell, Miranda E

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-258274/1		8260C		1 uL	1 uL				
CCVIS 410-258274/3		8260C		5 mL	5 mL				2639
LCS 410-258274/4		8260C		5 mL	5 mL				2639
LCSD 410-258274/5		8260C		5 mL	5 mL				2639
MB 410-258274/7		8260C		5 mL	5 mL				2639
410-84076-C-3	FBW001_FB_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-A-7	FBW001_TB_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-A-8	FBS010_TB_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-C-1	FBW001_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-C-1 MS	FBW001_MS_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-C-1 MSD	FBW001_MSD_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-C-4	FBS010_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-84076-C-5	FBS010_DUP-1_052022	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00066	MSV_CCV_EE 00001	MSV_CCV_GASES 00198	MSV_CCV_VOC#1 00069	MSV_CCV_VOC#3 00070	MSV_HP23_ISSS 00008
BFB 410-258274/1		8260C							
CCVIS 410-258274/3		8260C		5 uL	5 uL	2.5 uL	5 uL	4 uL	1 uL
LCS 410-258274/4		8260C							1 uL
LCSD 410-258274/5		8260C							1 uL
MB 410-258274/7		8260C							1 uL
410-84076-C-3	FBW001_FB_052022	8260C	T						1 uL
410-84076-A-7	FBW001_TB_052022	8260C	T						1 uL
410-84076-A-8	FBS010_TB_052022	8260C	T						1 uL
410-84076-C-1	FBW001_052022	8260C	T						1 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.

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 258274 Batch Start Date: 05/23/22 20:36 Batch Analyst: Campbell, Miranda E

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00066	MSV_CCV_EE 00001	MSV_CCV_GASES 00198	MSV_CCV_VOC#1 00069	MSV_CCV_VOC#3 00070	MSV_HP23_ISSS 00008
410-84076-C-1 MS	FBW001_MS_052022	8260C	T						1 uL
410-84076-C-1 MSD	FBW001_MSD_052022	8260C	T						1 uL
410-84076-C-4	FBS010_052022	8260C	T						1 uL
410-84076-C-5	FBS010_DUP-1_052022	8260C	T						1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_2CEVE 00061	MSV_LCS_ACROL 00059	MSV_LCS_EE 00002	MSV_LCS_Gases 00086	MSV_LCS_Gases 00088	MSV_LCS_VOC#1 00056
BFB 410-258274/1		8260C							
CCVIS 410-258274/3		8260C							
LCS 410-258274/4		8260C		50 uL	50 uL	50 uL	50 uL		50 uL
LCSD 410-258274/5		8260C		50 uL	50 uL	50 uL	50 uL		50 uL
MB 410-258274/7		8260C							
410-84076-C-3	FBW001_FB_052022	8260C	T						
410-84076-A-7	FBW001_TB_052022	8260C	T						
410-84076-A-8	FBS010_TB_052022	8260C	T						
410-84076-C-1	FBW001_052022	8260C	T						
410-84076-C-1 MS	FBW001_MS_052022	8260C	T	21.5 uL	21.5 uL	21.5 uL		21.5 uL	21.5 uL
410-84076-C-1 MSD	FBW001_MSD_052022	8260C	T	21.5 uL	21.5 uL	21.5 uL		21.5 uL	21.5 uL
410-84076-C-4	FBS010_052022	8260C	T						
410-84076-C-5	FBS010_DUP-1_052022	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00007					
BFB 410-258274/1		8260C		1 uL					
CCVIS 410-258274/3		8260C							
LCS 410-258274/4		8260C							

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.: 410-84076-1

SDG No.:

Batch Number: 258274 Batch Start Date: 05/23/22 20:36 Batch Analyst: Campbell, Miranda E

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00007					
LCSD 410-258274/5		8260C							
MB 410-258274/7		8260C							
410-84076-C-3	FBW001_FB_052022	8260C	T						
410-84076-A-7	FBW001_TB_052022	8260C	T						
410-84076-A-8	FBS010_TB_052022	8260C	T						
410-84076-C-1	FBW001_052022	8260C	T						
410-84076-C-1 MS	FBW001_MS_052022	8260C	T						
410-84076-C-1 MSD	FBW001_MSD_052022	8260C	T						
410-84076-C-4	FBS010_052022	8260C	T						
410-84076-C-5	FBS010_DUP-1_052022	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.: 410-84076-1

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 #
FBW001_052022	410-84076-1	43	28	72	75	81	99
FBW001_FB_052022	410-84076-3	43	28	73	76	74	94
FBS010_052022	410-84076-4	45	30	74	75	80	83
FBS010_DUP-1_052022	410-84076-5	44	29	76	77	80	97
	MB 410-256916/1-A	45	31	79	83	92	105
	LCS 410-256916/2-A	57	41	83	86	97	101
	LCSD 410-256916/3-A	60	44	84	83	94	102
FBW001_MS_052022 MS	410-84076-1 MS	54	39	71	76	85	93
FBW001_MSD_052022 MSD	410-84076-1 MSD	63	45	89	92	98	100

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	25-125
FBP = 2-Fluorobiphenyl (Surr)	44-120
TBP = 2,4,6-Tribromophenol (Surr)	10-150
TPHd14 = p-Terphenyl-d14 (Surr)	37-120

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE1955.D

Lab ID: LCS 410-256916/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	50.0	49	98	62-120	
2,4-Dinitrophenol	100	100	102	43-146	
2-Chlorophenol	50.0	43	85	57-120	
Carbazole	50.0	50	100	74-120	
Phenol	50.0	25	51	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE1956.D

Lab ID: LCSD 410-256916/3-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	51	102	4	30	62-120	
2,4-Dinitrophenol	100	110	110	7	30	43-146	
2-Chlorophenol	50.0	46	92	7	30	57-120	
Carbazole	50.0	51	101	1	30	74-120	
Phenol	50.0	26	52	3	30	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE1973.D

Lab ID: 410-84076-1 MS Client ID: FBW001_MS_052022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	51.8	ND	46	88	62-120	
2,4-Dinitrophenol	104	ND	89	86	43-146	
2-Chlorophenol	51.8	ND	43	82	57-120	
Carbazole	51.8	ND	46	88	74-120	
Phenol	51.8	ND	24	47	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.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LE1974.D

Lab ID: 410-84076-1 MSD Client ID: FBW001_MSD_052022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	50.7	54	107	17	30	62-120	
2,4-Dinitrophenol	101	79	78	12	30	43-146	
2-Chlorophenol	50.7	48	95	13	30	57-120	
Carbazole	50.7	52	102	13	30	74-120	
Phenol	50.7	28	55	14	30	22-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Lab File ID: LE1954.D Lab Sample ID: MB 410-256916/1-A

Matrix: Water Date Extracted: 05/19/2022 09:46

Instrument ID: HP20296 Date Analyzed: 05/19/2022 17:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-256916/2-A	LE1955.D	05/19/2022 18:08
	LCSD 410-256916/3-A	LE1956.D	05/19/2022 18:29
FBW001_052022	410-84076-1	LE1972.D	05/20/2022 00:06
FBW001_MS_052022 MS	410-84076-1 MS	LE1973.D	05/20/2022 00:27
FBW001_MSD_052022 MSD	410-84076-1 MSD	LE1974.D	05/20/2022 00:48
FBS010_052022	410-84076-4	LE1975.D	05/20/2022 01:09
FBS010_DUP-1_052022	410-84076-5	LE1976.D	05/20/2022 01:30
FBW001_FB_052022	410-84076-3	LE1977.D	05/20/2022 01:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: LE0150.D DFTPP Injection Date: 05/01/2022

Instrument ID: HP20296 DFTPP Injection Time: 15:50

Analysis Batch No.: 250389

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	61.9	
68	Less than 2% of mass 69	1.0	(1.4) 1
69	Mass 69 Relative abundance	68.2	
70	Less than 2% of mass 69	0.2	(0.3) 1
127	10-80% of Base Peak	54.5	
197	Less than 2% of mass 198	1.1	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	22.3	
365	Greater than 1% of mass 198	3.5	
441	present but less than 24% of mass 442	14.6	(14.8) 2
442	Greater than 50% of mass 198	98.7	
443	15-24% of mass 442	17.8	(18.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-250389/2	LE0151a.D	05/01/2022	17:10
	IC 410-250389/3	LE0152.D	05/01/2022	17:47
	IC 410-250389/4	LE0153.D	05/01/2022	18:08
	IC 410-250389/5	LE0154.D	05/01/2022	18:29
	IC 410-250389/6	LE0155.D	05/01/2022	18:50
	IC 410-250389/7	LE0156.D	05/01/2022	20:04
	IC 410-250389/8	LE0157.D	05/01/2022	20:25
	IC 410-250389/9	LE0158.D	05/01/2022	20:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: LE0200.D DFTPP Injection Date: 05/02/2022

Instrument ID: HP20296 DFTPP Injection Time: 11:11

Analysis Batch No.: 250639

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	66.0	
68	Less than 2% of mass 69	0.8	(1.2) 1
69	Mass 69 Relative abundance	65.9	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	51.6	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	25.6	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	15.9	(15.3) 2
442	Greater than 50% of mass 198	103.7	
443	15-24% of mass 442	19.5	(18.8) 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 410-250639/12	LE0203.D	05/02/2022	12:36
	ICV 410-250639/13	LE0204a.D	05/02/2022	13:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: LE1950a.D DFTPP Injection Date: 05/19/2022

Instrument ID: HP20296 DFTPP Injection Time: 15:54

Analysis Batch No.: 257173

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	58.0	
68	Less than 2% of mass 69	0.9	(1.4) 1
69	Mass 69 Relative abundance	65.4	
70	Less than 2% of mass 69	0.3	(0.4) 1
127	10-80% of Base Peak	50.3	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	27.0	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	15.9	(14.3) 2
442	Greater than 50% of mass 198	110.9	
443	15-24% of mass 442	19.8	(17.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-257173/2	LE1951a.D	05/19/2022	16:11
	MB 410-256916/1-A	LE1954.D	05/19/2022	17:47
	LCS 410-256916/2-A	LE1955.D	05/19/2022	18:08
	LCSD 410-256916/3-A	LE1956.D	05/19/2022	18:29
FBW001_052022	410-84076-1	LE1972.D	05/20/2022	0:06
FBW001_MS_052022 MS	410-84076-1 MS	LE1973.D	05/20/2022	0:27
FBW001_MSD_052022 MSD	410-84076-1 MSD	LE1974.D	05/20/2022	0:48
FBS010_052022	410-84076-4	LE1975.D	05/20/2022	1:09
FBS010_DUP-1_052022	410-84076-5	LE1976.D	05/20/2022	1:30
FBW001_FB_052022	410-84076-3	LE1977.D	05/20/2022	1:51

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-250389/2 Date Analyzed: 05/01/2022 17:10

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE0151a.D Heated Purge: (Y/N) N

Calibration ID: 37606

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		183864	4.16	819247	5.39	477406	7.07
UPPER LIMIT		367728	4.66	1638494	5.89	954812	7.57
LOWER LIMIT		91932	3.66	409624	4.89	238703	6.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 410-257173/2		199919	4.11	800309	5.34	451904	7.02

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-250389/2 Date Analyzed: 05/01/2022 17:10

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE0151a.D Heated Purge: (Y/N) N

Calibration ID: 37606

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1002967	8.48	1003571	9.83	861476	12.89
UPPER LIMIT		2005934	8.98	2007142	10.33	1722952	13.39
LOWER LIMIT		501484	7.98	501786	9.33	430738	12.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 410-257173/2		830930	8.42	843025	9.77	688756	12.82

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257173/2 Date Analyzed: 05/19/2022 16:11

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE1951a.D Heated Purge: (Y/N) N

Calibration ID: 38038

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		199919	4.11	800309	5.34	451904	7.02
UPPER LIMIT		399838	4.61	1600618	5.84	903808	7.52
LOWER LIMIT		99960	3.61	400155	4.84	225952	6.52
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-256916/1-A		160861	4.11	623910	5.34	349639	7.01
LCS 410-256916/2-A		190884	4.11	712305	5.34	405093	7.02
LCSD 410-256916/3-A		184029	4.11	704326	5.34	416331	7.02
410-84076-1	FBW001_052022	194156	4.11	741611	5.34	410557	7.01
410-84076-1 MS	FBW001_MS_052022 MS	203932	4.11	779023	5.34	433141	7.01
410-84076-1 MSD	FBW001_MSD_052022 MSD	237675	4.11	898809	5.34	493389	7.01
410-84076-4	FBS010_052022	211453	4.11	832829	5.34	446360	7.01
410-84076-5	FBS010_DUP-1_052022	181169	4.11	687150	5.34	396440	7.01
410-84076-3	FBW001_FB_052022	211767	4.11	812956	5.34	462337	7.01

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257173/2 Date Analyzed: 05/19/2022 16:11

Instrument ID: HP20296 GC Column: DB-5MS 20m 0.18 ID: 0.18(mm)

Lab File ID (Standard): LE1951a.D Heated Purge: (Y/N) N

Calibration ID: 38038

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		830930	8.42	843025	9.77	688756	12.82
UPPER LIMIT		1661860	8.92	1686050	10.27	1377512	13.32
LOWER LIMIT		415465	7.92	421513	9.27	344378	12.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-256916/1-A		694047	8.42	693352	9.77	572150	12.81
LCS 410-256916/2-A		766766	8.42	758460	9.77	644363	12.81
LCSD 410-256916/3-A		789821	8.42	762186	9.77	645899	12.81
410-84076-1	FBW001_052022	819413	8.42	785709	9.77	608181	12.81
410-84076-1 MS	FBW001_MS_052022 MS	811359	8.42	780464	9.77	609044	12.81
410-84076-1 MSD	FBW001_MSD_052022 MSD	892274	8.42	843510	9.77	603257	12.81
410-84076-4	FBS010_052022	823041	8.42	789878	9.77	610239	12.81
410-84076-5	FBS010_DUP-1_052022	757645	8.42	741210	9.77	597317	12.81
410-84076-3	FBW001_FB_052022	863392	8.42	813844	9.77	617549	12.81

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Matrix: Water Lab File ID: LE1972.D

Analysis Method: 8270D Date Collected: 05/12/2022 09:22

Extract. Method: 3510C Date Extracted: 05/19/2022 09:46

Sample wt/vol: 243.8(mL) Date Analyzed: 05/20/2022 00:06

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.: 257173 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)	81		10-150
321-60-8	2-Fluorobiphenyl (Surr)	75		44-120
367-12-4	2-Fluorophenol (Surr)	43		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		25-125
4165-62-2	Phenol-d5 (Surr)	28		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	99		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1972.D
Lims ID: 410-84076-B-1-D
Client ID: FBW001_052022
Sample Type: Client
Inject. Date: 20-May-2022 00:06:41 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-1-D
Misc. Info.: 410-0057631-017
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:34:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.824	2.835	-0.011	95	1318778	21.7	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	98	1347409	14.2	
17 Phenol	94		3.755				ND	7
20 2-Chlorophenol	128		3.899				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	97	194156	5.00	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.005	89	1519346	18.1	
48 2,4-Dimethylphenol	107		5.022				ND	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	741611	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2055361	18.7	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	95	410557	5.00	
94 2,4-Dinitrophenol	184		7.087				ND	7
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	93	767420	40.5	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	819413	5.00	
131 Carbazole	167		8.659				ND	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	99	785709	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	3212653	24.7	
* 159 Perylene-d12	264	12.805	12.815	-0.010	98	608181	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

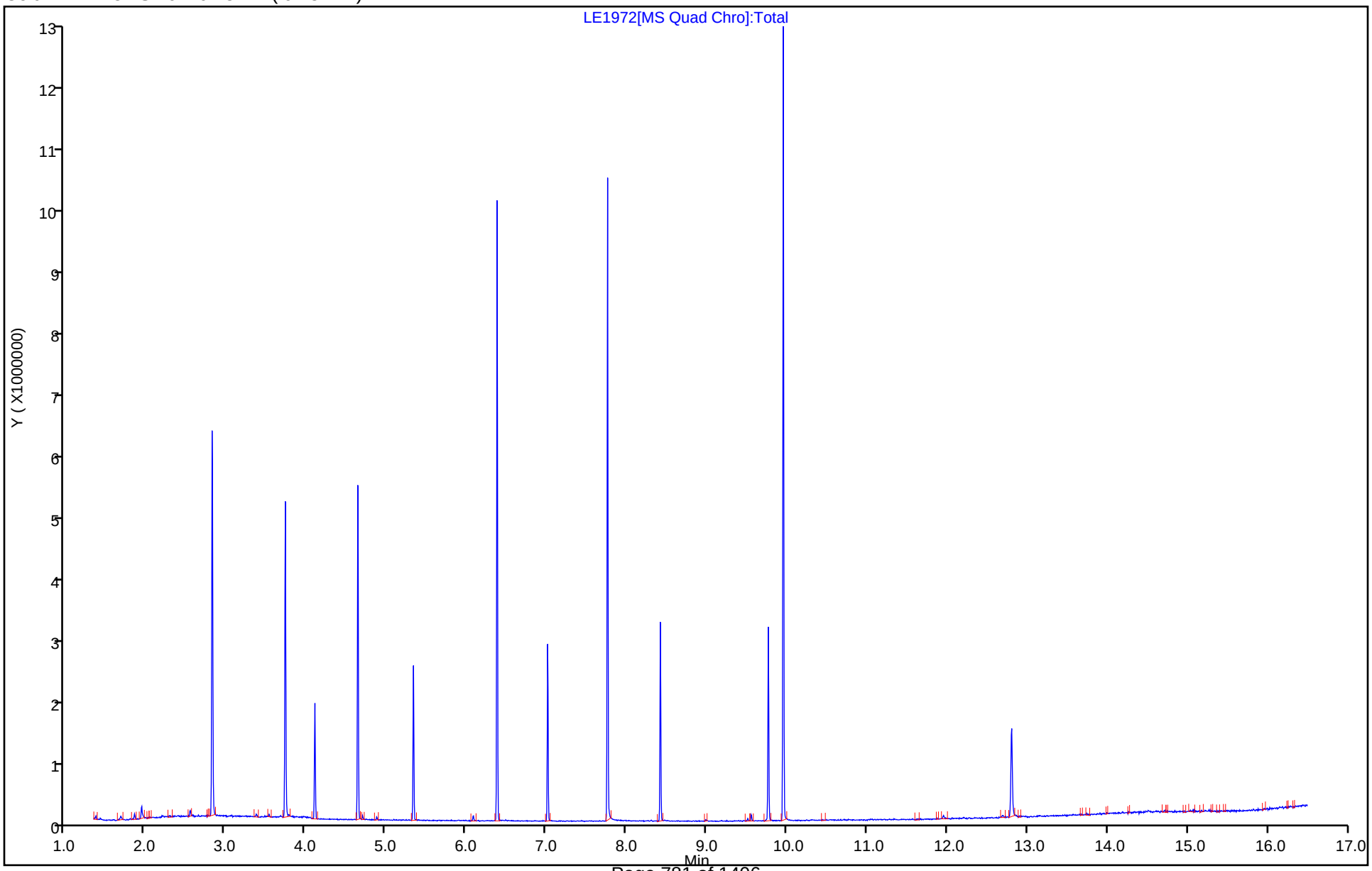
Report Date: 20-May-2022 07:41:55 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1972.D

Injection Date:	20-May-2022 00:06:41	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-B-1-D	Lab Sample ID:	410-84076-1	Worklist Smp#:	17
Client ID:	FBW001_052022				
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\20220519-57631.b\LE1972.D
Lims ID: 410-84076-B-1-D
Client ID: FBW001_052022
Sample Type: Client
Inject. Date: 20-May-2022 00:06:41 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-1-D
Misc. Info.: 410-0057631-017
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:34:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	21.7	43.40
$ 16 Phenol-d5	50.0	14.2	28.31
$ 41 Nitrobenzene-d5	25.0	18.1	72.29
$ 76 2-Fluorobiphenyl (Surr)	25.0	18.7	74.92
$ 113 2,4,6-Tribromophenol	50.0	40.5	81.10
$ 142 p-Terphenyl-d14	25.0	24.7	98.97

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Matrix: Water Lab File ID: LE1977.D

Analysis Method: 8270D Date Collected: 05/12/2022 09:27

Extract. Method: 3510C Date Extracted: 05/19/2022 09:46

Sample wt/vol: 232.6(mL) Date Analyzed: 05/20/2022 01:51

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.: 257173 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	20
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)	74		10-150
321-60-8	2-Fluorobiphenyl (Surr)	76		44-120
367-12-4	2-Fluorophenol (Surr)	43		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	73		25-125
4165-62-2	Phenol-d5 (Surr)	28		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1977.D
Lims ID: 410-84076-A-3-B
Client ID: FBW001_FB_052022
Sample Type: Client
Inject. Date: 20-May-2022 01:51:46 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-A-3-B
Misc. Info.: 410-0057631-022
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.824	2.835	-0.011	95	1418930	21.4	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1449081	14.0	
17 Phenol	94		3.755				ND	7
20 2-Chlorophenol	128		3.899				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	96	211767	5.00	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.005	89	1687014	18.3	
48 2,4-Dimethylphenol	107		5.022				ND	7
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	812956	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2338563	18.9	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	93	462337	5.00	
94 2,4-Dinitrophenol	184		7.087				ND	
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	94	793222	37.2	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	863392	5.00	
131 Carbazole	167		8.659				ND	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	98	813844	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	3152104	23.4	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	617549	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

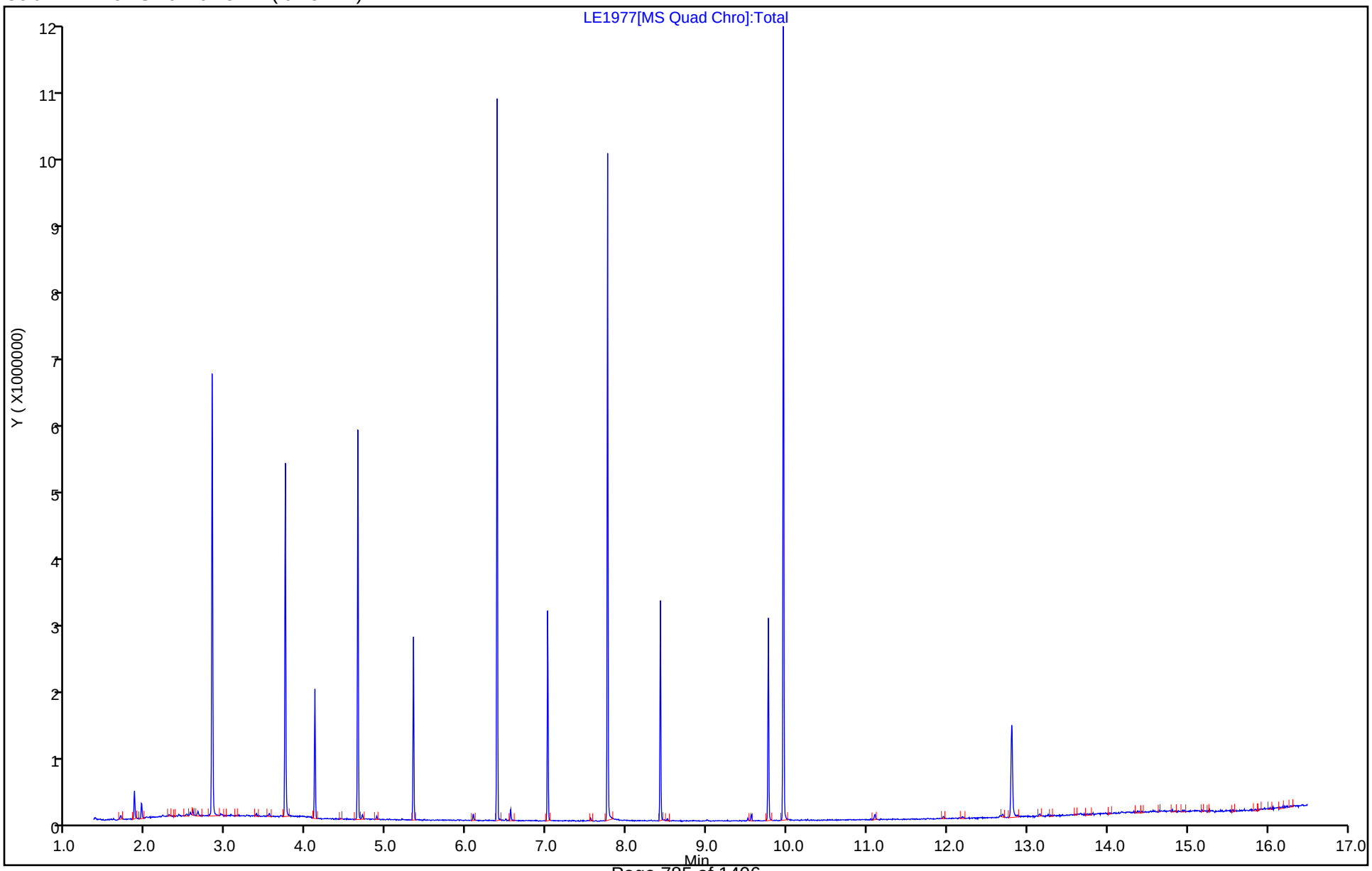
Report Date: 20-May-2022 07:42:16 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1977.D

Injection Date:	20-May-2022 01:51:46	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-A-3-B	Lab Sample ID:	410-84076-3	Worklist Smp#:	22
Client ID:	FBW001_FB_052022				
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\20220519-57631.b\LE1977.D				
Lims ID:	410-84076-A-3-B				
Client ID:	FBW001_FB_052022				
Sample Type:	Client				
Inject. Date:	20-May-2022 01:51:46	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-A-3-B				
Misc. Info.:	410-0057631-022				
Operator ID:	mem41592	Instrument ID:	HP20296		
Method:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	20-May-2022 07:41:49	Calib Date:	19-May-2022 18:50:38		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D				
Column 1 :	DB-5MS 20m 0.18mm (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1673				

First Level Reviewer: bauera Date: 20-May-2022 07:35:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	21.4	42.81
$ 16 Phenol-d5	50.0	14.0	27.92
$ 41 Nitrobenzene-d5	25.0	18.3	73.22
$ 76 2-Fluorobiphenyl (Surr)	25.0	18.9	75.70
$ 113 2,4,6-Tribromophenol	50.0	37.2	74.43
$ 142 p-Terphenyl-d14	25.0	23.4	93.75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_052022
Lab Sample ID: 410-84076-4

Matrix: Water
Lab File ID: LE1975.D

Analysis Method: 8270D
Date Collected: 05/12/2022 09:42

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 246.2(mL)
Date Analyzed: 05/20/2022 01:09

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.: 257173
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)	80		10-150
321-60-8	2-Fluorobiphenyl (Surr)	75		44-120
367-12-4	2-Fluorophenol (Surr)	45		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	74		25-125
4165-62-2	Phenol-d5 (Surr)	30		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1975.D
Lims ID: 410-84076-B-4-B
Client ID: FBS010_052022
Sample Type: Client
Inject. Date: 20-May-2022 01:09:44 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-4-B
Misc. Info.: 410-0057631-020
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.824	2.835	-0.011	95	1496159	22.6	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1556477	15.0	
17 Phenol	94		3.755				ND	7
20 2-Chlorophenol	128		3.899				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	96	211453	5.00	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.005	88	1738440	18.4	
48 2,4-Dimethylphenol	107		5.022				ND	7
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	832829	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2224685	18.6	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	95	446360	5.00	
94 2,4-Dinitrophenol	184		7.087				ND	
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	93	818346	39.8	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	823041	5.00	
131 Carbazole	167		8.659				ND	7
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	98	789878	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	2709105	20.8	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	610239	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

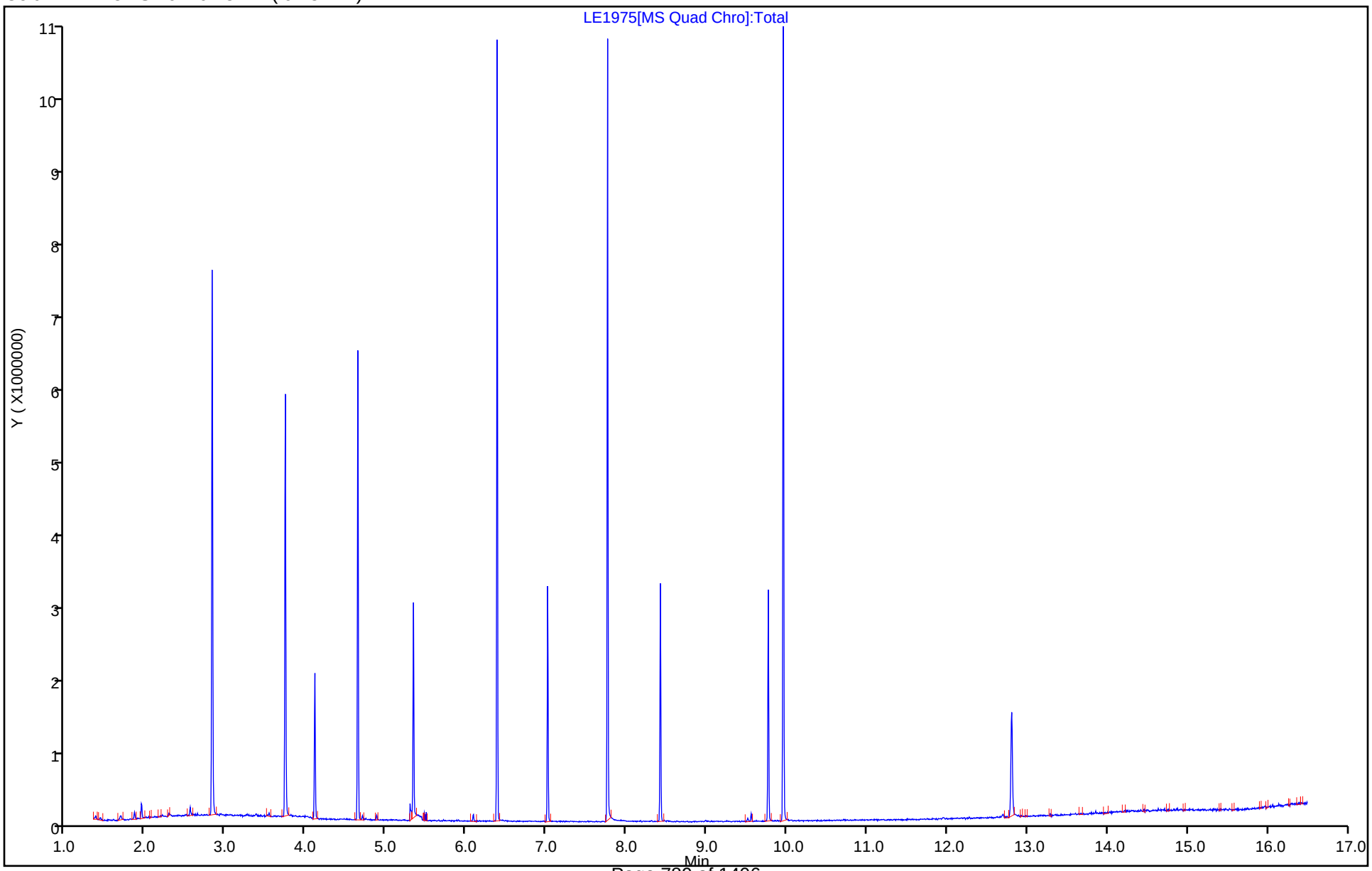
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 20-May-2022 07:42:08 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1975.D				
Injection Date:	20-May-2022 01:09:44	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-B-4-B	Lab Sample ID:	410-84076-4	Worklist Smp#:	20
Client ID:	FBS010_052022				
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\20220519-57631.b\LE1975.D				
Lims ID:	410-84076-B-4-B				
Client ID:	FBS010_052022				
Sample Type:	Client				
Inject. Date:	20-May-2022 01:09:44	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-4-B				
Misc. Info.:	410-0057631-020				
Operator ID:	mem41592	Instrument ID:	HP20296		
Method:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	20-May-2022 07:41:49	Calib Date:	19-May-2022 18:50:38		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D				
Column 1 :	DB-5MS 20m 0.18mm (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1673				

First Level Reviewer: bauera Date: 20-May-2022 07:35:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.6	45.21
$ 16 Phenol-d5	50.0	15.0	30.03
$ 41 Nitrobenzene-d5	25.0	18.4	73.65
$ 76 2-Fluorobiphenyl (Surr)	25.0	18.6	74.59
$ 113 2,4,6-Tribromophenol	50.0	39.8	79.54
$ 142 p-Terphenyl-d14	25.0	20.8	83.02

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Matrix: Water Lab File ID: LE1976.D

Analysis Method: 8270D Date Collected: 05/12/2022 13:00

Extract. Method: 3510C Date Extracted: 05/19/2022 09:46

Sample wt/vol: 242.1(mL) Date Analyzed: 05/20/2022 01:30

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.: 257173 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)	80		10-150
321-60-8	2-Fluorobiphenyl (Surr)	77		44-120
367-12-4	2-Fluorophenol (Surr)	44		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	76		25-125
4165-62-2	Phenol-d5 (Surr)	29		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	97		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1976.D
Lims ID: 410-84076-B-5-B
Client ID: FBS010_DUP-1_052022
Sample Type: Client
Inject. Date: 20-May-2022 01:30:43 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-5-B
Misc. Info.: 410-0057631-021
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.824	2.835	-0.011	96	1251918	22.1	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1306700	14.7	
17 Phenol	94		3.755				ND	7
20 2-Chlorophenol	128		3.899				ND	7
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	95	181169	5.00	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.006	88	1474521	18.9	
48 2,4-Dimethylphenol	107		5.022				ND	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	687150	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2041984	19.3	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	95	396440	5.00	
94 2,4-Dinitrophenol	184		7.087				ND	
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	93	731721	40.0	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	757645	5.00	
131 Carbazole	167		8.659				ND	
* 140 Pyrene-d10 (IS)	212	9.766	9.772	-0.006	98	741210	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	2955920	24.1	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	597317	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

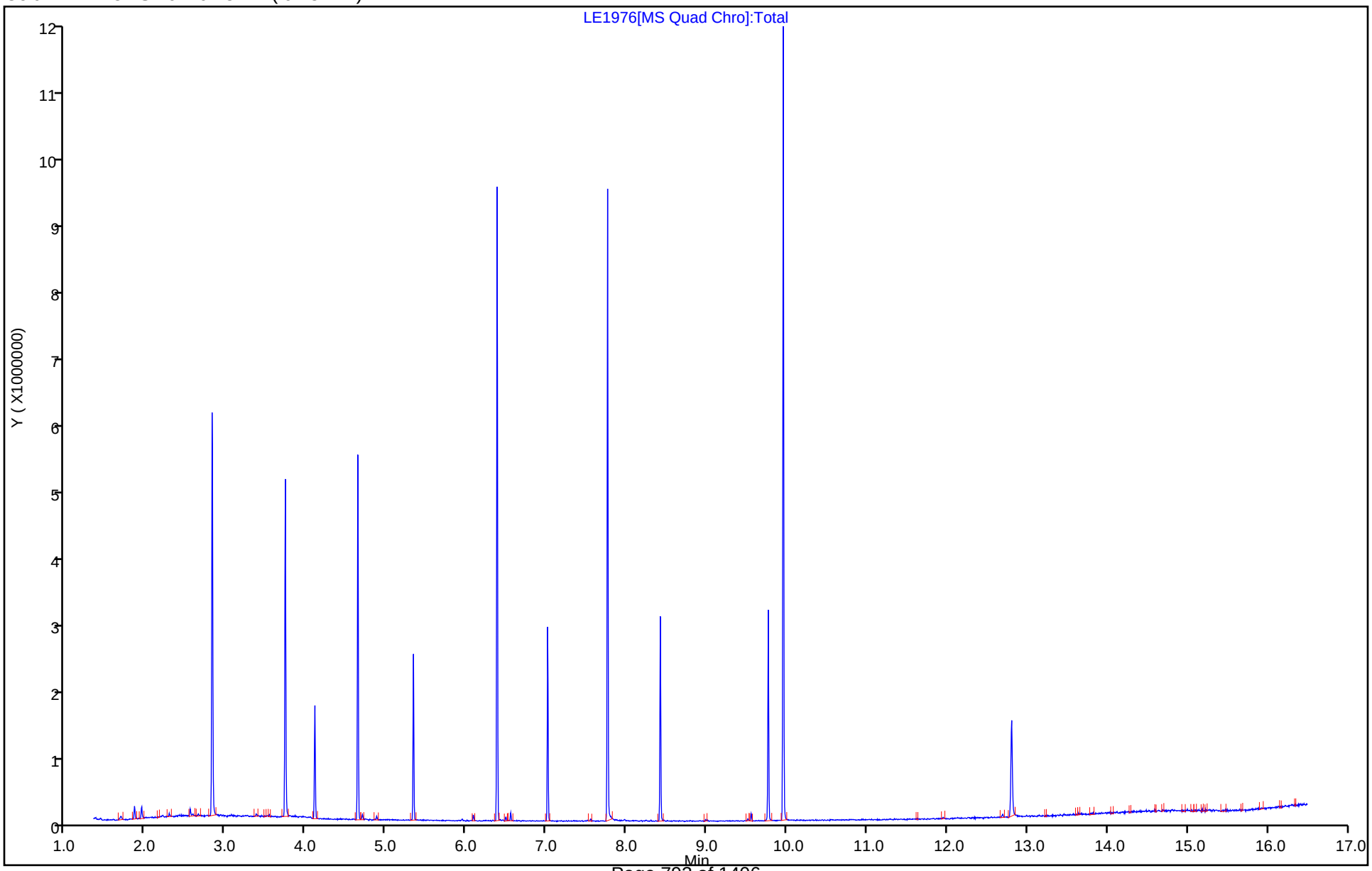
Report Date: 20-May-2022 07:42:12 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1976.D

Injection Date:	20-May-2022 01:30:43	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-B-5-B	Lab Sample ID:	410-84076-5	Worklist Smp#:	21
Client ID:	FBS010_DUP-1_052022				
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\20220519-57631.b\LE1976.D
Lims ID: 410-84076-B-5-B
Client ID: FBS010_DUP-1_052022
Sample Type: Client
Inject. Date: 20-May-2022 01:30:43 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-5-B
Misc. Info.: 410-0057631-021
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.1	44.15
$ 16 Phenol-d5	50.0	14.7	29.43
$ 41 Nitrobenzene-d5	25.0	18.9	75.72
$ 76 2-Fluorobiphenyl (Surr)	25.0	19.3	77.09
$ 113 2,4,6-Tribromophenol	50.0	40.0	80.08
$ 142 p-Terphenyl-d14	25.0	24.1	96.53

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250389/9	LE0158.D
Level 2	IC 410-250389/8	LE0157.D
Level 3	IC 410-250389/7	LE0156.D
Level 4	IC 410-250389/6	LE0155.D
Level 5	IC 410-250389/5	LE0154.D
Level 6	ICIS 410-250389/2	LE0151a.D
Level 7	IC 410-250389/4	LE0153.D
Level 8	IC 410-250389/3	LE0152.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.8030	+++++ 0.8046	1.0850 0.7904	0.8368	0.8639	Ave		0.8640				12.9		20.0			
N-Nitrosodimethylamine	+++++ 1.4436	1.5122 1.4264	1.5661 1.4817	1.3065	1.5873	Ave		1.4748				6.4		20.0			
Pyridine	+++++ 2.2004	2.2736 2.1735	2.1112 2.2190	2.0487	2.2835	Ave		2.1871				3.9		20.0			
N,N-dimethylformamide	+++++ 1.7713	1.6285 1.5812	1.5327 1.6666	1.3515	1.6247	Ave		1.5938				8.2		20.0			
2-Picoline	+++++ 2.3899	2.2687 2.3665	2.1283 2.4081	2.2910	2.5029	Ave		2.3365				5.1		20.0			
N-Nitrosomethylethylamine	+++++ 1.1474	+++++ 1.0555	1.4109 1.0774	1.2740	1.2453	Ave		1.2017				11.2		20.0			
Methyl methanesulfonate	+++++ 1.3053	1.1215 1.2455	1.1694 1.2740	1.2540	1.4133	Ave		1.2547				7.5		20.0			
N-Nitrosodiethylamine	+++++ 1.0025	0.8621 0.9821	0.7826 1.0055	0.9564	1.0522	Ave		0.9491				9.9		20.0			
Ethyl methanesulfonate	+++++ 1.0435	0.8761 1.0140	0.8823 1.0211	0.9592	1.1359	Ave		0.9903				9.3		20.0			
Benzaldehyde	1.8825	2.5601 +++++	2.2952 +++++	2.1838	2.1788	Ave		2.2201			0.0100	11.0		20.0			
Phenol	+++++ 2.8421	2.4378 2.7509	2.4381 2.7466	2.5199	2.9295	Ave		2.6664			0.8000	7.5		20.0			
Aniline	+++++ 3.4262	3.1738 3.2584	3.1152 3.3677	3.1330	3.5964	Ave		3.2958				5.4		20.0			
Bis(2-chloroethyl)ether	+++++ 2.2035	2.2974 2.0954	2.0630 2.1460	2.1783	2.3592	Ave		2.1918			0.7000	4.8		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorophenol	+++++ 1.5142	1.3439 1.4994	1.2876 1.5155	1.3260	1.5817	Ave		1.4383			0.8000	8.0		20.0			
1,3-Dichlorobenzene	+++++ 1.5915	1.7239 1.5170	1.5989 1.5432	1.4690	1.6553	Ave		1.5855				5.4		20.0			
1,4-Dichlorobenzene	+++++ 1.6082	1.5936 1.5306	1.7310 1.5839	1.5042	1.7642	Ave		1.6165				6.0		20.0			
Benzyl alcohol	+++++ 1.3220	1.1545 1.2445	1.1116 1.3053	1.1976	1.3735	Ave		1.2442				7.6		20.0			
1,2-Dichlorobenzene	+++++ 1.5459	1.5975 1.5112	1.6049 1.5374	1.4599	1.6505	Ave		1.5582				4.1		20.0			
2-Methylphenol	+++++ 1.7871	1.5024 1.7152	1.4363 1.7621	1.6108	1.9452	Ave		1.6799			0.7000	10.5		20.0			
2,2'-oxybis[1-chloropropane]	+++++ 3.3721	3.6963 3.2007	3.4517 3.2453	3.3018	3.6684	Ave		3.4195			0.0100	5.8		20.0			
N-Nitrosopyrrolidine	+++++ 1.2422	0.9851 1.1727	1.0019 1.1946	1.1722	1.2950	Ave		1.1519				10.1		20.0			
Acetophenone	+++++ 3.0378	2.7459 2.8292	2.8193 2.9118	2.9130	3.2643	Ave		2.9316			0.0100	5.9		20.0			
4-Methylphenol (and/or 3-Methylphenol)	+++++ 2.0277	1.5443 1.8508	1.7027 1.9048	1.7662	2.0797	Ave		1.8395			0.6000	10.1		20.0			
N-Nitrosodi-n-propylamine	+++++ 2.0407	1.7765 1.8501	1.9319 1.8734	1.9515	2.1439	Ave		1.9383			0.5000	6.4		20.0			
N-Nitrosomorpholine	+++++ 1.9726	1.6041 1.7807	1.7804 1.7886	1.9167	2.1217	Ave		1.8521				9.0		20.0			
o-Toluidine	+++++ 3.4785	3.3467 3.2923	3.2020 3.3744	3.3205	3.6792	Ave		3.3848				4.6		20.0			
Hexachloroethane	+++++ 0.7132	0.7923 0.6940	0.7018 0.7122	0.6617	0.7720	Ave		0.7210			0.3000	6.3		20.0			
Nitrobenzene	+++++ 0.6172	0.6451 0.6170	0.5507 0.6186	0.5779	0.6265	Ave		0.6076			0.2000	5.3		20.0			
N-Nitrosopiperidine	+++++ 0.2294	0.1857 0.2343	0.2202 0.2377	0.2380	0.2408	Ave		0.2266				8.5		20.0			
Isophorone	+++++ 1.1526	1.0695 1.1887	1.0545 1.1212	1.0954	1.1981	Ave		1.1257			0.4000	5.0		20.0			
2-Nitrophenol	+++++ 0.1662	0.1336 0.1856	0.1472 0.1817	0.1443	0.1749	Ave		0.1619			0.1000	12.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dimethylphenol	+++++ 0.4793	0.4062 0.4941	0.4039 0.4828	0.4423	0.4939	Ave		0.4575			0.2000	8.7		20.0			
o,o',o''-Triethylphosphorothioate	+++++ 0.1738	0.2073 0.1745	0.1636 0.1772	0.1633	0.1722	Ave		0.1760				8.4		20.0			
Bis(2-chloroethoxy)methane	+++++ 0.7021	0.6085 0.6834	0.7164 0.6724	0.6619	0.6998	Ave		0.6778			0.3000	5.3		20.0			
2,4-Dichlorophenol	+++++ 0.2997	0.2825 0.3097	0.2520 0.3077	0.2598	0.3010	Ave		0.2875			0.2000	8.1		20.0			
1,2,4-Trichlorobenzene	+++++ 0.3125	0.2976 0.3187	0.3292 0.3208	0.3008	0.3157	Ave		0.3136				3.6		20.0			
Naphthalene	1.1331 1.0801	1.0769 1.1420	1.1060 1.0745	1.0470	1.1337	Ave		1.0992			0.7000	3.2		20.0			
a-Terpineol	+++++ 0.5697	0.4957 0.5948	0.5261 0.5926	0.5526	0.5910	Ave		0.5603				6.8		20.0			
4-Chloroaniline	+++++ 0.5020	0.3877 0.5107	0.4657 0.5016	0.4786	0.5248	Ave		0.4816			0.0100	9.5		20.0			
2,6-Dichlorophenol	+++++ 0.2882	0.2815 0.2981	0.2641 0.2974	0.2625	0.3088	Ave		0.2858				6.2		20.0			
Hexachloropropene	+++++ 0.1909	0.1744 0.2083	0.1942 0.2086	0.2000	0.1954	Ave		0.1959				6.0		20.0			
Hexachlorobutadiene	+++++ 0.1801	0.1825 0.1805	0.1762 0.1768	0.1677	0.1776	Ave		0.1773			0.0100	2.7		20.0			
Quinoline	+++++ 0.8355	0.7153 0.8387	0.8182 0.8353	0.7948	0.8489	Ave		0.8124				5.7		20.0			
Caprolactam	0.1647	0.1040 0.1506	0.1332 0.1510	0.1371	0.1609	Ave		0.1431			0.0100	14.5		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4640	+++++ 0.5657	0.4194 0.5701	0.4466	0.4446	Ave		0.4851				13.5		20.0			
1,4-phenylenediamine	+++++ 0.6757	+++++ 0.6992	0.5009 0.6799	0.6376	0.7181	Ave		0.6519				12.1		20.0			
4-Chloro-3-methylphenol	+++++ 0.4376	0.3358 0.4448	0.3921 0.4459	0.4052	0.4517	Ave		0.4162			0.2000	10.1		20.0			
Safrole, Total	+++++ 0.2813	0.2290 0.2817	0.2402 0.2839	0.2684	0.2806	Ave		0.2664				8.5		20.0			
2-Methylnaphthalene	0.8261 0.7209	0.7131 0.7247	0.6955 0.7134	0.6728	0.7397	Ave		0.7258			0.4000	6.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.8155 0.6836	0.6685 0.7045	0.6828 0.6908	0.6564	0.7062	Ave		0.7010				7.0		20.0			
Hexachlorocyclopentadiene	+++++ 0.3694	0.3109 0.3973	0.3426 0.3824	0.3205	0.3548	Ave		0.3540			0.0500	8.9		20.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.5812	0.5994 0.5869	0.5899 0.5756	0.5472	0.5738	Ave		0.5791			0.0100	2.9		20.0			
Isosafrole Peak 1	+++++ 0.5584	0.4840 0.5459	0.5348 0.5469	0.4608	0.5161	Ave		0.5210				7.0		20.0			
2,4,6-Trichlorophenol	+++++ 0.3851	0.3540 0.3900	0.3247 0.3834	0.3274	0.3796	Ave		0.3635			0.2000	7.7		20.0			
2,4,5-Trichlorophenol	+++++ 0.4394	0.3555 0.4508	0.3511 0.4259	0.3713	0.4348	Ave		0.4041			0.2000	10.6		20.0			
Isosafrole Peak 2	+++++ 0.5859	0.5911 0.6092	0.5238 0.6108	0.5602	0.6055	Ave		0.5838				5.4		20.0			
1,1'-Biphenyl	+++++ 1.5908	1.4855 1.6037	1.5032 1.5476	1.4946	1.5822	Ave		1.5440			0.0100	3.2		20.0			
2-Chloronaphthalene	+++++ 1.1016	1.2251 1.2041	1.1161 1.2100	1.2035	1.2492	Ave		1.1871			0.8000	4.7		20.0			
1-Chloronaphthalene	+++++ 1.2345	1.1420 1.1923	1.1904 1.1274	1.0345	1.0853	Ave		1.1438				6.0		20.0			
Diphenyl ether	+++++ 0.8006	0.8222 0.8209	0.7799 0.7894	0.7601	0.7983	Ave		0.7959				2.8		20.0			
2-Nitroaniline	+++++ 0.4107	0.3212 0.4275	0.3461 0.4244	0.3269	0.4178	Ave		0.3821			0.0100	12.6		20.0			
1,4-Naphthoquinone	+++++ 0.5027	+++++ 0.5097	0.4204 0.4908	0.4486	0.5048	Ave		0.4795				7.6		20.0			
1,4-Dinitrobenzene	+++++ 0.2072	0.1425 0.2217	0.1732 0.2153	0.1753	0.1943	Ave		0.1899				14.8		20.0			
Dimethyl phthalate	+++++ 1.5324	1.4735 1.5214	1.5036 1.4713	1.3784	1.4818	Ave		1.4804			0.0100	3.4		20.0			
1,3-Dinitrobenzene	+++++ 0.2261	0.1979 0.2325	0.1557 0.2274	0.1996	0.2269	Ave		0.2094				13.2		20.0			
2,6-Dinitrotoluene	+++++ 0.3349	0.1896 0.3331	0.2836 0.3233	0.2994	0.3156	Ave		0.2971			0.2000	17.1		20.0			
Acenaphthylene	1.6781 1.9824	1.7458 1.9958	1.7592 1.8516	1.7878	1.8960	Ave		1.8371			0.9000	6.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3-Nitroaniline	+++++ 0.3863	+++++ 0.3880	0.3231 0.3874	0.3542	0.3639	Ave		0.3671			0.0100	7.0		20.0			
Acenaphthene	1.3643 1.2972	1.2385 1.3227	1.2463 1.2819	1.2144	1.3093	Ave		1.2843			0.9000	3.8		20.0			
2,4-Dinitrophenol	+++++ 0.1657	+++++ 0.1841	0.1134 0.1866	0.1283	0.1516	Ave		0.1550			0.0100	19.2		20.0			
4-Nitrophenol	+++++ 0.2921	+++++ 0.2904	0.2235 0.2860	0.2276	0.2875	Ave		0.2679			0.0100	12.3		20.0			
Pentachlorobenzene	+++++ 0.5395	0.5272 0.5425	0.5511 0.5235	0.5042	0.5230	Ave		0.5301				2.9		20.0			
2,4-Dinitrotoluene	0.3819 0.4794	0.3851 0.4586	0.4267 0.4387	0.4040	0.4459	Ave		0.4276			0.2000	8.2		20.0			
Dibenzofuran	+++++ 1.8269	1.7698 1.8118	1.7410 1.6980	1.6836	1.7895	Ave		1.7601			0.8000	3.1		20.0			
1-Naphthylamine	+++++ 1.5175	1.2060 1.5351	1.2545 1.5076	1.3414	1.5106	Ave		1.4104				9.9		20.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.3639	+++++ 0.3697	0.3623 0.3676	0.3335	0.3577	Ave		0.3591			0.0100	3.7		20.0			
2-Naphthylamine	+++++ 1.5568	1.1201 1.5682	1.3768 1.5142	1.4865	1.5324	Ave		1.4507				11.0		20.0			
Diethyl phthalate	+++++ 1.5613	1.3055 1.5324	1.4285 1.5125	1.4210	1.5527	Ave		1.4734			0.0100	6.3		20.0			
Thionazin	+++++ 0.3292	0.2549 0.3099	0.2720 0.3110	0.2779	0.3118	Ave		0.2953				9.1		20.0			
Fluorene	1.5438 1.4758	1.3931 1.4628	1.3486 1.4112	1.3921	1.4650	Ave		1.4365			0.9000	4.3		20.0			
4-Chlorophenyl-phenyl ether	+++++ 0.6893	0.7720 0.6752	0.6613 0.6437	0.6237	0.6597	Ave		0.6750			0.4000	7.1		20.0			
5-Nitro-o-toluidine	+++++ 0.4752	0.3313 0.4537	0.3712 0.4472	0.3950	0.4670	Ave		0.4201				13.0		20.0			
4-Nitroaniline	+++++ 0.4389	0.3459 0.3993	0.3413 0.3911	0.3775	0.4268	Ave		0.3887			0.0100	9.6		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1037	0.0699 0.1197	0.0811 0.1186	0.0928	0.1043	Ave		0.0986			0.0100	18.8		20.0			
N-Nitrosodiphenylamine	+++++ 0.6088	0.6258 0.6430	0.6433 0.6268	0.6135	0.6215	Ave		0.6261			0.0100	2.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	+++++ 1.1488	1.1653 1.2501	1.1449 1.0255	1.2108	1.1858	Ave		1.1616				6.1		20.0			
Sulfotepp	+++++ 0.1752	0.1530 0.1831	0.1605 0.1803	0.1678	0.1782	Ave		0.1711				6.5		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0742	+++++ 0.0821	+++++ 0.0851	0.0590	0.0732	Ave		0.0747				13.6		20.0			
cis-Diallate	+++++ 0.4487	0.4725 0.4891	0.4836 0.4861	0.4916	0.4663	Ave		0.4768				3.2		20.0			
Phorate	+++++ 0.7281	0.6276 0.7934	0.6557 0.7951	0.7250	0.7366	Ave		0.7231				8.7		20.0			
Phenacetin	+++++ 0.5074	0.3692 0.5293	0.3755 0.5320	0.4540	0.5046	Ave		0.4674				14.9		20.0			
4-Bromophenyl-phenylether	+++++ 0.1941	0.1989 0.2037	0.1964 0.1997	0.2130	0.1998	Ave		0.2008			0.1000	3.1		20.0			
trans-Diallate	+++++ 0.4450	+++++ 0.4943	0.5265 0.4775	0.5197	0.4876	Ave		0.4917				6.0		20.0			
Hexachlorobenzene	0.2240 0.2405	0.2909 0.2495	0.2568 0.2447	0.2484	0.2379	Ave		0.2491			0.1000	7.8		20.0			
Dimethoate	+++++ 0.4677	+++++ 0.4899	0.3595 0.4738	0.4379	0.4757	Ave		0.4508				10.6		20.0			
Atrazine		0.1873 0.2304	0.2553 0.2184	0.2375	0.2256	Ave		0.2281			0.0100	9.5		20.0			
Pentachlorophenol	+++++ 0.1316	0.0609 0.1482	0.1012 0.1487	0.1169	0.1340	Lin2	-0.039	0.1353			0.0500				0.9910		0.9900
4-Aminobiphenyl	+++++ 0.9121	0.7245 0.9675	0.8534 0.9512	0.8903	0.9226	Ave		0.8888				9.2		20.0			
Pentachloronitrobenzene	+++++ 0.1013	0.0815 0.1130	0.0950 0.1131	0.1034	0.1076	Ave		0.1021				10.9		20.0			
Pronamide	+++++ 0.3660	+++++ 0.3870	0.3073 0.3836	0.3412	0.3643	Ave		0.3582				8.3		20.0			
Dinoseb	+++++ 0.1431	+++++ 0.1712	0.0883 0.1788	0.1155	0.1418	Lin1	-0.154	0.1748							0.9920		0.9900
Phenanthrene	1.1630 1.0905	1.2351 1.1108	1.1190 1.0184	1.0934	1.1158	Ave		1.1182			0.7000	5.6		20.0			
Disulfoton	+++++ 0.7502	0.6184 0.7660	0.6733 0.7594	0.7333	0.7508	Ave		0.7216				7.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Anthracene	1.0490 1.0893	1.1166 1.1380	1.1151 1.0543	1.1010	1.1287	Ave		1.0990			0.7000	3.0		20.0			
Carbazole	+++++ 1.0538	0.9004 1.0898	0.9851 0.9859	1.0280	1.0534	Ave		1.0138			0.0100	6.2		20.0			
Methyl parathion	+++++ 0.3087	+++++ 0.3365	0.2393 0.3380	0.2667	0.3196	Ave		0.3015				13.3		20.0			
Di-n-butyl phthalate	+++++ 1.2772	0.9811 1.3689	1.0444 1.1077	1.1551	1.2352	Ave		1.1671			0.0100	11.6		20.0			
Parathion	+++++ 0.1882	+++++ 0.2074	0.1431 0.2060	0.1589	0.1900	Ave		0.1823				14.3		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0748	+++++ 0.0949	+++++ 0.0963	0.0502	0.0627	Lin1	-0.239	0.1027							0.9920		0.9900
Octachlorostyrene	+++++ 0.0961	0.1307 0.0987	0.1040 0.0989	0.0914	0.0977	Ave		0.1025				12.7		20.0			
Isodrin	+++++ 0.1254	0.1615 0.1318	0.1286 0.1302	0.1257	0.1228	Ave		0.1323				10.0		20.0			
Fluoranthene	1.1738 1.1940	1.1239 1.2307	1.0956 1.0531	1.1560	1.2224	Ave		1.1562			0.6000	5.4		20.0			
Benzidine	+++++ 0.8092	+++++ 0.6371	0.6132 +++++	0.6938	0.7676	Ave		0.7042				11.9		20.0			
Pyrene	1.3778 1.2512	1.4085 1.2882	1.3288 1.1668	1.2178	1.2281	Ave		1.2834			0.6000	6.5		20.0			
p-Dimethylamino azobenzene	+++++ 0.2122	+++++ 0.2257	0.1437 0.2326	0.1763	0.1944	Ave		0.1975				16.9		20.0			
Chlorobenzilate	+++++ 0.3902	0.2637 0.4078	0.3127 0.4230	0.3461	0.3870	Ave		0.3615				15.8		20.0			
3,3'-Dimethylbenzidine	+++++ 0.7047	+++++ 0.7083	0.5407 0.6643	0.5864	0.6871	Ave		0.6486				10.7		20.0			
Butylbenzylphthalate	+++++ 0.5654	+++++ 0.5911	0.4267 0.5991	0.4900	0.5429	Ave		0.5359			0.0100	12.4		20.0			
2-Acetylaminofluorene	+++++ 0.4271	+++++ 0.4813	0.2497 0.4848	0.3071	0.4011	Lin1	-0.416	0.4863							0.9950		0.9900
3,3'-Dichlorobenzidine	+++++ 0.4249	+++++ 0.4511	0.3259 0.4327	0.3508	0.4093	Ave		0.3991			0.0100	12.4		20.0			
Benzo[a]anthracene	0.8110 1.1237	0.8822 1.1474	0.9556 1.1345	0.9706	1.0665	Ave		1.0114			0.8000	12.4		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2395	+++++ 0.2562	0.1888 0.2462	0.2003	0.2373	Ave		0.2281				11.9		20.0			
Chrysene	0.9981 1.1221	1.0408 1.0950	1.0064 1.0995	0.9922	1.0794	Ave		1.0542			0.7000	4.9		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.7555	+++++ 0.7945	0.5412 0.8068	0.6117	0.7068	Ave		0.7027			0.0100	15.1		20.0			
6-Methylchrysene	+++++ 0.7523	0.5575 0.7662	0.5953 0.7700	0.6392	0.7024	Ave		0.6833				12.7		20.0			
Di-n-octyl phthalate	+++++ 1.3467	+++++ 1.5014	0.8167 1.5843	1.0114	1.2487	Lin1	-1.332	1.5541			0.0100				0.9940		0.9900
Benzo[b]fluoranthene	0.9566 1.2901	1.1338 1.3104	1.1744 1.3806	1.2098	1.2667	Ave		1.2153			0.7000	10.8		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5711	+++++ 0.5900	0.4180 0.6029	0.4974	0.5526	Ave		0.5387				12.9		20.0			
Benzo[k]fluoranthene	1.2646 1.4447	1.1329 1.3915	1.2684 1.3525	1.2937	1.4210	Ave		1.3212			0.7000	7.7		20.0			
Benzo[a]pyrene	0.9507 1.1163	0.7814 1.1587	0.9012 1.1598	0.9793	1.0637	Ave		1.0139			0.7000	13.3		20.0			
3-Methylcholanthrene	+++++ 0.5903	+++++ 0.6433	0.3916 0.6651	0.4912	0.5666	Ave		0.5580				18.3		20.0			
Dibenz[a,h]acridine	+++++ 0.9672	+++++ 0.9919	0.7397 1.0240	0.8418	0.9323	Ave		0.9162				11.6		20.0			
Dibenz[a,j]acridine	+++++ 1.0864	+++++ 1.1017	0.8296 1.1111	0.9149	1.0476	Ave		1.0152				11.4		20.0			
Indeno[1,2,3-cd]pyrene	0.8147 1.0652	0.7312 1.0520	0.8510 1.0600	0.8690	1.0527	Ave		0.9370			0.5000	14.4		20.0			
Dibenz(a,h)anthracene	0.8418 1.1996	0.8963 1.2185	1.0269 1.2447	1.0796	1.1551	Ave		1.0828			0.4000	13.9		20.0			
Benzo[g,h,i]perylene	0.9734 1.2611	0.9301 1.2284	1.0323 1.2579	1.1072	1.2673	Ave		1.1322			0.5000	12.3		20.0			
2-Fluorophenol (Surr)	+++++ 1.5986	1.4993 1.6045	1.5086 1.6507	1.4448	1.6486	Ave		1.5650				5.1		20.0			
Phenol-d5 (Surr)	+++++ 2.6406	2.1214 2.5333	2.2714 2.5702	2.3124	2.7076	Ave		2.4510				8.9		20.0			
Nitrobenzene-d5 (Surr)	+++++ 0.5713	0.5144 0.6033	0.5655 0.5675	0.5513	0.5944	Ave		0.5668				5.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl (Surr)	+++++ 1.3950	1.3990 1.4173	1.3682 1.1361	1.2780	1.3610	Ave		1.3364				7.4		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.2364	+++++ 0.2458	0.2026 0.2424	0.2142	0.2416	Ave		0.2305				7.7		20.0			
p-Terphenyl-d14 (Surr)	+++++ 0.8618	0.8496 0.8307	0.8884 0.6835	0.8304	0.8393	Ave		0.8262				8.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250389/9	LE0158.D
Level 2	IC 410-250389/8	LE0157.D
Level 3	IC 410-250389/7	LE0156.D
Level 4	IC 410-250389/6	LE0155.D
Level 5	IC 410-250389/5	LE0154.D
Level 6	ICIS 410-250389/2	LE0151a.D
Level 7	IC 410-250389/4	LE0153.D
Level 8	IC 410-250389/3	LE0152.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	+++++ 369123	+++++ 817553	63328 1189319	129391	242726	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd 4	Ave	+++++ 663546	22053 1449340	91408 2229567	202011	445984	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd 4	Ave	+++++ 2022868	66313 4416828	246452 6677955	633559	1283130	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd 4	Ave	+++++ 814199	23749 1606589	89459 2507736	208976	456487	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd 4	Ave	+++++ 1098545	33086 2404507	124225 3623508	354244	703231	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd 4	Ave	+++++ 527402	+++++ 1072465	82349 1621221	196988	349893	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd 4	Ave	+++++ 599997	16355 1265474	68257 1917096	193905	397093	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd 4	Ave	+++++ 460808	12573 997863	45680 1513064	147875	295620	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd 4	Ave	+++++	12777	51501	148318	319156	+++++	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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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
			479643	1030328	1536475			12.5	20.0	30.0		
Benzaldehyde	DCBd 4	Ave	865312	37335 +++++	133966 +++++	337671	612167	12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd 4	Ave	+++++ 1306401	35551 2795152	142306 4132839	389641	823082	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd 4	Ave	+++++ 1574883	46285 3310725	181826 5067510	484437	1010460	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd 4	Ave	+++++ 1012877	33504 2129063	120414 3229131	336819	662852	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd 4	Ave	+++++ 696033	19598 1523456	75157 2280394	205032	444408	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 731557	25140 1541336	93323 2322070	227138	465083	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 739222	23240 1555241	101036 2383371	232588	495672	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd 4	Ave	+++++ 607682	16837 1264466	64883 1964111	185177	385910	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 710608	23297 1535444	93676 2313318	225729	463717	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd 4	Ave	+++++ 821438	21910 1742716	83834 2651425	249074	546522	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	+++++ 1550033	53905 3252105	201470 4883288	510540	1030684	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd 4	Ave	+++++	14366	58479	181245	363850	+++++	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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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
			570993	1191514	1797513			12.5	20.0	30.0		
Acetophenone	DCBd 4	Ave	+++++ 1396354	40044 2874643	164558 4381484	450426	917151	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	+++++ 932061	22521 1880497	99382 2866264	273099	584320	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	+++++ 938015	25907 1879829	112763 2818943	301742	602341	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	+++++ 906746	23393 1809288	103918 2691361	296361	596126	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	+++++ 1598936	48806 3345213	186897 5077641	513422	1033713	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	+++++ 327845	11554 705174	40960 1071608	102312	216913	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	+++++ 1264047	37575 2523800	132243 3883708	391499	807078	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	+++++ 469761	10818 958203	52873 1492537	161226	310190	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	+++++ 2360750	62295 4861836	253232 7038913	742155	1543504	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	+++++ 340442	7781 758989	35348 1140656	97754	225271	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	+++++ 981580	23659 2020894	96997 3031151	299651	636313	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 355958	12072 713871	39292 1112588	110662	221900	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1437924	35445 2795079	172038 4221204	448476	901571	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	+++++ 613743	16453 1266638	60514 1931450	176035	387791	+++++ 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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 639989	17334 1303635	79059 2013799	203805	406746	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	27363 2212077	62727 4671078	265594 6745705	709373	1460503	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	+++++ 1166848	28872 2432686	126332 3720229	374417	761337	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 1028108	22581 2088897	111841 3149180	324289	676124	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	+++++ 590321	16399 1219457	63411 1866798	177836	397844	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	+++++ 390891	10156 851903	46632 1309469	135518	251675	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	+++++ 368784	10631 738084	42322 1109813	113606	228750	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	+++++ 1711241	41667 3430593	196487 5244122	538485	1093613	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	 337321	6055 616111	31985 947649	92903	207300	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 950270	+++++ 2313812	100728 3578765	302575	572796	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 1384011	+++++ 2859680	120292 4268355	431952	925139	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	+++++ 896337	19562 1819272	94151 2799461	274548	581935	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	+++++ 576092	13341 1152137	57671 1782295	181868	361484	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	19950 1476515	41537 2964162	167029 4478637	455825	952942	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	19694 1400174	38938 2881566	163962 4336750	444741	909789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 440829	10468 921939	49489 1407083	131196	277761	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	+++++ 693630	20178 1361803	85218 2118211	223995	449205	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 106635	2607 202700	12361 322017	30176	64647	+++++ 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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 459662	11918 904893	46908 1410922	134031	297139	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++ 524461	11968 1046073	50715 1567402	151965	340343	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	+++++ 587427	16716 1187411	63562 1888147	192606	398163	+++++ 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	+++++ 1898648	50011 3721464	217165 5695230	611780	1238620	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	+++++ 1314813	41244 2794036	161235 4452655	492614	977905	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	+++++ 1473354	38446 2766748	171977 4148876	423433	849624	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	+++++ 955506	27681 1904839	112667 2904882	311144	624903	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 490145	10812 992014	49994 1561846	133798	327037	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	+++++ 599972	+++++ 1182816	60733 1806009	183619	395156	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 247310	4796 514444	25020 792302	71744	152125	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	+++++ 1828958	49607 3530523	217222 5414324	564209	1160026	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 269813	6663 539481	22491 836944	81688	177637	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 399715	6383 773011	40975 1189878	122563	247077	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	23989 2365970	58774 4631293	254144 6813764	731802	1484253	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 461045	+++++ 900267	46682 1425432	144968	284861	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	19503 1548282	41696 3069284	180051 4717275	497075	1024961	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 395537	+++++ 854495	65531 1373221	157603	276916	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 697301	+++++ 1347707	96872 2104723	186352	450157	+++++ 25.0	+++++ 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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 643852	17749 1258973	79615 1926403	206365	409401	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	5460 572191	12963 1064226	61640 1614576	165376	349093	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	+++++ 2180385	59580 4204190	251513 6248495	689133	1400848	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	+++++ 1811129	40601 3562143	181227 5547781	549076	1182505	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 434351	+++++ 857823	52341 1352742	136531	279995	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	+++++ 1858065	37708 3639044	198894 5572268	608480	1199579	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	+++++ 1863436	43949 3555890	206372 5565822	581653	1215462	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	+++++ 392877	8583 719190	39294 1144556	113744	244086	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	22069 1761337	46898 3394319	194828 5193052	569816	1146841	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	+++++ 822745	25989 1566873	95535 2368907	255289	516453	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 567207	11152 1052789	53631 1645661	161682	365606	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 523841	11644 926517	49309 1439094	154515	334104	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 519896	27182 1083708	70280 1692920	142703	329879	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	+++++ 1297623	34486 2474225	158014 3802043	400790	835002	+++++ 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	+++++ 2880501	75546 5659292	330816 7317314	930613	1874353	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	+++++ 439259	9919 829150	46374 1286554	128936	281603	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 185955	+++++ 371722	+++++ 607535	45325	115744	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 832496	22667 1638657	103406 2567009	279581	545392	+++++ 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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 1825733	40688 3591791	189475 5673262	557209	1164379	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 1272252	23933 2396297	108500 3796097	348916	797556	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	+++++ 486737	12895 922239	56746 1424809	163708	315890	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 290078	+++++ 581824	39553 885841	103850	200390	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	6414 603026	18861 1129359	74201 1746150	190938	376126	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 1172649	+++++ 2218085	103878 3380764	336551	751983	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	 607004	12144 1042862	73784 1558681	182555	356656	 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Lin2	+++++ 660007	7892 1342132	58485 2122136	179728	423637	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	+++++ 2287078	46964 4380088	246593 6787304	684271	1458280	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	+++++ 253909	5283 511362	27452 806873	79433	170046	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 917732	+++++ 1751819	88783 2737126	262222	575925	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin1	+++++ 358741	+++++ 774896	25503 1275853	88787	224083	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	33303 2734302	80067 5028984	323358 7267032	840330	1763749	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1881147	40089 3467996	194551 5418715	563612	1186788	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	30041 2731291	72387 5151866	322220 7522921	846161	1784080	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	+++++ 2642440	58370 4933819	284649 7034839	790080	1665091	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 774032	+++++ 1523480	69159 2412127	205010	505116	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	+++++ 3202515	63603 6197334	301775 7903927	887811	1952448	+++++ 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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 471970	+++++ 938902	41349 1470281	122111	300403	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin1	+++++ 187458	+++++ 429589	+++++ 686994	38614	99101	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 240862	8473 446982	30061 705962	70276	154438	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 314538	10472 596465	37153 929184	96647	194065	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	33614 2993942	72858 5571550	316584 7514328	888497	1932229	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 6090947	+++++ 8584226	515996 +++++	1660015	3747211	+++++ 37.5	+++++ 60.0	3.75 +++++	11.3	22.5
Pyrene	PYR10	Ave	38317 3139050	89610 5786090	372755 7902774	971219	1998434	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 532393	+++++ 1013760	40309 1575499	140576	316344	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 978861	16776 1831823	87711 2864854	276000	629762	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1768039	+++++ 3181431	151675 4499391	467700	1118010	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1418646	+++++ 2655072	119683 4058075	390819	883461	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Lin1	+++++ 1071508	+++++ 2161975	70053 3283557	244944	652624	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 1066043	+++++ 2026266	91425 2930670	279803	666015	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	22553	56128	268056	774035	1735540	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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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
			2819199	5153872	7684327			12.5	20.0	30.0		
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 601013	+++++ 1150973	52951 1667539	159753	386126	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	27759 2815351	66217 4918190	282297 7447056	791279	1756443	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1895410	+++++ 3568668	151812 5464664	487862	1150084	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	+++++ 1887506	35469 3441623	166993 5215176	509776	1143048	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Lin1	+++++ 2900287	+++++ 5784287	185377 8975695	638177	1689920	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	20752 2778566	58004 5048527	266557 7821780	763348	1714311	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 1230006	+++++ 2273214	94866 3415593	313858	747884	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	27433 3111497	57961 5361040	287892 7662473	816280	1923155	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	20623 2404235	39977 4464019	204546 6570412	617927	1439564	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 1271391	+++++ 2478321	88888 3768234	309943	766875	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	+++++ 2083120	+++++ 3821390	167895 5801297	531154	1261737	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 2339712	+++++ 4244656	188296 6295018	577285	1417833	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	17674 2294007	37409 4052885	193140 6005377	548275	1424706	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	18260 2583461	45856 4694630	233065 7051660	681196	1563221	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	21115 2715973	47587 4732784	234300 7126279	698583	1715036	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.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

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	+++++ 1469580	43731 3260622	176114 4967625	446800	926368	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	+++++ 2427520	61874 5148079	265158 7734908	715113	1521465	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 2340350	59919 4935401	271626 7124760	747028	1531496	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	+++++ 3329949	94195 6577777	395316 8361925	1046215	2130902	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 564181	+++++ 1140890	58535 1784380	175348	378190	+++++ 25.0	+++++ 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	+++++ 4324150	108105 7462001	498434 9258964	1324592	2731626	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250389

SDG No.:

Instrument ID: HP20296 GC Column: DB-5MS 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2022 17:10 Calibration End Date: 05/01/2022 20:46 Calibration ID: 37606

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250389/9	LE0158.D
Level 2	IC 410-250389/8	LE0157.D
Level 3	IC 410-250389/7	LE0156.D
Level 4	IC 410-250389/6	LE0155.D
Level 5	IC 410-250389/5	LE0154.D
Level 6	ICIS 410-250389/2	LE0151a.D
Level 7	IC 410-250389/4	LE0153.D
Level 8	IC 410-250389/3	LE0152.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
Pentachlorophenol	+++++ 10.3	3.1 10.4	-13.6	-9.7	1.0	-1.6	30	50 30	30	30	30	30
Dinoseb	+++++ 2.4	+++++ 5.3	21.0	-10.4	-7.1	-11.1	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ 4.0	+++++ 1.5	+++++	11.0	-7.9	-8.6	30	30		50	30	30
2-Acetylaminofluorene	+++++ 3.2	+++++ 2.5	19.8	-14.0	-6.1	-5.3	30	30	50	30	30	30
Di-n-octyl phthalate	+++++ 0.9	+++++ 4.8	21.1	-12.1	-8.2	-6.5	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 01-May-2022 17:10:02 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:07:45 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: mcgowanm Date: 01-May-2022 17:49:52

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	1.551	1.551	0.000	93	369123	12.5	11.6	M
2 N-Nitrosodimethylamine	74	1.765	1.765	0.000	93	663546	12.5	12.2	
3 Pyridine	79	1.808	1.808	0.000	92	2022868	25.0	25.2	M
4 Dimethylformamide	73	2.091	2.091	0.000	96	814199	12.5	13.9	
5 2-Picoline	93	2.385	2.385	0.000	94	1098545	12.5	12.8	
6 N-Nitrosomethylethylamine	88	2.466	2.466	0.000	92	527402	12.5	11.9	
9 Methyl methanesulfonate	80	2.733	2.733	0.000	85	599997	12.5	13.0	
$ 10 2-Fluorophenol	112	2.883	2.883	0.000	95	1469580	25.0	25.5	
11 N-Nitrosodiethylamine	102	3.102	3.102	0.000	90	460808	12.5	13.2	
13 Ethyl methanesulfonate	109	3.402	3.402	0.000	95	479643	12.5	13.2	
15 Benzaldehyde	77	3.733	3.733	0.000	89	865312	12.5	10.6	
$ 16 Phenol-d5	99	3.792	3.792	0.000	99	2427520	25.0	26.9	
17 Phenol	94	3.803	3.803	0.000	98	1306401	12.5	13.3	
18 Aniline	93	3.835	3.835	0.000	94	1574883	12.5	13.0	
19 Bis(2-chloroethyl)ether	93	3.904	3.904	0.000	88	1012877	12.5	12.6	
20 2-Chlorophenol	128	3.953	3.953	0.000	87	696033	12.5	13.2	
22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	91	731557	12.5	12.5	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	96	183864	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	87	739222	12.5	12.4	
27 Benzyl alcohol	108	4.295	4.295	0.000	89	607682	12.5	13.3	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	91	710608	12.5	12.4	
31 2-Methylphenol	108	4.402	4.402	0.000	98	821438	12.5	13.3	
32 2,2'-oxybis[1-chloropropane]	45	4.434	4.434	0.000	94	1550033	12.5	12.3	
34 N-Nitrosopyrrolidine	100	4.530	4.530	0.000	93	570993	12.5	13.5	
35 Acetophenone	105	4.552	4.552	0.000	85	1396354	12.5	13.0	
36 4-Methylphenol	108	4.552	4.552	0.000	87	932061	12.5	13.8	
37 N-Nitrosodi-n-propylamine	70	4.557	4.557	0.000	85	938015	12.5	13.2	
38 N-Nitrosomorpholine	56	4.573	4.573	0.000	89	906746	12.5	13.3	
39 2-Toluidine	106	4.584	4.584	0.000	95	1598936	12.5	12.8	
40 Hexachloroethane	117	4.653	4.653	0.000	95	327845	12.5	12.4	
$ 41 Nitrobenzene-d5	82	4.696	4.696	0.000	90	2340350	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.717	4.717	0.000	87	1264047	12.5	12.7	
44 N-Nitrosopiperidine	114	4.862	4.862	0.000	84	469761	12.5	12.7	
46 Isophorone	82	4.947	4.947	0.000	98	2360750	12.5	12.8	
47 2-Nitrophenol	139	5.022	5.022	0.000	87	340442	12.5	12.8	
48 2,4-Dimethylphenol	107	5.070	5.070	0.000	99	981580	12.5	13.1	
49 o,o',o''-Triethylphosphorothioat	198	5.145	5.145	0.000	94	355958	12.5	12.3	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	93	1437924	12.5	12.9	
52 2,4-Dichlorophenol	162	5.258	5.258	0.000	94	613743	12.5	13.0	
54 1,2,4-Trichlorobenzene	180	5.338	5.338	0.000	93	639989	12.5	12.5	
* 55 Naphthalene-d8	136	5.391	5.391	0.000	98	819247	5.00	5.00	
56 Naphthalene	128	5.413	5.413	0.000	98	2212077	12.5	12.3	
26 Alpha-Terpineol	59	5.429	5.429	0.000	89	1166848	12.5	12.7	
57 4-Chloroaniline	127	5.466	5.466	0.000	91	1028108	12.5	13.0	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	78	590321	12.5	12.6	
59 Hexachloropropene	213	5.498	5.498	0.000	91	390891	12.5	12.2	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	96	368784	12.5	12.7	
62 Quinoline	129	5.728	5.728	0.000	92	1711241	12.5	12.9	
64 Caprolactam	113	5.782	5.782	0.000	76	337321	12.5	14.4	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	92	950270	12.5	12.0	
33 p-Phenylene diamine	108	5.803	5.803	0.000	92	1384011	12.5	13.0	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	93	896337	12.5	13.1	
67 Safrole, Total	162	6.001	6.001	0.000	81	576092	12.5	13.2	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	92	1476515	12.5	12.4	
70 1-Methylnaphthalene	142	6.172	6.172	0.000	92	1400174	12.5	12.2	
71 Hexachlorocyclopentadiene	237	6.231	6.231	0.000	96	440829	12.5	13.0	
72 1,2,4,5-Tetrachlorobenzene	216	6.236	6.236	0.000	98	693630	12.5	12.5	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	84	106635	2.00	2.14	
74 2,4,6-Trichlorophenol	196	6.349	6.349	0.000	85	459662	12.5	13.2	
75 2,4,5-Trichlorophenol	196	6.381	6.381	0.000	89	524461	12.5	13.6	
$ 76 2-Fluorobiphenyl (Surr)	172	6.434	6.434	0.000	99	3329949	25.0	26.1	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	83	587427	10.5	10.5	
79 1,1'-Biphenyl	154	6.525	6.525	0.000	94	1898648	12.5	12.9	
80 2-Chloronaphthalene	162	6.541	6.541	0.000	47	1314813	12.5	11.6	M
81 1-Chloronaphthalene	162	6.557	6.557	0.000	96	1473354	12.5	13.5	Ma
82 Phenyl ether	170	6.632	6.632	0.000	87	955506	12.5	12.6	
83 2-Nitroaniline	138	6.638	6.638	0.000	72	490145	12.5	13.4	
84 1,4-Naphthoquinone	158	6.712	6.712	0.000	77	599972	12.5	13.1	
85 1,4-Dinitrobenzene	168	6.777	6.777	0.000	85	247310	12.5	13.6	
86 Dimethyl phthalate	163	6.825	6.825	0.000	96	1828958	12.5	12.9	
87 1,3-Dinitrobenzene	168	6.846	6.846	0.000	81	269813	12.5	13.5	
88 2,6-Dinitrotoluene	165	6.878	6.878	0.000	82	399715	12.5	14.1	
90 Acenaphthylene	152	6.932	6.932	0.000	99	2365970	12.5	13.5	
91 3-Nitroaniline	138	7.028	7.028	0.000	85	461045	12.5	13.2	
* 92 Acenaphthene-d10	164	7.065	7.065	0.000	94	477406	5.00	5.00	
93 Acenaphthene	153	7.098	7.098	0.000	96	1548282	12.5	12.6	
94 2,4-Dinitrophenol	184	7.135	7.135	0.000	74	395537	25.0	26.7	
96 4-Nitrophenol	109	7.199	7.199	0.000	87	697301	25.0	27.3	
98 Pentachlorobenzene	250	7.221	7.221	0.000	97	643852	12.5	12.7	
99 2,4-Dinitrotoluene	165	7.258	7.258	0.000	85	572191	12.5	14.0	
100 Dibenzofuran	168	7.263	7.263	0.000	96	2180385	12.5	13.0	
101 1-Naphthylamine	143	7.338	7.338	0.000	96	1811129	12.5	13.4	
102 2,3,4,6-Tetrachlorophenol	232	7.381	7.381	0.000	79	434351	12.5	12.7	

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	7.413	7.413	0.000	94	1858065	12.5	13.4	
104 Diethyl phthalate	149	7.499	7.499	0.000	96	1863436	12.5	13.2	
106 Thionazin	107	7.574	7.574	0.000	76	392877	12.5	13.9	
105 Fluorene	166	7.590	7.590	0.000	90	1761337	12.5	12.8	
108 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	90	822745	12.5	12.8	
107 N-Nitro-o-toluidine	152	7.600	7.600	0.000	84	567207	12.5	14.1	
109 4-Nitroaniline	138	7.606	7.606	0.000	78	523841	12.5	14.1	
110 4,6-Dinitro-2-methylphenol	198	7.643	7.643	0.000	70	519896	25.0	26.3	
111 N-Nitrosodiphenylamine	169	7.707	7.707	0.000	97	1297623	10.6	10.3	
112 1,2-Diphenylhydrazine	77	7.745	7.745	0.000	99	2880501	12.5	12.4	a
$ 113 2,4,6-Tribromophenol	330	7.814	7.814	0.000	91	564181	25.0	25.6	
114 Sulfotepp	97	7.878	7.878	0.000	79	439259	12.5	12.8	
175 1,3,5-Trinitrobenzene	213	7.969	7.969	0.000	81	185955	12.5	12.4	
115 cis-Diallate	86	7.991	7.991	0.000	90	832496	9.25	8.70	
116 Phorate	75	7.996	7.996	0.000	94	1825733	12.5	12.6	
117 Phenacetin	108	8.012	8.012	0.000	91	1272252	12.5	13.6	
118 4-Bromophenyl phenyl ether	248	8.060	8.060	0.000	76	486737	12.5	12.1	
119 trans-Diallate	86	8.076	8.076	0.000	96	290078	3.25	2.94	
120 Hexachlorobenzene	284	8.108	8.108	0.000	95	603026	12.5	12.1	
121 Dimethoate	87	8.151	8.151	0.000	96	1172649	12.5	13.0	
122 Atrazine	200	8.226	8.226	0.000	83	607004	12.5	13.3	
123 Pentachlorophenol	266	8.296	8.296	0.000	91	660007	25.0	24.6	
125 Pentachloronitrobenzene	237	8.306	8.306	0.000	47	253909	12.5	12.4	
124 4-Aminobiphenyl	169	8.306	8.306	0.000	92	2287078	12.5	12.8	
126 Pronamide	173	8.376	8.376	0.000	91	917732	12.5	12.8	
* 127 Phenanthrene-d10	188	8.478	8.478	0.000	96	1002967	5.00	5.00	
128 Dinoseb	211	8.483	8.483	0.000	91	358741	12.5	11.1	
68 Disulfoton	88	8.499	8.499	0.000	82	1881147	12.5	13.0	
129 Phenanthrene	178	8.499	8.499	0.000	90	2734302	12.5	12.2	
130 Anthracene	178	8.547	8.547	0.000	98	2731291	12.5	12.4	
131 Carbazole	167	8.708	8.708	0.000	96	2642440	12.5	13.0	
132 Methyl parathion	109	8.852	8.852	0.000	90	774032	12.5	12.8	
133 Di-n-butyl phthalate	149	9.066	9.066	0.000	99	3202515	12.5	13.7	
134 Ethyl Parathion	109	9.226	9.226	0.000	81	471970	12.5	12.9	
135 4-Nitroquinoline-1-oxide	190	9.237	9.237	0.000	77	187458	12.5	11.4	
136 Octachlorostyrene	308	9.456	9.456	0.000	92	240862	12.5	11.7	
137 Isodrin	193	9.488	9.488	0.000	85	314538	12.5	11.9	
138 Fluoranthene	202	9.627	9.627	0.000	99	2993942	12.5	12.9	
S 63 Diallate	86				0		12.5	11.6	
139 Benzidine	184	9.772	9.772	0.000	99	6090947	37.5	43.1	
* 140 Pyrene-d10 (IS)	212	9.825	9.825	0.000	98	1003571	5.00	5.00	
141 Pyrene	202	9.841	9.841	0.000	95	3139050	12.5	12.2	
$ 142 p-Terphenyl-d14	244	10.013	10.013	0.000	99	4324150	25.0	26.1	
143 p-Dimethylamino azobenzene	225	10.146	10.146	0.000	92	532393	12.5	13.4	
144 Chlorobenzilate	139	10.200	10.200	0.000	85	978861	12.5	13.5	
145 3,3'-Dimethylbenzidine	212	10.483	10.483	0.000	98	1768039	12.5	13.6	
146 Butyl benzyl phthalate	149	10.510	10.510	0.000	92	1418646	12.5	13.2	
147 2-Acetylaminofluorene	181	10.740	10.740	0.000	95	1071508	12.5	11.8	
148 3,3'-Dichlorobenzidine	252	11.056	11.056	0.000	76	1066043	12.5	13.3	
149 Benzo[a]anthracene	228	11.066	11.066	0.000	98	2819199	12.5	13.9	
150 4,4'-Methylene bis(2-chloroanil	231	11.066	11.066	0.000	67	601013	12.5	13.1	
151 Chrysene	228	11.104	11.104	0.000	97	2815351	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
152 Bis(2-ethylhexyl) phthalate	149	11.163	11.163	0.000	93	1895410	12.5	13.4	
153 6-Methylchrysene	242	11.639	11.639	0.000	99	1887506	12.5	13.8	
154 Di-n-octyl phthalate	149	11.970	11.970	0.000	98	2900287	12.5	11.7	
155 Benzo[b]fluoranthene	252	12.382	12.382	0.000	98	2778566	12.5	13.3	
156 7,12-Dimethylbenz(a)anthracene	256	12.382	12.382	0.000	83	1230006	12.5	13.3	
157 Benzo[k]fluoranthene	252	12.419	12.419	0.000	99	3111497	12.5	13.7	
158 Benzo[a]pyrene	252	12.815	12.815	0.000	80	2404235	12.5	13.8	
* 159 Perylene-d12	264	12.890	12.890	0.000	96	861476	5.00	5.00	
160 3-Methylcholanthrene	268	13.313	13.313	0.000	92	1271391	12.5	13.2	
161 Dibenz[a,h]acridine	279	14.072	14.072	0.000	92	2083120	12.5	13.2	
162 Dibenz[a,j]acridine	279	14.142	14.142	0.000	95	2339712	12.5	13.4	
163 Indeno[1,2,3-cd]pyrene	276	14.382	14.382	0.000	99	2294007	12.5	14.2	
164 Dibenz(a,h)anthracene	278	14.425	14.425	0.000	94	2583461	12.5	13.8	
165 Benzo[g,h,i]perylene	276	14.773	14.773	0.000	96	2715973	12.5	13.9	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00027 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:07:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D

Injection Date: 01-May-2022 17:10:02 Instrument ID: HP20296 Operator ID: mem41592

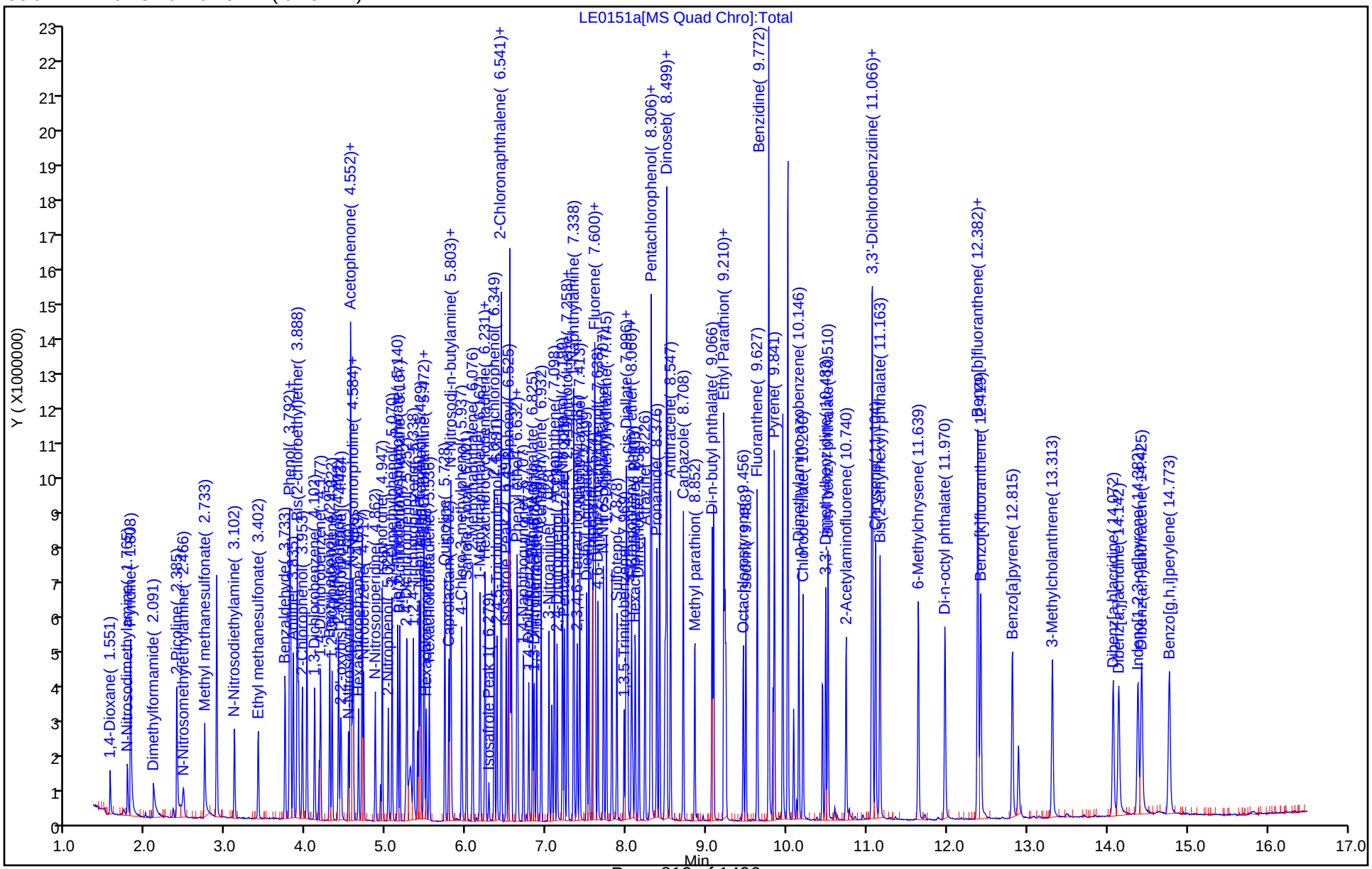
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

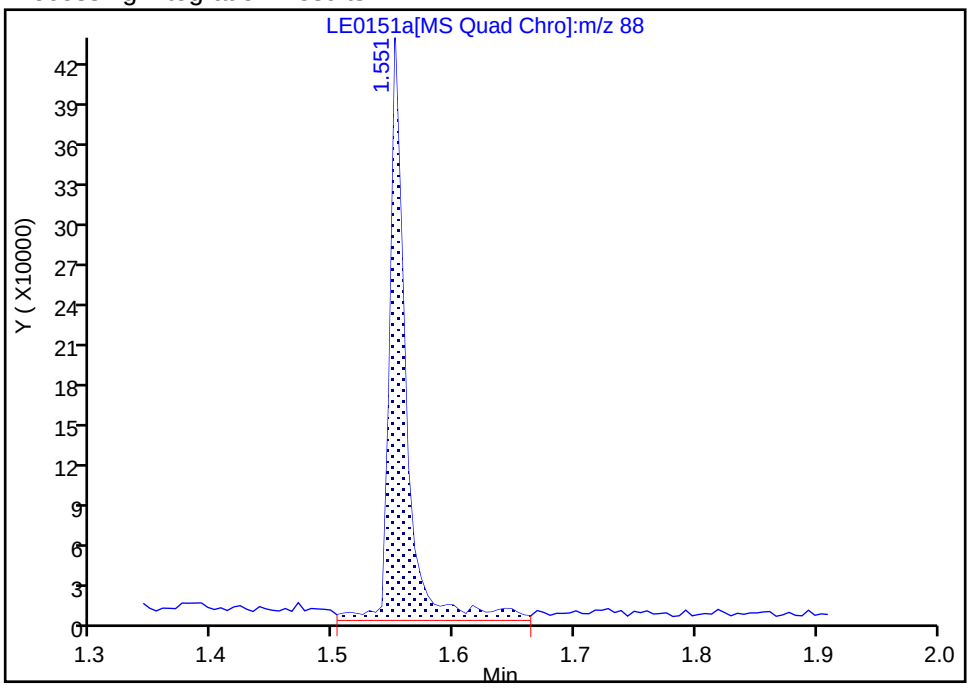
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D				
Injection Date:	01-May-2022 17:10:02	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

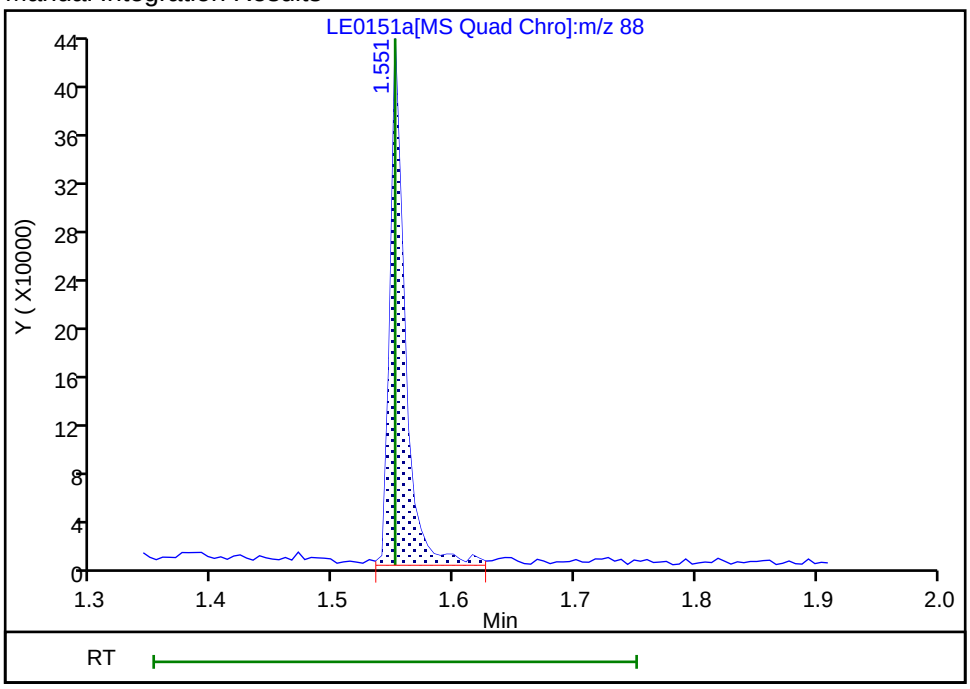
Processing Integration Results

RT: 1.55
Area: 407577
Amount: 11.735994
Amount Units: ug/ml



Manual Integration Results

RT: 1.55
Area: 369123
Amount: 11.618564
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:24:11

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

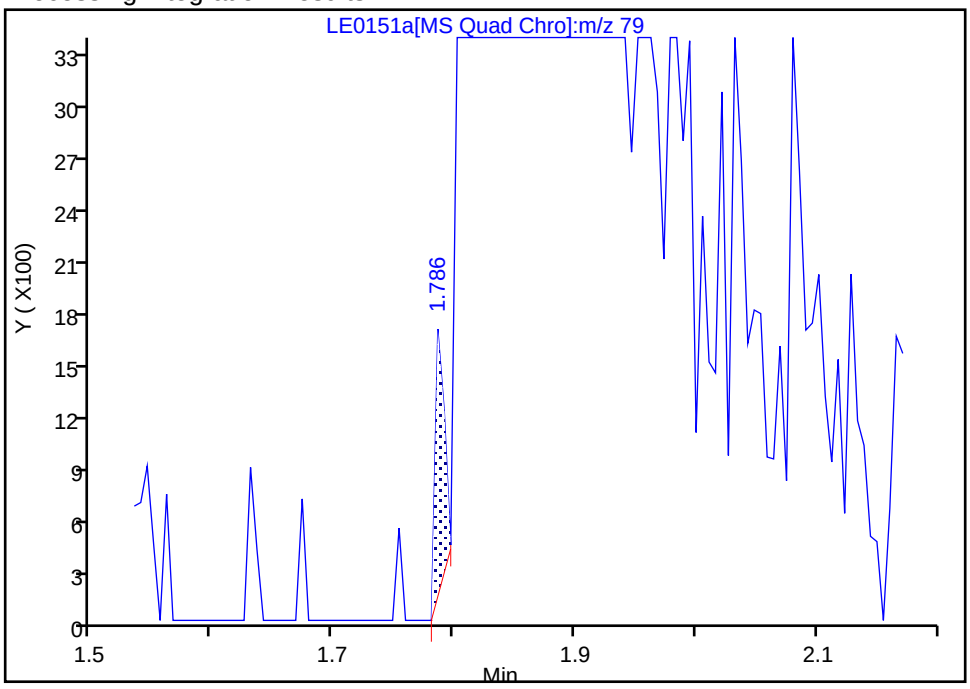
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D				
Injection Date:	01-May-2022 17:10:02	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1

Signal: 1

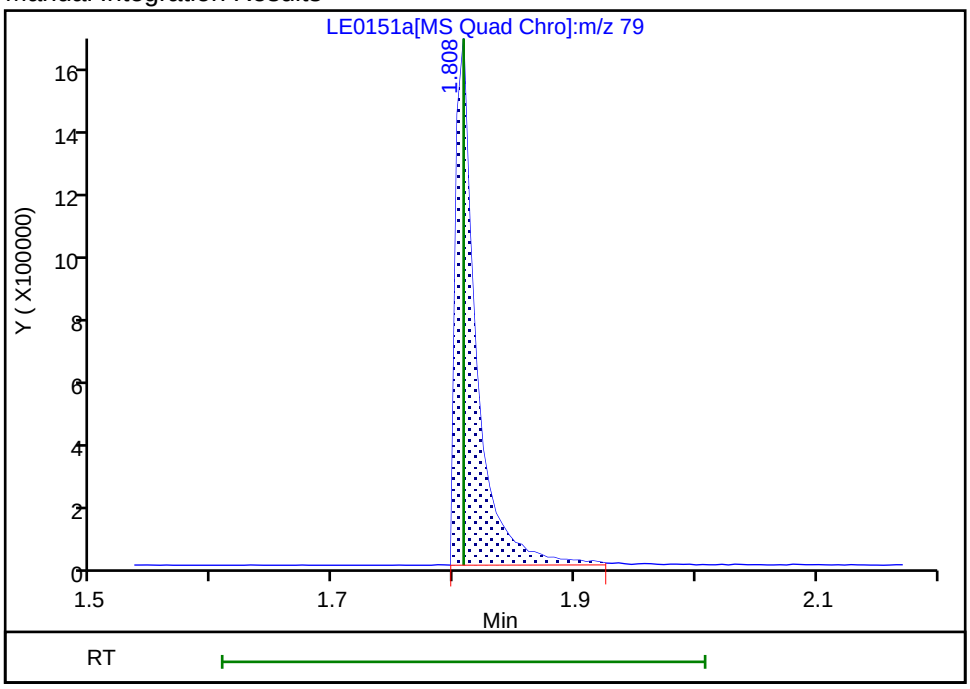
Processing Integration Results

RT: 1.79
Area: 805
Amount: 0.019723
Amount Units: ug/ml



Manual Integration Results

RT: 1.81
Area: 2022868
Amount: 25.151833
Amount Units: ug/ml



Reviewer: mcgowanm, 01-May-2022 18:23:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

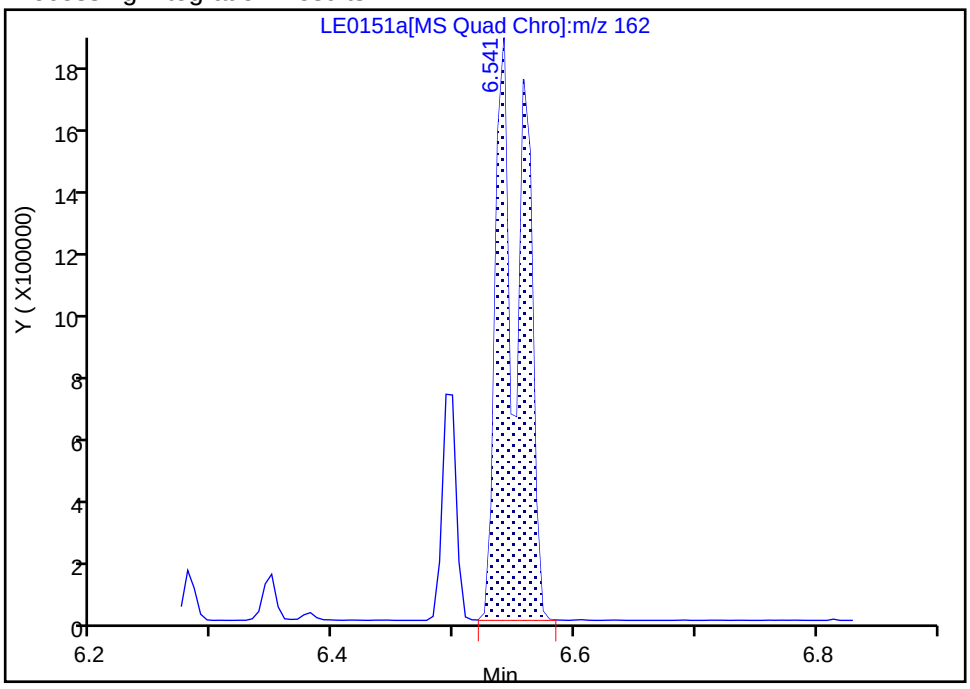
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D				
Injection Date:	01-May-2022 17:10:02	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

80 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

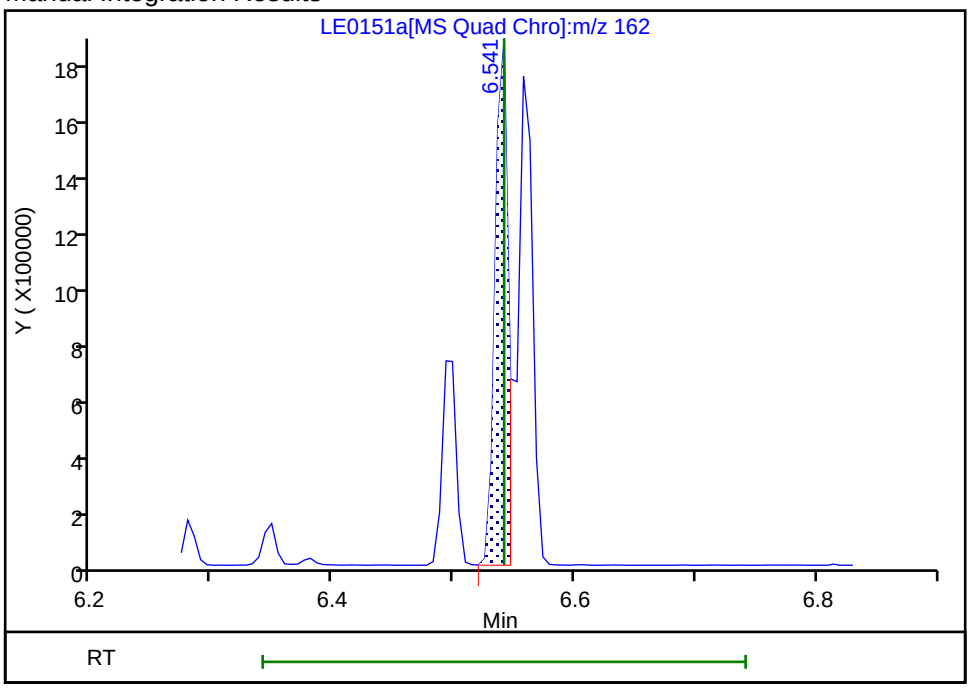
Processing Integration Results

RT: 6.54
Area: 2788167
Amount: 16.469602
Amount Units: ug/ml



Manual Integration Results

RT: 6.54
Area: 1314813
Amount: 11.600262
Amount Units: ug/ml



Reviewer: mcgowanm, 01-May-2022 18:24:19

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

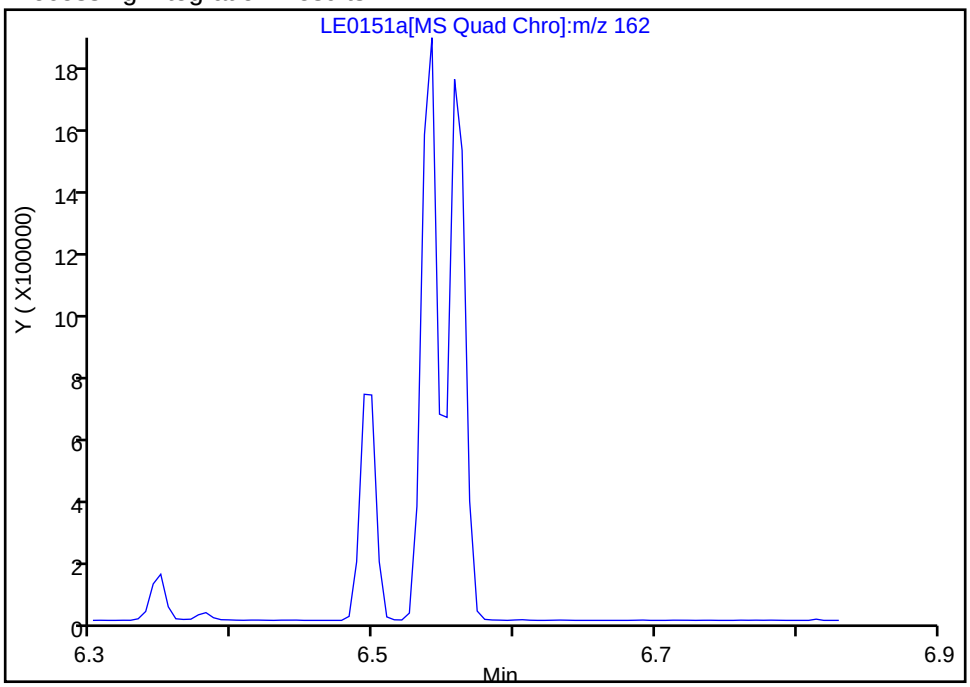
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D				
Injection Date:	01-May-2022 17:10:02	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

81 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

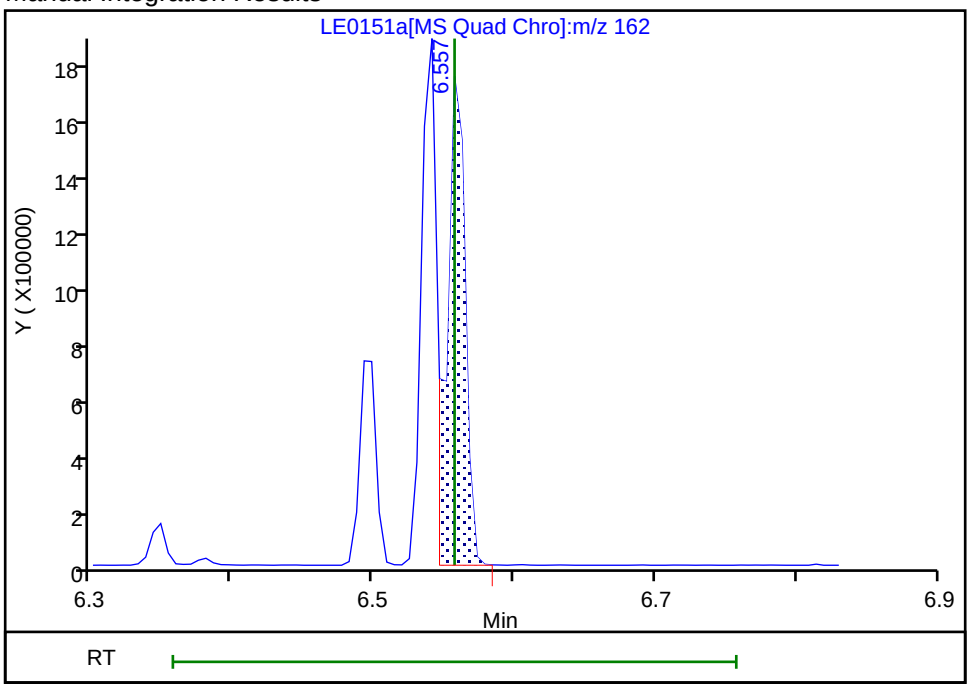
Not Detected
Expected RT: 6.56

Processing Integration Results



Manual Integration Results

RT: 6.56
Area: 1473354
Amount: 13.491146
Amount Units: ug/ml



Reviewer: mcgowanm, 01-May-2022 18:24:27
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

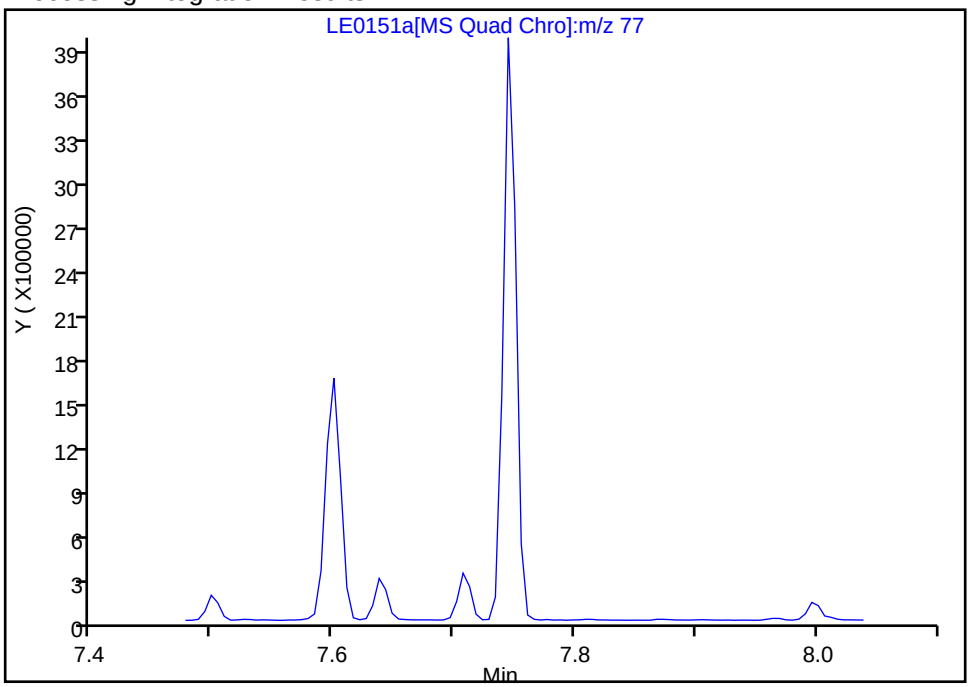
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0151a.D				
Injection Date:	01-May-2022 17:10:02	Instrument ID:	HP20296		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

112 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

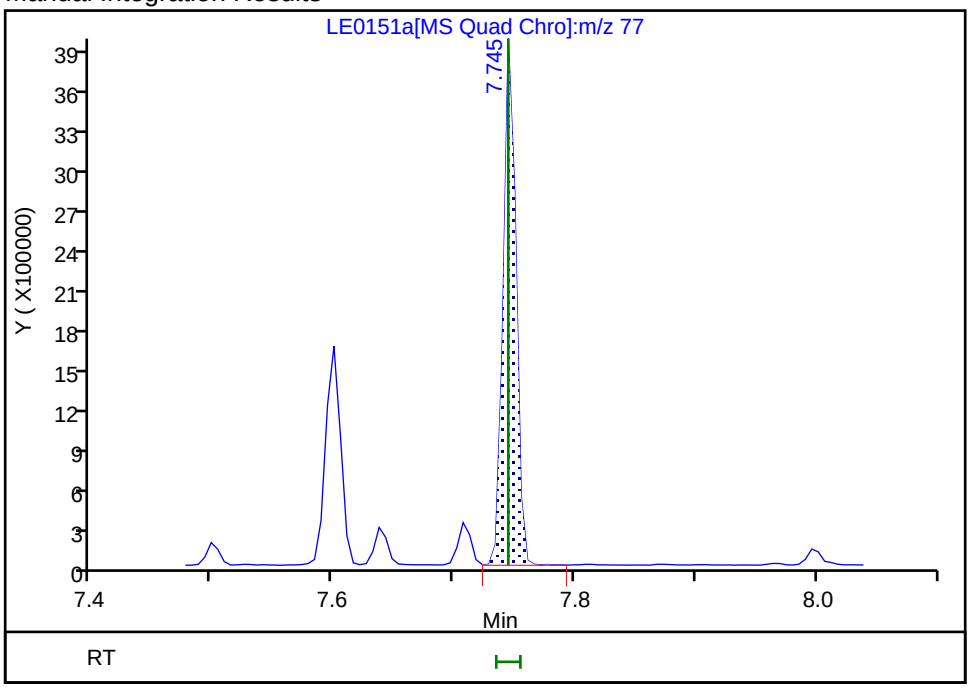
Not Detected
Expected RT: 7.74

Processing Integration Results



Manual Integration Results

RT: 7.74
Area: 2880501
Amount: 12.362285
Amount Units: ug/ml



Reviewer: mcgowanm, 01-May-2022 17:44:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0152.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 01-May-2022 17:47:46 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL8
Misc. Info.: 410-0056151-003
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:07:54 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 11:31:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.546	1.546	0.000	93	1189319	30.0	27.4	M
2 N-Nitrosodimethylamine	74	1.765	1.765	0.000	91	2229567	30.0	30.1	
3 Pyridine	79	1.797	1.797	0.000	93	6677955	60.0	60.9	
4 Dimethylformamide	73	2.075	2.075	0.000	95	2507736	30.0	31.4	
5 2-Picoline	93	2.380	2.380	0.000	92	3623508	30.0	30.9	
6 N-Nitrosomethylethylamine	88	2.466	2.466	0.000	95	1621221	30.0	26.9	
9 Methyl methanesulfonate	80	2.733	2.733	0.000	83	1917096	30.0	30.5	
$ 10 2-Fluorophenol	112	2.888	2.888	0.000	96	4967625	60.0	63.3	
11 N-Nitrosodiethylamine	102	3.108	3.108	0.000	92	1513064	30.0	31.8	
13 Ethyl methanesulfonate	109	3.402	3.402	0.000	95	1536475	30.0	30.9	
15 Benzaldehyde	77	3.733	3.733	0.000	90	1315735	30.0	11.8	
$ 16 Phenol-d5	99	3.798	3.798	0.000	98	7734908	60.0	62.9	
17 Phenol	94	3.808	3.808	0.000	97	4132839	30.0	30.9	
18 Aniline	93	3.840	3.840	0.000	95	5067510	30.0	30.7	
19 Bis(2-chloroethyl)ether	93	3.905	3.905	0.000	89	3229131	30.0	29.4	
20 2-Chlorophenol	128	3.953	3.953	0.000	87	2280394	30.0	31.6	
22 1,3-Dichlorobenzene	146	4.108	4.108	0.000	93	2322070	30.0	29.2	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	93	250789	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	86	2383371	30.0	29.4	
27 Benzyl alcohol	108	4.295	4.295	0.000	89	1964111	30.0	31.5	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	91	2313318	30.0	29.6	
31 2-Methylphenol	108	4.407	4.407	0.000	98	2651425	30.0	31.5	
32 2,2'-oxybis[1-chloropropane]	45	4.434	4.434	0.000	94	4883288	30.0	28.5	
34 N-Nitrosopyrrolidine	100	4.536	4.536	0.000	92	1797513	30.0	31.1	
35 Acetophenone	105	4.557	4.557	0.000	83	4381484	30.0	29.8	
36 4-Methylphenol	108	4.557	4.557	0.000	94	2866264	30.0	31.1	
37 N-Nitrosodi-n-propylamine	70	4.562	4.562	0.000	82	2818943	30.0	29.0	
38 N-Nitrosomorpholine	56	4.579	4.579	0.000	89	2691361	30.0	29.0	
39 2-Toluidine	106	4.589	4.589	0.000	94	5077641	30.0	29.9	
40 Hexachloroethane	117	4.653	4.653	0.000	96	1071608	30.0	29.6	

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	4.702	4.702	0.000	93	7124760	60.0	60.1	
42 Nitrobenzene	77	4.718	4.718	0.000	86	3883708	30.0	30.5	
44 N-Nitrosopiperidine	114	4.862	4.862	0.000	84	1492537	30.0	31.5	
46 Isophorone	82	4.953	4.953	0.000	98	7038913	30.0	29.9	
47 2-Nitrophenol	139	5.028	5.028	0.000	92	1140656	30.0	33.7	
48 2,4-Dimethylphenol	107	5.076	5.076	0.000	100	3031151	30.0	31.7	
49 o,o',o''-Triethylphosphorothioat	198	5.145	5.145	0.000	95	1112588	30.0	30.2	
51 Bis(2-chloroethoxy)methane	93	5.172	5.172	0.000	93	4221204	30.0	29.8	
52 2,4-Dichlorophenol	162	5.258	5.258	0.000	93	1931450	30.0	32.1	
54 1,2,4-Trichlorobenzene	180	5.338	5.338	0.000	92	2013799	30.0	30.7	
* 55 Naphthalene-d8	136	5.392	5.392	0.000	98	1046299	5.00	5.00	
56 Naphthalene	128	5.413	5.413	0.000	98	6745705	30.0	29.3	
26 Alpha-Terpineol	59	5.429	5.429	0.000	89	3720229	30.0	31.7	
57 4-Chloroaniline	127	5.472	5.472	0.000	91	3149180	30.0	31.2	
58 2,6-Dichlorophenol	162	5.477	5.477	0.000	88	1866798	30.0	31.2	
59 Hexachloropropene	213	5.499	5.499	0.000	90	1309469	30.0	31.9	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	97	1109813	30.0	29.9	
62 Quinoline	129	5.728	5.728	0.000	93	5244122	30.0	30.8	
64 Caprolactam	113	5.798	5.798	0.000	58	947649	30.0	31.7	
65 N-Nitrosodi-n-butylamine	84	5.803	5.803	0.000	89	3578765	30.0	35.3	
33 p-Phenylene diamine	108	5.809	5.809	0.000	92	4268355	30.0	31.3	
66 4-Chloro-3-methylphenol	107	5.942	5.942	0.000	92	2799461	30.0	32.1	
67 Safrole, Total	162	6.001	6.001	0.000	81	1782295	30.0	32.0	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	90	4478637	30.0	29.5	
70 1-Methylnaphthalene	142	6.172	6.172	0.000	92	4336750	30.0	29.6	
71 Hexachlorocyclopentadiene	237	6.231	6.231	0.000	97	1407083	30.0	32.4	
72 1,2,4,5-Tetrachlorobenzene	216	6.237	6.237	0.000	99	2118211	30.0	29.8	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	81	322017	4.80	5.04	
74 2,4,6-Trichlorophenol	196	6.349	6.349	0.000	91	1410922	30.0	31.6	
75 2,4,5-Trichlorophenol	196	6.386	6.386	0.000	91	1567402	30.0	31.6	
$ 76 2-Fluorobiphenyl (Surr)	172	6.440	6.440	0.000	100	8361925	60.0	51.0	
77 Isosafrole Peak 2	162	6.499	6.499	0.000	86	1888147	25.2	26.4	
79 1,1'-Biphenyl	154	6.525	6.525	0.000	96	5695230	30.0	30.1	
80 2-Chloronaphthalene	162	6.541	6.541	0.000	83	4452655	30.0	30.6	
81 1-Chloronaphthalene	162	6.563	6.563	0.000	96	4148876	30.0	29.6	
82 Phenyl ether	170	6.632	6.632	0.000	89	2904882	30.0	29.8	
83 2-Nitroaniline	138	6.643	6.643	0.000	74	1561846	30.0	33.3	
84 1,4-Naphthoquinone	158	6.713	6.713	0.000	75	1806009	30.0	30.7	
85 1,4-Dinitrobenzene	168	6.782	6.782	0.000	85	792302	30.0	34.0	
86 Dimethyl phthalate	163	6.830	6.830	0.000	97	5414324	30.0	29.8	
87 1,3-Dinitrobenzene	168	6.846	6.846	0.000	80	836944	30.0	32.6	
88 2,6-Dinitrotoluene	165	6.878	6.878	0.000	81	1189878	30.0	32.7	
90 Acenaphthylene	152	6.932	6.932	0.000	98	6813764	30.0	30.2	
91 3-Nitroaniline	138	7.034	7.034	0.000	85	1425432	30.0	31.7	
* 92 Acenaphthene-d10	164	7.066	7.066	0.000	93	613325	5.00	5.00	
93 Acenaphthene	153	7.098	7.098	0.000	96	4717275	30.0	29.9	
94 2,4-Dinitrophenol	184	7.135	7.135	0.000	74	1373221	60.0	72.2	
96 4-Nitrophenol	109	7.205	7.205	0.000	85	2104723	60.0	64.1	
98 Pentachlorobenzene	250	7.226	7.226	0.000	97	1926403	30.0	29.6	
99 2,4-Dinitrotoluene	165	7.264	7.264	0.000	78	1614576	30.0	30.8	
100 Dibenzofuran	168	7.264	7.264	0.000	96	6248495	30.0	28.9	
101 1-Naphthylamine	143	7.338	7.338	0.000	96	5547781	30.0	32.1	

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	7.381	7.381	0.000	78	1352742	30.0	30.7	
103 2-Naphthylamine	143	7.419	7.419	0.000	95	5572268	30.0	31.3	
104 Diethyl phthalate	149	7.504	7.504	0.000	96	5565822	30.0	30.8	
106 Thionazin	107	7.579	7.579	0.000	75	1144556	30.0	31.6	
105 Fluorene	166	7.590	7.590	0.000	92	5193052	30.0	29.5	
108 4-Chlorophenyl phenyl ether	204	7.601	7.601	0.000	91	2368907	30.0	28.6	
107 N-Nitro-o-toluidine	152	7.606	7.606	0.000	89	1645661	30.0	31.9	
109 4-Nitroaniline	138	7.617	7.617	0.000	80	1439094	30.0	30.2	
110 4,6-Dinitro-2-methylphenol	198	7.643	7.643	0.000	67	1692920	60.0	72.2	
111 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	98	3802043	25.5	25.5	
112 1,2-Diphenylhydrazine	77	7.750	7.750	0.000	96	7317314	30.0	26.5	
$ 113 2,4,6-Tribromophenol	330	7.820	7.820	0.000	94	1784380	60.0	63.1	
114 Sulfotepp	97	7.879	7.879	0.000	79	1286554	30.0	31.6	
175 1,3,5-Trinitrobenzene	213	7.975	7.975	0.000	81	607535	30.0	34.2	
115 cis-Diallate	86	7.991	7.991	0.000	83	2567009	22.2	22.6	
116 Phorate	75	7.996	7.996	0.000	95	5673262	30.0	33.0	
117 Phenacetin	108	8.018	8.018	0.000	90	3796097	30.0	34.1	
118 4-Bromophenyl phenyl ether	248	8.061	8.061	0.000	77	1424809	30.0	29.8	
119 trans-Diallate	86	8.071	8.071	0.000	96	885841	7.80	7.57	
120 Hexachlorobenzene	284	8.109	8.109	0.000	95	1746150	30.0	29.5	
121 Dimethoate	87	8.157	8.157	0.000	96	3380764	30.0	31.5	
122 Atrazine	200	8.232	8.232	0.000	82	1558681	30.0	28.7	
123 Pentachlorophenol	266	8.301	8.301	0.000	91	2122136	60.0	66.2	
125 Pentachloronitrobenzene	237	8.312	8.312	0.000	53	806873	30.0	33.2	
124 4-Aminobiphenyl	169	8.312	8.312	0.000	92	6787304	30.0	32.1	
126 Pronamide	173	8.376	8.376	0.000	91	2737126	30.0	32.1	
* 127 Phenanthrene-d10	188	8.478	8.478	0.000	95	1189280	5.00	5.00	
128 Dinoseb	211	8.488	8.488	0.000	92	1275853	30.0	31.6	
68 Disulfoton	88	8.499	8.499	0.000	88	5418715	30.0	31.6	
129 Phenanthrene	178	8.499	8.499	0.000	88	7267032	30.0	27.3	
130 Anthracene	178	8.553	8.553	0.000	98	7522921	30.0	28.8	
131 Carbazole	167	8.708	8.708	0.000	97	7034839	30.0	29.2	
132 Methyl parathion	109	8.852	8.852	0.000	90	2412127	30.0	33.6	
133 Di-n-butyl phthalate	149	9.066	9.066	0.000	98	7903927	30.0	28.5	
134 Ethyl Parathion	109	9.227	9.227	0.000	81	1470281	30.0	33.9	
135 4-Nitroquinoline-1-oxide	190	9.243	9.243	0.000	83	686994	30.0	30.4	
136 Octachlorostyrene	308	9.456	9.456	0.000	94	705962	30.0	29.0	
137 Isodrin	193	9.489	9.489	0.000	85	929184	30.0	29.5	
138 Fluoranthene	202	9.633	9.633	0.000	98	7514328	30.0	27.3	
S 63 Diallate	86				0		30.0	30.2	
139 Benzidine	184	9.783	9.783	0.000	96	10401988	90.0	65.4	
* 140 Pyrene-d10 (IS)	212	9.826	9.826	0.000	98	1128864	5.00	5.00	
141 Pyrene	202	9.847	9.847	0.000	94	7902774	30.0	27.3	
$ 142 p-Terphenyl-d14	244	10.018	10.018	0.000	99	9258964	60.0	49.6	
143 p-Dimethylamino azobenzene	225	10.152	10.152	0.000	93	1575499	30.0	35.3	
144 Chlorobenzilate	139	10.200	10.200	0.000	85	2864854	30.0	35.1	
145 3,3'-Dimethylbenzidine	212	10.483	10.483	0.000	99	4499391	30.0	30.7	
146 Butyl benzyl phthalate	149	10.510	10.510	0.000	93	4058075	30.0	33.5	
147 2-Acetylaminofluorene	181	10.746	10.746	0.000	95	3283557	30.0	30.8	
148 3,3'-Dichlorobenzidine	252	11.061	11.061	0.000	75	2930670	30.0	32.5	
149 Benzo[a]anthracene	228	11.066	11.066	0.000	98	7684327	30.0	33.7	
150 4,4'-Methylene bis(2-chloroanil	231	11.072	11.072	0.000	67	1667539	30.0	32.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.109	11.109	0.000	97	7447056	30.0	31.3	
152 Bis(2-ethylhexyl) phthalate	149	11.163	11.163	0.000	93	5464664	30.0	34.4	
153 6-Methylchrysene	242	11.644	11.644	0.000	100	5215176	30.0	33.8	
154 Di-n-octyl phthalate	149	11.976	11.976	0.000	99	8975695	30.0	31.4	
155 Benzo[b]fluoranthene	252	12.388	12.388	0.000	97	7821780	30.0	34.1	
156 7,12-Dimethylbenz(a)anthracene	256	12.388	12.388	0.000	74	3415593	30.0	33.6	
157 Benzo[k]fluoranthene	252	12.425	12.425	0.000	99	7662473	30.0	30.7	
158 Benzo[a]pyrene	252	12.815	12.815	0.000	81	6570412	30.0	34.3	
* 159 Perylene-d12	264	12.890	12.890	0.000	96	944223	5.00	5.00	
160 3-Methylcholanthrene	268	13.318	13.318	0.000	92	3768234	30.0	35.8	
161 Dibenz[a,h]acridine	279	14.078	14.078	0.000	91	5801297	30.0	33.5	
162 Dibenz[a,j]acridine	279	14.147	14.147	0.000	96	6295018	30.0	32.8	
163 Indeno[1,2,3-cd]pyrene	276	14.388	14.388	0.000	99	6005377	30.0	33.9	M
164 Dibenz(a,h)anthracene	278	14.436	14.436	0.000	94	7051660	30.0	34.5	
165 Benzo[g,h,i]perylene	276	14.784	14.784	0.000	96	7126279	30.0	33.3	
S 166 Isosafrole	162				0		30.0	31.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_8_00022 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:07:55 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0152.D

Injection Date: 01-May-2022 17:47:46 Instrument ID: HP20296 Operator ID: mem41592

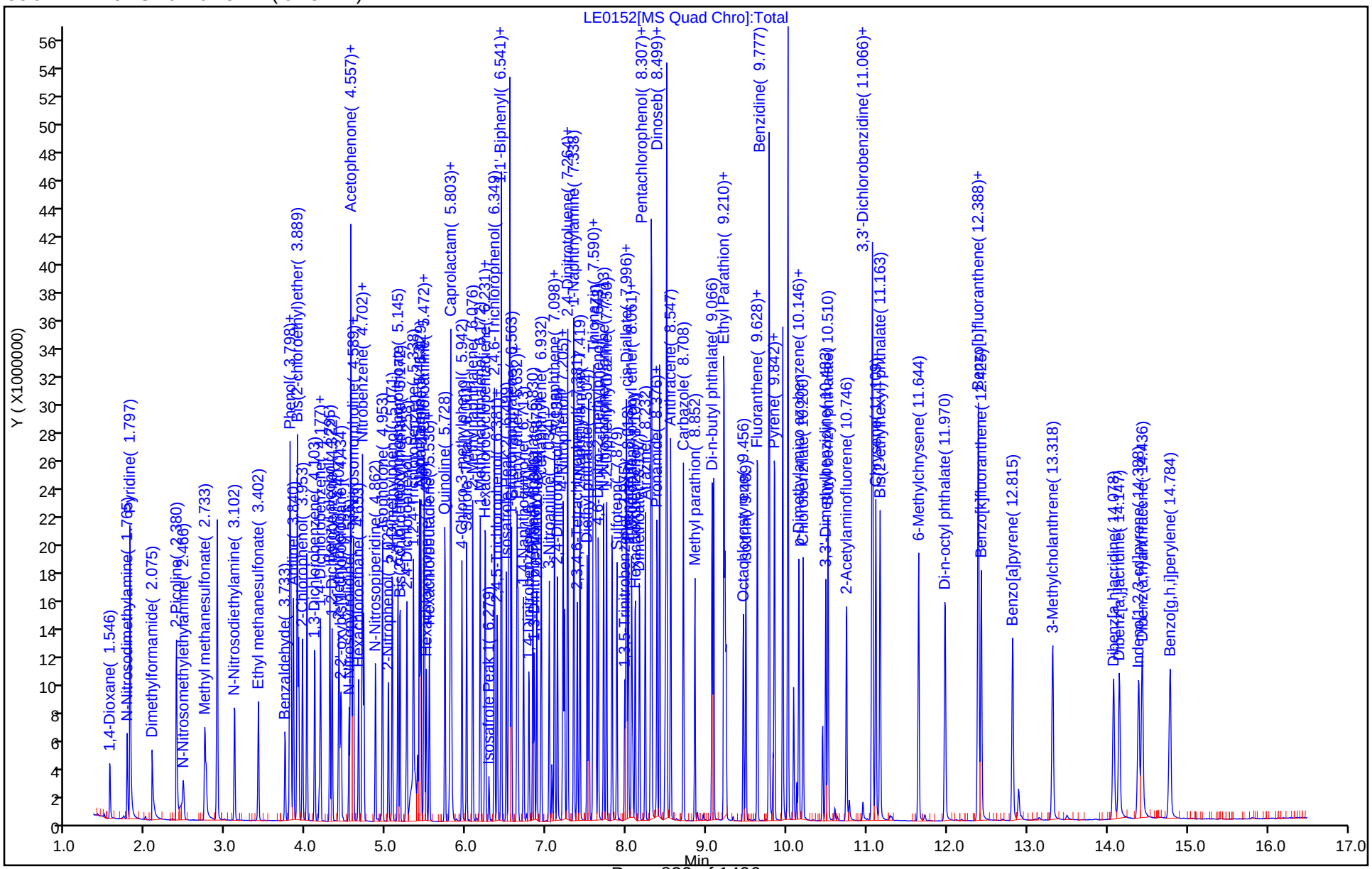
Lims ID: IC L8 Worklist Smp#: 3

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

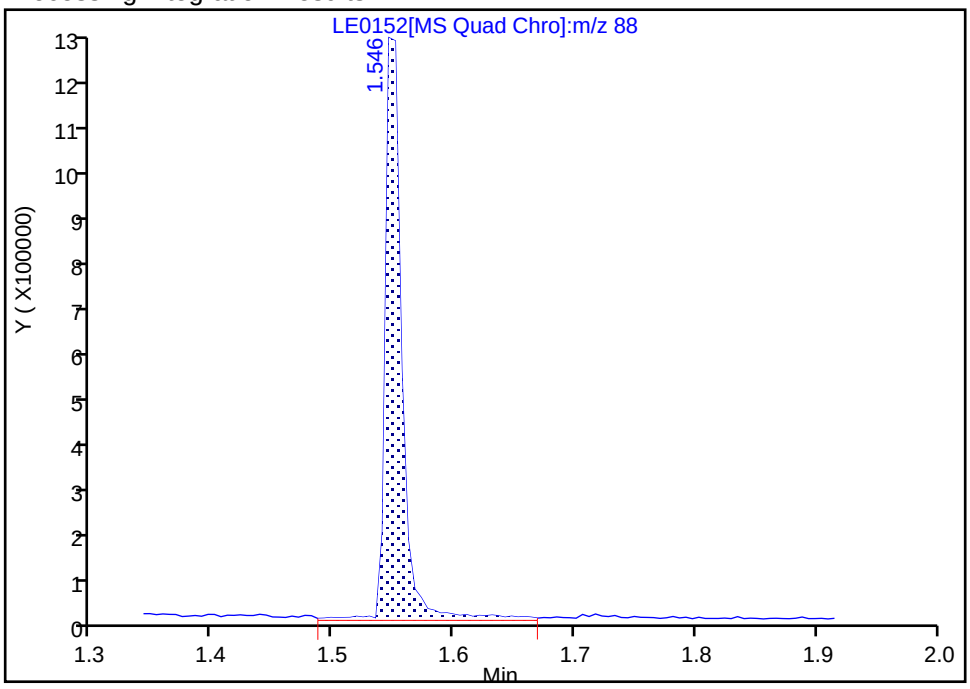
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0152.D				
Injection Date:	01-May-2022 17:47:46	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

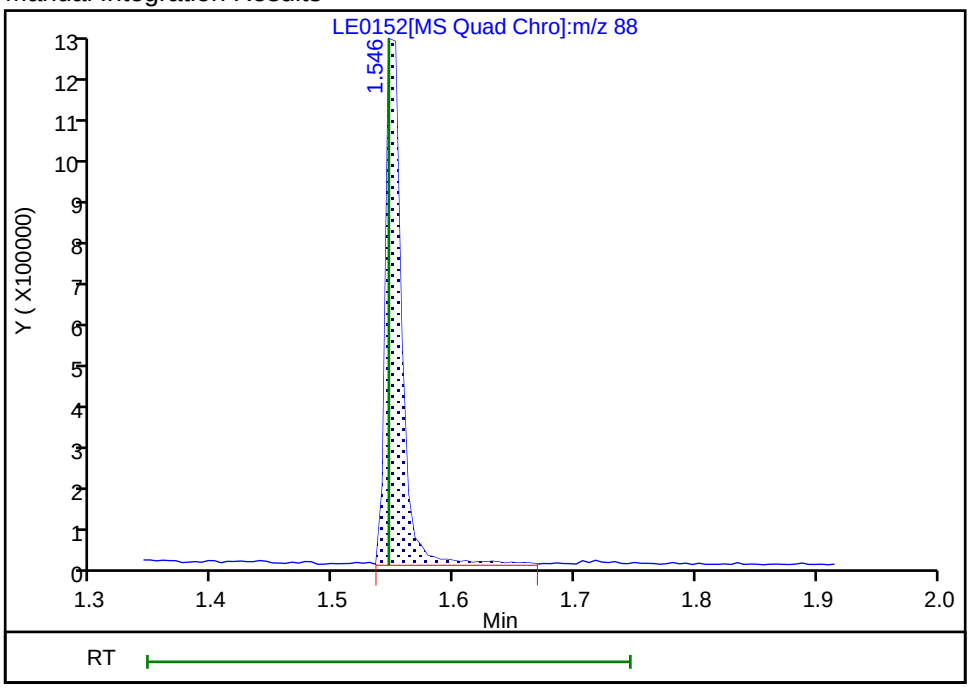
Processing Integration Results

RT: 1.55
Area: 1222728
Amount: 30.308226
Amount Units: ug/ml



Manual Integration Results

RT: 1.55
Area: 1189319
Amount: 27.445297
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:25:48

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

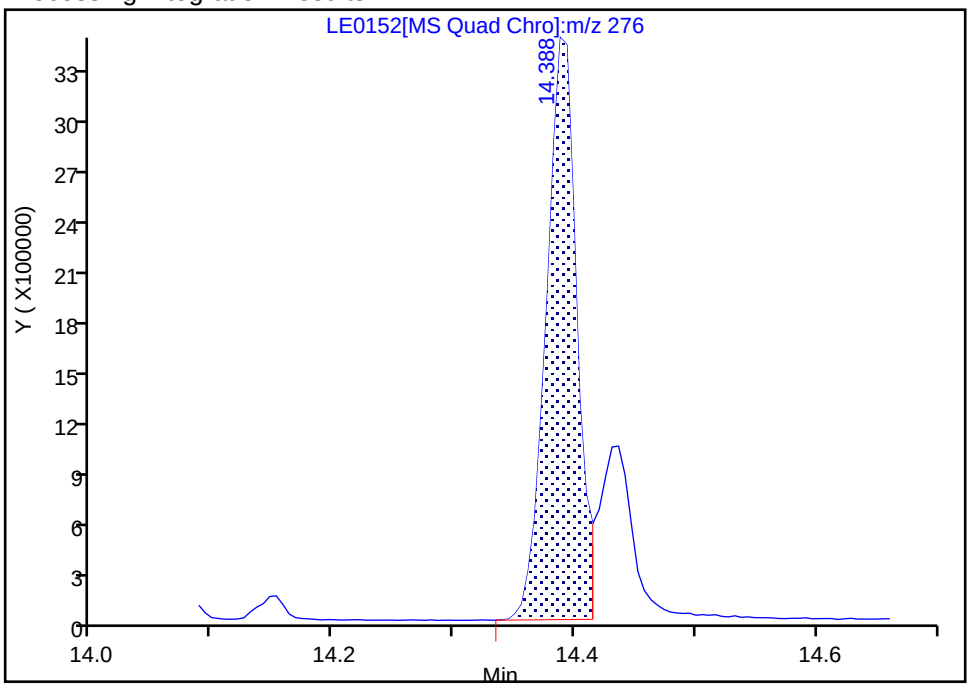
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0152.D				
Injection Date:	01-May-2022 17:47:46	Instrument ID:	HP20296		
Lims ID:	IC L8				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

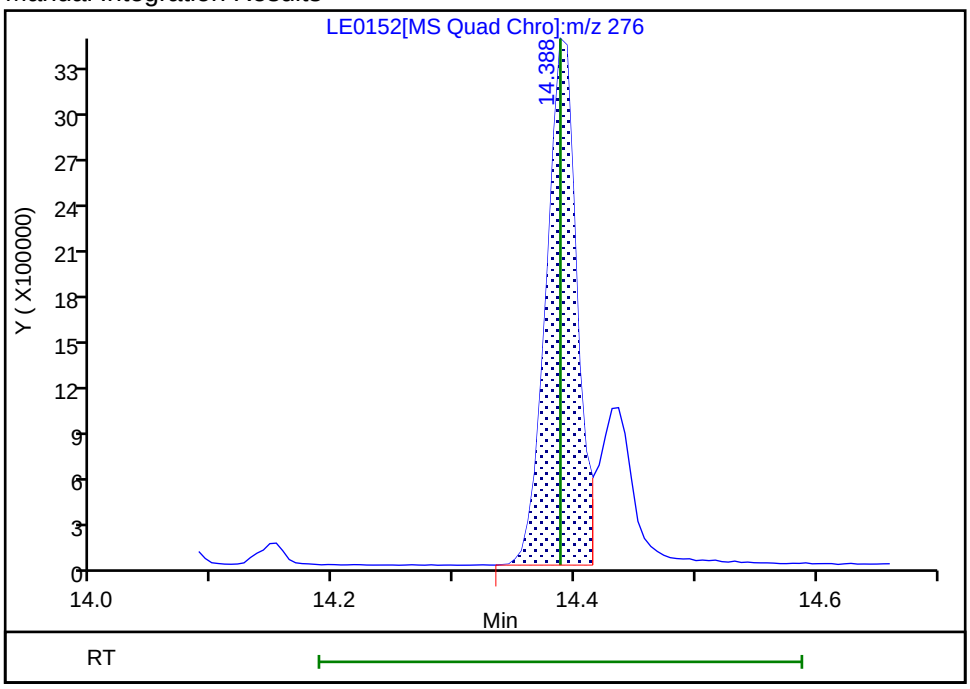
Processing Integration Results

RT: 14.39
Area: 5992626
Amount: 33.878217
Amount Units: ug/ml



Manual Integration Results

RT: 14.39
Area: 6005377
Amount: 33.940108
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:31:36

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0153.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-May-2022 18:08:31 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL7
Misc. Info.: 410-0056151-004
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:04 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 07:09:48

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	1.551	1.546	0.005	95	817553	20.0	18.6	
2 N-Nitrosodimethylamine	74	1.770	1.765	0.005	92	1449340	20.0	19.3	
3 Pyridine	79	1.803	1.797	0.006	93	4416828	40.0	39.8	
4 Dimethylformamide	73	2.086	2.075	0.011	95	1606589	20.0	19.8	
5 2-Picoline	93	2.380	2.380	0.000	92	2404507	20.0	20.3	
6 N-Nitrosomethylethylamine	88	2.471	2.466	0.005	93	1072465	20.0	17.6	M
9 Methyl methanesulfonate	80	2.733	2.733	0.000	85	1265474	20.0	19.9	
$ 10 2-Fluorophenol	112	2.888	2.888	0.000	96	3260622	40.0	41.0	
11 N-Nitrosodiethylamine	102	3.102	3.108	-0.006	88	997863	20.0	20.7	
13 Ethyl methanesulfonate	109	3.402	3.402	0.000	96	1030328	20.0	20.5	
15 Benzaldehyde	77	3.733	3.733	0.000	90	1367458	20.0	12.1	
$ 16 Phenol-d5	99	3.792	3.798	-0.006	99	5148079	40.0	41.3	
17 Phenol	94	3.808	3.808	0.000	98	2795152	20.0	20.6	
18 Aniline	93	3.835	3.840	-0.005	95	3310725	20.0	19.8	
19 Bis(2-chloroethyl)ether	93	3.905	3.905	0.000	88	2129063	20.0	19.1	
20 2-Chlorophenol	128	3.953	3.953	0.000	88	1523456	20.0	20.8	
22 1,3-Dichlorobenzene	146	4.102	4.108	-0.006	92	1541336	20.0	19.1	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	95	254017	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	86	1555241	20.0	18.9	
27 Benzyl alcohol	108	4.295	4.295	0.000	89	1264466	20.0	20.0	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	91	1535444	20.0	19.4	
31 2-Methylphenol	108	4.402	4.407	-0.005	98	1742716	20.0	20.4	
32 2,2'-oxybis[1-chloropropane]	45	4.429	4.434	-0.005	93	3252105	20.0	18.7	
34 N-Nitrosopyrrolidine	100	4.530	4.536	-0.006	92	1191514	20.0	20.4	
35 Acetophenone	105	4.552	4.557	-0.005	85	2874643	20.0	19.3	
36 4-Methylphenol	108	4.552	4.557	-0.005	87	1880497	20.0	20.1	
37 N-Nitrosodi-n-propylamine	70	4.557	4.562	-0.005	86	1879829	20.0	19.1	
38 N-Nitrosomorpholine	56	4.573	4.579	-0.006	90	1809288	20.0	19.2	
39 2-Toluidine	106	4.584	4.589	-0.005	94	3345213	20.0	19.5	
40 Hexachloroethane	117	4.648	4.653	-0.005	95	705174	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
$ 41 Nitrobenzene-d5	82	4.696	4.702	-0.006	89	4935401	40.0	42.6	
42 Nitrobenzene	77	4.718	4.718	0.000	88	2523800	20.0	20.3	
44 N-Nitrosopiperidine	114	4.862	4.862	0.000	85	958203	20.0	20.7	
46 Isophorone	82	4.948	4.953	-0.005	98	4861836	20.0	21.1	
47 2-Nitrophenol	139	5.022	5.028	-0.006	89	758989	20.0	22.9	
48 2,4-Dimethylphenol	107	5.071	5.076	-0.005	99	2020894	20.0	21.6	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.145	-0.005	95	713871	20.0	19.8	
51 Bis(2-chloroethoxy)methane	93	5.167	5.172	-0.005	92	2795079	20.0	20.2	
52 2,4-Dichlorophenol	162	5.252	5.258	-0.006	92	1266638	20.0	21.5	
54 1,2,4-Trichlorobenzene	180	5.338	5.338	0.000	93	1303635	20.0	20.3	
* 55 Naphthalene-d8	136	5.386	5.392	-0.006	98	1022540	5.00	5.00	
56 Naphthalene	128	5.408	5.413	-0.005	97	4671078	20.0	20.8	
26 Alpha-Terpineol	59	5.429	5.429	0.000	89	2432686	20.0	21.2	
57 4-Chloroaniline	127	5.466	5.472	-0.006	91	2088897	20.0	21.2	
58 2,6-Dichlorophenol	162	5.472	5.477	-0.005	88	1219457	20.0	20.9	
59 Hexachloropropene	213	5.498	5.499	0.000	91	851903	20.0	21.3	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	96	738084	20.0	20.4	
62 Quinoline	129	5.728	5.728	0.000	92	3430593	20.0	20.6	
64 Caprolactam	113	5.787	5.798	-0.011	75	616111	20.0	21.1	
65 N-Nitrosodi-n-butylamine	84	5.798	5.803	-0.005	94	2313812	20.0	23.3	
33 p-Phenylene diamine	108	5.809	5.809	0.000	93	2859680	20.0	21.4	
66 4-Chloro-3-methylphenol	107	5.937	5.942	-0.005	92	1819272	20.0	21.4	
67 Safrole, Total	162	6.001	6.001	0.000	83	1152137	20.0	21.1	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	91	2964162	20.0	20.0	
70 1-Methylnaphthalene	142	6.167	6.172	-0.005	92	2881566	20.0	20.1	
71 Hexachlorocyclopentadiene	237	6.226	6.231	-0.005	96	921939	20.0	22.4	
72 1,2,4,5-Tetrachlorobenzene	216	6.231	6.237	-0.006	98	1361803	20.0	20.3	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	79	202700	3.20	3.35	
74 2,4,6-Trichlorophenol	196	6.344	6.349	-0.005	81	904893	20.0	21.5	
75 2,4,5-Trichlorophenol	196	6.381	6.386	-0.005	91	1046073	20.0	22.3	
$ 76 2-Fluorobiphenyl (Surr)	172	6.429	6.440	-0.011	99	6577777	40.0	42.4	
77 Isosafrole Peak 2	162	6.493	6.499	-0.006	85	1187411	16.8	17.5	
79 1,1'-Biphenyl	154	6.525	6.525	0.000	96	3721464	20.0	20.8	
80 2-Chloronaphthalene	162	6.536	6.541	-0.005	83	2794036	20.0	20.3	
81 1-Chloronaphthalene	162	6.557	6.563	-0.006	96	2766748	20.0	20.8	
82 Phenyl ether	170	6.627	6.632	-0.005	88	1904839	20.0	20.6	
83 2-Nitroaniline	138	6.638	6.643	-0.005	73	992014	20.0	22.4	
84 1,4-Naphthoquinone	158	6.707	6.713	-0.006	74	1182816	20.0	21.3	
85 1,4-Dinitrobenzene	168	6.777	6.782	-0.005	86	514444	20.0	23.3	
86 Dimethyl phthalate	163	6.825	6.830	-0.005	96	3530523	20.0	20.6	
87 1,3-Dinitrobenzene	168	6.841	6.846	-0.005	80	539481	20.0	22.2	
88 2,6-Dinitrotoluene	165	6.873	6.878	-0.005	80	773011	20.0	22.4	
90 Acenaphthylene	152	6.927	6.932	-0.005	99	4631293	20.0	21.7	
91 3-Nitroaniline	138	7.028	7.034	-0.006	84	900267	20.0	21.1	
* 92 Acenaphthene-d10	164	7.060	7.066	-0.006	94	580125	5.00	5.00	
93 Acenaphthene	153	7.092	7.098	-0.006	96	3069284	20.0	20.6	
94 2,4-Dinitrophenol	184	7.130	7.135	-0.005	73	854495	40.0	47.5	
96 4-Nitrophenol	109	7.199	7.205	-0.006	86	1347707	40.0	43.4	
98 Pentachlorobenzene	250	7.221	7.226	-0.005	97	1258973	20.0	20.5	
99 2,4-Dinitrotoluene	165	7.253	7.264	-0.011	81	1064226	20.0	21.5	
100 Dibenzofuran	168	7.258	7.264	-0.006	96	4204190	20.0	20.6	
101 1-Naphthylamine	143	7.333	7.338	-0.005	97	3562143	20.0	21.8	

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	7.376	7.381	-0.005	80	857823	20.0	20.6	
103 2-Naphthylamine	143	7.413	7.419	-0.006	94	3639044	20.0	21.6	
104 Diethyl phthalate	149	7.499	7.504	-0.005	96	3555890	20.0	20.8	
106 Thionazin	107	7.574	7.579	-0.005	75	719190	20.0	21.0	
105 Fluorene	166	7.584	7.590	-0.006	92	3394319	20.0	20.4	
108 4-Chlorophenyl phenyl ether	204	7.595	7.601	-0.006	91	1566873	20.0	20.0	
107 N-Nitro-o-toluidine	152	7.600	7.606	-0.006	81	1052789	20.0	21.6	
109 4-Nitroaniline	138	7.606	7.617	-0.011	79	926517	20.0	20.5	
110 4,6-Dinitro-2-methylphenol	198	7.638	7.643	-0.005	67	1083708	40.0	48.6	
111 N-Nitrosodiphenylamine	169	7.707	7.713	-0.006	98	2474225	17.0	17.5	
112 1,2-Diphenylhydrazine	77	7.745	7.750	-0.005	100	5659292	20.0	21.5	
$ 113 2,4,6-Tribromophenol	330	7.814	7.820	-0.006	94	1140890	40.0	42.7	
114 Sulfotepp	97	7.873	7.879	-0.006	80	829150	20.0	21.4	
175 1,3,5-Trinitrobenzene	213	7.964	7.975	-0.011	81	371722	20.0	22.0	
115 cis-Diallate	86	7.986	7.991	-0.005	89	1638657	14.8	15.2	
116 Phorate	75	7.991	7.996	-0.005	95	3591791	20.0	21.9	
117 Phenacetin	108	8.007	8.018	-0.011	90	2396297	20.0	22.6	
118 4-Bromophenyl phenyl ether	248	8.055	8.061	-0.005	76	922239	20.0	20.3	
119 trans-Diallate	86	8.071	8.071	0.000	97	581824	5.20	5.23	
120 Hexachlorobenzene	284	8.103	8.109	-0.006	94	1129359	20.0	20.0	
121 Dimethoate	87	8.151	8.157	-0.006	96	2218085	20.0	21.7	
122 Atrazine	200	8.226	8.232	-0.006	83	1042862	20.0	20.2	
123 Pentachlorophenol	266	8.290	8.301	-0.011	91	1342132	40.0	44.1	
125 Pentachloronitrobenzene	237	8.301	8.312	-0.011	85	511362	20.0	22.1	
124 4-Aminobiphenyl	169	8.301	8.312	-0.011	92	4380088	20.0	21.8	
126 Pronamide	173	8.371	8.376	-0.005	91	1751819	20.0	21.6	
* 127 Phenanthrene-d10	188	8.472	8.478	-0.006	95	1131795	5.00	5.00	
128 Dinoseb	211	8.478	8.488	-0.010	92	774896	20.0	20.5	
68 Disulfoton	88	8.494	8.499	-0.005	81	3467996	20.0	21.2	
129 Phenanthrene	178	8.494	8.499	-0.005	91	5028984	20.0	19.9	
130 Anthracene	178	8.542	8.553	-0.011	98	5151866	20.0	20.7	
131 Carbazole	167	8.702	8.708	-0.006	96	4933819	20.0	21.5	
132 Methyl parathion	109	8.841	8.852	-0.011	89	1523480	20.0	22.3	
S 53 Dinitrotoluene	165				0			43.9	
133 Di-n-butyl phthalate	149	9.061	9.066	-0.005	100	6197334	20.0	23.5	
134 Ethyl Parathion	109	9.221	9.227	-0.005	81	938902	20.0	22.8	
135 4-Nitroquinoline-1-oxide	190	9.232	9.243	-0.011	77	429589	20.0	20.8	
136 Octachlorostyrene	308	9.446	9.456	-0.010	94	446982	20.0	19.3	
137 Isodrin	193	9.478	9.489	-0.011	88	596465	20.0	19.9	
138 Fluoranthene	202	9.622	9.633	-0.011	99	5571550	20.0	21.3	
S 63 Diallate	86				0		20.0	20.4	
139 Benzidine	184	9.772	9.783	-0.011	98	8584226	60.0	54.3	
* 140 Pyrene-d10 (IS)	212	9.820	9.826	-0.006	98	1122901	5.00	5.00	
141 Pyrene	202	9.836	9.847	-0.011	95	5786090	20.0	20.1	
$ 142 p-Terphenyl-d14	244	10.002	10.018	-0.016	98	7462001	40.0	40.2	
143 p-Dimethylamino azobenzene	225	10.141	10.152	-0.011	92	1013760	20.0	22.9	
144 Chlorobenzilate	139	10.189	10.200	-0.011	85	1831823	20.0	22.6	
145 3,3'-Dimethylbenzidine	212	10.478	10.483	-0.005	99	3181431	20.0	21.8	
146 Butyl benzyl phthalate	149	10.505	10.510	-0.005	93	2655072	20.0	22.1	
147 2-Acetylaminofluorene	181	10.729	10.746	-0.017	95	2161975	20.0	20.6	
148 3,3'-Dichlorobenzidine	252	11.050	11.061	-0.011	79	2026266	20.0	22.6	
149 Benzo[a]anthracene	228	11.056	11.066	-0.010	98	5153872	20.0	22.7	

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	11.061	11.072	-0.011	78	1150973	20.0	22.5	
151 Chrysene	228	11.098	11.109	-0.011	97	4918190	20.0	20.8	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.163	-0.011	93	3568668	20.0	22.6	
153 6-Methylchrysene	242	11.633	11.644	-0.011	99	3441623	20.0	22.4	
154 Di-n-octyl phthalate	149	11.965	11.976	-0.011	99	5784287	20.0	20.2	
155 Benzo[b]fluoranthene	252	12.377	12.388	-0.011	97	5048527	20.0	21.6	
156 7,12-Dimethylbenz(a)anthracene	256	12.377	12.388	-0.011	88	2273214	20.0	21.9	
157 Benzo[k]fluoranthene	252	12.414	12.425	-0.011	99	5361040	20.0	21.1	
158 Benzo[a]pyrene	252	12.810	12.815	-0.005	80	4464019	20.0	22.9	
* 159 Perylene-d12	264	12.885	12.890	-0.005	96	963177	5.00	5.00	
160 3-Methylcholanthrene	268	13.307	13.318	-0.011	93	2478321	20.0	23.1	
161 Dibenz[a,h]acridine	279	14.067	14.078	-0.011	92	3821390	20.0	21.7	
162 Dibenz[a,j]acridine	279	14.136	14.147	-0.011	95	4244656	20.0	21.7	
163 Indeno[1,2,3-cd]pyrene	276	14.377	14.388	-0.011	99	4052885	20.0	22.5	M
164 Dibenz(a,h)anthracene	278	14.420	14.436	-0.016	93	4694630	20.0	22.5	
165 Benzo[g,h,i]perylene	276	14.768	14.784	-0.016	96	4732784	20.0	21.7	
S 166 Isosafrole	162				0		20.0	20.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_7_00021 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:08:06 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0153.D

Injection Date: 01-May-2022 18:08:31 Instrument ID: HP20296 Operator ID: mem41592

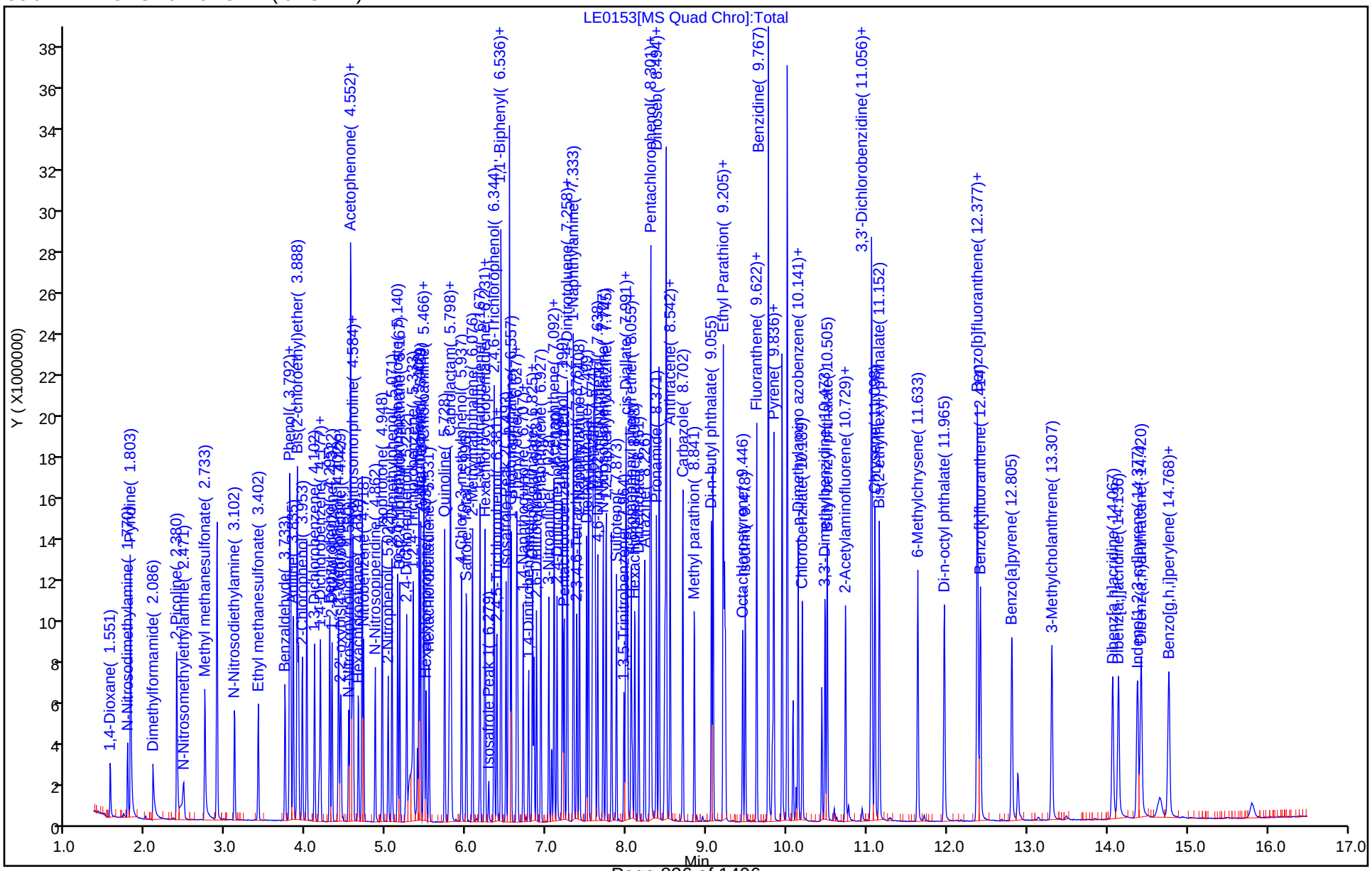
Lims ID: IC L7 Worklist Smp#: 4

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

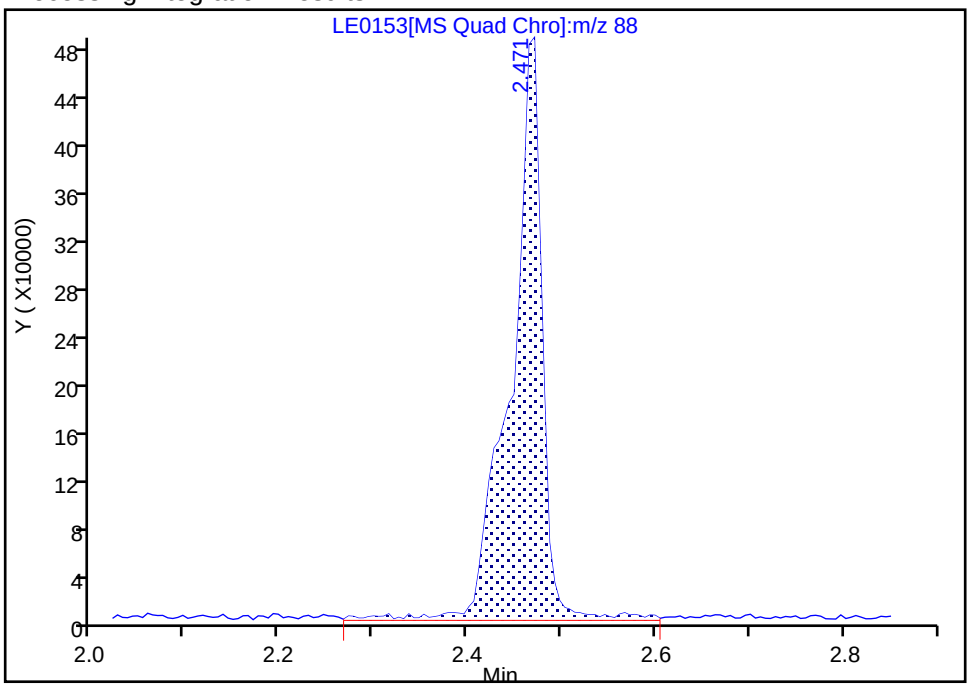
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0153.D				
Injection Date:	01-May-2022 18:08:31	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

6 N-Nitrosomethylethylamine, CAS: 10595-95-6

Signal: 1

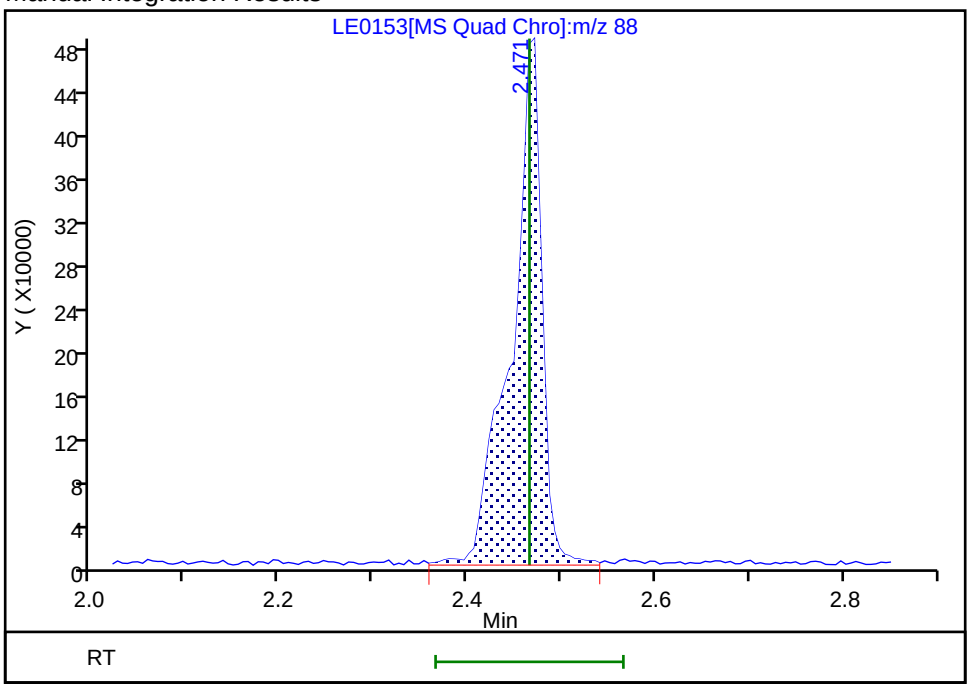
Processing Integration Results

RT: 2.47
Area: 1110527
Amount: 18.095631
Amount Units: ug/ml



Manual Integration Results

RT: 2.47
Area: 1072465
Amount: 17.566214
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:32:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

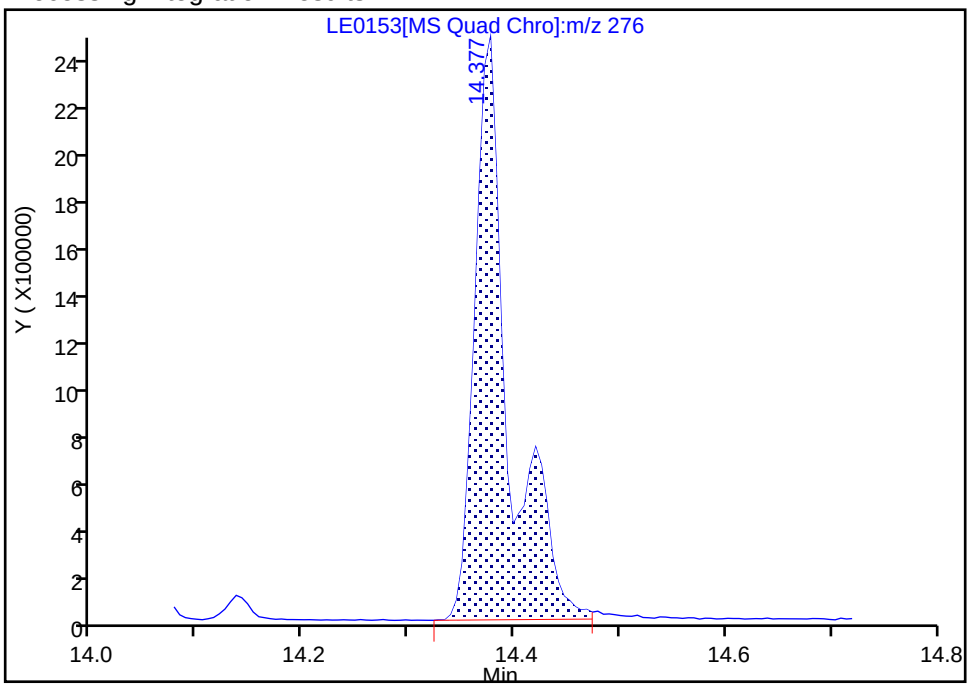
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0153.D				
Injection Date:	01-May-2022 18:08:31	Instrument ID:	HP20296		
Lims ID:	IC L7				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit 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

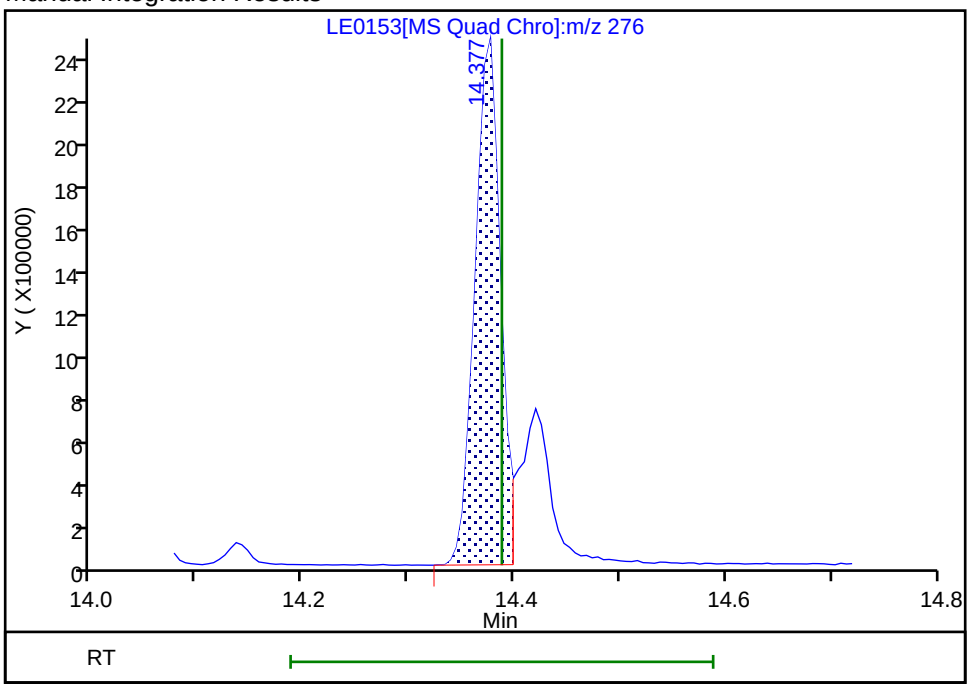
Processing Integration Results

RT: 14.38
Area: 5452521
Amount: 27.303884
Amount Units: ug/ml



Manual Integration Results

RT: 14.38
Area: 4052885
Amount: 22.454619
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 07:10:20

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\20220501-56151.b\LE0154.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-May-2022 18:29:26 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL5
Misc. Info.: 410-0056151-005
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:13 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 11:34:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.551	1.551	0.000	94	242726	7.50	7.50	
2 N-Nitrosodimethylamine	74	1.770	1.770	0.000	92	445984	7.50	8.07	
3 Pyridine	79	1.808	1.808	0.000	91	1283130	15.0	15.7	
4 Dimethylformamide	73	2.107	2.107	0.000	95	456487	7.50	7.65	
5 2-Picoline	93	2.385	2.385	0.000	92	703231	7.50	8.03	
6 N-Nitrosomethylethylamine	88	2.466	2.466	0.000	93	349893	7.50	7.77	
9 Methyl methanesulfonate	80	2.728	2.728	0.000	84	397093	7.50	8.45	
$ 10 2-Fluorophenol	112	2.883	2.883	0.000	94	926368	15.0	15.8	
11 N-Nitrosodiethylamine	102	3.102	3.102	0.000	87	295620	7.50	8.31	
13 Ethyl methanesulfonate	109	3.396	3.396	0.000	95	319156	7.50	8.60	
15 Benzaldehyde	77	3.733	3.733	0.000	90	612167	7.50	7.36	
$ 16 Phenol-d5	99	3.792	3.792	0.000	99	1521465	15.0	16.6	
17 Phenol	94	3.803	3.803	0.000	98	823082	7.50	8.24	
18 Aniline	93	3.835	3.835	0.000	94	1010460	7.50	8.18	
19 Bis(2-chloroethyl)ether	93	3.899	3.899	0.000	87	662852	7.50	8.07	
20 2-Chlorophenol	128	3.947	3.947	0.000	85	444408	7.50	8.25	
22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	92	465083	7.50	7.83	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	95	187308	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	88	495672	7.50	8.19	
27 Benzyl alcohol	108	4.290	4.290	0.000	87	385910	7.50	8.28	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	91	463717	7.50	7.94	
31 2-Methylphenol	108	4.402	4.402	0.000	98	546522	7.50	8.68	
32 2,2'-oxybis[1-chloropropane]	45	4.429	4.429	0.000	93	1030684	7.50	8.05	
34 N-Nitrosopyrrolidine	100	4.525	4.525	0.000	89	363850	7.50	8.43	
35 Acetophenone	105	4.552	4.552	0.000	82	917151	7.50	8.35	
36 4-Methylphenol	108	4.552	4.552	0.000	65	584320	7.50	8.48	
37 N-Nitrosodi-n-propylamine	70	4.552	4.552	0.000	84	602341	7.50	8.30	
38 N-Nitrosomorpholine	56	4.568	4.568	0.000	90	596126	7.50	8.59	
39 2-Toluidine	106	4.584	4.584	0.000	95	1033713	7.50	8.15	
40 Hexachloroethane	117	4.648	4.648	0.000	94	216913	7.50	8.03	

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	4.696	4.696	0.000	90	1531496	15.0	15.7	
42 Nitrobenzene	77	4.712	4.712	0.000	88	807078	7.50	7.73	
44 N-Nitrosopiperidine	114	4.857	4.857	0.000	85	310190	7.50	7.97	
46 Isophorone	82	4.947	4.947	0.000	98	1543504	7.50	7.98	
47 2-Nitrophenol	139	5.022	5.022	0.000	89	225271	7.50	8.10	
48 2,4-Dimethylphenol	107	5.070	5.070	0.000	99	636313	7.50	8.10	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.140	0.000	93	221900	7.50	7.34	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	92	901571	7.50	7.74	
52 2,4-Dichlorophenol	162	5.252	5.252	0.000	92	387791	7.50	7.85	
54 1,2,4-Trichlorobenzene	180	5.333	5.333	0.000	93	406746	7.50	7.55	
* 55 Naphthalene-d8	136	5.386	5.386	0.000	98	858862	5.00	5.00	
56 Naphthalene	128	5.407	5.407	0.000	98	1460503	7.50	7.74	
26 Alpha-Terpineol	59	5.424	5.424	0.000	89	761337	7.50	7.91	
57 4-Chloroaniline	127	5.466	5.466	0.000	90	676124	7.50	8.17	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	87	397844	7.50	8.10	
59 Hexachloropropene	213	5.493	5.493	0.000	91	251675	7.50	7.48	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	97	228750	7.50	7.51	
62 Quinoline	129	5.728	5.728	0.000	91	1093613	7.50	7.84	
64 Caprolactam	113	5.771	5.771	0.000	75	207300	7.50	8.44	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	93	572796	7.50	6.87	
33 p-Phenylene diamine	108	5.803	5.803	0.000	91	925139	7.50	8.26	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	92	581935	7.50	8.14	
67 Safrole, Total	162	5.996	5.996	0.000	79	361484	7.50	7.90	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	91	952942	7.50	7.64	
70 1-Methylnaphthalene	142	6.167	6.167	0.000	91	909789	7.50	7.56	
71 Hexachlorocyclopentadiene	237	6.226	6.226	0.000	95	277761	7.50	7.52	
72 1,2,4,5-Tetrachlorobenzene	216	6.231	6.231	0.000	98	449205	7.50	7.43	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	81	64647	1.20	1.19	
74 2,4,6-Trichlorophenol	196	6.343	6.343	0.000	91	297139	7.50	7.83	
75 2,4,5-Trichlorophenol	196	6.376	6.376	0.000	91	340343	7.50	8.07	
$ 76 2-Fluorobiphenyl (Surr)	172	6.429	6.429	0.000	99	2130902	15.0	15.3	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	87	398163	6.30	6.53	
79 1,1'-Biphenyl	154	6.520	6.520	0.000	94	1238620	7.50	7.69	
80 2-Chloronaphthalene	162	6.536	6.536	0.000	98	977905	7.50	7.89	
81 1-Chloronaphthalene	162	6.557	6.557	0.000	95	849624	7.50	7.12	
82 Phenyl ether	170	6.627	6.627	0.000	87	624903	7.50	7.52	
83 2-Nitroaniline	138	6.638	6.638	0.000	73	327037	7.50	8.20	
84 1,4-Naphthoquinone	158	6.707	6.707	0.000	76	395156	7.50	7.90	
85 1,4-Dinitrobenzene	168	6.771	6.771	0.000	85	152125	7.50	7.67	
86 Dimethyl phthalate	163	6.819	6.819	0.000	95	1160026	7.50	7.51	
87 1,3-Dinitrobenzene	168	6.841	6.841	0.000	81	177637	7.50	8.13	
88 2,6-Dinitrotoluene	165	6.873	6.873	0.000	79	247077	7.50	7.97	
90 Acenaphthylene	152	6.926	6.926	0.000	99	1484253	7.50	7.74	
91 3-Nitroaniline	138	7.023	7.023	0.000	84	284861	7.50	7.43	
* 92 Acenaphthene-d10	164	7.060	7.060	0.000	93	521886	5.00	5.00	
93 Acenaphthene	153	7.092	7.092	0.000	96	1024961	7.50	7.65	
94 2,4-Dinitrophenol	184	7.130	7.130	0.000	72	276916	17.5	17.1	
96 4-Nitrophenol	109	7.194	7.194	0.000	85	450157	15.0	16.1	
98 Pentachlorobenzene	250	7.215	7.215	0.000	97	409401	7.50	7.40	
99 2,4-Dinitrotoluene	165	7.253	7.253	0.000	81	349093	7.50	7.82	
100 Dibenzofuran	168	7.258	7.258	0.000	96	1400848	7.50	7.63	
101 1-Naphthylamine	143	7.333	7.333	0.000	97	1182505	7.50	8.03	

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	7.376	7.376	0.000	78	279995	7.50	7.47	
103 2-Naphthylamine	143	7.408	7.408	0.000	94	1199579	7.50	7.92	
104 Diethyl phthalate	149	7.493	7.493	0.000	96	1215462	7.50	7.90	
106 Thionazin	107	7.568	7.568	0.000	73	244086	7.50	7.92	
105 Fluorene	166	7.584	7.584	0.000	91	1146841	7.50	7.65	
108 4-Chlorophenyl phenyl ether	204	7.590	7.590	0.000	94	516453	7.50	7.33	
107 N-Nitro-o-toluidine	152	7.595	7.595	0.000	77	365606	7.50	8.34	
109 4-Nitroaniline	138	7.600	7.600	0.000	79	334104	7.50	8.24	
110 4,6-Dinitro-2-methylphenol	198	7.632	7.632	0.000	66	329879	15.0	15.9	
111 N-Nitrosodiphenylamine	169	7.702	7.702	0.000	97	835002	6.38	6.33	
112 1,2-Diphenylhydrazine	77	7.739	7.739	0.000	99	1874353	7.50	7.66	
$ 113 2,4,6-Tribromophenol	330	7.809	7.809	0.000	92	378190	15.0	15.7	
114 Sulfotepp	97	7.868	7.868	0.000	79	281603	7.50	7.81	
175 1,3,5-Trinitrobenzene	213	7.959	7.959	0.000	81	115744	7.50	7.35	
115 cis-Diallate	86	7.985	7.985	0.000	80	545392	5.55	5.43	
116 Phorate	75	7.991	7.991	0.000	94	1164379	7.50	7.64	
117 Phenacetin	108	8.002	8.002	0.000	87	797556	7.50	8.10	
118 4-Bromophenyl phenyl ether	248	8.055	8.055	0.000	76	315890	7.50	7.46	
119 trans-Diallate	86	8.066	8.066	0.000	96	200390	1.95	1.93	
120 Hexachlorobenzene	284	8.098	8.098	0.000	93	376126	7.50	7.16	
121 Dimethoate	87	8.146	8.146	0.000	95	751983	7.50	7.92	
122 Atrazine	200	8.221	8.221	0.000	81	356656	7.50	7.42	
123 Pentachlorophenol	266	8.290	8.290	0.000	91	423637	15.0	15.1	
125 Pentachloronitrobenzene	237	8.301	8.301	0.000	48	170046	7.50	7.90	
124 4-Aminobiphenyl	169	8.301	8.301	0.000	92	1458280	7.50	7.78	
126 Pronamide	173	8.365	8.365	0.000	91	575925	7.50	7.63	
* 127 Phenanthrene-d10	188	8.467	8.467	0.000	95	1053799	5.00	5.00	
128 Dinoseb	211	8.478	8.478	0.000	92	224083	7.50	6.97	
68 Disulfoton	88	8.488	8.488	0.000	81	1186788	7.50	7.80	
129 Phenanthrene	178	8.488	8.488	0.000	91	1763749	7.50	7.48	
130 Anthracene	178	8.542	8.542	0.000	98	1784080	7.50	7.70	
131 Carbazole	167	8.697	8.697	0.000	96	1665091	7.50	7.79	
132 Methyl parathion	109	8.841	8.841	0.000	88	505116	7.50	7.95	
S 53 Dinitrotoluene	165				0			15.8	
133 Di-n-butyl phthalate	149	9.055	9.055	0.000	99	1952448	7.50	7.94	
134 Ethyl Parathion	109	9.216	9.216	0.000	82	300403	7.50	7.82	
135 4-Nitroquinoline-1-oxide	190	9.232	9.232	0.000	76	99101	7.50	6.91	
136 Octachlorostyrene	308	9.446	9.446	0.000	93	154438	7.50	7.15	
137 Isodrin	193	9.478	9.478	0.000	84	194065	7.50	6.96	
138 Fluoranthene	202	9.622	9.622	0.000	99	1932229	7.50	7.93	
S 63 Diallate	86				0		7.50	7.36	
139 Benzidine	184	9.761	9.761	0.000	99	3747211	22.5	24.5	
* 140 Pyrene-d10 (IS)	212	9.815	9.815	0.000	98	1084837	5.00	5.00	
141 Pyrene	202	9.831	9.831	0.000	95	1998434	7.50	7.18	
$ 142 p-Terphenyl-d14	244	10.002	10.002	0.000	99	2731626	15.0	15.2	
143 p-Dimethylamino azobenzene	225	10.141	10.141	0.000	93	316344	7.50	7.38	
144 Chlorobenzilate	139	10.189	10.189	0.000	84	629762	7.50	8.03	
145 3,3'-Dimethylbenzidine	212	10.473	10.473	0.000	98	1118010	7.50	7.94	
146 Butyl benzyl phthalate	149	10.499	10.499	0.000	92	883461	7.50	7.60	
147 2-Acetylaminofluorene	181	10.729	10.729	0.000	95	652624	7.50	7.04	
148 3,3'-Dichlorobenzidine	252	11.045	11.045	0.000	78	666015	7.50	7.69	
149 Benzo[a]anthracene	228	11.056	11.056	0.000	98	1735540	7.50	7.91	

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	11.056	11.056	0.000	67	386126	7.50	7.80	
151 Chrysene	228	11.093	11.093	0.000	97	1756443	7.50	7.68	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.152	0.000	93	1150084	7.50	7.54	
153 6-Methylchrysene	242	11.628	11.628	0.000	99	1143048	7.50	7.71	
154 Di-n-octyl phthalate	149	11.960	11.960	0.000	98	1689920	7.50	6.88	
155 Benzo[b]fluoranthene	252	12.371	12.371	0.000	97	1714311	7.50	7.82	
156 7,12-Dimethylbenz(a)anthracene	256	12.371	12.371	0.000	71	747884	7.50	7.69	
157 Benzo[k]fluoranthene	252	12.409	12.409	0.000	98	1923155	7.50	8.07	
158 Benzo[a]pyrene	252	12.805	12.805	0.000	80	1439564	7.50	7.87	
* 159 Perylene-d12	264	12.880	12.880	0.000	96	902234	5.00	5.00	
160 3-Methylcholanthrene	268	13.302	13.302	0.000	92	766875	7.50	7.62	
161 Dibenz[a,h]acridine	279	14.062	14.062	0.000	91	1261737	7.50	7.63	
162 Dibenz[a,j]acridine	279	14.131	14.131	0.000	96	1417833	7.50	7.74	
163 Indeno[1,2,3-cd]pyrene	276	14.366	14.366	0.000	99	1424706	7.50	8.43	
164 Dibenz(a,h)anthracene	278	14.415	14.415	0.000	95	1563221	7.50	8.00	
165 Benzo[g,h,i]perylene	276	14.757	14.757	0.000	96	1715036	7.50	8.39	
S 166 Isosafrole	162				0		7.50	7.72	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00028 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:08:14 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0154.D

Injection Date: 01-May-2022 18:29:26 Instrument ID: HP20296 Operator ID: mem41592

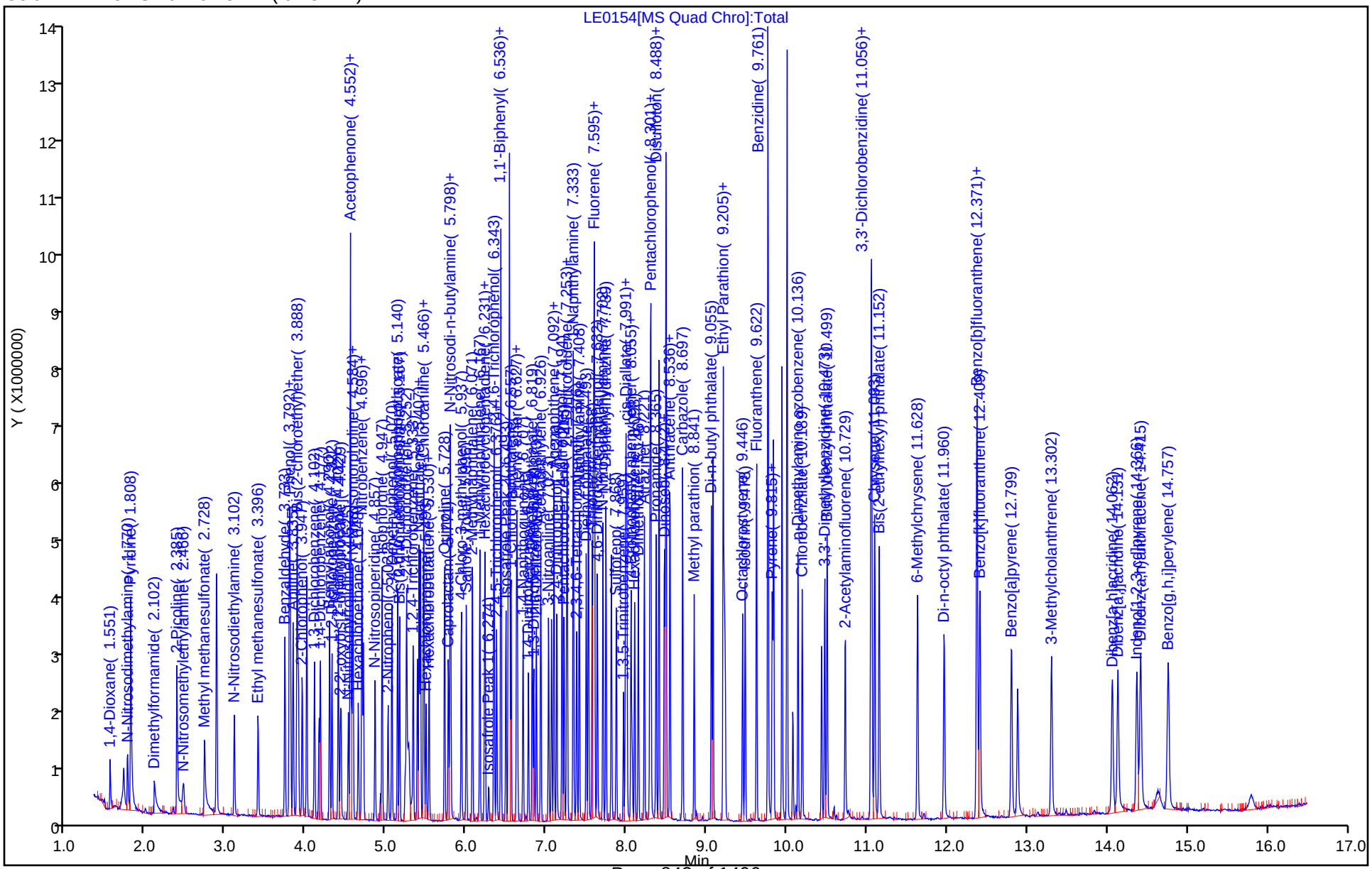
Lims ID: IC L5 Worklist Smp#: 5

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
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0155.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-May-2022 18:50:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL4
Misc. Info.: 410-0056151-006
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:22 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 11:37:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.551	1.551	0.000	93	129391	3.75	3.63	M
2 N-Nitrosodimethylamine	74	1.770	1.770	0.000	90	202011	3.75	3.32	
3 Pyridine	79	1.813	1.808	0.005	89	633559	7.50	7.03	
4 Dimethylformamide	73	2.123	2.107	0.016	97	208976	3.75	3.18	
5 2-Picoline	93	2.391	2.385	0.006	92	354244	3.75	3.68	
6 N-Nitrosomethylethylamine	88	2.466	2.466	0.000	94	196988	3.75	3.98	
9 Methyl methanesulfonate	80	2.733	2.728	0.005	87	193905	3.75	3.75	
$ 10 2-Fluorophenol	112	2.878	2.883	-0.005	96	446800	7.50	6.92	
11 N-Nitrosodiethylamine	102	3.102	3.102	0.000	86	147875	3.75	3.78	
13 Ethyl methanesulfonate	109	3.396	3.396	0.000	95	148318	3.75	3.63	
15 Benzaldehyde	77	3.733	3.733	0.000	91	337671	3.75	3.69	
$ 16 Phenol-d5	99	3.787	3.792	-0.005	99	715113	7.50	7.08	
17 Phenol	94	3.803	3.803	0.000	98	389641	3.75	3.54	
18 Aniline	93	3.835	3.835	0.000	94	484437	3.75	3.56	
19 Bis(2-chloroethyl)ether	93	3.899	3.899	0.000	90	336819	3.75	3.73	
20 2-Chlorophenol	128	3.947	3.947	0.000	85	205032	3.75	3.46	
22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	90	227138	3.75	3.47	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	95	206165	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	87	232588	3.75	3.49	
27 Benzyl alcohol	108	4.290	4.290	0.000	88	185177	3.75	3.61	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	90	225729	3.75	3.51	
31 2-Methylphenol	108	4.402	4.402	0.000	98	249074	3.75	3.60	
32 2,2'-oxybis[1-chloropropane]	45	4.429	4.429	0.000	94	510540	3.75	3.62	
34 N-Nitrosopyrrolidine	100	4.525	4.525	0.000	92	181245	3.75	3.82	
35 Acetophenone	105	4.546	4.552	-0.006	82	450426	3.75	3.73	
36 4-Methylphenol	108	4.552	4.552	0.000	72	273099	3.75	3.60	
37 N-Nitrosodi-n-propylamine	70	4.552	4.552	0.000	87	301742	3.75	3.78	
38 N-Nitrosomorpholine	56	4.568	4.568	0.000	92	296361	3.75	3.88	
39 2-Toluidine	106	4.584	4.584	0.000	93	513422	3.75	3.68	
40 Hexachloroethane	117	4.648	4.648	0.000	94	102312	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	4.691	4.696	-0.005	91	747028	7.50	7.29	
42 Nitrobenzene	77	4.712	4.712	0.000	89	391499	3.75	3.57	
44 N-Nitrosopiperidine	114	4.857	4.857	0.000	85	161226	3.75	3.94	
46 Isophorone	82	4.947	4.947	0.000	97	742155	3.75	3.65	
47 2-Nitrophenol	139	5.022	5.022	0.000	88	97754	3.75	3.34	
48 2,4-Dimethylphenol	107	5.070	5.070	0.000	99	299651	3.75	3.63	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.140	0.000	95	110662	3.75	3.48	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	92	448476	3.75	3.66	
52 2,4-Dichlorophenol	162	5.252	5.252	0.000	93	176035	3.75	3.39	
54 1,2,4-Trichlorobenzene	180	5.333	5.333	0.000	92	203805	3.75	3.60	
* 55 Naphthalene-d8	136	5.386	5.386	0.000	98	903344	5.00	5.00	
56 Naphthalene	128	5.407	5.407	0.000	97	709373	3.75	3.57	
26 Alpha-Terpineol	59	5.423	5.424	-0.001	89	374417	3.75	3.70	
57 4-Chloroaniline	127	5.466	5.466	0.000	91	324289	3.75	3.73	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	88	177836	3.75	3.44	
59 Hexachloropropene	213	5.493	5.493	0.000	90	135518	3.75	3.83	
60 Hexachlorobutadiene	225	5.530	5.536	-0.006	95	113606	3.75	3.55	
62 Quinoline	129	5.728	5.728	0.000	92	538485	3.75	3.67	
64 Caprolactam	113	5.771	5.771	0.000	73	92903	3.75	3.59	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	94	302575	3.75	3.45	
33 p-Phenylene diamine	108	5.803	5.803	0.000	91	431952	3.75	3.67	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	93	274548	3.75	3.65	
67 Safrole, Total	162	5.996	5.996	0.000	79	181868	3.75	3.78	
69 2-Methylnaphthalene	142	6.071	6.076	-0.005	89	455825	3.75	3.48	
70 1-Methylnaphthalene	142	6.167	6.167	0.000	91	444741	3.75	3.51	
71 Hexachlorocyclopentadiene	237	6.226	6.226	0.000	96	131196	3.75	3.40	
72 1,2,4,5-Tetrachlorobenzene	216	6.231	6.231	0.000	99	223995	3.75	3.54	
73 Isosafrole Peak 1	162	6.274	6.279	-0.005	79	30176	0.6000	0.5306	
74 2,4,6-Trichlorophenol	196	6.343	6.343	0.000	78	134031	3.75	3.38	
75 2,4,5-Trichlorophenol	196	6.376	6.376	0.000	91	151965	3.75	3.45	
$ 76 2-Fluorobiphenyl (Surr)	172	6.429	6.429	0.000	99	1046215	7.50	7.17	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	85	192606	3.15	3.02	
79 1,1'-Biphenyl	154	6.520	6.520	0.000	95	611780	3.75	3.63	
80 2-Chloronaphthalene	162	6.536	6.536	0.000	95	492614	3.75	3.80	
81 1-Chloronaphthalene	162	6.557	6.557	0.000	95	423433	3.75	3.39	
82 Phenyl ether	170	6.627	6.627	0.000	87	311144	3.75	3.58	
83 2-Nitroaniline	138	6.638	6.638	0.000	81	133798	3.75	3.21	
84 1,4-Naphthoquinone	158	6.707	6.707	0.000	75	183619	3.75	3.51	
85 1,4-Dinitrobenzene	168	6.771	6.771	0.000	89	71744	3.75	3.46	
86 Dimethyl phthalate	163	6.819	6.819	0.000	95	564209	3.75	3.49	
87 1,3-Dinitrobenzene	168	6.841	6.841	0.000	78	81688	3.75	3.57	
88 2,6-Dinitrotoluene	165	6.873	6.873	0.000	79	122563	3.75	3.78	
90 Acenaphthylene	152	6.926	6.926	0.000	99	731802	3.75	3.65	
91 3-Nitroaniline	138	7.023	7.023	0.000	85	144968	3.75	3.62	
* 92 Acenaphthene-d10	164	7.060	7.060	0.000	93	545774	5.00	5.00	
93 Acenaphthene	153	7.092	7.092	0.000	97	497075	3.75	3.55	
94 2,4-Dinitrophenol	184	7.124	7.130	-0.006	72	157603	11.3	9.32	
96 4-Nitrophenol	109	7.194	7.194	0.000	89	186352	7.50	6.37	
98 Pentachlorobenzene	250	7.215	7.215	0.000	97	206365	3.75	3.57	
99 2,4-Dinitrotoluene	165	7.253	7.253	0.000	80	165376	3.75	3.54	
100 Dibenzofuran	168	7.258	7.258	0.000	96	689133	3.75	3.59	
101 1-Naphthylamine	143	7.333	7.333	0.000	97	549076	3.75	3.57	

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	7.376	7.376	0.000	77	136531	3.75	3.48	
103 2-Naphthylamine	143	7.408	7.408	0.000	95	608480	3.75	3.84	
104 Diethyl phthalate	149	7.493	7.493	0.000	96	581653	3.75	3.62	
106 Thionazin	107	7.568	7.568	0.000	75	113744	3.75	3.53	
105 Fluorene	166	7.584	7.584	0.000	92	569816	3.75	3.63	
108 4-Chlorophenyl phenyl ether	204	7.590	7.590	0.000	93	255289	3.75	3.46	
107 N-Nitro-o-toluidine	152	7.595	7.595	0.000	80	161682	3.75	3.53	
109 4-Nitroaniline	138	7.600	7.600	0.000	79	154515	3.75	3.64	
110 4,6-Dinitro-2-methylphenol	198	7.632	7.632	0.000	62	142703	7.50	7.06	
111 N-Nitrosodiphenylamine	169	7.702	7.702	0.000	98	400790	3.19	3.12	
112 1,2-Diphenylhydrazine	77	7.739	7.739	0.000	99	930613	3.75	3.91	
$ 113 2,4,6-Tribromophenol	330	7.809	7.809	0.000	92	175348	7.50	6.97	
114 Sulfotepp	97	7.868	7.868	0.000	80	128936	3.75	3.68	
175 1,3,5-Trinitrobenzene	213	7.959	7.959	0.000	80	45325	3.75	2.96	
115 cis-Diallate	86	7.985	7.985	0.000	75	279581	2.78	2.86	
116 Phorate	75	7.991	7.991	0.000	94	557209	3.75	3.76	
117 Phenacetin	108	8.002	8.002	0.000	86	348916	3.75	3.64	
118 4-Bromophenyl phenyl ether	248	8.055	8.055	0.000	76	163708	3.75	3.98	
119 trans-Diallate	86	8.066	8.066	0.000	97	103850	0.9750	1.03	
120 Hexachlorobenzene	284	8.098	8.098	0.000	94	190938	3.75	3.74	
121 Dimethoate	87	8.146	8.146	0.000	95	336551	3.75	3.64	
122 Atrazine	200	8.221	8.221	0.000	81	182555	3.75	3.90	
123 Pentachlorophenol	266	8.290	8.290	0.000	90	179728	7.50	6.77	
125 Pentachloronitrobenzene	237	8.301	8.301	0.000	48	79433	3.75	3.80	
124 4-Aminobiphenyl	169	8.301	8.301	0.000	92	684271	3.75	3.76	
126 Pronamide	173	8.365	8.365	0.000	91	262222	3.75	3.57	
* 127 Phenanthrene-d10	188	8.467	8.467	0.000	96	1024763	5.00	5.00	
128 Dinoseb	211	8.478	8.478	0.000	89	88787	3.75	3.36	
68 Disulfoton	88	8.488	8.488	0.000	81	563612	3.75	3.81	
129 Phenanthrene	178	8.488	8.488	0.000	90	840330	3.75	3.67	
130 Anthracene	178	8.536	8.542	-0.006	98	846161	3.75	3.76	
131 Carbazole	167	8.697	8.697	0.000	96	790080	3.75	3.80	
132 Methyl parathion	109	8.841	8.841	0.000	90	205010	3.75	3.32	
S 53 Dinitrotoluene	165				0			7.32	
133 Di-n-butyl phthalate	149	9.055	9.055	0.000	99	887811	3.75	3.71	
134 Ethyl Parathion	109	9.216	9.216	0.000	80	122111	3.75	3.27	
135 4-Nitroquinoline-1-oxide	190	9.226	9.232	-0.006	68	38614	3.75	4.16	
136 Octachlorostyrene	308	9.446	9.446	0.000	92	70276	3.75	3.34	
137 Isodrin	193	9.478	9.478	0.000	82	96647	3.75	3.56	
138 Fluoranthene	202	9.617	9.622	-0.005	99	888497	3.75	3.75	
S 63 Diallate	86				0		3.75	3.89	
139 Benzidine	184	9.761	9.761	0.000	99	1660015	11.3	11.1	
* 140 Pyrene-d10 (IS)	212	9.815	9.815	0.000	99	1063360	5.00	5.00	
141 Pyrene	202	9.831	9.831	0.000	95	971219	3.75	3.56	
$ 142 p-Terphenyl-d14	244	10.002	10.002	0.000	99	1324592	7.50	7.54	
143 p-Dimethylamino azobenzene	225	10.136	10.141	-0.005	93	140576	3.75	3.35	
144 Chlorobenzilate	139	10.189	10.189	0.000	84	276000	3.75	3.59	
145 3,3'-Dimethylbenzidine	212	10.473	10.473	0.000	98	467700	3.75	3.39	
146 Butyl benzyl phthalate	149	10.499	10.499	0.000	92	390819	3.75	3.43	
147 2-Acetylaminofluorene	181	10.724	10.729	-0.005	95	244944	3.75	3.22	
148 3,3'-Dichlorobenzidine	252	11.045	11.045	0.000	75	279803	3.75	3.30	
149 Benzo[a]anthracene	228	11.050	11.056	-0.006	97	774035	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
150 4,4'-Methylene bis(2-chloroanil	231	11.056	11.056	0.000	87	159753	3.75	3.29	
151 Chrysene	228	11.093	11.093	0.000	97	791279	3.75	3.53	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.152	0.000	93	487862	3.75	3.26	
153 6-Methylchrysene	242	11.628	11.628	0.000	99	509776	3.75	3.51	
154 Di-n-octyl phthalate	149	11.960	11.960	0.000	98	638177	3.75	3.30	
155 Benzo[b]fluoranthene	252	12.366	12.371	-0.005	99	763348	3.75	3.73	
156 7,12-Dimethylbenz(a)anthracene	256	12.371	12.371	0.000	87	313858	3.75	3.46	
157 Benzo[k]fluoranthene	252	12.409	12.409	0.000	98	816280	3.75	3.67	
158 Benzo[a]pyrene	252	12.799	12.805	-0.006	79	617927	3.75	3.62	M
* 159 Perylene-d12	264	12.880	12.880	0.000	96	841280	5.00	5.00	
160 3-Methylcholanthrene	268	13.297	13.302	-0.005	91	309943	3.75	3.30	
161 Dibenz[a,h]acridine	279	14.062	14.062	0.000	91	531154	3.75	3.45	
162 Dibenz[a,j]acridine	279	14.131	14.131	0.000	96	577285	3.75	3.38	
163 Indeno[1,2,3-cd]pyrene	276	14.366	14.366	0.000	96	548275	3.75	3.48	
164 Dibenz(a,h)anthracene	278	14.415	14.415	0.000	94	681196	3.75	3.74	
165 Benzo[g,h,i]perylene	276	14.757	14.757	0.000	96	698583	3.75	3.67	
S 166 Isosafrole	162				0		3.75	3.55	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00020 Amount Added: 1.00 Units: mL

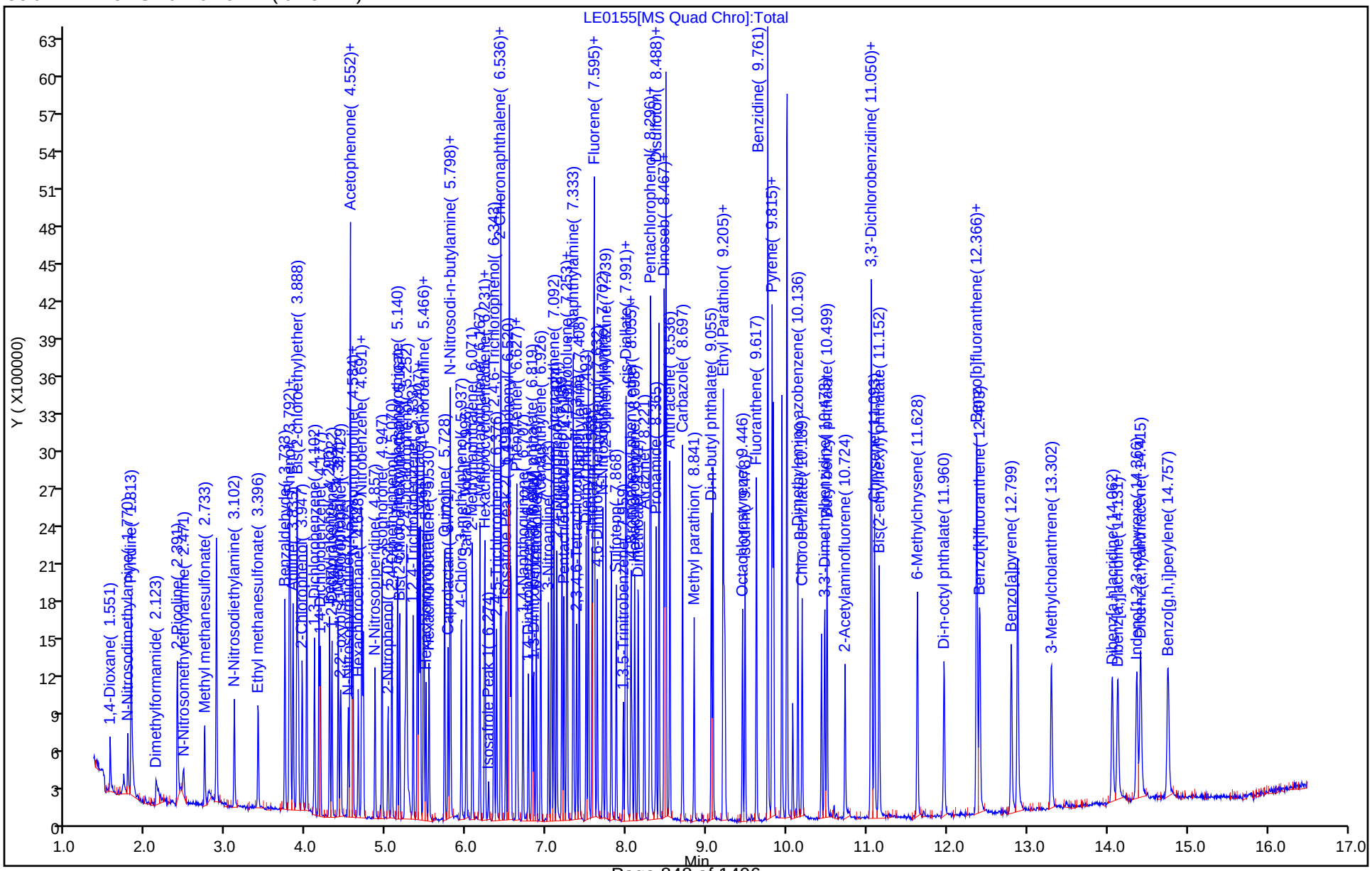
Report Date: 02-May-2022 12:08:23 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0155.D

Injection Date:	01-May-2022 18:50:18	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L4			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

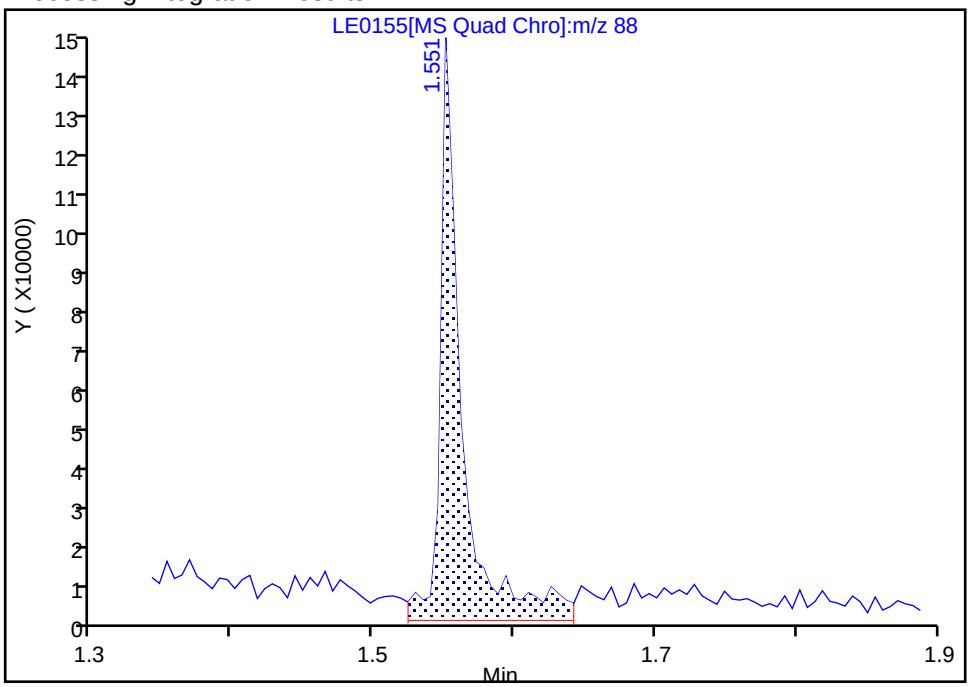
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0155.D				
Injection Date:	01-May-2022 18:50:18	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

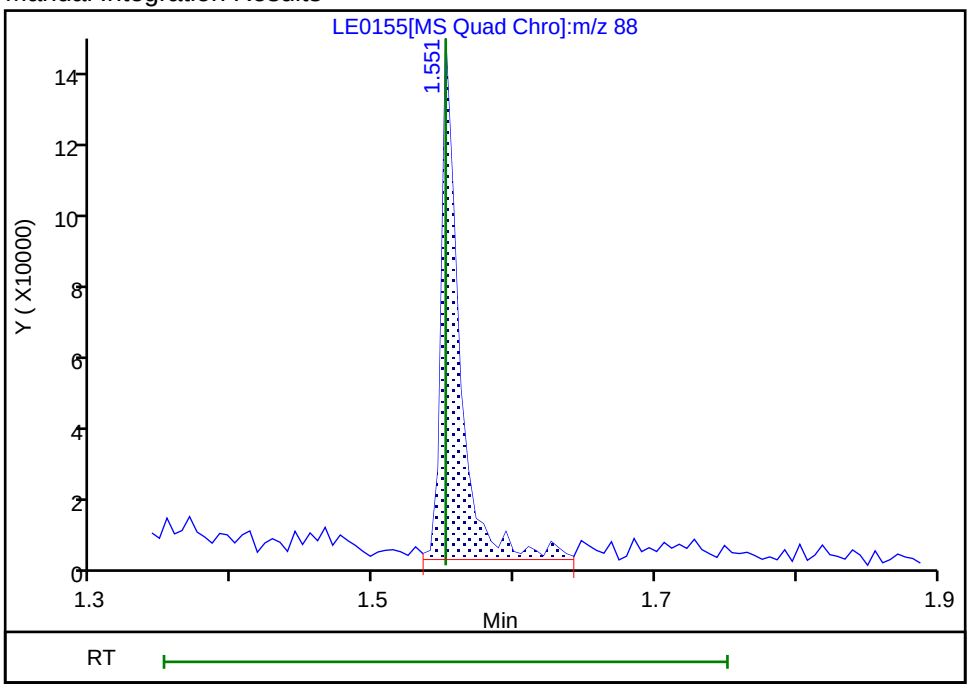
Processing Integration Results

RT: 1.55
Area: 155669
Amount: 3.994440
Amount Units: ug/ml



Manual Integration Results

RT: 1.55
Area: 129391
Amount: 3.632179
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:35:50

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

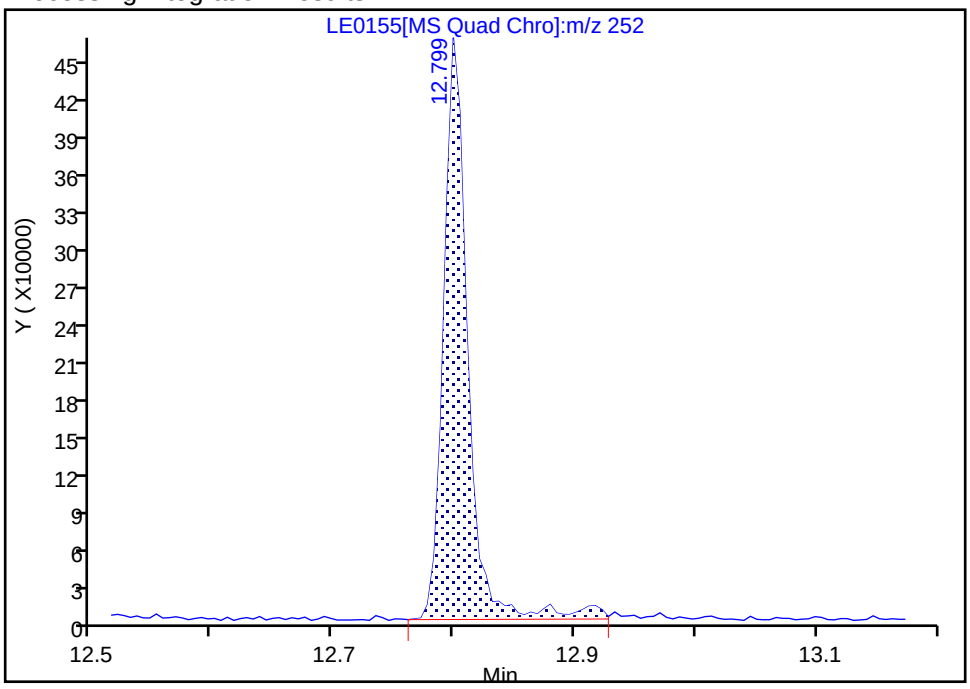
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0155.D				
Injection Date:	01-May-2022 18:50:18	Instrument ID:	HP20296		
Lims ID:	IC L4				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

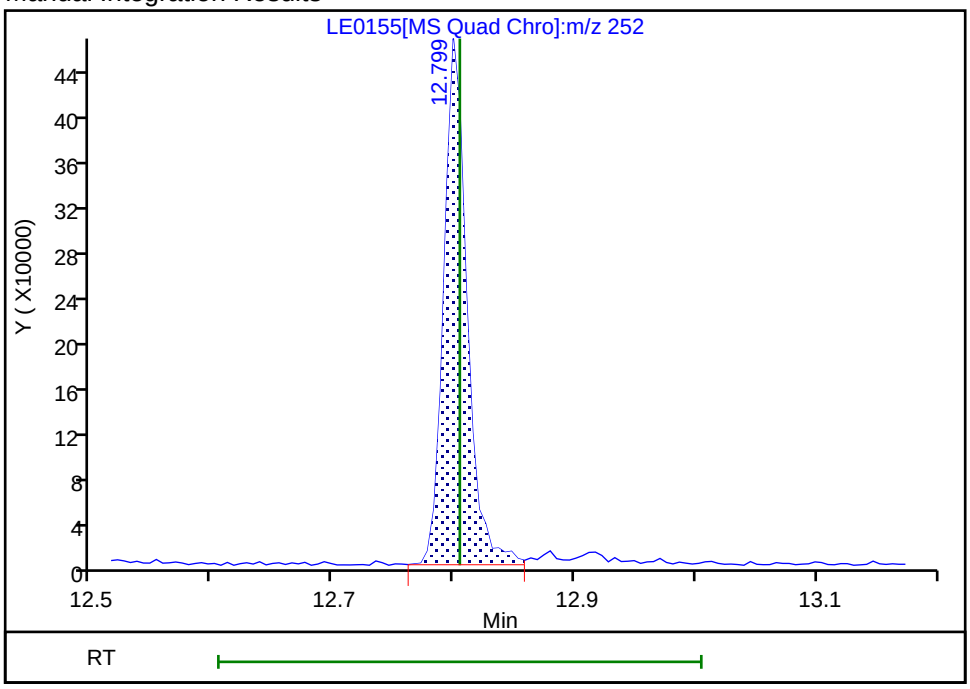
Processing Integration Results

RT: 12.80
Area: 643627
Amount: 3.767675
Amount Units: ug/ml



Manual Integration Results

RT: 12.80
Area: 617927
Amount: 3.622239
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:37:23

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0156.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-May-2022 20:04:30 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL3
Misc. Info.: 410-0056151-007
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:30 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 11:40:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.556	1.551	0.005	88	63328	1.25	1.57	M
2 N-Nitrosodimethylamine	74	1.781	1.770	0.011	90	91408	1.25	1.33	
3 Pyridine	79	1.824	1.808	0.016	92	246452	2.50	2.41	
4 Dimethylformamide	73	2.161	2.107	0.054	89	89459	1.25	1.20	M
5 2-Picoline	93	2.396	2.385	0.011	90	124225	1.25	1.14	
6 N-Nitrosomethylethylamine	88	2.476	2.466	0.010	87	82349	1.25	1.47	
9 Methyl methanesulfonate	80	2.733	2.728	0.005	83	68257	1.25	1.17	
$ 10 2-Fluorophenol	112	2.883	2.883	0.000	96	176114	2.50	2.41	
11 N-Nitrosodiethylamine	102	3.108	3.102	0.006	84	45680	1.25	1.03	
13 Ethyl methanesulfonate	109	3.402	3.396	0.006	95	51501	1.25	1.11	
15 Benzaldehyde	77	3.733	3.733	0.000	91	133966	1.25	1.29	
$ 16 Phenol-d5	99	3.792	3.792	0.000	98	265158	2.50	2.32	
17 Phenol	94	3.803	3.803	0.000	96	142306	1.25	1.14	
18 Aniline	93	3.835	3.835	0.000	95	181826	1.25	1.18	
19 Bis(2-chloroethyl)ether	93	3.905	3.899	0.006	83	120414	1.25	1.18	
20 2-Chlorophenol	128	3.953	3.947	0.006	84	75157	1.25	1.12	
22 1,3-Dichlorobenzene	146	4.108	4.102	0.006	91	93323	1.25	1.26	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	97	233473	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	88	101036	1.25	1.34	
27 Benzyl alcohol	108	4.295	4.290	0.005	88	64883	1.25	1.12	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	92	93676	1.25	1.29	
31 2-Methylphenol	108	4.402	4.402	0.000	94	83834	1.25	1.07	
32 2,2'-oxybis[1-chloropropane]	45	4.434	4.429	0.005	94	201470	1.25	1.26	
34 N-Nitrosopyrrolidine	100	4.530	4.525	0.005	87	58479	1.25	1.09	
35 Acetophenone	105	4.552	4.552	0.000	85	164558	1.25	1.20	
36 4-Methylphenol	108	4.552	4.552	0.000	60	99382	1.25	1.16	
37 N-Nitrosodi-n-propylamine	70	4.552	4.552	0.000	86	112763	1.25	1.25	
38 N-Nitrosomorpholine	56	4.568	4.568	0.000	87	103918	1.25	1.20	
39 2-Toluidine	106	4.584	4.584	0.000	94	186897	1.25	1.18	
40 Hexachloroethane	117	4.648	4.648	0.000	93	40960	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
$ 41 Nitrobenzene-d5	82	4.696	4.696	0.000	90	271626	2.50	2.49	
42 Nitrobenzene	77	4.712	4.712	0.000	90	132243	1.25	1.13	
44 N-Nitrosopiperidine	114	4.862	4.857	0.005	86	52873	1.25	1.21	
46 Isophorone	82	4.948	4.947	0.001	98	253232	1.25	1.17	
47 2-Nitrophenol	139	5.022	5.022	0.000	87	35348	1.25	1.14	
48 2,4-Dimethylphenol	107	5.071	5.070	0.001	96	96997	1.25	1.10	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.140	0.000	92	39292	1.25	1.16	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	92	172038	1.25	1.32	
52 2,4-Dichlorophenol	162	5.252	5.252	0.000	89	60514	1.25	1.10	
54 1,2,4-Trichlorobenzene	180	5.338	5.333	0.005	91	79059	1.25	1.31	
* 55 Naphthalene-d8	136	5.391	5.386	0.005	98	960581	5.00	5.00	
56 Naphthalene	128	5.408	5.407	0.001	97	265594	1.25	1.26	
26 Alpha-Terpineol	59	5.429	5.424	0.005	91	126332	1.25	1.17	
57 4-Chloroaniline	127	5.466	5.466	0.000	91	111841	1.25	1.21	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	78	63411	1.25	1.15	
59 Hexachloropropene	213	5.498	5.493	0.005	91	46632	1.25	1.24	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	93	42322	1.25	1.24	
62 Quinoline	129	5.728	5.728	0.000	93	196487	1.25	1.26	
64 Caprolactam	113	5.771	5.771	0.000	76	31985	1.25	1.16	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	95	100728	1.25	1.08	
33 p-Phenylene diamine	108	5.803	5.803	0.000	90	120292	1.25	0.9605	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	89	94151	1.25	1.18	
67 Safrole, Total	162	6.001	5.996	0.005	74	57671	1.25	1.13	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	89	167029	1.25	1.20	
70 1-Methylnaphthalene	142	6.172	6.167	0.005	93	163962	1.25	1.22	
71 Hexachlorocyclopentadiene	237	6.231	6.226	0.005	93	49489	1.25	1.21	
72 1,2,4,5-Tetrachlorobenzene	216	6.237	6.231	0.006	96	85218	1.25	1.27	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	87	12361	0.2000	0.2053	
74 2,4,6-Trichlorophenol	196	6.349	6.343	0.006	83	46908	1.25	1.12	
75 2,4,5-Trichlorophenol	196	6.381	6.376	0.005	87	50715	1.25	1.09	
$ 76 2-Fluorobiphenyl (Surr)	172	6.434	6.429	0.005	99	395316	2.50	2.56	
77 Isosafrole Peak 2	162	6.499	6.493	0.006	83	63562	1.05	0.9421	
79 1,1'-Biphenyl	154	6.525	6.520	0.005	97	217165	1.25	1.22	
80 2-Chloronaphthalene	162	6.541	6.536	0.005	81	161235	1.25	1.18	
81 1-Chloronaphthalene	162	6.557	6.557	0.000	95	171977	1.25	1.30	
82 Phenyl ether	170	6.632	6.627	0.005	87	112667	1.25	1.22	
83 2-Nitroaniline	138	6.638	6.638	0.000	72	49994	1.25	1.13	
84 1,4-Naphthoquinone	158	6.713	6.707	0.006	79	60733	1.25	1.10	
85 1,4-Dinitrobenzene	168	6.777	6.771	0.006	86	25020	1.25	1.14	
86 Dimethyl phthalate	163	6.825	6.819	0.006	96	217222	1.25	1.27	
87 1,3-Dinitrobenzene	168	6.846	6.841	0.005	80	22491	1.25	0.9292	
88 2,6-Dinitrotoluene	165	6.878	6.873	0.005	78	40975	1.25	1.19	
90 Acenaphthylene	152	6.932	6.926	0.006	98	254144	1.25	1.20	
91 3-Nitroaniline	138	7.028	7.023	0.005	82	46682	1.25	1.10	
* 92 Acenaphthene-d10	164	7.066	7.060	0.006	94	577857	5.00	5.00	
93 Acenaphthene	153	7.098	7.092	0.006	95	180051	1.25	1.21	
94 2,4-Dinitrophenol	184	7.130	7.130	0.000	68	65531	5.00	3.66	
96 4-Nitrophenol	109	7.199	7.194	0.005	85	96872	3.75	3.13	
98 Pentachlorobenzene	250	7.221	7.215	0.006	95	79615	1.25	1.30	
99 2,4-Dinitrotoluene	165	7.258	7.253	0.005	81	61640	1.25	1.25	
100 Dibenzofuran	168	7.263	7.258	0.005	95	251513	1.25	1.24	
101 1-Naphthylamine	143	7.338	7.333	0.005	97	181227	1.25	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
102 2,3,4,6-Tetrachlorophenol	232	7.381	7.376	0.005	75	52341	1.25	1.26	
103 2-Naphthylamine	143	7.413	7.408	0.005	91	198894	1.25	1.19	
104 Diethyl phthalate	149	7.499	7.493	0.006	95	206372	1.25	1.21	
106 Thionazin	107	7.574	7.568	0.006	72	39294	1.25	1.15	
105 Fluorene	166	7.590	7.584	0.006	91	194828	1.25	1.17	
108 4-Chlorophenyl phenyl ether	204	7.600	7.590	0.010	84	95535	1.25	1.22	
107 N-Nitro-o-toluidine	152	7.600	7.595	0.005	79	53631	1.25	1.10	
109 4-Nitroaniline	138	7.606	7.600	0.006	72	49309	1.25	1.10	
110 4,6-Dinitro-2-methylphenol	198	7.638	7.632	0.006	63	70280	3.75	3.08	
111 N-Nitrosodiphenylamine	169	7.707	7.702	0.005	94	158014	1.06	1.09	
112 1,2-Diphenylhydrazine	77	7.745	7.739	0.006	99	330816	1.25	1.23	
$ 113 2,4,6-Tribromophenol	330	7.814	7.809	0.005	88	58535	2.50	2.20	
114 Sulfotepp	97	7.873	7.868	0.005	76	46374	1.25	1.17	
175 1,3,5-Trinitrobenzene	213	7.964	7.959	0.005	80	16378	1.25	0.9482	
115 cis-Diallate	86	7.991	7.985	0.006	82	103406	0.9250	0.9381	
116 Phorate	75	7.996	7.991	0.005	93	189475	1.25	1.13	
117 Phenacetin	108	8.007	8.002	0.005	89	108500	1.25	1.00	
118 4-Bromophenyl phenyl ether	248	8.060	8.055	0.005	78	56746	1.25	1.22	
119 trans-Diallate	86	8.076	8.066	0.010	91	39553	0.3250	0.3479	
120 Hexachlorobenzene	284	8.103	8.098	0.005	94	74201	1.25	1.29	
121 Dimethoate	87	8.151	8.146	0.005	94	103878	1.25	1.00	
122 Atrazine	200	8.226	8.221	0.005	85	73784	1.25	1.40	
123 Pentachlorophenol	266	8.296	8.290	0.006	91	58485	2.50	2.16	
125 Pentachloronitrobenzene	237	8.306	8.301	0.005	47	27452	1.25	1.16	
124 4-Aminobiphenyl	169	8.306	8.301	0.005	91	246593	1.25	1.20	
126 Pronamide	173	8.371	8.365	0.006	90	88783	1.25	1.07	
* 127 Phenanthrene-d10	188	8.478	8.467	0.011	96	1155838	5.00	5.00	
128 Dinoseb	211	8.483	8.478	0.005	86	25503	1.25	1.51	
68 Disulfoton	88	8.499	8.488	0.011	80	194551	1.25	1.17	
129 Phenanthrene	178	8.499	8.488	0.011	92	323358	1.25	1.25	
130 Anthracene	178	8.547	8.542	0.005	98	322220	1.25	1.27	
131 Carbazole	167	8.702	8.697	0.005	95	284649	1.25	1.21	
132 Methyl parathion	109	8.847	8.841	0.006	87	69159	1.25	0.99	
S 53 Dinitrotoluene	165				0			2.44	
133 Di-n-butyl phthalate	149	9.066	9.055	0.011	99	301775	1.25	1.12	
134 Ethyl Parathion	109	9.226	9.216	0.010	80	41349	1.25	0.9813	
135 4-Nitroquinoline-1-oxide	190	9.237	9.232	0.005	70	14753	1.25	2.95	
136 Octachlorostyrene	308	9.456	9.446	0.010	90	30061	1.25	1.27	
137 Isodrin	193	9.483	9.478	0.005	86	37153	1.25	1.21	
138 Fluoranthene	202	9.628	9.622	0.006	98	316584	1.25	1.18	
S 63 Diallate	86				0		1.25	1.29	
139 Benzidine	184	9.772	9.761	0.011	98	515996	3.75	3.27	
* 140 Pyrene-d10 (IS)	212	9.825	9.815	0.010	98	1122054	5.00	5.00	
141 Pyrene	202	9.842	9.831	0.011	95	372755	1.25	1.29	
$ 142 p-Terphenyl-d14	244	10.007	10.002	0.005	98	498434	2.50	2.69	
143 p-Dimethylamino azobenzene	225	10.146	10.141	0.005	90	40309	1.25	0.9096	
144 Chlorobenzilate	139	10.200	10.189	0.011	83	87711	1.25	1.08	
145 3,3'-Dimethylbenzidine	212	10.478	10.473	0.005	99	151675	1.25	1.04	
146 Butyl benzyl phthalate	149	10.510	10.499	0.011	90	119683	1.25	1.00	
147 2-Acetylaminofluorene	181	10.735	10.729	0.006	93	70053	1.25	1.50	
148 3,3'-Dichlorobenzidine	252	11.056	11.045	0.011	76	91425	1.25	1.02	
149 Benzo[a]anthracene	228	11.066	11.056	0.010	98	268056	1.25	1.18	

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	11.066	11.056	0.010	65	52951	1.25	1.03	
151 Chrysene	228	11.104	11.093	0.011	97	282297	1.25	1.19	
152 Bis(2-ethylhexyl) phthalate	149	11.163	11.152	0.011	92	151812	1.25	0.9626	
153 6-Methylchrysene	242	11.639	11.628	0.011	97	166993	1.25	1.09	
154 Di-n-octyl phthalate	149	11.970	11.960	0.010	97	185377	1.25	1.51	
155 Benzo[b]fluoranthene	252	12.377	12.371	0.006	98	266557	1.25	1.21	
156 7,12-Dimethylbenz(a)anthracene	256	12.377	12.371	0.006	80	94866	1.25	0.9699	
157 Benzo[k]fluoranthene	252	12.414	12.409	0.005	98	287892	1.25	1.20	
158 Benzo[a]pyrene	252	12.810	12.805	0.005	80	204546	1.25	1.11	
* 159 Perylene-d12	264	12.890	12.880	0.010	96	907877	5.00	5.00	
160 3-Methylcholanthrene	268	13.313	13.302	0.011	92	88888	1.25	0.8772	
161 Dibenz[a,h]acridine	279	14.067	14.062	0.005	91	167895	1.25	1.01	
162 Dibenz[a,j]acridine	279	14.142	14.131	0.011	95	188296	1.25	1.02	
163 Indeno[1,2,3-cd]pyrene	276	14.372	14.366	0.006	97	193140	1.25	1.14	
164 Dibenz(a,h)anthracene	278	14.420	14.415	0.005	93	233065	1.25	1.19	
165 Benzo[g,h,i]perylene	276	14.773	14.757	0.016	96	234300	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_00020 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:08:31 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0156.D

Injection Date: 01-May-2022 20:04:30 Instrument ID: HP20296 Operator ID: mem41592

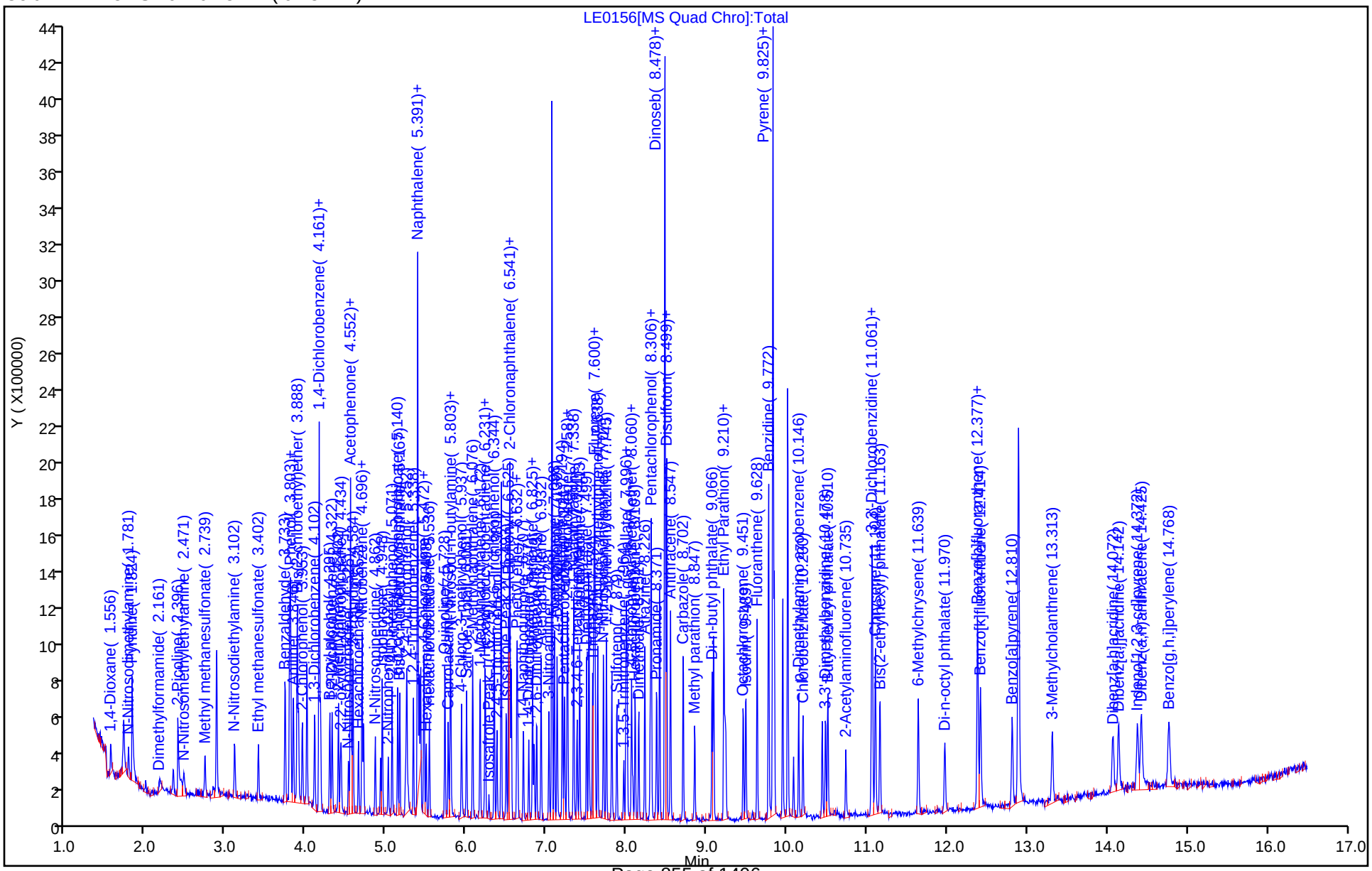
Lims ID: IC L3 Worklist Smp#: 7

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

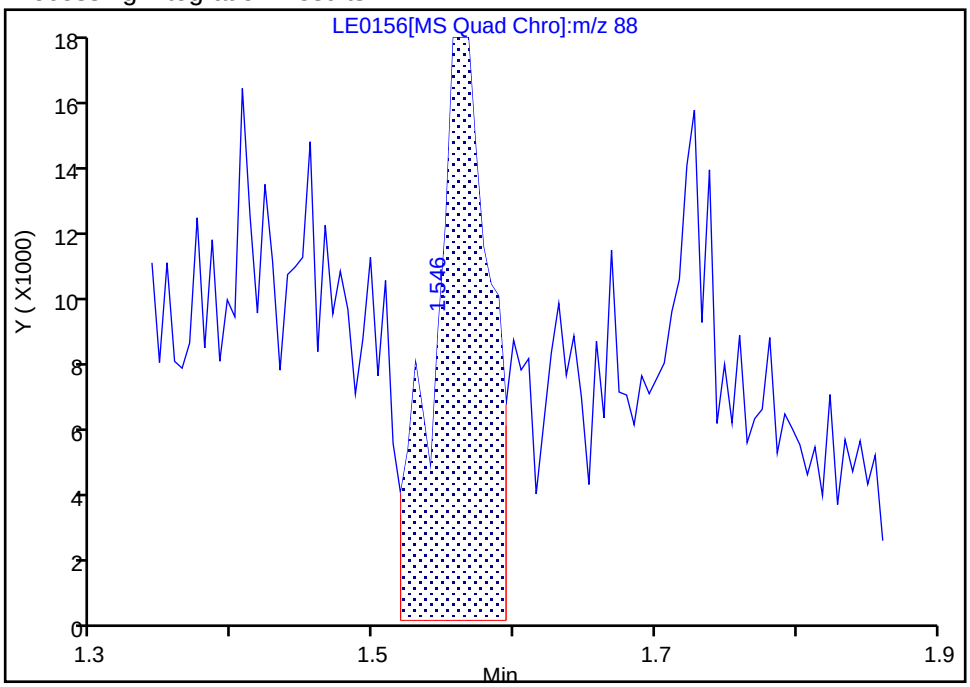
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0156.D				
Injection Date:	01-May-2022 20:04:30	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

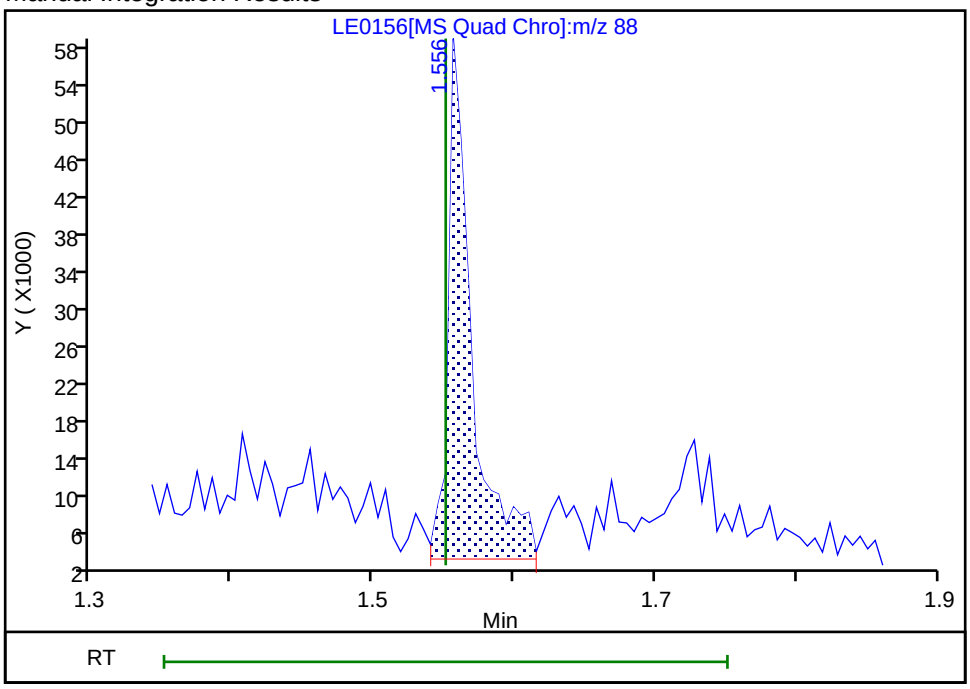
Processing Integration Results

RT: 1.55
Area: 75407
Amount: 1.446819
Amount Units: ug/ml



Manual Integration Results

RT: 1.56
Area: 63328
Amount: 1.569774
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:38:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

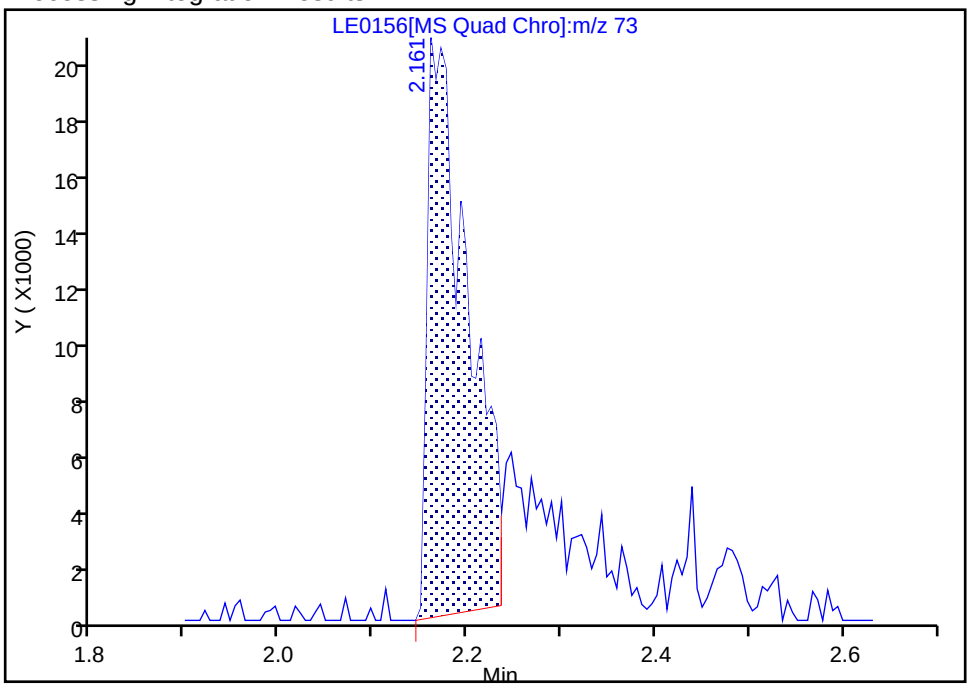
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0156.D				
Injection Date:	01-May-2022 20:04:30	Instrument ID:	HP20296		
Lims ID:	IC L3				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

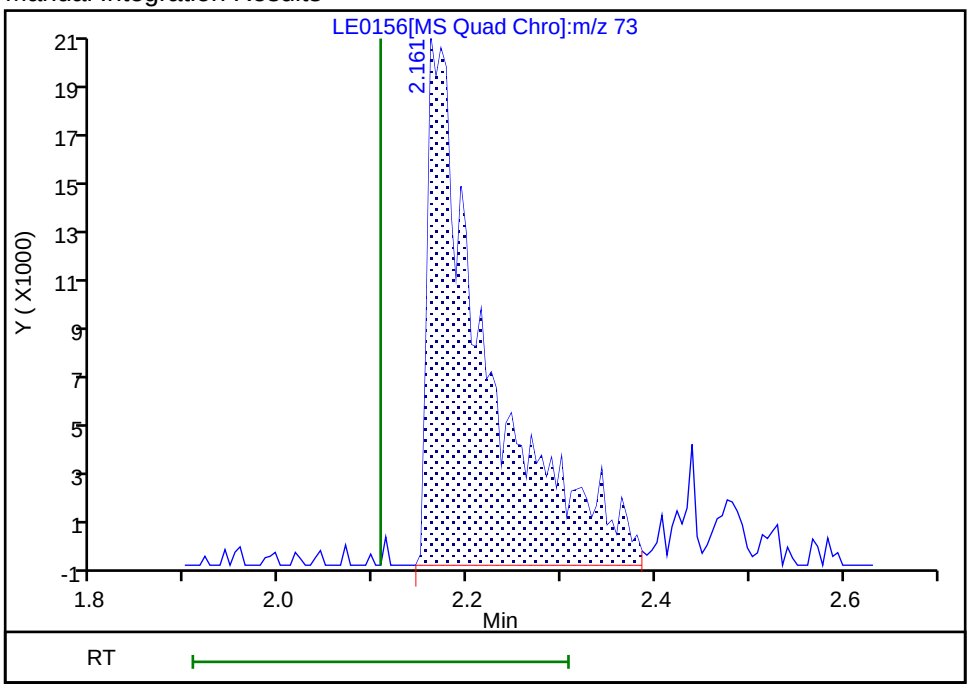
Processing Integration Results

RT: 2.16
Area: 60191
Amount: 0.973251
Amount Units: ug/ml



Manual Integration Results

RT: 2.16
Area: 89459
Amount: 1.202069
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:38:46
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-May-2022 20:25:19 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL2
Misc. Info.: 410-0056151-008
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:38 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 07:11:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.567	1.551	0.016	93	28392	0.2500	0.5634	
2 N-Nitrosodimethylamine	74	1.792	1.770	0.022	83	22053	0.2500	0.2563	
3 Pyridine	79	1.845	1.808	0.037	90	66313	0.5000	0.5198	
4 Dimethylformamide	73	2.236	2.107	0.129	20	23749	0.2500	0.2554	M
5 2-Picoline	93	2.412	2.385	0.027	87	33086	0.2500	0.2428	
6 N-Nitrosomethylethylamine	88	2.380	2.466	-0.086	27	48264	0.2500	0.6885	
9 Methyl methanesulfonate	80	2.739	2.728	0.010	83	16355	0.2500	0.2235	
$ 10 2-Fluorophenol	112	2.883	2.883	0.000	94	43731	0.5000	0.4790	
11 N-Nitrosodiethylamine	102	3.108	3.102	0.006	87	12573	0.2500	0.2271	
13 Ethyl methanesulfonate	109	3.396	3.396	0.000	87	12777	0.2500	0.2212	
15 Benzaldehyde	77	3.739	3.733	0.006	88	37335	0.2500	0.2883	
$ 16 Phenol-d5	99	3.792	3.792	0.000	97	61874	0.5000	0.4328	
17 Phenol	94	3.803	3.803	0.000	47	35551	0.2500	0.2286	a
18 Aniline	93	3.835	3.835	0.000	95	46285	0.2500	0.2407	
19 Bis(2-chloroethyl)ether	93	3.899	3.899	0.000	93	33504	0.2500	0.2620	
20 2-Chlorophenol	128	3.953	3.947	0.006	88	19598	0.2500	0.2336	
22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	91	25140	0.2500	0.2718	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	96	291669	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	88	23240	0.2500	0.2465	
27 Benzyl alcohol	108	4.295	4.290	0.005	83	16837	0.2500	0.2320	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	85	23297	0.2500	0.2563	
31 2-Methylphenol	108	4.397	4.402	-0.005	91	21910	0.2500	0.2236	
32 2,2'-oxybis[1-chloropropane]	45	4.429	4.429	0.000	91	53905	0.2500	0.2702	
34 N-Nitrosopyrrolidine	100	4.530	4.525	0.005	91	14366	0.2500	0.2138	
35 Acetophenone	105	4.546	4.552	-0.006	75	40044	0.2500	0.2342	
36 4-Methylphenol	108	4.552	4.552	0.000	52	22521	0.2500	0.2099	
37 N-Nitrosodi-n-propylamine	70	4.552	4.552	0.000	60	25907	0.2500	0.2291	
38 N-Nitrosomorpholine	56	4.568	4.568	0.000	88	23393	0.2500	0.2165	
39 2-Toluidine	106	4.584	4.584	0.000	92	48806	0.2500	0.2472	
40 Hexachloroethane	117	4.648	4.648	0.000	84	11554	0.2500	0.2747	

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	4.691	4.696	-0.005	92	59919	0.5000	0.4537	
42 Nitrobenzene	77	4.712	4.712	0.000	86	37575	0.2500	0.2654	
44 N-Nitrosopiperidine	114	4.862	4.857	0.005	78	10818	0.2500	0.2049	
46 Isophorone	82	4.947	4.947	0.000	97	62295	0.2500	0.2375	
47 2-Nitrophenol	139	5.022	5.022	0.000	90	7781	0.2500	0.2063	
48 2,4-Dimethylphenol	107	5.071	5.070	0.000	91	23659	0.2500	0.2220	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.140	0.000	81	12072	0.2500	0.2944	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	92	35445	0.2500	0.2245	
52 2,4-Dichlorophenol	162	5.252	5.252	0.000	89	16453	0.2500	0.2456	
54 1,2,4-Trichlorobenzene	180	5.333	5.333	0.000	88	17334	0.2500	0.2372	
* 55 Naphthalene-d8	136	5.386	5.386	0.000	98	1164942	5.00	5.00	
56 Naphthalene	128	5.407	5.407	0.000	94	62727	0.2500	0.2449	
26 Alpha-Terpineol	59	5.424	5.424	0.000	87	28872	0.2500	0.2211	
57 4-Chloroaniline	127	5.466	5.466	0.000	82	22581	0.2500	0.2012	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	89	16399	0.2500	0.2463	
59 Hexachloropropene	213	5.498	5.493	0.005	89	10156	0.2500	0.2225	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	88	10631	0.2500	0.2573	
62 Quinoline	129	5.728	5.728	0.000	90	41667	0.2500	0.2201	
64 Caprolactam	113	5.777	5.771	0.006	71	6055	0.2500	0.1817	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	89	35540	0.2500	0.3145	
33 p-Phenylene diamine	108	5.803	5.803	0.000	82	24464	0.2500	0.1611	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	92	19562	0.2500	0.2017	
67 Safrole, Total	162	5.996	5.996	0.000	74	13341	0.2500	0.2149	
69 2-Methylnaphthalene	142	6.071	6.076	-0.005	92	41537	0.2500	0.2456	
70 1-Methylnaphthalene	142	6.167	6.167	0.000	89	38938	0.2500	0.2384	
71 Hexachlorocyclopentadiene	237	6.226	6.226	0.000	65	10468	0.2500	0.2196	
72 1,2,4,5-Tetrachlorobenzene	216	6.237	6.231	0.005	92	20178	0.2500	0.2587	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	35	2607	0.0400	0.0372	a
74 2,4,6-Trichlorophenol	196	6.343	6.343	0.000	72	11918	0.2500	0.2435	
75 2,4,5-Trichlorophenol	196	6.376	6.376	0.000	82	11968	0.2500	0.2199	
$ 76 2-Fluorobiphenyl (Surr)	172	6.429	6.429	0.000	99	94195	0.5000	0.5234	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	88	16716	0.2100	0.2126	
79 1,1'-Biphenyl	154	6.525	6.520	0.005	96	50011	0.2500	0.2405	
80 2-Chloronaphthalene	162	6.536	6.536	0.000	94	41244	0.2500	0.2580	
81 1-Chloronaphthalene	162	6.557	6.557	0.000	93	38446	0.2500	0.2496	
82 Phenyl ether	170	6.627	6.627	0.000	88	27681	0.2500	0.2583	
83 2-Nitroaniline	138	6.632	6.638	-0.006	59	10812	0.2500	0.2101	
84 1,4-Naphthoquinone	158	6.707	6.707	0.000	63	12422	0.2500	0.1924	
85 1,4-Dinitrobenzene	168	6.771	6.771	0.000	83	4796	0.2500	0.1875	
86 Dimethyl phthalate	163	6.820	6.819	0.001	96	49607	0.2500	0.2488	
87 1,3-Dinitrobenzene	168	6.836	6.841	-0.005	79	6663	0.2500	0.2362	
88 2,6-Dinitrotoluene	165	6.873	6.873	0.000	71	6383	0.2500	0.1595	
90 Acenaphthylene	152	6.926	6.926	0.000	98	58774	0.2500	0.2376	
91 3-Nitroaniline	138	7.023	7.023	0.000	78	7765	0.2500	0.1571	
* 92 Acenaphthene-d10	164	7.060	7.060	0.000	93	673312	5.00	5.00	
93 Acenaphthene	153	7.092	7.092	0.000	96	41696	0.2500	0.2411	
94 2,4-Dinitrophenol	184	7.124	7.130	-0.006	71	32185	2.50	1.54	
96 4-Nitrophenol	109	7.194	7.194	0.000	83	41009	1.50	1.14	
98 Pentachlorobenzene	250	7.215	7.215	0.000	90	17749	0.2500	0.2486	
99 2,4-Dinitrotoluene	165	7.253	7.253	0.000	65	12963	0.2500	0.2251	
100 Dibenzofuran	168	7.258	7.258	0.000	95	59580	0.2500	0.2514	
101 1-Naphthylamine	143	7.333	7.333	0.000	97	40601	0.2500	0.2138	

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	7.376	7.376	0.000	72	11118	0.2500	0.2299	
103 2-Naphthylamine	143	7.408	7.408	0.000	91	37708	0.2500	0.1930	
104 Diethyl phthalate	149	7.493	7.493	0.000	97	43949	0.2500	0.2215	
106 Thionazin	107	7.568	7.568	0.000	67	8583	0.2500	0.2159	
105 Fluorene	166	7.579	7.584	-0.005	92	46898	0.2500	0.2424	
108 4-Chlorophenyl phenyl ether	204	7.595	7.590	0.005	83	25989	0.2500	0.2859	
107 N-Nitro-o-toluidine	152	7.595	7.595	0.000	69	11152	0.2500	0.1971	
109 4-Nitroaniline	138	7.600	7.600	0.000	77	11644	0.2500	0.2225	
110 4,6-Dinitro-2-methylphenol	198	7.633	7.632	0.000	65	27182	1.50	1.06	
111 N-Nitrosodiphenylamine	169	7.702	7.702	0.000	94	34486	0.2125	0.2124	
112 1,2-Diphenylhydrazine	77	7.739	7.739	0.000	97	75546	0.2500	0.2508	
$ 113 2,4,6-Tribromophenol	330	7.804	7.809	-0.005	78	7719	0.5000	0.2487	
114 Sulfotepp	97	7.868	7.868	0.000	75	9919	0.2500	0.2235	
175 1,3,5-Trinitrobenzene	213	7.959	7.959	0.000	79	2127	0.2500	0.1098	
115 cis-Diallate	86	7.986	7.985	0.001	80	22667	0.1850	0.1833	
116 Phorate	75	7.991	7.991	0.000	93	40688	0.2500	0.2170	
117 Phenacetin	108	8.002	8.002	0.000	81	23933	0.2500	0.1975	
118 4-Bromophenyl phenyl ether	248	8.055	8.055	0.000	76	12895	0.2500	0.2476	
119 trans-Diallate	86	8.066	8.066	0.000	49	8077	0.0650	0.0633	M
120 Hexachlorobenzene	284	8.098	8.098	0.000	90	18861	0.2500	0.2920	
121 Dimethoate	87	8.141	8.146	-0.005	94	20863	0.2500	0.1785	
122 Atrazine	200	8.221	8.221	0.000	76	12144	0.2500	0.2053	
123 Pentachlorophenol	266	8.290	8.290	0.000	86	7892	0.5000	0.5157	M
125 Pentachloronitrobenzene	237	8.301	8.301	0.000	50	5283	0.2500	0.1995	
124 4-Aminobiphenyl	169	8.301	8.301	0.000	93	46964	0.2500	0.2038	
126 Pronamide	173	8.365	8.365	0.000	85	14707	0.2500	0.1583	
* 127 Phenanthrene-d10	188	8.467	8.467	0.000	96	1296539	5.00	5.00	
128 Dinoseb	211	8.472	8.478	-0.006	62	5640	0.2500	1.01	
68 Disulfoton	88	8.488	8.488	0.000	75	40089	0.2500	0.2142	
129 Phenanthrene	178	8.488	8.488	0.000	92	80067	0.2500	0.2761	
130 Anthracene	178	8.542	8.542	0.000	97	72387	0.2500	0.2540	
131 Carbazole	167	8.697	8.697	0.000	96	58370	0.2500	0.2220	
132 Methyl parathion	109	8.841	8.841	0.000	87	13109	0.2500	0.1677	
S 53 Dinitrotoluene	165				0			0.3847	
133 Di-n-butyl phthalate	149	9.055	9.055	0.000	98	63603	0.2500	0.2102	
134 Ethyl Parathion	109	9.221	9.216	0.005	52	7123	0.2500	0.1507	
135 4-Nitroquinoline-1-oxide	190	9.232	9.232	0.000	40	2198	0.2500	2.41	
136 Octachlorostyrene	308	9.446	9.446	0.000	80	8473	0.2500	0.3187	
137 Isodrin	193	9.483	9.478	0.005	83	10472	0.2500	0.3053	
138 Fluoranthene	202	9.622	9.622	0.000	97	72858	0.2500	0.2430	
S 63 Diallate	86				0		0.2500	0.2467	
139 Benzidine	184	9.761	9.761	0.000	98	88812	0.7500	0.4956	
* 140 Pyrene-d10 (IS)	212	9.815	9.815	0.000	99	1272440	5.00	5.00	
141 Pyrene	202	9.831	9.831	0.000	97	89610	0.2500	0.2744	
$ 142 p-Terphenyl-d14	244	10.002	10.002	0.000	99	108105	0.5000	0.5141	
143 p-Dimethylamino azobenzene	225	10.141	10.141	0.000	86	7140	0.2500	0.1421	
144 Chlorobenzilate	139	10.195	10.189	0.005	81	16776	0.2500	0.1824	
145 3,3'-Dimethylbenzidine	212	10.473	10.473	0.000	97	25685	0.2500	0.1556	
146 Butyl benzyl phthalate	149	10.499	10.499	0.000	88	22306	0.2500	0.1636	
147 2-Acetylaminofluorene	181	10.729	10.729	0.000	92	14667	0.2500	0.9736	
148 3,3'-Dichlorobenzidine	252	11.045	11.045	0.000	53	18055	0.2500	0.1778	
149 Benzo[a]anthracene	228	11.056	11.056	0.000	96	56128	0.2500	0.2181	

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	11.056	11.056	0.000	63	8718	0.2500	0.1502	
151 Chrysene	228	11.093	11.093	0.000	98	66217	0.2500	0.2468	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.152	0.000	91	29888	0.2500	0.1671	
153 6-Methylchrysene	242	11.628	11.628	0.000	95	35469	0.2500	0.2040	
154 Di-n-octyl phthalate	149	11.965	11.960	0.005	98	34801	0.2500	0.9663	
155 Benzo[b]fluoranthene	252	12.371	12.371	0.000	97	58004	0.2500	0.2332	
156 7,12-Dimethylbenz(a)anthracene	256	12.366	12.371	-0.005	67	17328	0.2500	0.1572	
157 Benzo[k]fluoranthene	252	12.409	12.409	0.000	98	57961	0.2500	0.2144	
158 Benzo[a]pyrene	252	12.799	12.805	-0.006	80	39977	0.2500	0.1927	
* 159 Perylene-d12	264	12.885	12.880	0.005	97	1023216	5.00	5.00	
160 3-Methylcholanthrene	268	13.297	13.302	-0.005	85	19914	0.2500	0.1744	
161 Dibenz[a,h]acridine	279	14.056	14.062	-0.006	91	33810	0.2500	0.1803	
162 Dibenz[a,j]acridine	279	14.131	14.131	0.000	92	33744	0.2500	0.1624	
163 Indeno[1,2,3-cd]pyrene	276	14.366	14.366	0.000	87	37409	0.2500	0.1951	M
164 Dibenz(a,h)anthracene	278	14.415	14.415	0.000	90	45856	0.2500	0.2069	
165 Benzo[g,h,i]perylene	276	14.757	14.757	0.000	94	47587	0.2500	0.2054	
S 166 Isosafrole	162				0		0.2500	0.2498	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00021 Amount Added: 1.00 Units: mL

Report Date: 02-May-2022 12:08:39 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D

Injection Date: 01-May-2022 20:25:19 Instrument ID: HP20296 Operator ID: mem41592

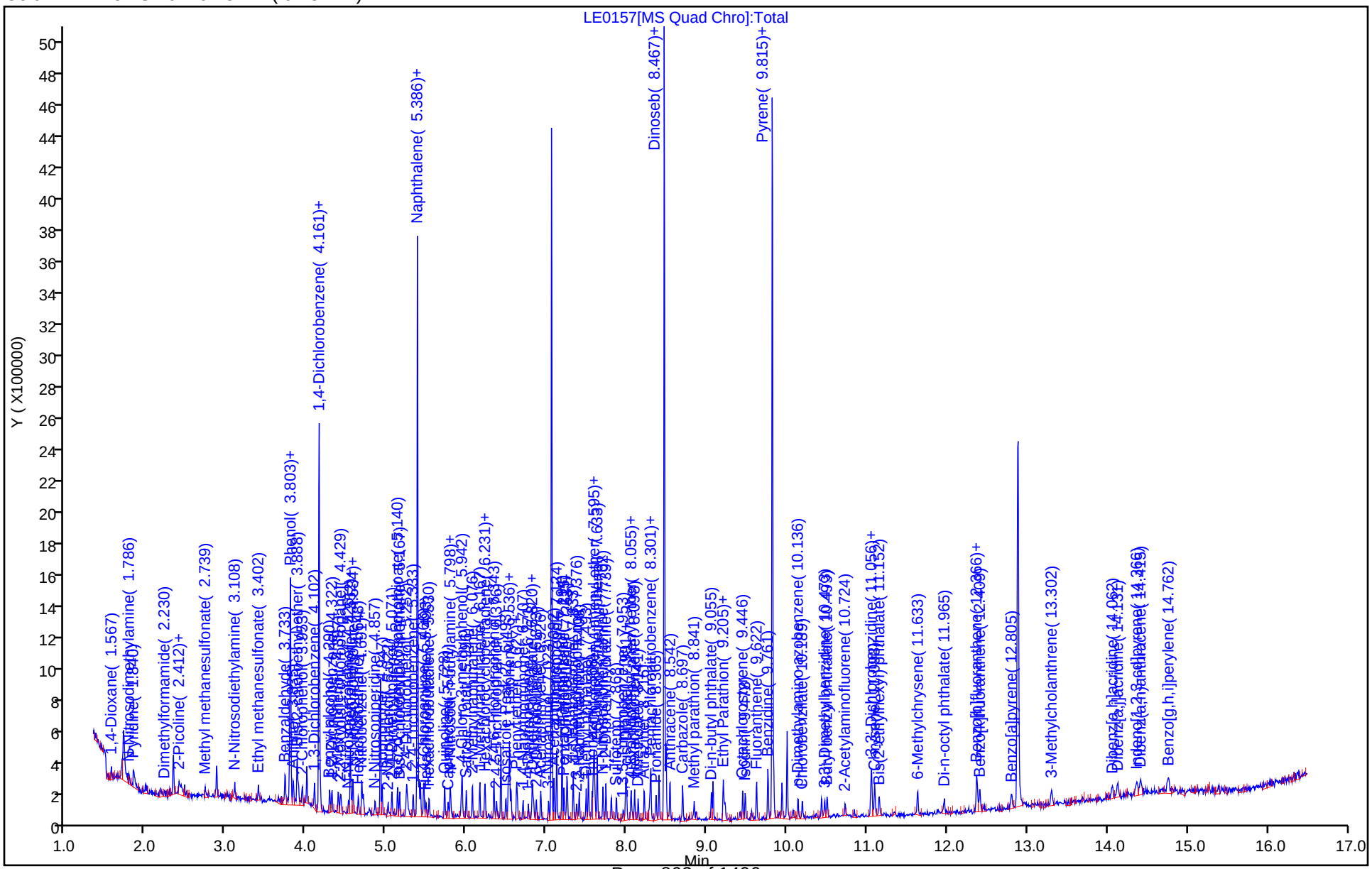
Lims ID: IC L2 Worklist Smp#: 8

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

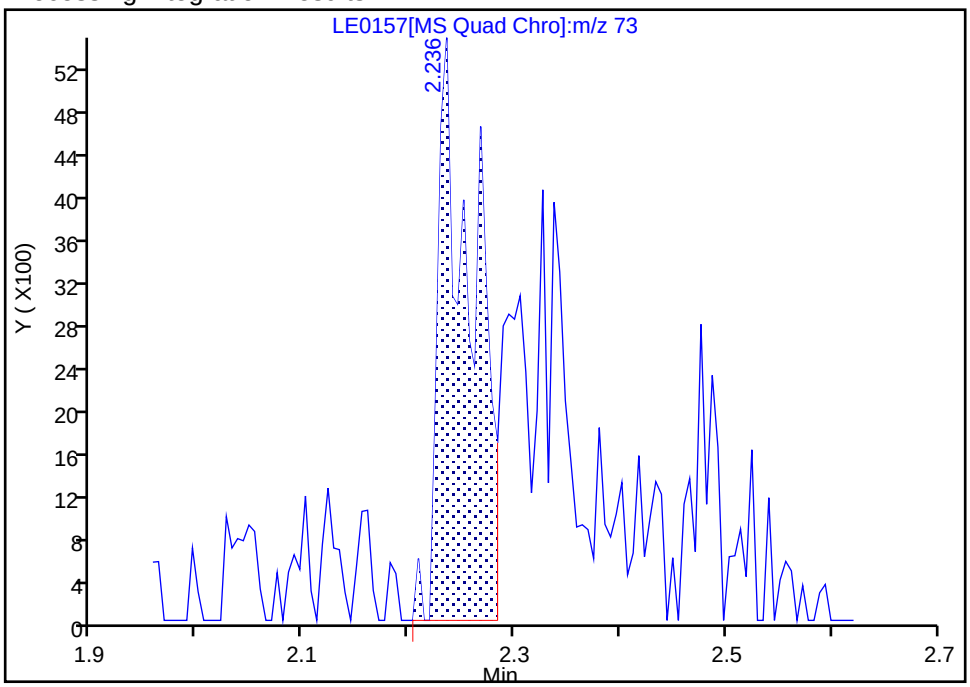
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D				
Injection Date:	01-May-2022 20:25:19	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

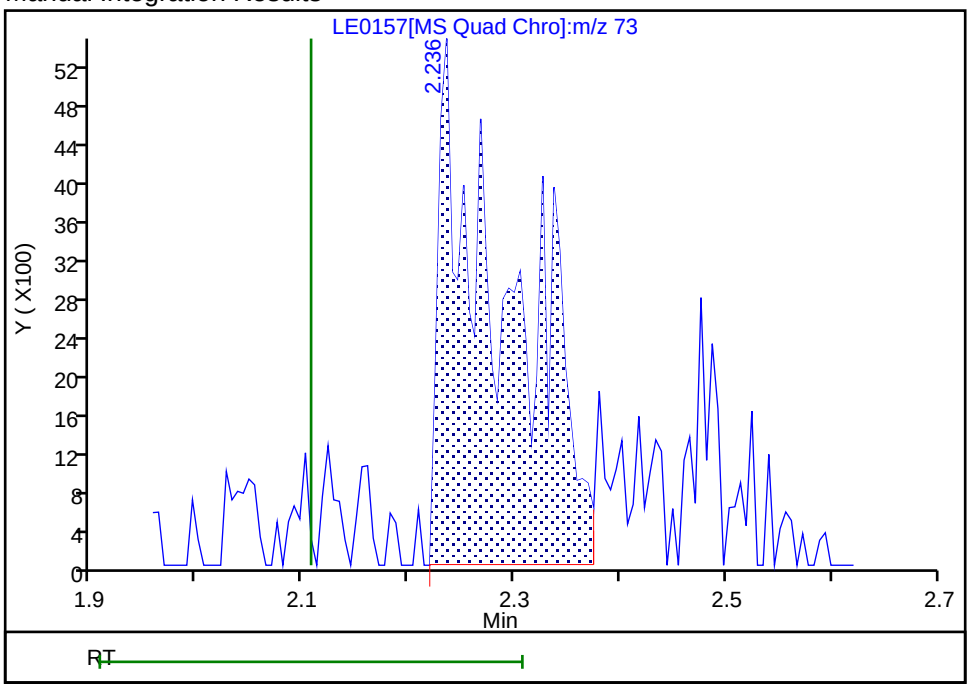
Processing Integration Results

RT: 2.24
Area: 12236
Amount: 0.316323
Amount Units: ug/ml



Manual Integration Results

RT: 2.24
Area: 23749
Amount: 0.255445
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:41:40
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

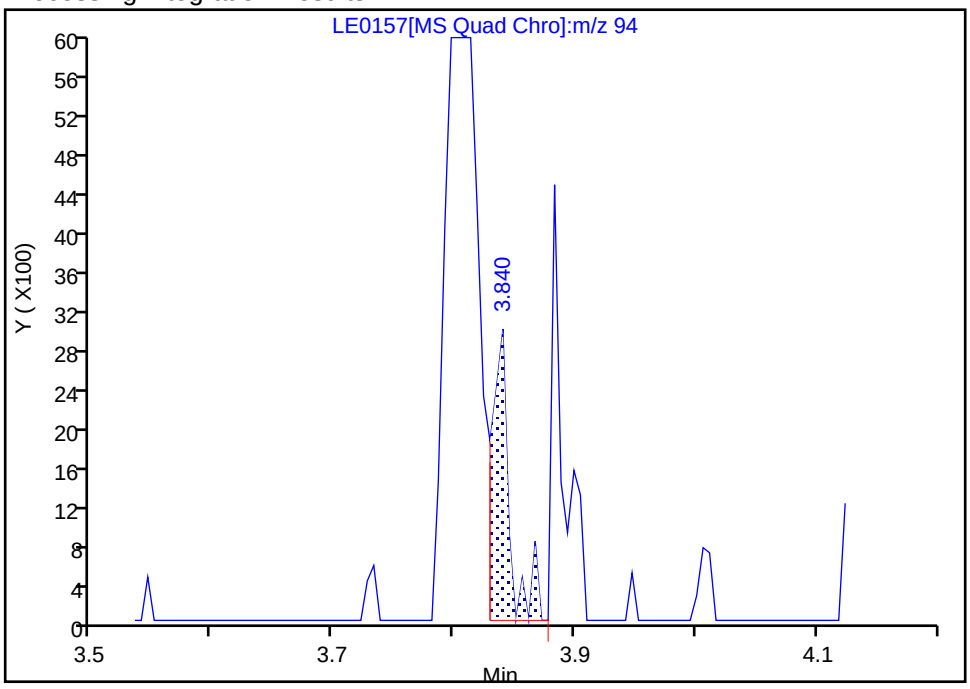
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D				
Injection Date:	01-May-2022 20:25:19	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

17 Phenol, CAS: 108-95-2

Signal: 1

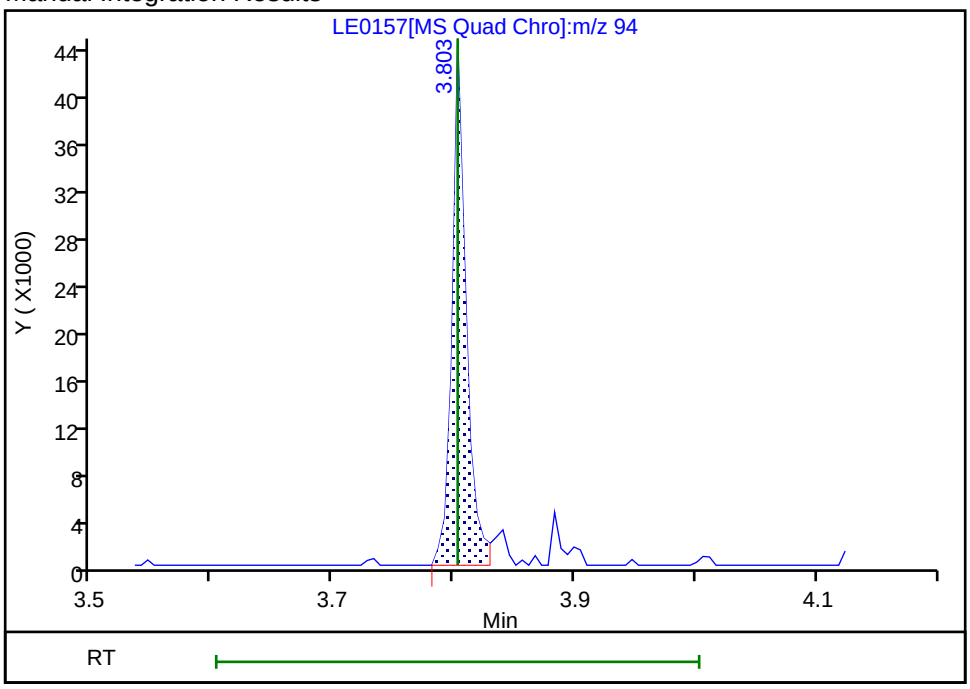
Processing Integration Results

RT: 3.84
Area: 2697
Amount: 0.234106
Amount Units: ug/ml



Manual Integration Results

RT: 3.80
Area: 35551
Amount: 0.228562
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:41:47
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

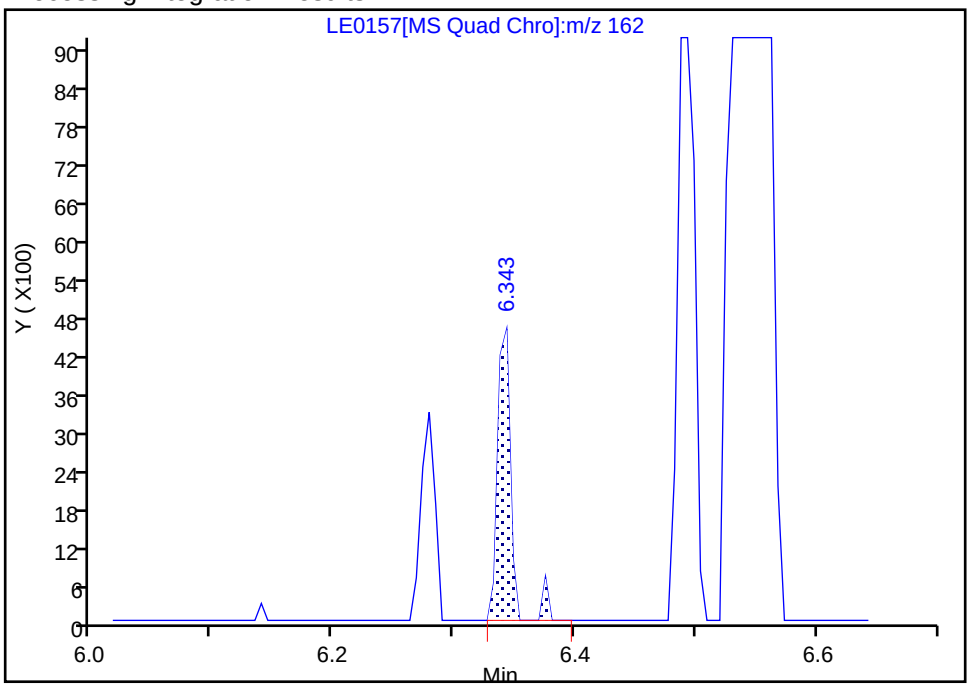
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D				
Injection Date:	01-May-2022 20:25:19	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

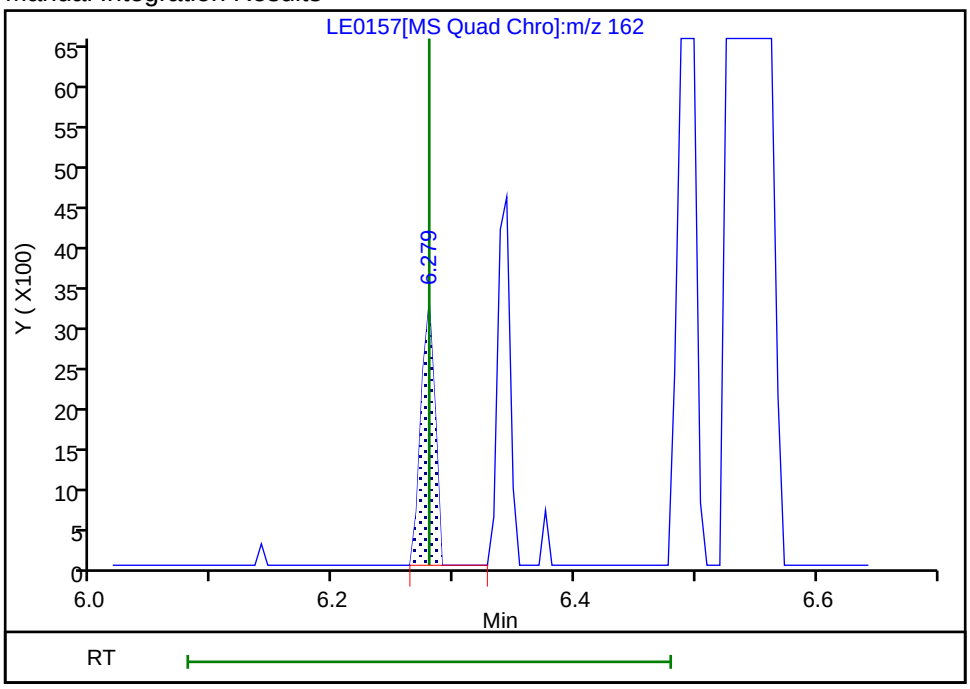
Processing Integration Results

RT: 6.34
Area: 3507
Amount: 0.047798
Amount Units: ug/ml



Manual Integration Results

RT: 6.28
Area: 2607
Amount: 0.037159
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:42:23
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

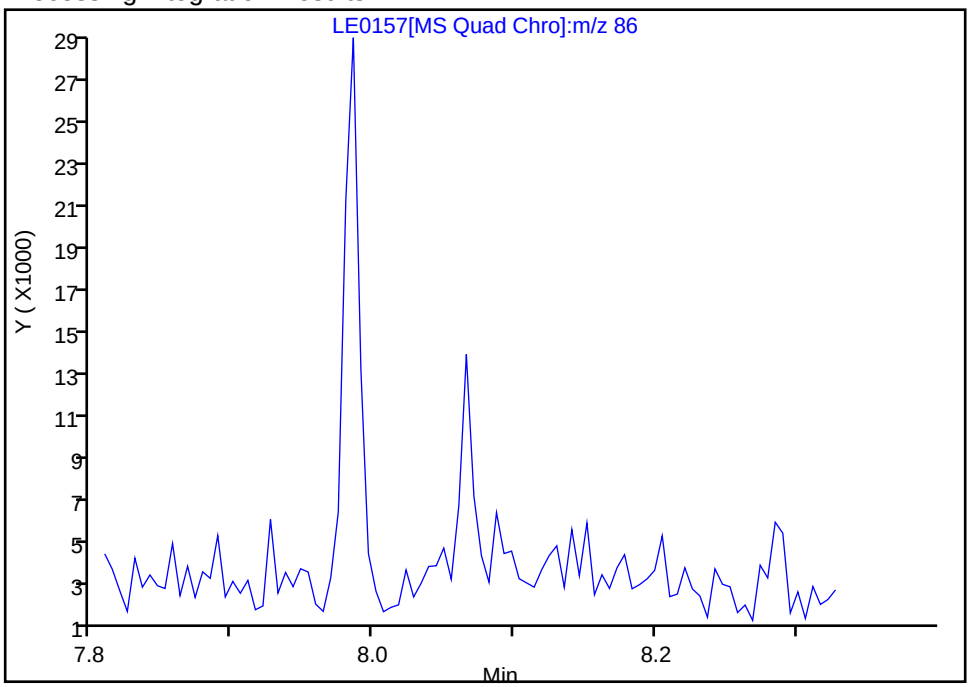
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D				
Injection Date:	01-May-2022 20:25:19	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

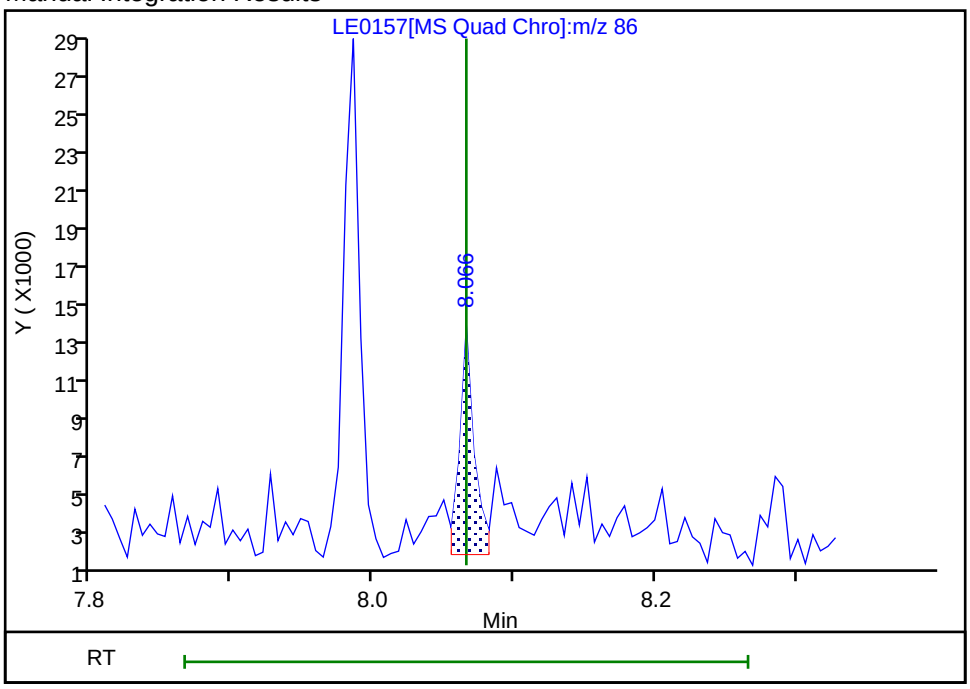
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 8077
Amount: 0.063342
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:42:57
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

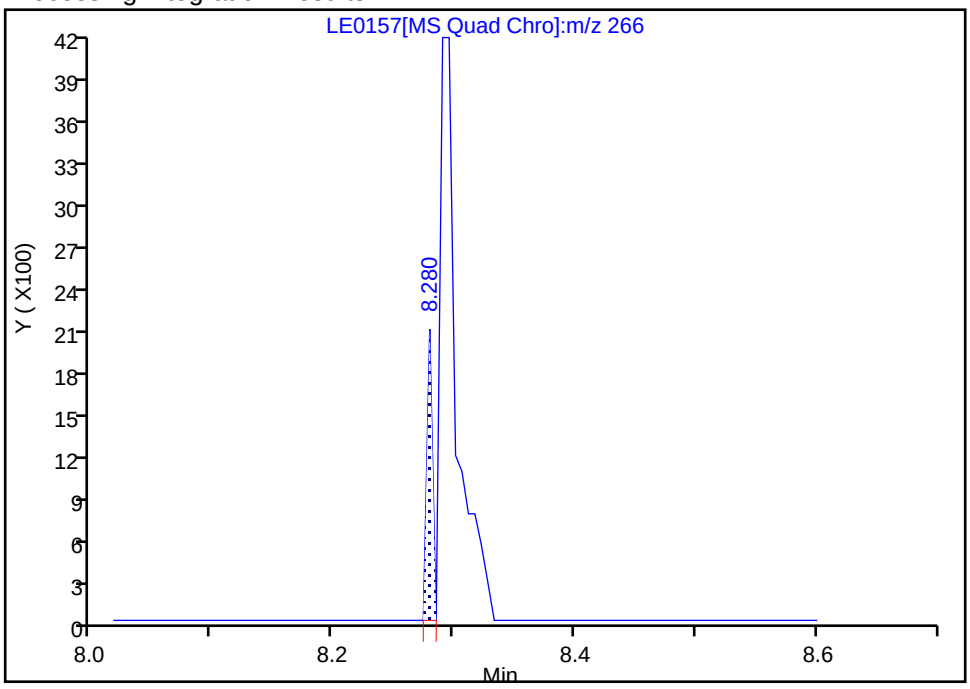
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D
Injection Date: 01-May-2022 20:25:19 Instrument ID: HP20296
Lims ID: IC L2
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.18mm (0.18 mm) Detector MS SCAN

123 Pentachlorophenol, CAS: 87-86-5

Signal: 1

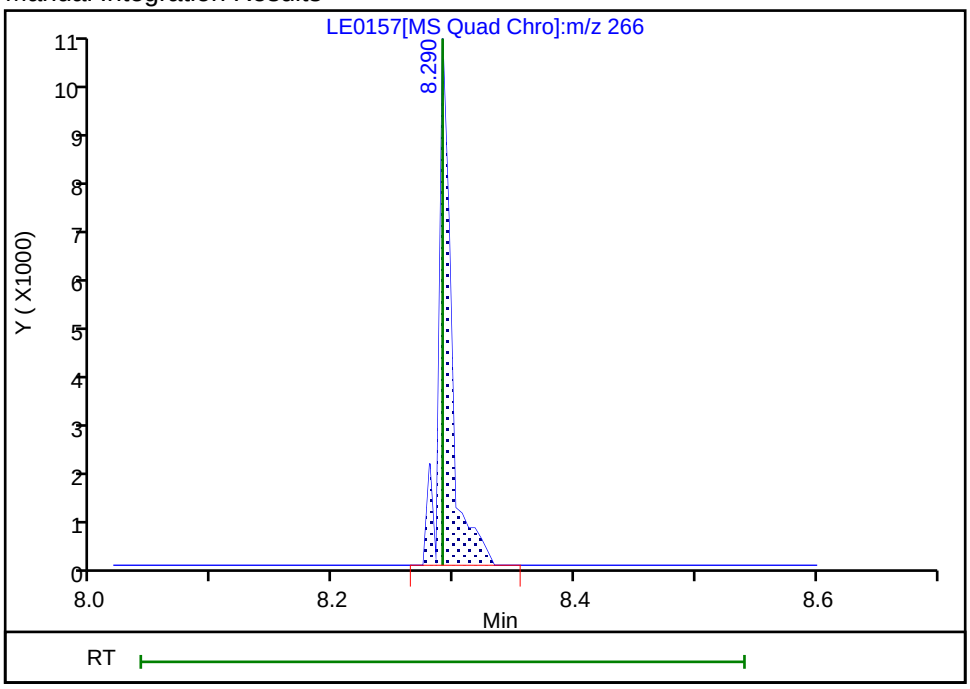
Processing Integration Results

RT: 8.28
Area: 674
Amount: 0.613412
Amount Units: ug/ml



Manual Integration Results

RT: 8.29
Area: 7892
Amount: 0.515714
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:43:06
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

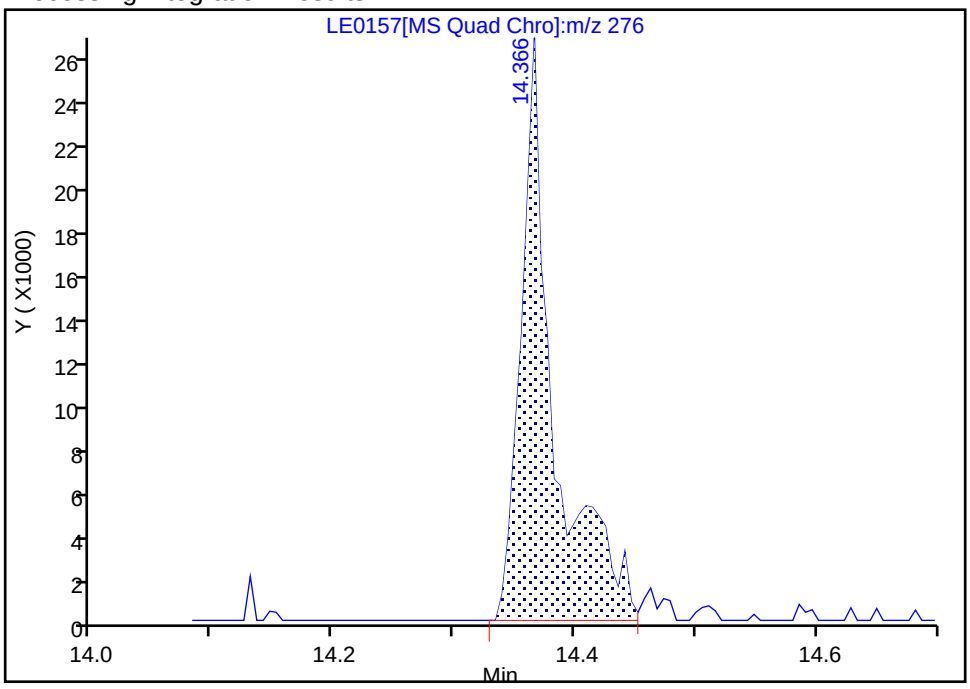
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0157.D				
Injection Date:	01-May-2022 20:25:19	Instrument ID:	HP20296		
Lims ID:	IC L2				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit 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

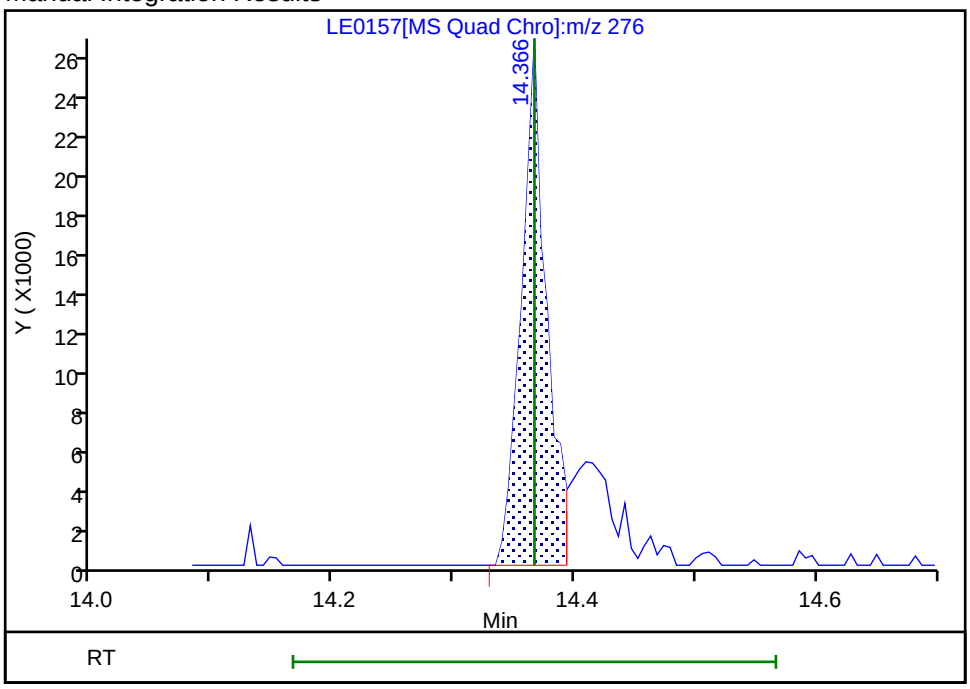
Processing Integration Results

RT: 14.37
Area: 49701
Amount: 0.245010
Amount Units: ug/ml



Manual Integration Results

RT: 14.37
Area: 37409
Amount: 0.195100
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 07:11:19

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\20220501-56151.b\LE0158.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-May-2022 20:46:08 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICL1
Misc. Info.: 410-0056151-009
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 12:08:45 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 07:11:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.567	1.551	0.016	18	71396	0.1250	1.74	
	2 N-Nitrosodimethylamine	74	1.797	1.770	0.027	65	9085	0.1250	0.1296	
	3 Pyridine	79	1.856	1.808	0.048	87	23965	0.2500	0.2305	
	4 Dimethylformamide	73	2.091	2.107	-0.016	1	3099	0.1250	0.0409	
	5 2-Picoline	93	2.423	2.385	0.038	85	16429	0.1250	0.1479	
	6 N-Nitrosomethylethylamine	88	2.428	2.466	-0.038	27	37673	0.1250	0.6594	
	9 Methyl methanesulfonate	80	2.744	2.728	0.016	50	7760	0.1250	0.1301	
$	10 2-Fluorophenol	112	2.883	2.883	0.000	85	16049	0.2500	0.2157	
	11 N-Nitrosodiethylamine	102	3.108	3.102	0.006	57	6336	0.1250	0.1404	
	13 Ethyl methanesulfonate	109	3.396	3.396	0.000	52	2403	0.1250	0.0510	
$	16 Phenol-d5	99	3.792	3.792	0.000	74	25771	0.2500	0.2212	
	17 Phenol	94	3.803	3.803	0.000	46	16009	0.1250	0.1263	
	18 Aniline	93	3.840	3.835	0.005	65	18601	0.1250	0.1187	
	19 Bis(2-chloroethyl)ether	93	3.905	3.899	0.006	71	12812	0.1250	0.1230	
	20 2-Chlorophenol	128	3.947	3.947	0.000	54	6496	0.1250	0.0950	
	22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	84	10461	0.1250	0.1388	
*	24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	95	237711	5.00	5.00	
	25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	92	10805	0.1250	0.1406	
	27 Benzyl alcohol	108	4.295	4.290	0.005	73	7392	0.1250	0.1250	
	29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	84	10714	0.1250	0.1446	
	31 2-Methylphenol	108	4.397	4.402	-0.005	58	6498	0.1250	0.0814	
	32 2,2'-oxybis[1-chloropropane]	45	4.429	4.429	0.000	91	23879	0.1250	0.1469	
	34 N-Nitrosopyrrolidine	100	4.525	4.525	0.000	49	4540	0.1250	0.0829	
	35 Acetophenone	105	4.552	4.552	0.000	69	13900	0.1250	0.0997	
	36 4-Methylphenol	108	4.546	4.552	-0.006	66	9790	0.1250	0.1119	
	37 N-Nitrosodi-n-propylamine	70	4.552	4.552	0.000	73	11147	0.1250	0.1210	
	38 N-Nitrosomorpholine	56	4.568	4.568	0.000	38	10175	0.1250	0.1156	
	39 2-Toluidine	106	4.584	4.584	0.000	95	16177	0.1250	0.1005	
	40 Hexachloroethane	117	4.648	4.648	0.000	40	5440	0.1250	0.1587	
$	41 Nitrobenzene-d5	82	4.691	4.696	-0.005	87	28097	0.2500	0.2566	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.712	4.712	0.000	71	13915	0.1250	0.1185	
44 N-Nitrosopiperidine	114	4.862	4.857	0.005	82	5372	0.1250	0.1227	
46 Isophorone	82	4.948	4.947	0.001	68	25441	0.1250	0.1170	
47 2-Nitrophenol	139	5.022	5.022	0.000	46	3348	0.1250	0.1070	
48 2,4-Dimethylphenol	107	5.071	5.070	0.001	90	10920	0.1250	0.1235	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.140	0.000	81	3538	0.1250	0.1041	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	78	15747	0.1250	0.1203	
52 2,4-Dichlorophenol	162	5.252	5.252	0.000	56	5801	0.1250	0.1045	
54 1,2,4-Trichlorobenzene	180	5.333	5.333	0.000	88	8065	0.1250	0.1331	
* 55 Naphthalene-d8	136	5.386	5.386	0.000	98	965978	5.00	5.00	
56 Naphthalene	128	5.408	5.407	0.001	33	27363	0.1250	0.1289	
26 Alpha-Terpineol	59	5.424	5.424	0.000	47	12822	0.1250	0.1184	
57 4-Chloroaniline	127	5.461	5.466	-0.005	67	10961	0.1250	0.1178	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	69	5059	0.1250	0.0916	
59 Hexachloropropene	213	5.493	5.493	0.000	81	4529	0.1250	0.1196	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	71	2974	0.1250	0.0868	
62 Quinoline	129	5.728	5.728	0.000	90	19950	0.1250	0.1271	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	87	26428	0.1250	0.2820	
33 p-Phenylene diamine	108	5.803	5.803	0.000	65	8660	0.1250	0.0688	
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	81	6112	0.1250	0.0760	
67 Safrole, Total	162	5.996	5.996	0.000	70	5957	0.1250	0.1157	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	93	19950	0.1250	0.1423	
70 1-Methylnaphthalene	142	6.167	6.167	0.000	96	19694	0.1250	0.1454	
71 Hexachlorocyclopentadiene	237	6.226	6.226	0.000	54	3689	0.1250	0.0911	
72 1,2,4,5-Tetrachlorobenzene	216	6.231	6.231	0.000	87	9246	0.1250	0.1396	
73 Isosafrole Peak 1	162	6.274	6.279	-0.005	6	1467	0.0200	0.0246	
74 2,4,6-Trichlorophenol	196	6.344	6.343	0.001	80	4065	0.1250	0.0978	
75 2,4,5-Trichlorophenol	196	6.376	6.376	0.000	33	4154	0.1250	0.0899	
$ 76 2-Fluorobiphenyl (Surr)	172	6.429	6.429	0.000	98	43848	0.2500	0.2869	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	81	7293	0.1050	0.1092	
79 1,1'-Biphenyl	154	6.520	6.520	0.000	93	21542	0.1250	0.1220	
80 2-Chloronaphthalene	162	6.536	6.536	0.000	91	33637	0.1250	0.2478	
81 1-Chloronaphthalene	162		6.557				ND	ND	
82 Phenyl ether	170	6.627	6.627	0.000	83	13643	0.1250	0.1499	
83 2-Nitroaniline	138	6.638	6.638	0.000	48	2566	0.1250	0.0587	
84 1,4-Naphthoquinone	158	6.702	6.707	-0.005	56	4858	0.1250	0.0886	
85 1,4-Dinitrobenzene	168	6.777	6.771	0.006	49	1779	0.1250	0.0819	
86 Dimethyl phthalate	163	6.820	6.819	0.001	84	17931	0.1250	0.1059	
87 1,3-Dinitrobenzene	168		6.841				ND	ND	
88 2,6-Dinitrotoluene	165		6.873				ND	ND	
90 Acenaphthylene	152	6.927	6.926	0.001	98	23989	0.1250	0.1142	
91 3-Nitroaniline	138	7.023	7.023	0.000	64	3019	0.1250	0.0719	
* 92 Acenaphthene-d10	164	7.060	7.060	0.000	93	571826	5.00	5.00	
93 Acenaphthene	153	7.092	7.092	0.000	94	19503	0.1250	0.1328	
94 2,4-Dinitrophenol	184	7.124	7.130	-0.006	71	13294	1.25	0.7501	
96 4-Nitrophenol	109	7.194	7.194	0.000	82	12479	0.7500	0.4074	
98 Pentachlorobenzene	250	7.215	7.215	0.000	87	7665	0.1250	0.1264	
99 2,4-Dinitrotoluene	165	7.247	7.253	-0.006	60	5460	0.1250	0.1117	
100 Dibenzofuran	168	7.258	7.258	0.000	95	25622	0.1250	0.1273	
101 1-Naphthylamine	143	7.333	7.333	0.000	96	20146	0.1250	0.1249	
102 2,3,4,6-Tetrachlorophenol	232	7.376	7.376	0.000	40	3345	0.1250	0.0814	
103 2-Naphthylamine	143	7.408	7.408	0.000	93	18284	0.1250	0.1102	

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	7.493	7.493	0.000	94	19814	0.1250	0.1176	
106 Thionazin	107	7.568	7.568	0.000	72	5456	0.1250	0.1616	
105 Fluorene	166	7.579	7.584	-0.005	77	22069	0.1250	0.1343	
108 4-Chlorophenyl phenyl ether	204	7.595	7.590	0.005	73	11868	0.1250	0.1537	
107 N-Nitro-o-toluidine	152	7.595	7.595	0.000	62	3011	0.1250	0.0627	
109 4-Nitroaniline	138	7.595	7.600	-0.005	64	3421	0.1250	0.0770	
110 4,6-Dinitro-2-methylphenol	198	7.633	7.632	0.001	37	8419	0.7500	0.3728	
111 N-Nitrosodiphenylamine	169	7.702	7.702	0.000	91	13587	0.1063	0.0947	
112 1,2-Diphenylhydrazine	77	7.740	7.739	0.001	96	35050	0.1250	0.1317	
$ 113 2,4,6-Tribromophenol	330	7.809	7.809	0.000	83	5947	0.2500	0.2256	
114 Sulfotepp	97	7.868	7.868	0.000	70	4400	0.1250	0.1122	
175 1,3,5-Trinitrobenzene	213	7.959	7.959	0.000	64	1564	0.1250	0.0914	
115 cis-Diallate	86	7.980	7.985	-0.005	22	10106	0.0925	0.0925	
116 Phorate	75	7.991	7.991	0.000	90	17026	0.1250	0.1028	
117 Phenacetin	108	7.996	8.002	-0.006	49	8470	0.1250	0.0791	
118 4-Bromophenyl phenyl ether	248		8.055				ND	ND	
119 trans-Diallate	86		8.066				ND	ND	
120 Hexachlorobenzene	284	8.098	8.098	0.000	87	6414	0.1250	0.1124	
121 Dimethoate	87	8.141	8.146	-0.005	91	9456	0.1250	0.0916	
123 Pentachlorophenol	266	8.290	8.290	0.000	54	5131	0.2500	0.4563	
125 Pentachloronitrobenzene	237	8.296	8.301	-0.005	50	2002	0.1250	0.0856	
124 4-Aminobiphenyl	169	8.301	8.301	0.000	90	19626	0.1250	0.0964	
126 Pronamide	173	8.365	8.365	0.000	80	5928	0.1250	0.0722	
* 127 Phenanthrene-d10	188	8.467	8.467	0.000	96	1145463	5.00	5.00	
128 Dinoseb	211	8.478	8.478	0.000	61	1712	0.1250	0.9239	
68 Disulfoton	88	8.488	8.488	0.000	79	19533	0.1250	0.1182	
129 Phenanthrene	178	8.488	8.488	0.000	90	33303	0.1250	0.1300	
130 Anthracene	178	8.536	8.542	-0.006	95	30041	0.1250	0.1193	
131 Carbazole	167	8.697	8.697	0.000	93	24672	0.1250	0.1062	
132 Methyl parathion	109	8.841	8.841	0.000	72	5484	0.1250	0.0794	
S 53 Dinitrotoluene	165				0			0.1117	
133 Di-n-butyl phthalate	149	9.055	9.055	0.000	98	29835	0.1250	0.1116	
134 Ethyl Parathion	109	9.221	9.216	0.005	52	2617	0.1250	0.0627	
135 4-Nitroquinoline-1-oxide	190	9.216	9.232	-0.016	1	1478	0.1250	2.39	
136 Octachlorostyrene	308	9.440	9.446	-0.006	74	2608	0.1250	0.1110	
137 Isodrin	193	9.478	9.478	0.000	79	5969	0.1250	0.1970	
138 Fluoranthene	202	9.622	9.622	0.000	93	33614	0.1250	0.1269	
S 63 Diallate	86				0		0.1250	0.0925	
139 Benzidine	184	9.761	9.761	0.000	98	37995	0.3750	0.2425	
* 140 Pyrene-d10 (IS)	212	9.815	9.815	0.000	99	1112421	5.00	5.00	
141 Pyrene	202	9.836	9.831	0.005	71	38317	0.1250	0.1342	
$ 142 p-Terphenyl-d14	244	10.002	10.002	0.000	96	46833	0.2500	0.2548	
143 p-Dimethylamino azobenzene	225	10.136	10.141	-0.005	69	2526	0.1250	0.0575	
144 Chlorobenzilate	139	10.195	10.189	0.006	72	10497	0.1250	0.1305	
145 3,3'-Dimethylbenzidine	212	10.473	10.473	0.000	94	12260	0.1250	0.0850	
146 Butyl benzyl phthalate	149	10.499	10.499	0.000	81	7246	0.1250	0.0608	
147 2-Acetylaminofluorene	181	10.724	10.729	-0.005	28	6311	0.1250	0.9134	
148 3,3'-Dichlorobenzidine	252	11.034	11.045	-0.011	55	8318	0.1250	0.0937	
149 Benzo[a]anthracene	228	11.056	11.056	0.000	95	22553	0.1250	0.1002	
150 4,4'-Methylene bis(2-chloroanil	231	11.045	11.056	-0.011	64	3890	0.1250	0.0767	
151 Chrysene	228	11.093	11.093	0.000	94	27759	0.1250	0.1184	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.152	0.000	78	9856	0.1250	0.0630	

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	11.628	11.628	0.000	95	18014	0.1250	0.1185	
154 Di-n-octyl phthalate	149	11.960	11.960	0.000	67	14255	0.1250	0.9097	
155 Benzo[b]fluoranthene	252	12.366	12.371	-0.005	95	20752	0.1250	0.0984	
156 7,12-Dimethylbenz(a)anthracene	256	12.371	12.371	0.000	68	7889	0.1250	0.0844	
157 Benzo[k]fluoranthene	252	12.404	12.409	-0.005	96	27433	0.1250	0.1196	
158 Benzo[a]pyrene	252	12.799	12.805	-0.006	78	20623	0.1250	0.1172	M
* 159 Perylene-d12	264	12.880	12.880	0.000	96	867713	5.00	5.00	
160 3-Methylcholanthrene	268	13.291	13.302	-0.011	16	8148	0.1250	0.0841	
161 Dibenz[a,h]acridine	279	14.051	14.062	-0.011	10	13042	0.1250	0.0820	
162 Dibenz[a,j]acridine	279	14.136	14.131	0.005	1	11443	0.1250	0.0649	
163 Indeno[1,2,3-cd]pyrene	276	14.356	14.366	-0.010	70	17674	0.1250	0.1087	M
164 Dibenz(a,h)anthracene	278	14.409	14.415	-0.006	87	18260	0.1250	0.0972	
165 Benzo[g,h,i]perylene	276	14.752	14.757	-0.005	89	21115	0.1250	0.1075	
S 166 Isosafrole	162				0		0.1250	0.1339	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_1_00022 Amount Added: 1.00 Units: mL

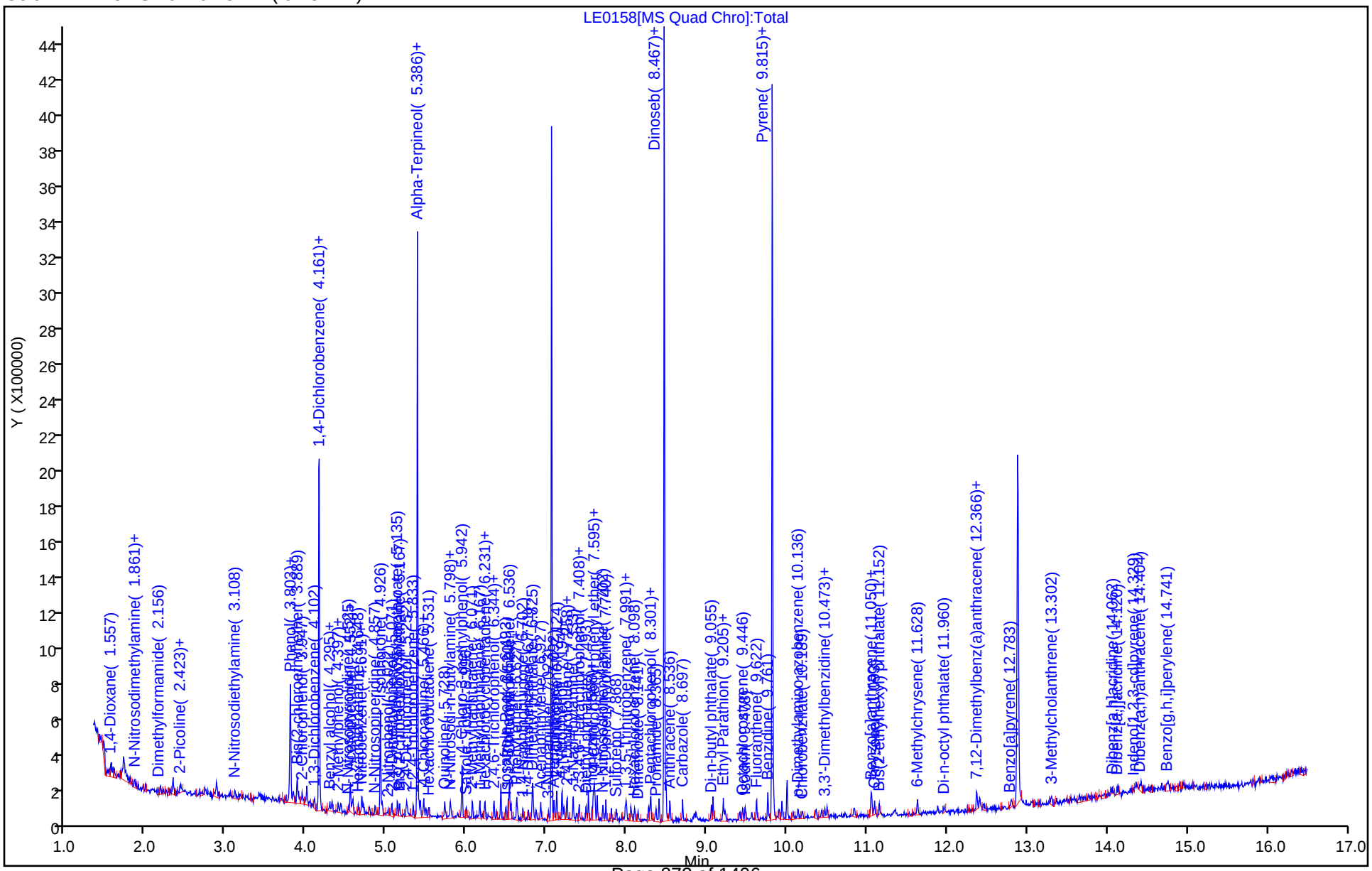
Report Date: 02-May-2022 12:08:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Injection Date:	01-May-2022 20:46:08	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	IC L1			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

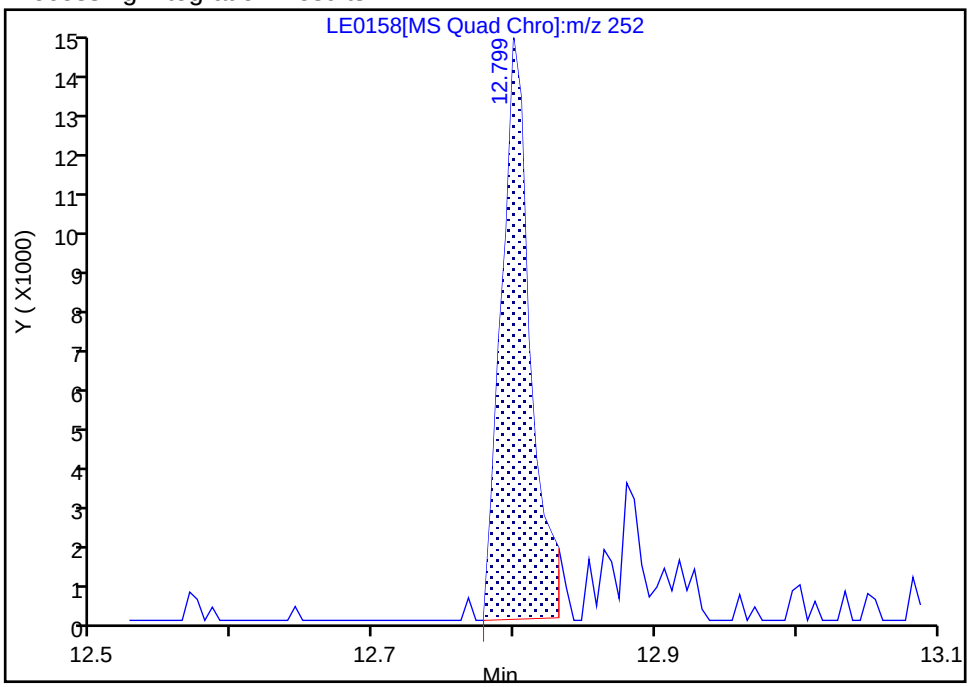
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D				
Injection Date:	01-May-2022 20:46:08	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

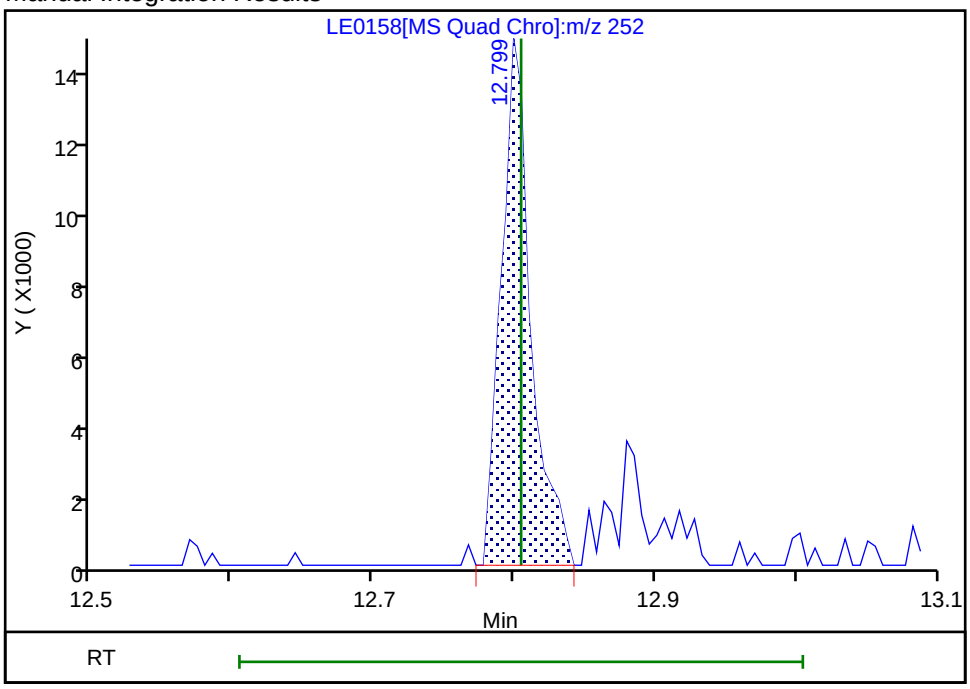
Processing Integration Results

RT: 12.80
Area: 19983
Amount: 0.113985
Amount Units: ug/ml



Manual Integration Results

RT: 12.80
Area: 20623
Amount: 0.117208
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 11:44:31

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

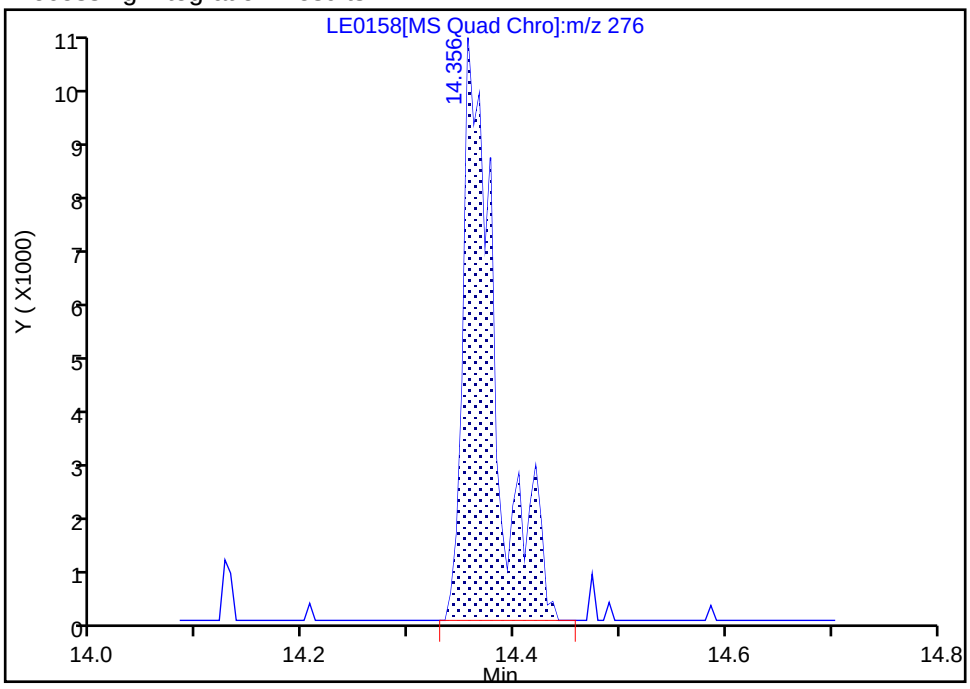
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D				
Injection Date:	01-May-2022 20:46:08	Instrument ID:	HP20296		
Lims ID:	IC L1				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit 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

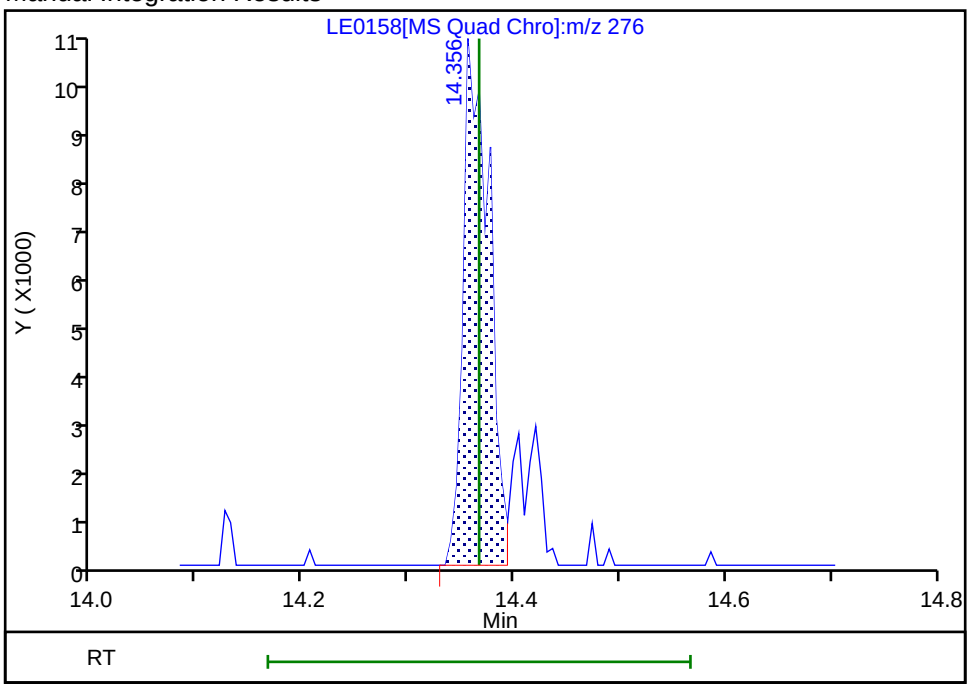
Processing Integration Results

RT: 14.36
Area: 21932
Amount: 0.131477
Amount Units: ug/ml



Manual Integration Results

RT: 14.36
Area: 17674
Amount: 0.108694
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 07:11:37

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

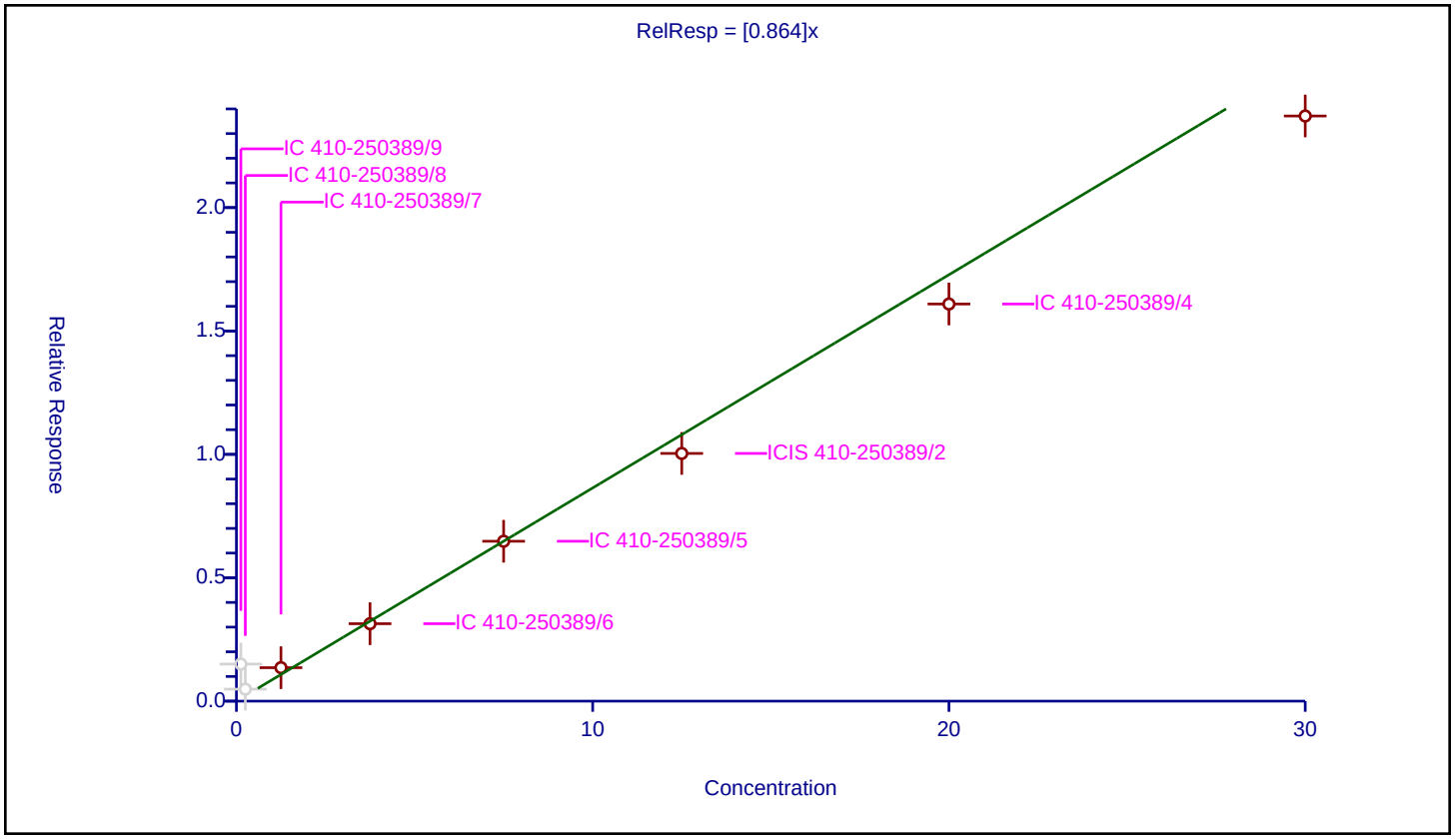
Curve Coefficients

Intercept:	0
Slope:	0.864

Error Coefficients

Standard Error:	678000
Relative Standard Error:	12.9
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	1.50174	5.0	237711.0	12.013916	N
2	IC 410-250389/8	0.25	0.486716	5.0	291669.0	1.946864	N
3	IC 410-250389/7	1.25	1.356217	5.0	233473.0	1.084973	Y
4	IC 410-250389/6	3.75	3.138045	5.0	206165.0	0.836812	Y
5	IC 410-250389/5	7.5	6.479328	5.0	187308.0	0.86391	Y
6	ICIS 410-250389/2	12.5	10.037936	5.0	183864.0	0.803035	Y
7	IC 410-250389/4	20.0	16.092486	5.0	254017.0	0.804624	Y
8	IC 410-250389/3	30.0	23.711546	5.0	250789.0	0.790385	Y



Calibration / N-Nitrosodimethylamine

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

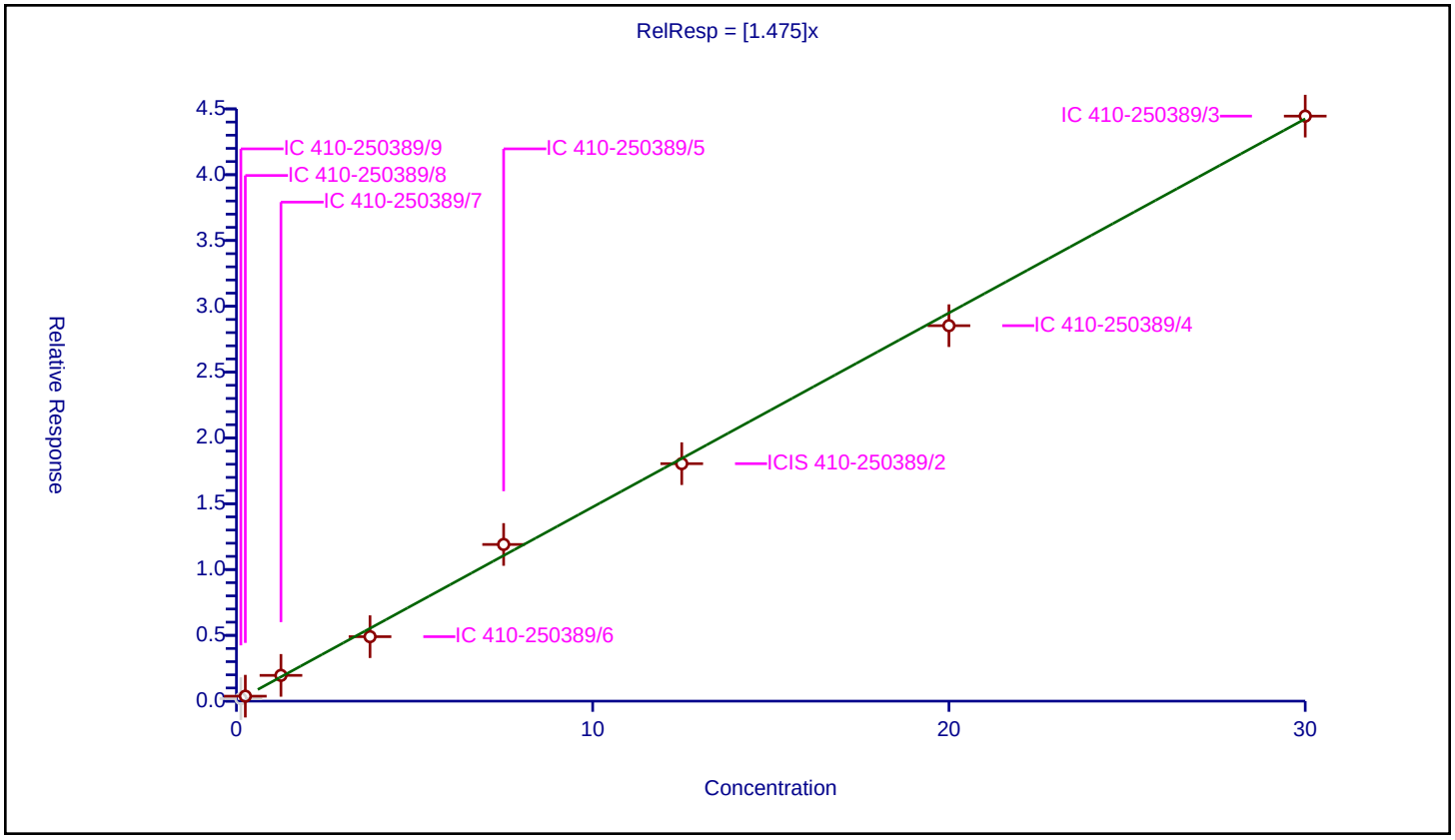
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	6.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.191093	5.0	237711.0	1.528747	N
2	IC 410-250389/8	0.25	0.378048	5.0	291669.0	1.512194	Y
3	IC 410-250389/7	1.25	1.957571	5.0	233473.0	1.566057	Y
4	IC 410-250389/6	3.75	4.899255	5.0	206165.0	1.306468	Y
5	IC 410-250389/5	7.5	11.905097	5.0	187308.0	1.587346	Y
6	ICIS 410-250389/2	12.5	18.044479	5.0	183864.0	1.443558	Y
7	IC 410-250389/4	20.0	28.528406	5.0	254017.0	1.42642	Y
8	IC 410-250389/3	30.0	44.451052	5.0	250789.0	1.481702	Y



Calibration / Pyridine

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

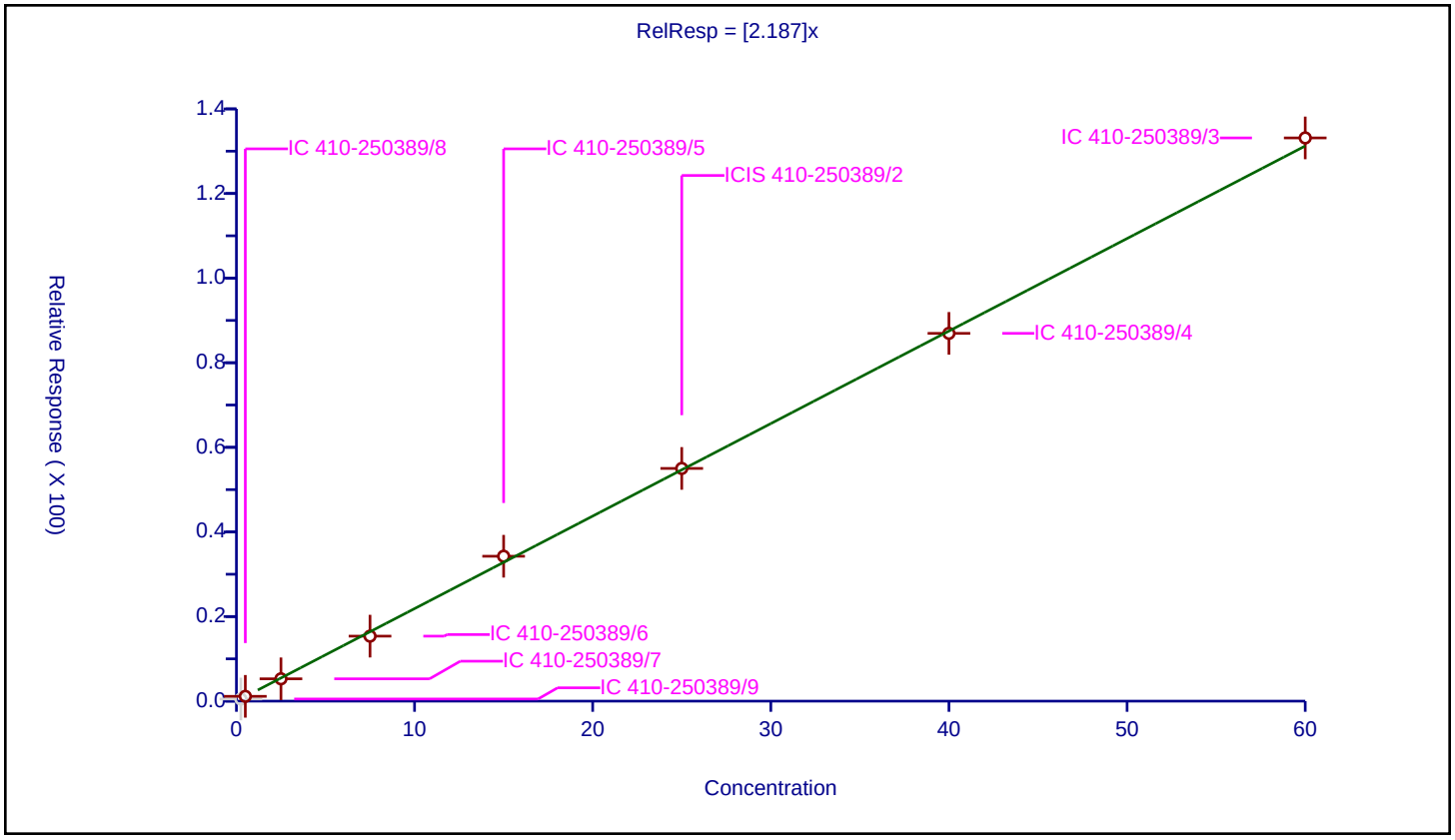
Curve Coefficients

Intercept:	0
Slope:	2.187

Error Coefficients

Standard Error:	3420000
Relative Standard Error:	3.9
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.504078	5.0	237711.0	2.016314	N
2	IC 410-250389/8	0.5	1.136785	5.0	291669.0	2.27357	Y
3	IC 410-250389/7	2.5	5.277955	5.0	233473.0	2.111182	Y
4	IC 410-250389/6	7.5	15.365338	5.0	206165.0	2.048712	Y
5	IC 410-250389/5	15.0	34.251874	5.0	187308.0	2.283458	Y
6	ICIS 410-250389/2	25.0	55.009899	5.0	183864.0	2.200396	Y
7	IC 410-250389/4	40.0	86.939614	5.0	254017.0	2.17349	Y
8	IC 410-250389/3	60.0	133.138914	5.0	250789.0	2.218982	Y



Calibration / Dimethylformamide

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

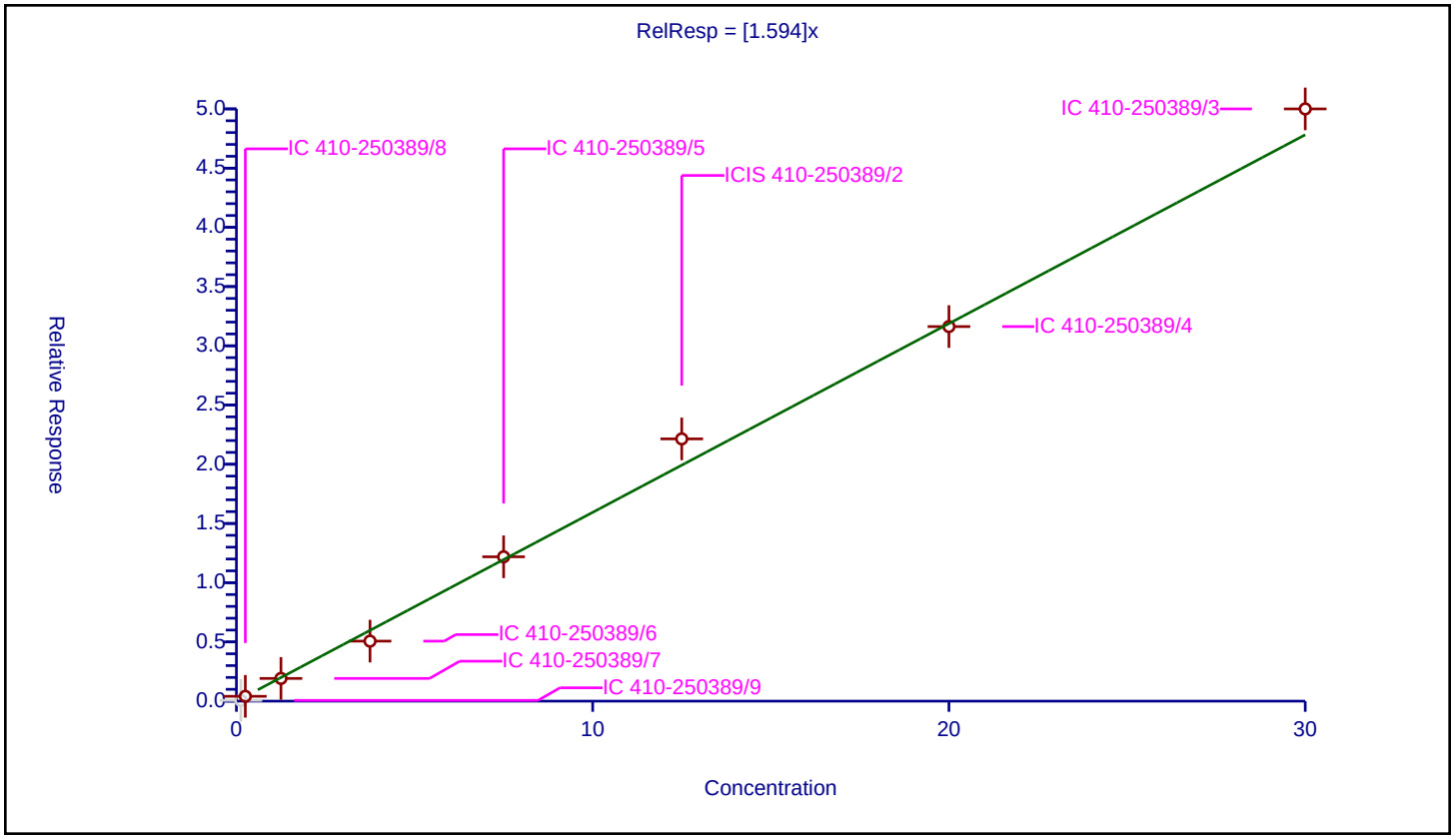
Curve Coefficients

Intercept:	0
Slope:	1.594

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	8.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.065184	5.0	237711.0	0.521474	N
2	IC 410-250389/8	0.25	0.407122	5.0	291669.0	1.62849	Y
3	IC 410-250389/7	1.25	1.915832	5.0	233473.0	1.532665	Y
4	IC 410-250389/6	3.75	5.068174	5.0	206165.0	1.351513	Y
5	IC 410-250389/5	7.5	12.185465	5.0	187308.0	1.624729	Y
6	ICIS 410-250389/2	12.5	22.141338	5.0	183864.0	1.771307	Y
7	IC 410-250389/4	20.0	31.623651	5.0	254017.0	1.581183	Y
8	IC 410-250389/3	30.0	49.99693	5.0	250789.0	1.666564	Y



Calibration / 2-Picoline

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

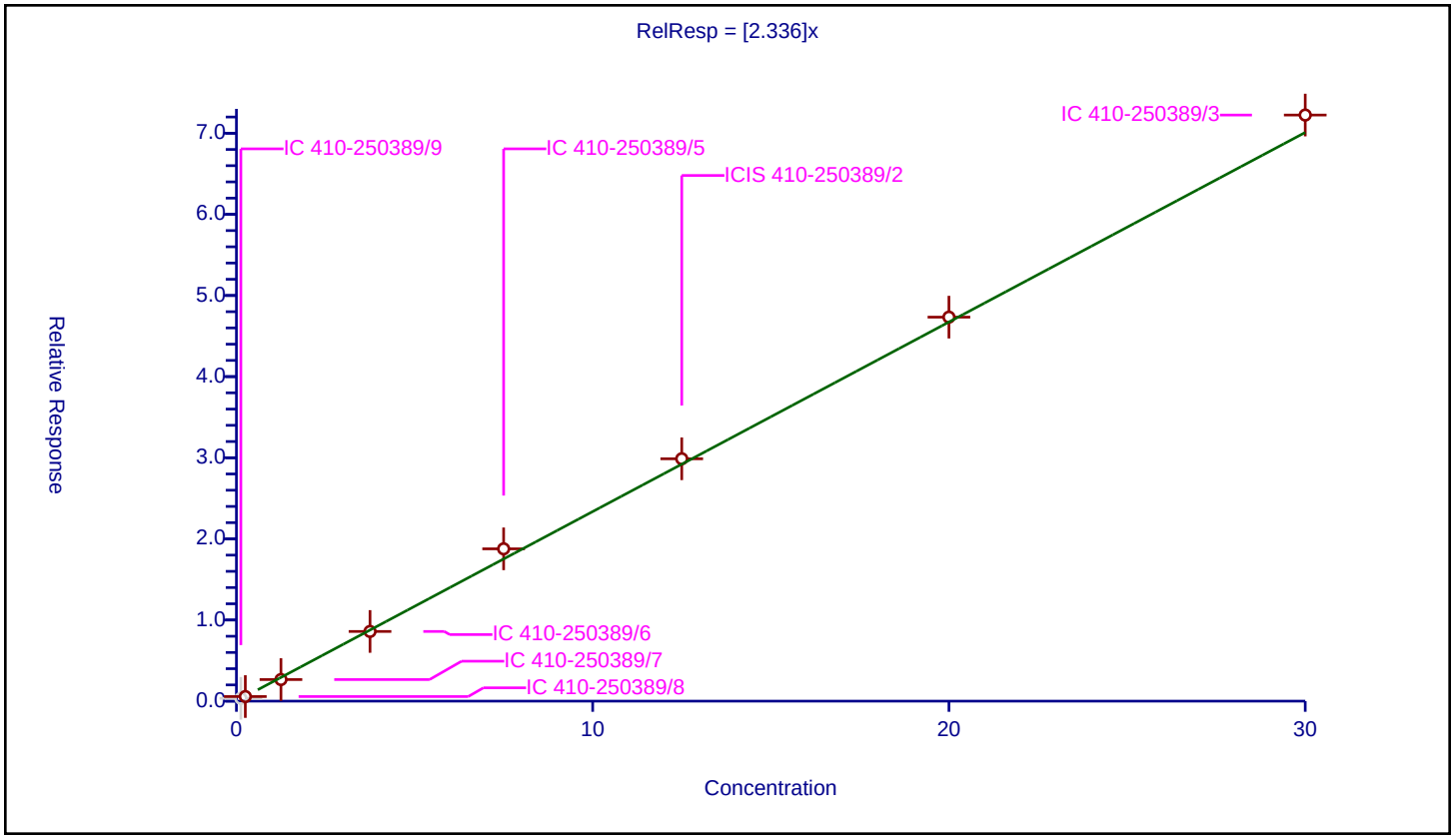
Curve Coefficients

Intercept:	0
Slope:	2.336

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	5.1
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.345567	5.0	237711.0	2.764533	N
2	IC 410-250389/8	0.25	0.567184	5.0	291669.0	2.268736	Y
3	IC 410-250389/7	1.25	2.660372	5.0	233473.0	2.128297	Y
4	IC 410-250389/6	3.75	8.591274	5.0	206165.0	2.291006	Y
5	IC 410-250389/5	7.5	18.772049	5.0	187308.0	2.50294	Y
6	ICIS 410-250389/2	12.5	29.873847	5.0	183864.0	2.389908	Y
7	IC 410-250389/4	20.0	47.329647	5.0	254017.0	2.366482	Y
8	IC 410-250389/3	30.0	72.242164	5.0	250789.0	2.408072	Y



Calibration / N-Nitrosomethylethylamine

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

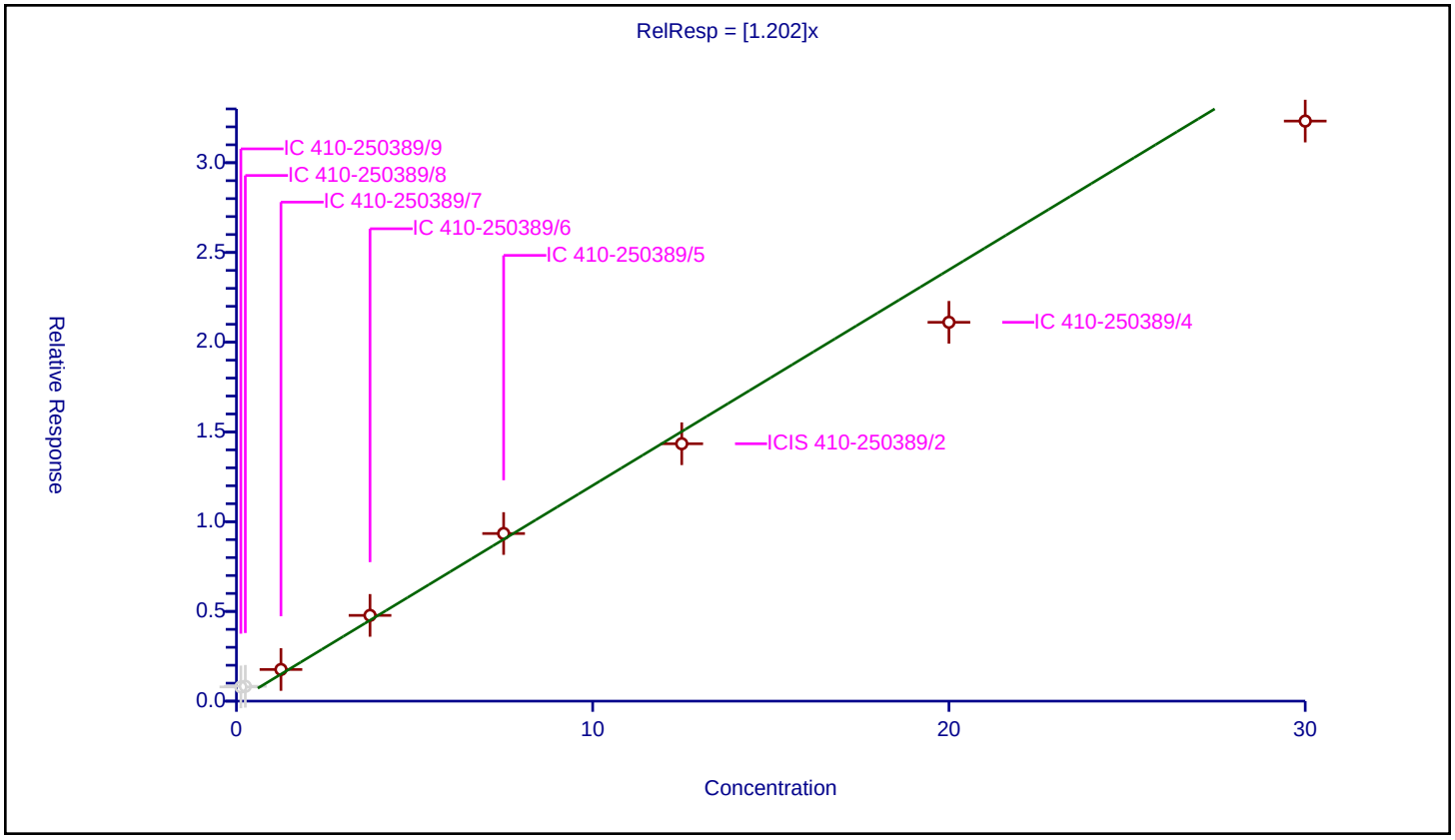
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Standard Error:	919000
Relative Standard Error:	11.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.792412	5.0	237711.0	6.339294	N
2	IC 410-250389/8	0.25	0.827376	5.0	291669.0	3.309505	N
3	IC 410-250389/7	1.25	1.763566	5.0	233473.0	1.410853	Y
4	IC 410-250389/6	3.75	4.777436	5.0	206165.0	1.273983	Y
5	IC 410-250389/5	7.5	9.340044	5.0	187308.0	1.245339	Y
6	ICIS 410-250389/2	12.5	14.342177	5.0	183864.0	1.147374	Y
7	IC 410-250389/4	20.0	21.110103	5.0	254017.0	1.055505	Y
8	IC 410-250389/3	30.0	32.32241	5.0	250789.0	1.077414	Y



Calibration / Methyl methanesulfonate

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

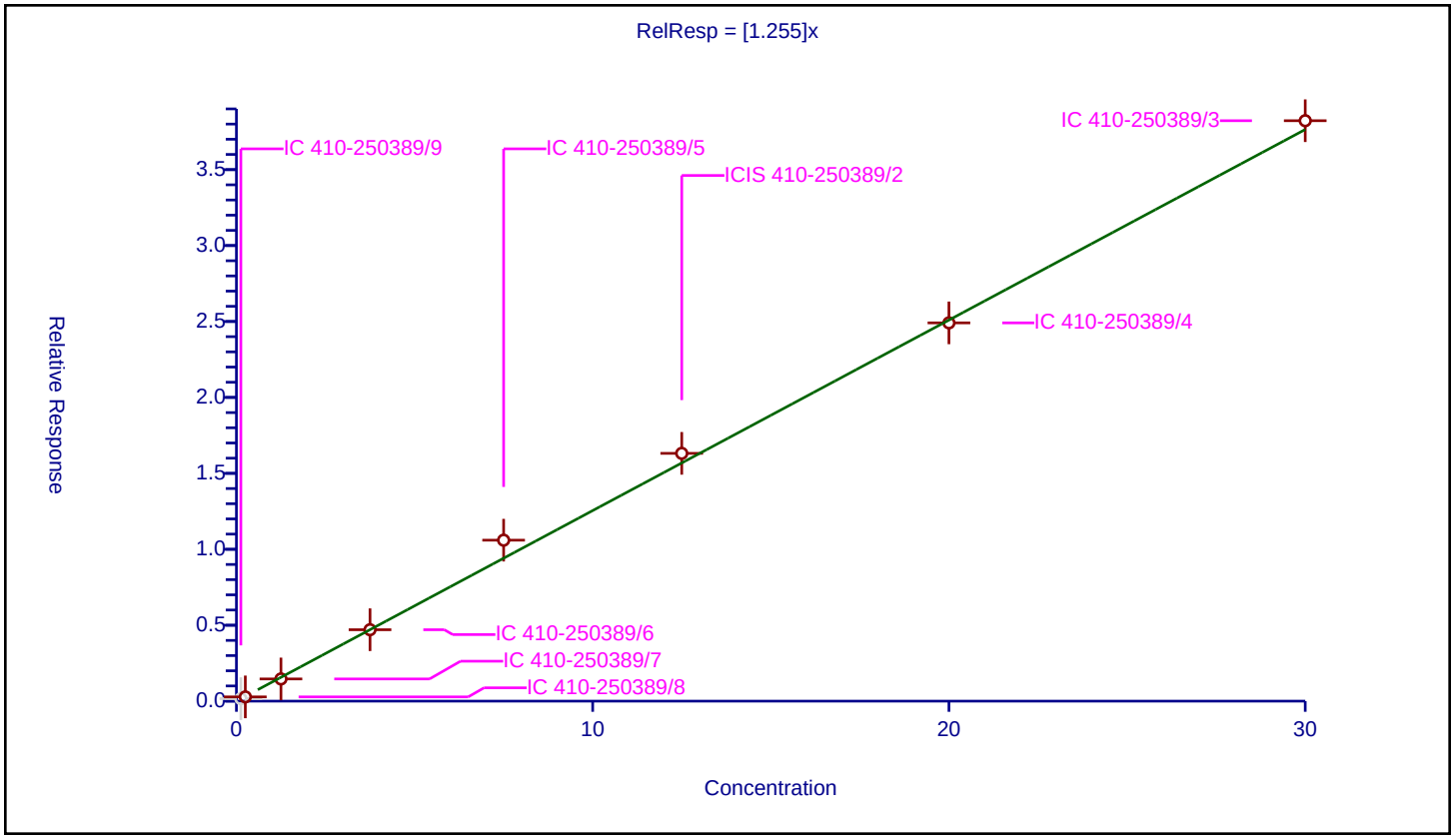
Curve Coefficients

Intercept:	0
Slope:	1.255

Error Coefficients

Standard Error:	986000
Relative Standard Error:	7.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.163223	5.0	237711.0	1.305787	N
2	IC 410-250389/8	0.25	0.280369	5.0	291669.0	1.121477	Y
3	IC 410-250389/7	1.25	1.461775	5.0	233473.0	1.16942	Y
4	IC 410-250389/6	3.75	4.702665	5.0	206165.0	1.254044	Y
5	IC 410-250389/5	7.5	10.600001	5.0	187308.0	1.413333	Y
6	ICIS 410-250389/2	12.5	16.316326	5.0	183864.0	1.305306	Y
7	IC 410-250389/4	20.0	24.909238	5.0	254017.0	1.245462	Y
8	IC 410-250389/3	30.0	38.221294	5.0	250789.0	1.274043	Y



Calibration / 2-Fluorophenol

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

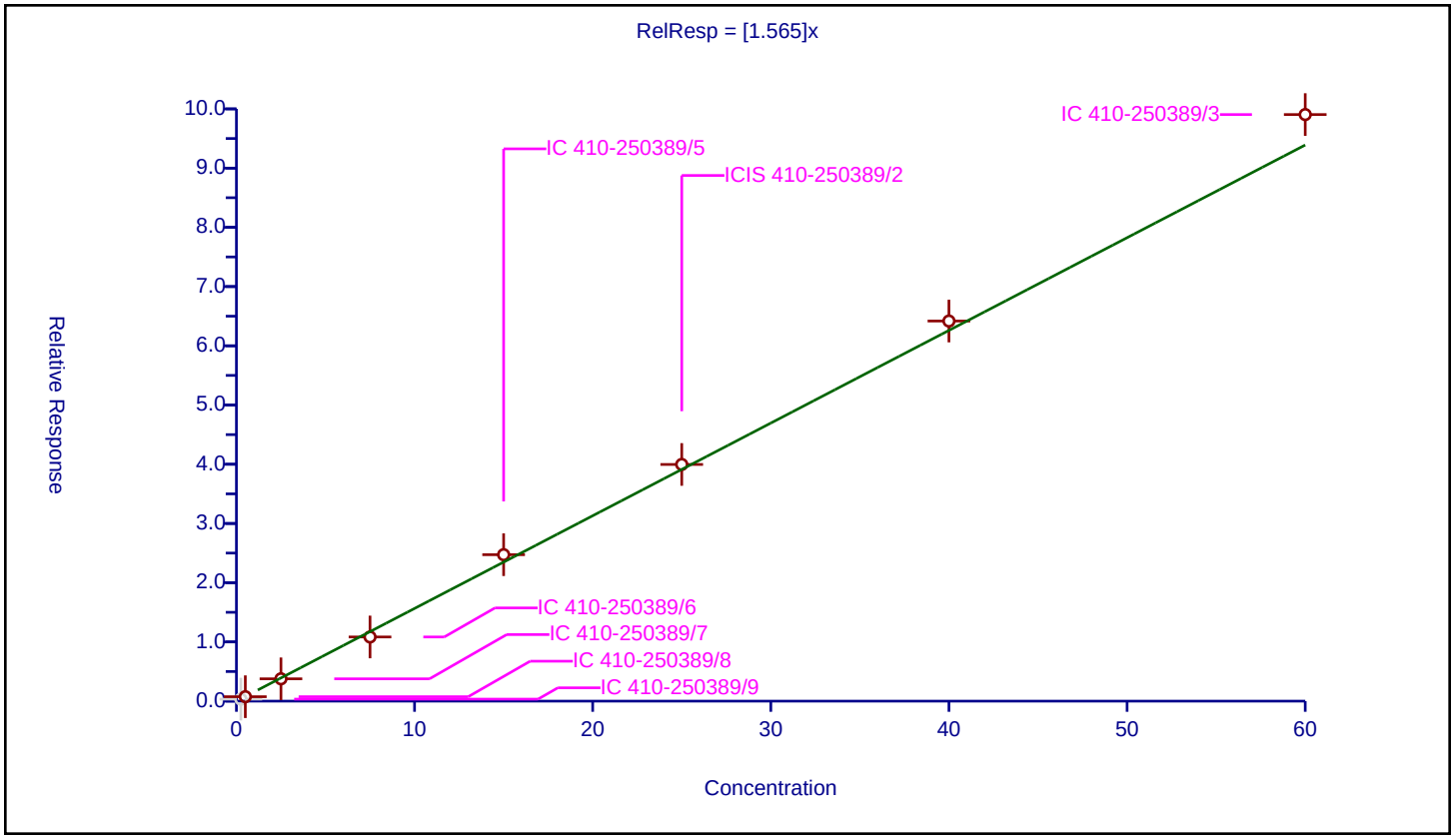
Curve Coefficients

Intercept:	0
Slope:	1.565

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	5.1
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.337574	5.0	237711.0	1.350295	N
2	IC 410-250389/8	0.5	0.749668	5.0	291669.0	1.499337	Y
3	IC 410-250389/7	2.5	3.771614	5.0	233473.0	1.508646	Y
4	IC 410-250389/6	7.5	10.835981	5.0	206165.0	1.444797	Y
5	IC 410-250389/5	15.0	24.728469	5.0	187308.0	1.648565	Y
6	ICIS 410-250389/2	25.0	39.963778	5.0	183864.0	1.598551	Y
7	IC 410-250389/4	40.0	64.181177	5.0	254017.0	1.604529	Y
8	IC 410-250389/3	60.0	99.03993	5.0	250789.0	1.650665	Y



Calibration / N-Nitrosodiethylamine

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

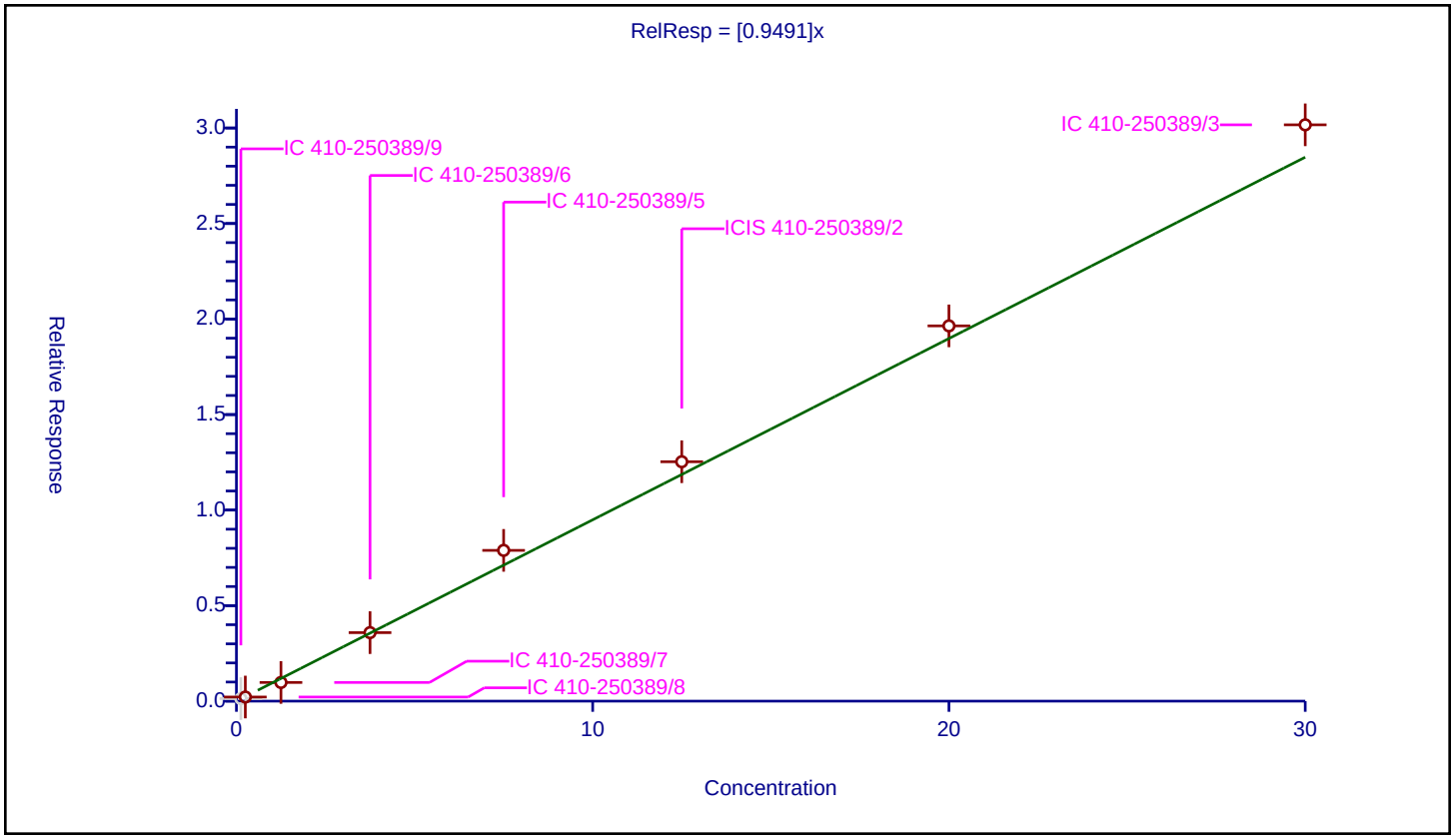
Curve Coefficients

Intercept:	0
Slope:	0.9491

Error Coefficients

Standard Error:	776000
Relative Standard Error:	9.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.133271	5.0	237711.0	1.066169	N
2	IC 410-250389/8	0.25	0.215535	5.0	291669.0	0.862142	Y
3	IC 410-250389/7	1.25	0.978272	5.0	233473.0	0.782617	Y
4	IC 410-250389/6	3.75	3.586326	5.0	206165.0	0.956354	Y
5	IC 410-250389/5	7.5	7.891281	5.0	187308.0	1.052171	Y
6	ICIS 410-250389/2	12.5	12.531219	5.0	183864.0	1.002497	Y
7	IC 410-250389/4	20.0	19.641658	5.0	254017.0	0.982083	Y
8	IC 410-250389/3	30.0	30.166076	5.0	250789.0	1.005536	Y



Calibration / Ethyl methanesulfonate

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

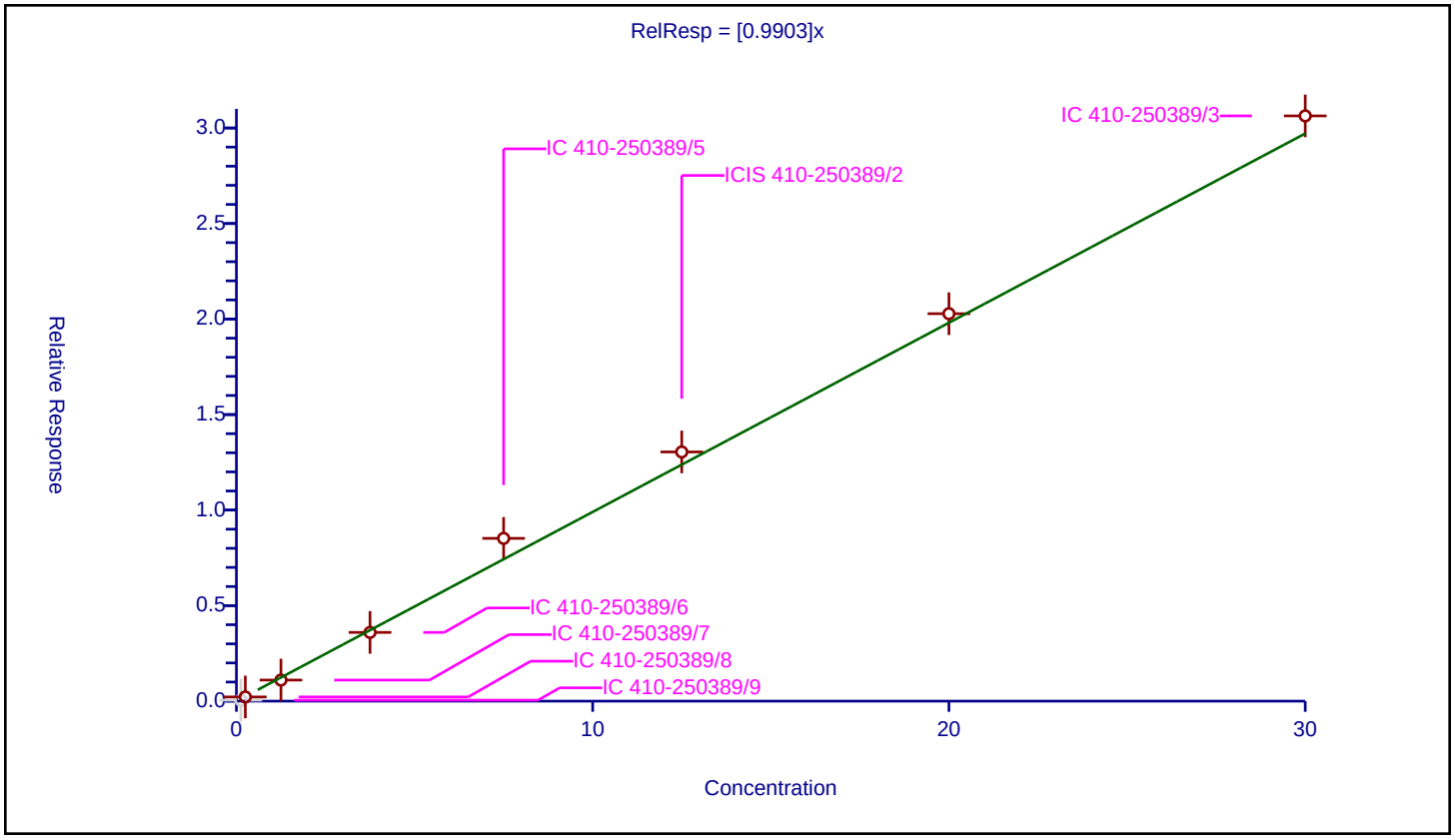
Curve Coefficients

Intercept:	0
Slope:	0.9903

Error Coefficients

Standard Error:	794000
Relative Standard Error:	9.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.050545	5.0	237711.0	0.404357	N
2	IC 410-250389/8	0.25	0.219033	5.0	291669.0	0.87613	Y
3	IC 410-250389/7	1.25	1.102933	5.0	233473.0	0.882346	Y
4	IC 410-250389/6	3.75	3.59707	5.0	206165.0	0.959219	Y
5	IC 410-250389/5	7.5	8.519551	5.0	187308.0	1.13594	Y
6	ICIS 410-250389/2	12.5	13.043418	5.0	183864.0	1.043473	Y
7	IC 410-250389/4	20.0	20.28069	5.0	254017.0	1.014034	Y
8	IC 410-250389/3	30.0	30.632823	5.0	250789.0	1.021094	Y



Calibration / Benzaldehyde

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

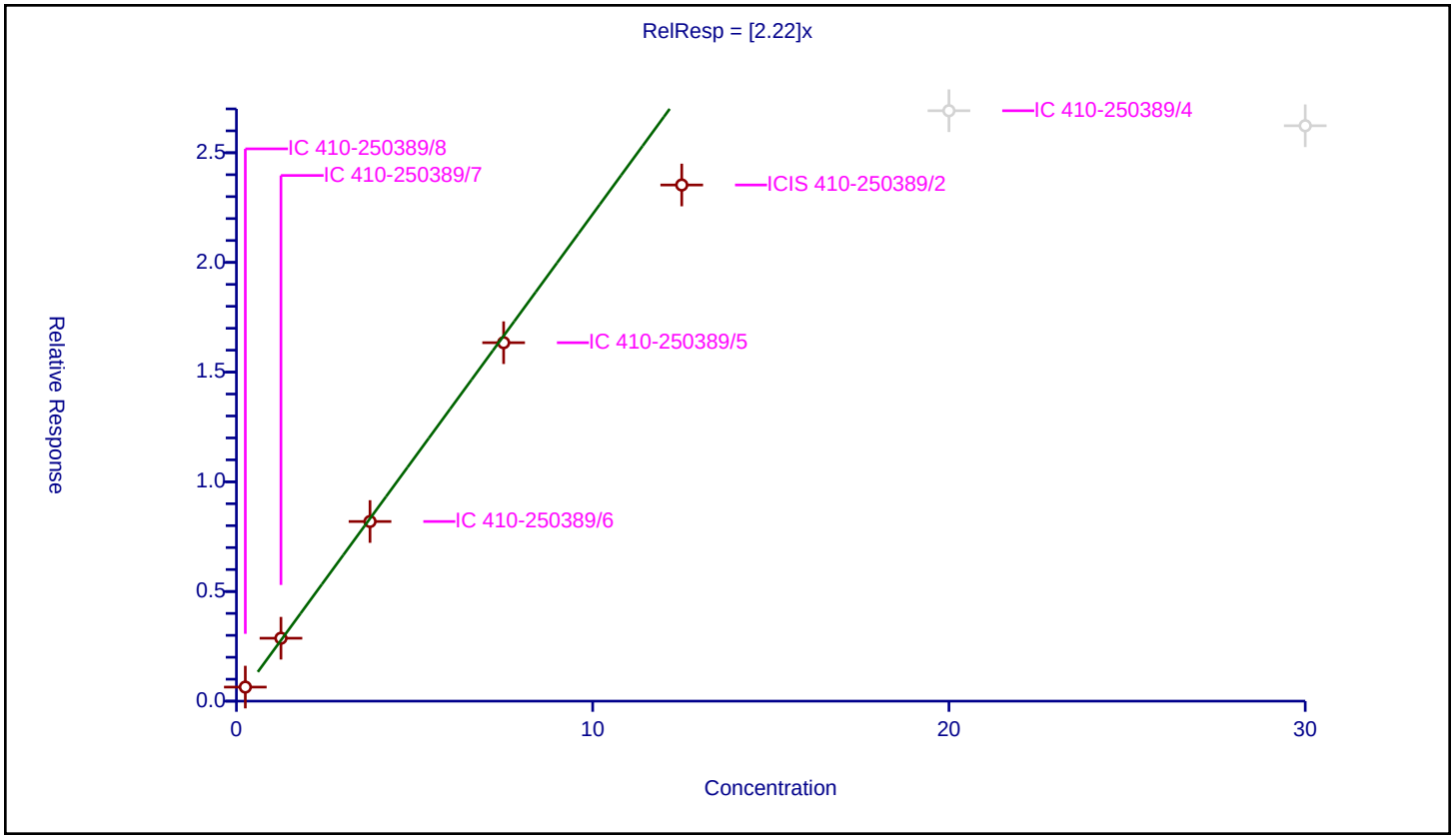
Curve Coefficients

Intercept:	0
Slope:	2.22

Error Coefficients

Standard Error:	561000
Relative Standard Error:	11.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/8	0.25	0.640023	5.0	291669.0	2.560094	Y
2	IC 410-250389/7	1.25	2.868983	5.0	233473.0	2.295186	Y
3	IC 410-250389/6	3.75	8.189339	5.0	206165.0	2.183824	Y
4	IC 410-250389/5	7.5	16.341187	5.0	187308.0	2.178825	Y
5	ICIS 410-250389/2	12.5	23.531306	5.0	183864.0	1.882504	Y
6	IC 410-250389/4	20.0	26.916663	5.0	254017.0	1.345833	N
7	IC 410-250389/3	30.0	26.231912	5.0	250789.0	0.874397	N



Calibration / Phenol-d5

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

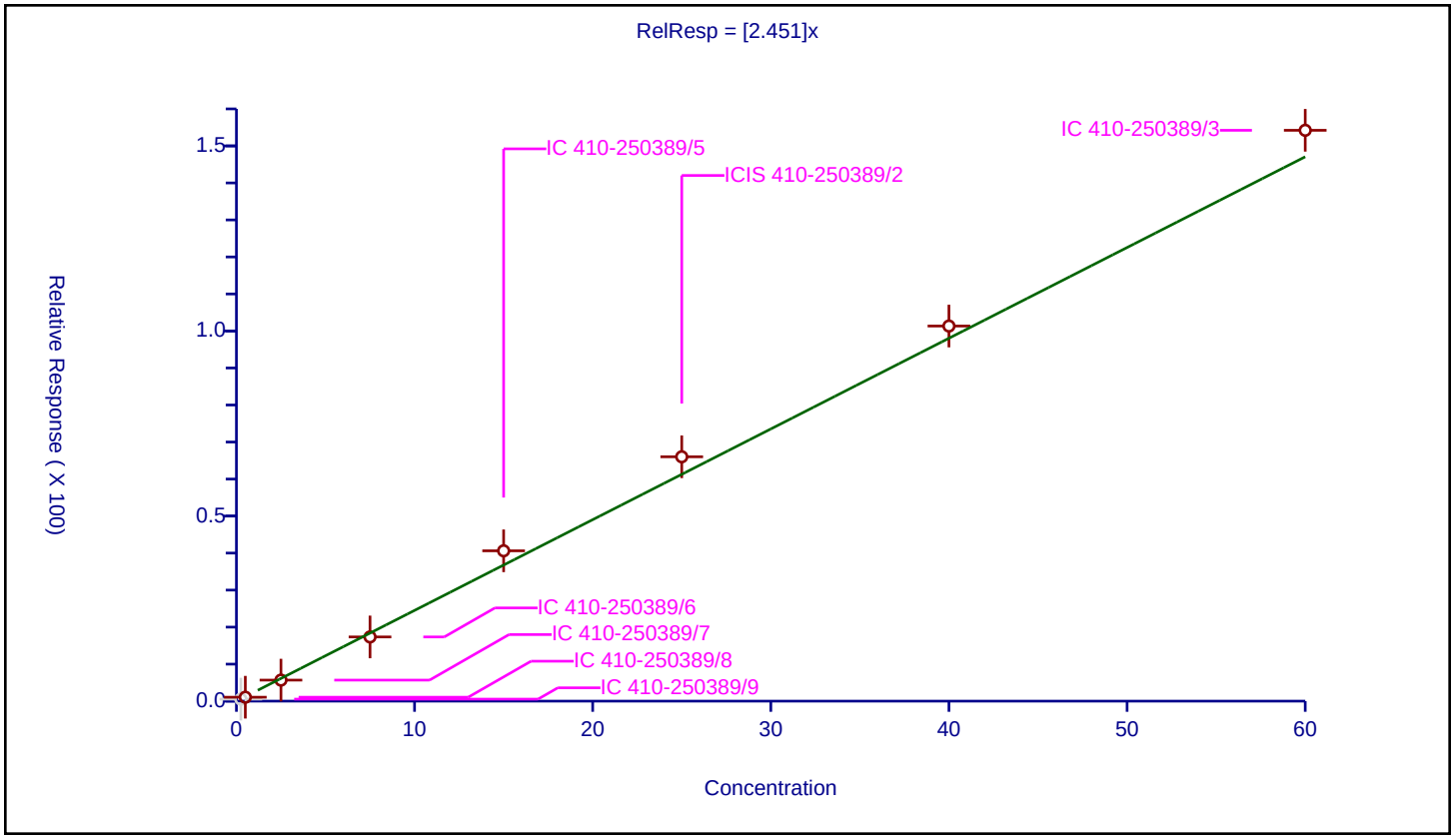
Curve Coefficients

Intercept:	0
Slope:	2.451

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	8.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.542066	5.0	237711.0	2.168263	N
2	IC 410-250389/8	0.5	1.060689	5.0	291669.0	2.121377	Y
3	IC 410-250389/7	2.5	5.678558	5.0	233473.0	2.271423	Y
4	IC 410-250389/6	7.5	17.34322	5.0	206165.0	2.312429	Y
5	IC 410-250389/5	15.0	40.613989	5.0	187308.0	2.707599	Y
6	ICIS 410-250389/2	25.0	66.01401	5.0	183864.0	2.64056	Y
7	IC 410-250389/4	40.0	101.333356	5.0	254017.0	2.533334	Y
8	IC 410-250389/3	60.0	154.211469	5.0	250789.0	2.570191	Y



Calibration / Phenol

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

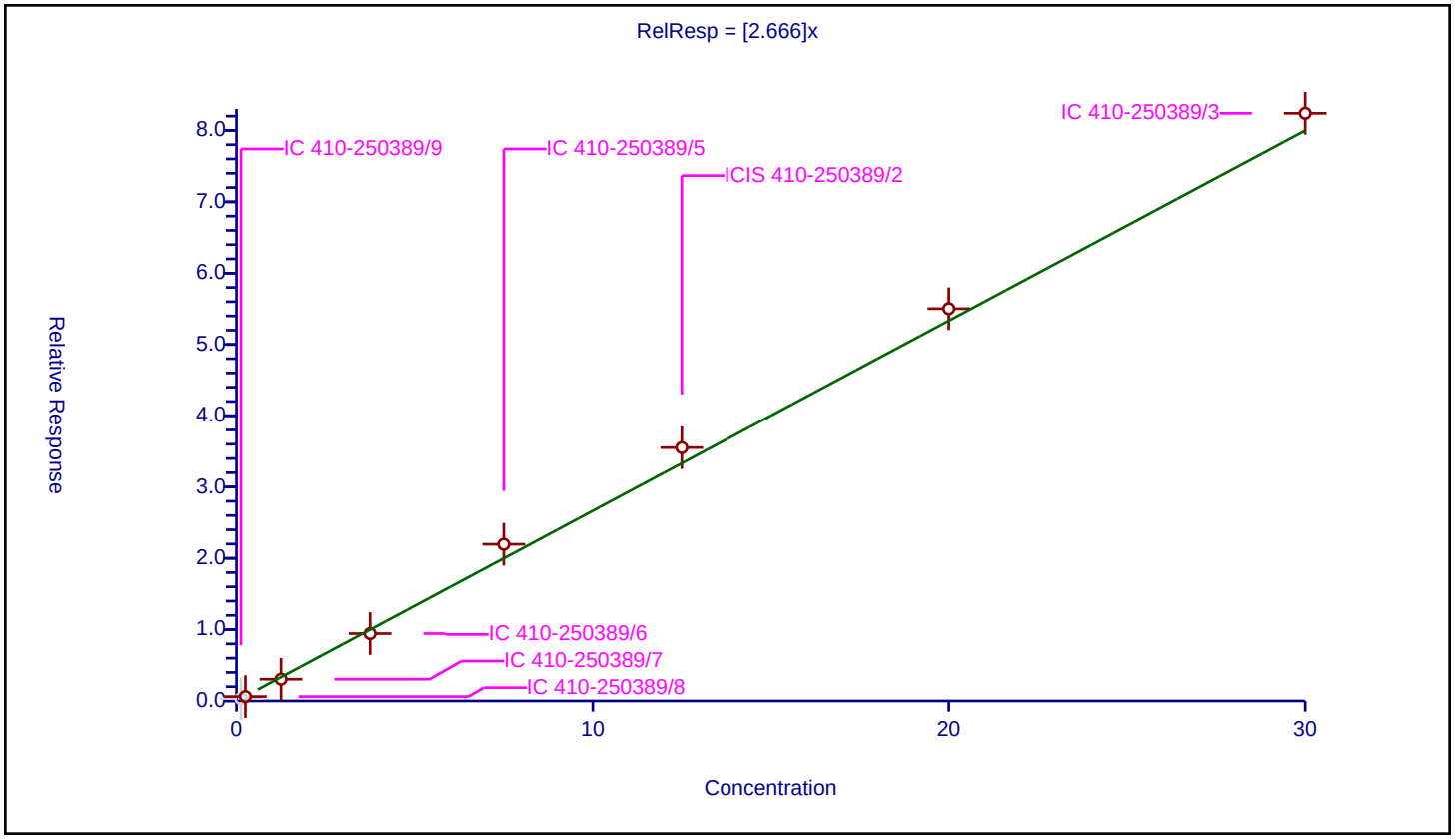
Curve Coefficients

Intercept:	0
Slope:	2.666

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	7.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.336732	5.0	237711.0	2.693859	N
2	IC 410-250389/8	0.25	0.609441	5.0	291669.0	2.437763	Y
3	IC 410-250389/7	1.25	3.04759	5.0	233473.0	2.438072	Y
4	IC 410-250389/6	3.75	9.449737	5.0	206165.0	2.51993	Y
5	IC 410-250389/5	7.5	21.971352	5.0	187308.0	2.929514	Y
6	ICIS 410-250389/2	12.5	35.526286	5.0	183864.0	2.842103	Y
7	IC 410-250389/4	20.0	55.018995	5.0	254017.0	2.75095	Y
8	IC 410-250389/3	30.0	82.396736	5.0	250789.0	2.746558	Y



Calibration / Aniline

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

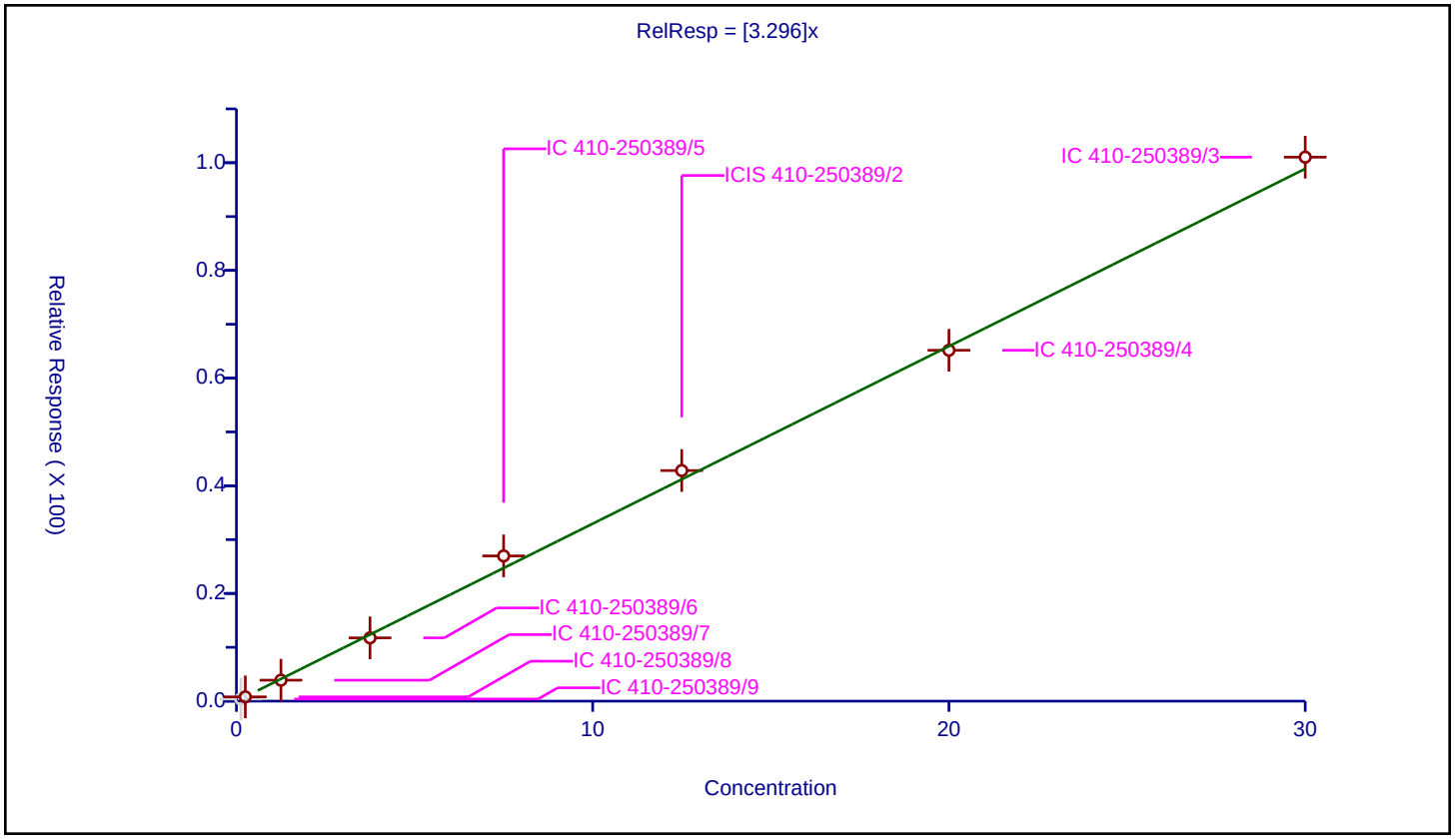
Curve Coefficients

Intercept:	0
Slope:	3.296

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	5.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.391252	5.0	237711.0	3.130019	N
2	IC 410-250389/8	0.25	0.793451	5.0	291669.0	3.173803	Y
3	IC 410-250389/7	1.25	3.893941	5.0	233473.0	3.115153	Y
4	IC 410-250389/6	3.75	11.748769	5.0	206165.0	3.133005	Y
5	IC 410-250389/5	7.5	26.973221	5.0	187308.0	3.596429	Y
6	ICIS 410-250389/2	12.5	42.827389	5.0	183864.0	3.426191	Y
7	IC 410-250389/4	20.0	65.16739	5.0	254017.0	3.25837	Y
8	IC 410-250389/3	30.0	101.031345	5.0	250789.0	3.367712	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

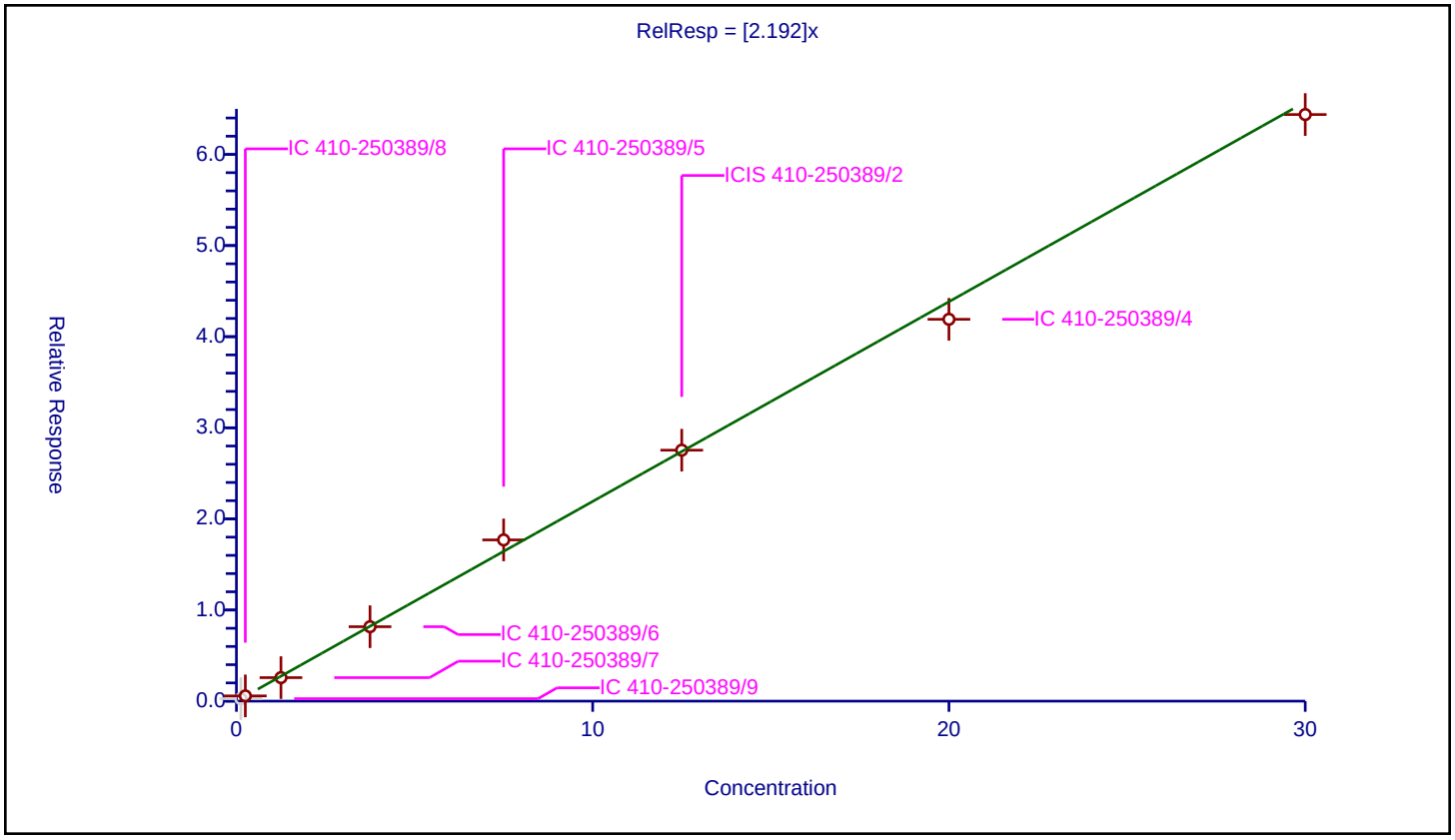
Curve Coefficients

Intercept:	0
Slope:	2.192

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	4.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.269487	5.0	237711.0	2.155895	N
2	IC 410-250389/8	0.25	0.57435	5.0	291669.0	2.297399	Y
3	IC 410-250389/7	1.25	2.578756	5.0	233473.0	2.063005	Y
4	IC 410-250389/6	3.75	8.168676	5.0	206165.0	2.178313	Y
5	IC 410-250389/5	7.5	17.694172	5.0	187308.0	2.359223	Y
6	ICIS 410-250389/2	12.5	27.54419	5.0	183864.0	2.203535	Y
7	IC 410-250389/4	20.0	41.907884	5.0	254017.0	2.095394	Y
8	IC 410-250389/3	30.0	64.379438	5.0	250789.0	2.145981	Y



Calibration / 2-Chlorophenol

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

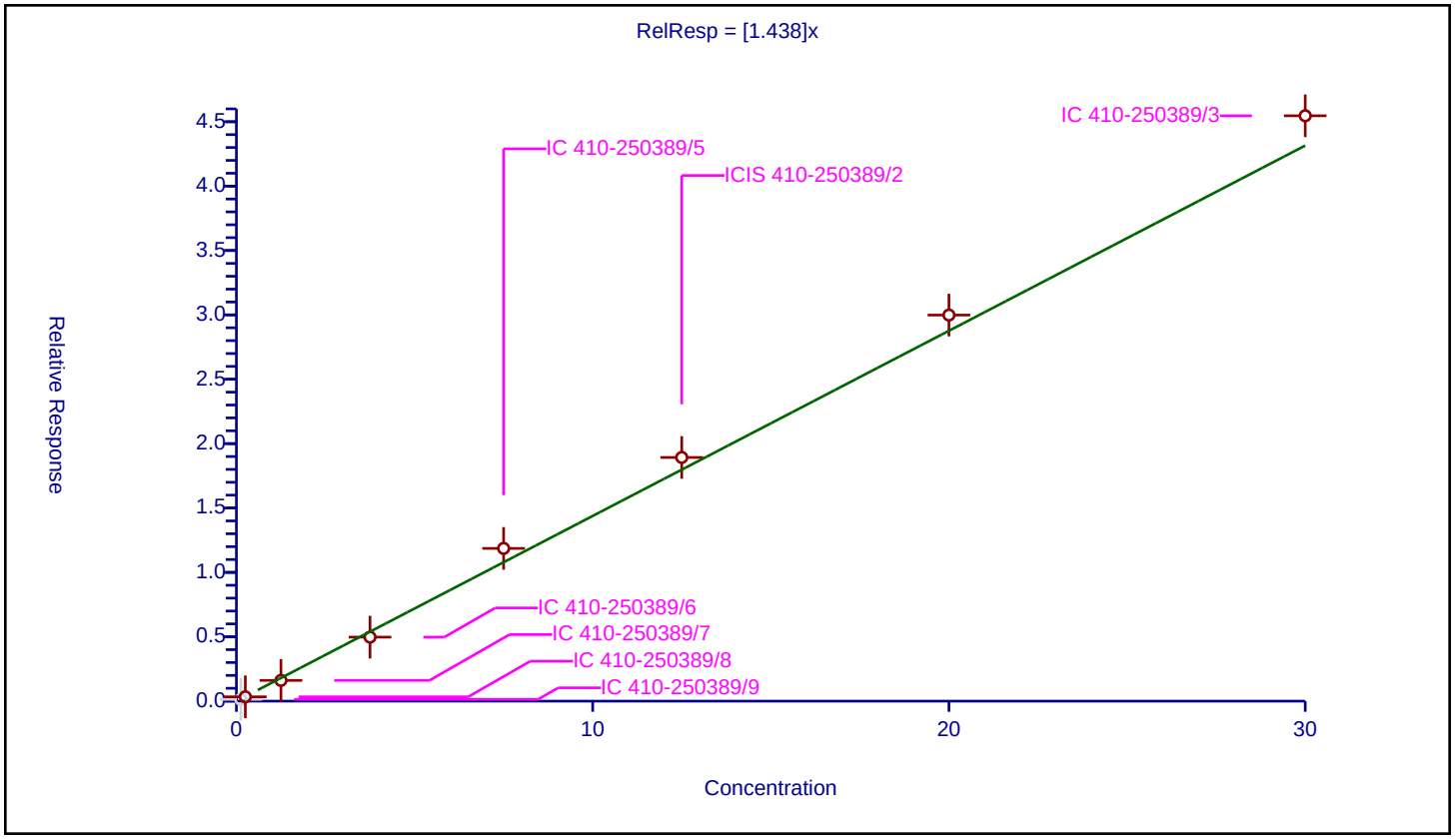
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	8.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.136637	5.0	237711.0	1.093092	N
2	IC 410-250389/8	0.25	0.335963	5.0	291669.0	1.343852	Y
3	IC 410-250389/7	1.25	1.609544	5.0	233473.0	1.287635	Y
4	IC 410-250389/6	3.75	4.972522	5.0	206165.0	1.326006	Y
5	IC 410-250389/5	7.5	11.863028	5.0	187308.0	1.581737	Y
6	ICIS 410-250389/2	12.5	18.92793	5.0	183864.0	1.514234	Y
7	IC 410-250389/4	20.0	29.987284	5.0	254017.0	1.499364	Y
8	IC 410-250389/3	30.0	45.464394	5.0	250789.0	1.51548	Y



Calibration / 1,3-Dichlorobenzene

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

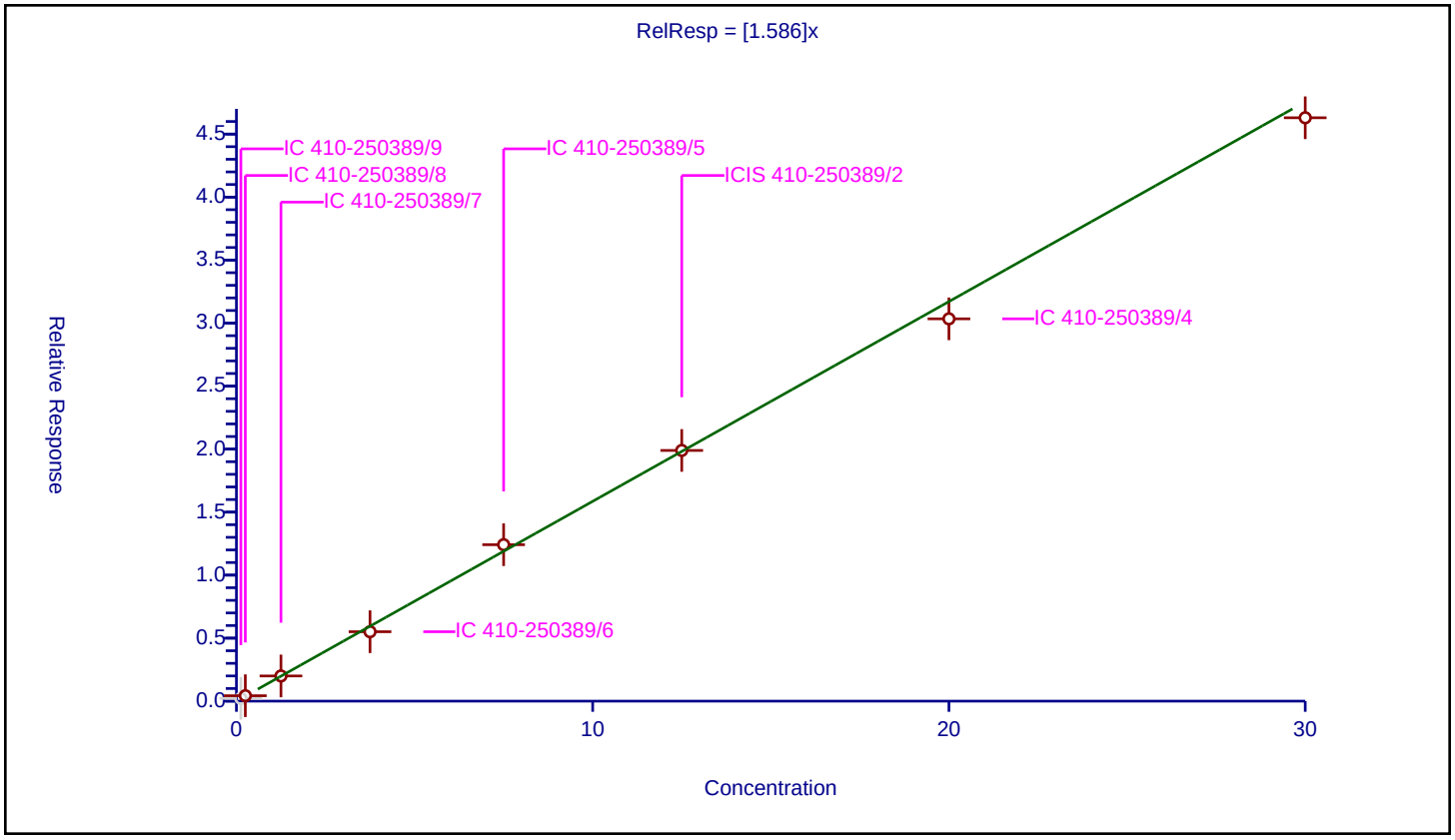
Curve Coefficients

Intercept:	0
Slope:	1.586

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	5.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.220036	5.0	237711.0	1.760289	N
2	IC 410-250389/8	0.25	0.430968	5.0	291669.0	1.723872	Y
3	IC 410-250389/7	1.25	1.998582	5.0	233473.0	1.598866	Y
4	IC 410-250389/6	3.75	5.508646	5.0	206165.0	1.468972	Y
5	IC 410-250389/5	7.5	12.414926	5.0	187308.0	1.655323	Y
6	ICIS 410-250389/2	12.5	19.893971	5.0	183864.0	1.591518	Y
7	IC 410-250389/4	20.0	30.339229	5.0	254017.0	1.516961	Y
8	IC 410-250389/3	30.0	46.295292	5.0	250789.0	1.543176	Y



Calibration / 1,4-Dichlorobenzene

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

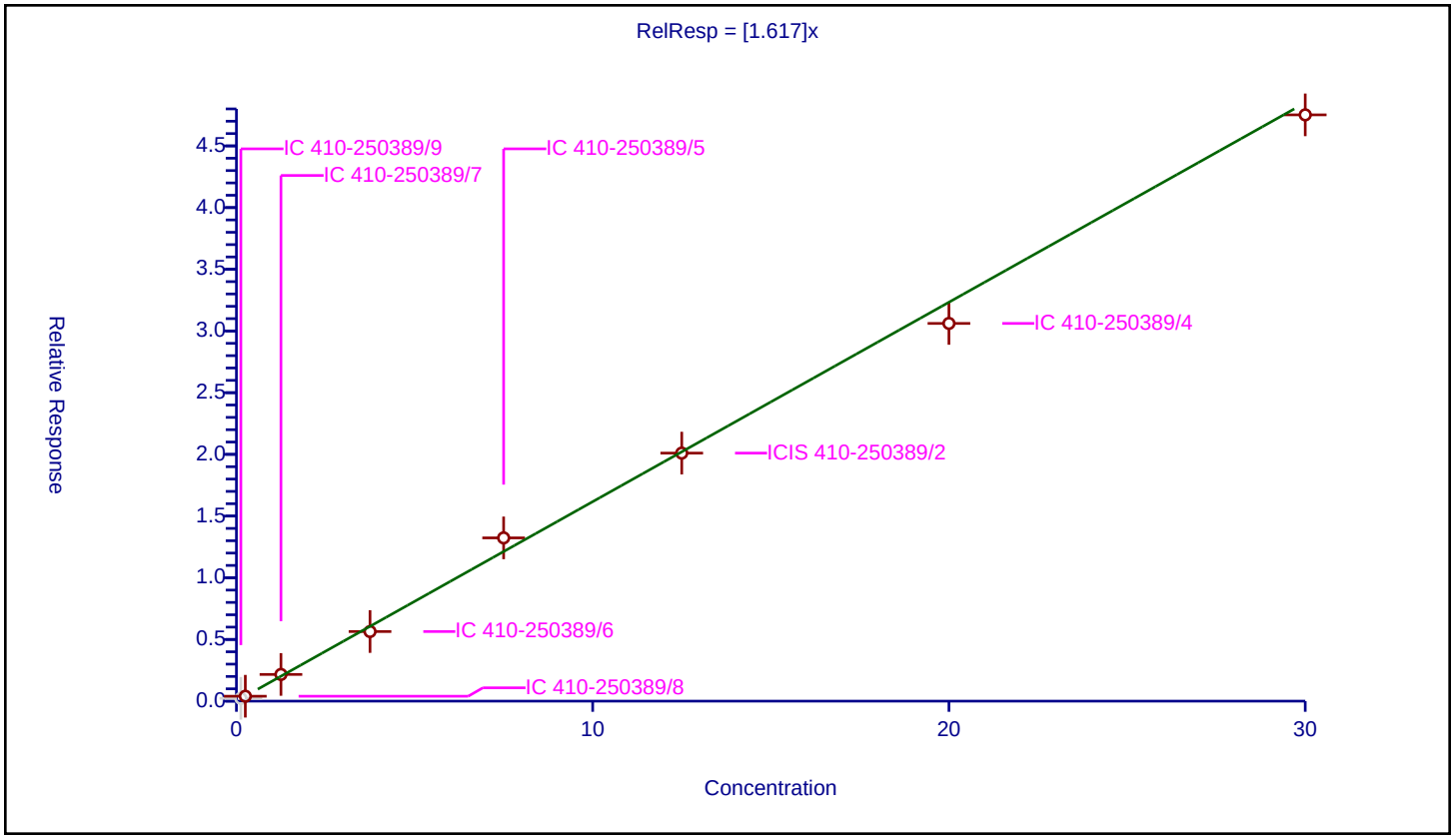
Curve Coefficients

Intercept:	0
Slope:	1.617

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	6.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.227272	5.0	237711.0	1.818174	N
2	IC 410-250389/8	0.25	0.398397	5.0	291669.0	1.593587	Y
3	IC 410-250389/7	1.25	2.163762	5.0	233473.0	1.73101	Y
4	IC 410-250389/6	3.75	5.640822	5.0	206165.0	1.504219	Y
5	IC 410-250389/5	7.5	13.231469	5.0	187308.0	1.764196	Y
6	ICIS 410-250389/2	12.5	20.102413	5.0	183864.0	1.608193	Y
7	IC 410-250389/4	20.0	30.612931	5.0	254017.0	1.530647	Y
8	IC 410-250389/3	30.0	47.517455	5.0	250789.0	1.583915	Y



Calibration / Benzyl alcohol

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

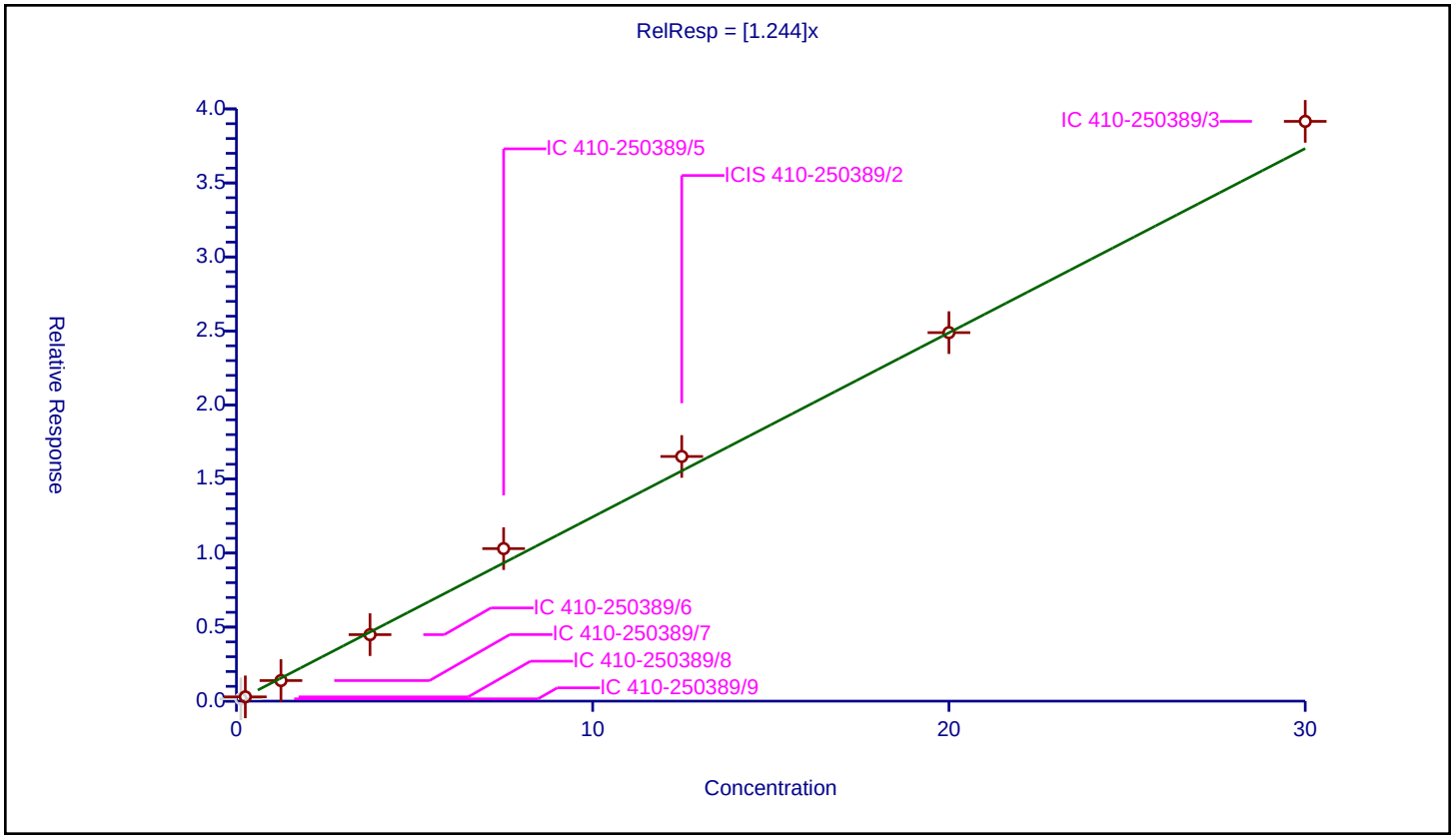
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	7.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.155483	5.0	237711.0	1.243863	N
2	IC 410-250389/8	0.25	0.288632	5.0	291669.0	1.154528	Y
3	IC 410-250389/7	1.25	1.389518	5.0	233473.0	1.111615	Y
4	IC 410-250389/6	3.75	4.49099	5.0	206165.0	1.197597	Y
5	IC 410-250389/5	7.5	10.301482	5.0	187308.0	1.373531	Y
6	ICIS 410-250389/2	12.5	16.525312	5.0	183864.0	1.322025	Y
7	IC 410-250389/4	20.0	24.889397	5.0	254017.0	1.24447	Y
8	IC 410-250389/3	30.0	39.158635	5.0	250789.0	1.305288	Y



Calibration / 1,2-Dichlorobenzene

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

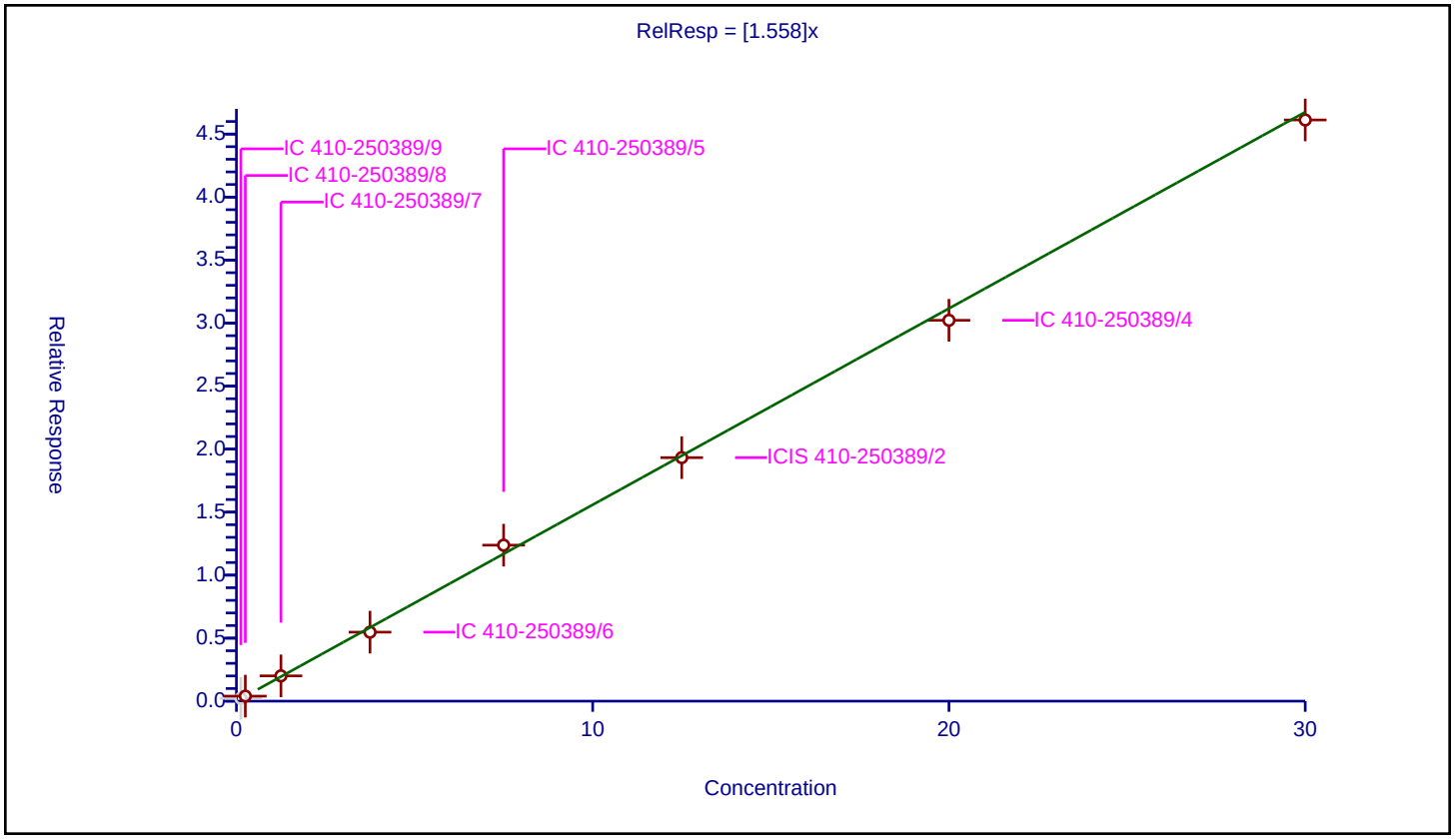
Curve Coefficients

Intercept:	0
Slope:	1.558

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	4.1
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.225358	5.0	237711.0	1.802861	N
2	IC 410-250389/8	0.25	0.399374	5.0	291669.0	1.597496	Y
3	IC 410-250389/7	1.25	2.006142	5.0	233473.0	1.604914	Y
4	IC 410-250389/6	3.75	5.474474	5.0	206165.0	1.45986	Y
5	IC 410-250389/5	7.5	12.378462	5.0	187308.0	1.650462	Y
6	ICIS 410-250389/2	12.5	19.324283	5.0	183864.0	1.545943	Y
7	IC 410-250389/4	20.0	30.223253	5.0	254017.0	1.511163	Y
8	IC 410-250389/3	30.0	46.120803	5.0	250789.0	1.53736	Y



Calibration / 2-Methylphenol

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

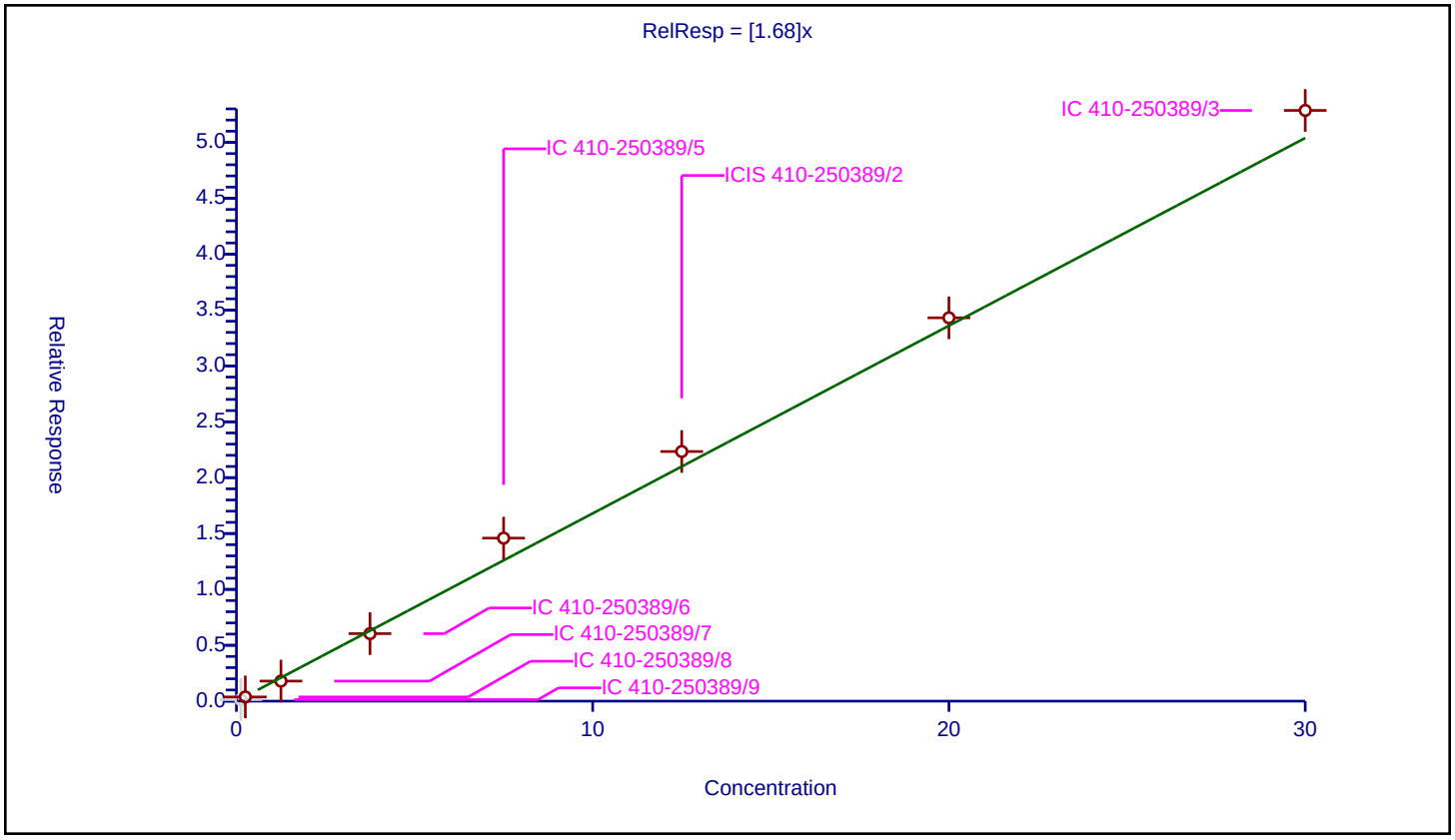
Curve Coefficients

Intercept:	0
Slope:	1.68

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	10.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.136679	5.0	237711.0	1.093429	N
2	IC 410-250389/8	0.25	0.375597	5.0	291669.0	1.502388	Y
3	IC 410-250389/7	1.25	1.795368	5.0	233473.0	1.436295	Y
4	IC 410-250389/6	3.75	6.040647	5.0	206165.0	1.610839	Y
5	IC 410-250389/5	7.5	14.588859	5.0	187308.0	1.945181	Y
6	ICIS 410-250389/2	12.5	22.338196	5.0	183864.0	1.787056	Y
7	IC 410-250389/4	20.0	34.303137	5.0	254017.0	1.715157	Y
8	IC 410-250389/3	30.0	52.861669	5.0	250789.0	1.762056	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

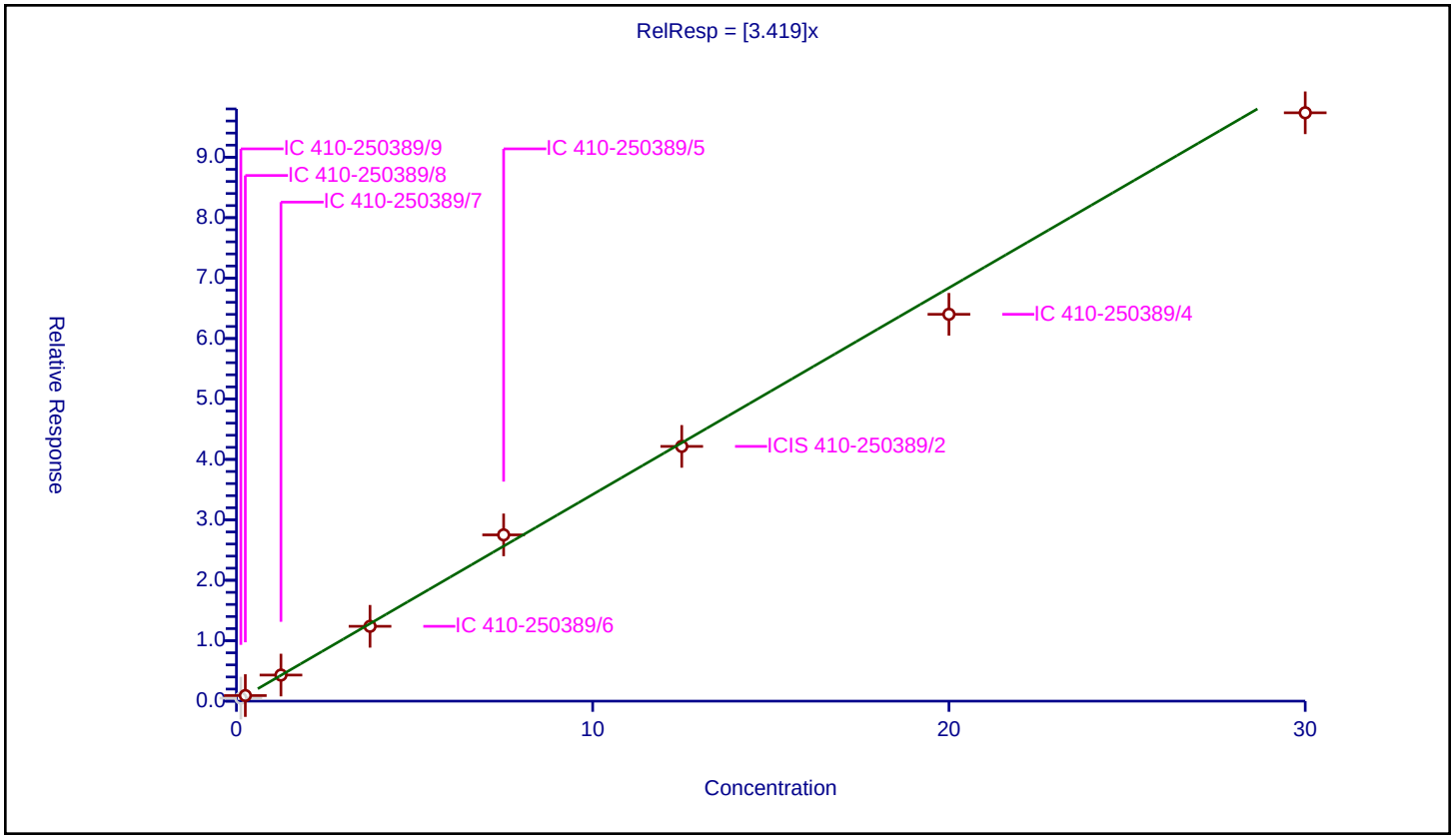
Curve Coefficients

Intercept:	0
Slope:	3.419

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	5.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.50227	5.0	237711.0	4.018157	N
2	IC 410-250389/8	0.25	0.924078	5.0	291669.0	3.696313	Y
3	IC 410-250389/7	1.25	4.314632	5.0	233473.0	3.451705	Y
4	IC 410-250389/6	3.75	12.38183	5.0	206165.0	3.301821	Y
5	IC 410-250389/5	7.5	27.51308	5.0	187308.0	3.668411	Y
6	ICIS 410-250389/2	12.5	42.151617	5.0	183864.0	3.372129	Y
7	IC 410-250389/4	20.0	64.013531	5.0	254017.0	3.200677	Y
8	IC 410-250389/3	30.0	97.358497	5.0	250789.0	3.245283	Y



Calibration / N-Nitrosopyrrolidine

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

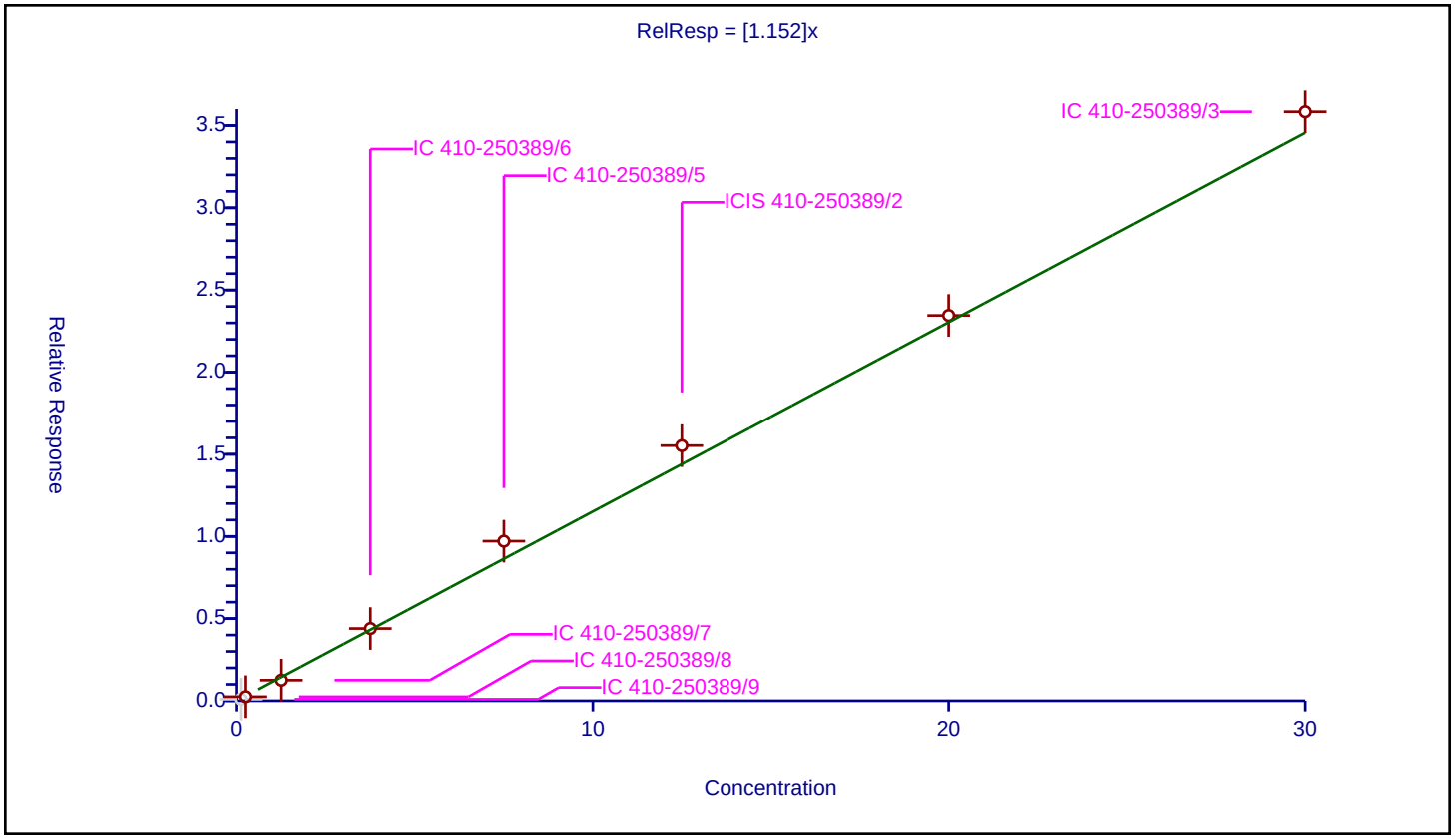
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Standard Error:	926000
Relative Standard Error:	10.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.095494	5.0	237711.0	0.763953	N
2	IC 410-250389/8	0.25	0.246272	5.0	291669.0	0.985089	Y
3	IC 410-250389/7	1.25	1.252372	5.0	233473.0	1.001897	Y
4	IC 410-250389/6	3.75	4.39563	5.0	206165.0	1.172168	Y
5	IC 410-250389/5	7.5	9.712612	5.0	187308.0	1.295015	Y
6	ICIS 410-250389/2	12.5	15.527591	5.0	183864.0	1.242207	Y
7	IC 410-250389/4	20.0	23.45343	5.0	254017.0	1.172672	Y
8	IC 410-250389/3	30.0	35.837158	5.0	250789.0	1.194572	Y



Calibration / 4-Methylphenol

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

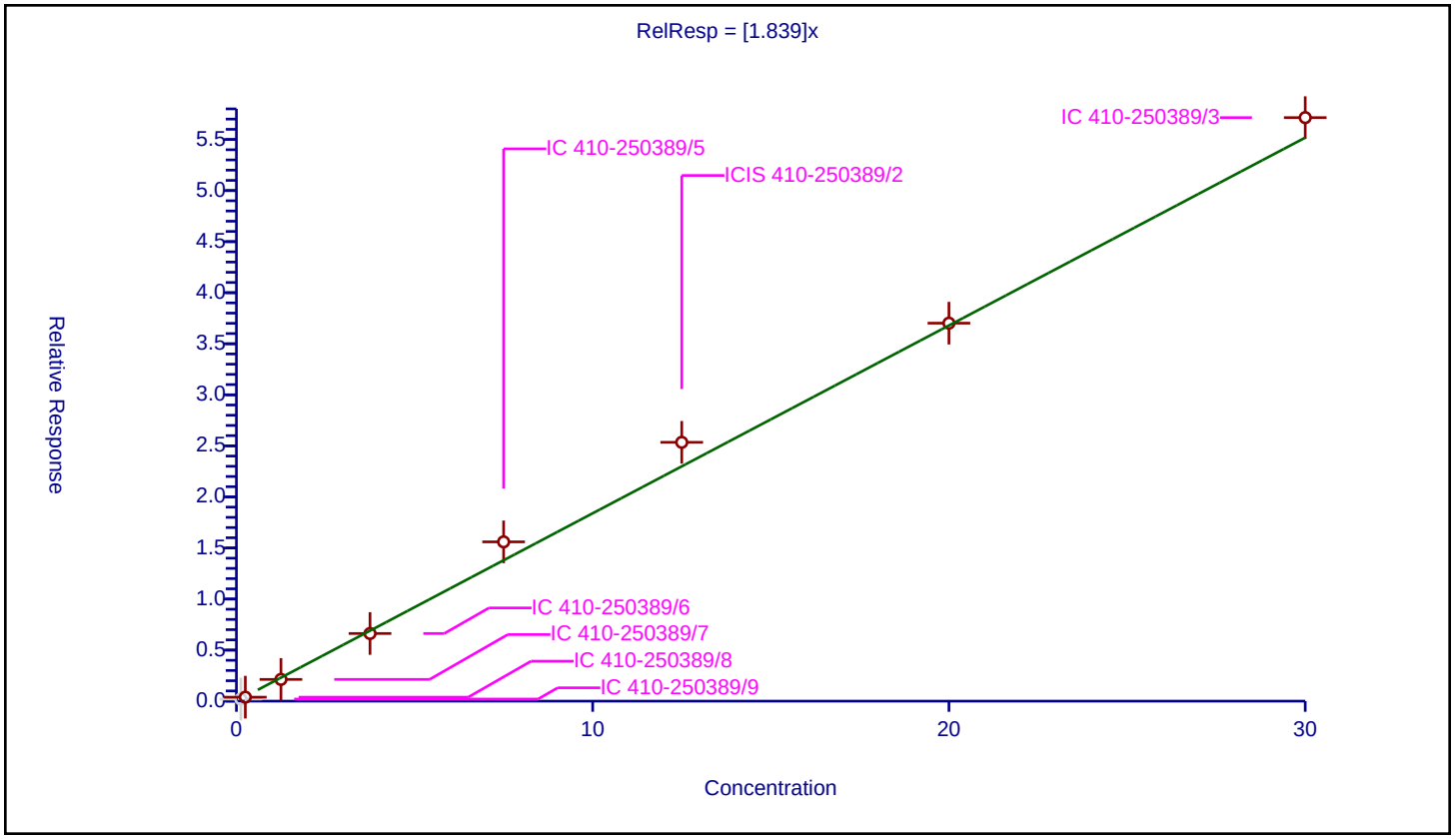
Curve Coefficients

Intercept:	0
Slope:	1.839

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	10.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.205922	5.0	237711.0	1.647379	N
2	IC 410-250389/8	0.25	0.386071	5.0	291669.0	1.544285	Y
3	IC 410-250389/7	1.25	2.12834	5.0	233473.0	1.702672	Y
4	IC 410-250389/6	3.75	6.623311	5.0	206165.0	1.766216	Y
5	IC 410-250389/5	7.5	15.597839	5.0	187308.0	2.079712	Y
6	ICIS 410-250389/2	12.5	25.346479	5.0	183864.0	2.027718	Y
7	IC 410-250389/4	20.0	37.01518	5.0	254017.0	1.850759	Y
8	IC 410-250389/3	30.0	57.144931	5.0	250789.0	1.904831	Y



Calibration / Acetophenone

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

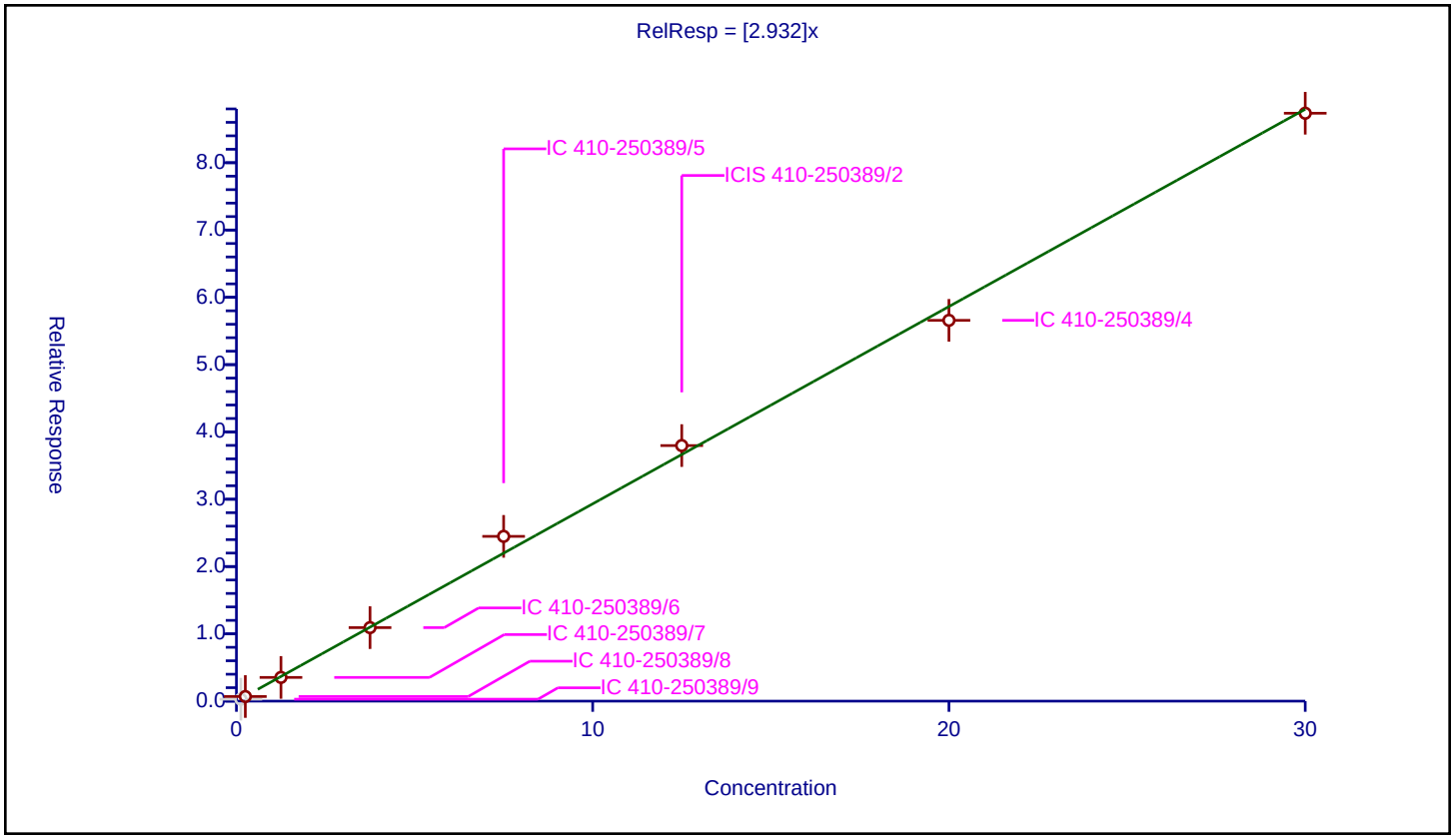
Curve Coefficients

Intercept:	0
Slope:	2.932

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	5.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.292372	5.0	237711.0	2.338975	N
2	IC 410-250389/8	0.25	0.686463	5.0	291669.0	2.745852	Y
3	IC 410-250389/7	1.25	3.524133	5.0	233473.0	2.819307	Y
4	IC 410-250389/6	3.75	10.92392	5.0	206165.0	2.913045	Y
5	IC 410-250389/5	7.5	24.48243	5.0	187308.0	3.264324	Y
6	ICIS 410-250389/2	12.5	37.972469	5.0	183864.0	3.037798	Y
7	IC 410-250389/4	20.0	56.583674	5.0	254017.0	2.829184	Y
8	IC 410-250389/3	30.0	87.353991	5.0	250789.0	2.9118	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

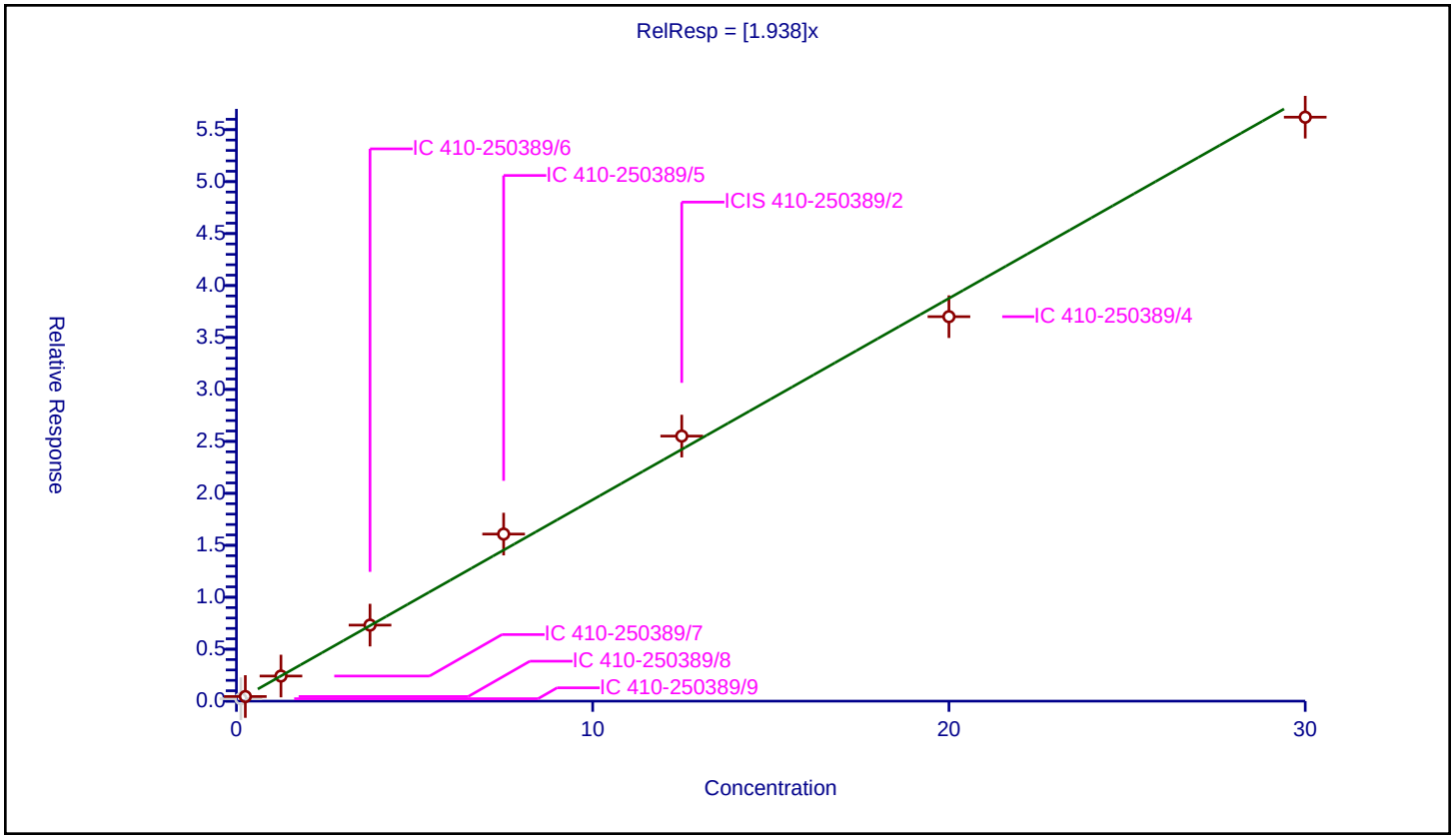
Curve Coefficients

Intercept:	0
Slope:	1.938

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.234465	5.0	237711.0	1.875723	N
2	IC 410-250389/8	0.25	0.444116	5.0	291669.0	1.776466	Y
3	IC 410-250389/7	1.25	2.414905	5.0	233473.0	1.931924	Y
4	IC 410-250389/6	3.75	7.317973	5.0	206165.0	1.95146	Y
5	IC 410-250389/5	7.5	16.078891	5.0	187308.0	2.143852	Y
6	ICIS 410-250389/2	12.5	25.508392	5.0	183864.0	2.040671	Y
7	IC 410-250389/4	20.0	37.002031	5.0	254017.0	1.850102	Y
8	IC 410-250389/3	30.0	56.201488	5.0	250789.0	1.873383	Y



Calibration / N-Nitrosomorpholine

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

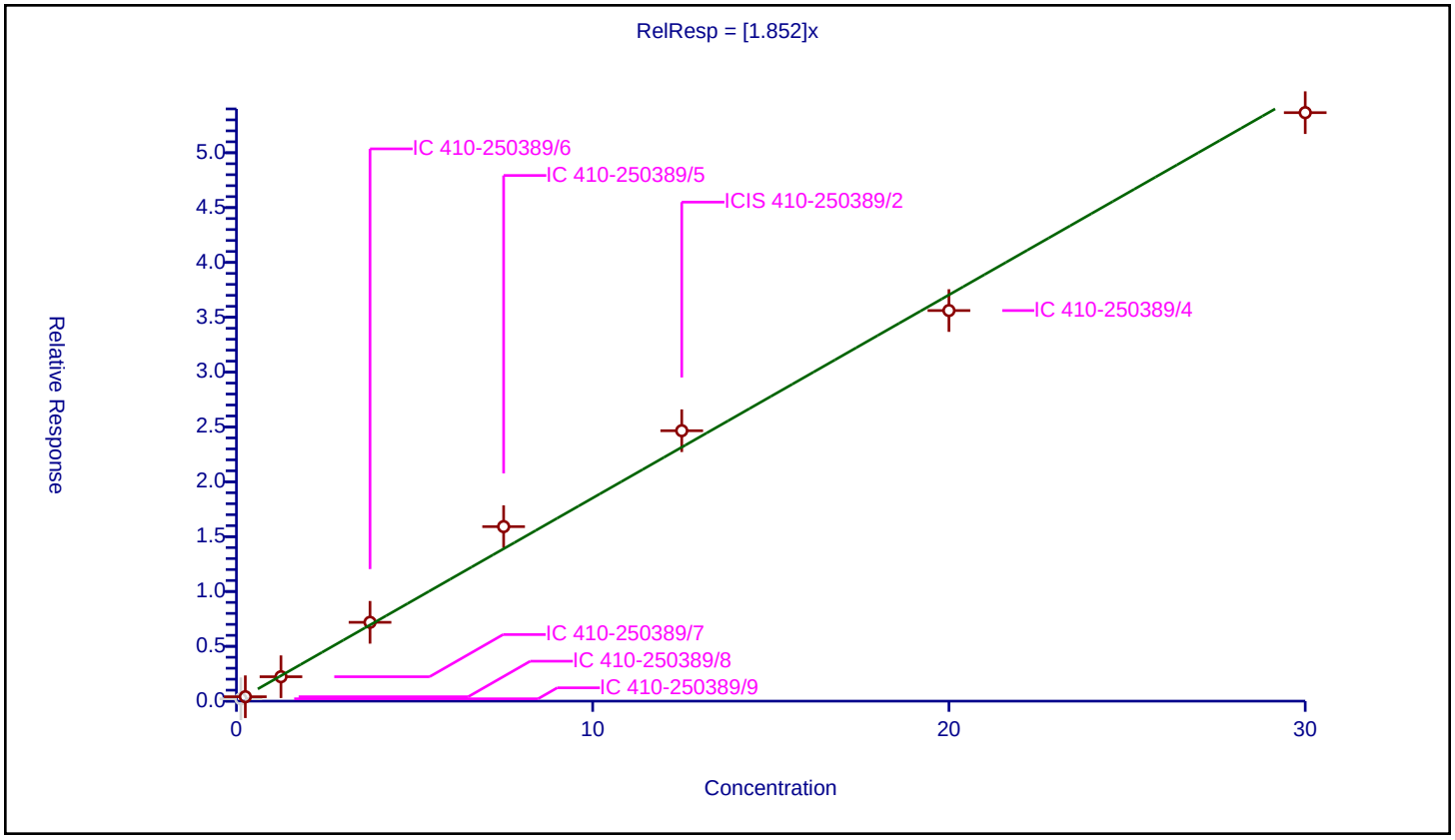
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	9.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.21402	5.0	237711.0	1.712163	N
2	IC 410-250389/8	0.25	0.40102	5.0	291669.0	1.604079	Y
3	IC 410-250389/7	1.25	2.225482	5.0	233473.0	1.780386	Y
4	IC 410-250389/6	3.75	7.187471	5.0	206165.0	1.916659	Y
5	IC 410-250389/5	7.5	15.912988	5.0	187308.0	2.121732	Y
6	ICIS 410-250389/2	12.5	24.658062	5.0	183864.0	1.972645	Y
7	IC 410-250389/4	20.0	35.613522	5.0	254017.0	1.780676	Y
8	IC 410-250389/3	30.0	53.657876	5.0	250789.0	1.788596	Y



Calibration / 2-Toluidine

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

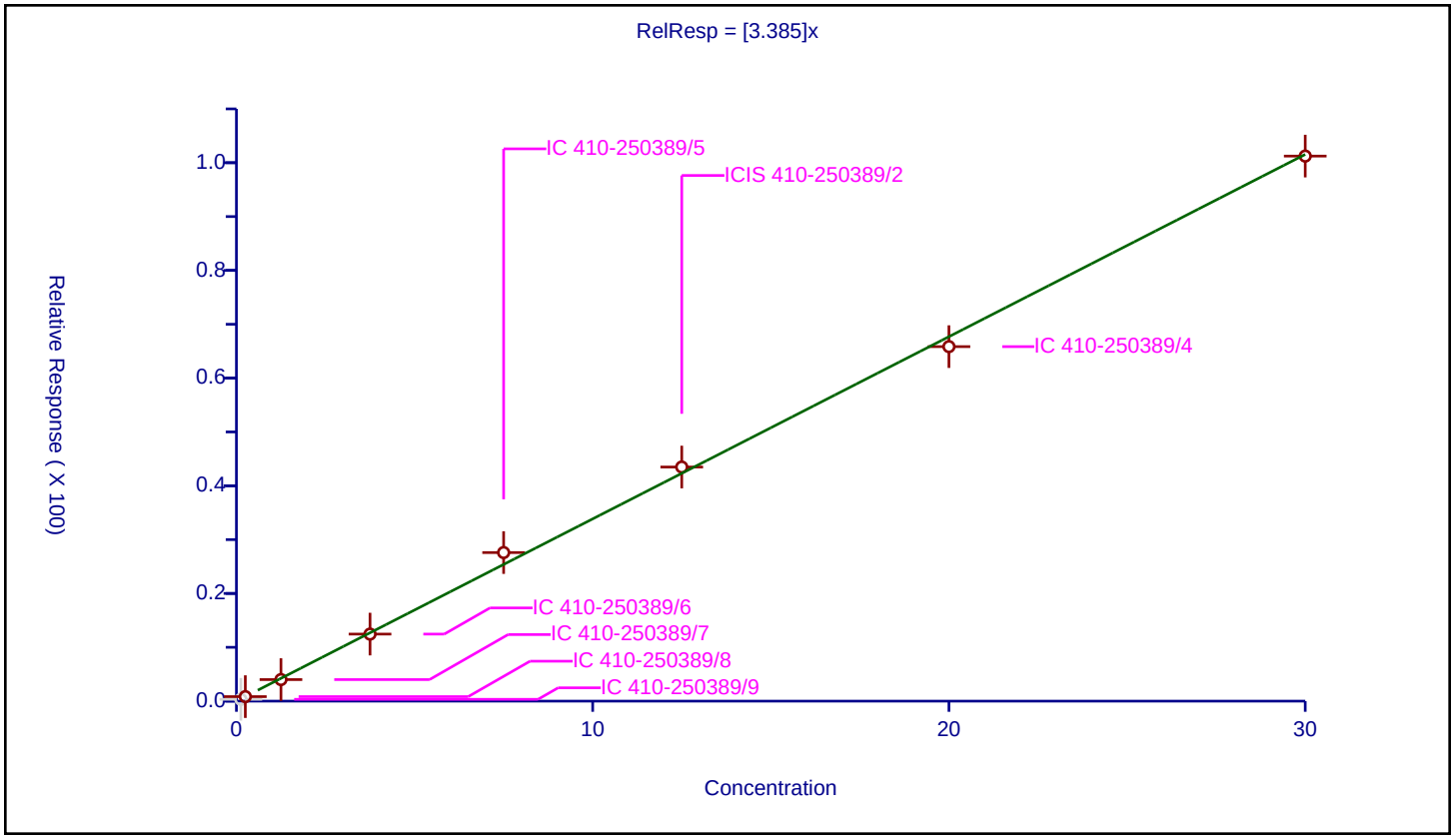
Curve Coefficients

Intercept:	0
Slope:	3.385

Error Coefficients

Standard Error:	2610000
Relative Standard Error:	4.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.340266	5.0	237711.0	2.722129	N
2	IC 410-250389/8	0.25	0.836668	5.0	291669.0	3.34667	Y
3	IC 410-250389/7	1.25	4.00254	5.0	233473.0	3.202032	Y
4	IC 410-250389/6	3.75	12.451726	5.0	206165.0	3.32046	Y
5	IC 410-250389/5	7.5	27.593936	5.0	187308.0	3.679191	Y
6	ICIS 410-250389/2	12.5	43.481486	5.0	183864.0	3.478519	Y
7	IC 410-250389/4	20.0	65.846243	5.0	254017.0	3.292312	Y
8	IC 410-250389/3	30.0	101.233328	5.0	250789.0	3.374444	Y



Calibration / Hexachloroethane

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

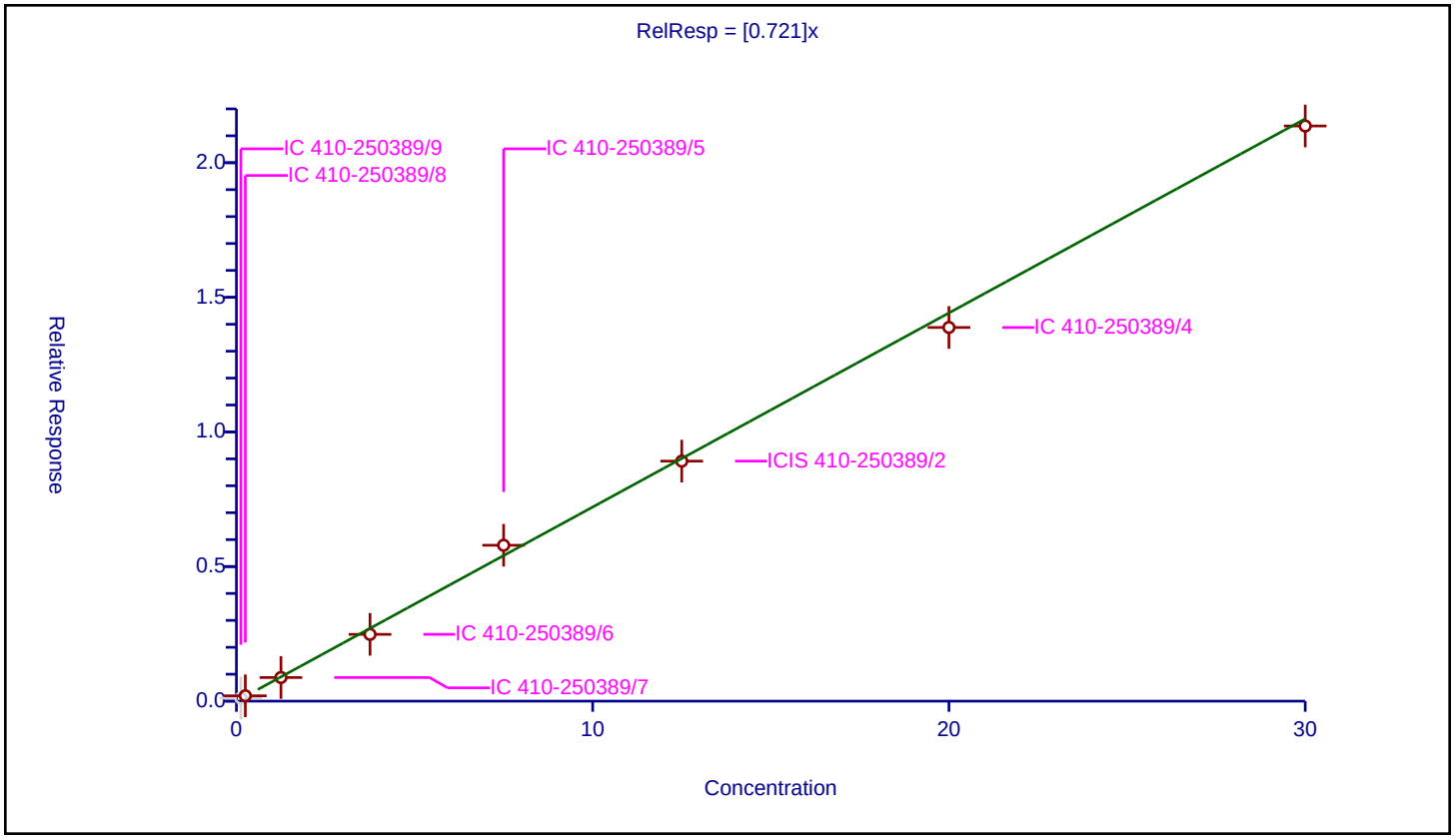
Curve Coefficients

Intercept:	0
Slope:	0.721

Error Coefficients

Standard Error:	550000
Relative Standard Error:	6.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.114425	5.0	237711.0	0.915397	N
2	IC 410-250389/8	0.25	0.198067	5.0	291669.0	0.792268	Y
3	IC 410-250389/7	1.25	0.877189	5.0	233473.0	0.701751	Y
4	IC 410-250389/6	3.75	2.481314	5.0	206165.0	0.661684	Y
5	IC 410-250389/5	7.5	5.790276	5.0	187308.0	0.772037	Y
6	ICIS 410-250389/2	12.5	8.915421	5.0	183864.0	0.713234	Y
7	IC 410-250389/4	20.0	13.880449	5.0	254017.0	0.694022	Y
8	IC 410-250389/3	30.0	21.364733	5.0	250789.0	0.712158	Y



Calibration / Nitrobenzene-d5

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

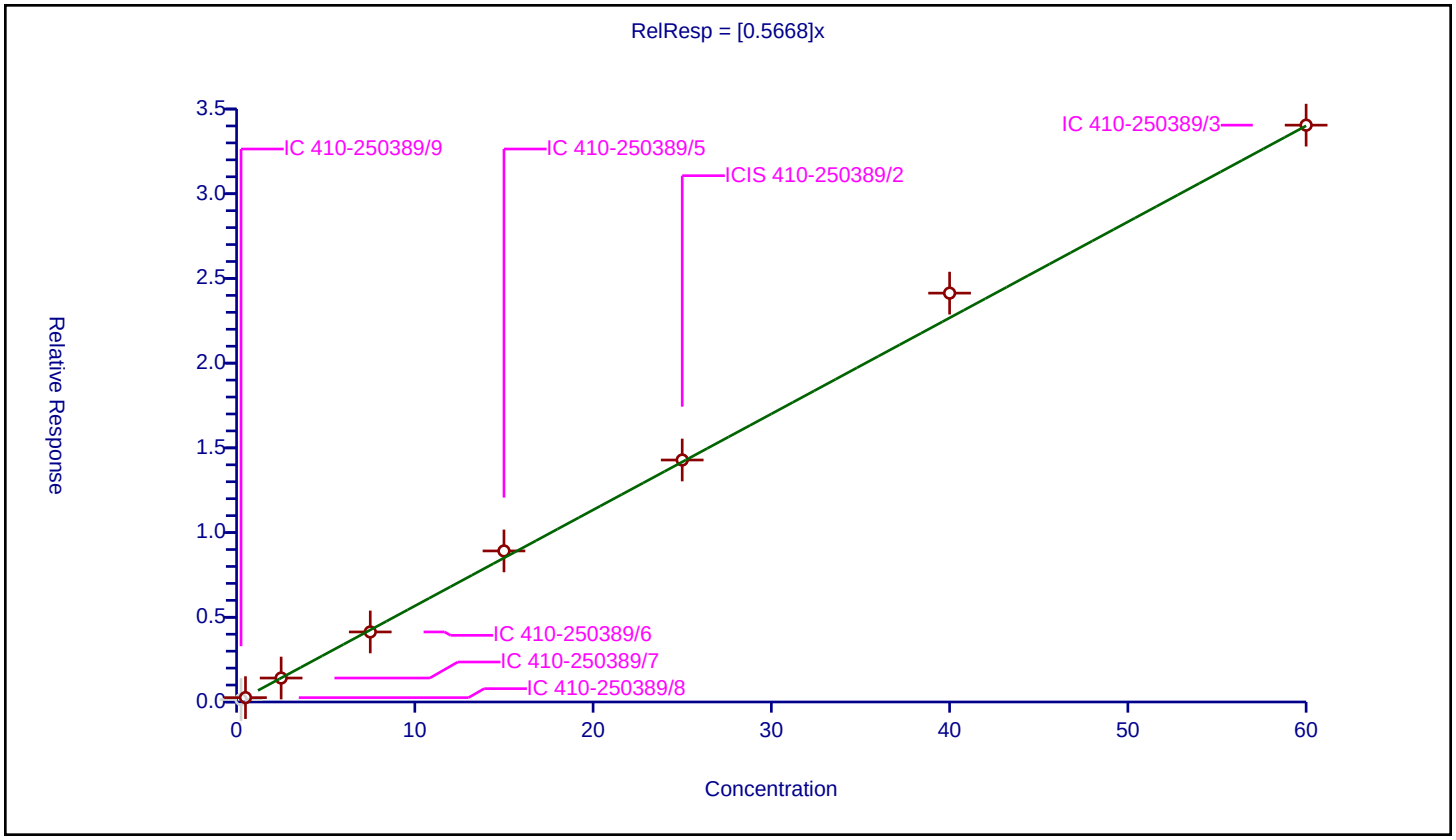
Curve Coefficients

Intercept:	0
Slope:	0.5668

Error Coefficients

Standard Error:	3730000
Relative Standard Error:	5.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.145433	5.0	965978.0	0.581732	N
2	IC 410-250389/8	0.5	0.257176	5.0	1164942.0	0.514352	Y
3	IC 410-250389/7	2.5	1.413863	5.0	960581.0	0.565545	Y
4	IC 410-250389/6	7.5	4.134793	5.0	903344.0	0.551306	Y
5	IC 410-250389/5	15.0	8.915844	5.0	858862.0	0.59439	Y
6	ICIS 410-250389/2	25.0	14.283543	5.0	819247.0	0.571342	Y
7	IC 410-250389/4	40.0	24.133046	5.0	1022540.0	0.603326	Y
8	IC 410-250389/3	60.0	34.047438	5.0	1046299.0	0.567457	Y



Calibration / Nitrobenzene

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

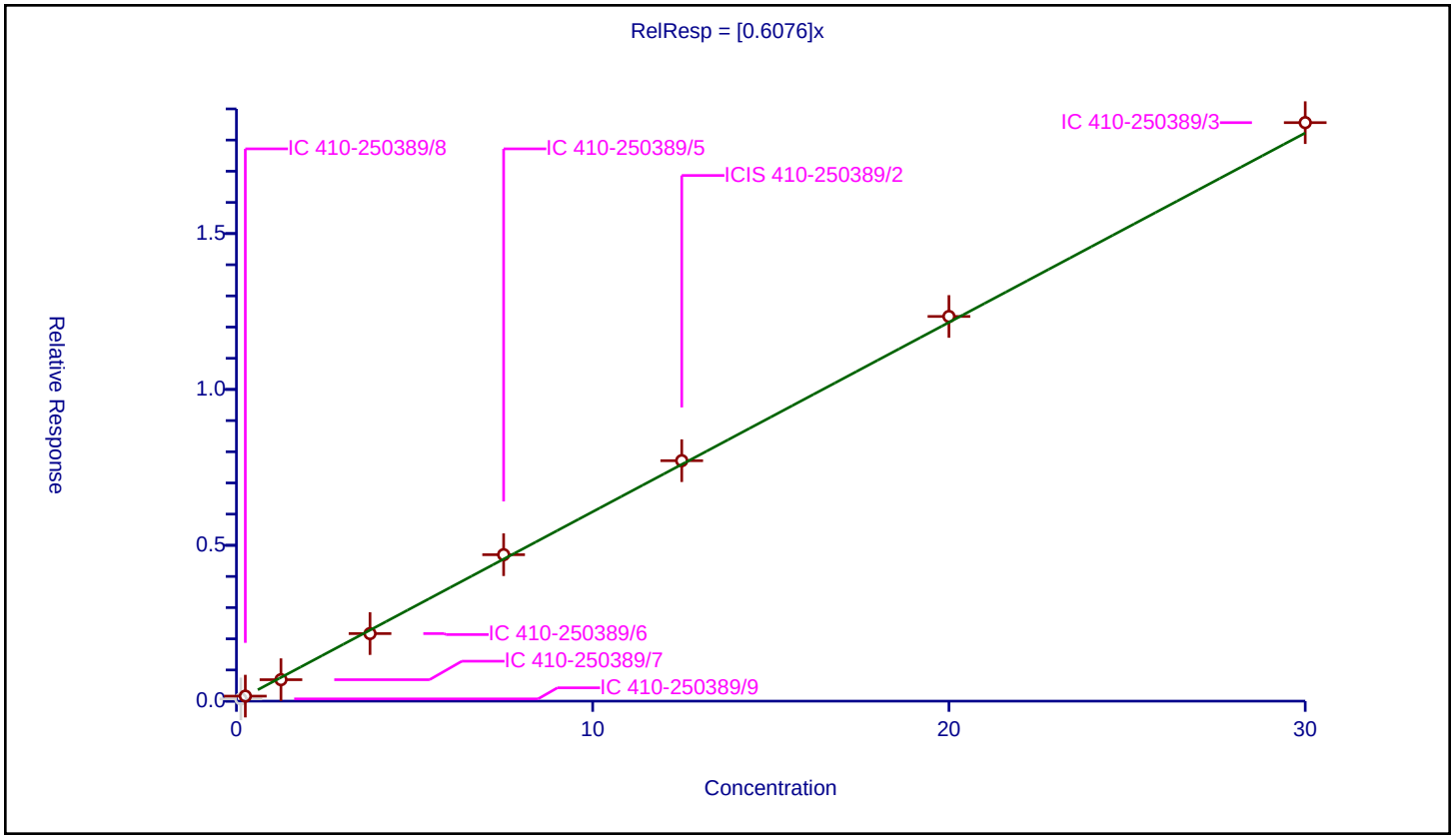
Curve Coefficients

Intercept:	0
Slope:	0.6076

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	5.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.072025	5.0	965978.0	0.576204	N
2	IC 410-250389/8	0.25	0.161274	5.0	1164942.0	0.645096	Y
3	IC 410-250389/7	1.25	0.688349	5.0	960581.0	0.550679	Y
4	IC 410-250389/6	3.75	2.166943	5.0	903344.0	0.577851	Y
5	IC 410-250389/5	7.5	4.698531	5.0	858862.0	0.626471	Y
6	ICIS 410-250389/2	12.5	7.714688	5.0	819247.0	0.617175	Y
7	IC 410-250389/4	20.0	12.340838	5.0	1022540.0	0.617042	Y
8	IC 410-250389/3	30.0	18.559265	5.0	1046299.0	0.618642	Y



Calibration / N-Nitrosopiperidine

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

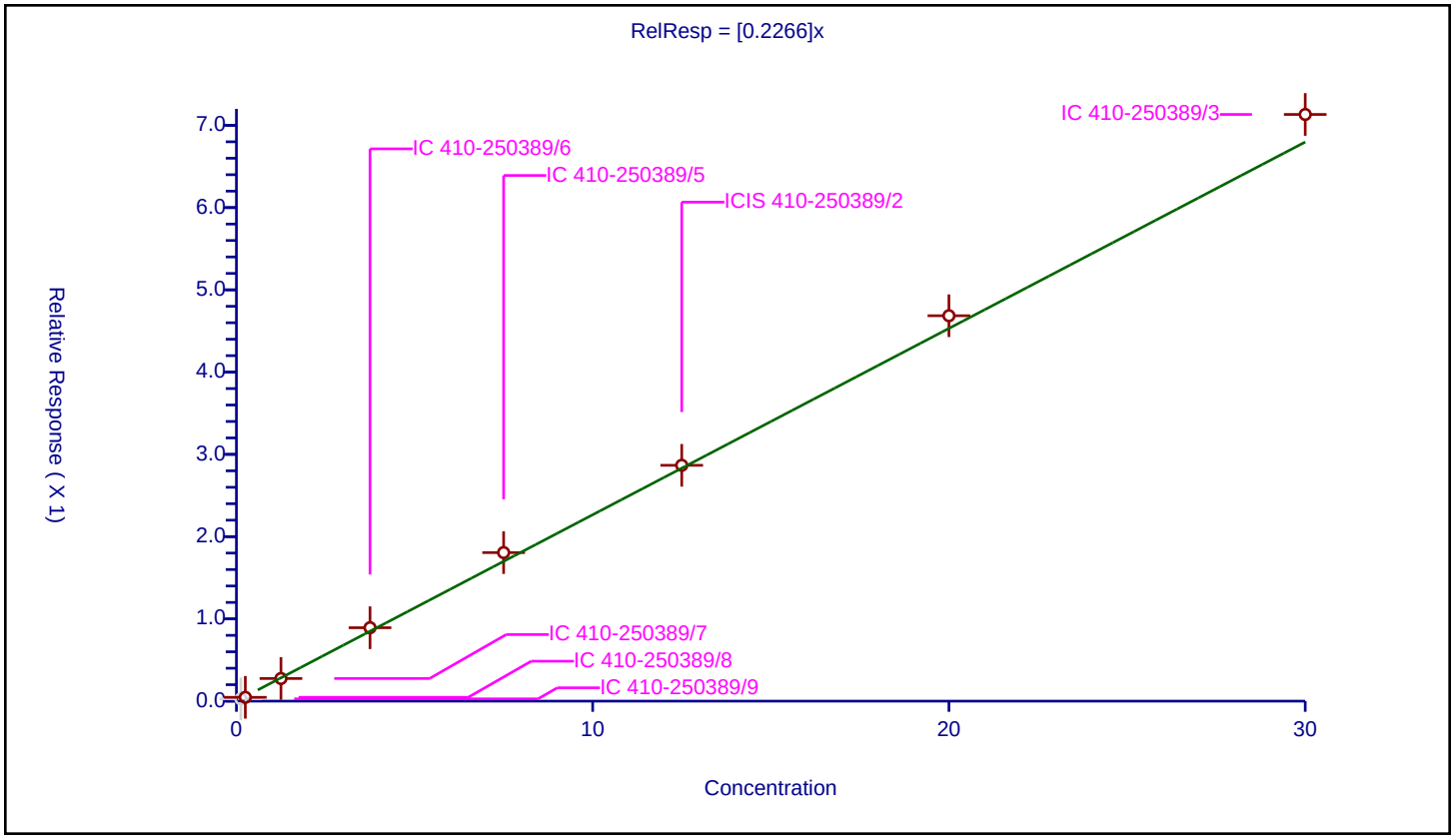
Curve Coefficients

Intercept:	0
Slope:	0.2266

Error Coefficients

Standard Error:	763000
Relative Standard Error:	8.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.027806	5.0	965978.0	0.222448	N
2	IC 410-250389/8	0.25	0.046431	5.0	1164942.0	0.185726	Y
3	IC 410-250389/7	1.25	0.275214	5.0	960581.0	0.220171	Y
4	IC 410-250389/6	3.75	0.892384	5.0	903344.0	0.237969	Y
5	IC 410-250389/5	7.5	1.80582	5.0	858862.0	0.240776	Y
6	ICIS 410-250389/2	12.5	2.867029	5.0	819247.0	0.229362	Y
7	IC 410-250389/4	20.0	4.685406	5.0	1022540.0	0.23427	Y
8	IC 410-250389/3	30.0	7.132459	5.0	1046299.0	0.237749	Y



Calibration / Isophorone

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

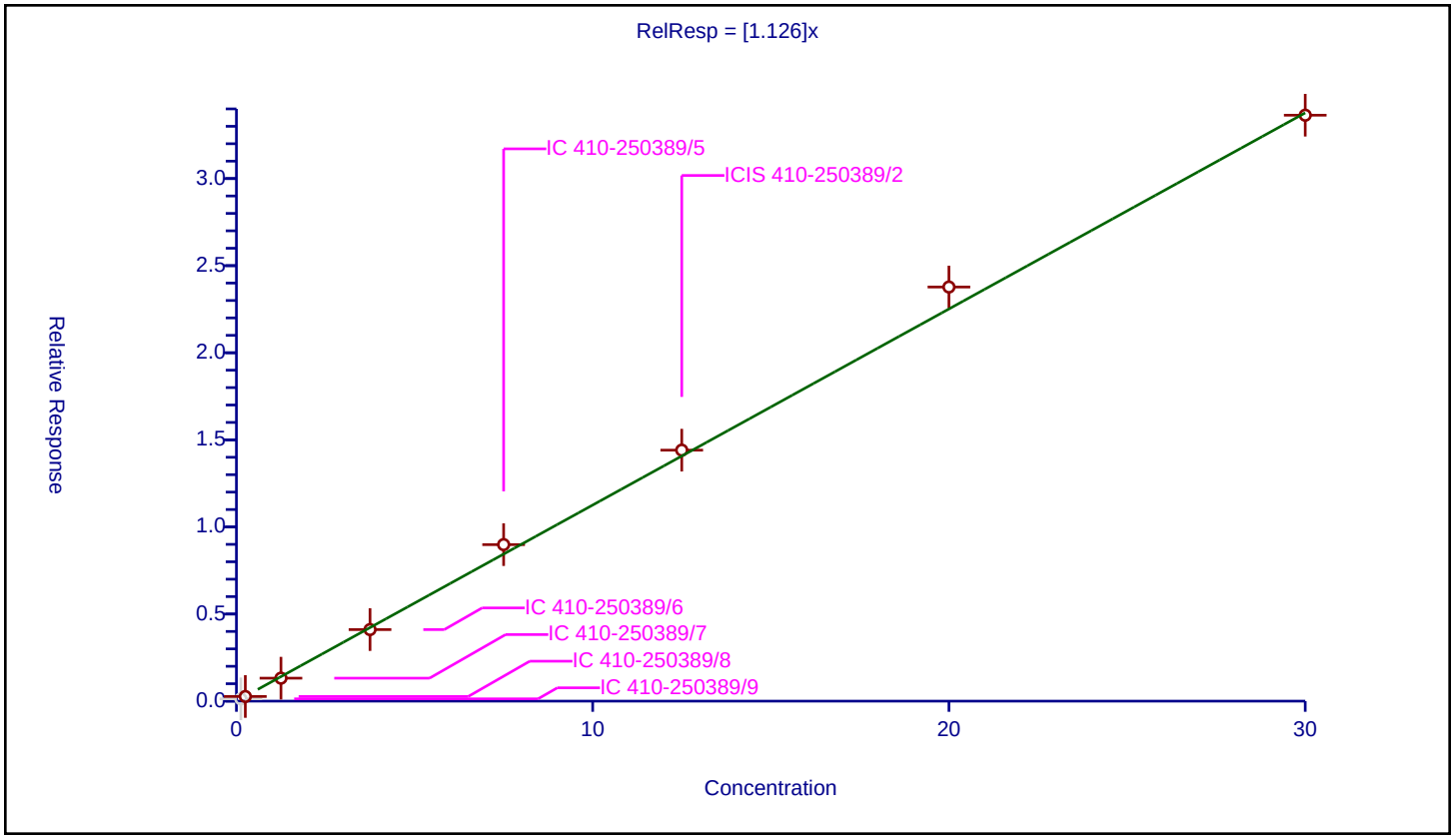
Curve Coefficients

Intercept:	0
Slope:	1.126

Error Coefficients

Standard Error:	3690000
Relative Standard Error:	5.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.131685	5.0	965978.0	1.053482	N
2	IC 410-250389/8	0.25	0.267374	5.0	1164942.0	1.069495	Y
3	IC 410-250389/7	1.25	1.318119	5.0	960581.0	1.054495	Y
4	IC 410-250389/6	3.75	4.10782	5.0	903344.0	1.095419	Y
5	IC 410-250389/5	7.5	8.985751	5.0	858862.0	1.1981	Y
6	ICIS 410-250389/2	12.5	14.408048	5.0	819247.0	1.152644	Y
7	IC 410-250389/4	20.0	23.773329	5.0	1022540.0	1.188666	Y
8	IC 410-250389/3	30.0	33.637196	5.0	1046299.0	1.12124	Y



Calibration / 2-Nitrophenol

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

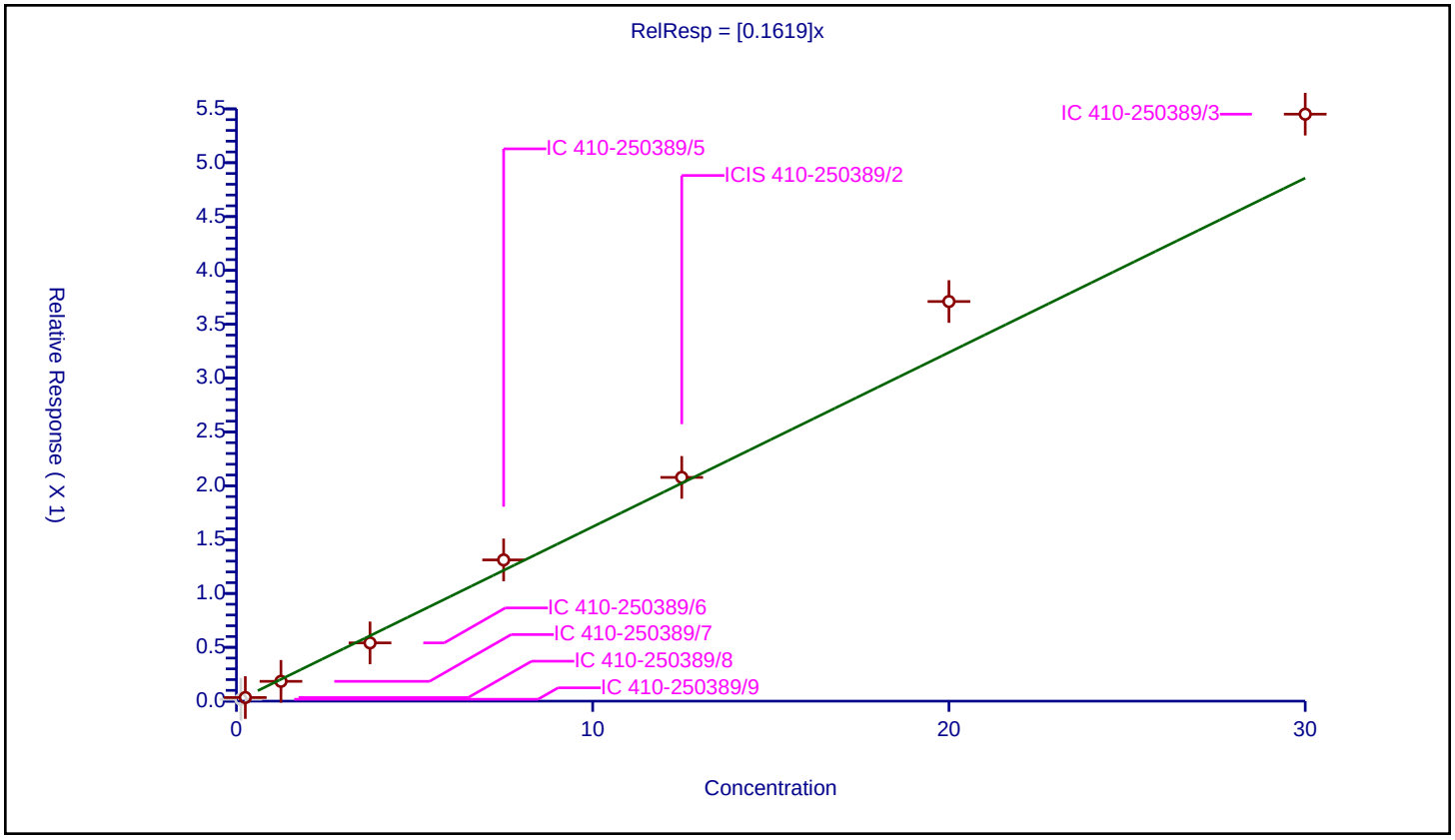
Curve Coefficients

Intercept:	0
Slope:	0.1619

Error Coefficients

Standard Error:	585000
Relative Standard Error:	12.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.01733	5.0	965978.0	0.138637	N
2	IC 410-250389/8	0.25	0.033397	5.0	1164942.0	0.133586	Y
3	IC 410-250389/7	1.25	0.183993	5.0	960581.0	0.147194	Y
4	IC 410-250389/6	3.75	0.541067	5.0	903344.0	0.144285	Y
5	IC 410-250389/5	7.5	1.311451	5.0	858862.0	0.17486	Y
6	ICIS 410-250389/2	12.5	2.077774	5.0	819247.0	0.166222	Y
7	IC 410-250389/4	20.0	3.711292	5.0	1022540.0	0.185565	Y
8	IC 410-250389/3	30.0	5.450908	5.0	1046299.0	0.181697	Y



Calibration / 2,4-Dimethylphenol

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

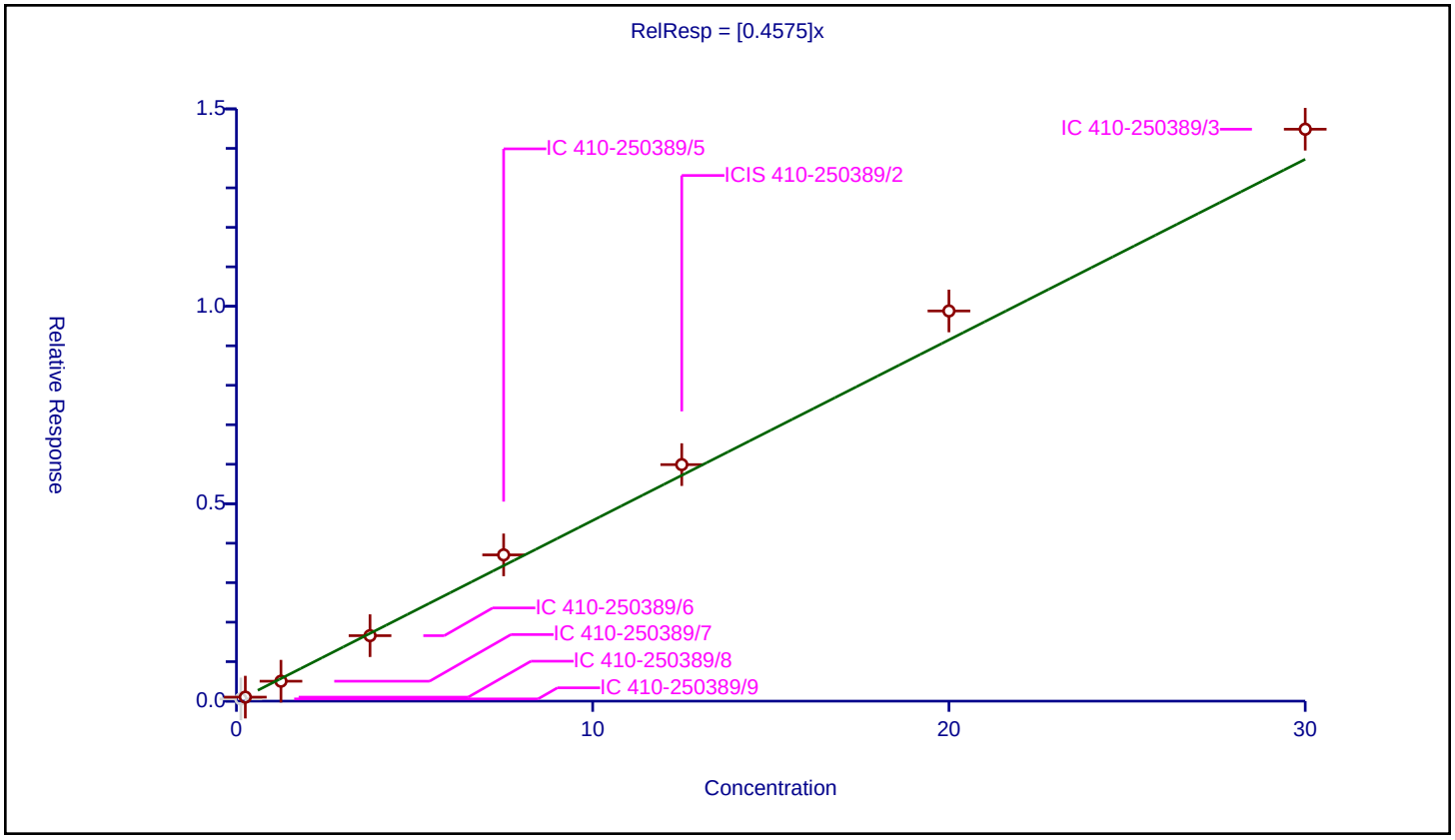
Curve Coefficients

Intercept:	0
Slope:	0.4575

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	8.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.056523	5.0	965978.0	0.452184	N
2	IC 410-250389/8	0.25	0.101546	5.0	1164942.0	0.406183	Y
3	IC 410-250389/7	1.25	0.504887	5.0	960581.0	0.40391	Y
4	IC 410-250389/6	3.75	1.658565	5.0	903344.0	0.442284	Y
5	IC 410-250389/5	7.5	3.704396	5.0	858862.0	0.493919	Y
6	ICIS 410-250389/2	12.5	5.990745	5.0	819247.0	0.47926	Y
7	IC 410-250389/4	20.0	9.881736	5.0	1022540.0	0.494087	Y
8	IC 410-250389/3	30.0	14.485109	5.0	1046299.0	0.482837	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

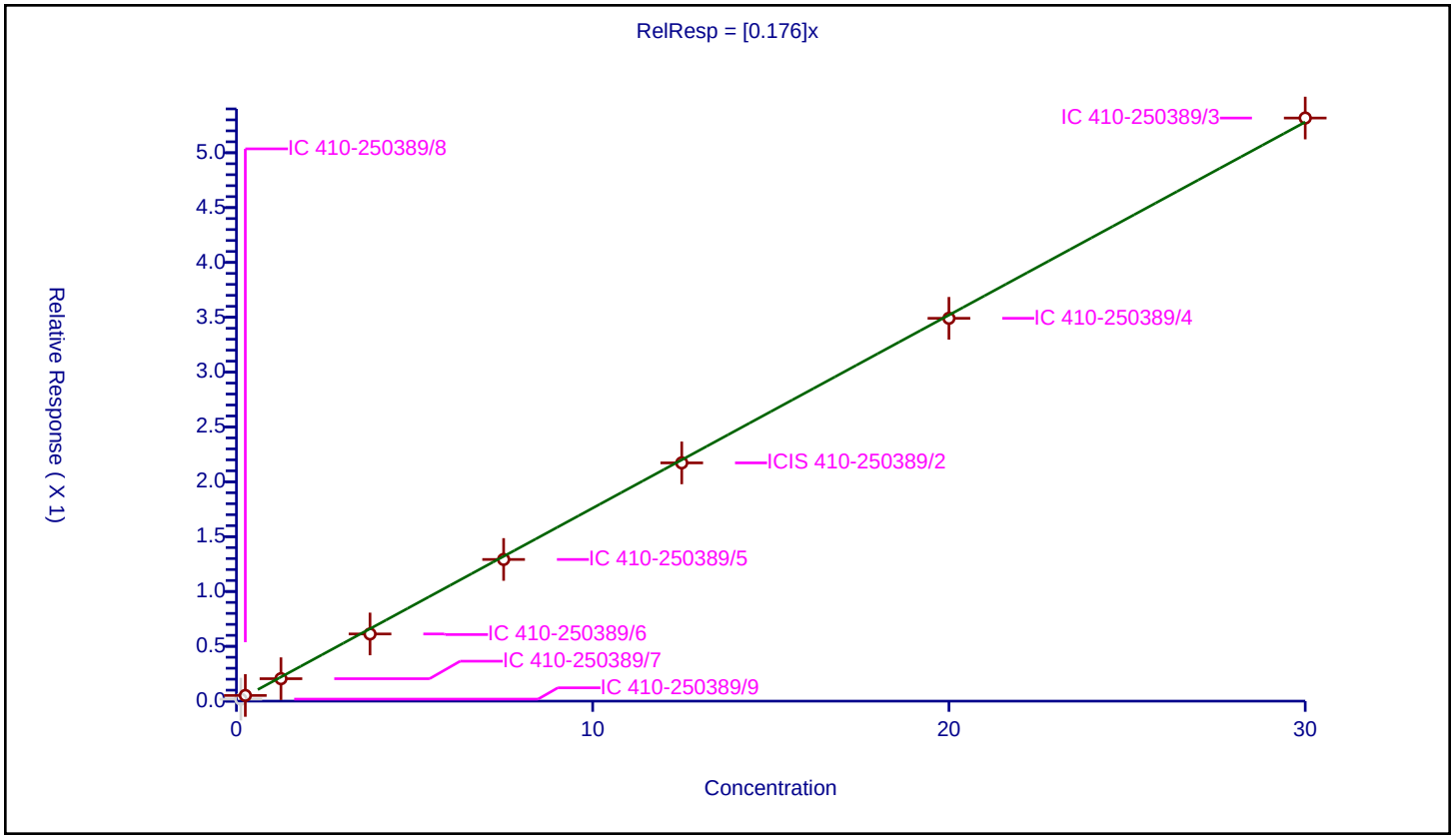
Curve Coefficients

Intercept:	0
Slope:	0.176

Error Coefficients

Standard Error:	568000
Relative Standard Error:	8.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.018313	5.0	965978.0	0.146504	N
2	IC 410-250389/8	0.25	0.051814	5.0	1164942.0	0.207255	Y
3	IC 410-250389/7	1.25	0.204522	5.0	960581.0	0.163618	Y
4	IC 410-250389/6	3.75	0.612513	5.0	903344.0	0.163337	Y
5	IC 410-250389/5	7.5	1.291826	5.0	858862.0	0.172243	Y
6	ICIS 410-250389/2	12.5	2.172471	5.0	819247.0	0.173798	Y
7	IC 410-250389/4	20.0	3.490675	5.0	1022540.0	0.174534	Y
8	IC 410-250389/3	30.0	5.316778	5.0	1046299.0	0.177226	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

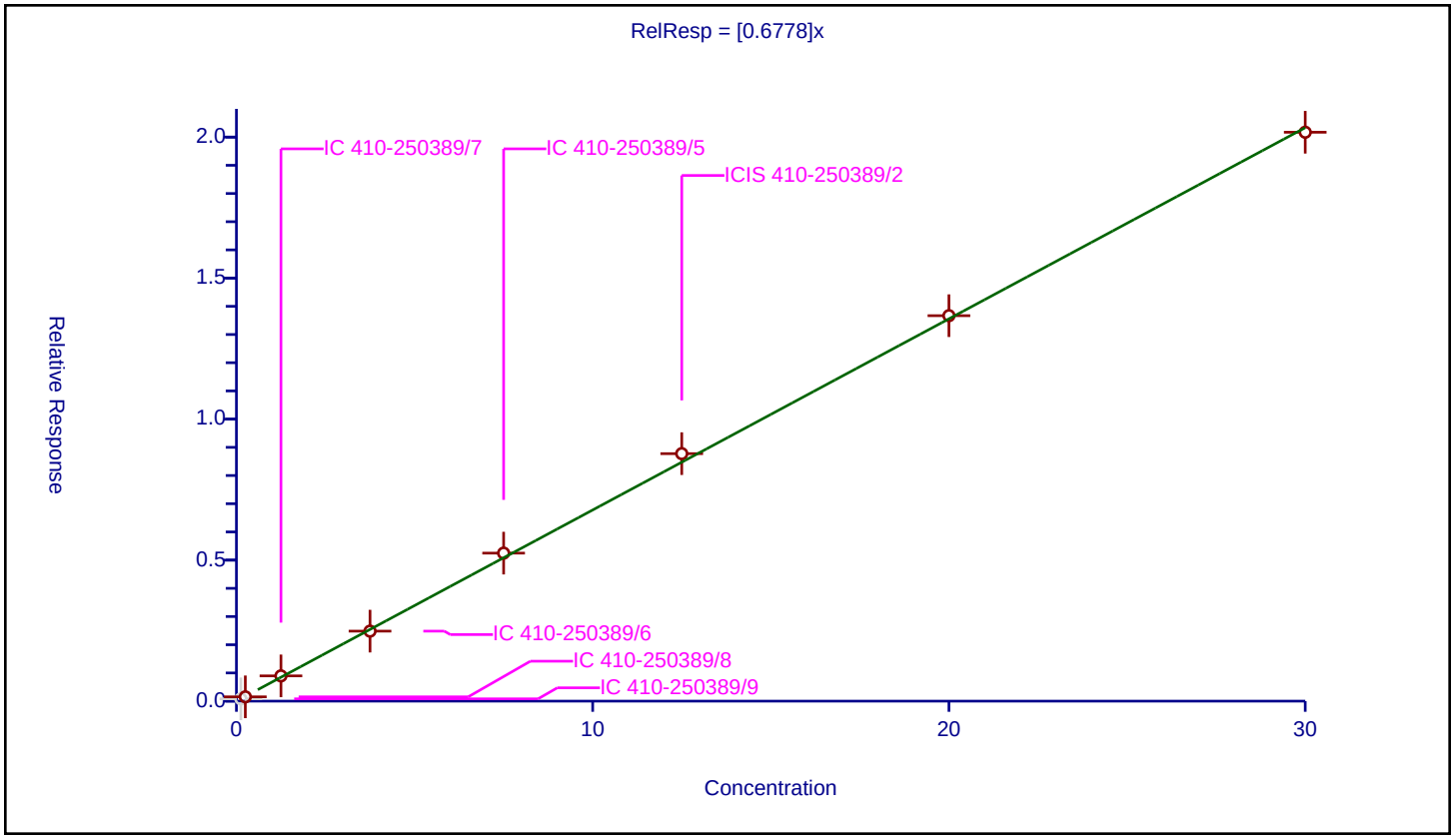
Curve Coefficients

Intercept:	0
Slope:	0.6778

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	5.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.081508	5.0	965978.0	0.652065	N
2	IC 410-250389/8	0.25	0.152132	5.0	1164942.0	0.608528	Y
3	IC 410-250389/7	1.25	0.895489	5.0	960581.0	0.716391	Y
4	IC 410-250389/6	3.75	2.48231	5.0	903344.0	0.661949	Y
5	IC 410-250389/5	7.5	5.248637	5.0	858862.0	0.699818	Y
6	ICIS 410-250389/2	12.5	8.775888	5.0	819247.0	0.702071	Y
7	IC 410-250389/4	20.0	13.667333	5.0	1022540.0	0.683367	Y
8	IC 410-250389/3	30.0	20.172073	5.0	1046299.0	0.672402	Y



Calibration / 2,4-Dichlorophenol

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

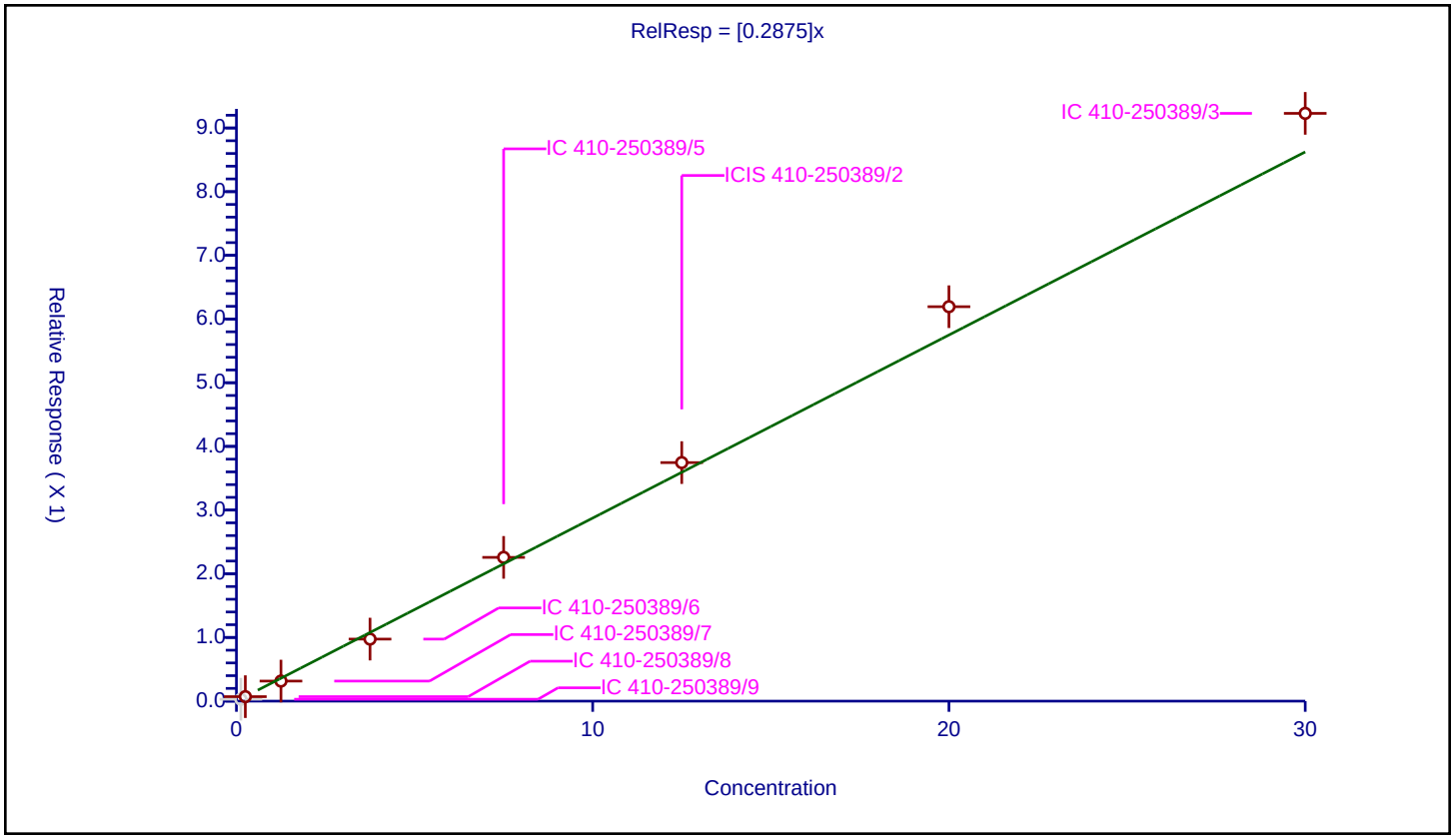
Curve Coefficients

Intercept:	0
Slope:	0.2875

Error Coefficients

Standard Error:	991000
Relative Standard Error:	8.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.030027	5.0	965978.0	0.240213	N
2	IC 410-250389/8	0.25	0.070617	5.0	1164942.0	0.282469	Y
3	IC 410-250389/7	1.25	0.314986	5.0	960581.0	0.251989	Y
4	IC 410-250389/6	3.75	0.974352	5.0	903344.0	0.259827	Y
5	IC 410-250389/5	7.5	2.257586	5.0	858862.0	0.301011	Y
6	ICIS 410-250389/2	12.5	3.745775	5.0	819247.0	0.299662	Y
7	IC 410-250389/4	20.0	6.193587	5.0	1022540.0	0.309679	Y
8	IC 410-250389/3	30.0	9.229914	5.0	1046299.0	0.307664	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

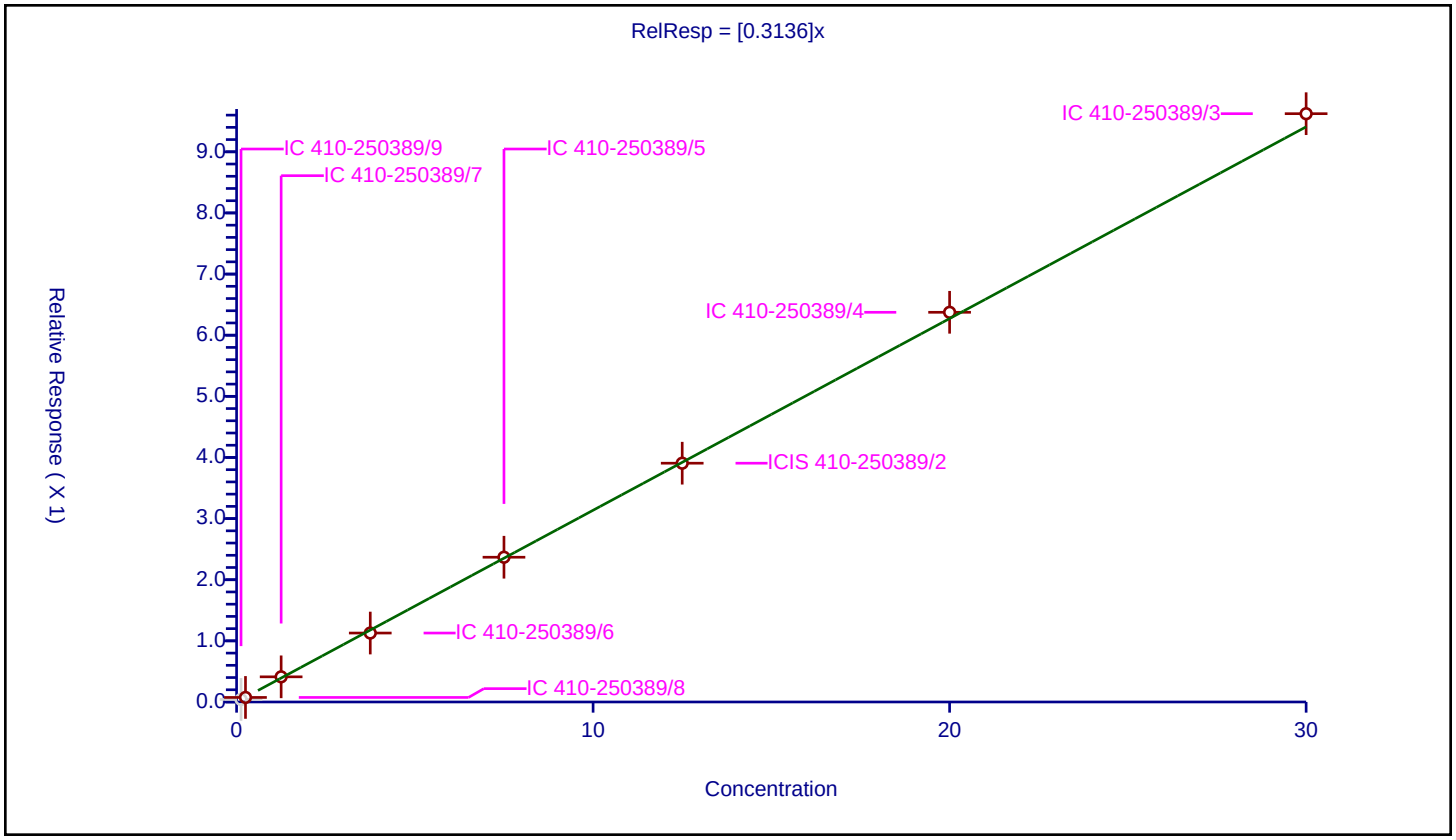
Curve Coefficients

Intercept:	0
Slope:	0.3136

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	3.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.041745	5.0	965978.0	0.333962	N
2	IC 410-250389/8	0.25	0.074399	5.0	1164942.0	0.297594	Y
3	IC 410-250389/7	1.25	0.411517	5.0	960581.0	0.329213	Y
4	IC 410-250389/6	3.75	1.128059	5.0	903344.0	0.300816	Y
5	IC 410-250389/5	7.5	2.367936	5.0	858862.0	0.315725	Y
6	ICIS 410-250389/2	12.5	3.905959	5.0	819247.0	0.312477	Y
7	IC 410-250389/4	20.0	6.374494	5.0	1022540.0	0.318725	Y
8	IC 410-250389/3	30.0	9.623439	5.0	1046299.0	0.320781	Y



Calibration / Naphthalene

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

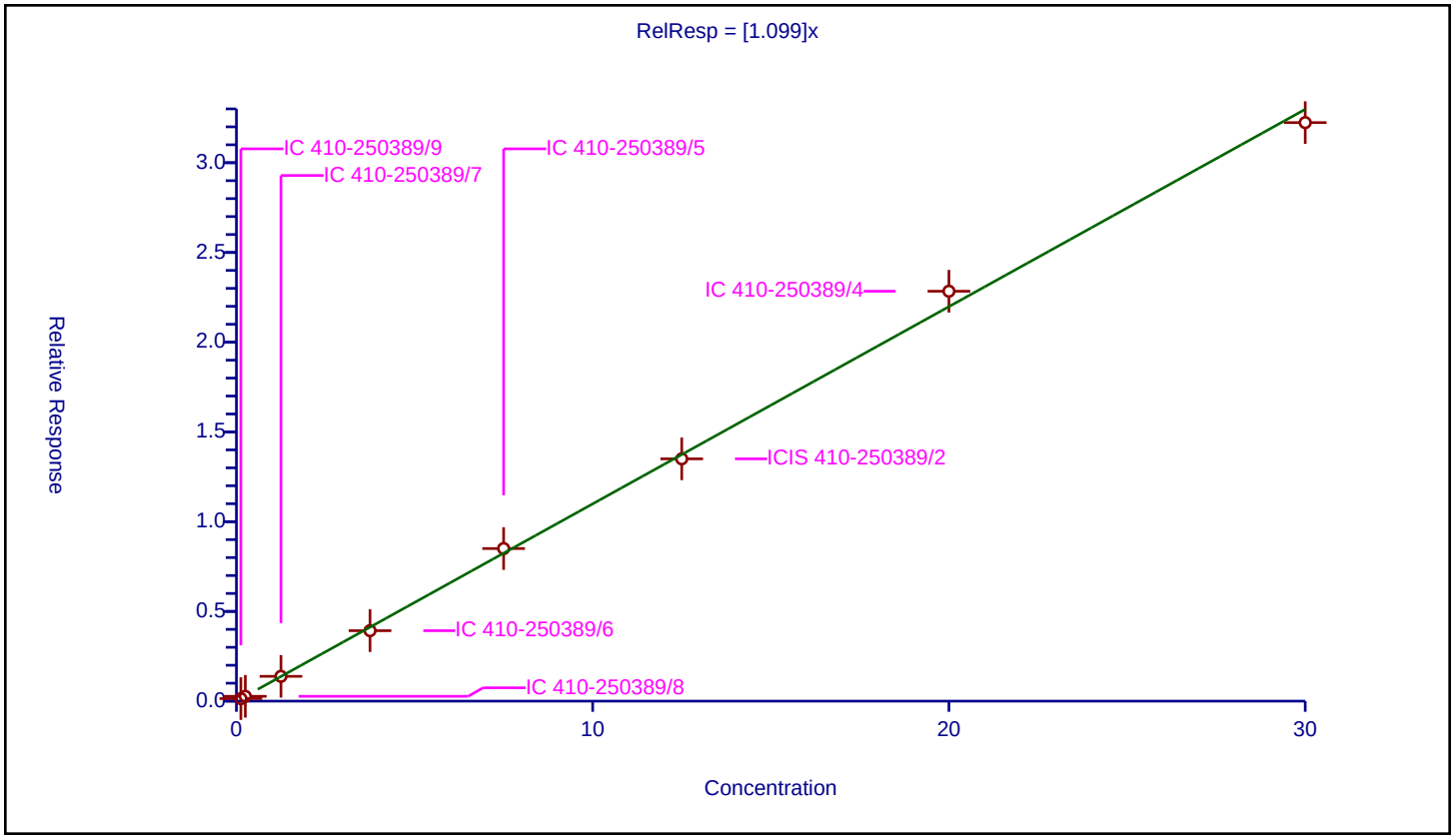
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	3270000
Relative Standard Error:	3.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.141634	5.0	965978.0	1.133069	Y
2	IC 410-250389/8	0.25	0.269228	5.0	1164942.0	1.076912	Y
3	IC 410-250389/7	1.25	1.382465	5.0	960581.0	1.105972	Y
4	IC 410-250389/6	3.75	3.926372	5.0	903344.0	1.047033	Y
5	IC 410-250389/5	7.5	8.502548	5.0	858862.0	1.133673	Y
6	ICIS 410-250389/2	12.5	13.500672	5.0	819247.0	1.080054	Y
7	IC 410-250389/4	20.0	22.840564	5.0	1022540.0	1.142028	Y
8	IC 410-250389/3	30.0	32.236029	5.0	1046299.0	1.074534	Y



Calibration / Alpha-Terpineol

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

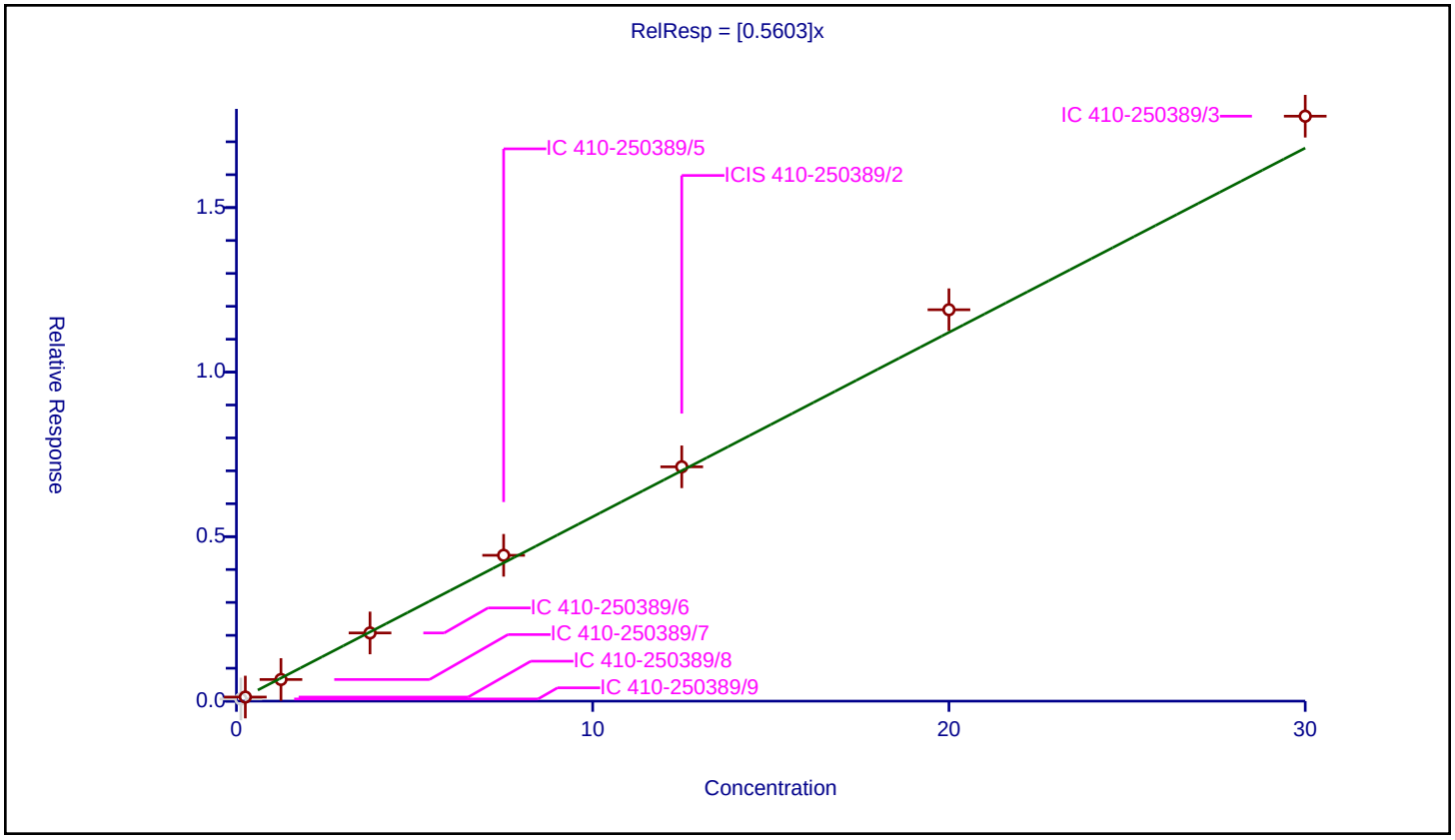
Curve Coefficients

Intercept:	0
Slope:	0.5603

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	6.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.066368	5.0	965978.0	0.530944	N
2	IC 410-250389/8	0.25	0.12392	5.0	1164942.0	0.495681	Y
3	IC 410-250389/7	1.25	0.657581	5.0	960581.0	0.526065	Y
4	IC 410-250389/6	3.75	2.072394	5.0	903344.0	0.552638	Y
5	IC 410-250389/5	7.5	4.432243	5.0	858862.0	0.590966	Y
6	ICIS 410-250389/2	12.5	7.121466	5.0	819247.0	0.569717	Y
7	IC 410-250389/4	20.0	11.89531	5.0	1022540.0	0.594765	Y
8	IC 410-250389/3	30.0	17.77804	5.0	1046299.0	0.592601	Y



Calibration / 4-Chloroaniline

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

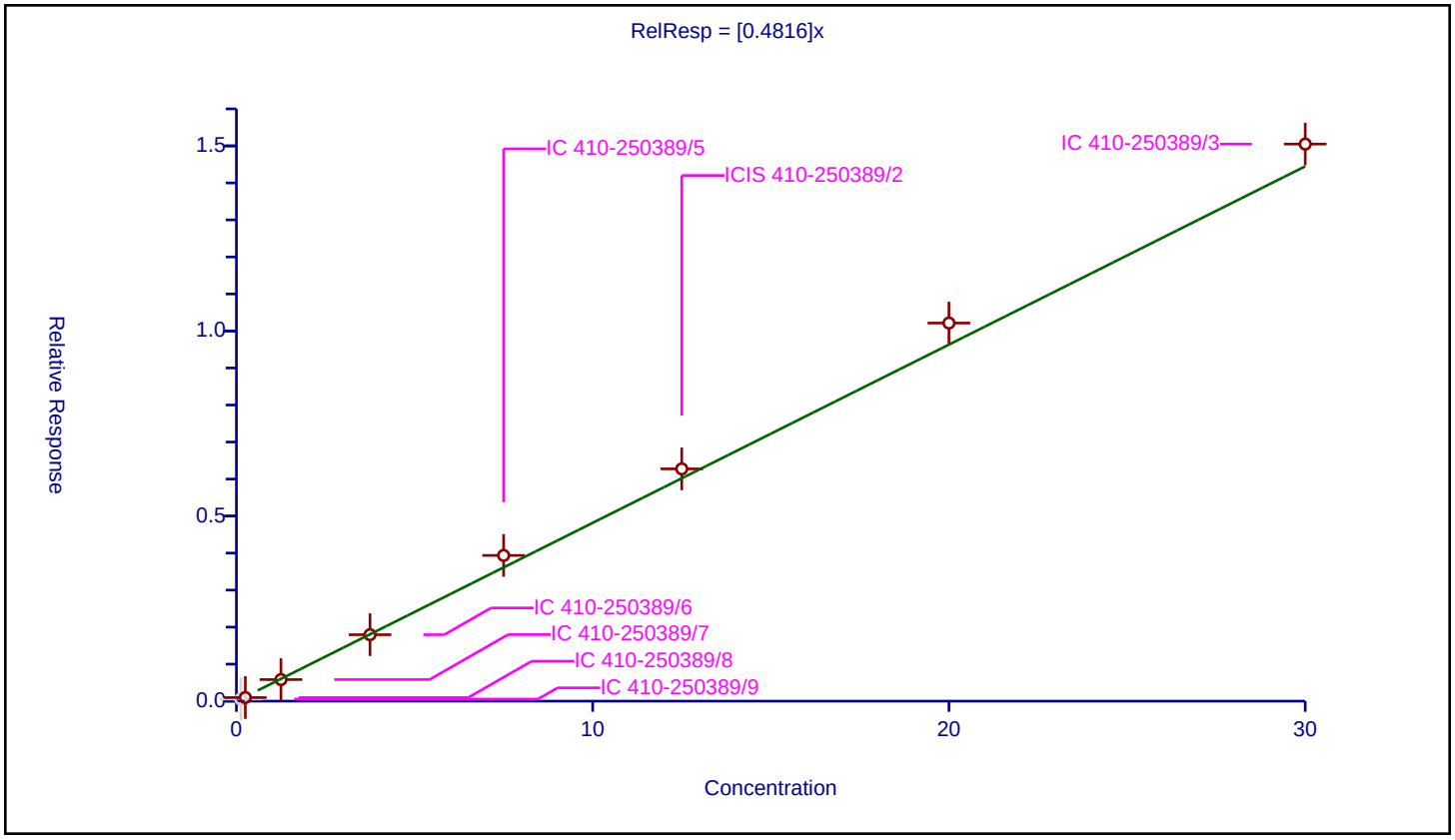
Curve Coefficients

Intercept:	0
Slope:	0.4816

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	9.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.056735	5.0	965978.0	0.453882	N
2	IC 410-250389/8	0.25	0.096919	5.0	1164942.0	0.387676	Y
3	IC 410-250389/7	1.25	0.582153	5.0	960581.0	0.465722	Y
4	IC 410-250389/6	3.75	1.794936	5.0	903344.0	0.47865	Y
5	IC 410-250389/5	7.5	3.936162	5.0	858862.0	0.524822	Y
6	ICIS 410-250389/2	12.5	6.274713	5.0	819247.0	0.501977	Y
7	IC 410-250389/4	20.0	10.214256	5.0	1022540.0	0.510713	Y
8	IC 410-250389/3	30.0	15.04914	5.0	1046299.0	0.501638	Y



Calibration / 2,6-Dichlorophenol

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

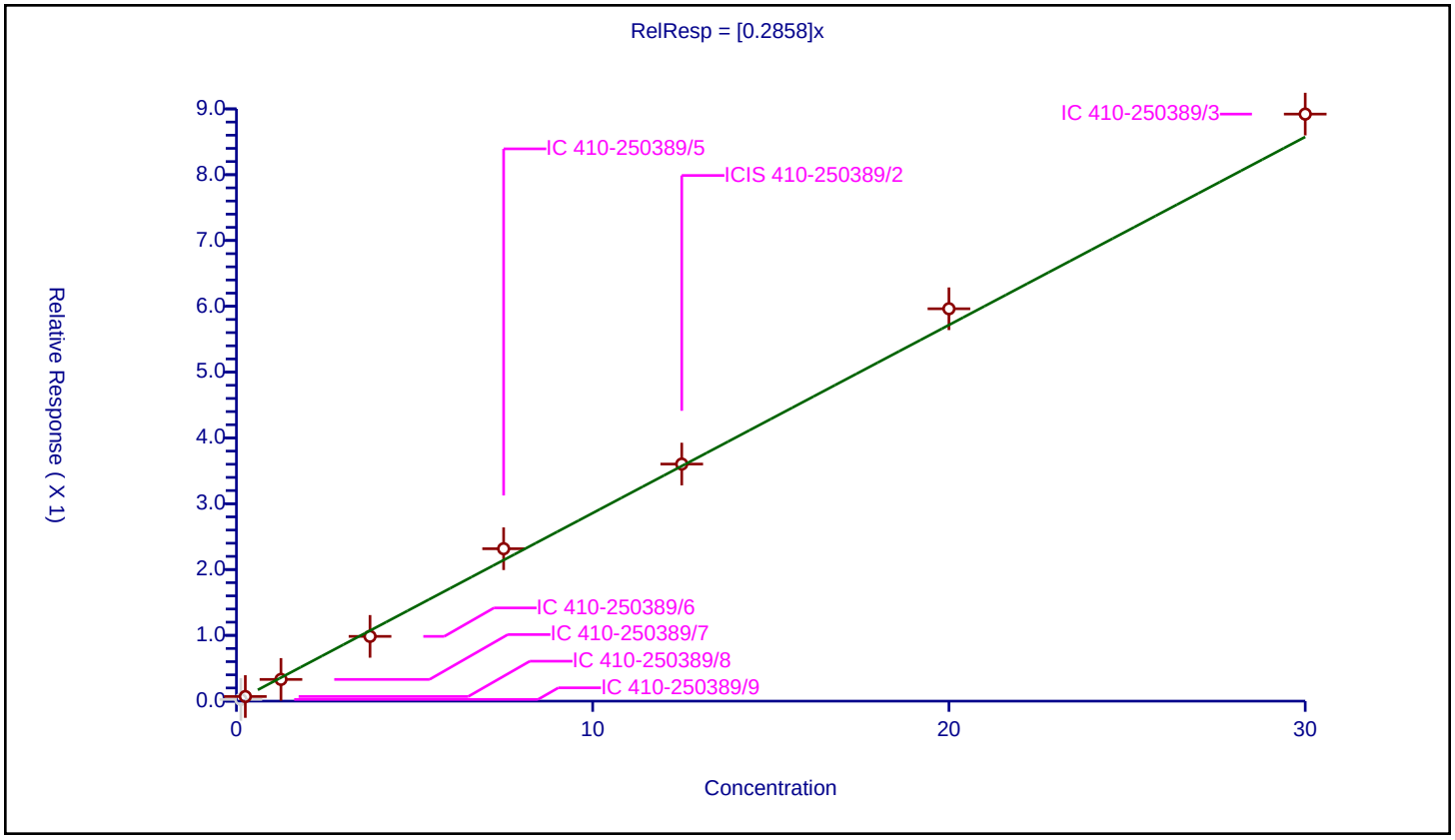
Curve Coefficients

Intercept:	0
Slope:	0.2858

Error Coefficients

Standard Error:	959000
Relative Standard Error:	6.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.026186	5.0	965978.0	0.209487	N
2	IC 410-250389/8	0.25	0.070385	5.0	1164942.0	0.281542	Y
3	IC 410-250389/7	1.25	0.330066	5.0	960581.0	0.264053	Y
4	IC 410-250389/6	3.75	0.98432	5.0	903344.0	0.262485	Y
5	IC 410-250389/5	7.5	2.316111	5.0	858862.0	0.308815	Y
6	ICIS 410-250389/2	12.5	3.602827	5.0	819247.0	0.288226	Y
7	IC 410-250389/4	20.0	5.962882	5.0	1022540.0	0.298144	Y
8	IC 410-250389/3	30.0	8.920959	5.0	1046299.0	0.297365	Y



Calibration / Hexachloropropene

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

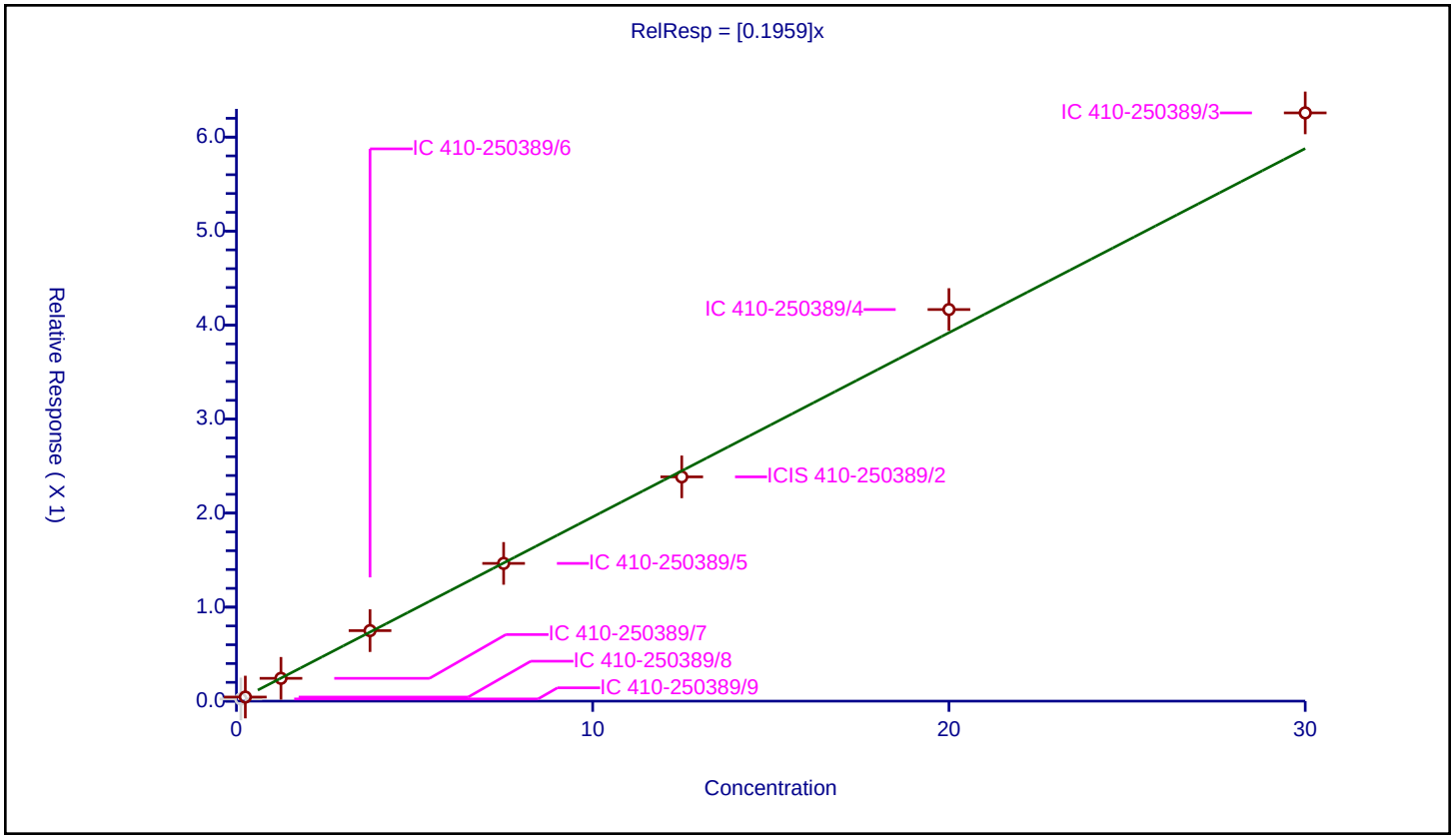
Curve Coefficients

Intercept:	0
Slope:	0.1959

Error Coefficients

Standard Error:	668000
Relative Standard Error:	6.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.023443	5.0	965978.0	0.187541	N
2	IC 410-250389/8	0.25	0.04359	5.0	1164942.0	0.174361	Y
3	IC 410-250389/7	1.25	0.242728	5.0	960581.0	0.194182	Y
4	IC 410-250389/6	3.75	0.750091	5.0	903344.0	0.200024	Y
5	IC 410-250389/5	7.5	1.465166	5.0	858862.0	0.195355	Y
6	ICIS 410-250389/2	12.5	2.385672	5.0	819247.0	0.190854	Y
7	IC 410-250389/4	20.0	4.165622	5.0	1022540.0	0.208281	Y
8	IC 410-250389/3	30.0	6.257623	5.0	1046299.0	0.208587	Y



Calibration / Hexachlorobutadiene

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

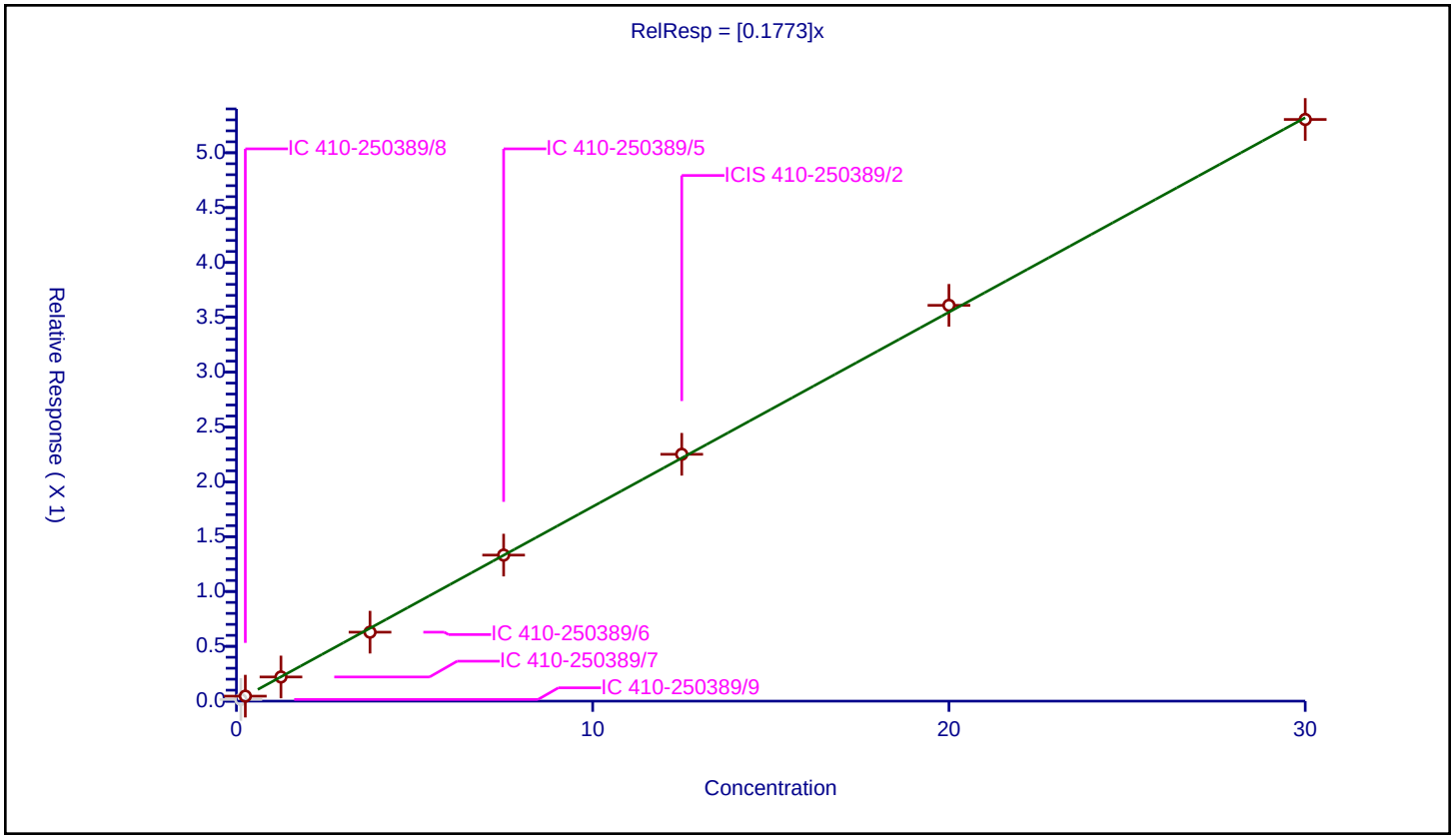
Curve Coefficients

Intercept:	0
Slope:	0.1773

Error Coefficients

Standard Error:	574000
Relative Standard Error:	2.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.015394	5.0	965978.0	0.12315	N
2	IC 410-250389/8	0.25	0.045629	5.0	1164942.0	0.182516	Y
3	IC 410-250389/7	1.25	0.220294	5.0	960581.0	0.176235	Y
4	IC 410-250389/6	3.75	0.628808	5.0	903344.0	0.167682	Y
5	IC 410-250389/5	7.5	1.331704	5.0	858862.0	0.177561	Y
6	ICIS 410-250389/2	12.5	2.25075	5.0	819247.0	0.18006	Y
7	IC 410-250389/4	20.0	3.609072	5.0	1022540.0	0.180454	Y
8	IC 410-250389/3	30.0	5.303517	5.0	1046299.0	0.176784	Y



Calibration / Quinoline

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

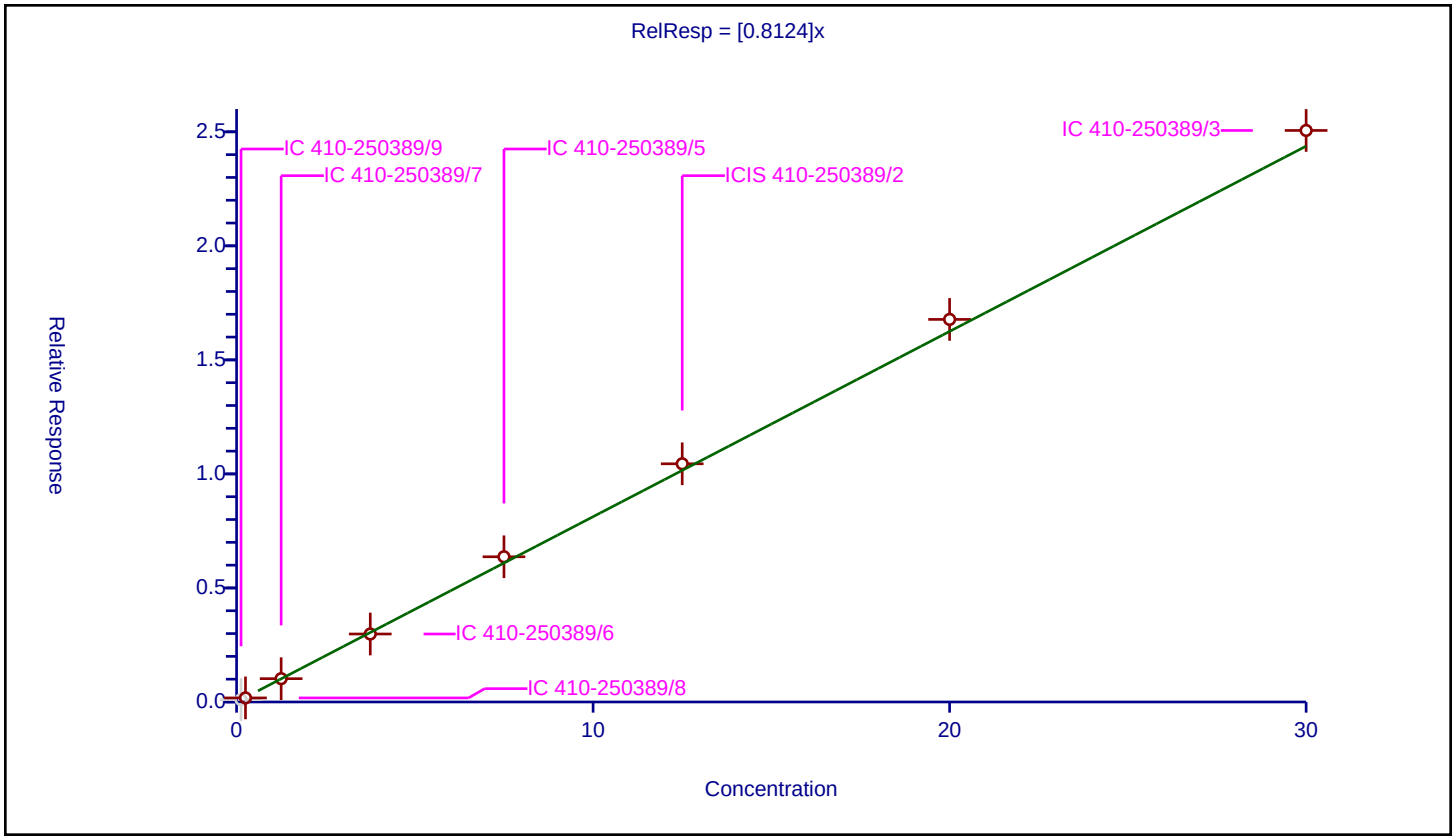
Curve Coefficients

Intercept:	0
Slope:	0.8124

Error Coefficients

Standard Error:	2700000
Relative Standard Error:	5.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.103263	5.0	965978.0	0.826106	N
2	IC 410-250389/8	0.25	0.178837	5.0	1164942.0	0.715349	Y
3	IC 410-250389/7	1.25	1.022751	5.0	960581.0	0.818201	Y
4	IC 410-250389/6	3.75	2.980509	5.0	903344.0	0.794802	Y
5	IC 410-250389/5	7.5	6.36664	5.0	858862.0	0.848885	Y
6	ICIS 410-250389/2	12.5	10.443987	5.0	819247.0	0.835519	Y
7	IC 410-250389/4	20.0	16.77486	5.0	1022540.0	0.838743	Y
8	IC 410-250389/3	30.0	25.060341	5.0	1046299.0	0.835345	Y



Calibration / Caprolactam

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

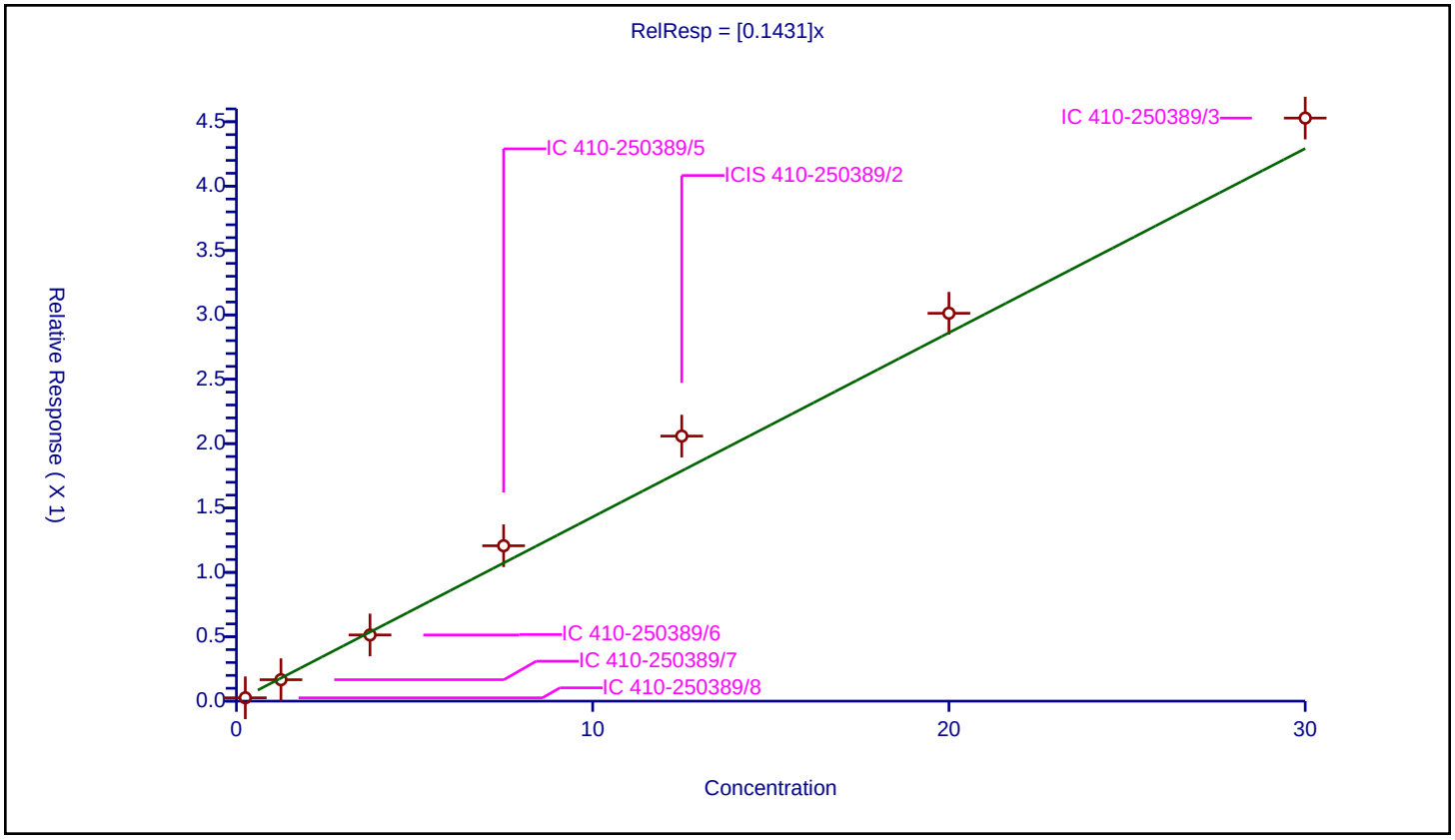
Curve Coefficients

Intercept:	0
Slope:	0.1431

Error Coefficients

Standard Error:	491000
Relative Standard Error:	14.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/8	0.25	0.025988	5.0	1164942.0	0.103954	Y
2	IC 410-250389/7	1.25	0.166488	5.0	960581.0	0.13319	Y
3	IC 410-250389/6	3.75	0.514217	5.0	903344.0	0.137125	Y
4	IC 410-250389/5	7.5	1.20683	5.0	858862.0	0.160911	Y
5	ICIS 410-250389/2	12.5	2.058726	5.0	819247.0	0.164698	Y
6	IC 410-250389/4	20.0	3.01265	5.0	1022540.0	0.150632	Y
7	IC 410-250389/3	30.0	4.528576	5.0	1046299.0	0.150953	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

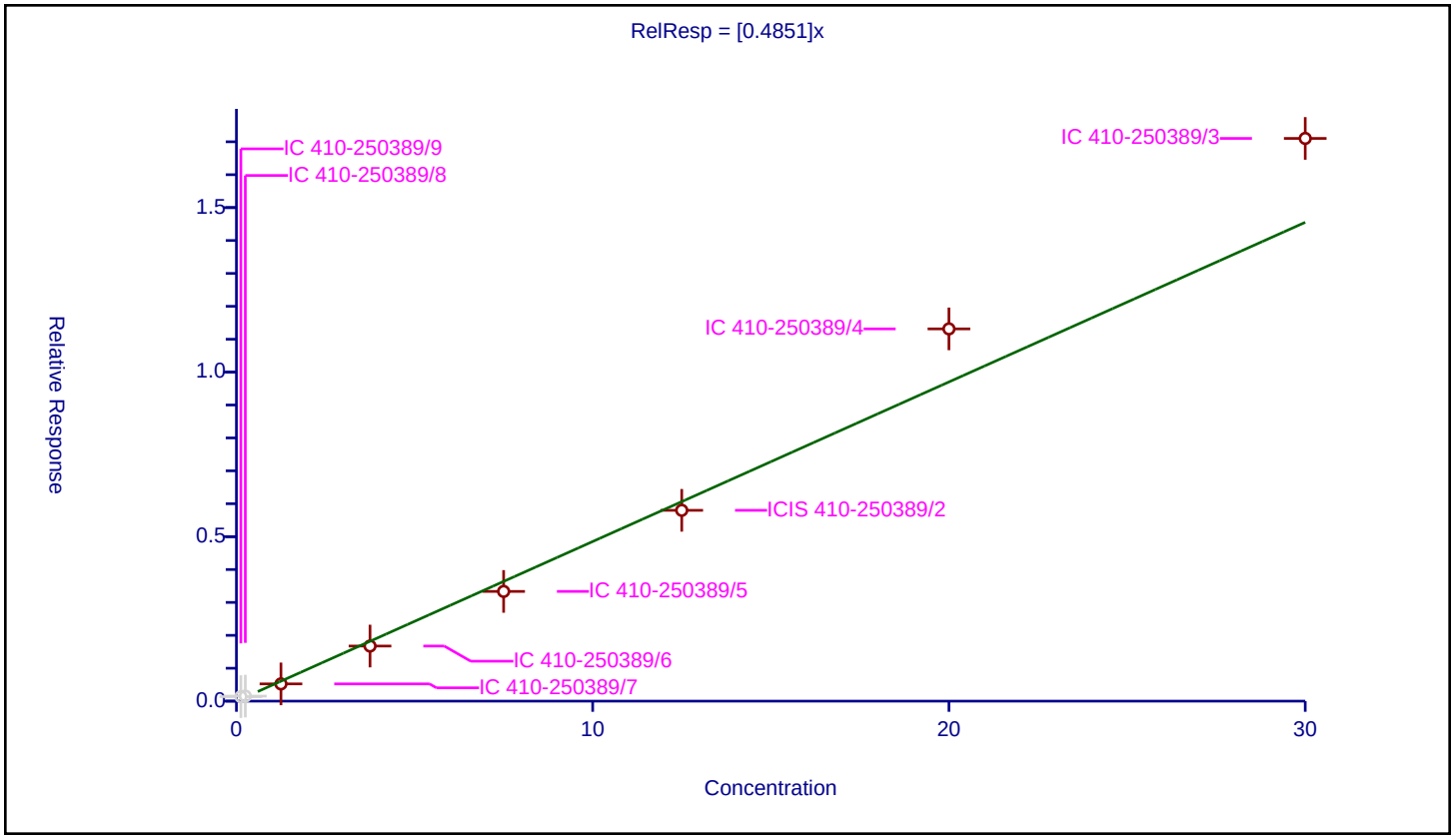
Curve Coefficients

Intercept:	0
Slope:	0.4851

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	13.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.136794	5.0	965978.0	1.094352	N
2	IC 410-250389/8	0.25	0.15254	5.0	1164942.0	0.610159	N
3	IC 410-250389/7	1.25	0.524308	5.0	960581.0	0.419446	Y
4	IC 410-250389/6	3.75	1.67475	5.0	903344.0	0.4466	Y
5	IC 410-250389/5	7.5	3.334622	5.0	858862.0	0.444616	Y
6	ICIS 410-250389/2	12.5	5.799655	5.0	819247.0	0.463972	Y
7	IC 410-250389/4	20.0	11.314042	5.0	1022540.0	0.565702	Y
8	IC 410-250389/3	30.0	17.102019	5.0	1046299.0	0.570067	Y



Calibration / p-Phenylene diamine

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

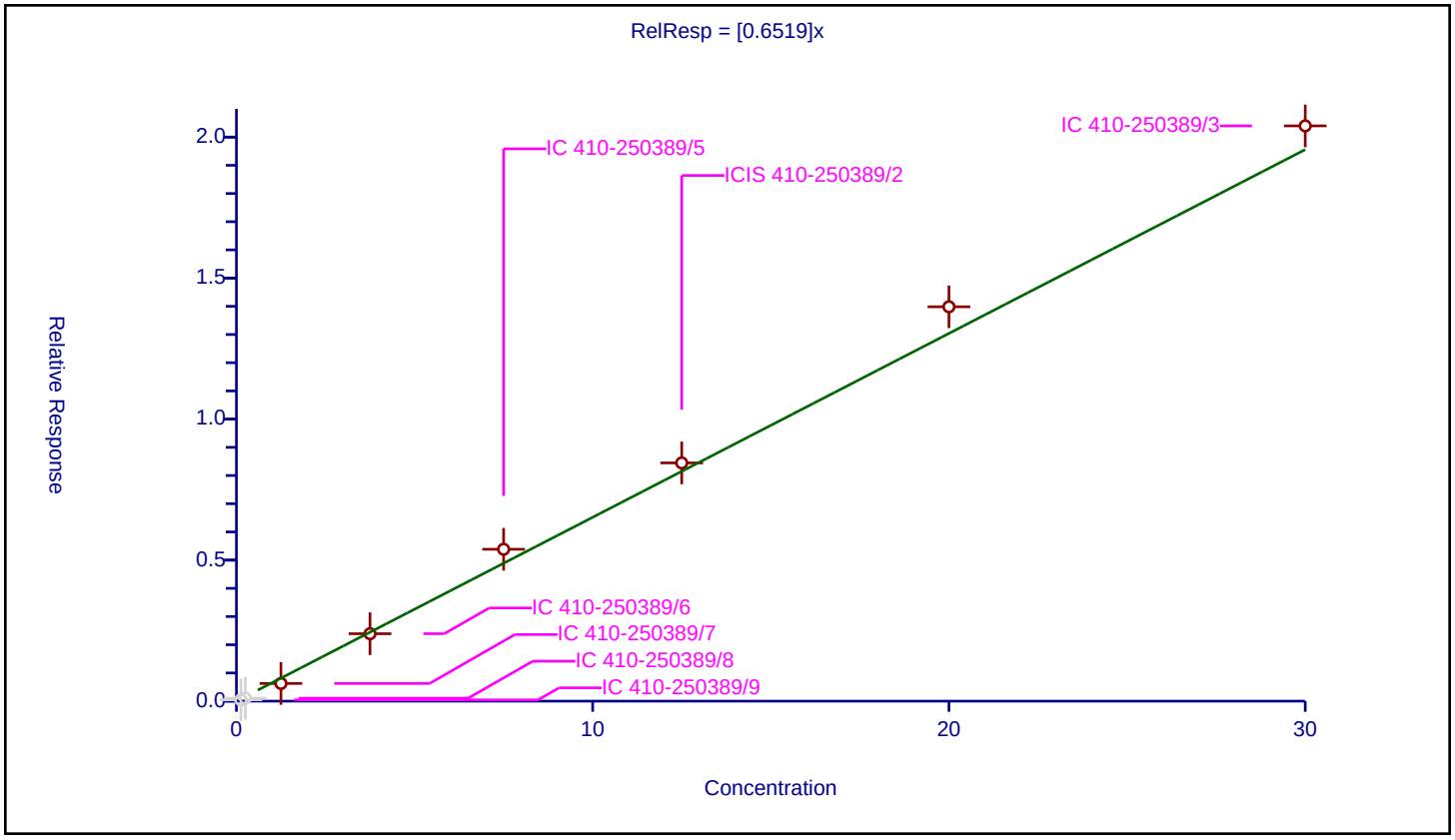
Curve Coefficients

Intercept:	0
Slope:	0.6519

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	12.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.044825	5.0	965978.0	0.3586	N
2	IC 410-250389/8	0.25	0.105001	5.0	1164942.0	0.420004	N
3	IC 410-250389/7	1.25	0.626142	5.0	960581.0	0.500914	Y
4	IC 410-250389/6	3.75	2.39085	5.0	903344.0	0.63756	Y
5	IC 410-250389/5	7.5	5.385842	5.0	858862.0	0.718112	Y
6	ICIS 410-250389/2	12.5	8.446848	5.0	819247.0	0.675748	Y
7	IC 410-250389/4	20.0	13.983218	5.0	1022540.0	0.699161	Y
8	IC 410-250389/3	30.0	20.397396	5.0	1046299.0	0.679913	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

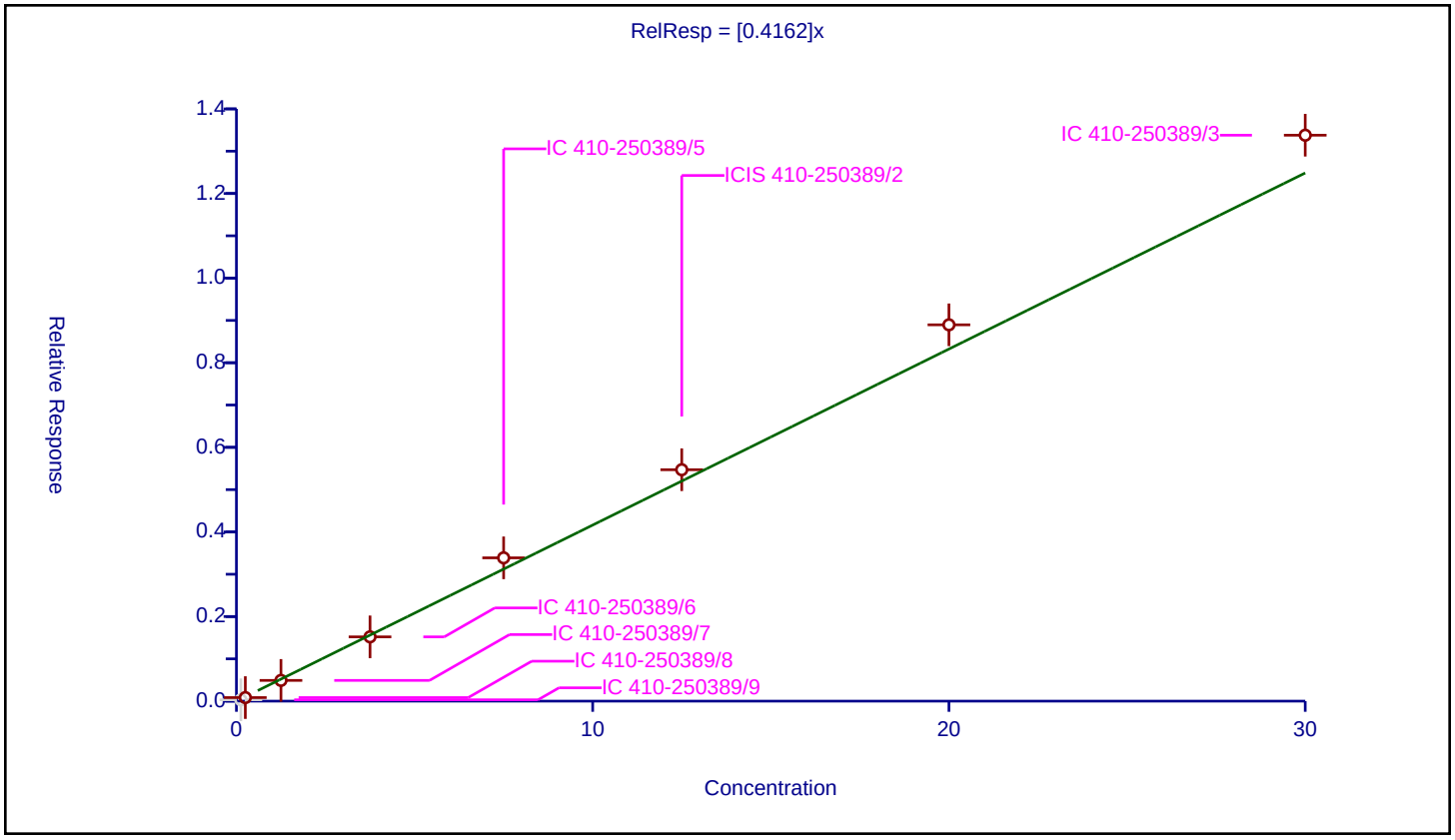
Curve Coefficients

Intercept:	0
Slope:	0.4162

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	10.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.031636	5.0	965978.0	0.253091	N
2	IC 410-250389/8	0.25	0.083961	5.0	1164942.0	0.335845	Y
3	IC 410-250389/7	1.25	0.490073	5.0	960581.0	0.392059	Y
4	IC 410-250389/6	3.75	1.51962	5.0	903344.0	0.405232	Y
5	IC 410-250389/5	7.5	3.387826	5.0	858862.0	0.45171	Y
6	ICIS 410-250389/2	12.5	5.470493	5.0	819247.0	0.437639	Y
7	IC 410-250389/4	20.0	8.895848	5.0	1022540.0	0.444792	Y
8	IC 410-250389/3	30.0	13.377921	5.0	1046299.0	0.445931	Y



Calibration / Safrole, Total

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

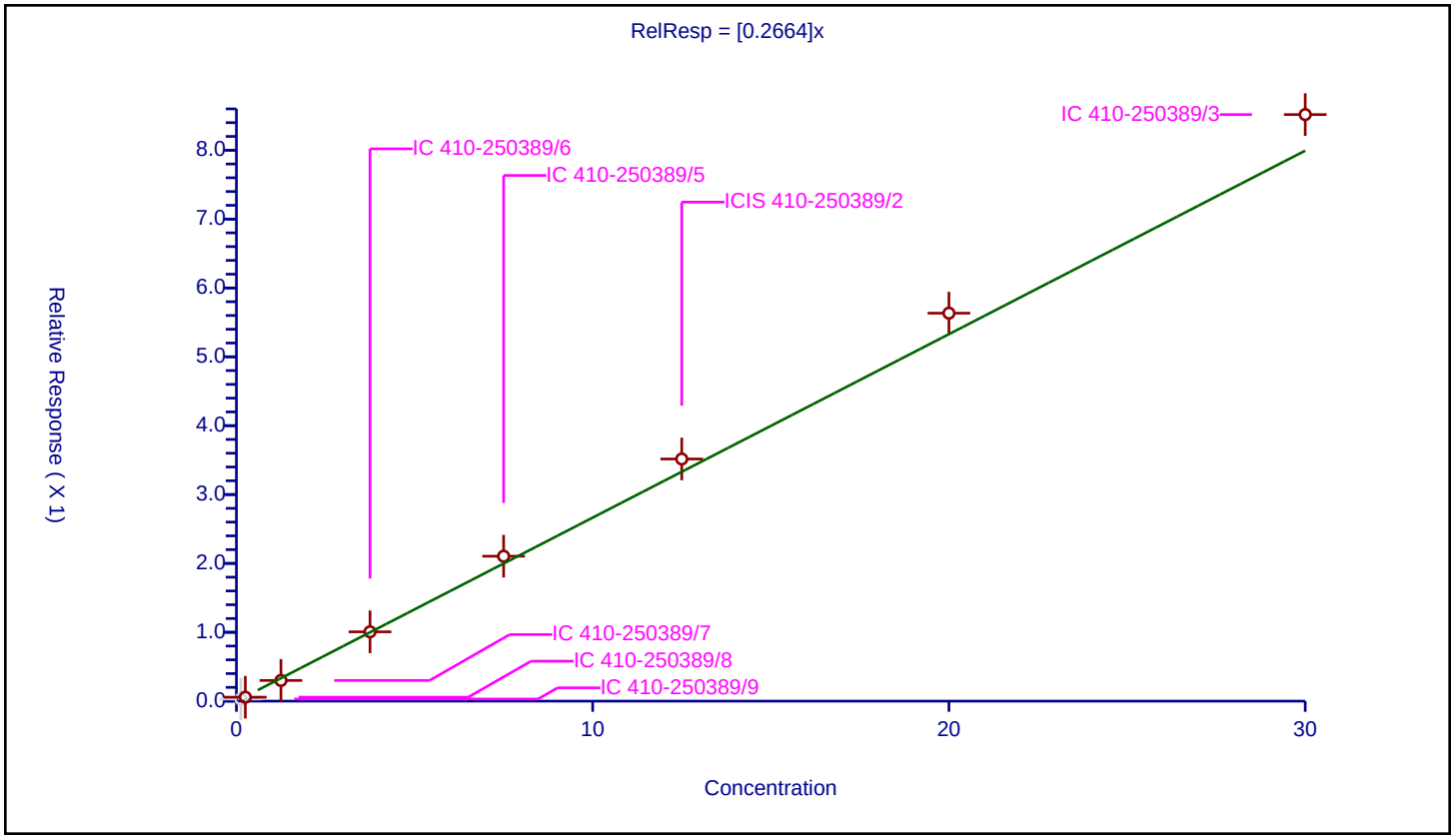
Curve Coefficients

Intercept:	0
Slope:	0.2664

Error Coefficients

Standard Error:	913000
Relative Standard Error:	8.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.030834	5.0	965978.0	0.246672	N
2	IC 410-250389/8	0.25	0.05726	5.0	1164942.0	0.229041	Y
3	IC 410-250389/7	1.25	0.300188	5.0	960581.0	0.24015	Y
4	IC 410-250389/6	3.75	1.006638	5.0	903344.0	0.268437	Y
5	IC 410-250389/5	7.5	2.104436	5.0	858862.0	0.280591	Y
6	ICIS 410-250389/2	12.5	3.515985	5.0	819247.0	0.281279	Y
7	IC 410-250389/4	20.0	5.633701	5.0	1022540.0	0.281685	Y
8	IC 410-250389/3	30.0	8.51714	5.0	1046299.0	0.283905	Y



Calibration / 2-Methylnaphthalene

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

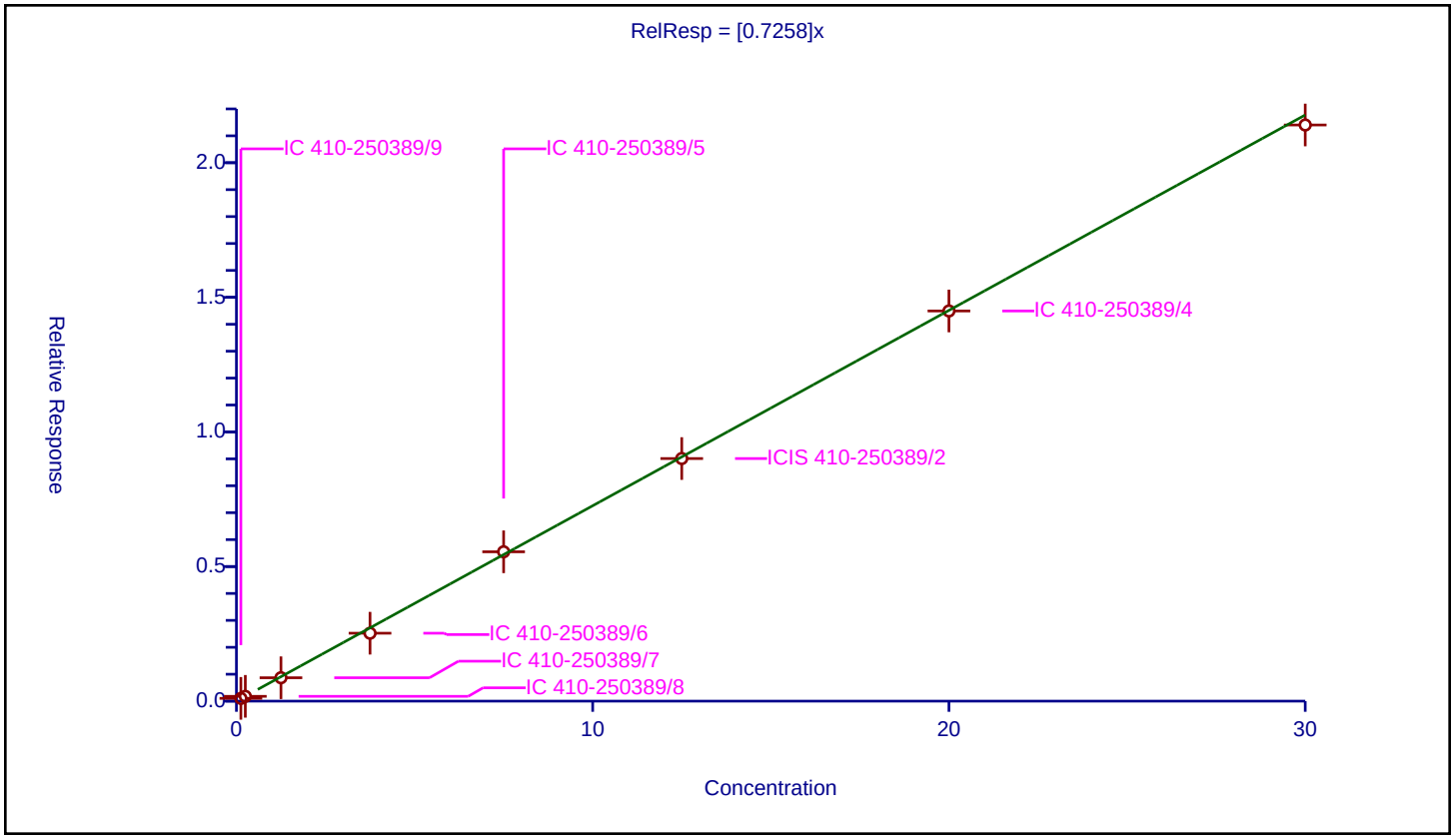
Curve Coefficients

Intercept:	0
Slope:	0.7258

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	6.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.103263	5.0	965978.0	0.826106	Y
2	IC 410-250389/8	0.25	0.178279	5.0	1164942.0	0.713117	Y
3	IC 410-250389/7	1.25	0.869417	5.0	960581.0	0.695533	Y
4	IC 410-250389/6	3.75	2.522987	5.0	903344.0	0.672796	Y
5	IC 410-250389/5	7.5	5.547701	5.0	858862.0	0.739694	Y
6	ICIS 410-250389/2	12.5	9.011415	5.0	819247.0	0.720913	Y
7	IC 410-250389/4	20.0	14.494113	5.0	1022540.0	0.724706	Y
8	IC 410-250389/3	30.0	21.402281	5.0	1046299.0	0.713409	Y



Calibration / 1-Methylnaphthalene

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

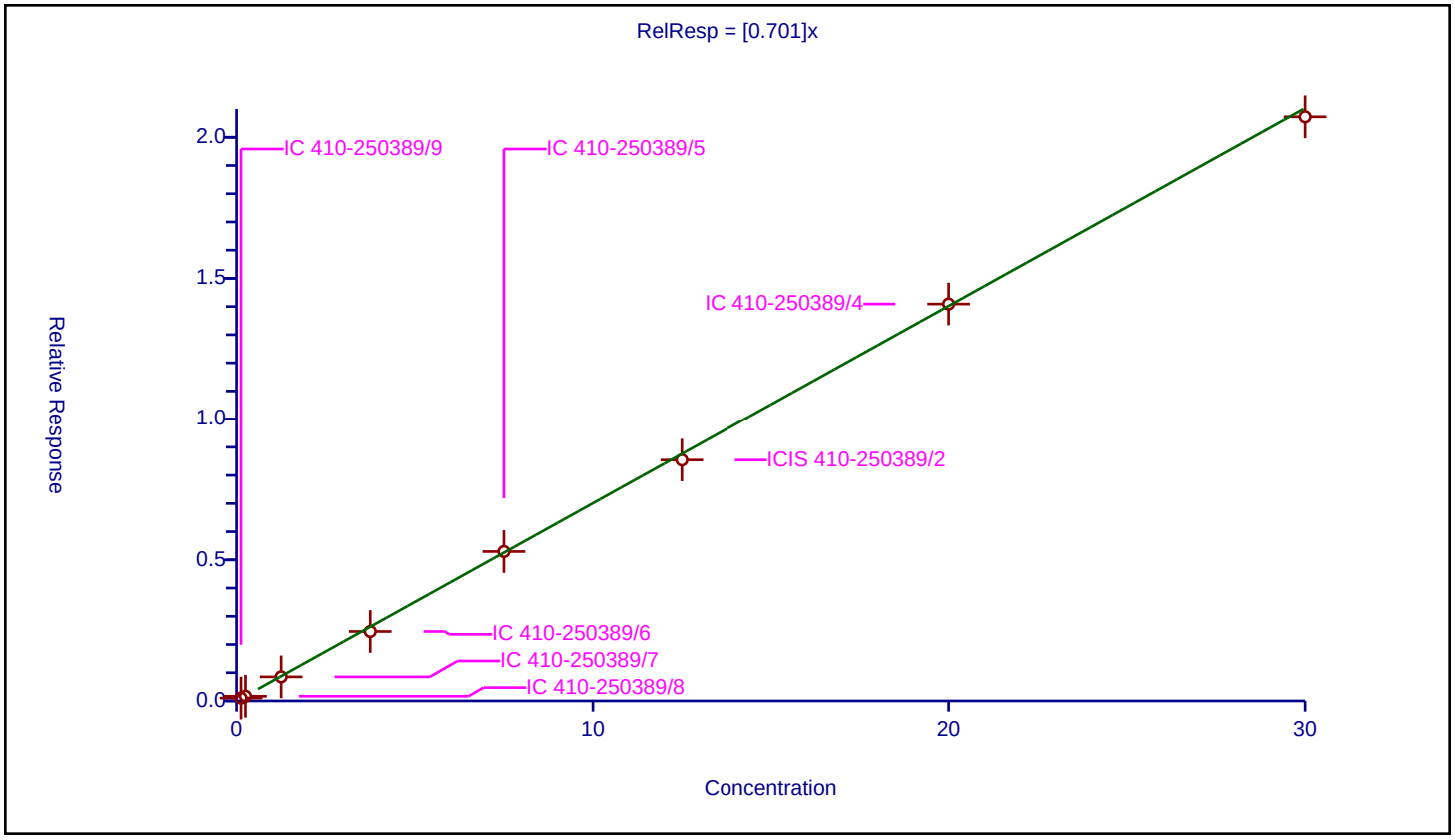
Curve Coefficients

Intercept:	0
Slope:	0.701

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	7.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.101938	5.0	965978.0	0.815505	Y
2	IC 410-250389/8	0.25	0.167124	5.0	1164942.0	0.668497	Y
3	IC 410-250389/7	1.25	0.853452	5.0	960581.0	0.682762	Y
4	IC 410-250389/6	3.75	2.461637	5.0	903344.0	0.656437	Y
5	IC 410-250389/5	7.5	5.29648	5.0	858862.0	0.706197	Y
6	ICIS 410-250389/2	12.5	8.545494	5.0	819247.0	0.683639	Y
7	IC 410-250389/4	20.0	14.090236	5.0	1022540.0	0.704512	Y
8	IC 410-250389/3	30.0	20.724238	5.0	1046299.0	0.690808	Y



Calibration / Hexachlorocyclopentadiene

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

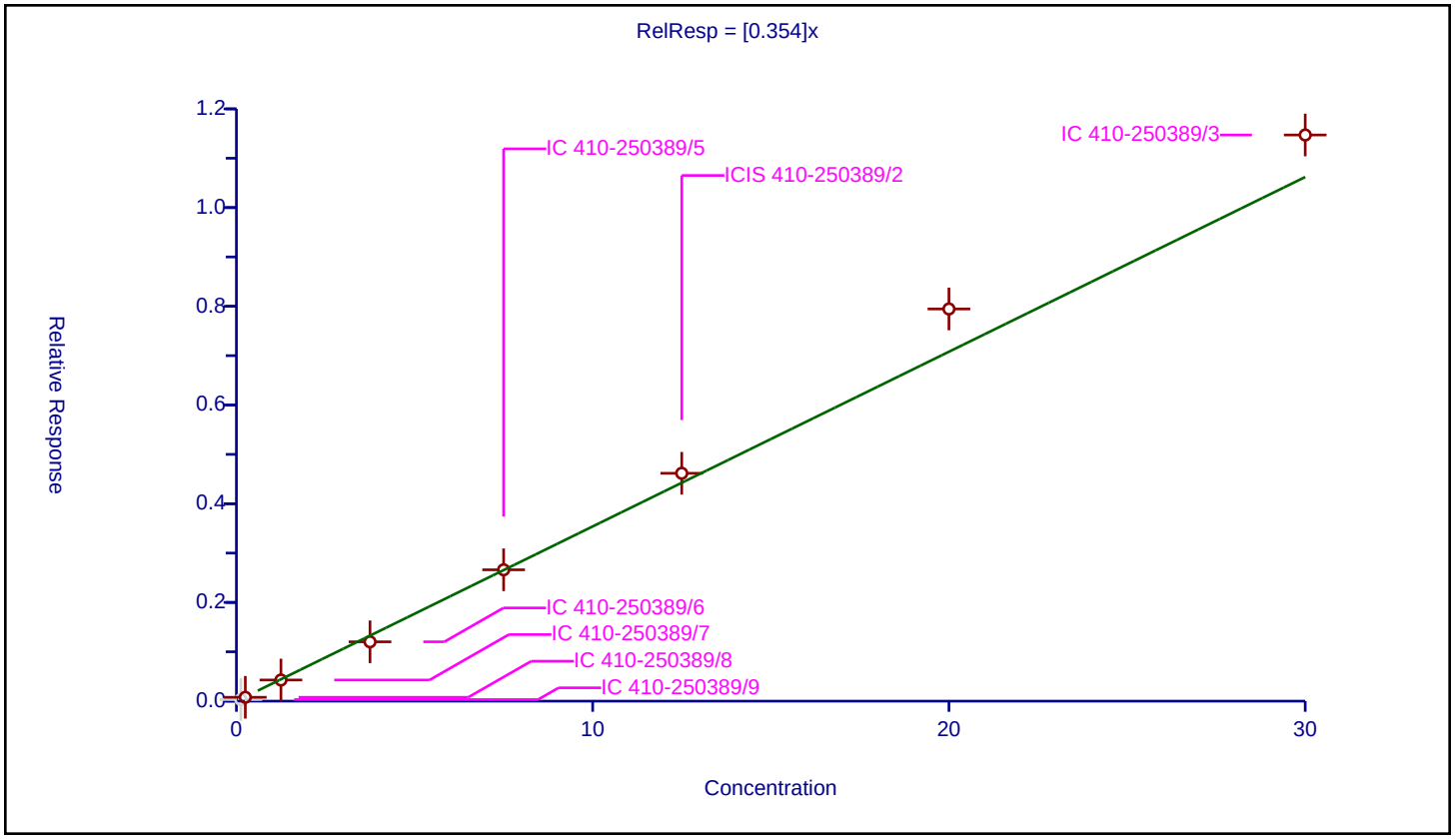
Curve Coefficients

Intercept:	0
Slope:	0.354

Error Coefficients

Standard Error:	721000
Relative Standard Error:	8.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.032256	5.0	571826.0	0.258051	N
2	IC 410-250389/8	0.25	0.077735	5.0	673312.0	0.310941	Y
3	IC 410-250389/7	1.25	0.428211	5.0	577857.0	0.342569	Y
4	IC 410-250389/6	3.75	1.201926	5.0	545774.0	0.320514	Y
5	IC 410-250389/5	7.5	2.661127	5.0	521886.0	0.354817	Y
6	ICIS 410-250389/2	12.5	4.616919	5.0	477406.0	0.369354	Y
7	IC 410-250389/4	20.0	7.946037	5.0	580125.0	0.397302	Y
8	IC 410-250389/3	30.0	11.470941	5.0	613325.0	0.382365	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

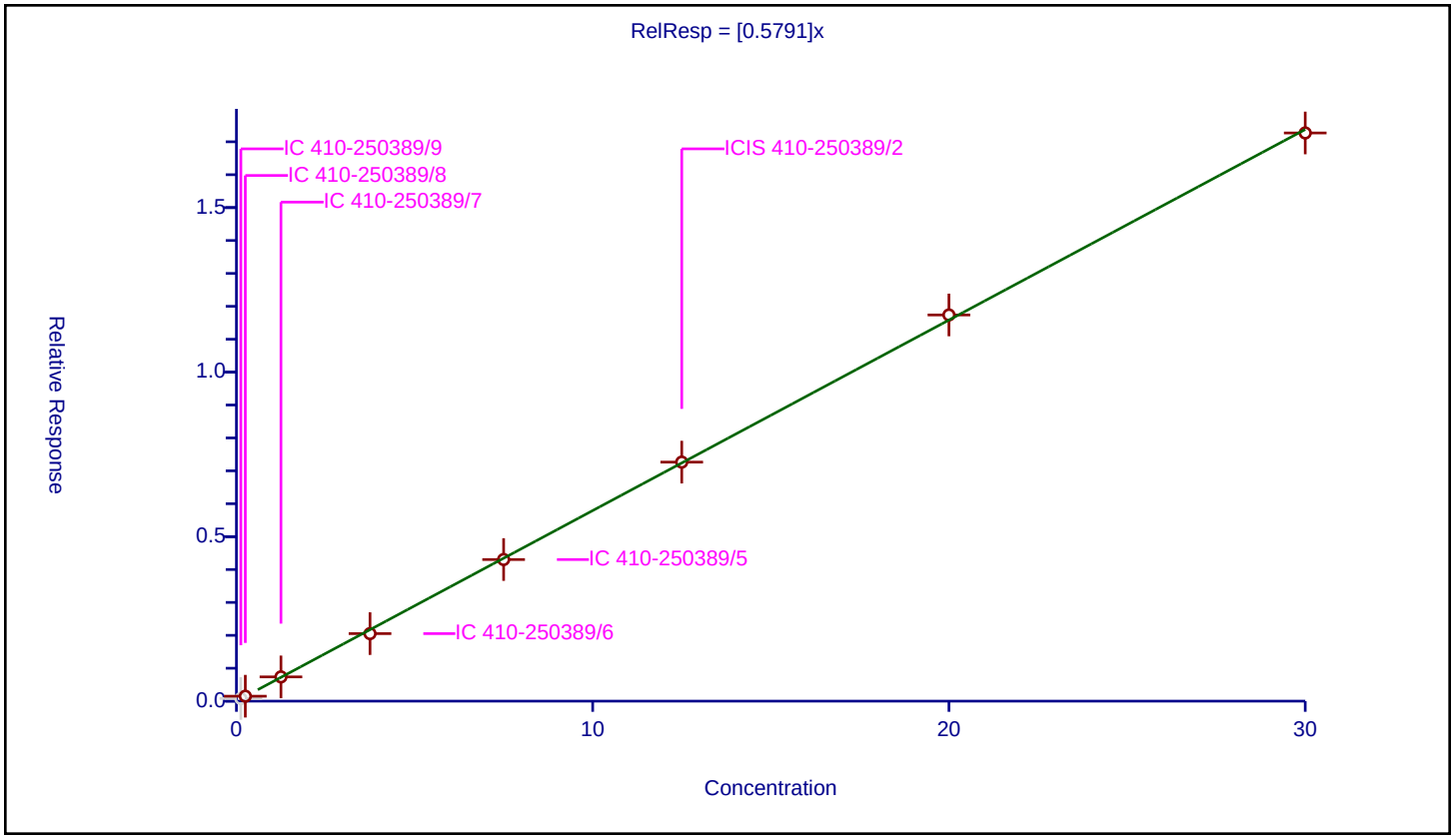
Curve Coefficients

Intercept:	0
Slope:	0.5791

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	2.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.080846	5.0	571826.0	0.64677	N
2	IC 410-250389/8	0.25	0.149841	5.0	673312.0	0.599366	Y
3	IC 410-250389/7	1.25	0.737362	5.0	577857.0	0.58989	Y
4	IC 410-250389/6	3.75	2.052086	5.0	545774.0	0.547223	Y
5	IC 410-250389/5	7.5	4.30367	5.0	521886.0	0.573823	Y
6	ICIS 410-250389/2	12.5	7.264571	5.0	477406.0	0.581166	Y
7	IC 410-250389/4	20.0	11.737151	5.0	580125.0	0.586858	Y
8	IC 410-250389/3	30.0	17.268259	5.0	613325.0	0.575609	Y



Calibration / Isosafrole Peak 1

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

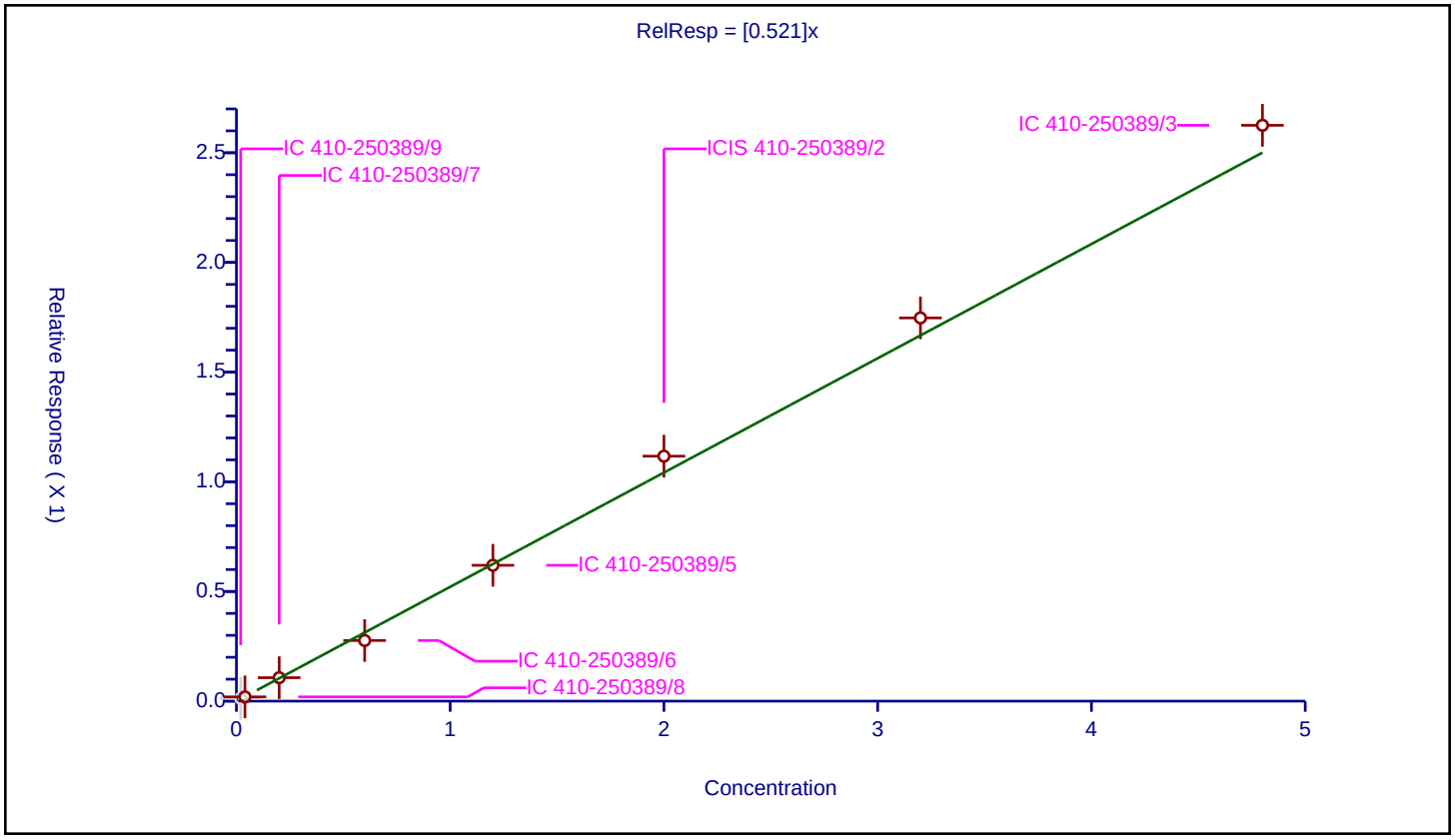
Curve Coefficients

Intercept:	0
Slope:	0.521

Error Coefficients

Standard Error:	164000
Relative Standard Error:	7.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.02	0.012827	5.0	571826.0	0.641366	N
2	IC 410-250389/8	0.04	0.01936	5.0	673312.0	0.483988	Y
3	IC 410-250389/7	0.2	0.106956	5.0	577857.0	0.534778	Y
4	IC 410-250389/6	0.6	0.276451	5.0	545774.0	0.460752	Y
5	IC 410-250389/5	1.2	0.619359	5.0	521886.0	0.516133	Y
6	ICIS 410-250389/2	2.0	1.116817	5.0	477406.0	0.558408	Y
7	IC 410-250389/4	3.2	1.747037	5.0	580125.0	0.545949	Y
8	IC 410-250389/3	4.8	2.625174	5.0	613325.0	0.546911	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

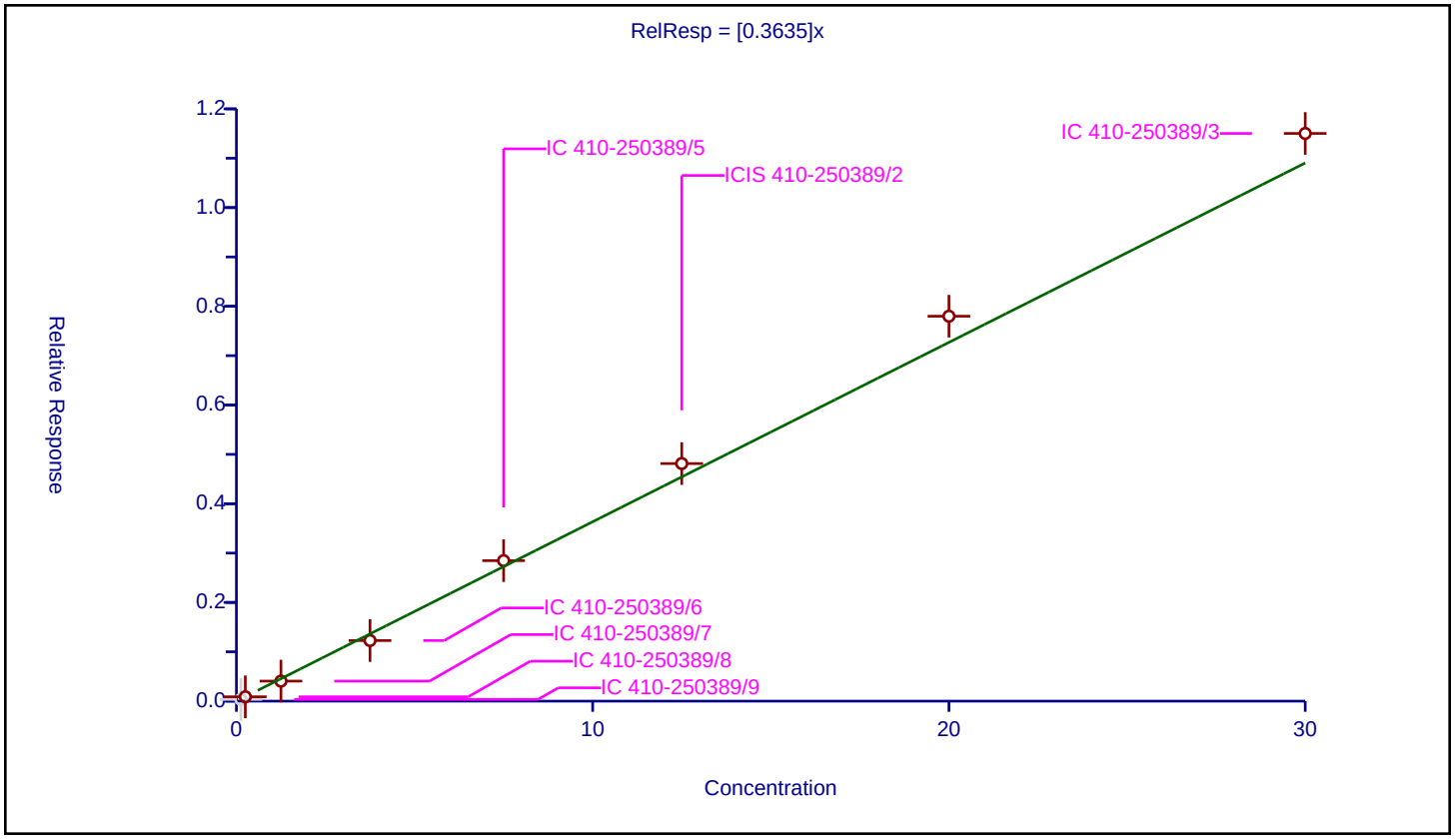
Curve Coefficients

Intercept:	0
Slope:	0.3635

Error Coefficients

Standard Error:	722000
Relative Standard Error:	7.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.035544	5.0	571826.0	0.284352	N
2	IC 410-250389/8	0.25	0.088503	5.0	673312.0	0.354011	Y
3	IC 410-250389/7	1.25	0.405879	5.0	577857.0	0.324703	Y
4	IC 410-250389/6	3.75	1.227898	5.0	545774.0	0.32744	Y
5	IC 410-250389/5	7.5	2.846781	5.0	521886.0	0.379571	Y
6	ICIS 410-250389/2	12.5	4.814162	5.0	477406.0	0.385133	Y
7	IC 410-250389/4	20.0	7.799121	5.0	580125.0	0.389956	Y
8	IC 410-250389/3	30.0	11.502238	5.0	613325.0	0.383408	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

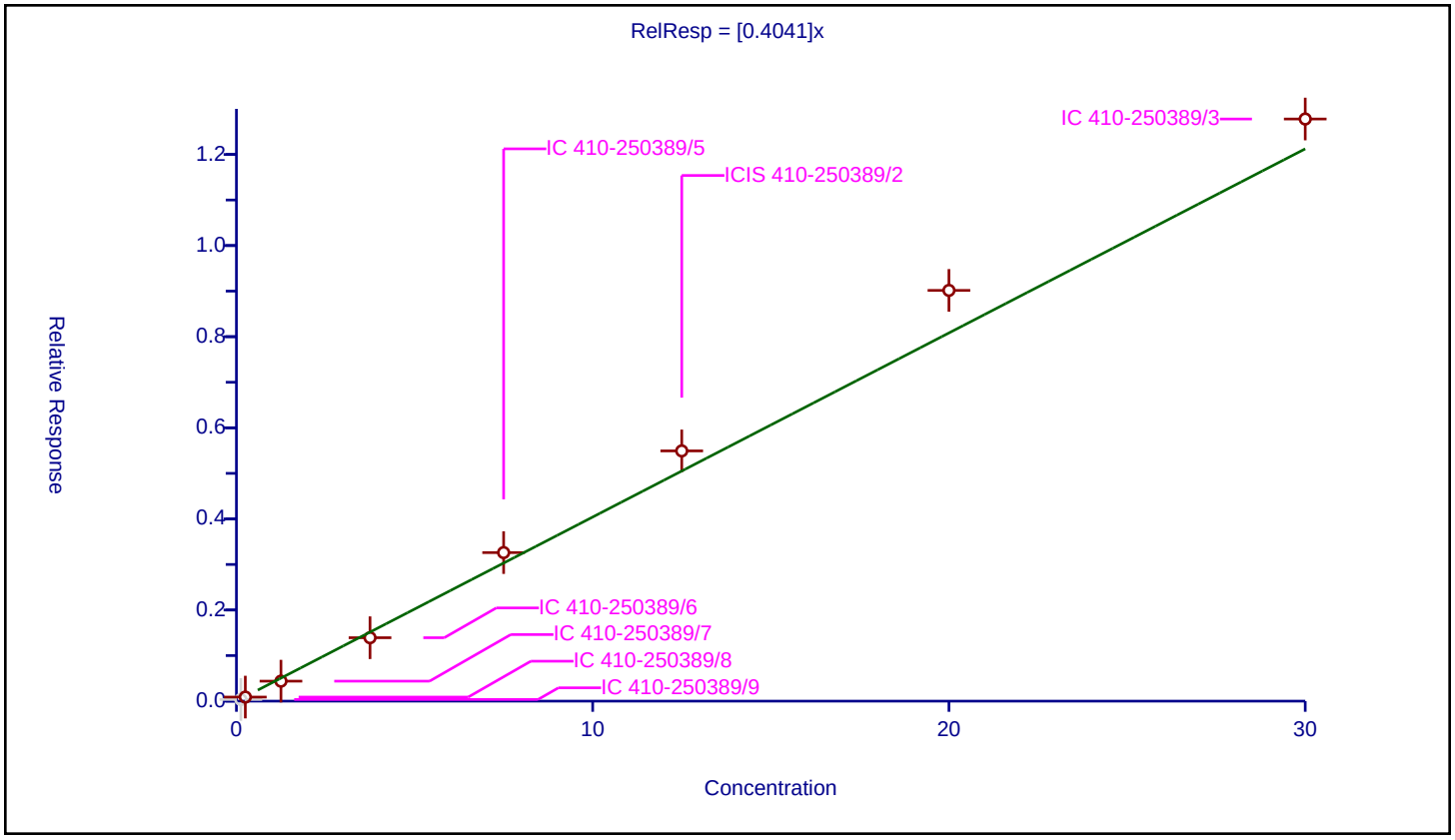
Curve Coefficients

Intercept:	0
Slope:	0.4041

Error Coefficients

Standard Error:	813000
Relative Standard Error:	10.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.036322	5.0	571826.0	0.290578	N
2	IC 410-250389/8	0.25	0.088874	5.0	673312.0	0.355496	Y
3	IC 410-250389/7	1.25	0.43882	5.0	577857.0	0.351056	Y
4	IC 410-250389/6	3.75	1.392197	5.0	545774.0	0.371253	Y
5	IC 410-250389/5	7.5	3.260703	5.0	521886.0	0.43476	Y
6	ICIS 410-250389/2	12.5	5.49282	5.0	477406.0	0.439426	Y
7	IC 410-250389/4	20.0	9.015928	5.0	580125.0	0.450796	Y
8	IC 410-250389/3	30.0	12.777907	5.0	613325.0	0.42593	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

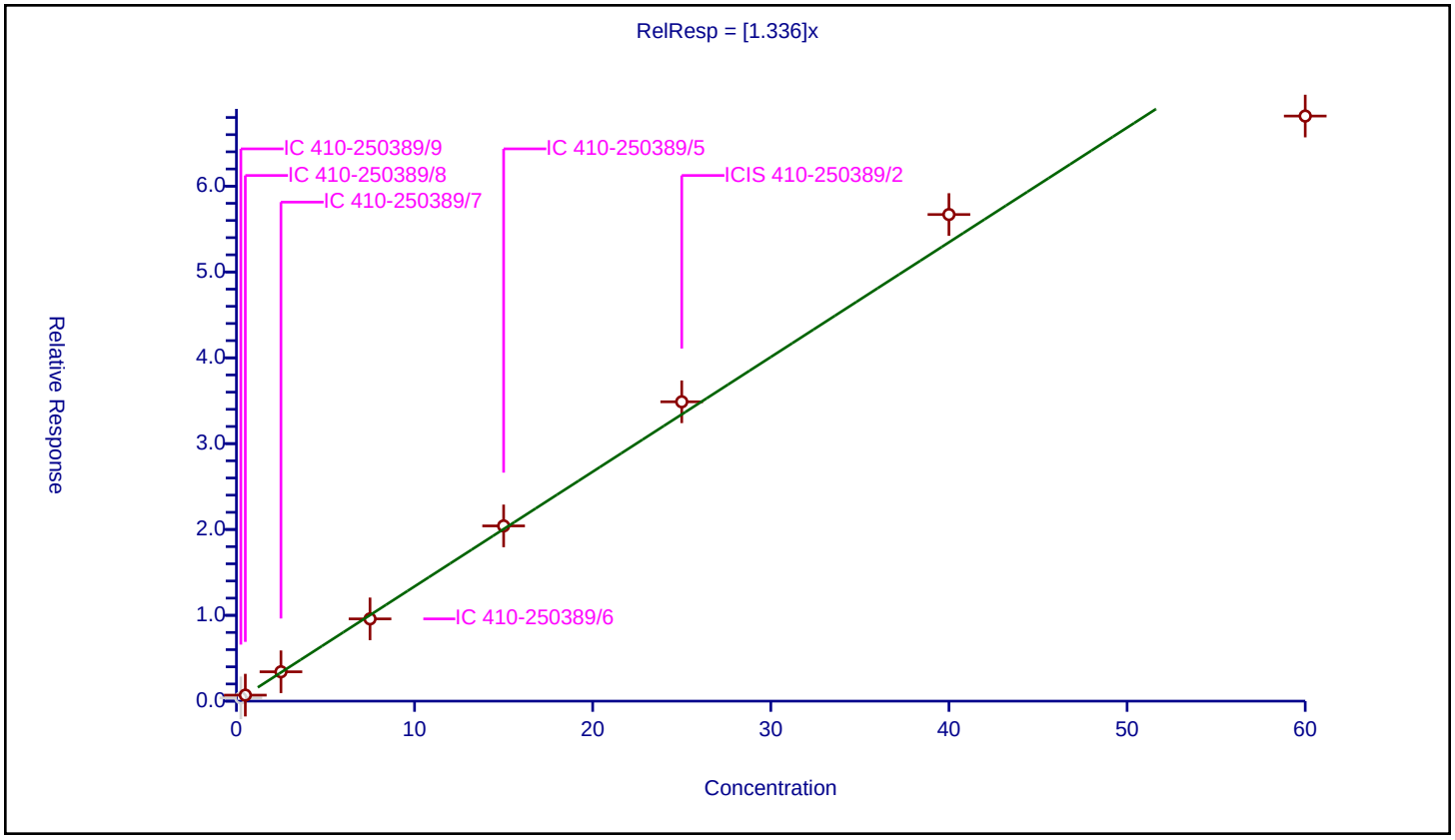
Curve Coefficients

Intercept:	0
Slope:	1.336

Error Coefficients

Standard Error:	4660000
Relative Standard Error:	7.4
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.383403	5.0	571826.0	1.533613	N
2	IC 410-250389/8	0.5	0.69949	5.0	673312.0	1.39898	Y
3	IC 410-250389/7	2.5	3.420535	5.0	577857.0	1.368214	Y
4	IC 410-250389/6	7.5	9.584691	5.0	545774.0	1.277959	Y
5	IC 410-250389/5	15.0	20.415397	5.0	521886.0	1.361026	Y
6	ICIS 410-250389/2	25.0	34.875441	5.0	477406.0	1.395018	Y
7	IC 410-250389/4	40.0	56.692756	5.0	580125.0	1.417319	Y
8	IC 410-250389/3	60.0	68.168793	5.0	613325.0	1.136147	Y



Calibration / Isosafrole Peak 2

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

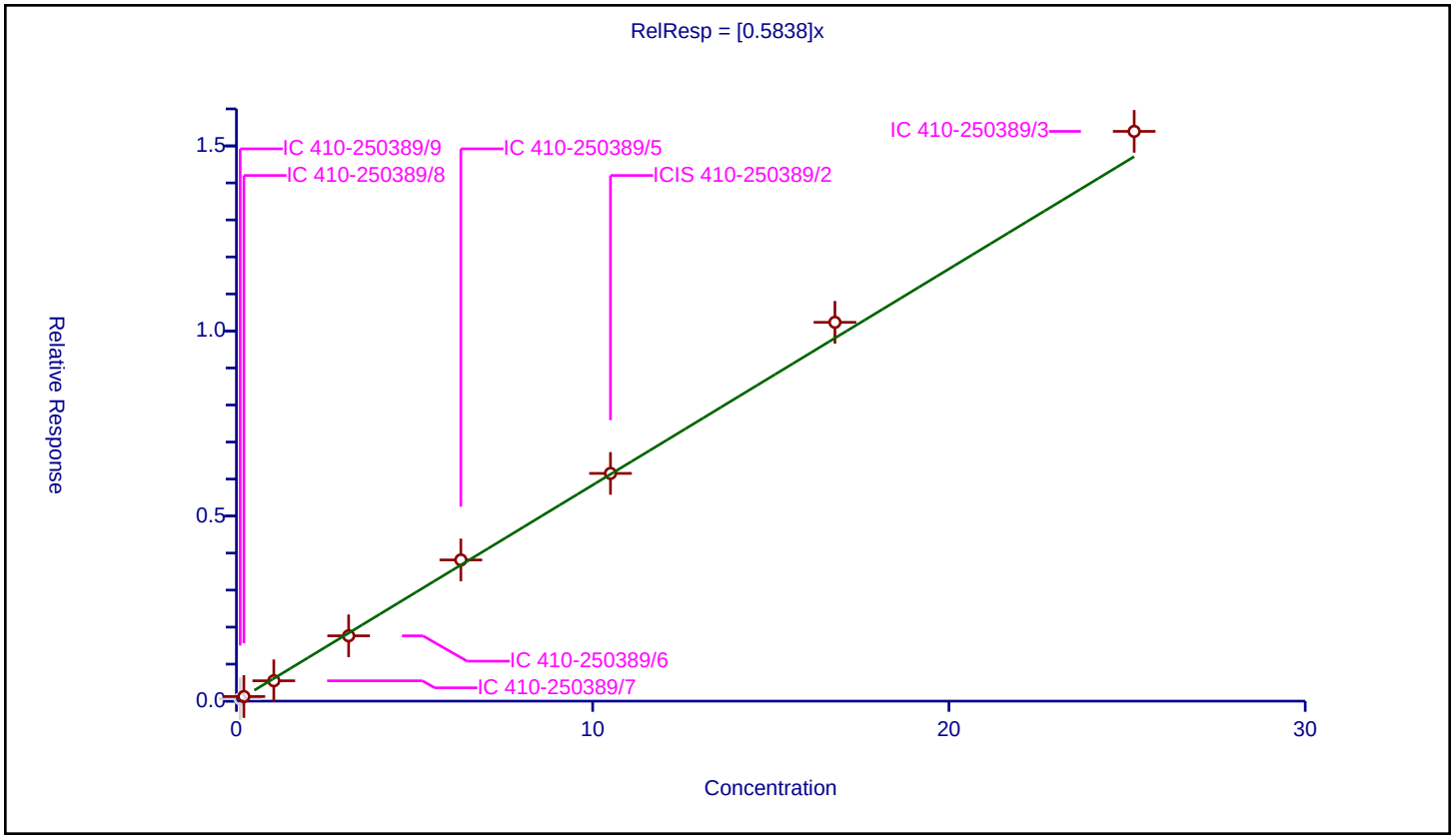
Curve Coefficients

Intercept:	0
Slope:	0.5838

Error Coefficients

Standard Error:	959000
Relative Standard Error:	5.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.105	0.063769	5.0	571826.0	0.607328	N
2	IC 410-250389/8	0.21	0.124133	5.0	673312.0	0.591108	Y
3	IC 410-250389/7	1.05	0.54998	5.0	577857.0	0.523791	Y
4	IC 410-250389/6	3.15	1.764522	5.0	545774.0	0.560166	Y
5	IC 410-250389/5	6.3	3.814655	5.0	521886.0	0.605501	Y
6	ICIS 410-250389/2	10.5	6.152279	5.0	477406.0	0.585931	Y
7	IC 410-250389/4	16.8	10.234096	5.0	580125.0	0.609172	Y
8	IC 410-250389/3	25.2	15.392712	5.0	613325.0	0.610822	Y



Calibration / 1,1'-Biphenyl

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

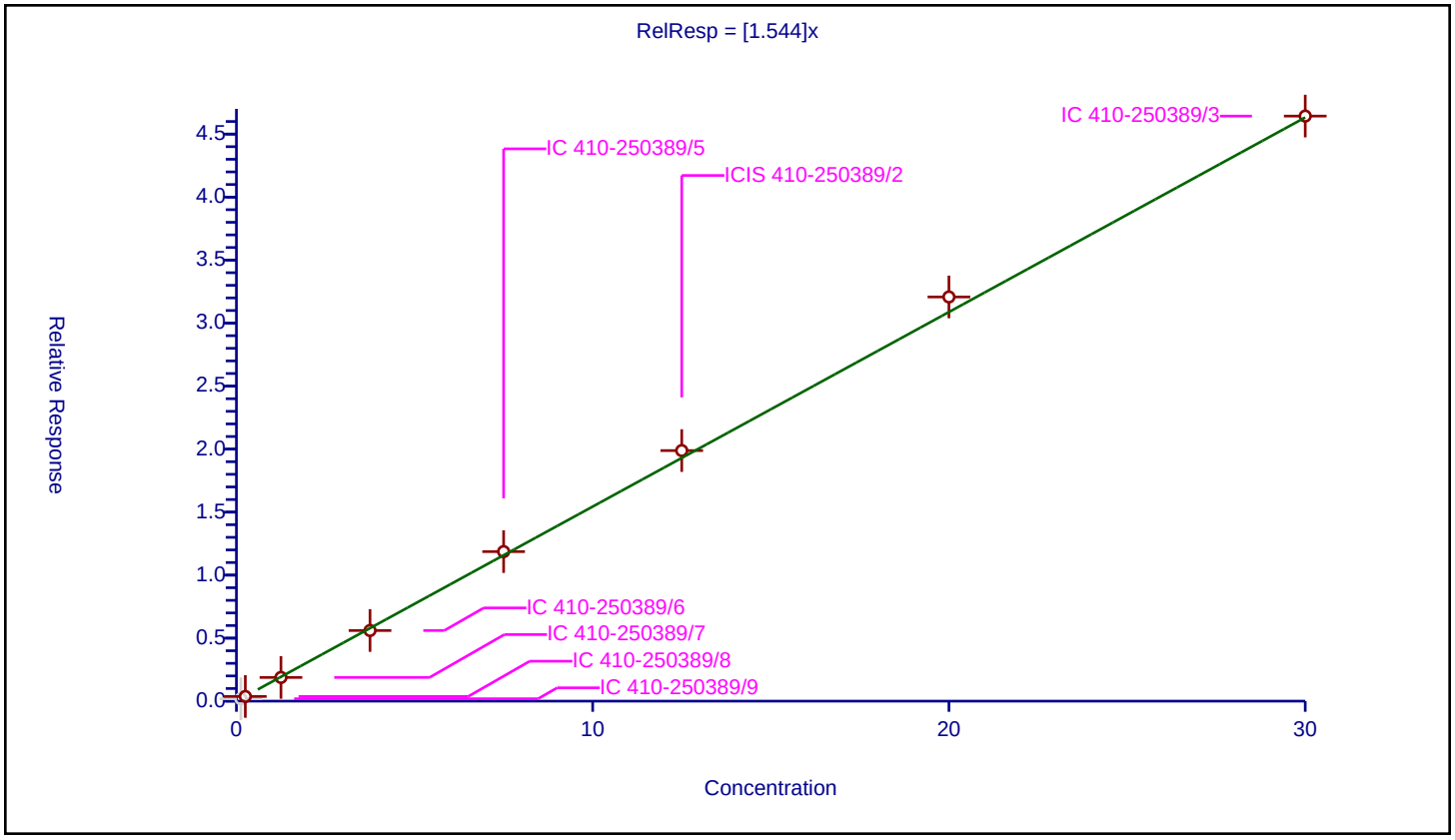
Curve Coefficients

Intercept:	0
Slope:	1.544

Error Coefficients

Standard Error:	2940000
Relative Standard Error:	3.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.188361	5.0	571826.0	1.506892	N
2	IC 410-250389/8	0.25	0.371381	5.0	673312.0	1.485522	Y
3	IC 410-250389/7	1.25	1.879055	5.0	577857.0	1.503244	Y
4	IC 410-250389/6	3.75	5.604701	5.0	545774.0	1.494587	Y
5	IC 410-250389/5	7.5	11.866768	5.0	521886.0	1.582236	Y
6	ICIS 410-250389/2	12.5	19.885045	5.0	477406.0	1.590804	Y
7	IC 410-250389/4	20.0	32.074674	5.0	580125.0	1.603734	Y
8	IC 410-250389/3	30.0	46.429136	5.0	613325.0	1.547638	Y



Calibration / 2-Chloronaphthalene

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

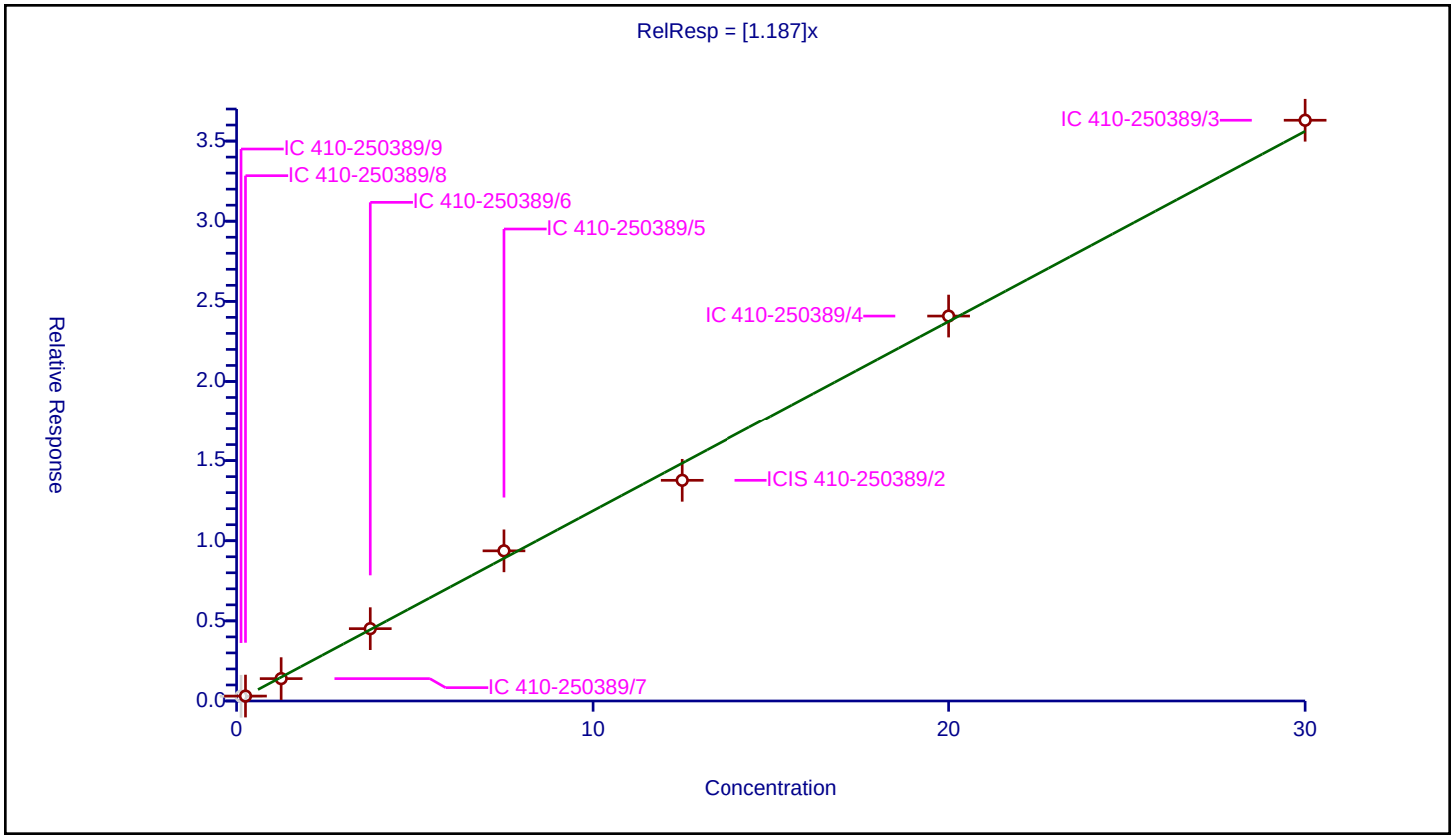
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	4.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.294119	5.0	571826.0	2.352954	N
2	IC 410-250389/8	0.25	0.306277	5.0	673312.0	1.225108	Y
3	IC 410-250389/7	1.25	1.395112	5.0	577857.0	1.116089	Y
4	IC 410-250389/6	3.75	4.512985	5.0	545774.0	1.203463	Y
5	IC 410-250389/5	7.5	9.368952	5.0	521886.0	1.249194	Y
6	ICIS 410-250389/2	12.5	13.770386	5.0	477406.0	1.101631	Y
7	IC 410-250389/4	20.0	24.081327	5.0	580125.0	1.204066	Y
8	IC 410-250389/3	30.0	36.299311	5.0	613325.0	1.209977	Y



Calibration / 1-Chloronaphthalene

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

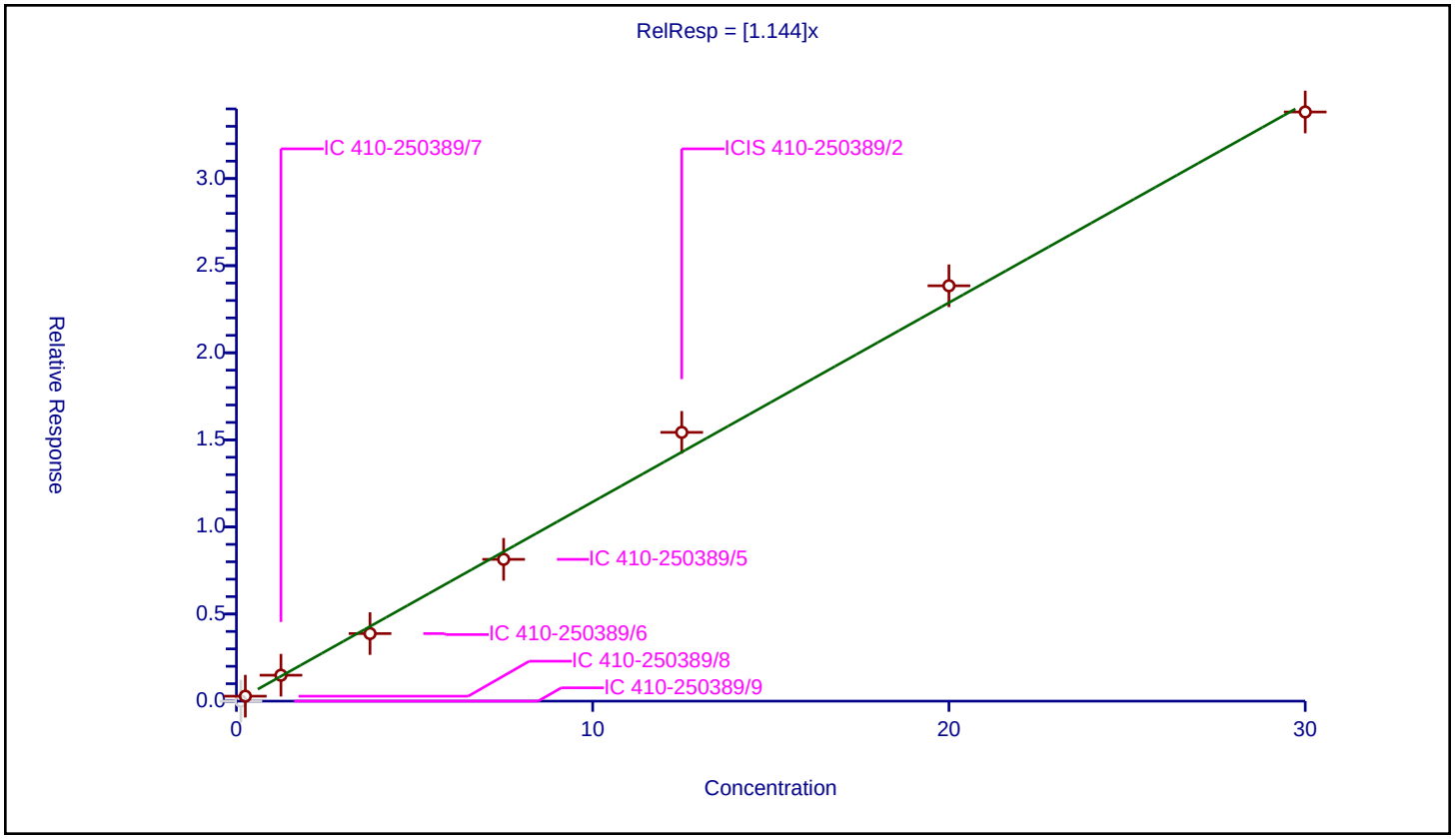
Curve Coefficients

Intercept:	0
Slope:	1.144

Error Coefficients

Standard Error:	2160000
Relative Standard Error:	6.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.0	5.0	571826.0	0.0	N
2	IC 410-250389/8	0.25	0.285499	5.0	673312.0	1.141997	Y
3	IC 410-250389/7	1.25	1.488058	5.0	577857.0	1.190447	Y
4	IC 410-250389/6	3.75	3.879197	5.0	545774.0	1.034453	Y
5	IC 410-250389/5	7.5	8.139939	5.0	521886.0	1.085325	Y
6	ICIS 410-250389/2	12.5	15.430828	5.0	477406.0	1.234466	Y
7	IC 410-250389/4	20.0	23.846137	5.0	580125.0	1.192307	Y
8	IC 410-250389/3	30.0	33.822818	5.0	613325.0	1.127427	Y



Calibration / Phenyl ether

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

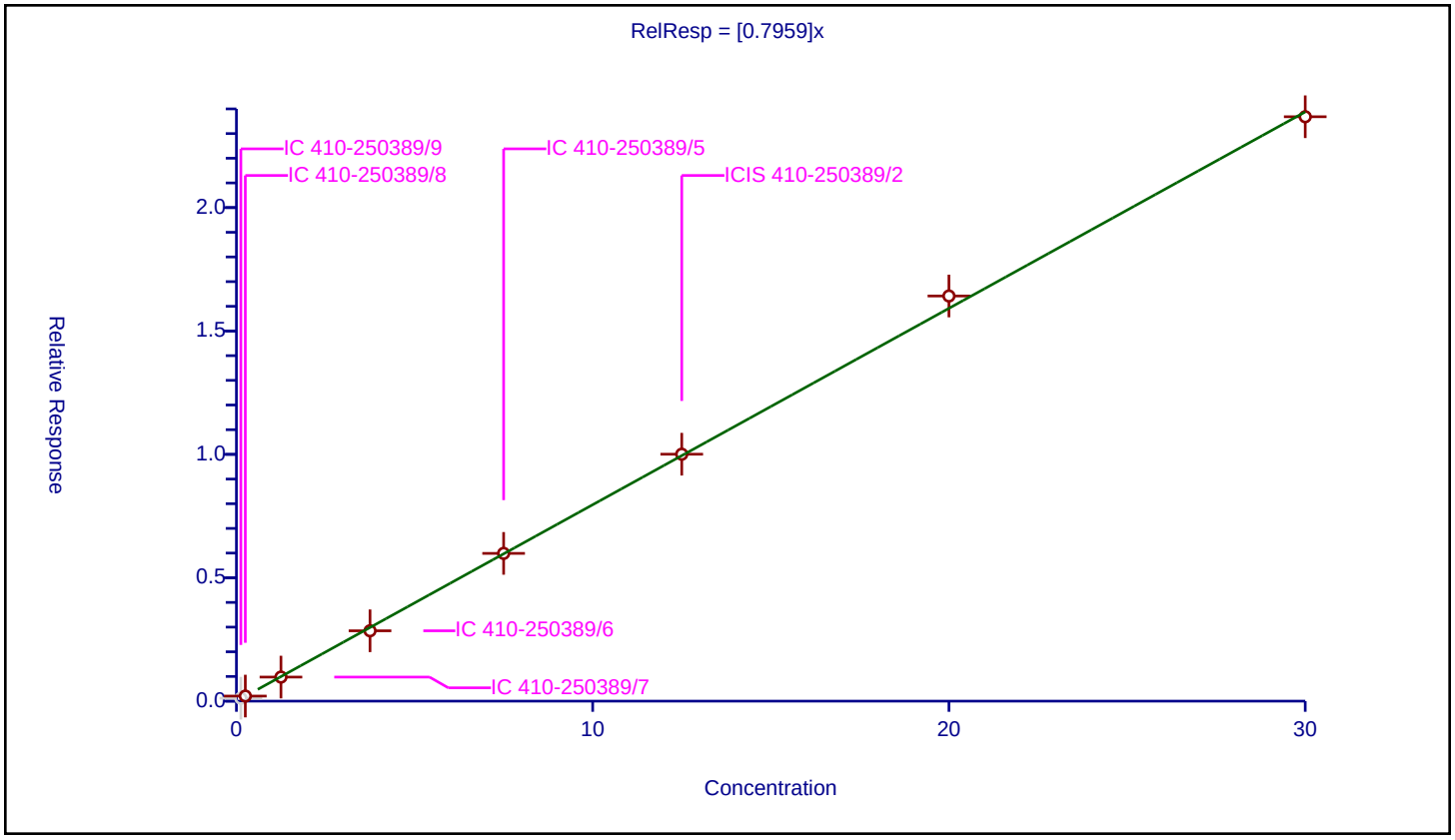
Curve Coefficients

Intercept:	0
Slope:	0.7959

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	2.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.119293	5.0	571826.0	0.954346	N
2	IC 410-250389/8	0.25	0.205558	5.0	673312.0	0.822234	Y
3	IC 410-250389/7	1.25	0.974869	5.0	577857.0	0.779895	Y
4	IC 410-250389/6	3.75	2.850484	5.0	545774.0	0.760129	Y
5	IC 410-250389/5	7.5	5.986968	5.0	521886.0	0.798262	Y
6	ICIS 410-250389/2	12.5	10.007268	5.0	477406.0	0.800581	Y
7	IC 410-250389/4	20.0	16.417488	5.0	580125.0	0.820874	Y
8	IC 410-250389/3	30.0	23.681425	5.0	613325.0	0.789381	Y



Calibration / 2-Nitroaniline

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

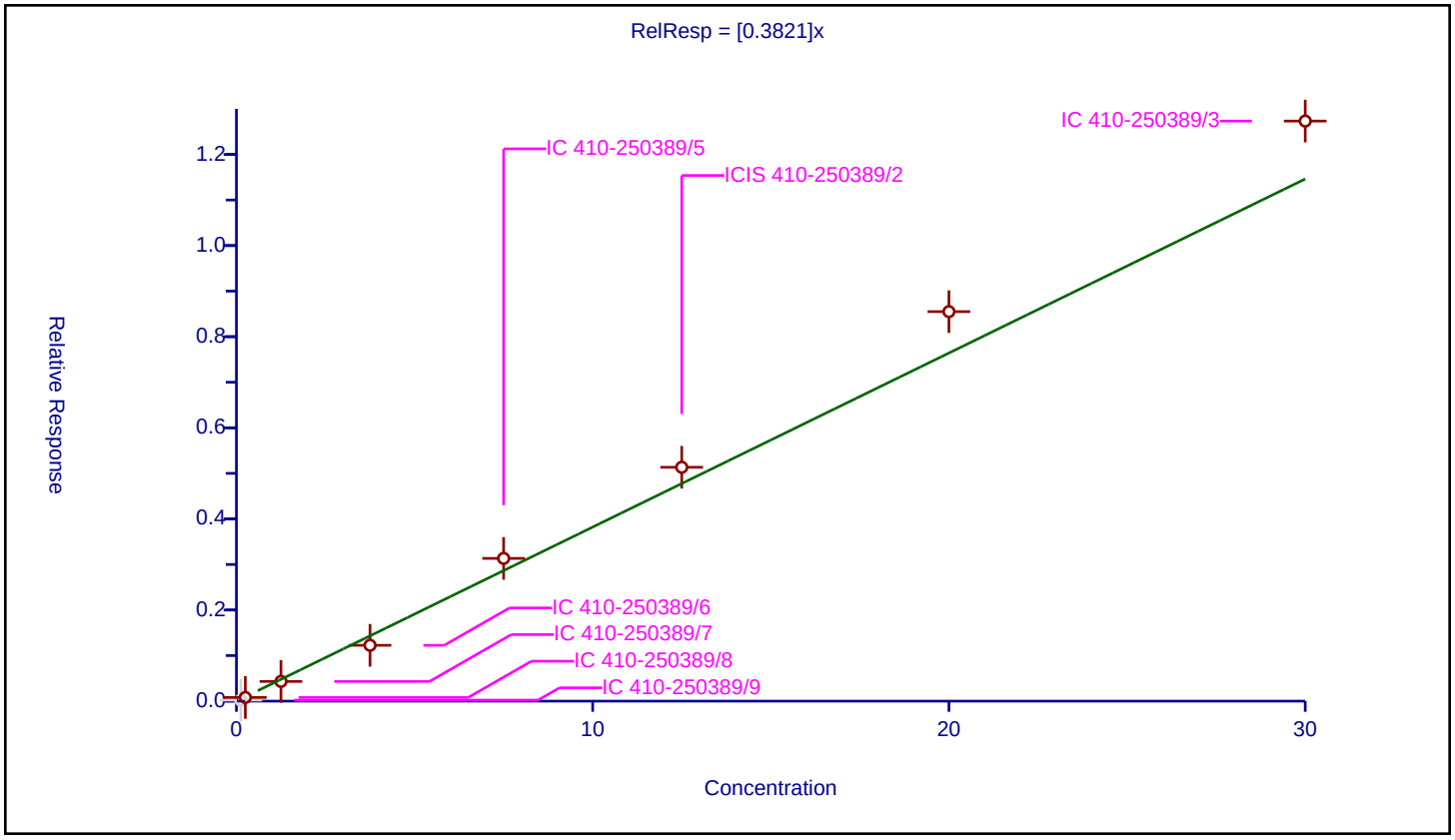
Curve Coefficients

Intercept:	0
Slope:	0.3821

Error Coefficients

Standard Error:	795000
Relative Standard Error:	12.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.022437	5.0	571826.0	0.179495	N
2	IC 410-250389/8	0.25	0.08029	5.0	673312.0	0.321159	Y
3	IC 410-250389/7	1.25	0.432581	5.0	577857.0	0.346065	Y
4	IC 410-250389/6	3.75	1.225764	5.0	545774.0	0.32687	Y
5	IC 410-250389/5	7.5	3.133223	5.0	521886.0	0.417763	Y
6	ICIS 410-250389/2	12.5	5.133419	5.0	477406.0	0.410674	Y
7	IC 410-250389/4	20.0	8.550002	5.0	580125.0	0.4275	Y
8	IC 410-250389/3	30.0	12.732613	5.0	613325.0	0.42442	Y



Calibration / 1,4-Naphthoquinone

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

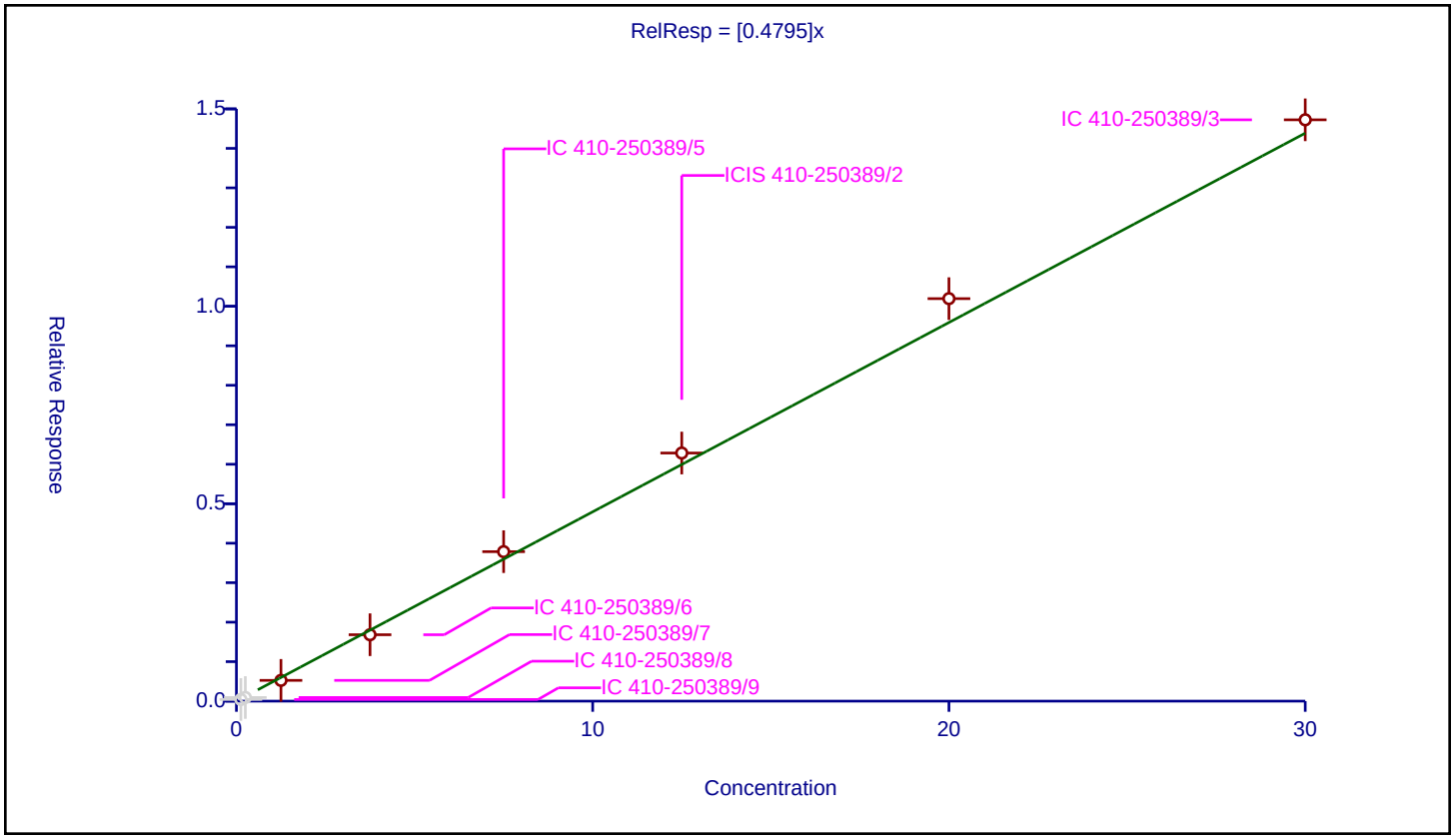
Curve Coefficients

Intercept:	0
Slope:	0.4795

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	7.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.042478	5.0	571826.0	0.339824	N
2	IC 410-250389/8	0.25	0.092245	5.0	673312.0	0.368982	N
3	IC 410-250389/7	1.25	0.525502	5.0	577857.0	0.420402	Y
4	IC 410-250389/6	3.75	1.682189	5.0	545774.0	0.448584	Y
5	IC 410-250389/5	7.5	3.785846	5.0	521886.0	0.504779	Y
6	ICIS 410-250389/2	12.5	6.283666	5.0	477406.0	0.502693	Y
7	IC 410-250389/4	20.0	10.194493	5.0	580125.0	0.509725	Y
8	IC 410-250389/3	30.0	14.723099	5.0	613325.0	0.49077	Y



Calibration / 1,4-Dinitrobenzene

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

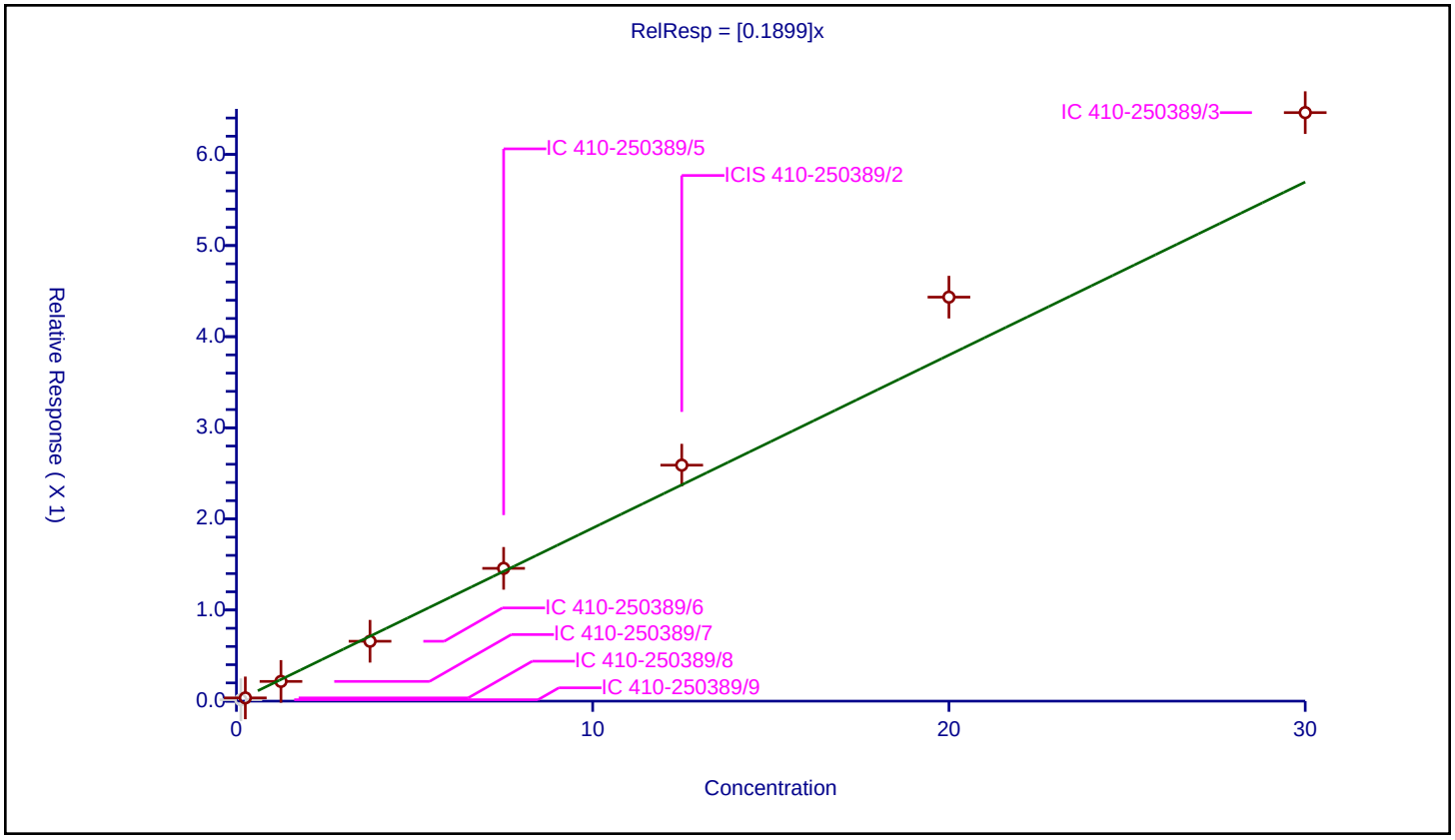
Curve Coefficients

Intercept:	0
Slope:	0.1899

Error Coefficients

Standard Error:	405000
Relative Standard Error:	14.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.015555	5.0	571826.0	0.124443	N
2	IC 410-250389/8	0.25	0.035615	5.0	673312.0	0.14246	Y
3	IC 410-250389/7	1.25	0.21649	5.0	577857.0	0.173192	Y
4	IC 410-250389/6	3.75	0.657268	5.0	545774.0	0.175272	Y
5	IC 410-250389/5	7.5	1.457454	5.0	521886.0	0.194327	Y
6	ICIS 410-250389/2	12.5	2.590143	5.0	477406.0	0.207211	Y
7	IC 410-250389/4	20.0	4.433906	5.0	580125.0	0.221695	Y
8	IC 410-250389/3	30.0	6.459071	5.0	613325.0	0.215302	Y



Calibration / Dimethyl phthalate

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

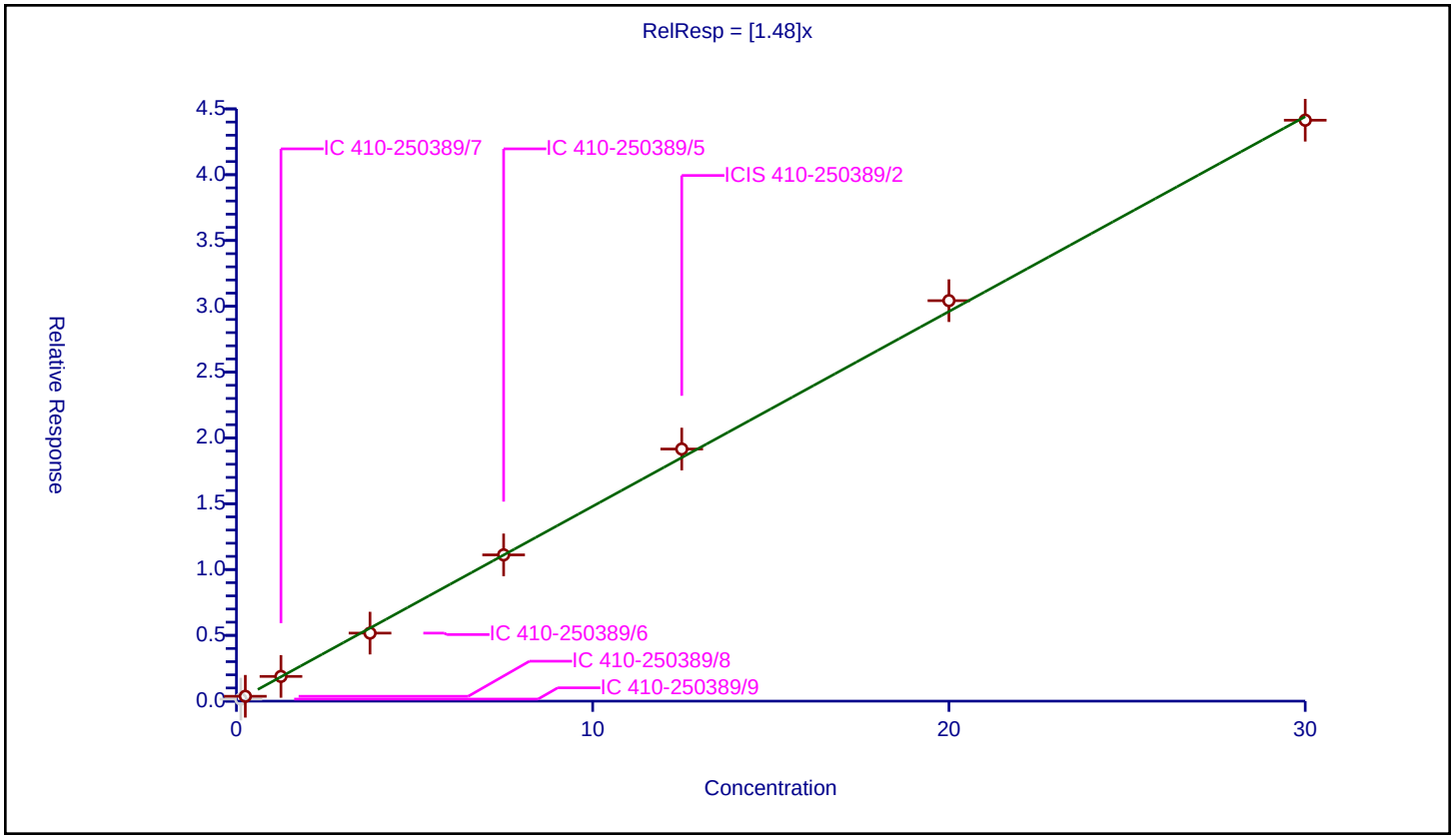
Curve Coefficients

Intercept:	0
Slope:	1.48

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	3.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.156787	5.0	571826.0	1.254298	N
2	IC 410-250389/8	0.25	0.36838	5.0	673312.0	1.473522	Y
3	IC 410-250389/7	1.25	1.879548	5.0	577857.0	1.503638	Y
4	IC 410-250389/6	3.75	5.168889	5.0	545774.0	1.37837	Y
5	IC 410-250389/5	7.5	11.113787	5.0	521886.0	1.481838	Y
6	ICIS 410-250389/2	12.5	19.155164	5.0	477406.0	1.532413	Y
7	IC 410-250389/4	20.0	30.428985	5.0	580125.0	1.521449	Y
8	IC 410-250389/3	30.0	44.139111	5.0	613325.0	1.471304	Y



Calibration / 1,3-Dinitrobenzene

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

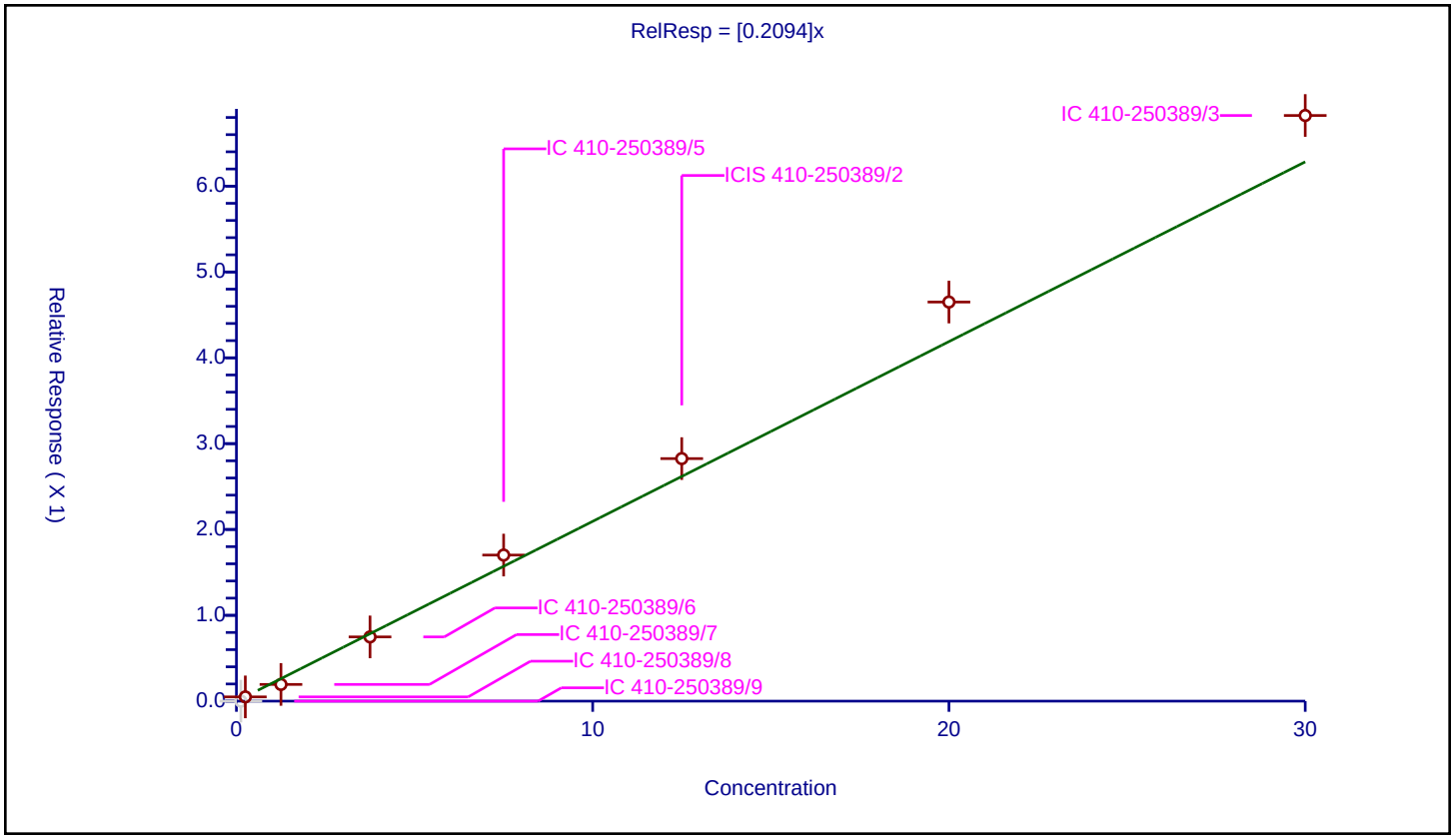
Curve Coefficients

Intercept:	0
Slope:	0.2094

Error Coefficients

Standard Error:	429000
Relative Standard Error:	13.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.0	5.0	571826.0	0.0	N
2	IC 410-250389/8	0.25	0.049479	5.0	673312.0	0.197917	Y
3	IC 410-250389/7	1.25	0.194607	5.0	577857.0	0.155686	Y
4	IC 410-250389/6	3.75	0.748368	5.0	545774.0	0.199565	Y
5	IC 410-250389/5	7.5	1.701876	5.0	521886.0	0.226917	Y
6	ICIS 410-250389/2	12.5	2.825823	5.0	477406.0	0.226066	Y
7	IC 410-250389/4	20.0	4.649696	5.0	580125.0	0.232485	Y
8	IC 410-250389/3	30.0	6.823006	5.0	613325.0	0.227434	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

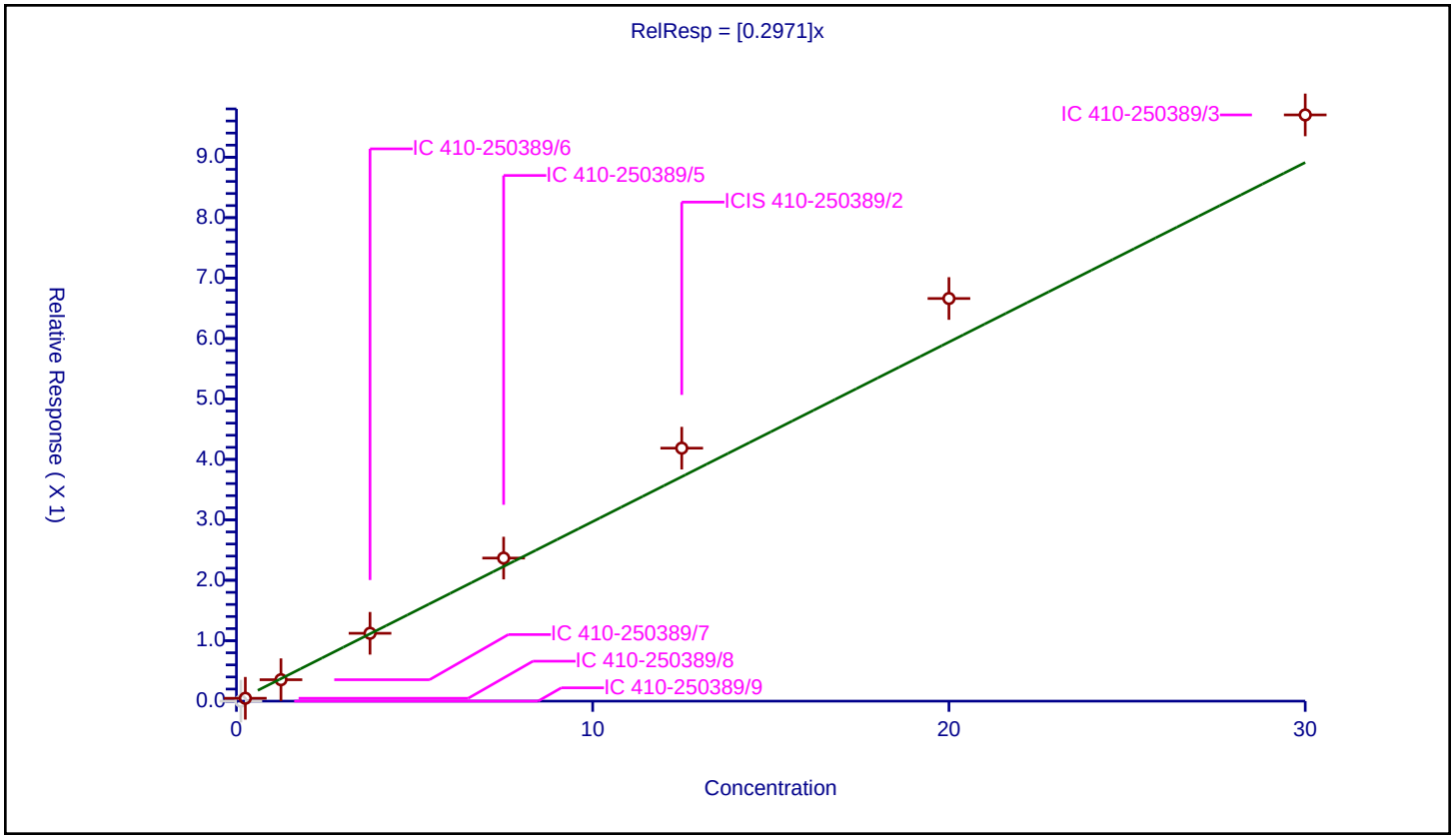
Curve Coefficients

Intercept:	0
Slope:	0.2971

Error Coefficients

Standard Error:	612000
Relative Standard Error:	17.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.0	5.0	571826.0	0.0	N
2	IC 410-250389/8	0.25	0.0474	5.0	673312.0	0.1896	Y
3	IC 410-250389/7	1.25	0.354543	5.0	577857.0	0.283634	Y
4	IC 410-250389/6	3.75	1.122837	5.0	545774.0	0.299423	Y
5	IC 410-250389/5	7.5	2.367155	5.0	521886.0	0.315621	Y
6	ICIS 410-250389/2	12.5	4.186321	5.0	477406.0	0.334906	Y
7	IC 410-250389/4	20.0	6.662452	5.0	580125.0	0.333123	Y
8	IC 410-250389/3	30.0	9.700224	5.0	613325.0	0.323341	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

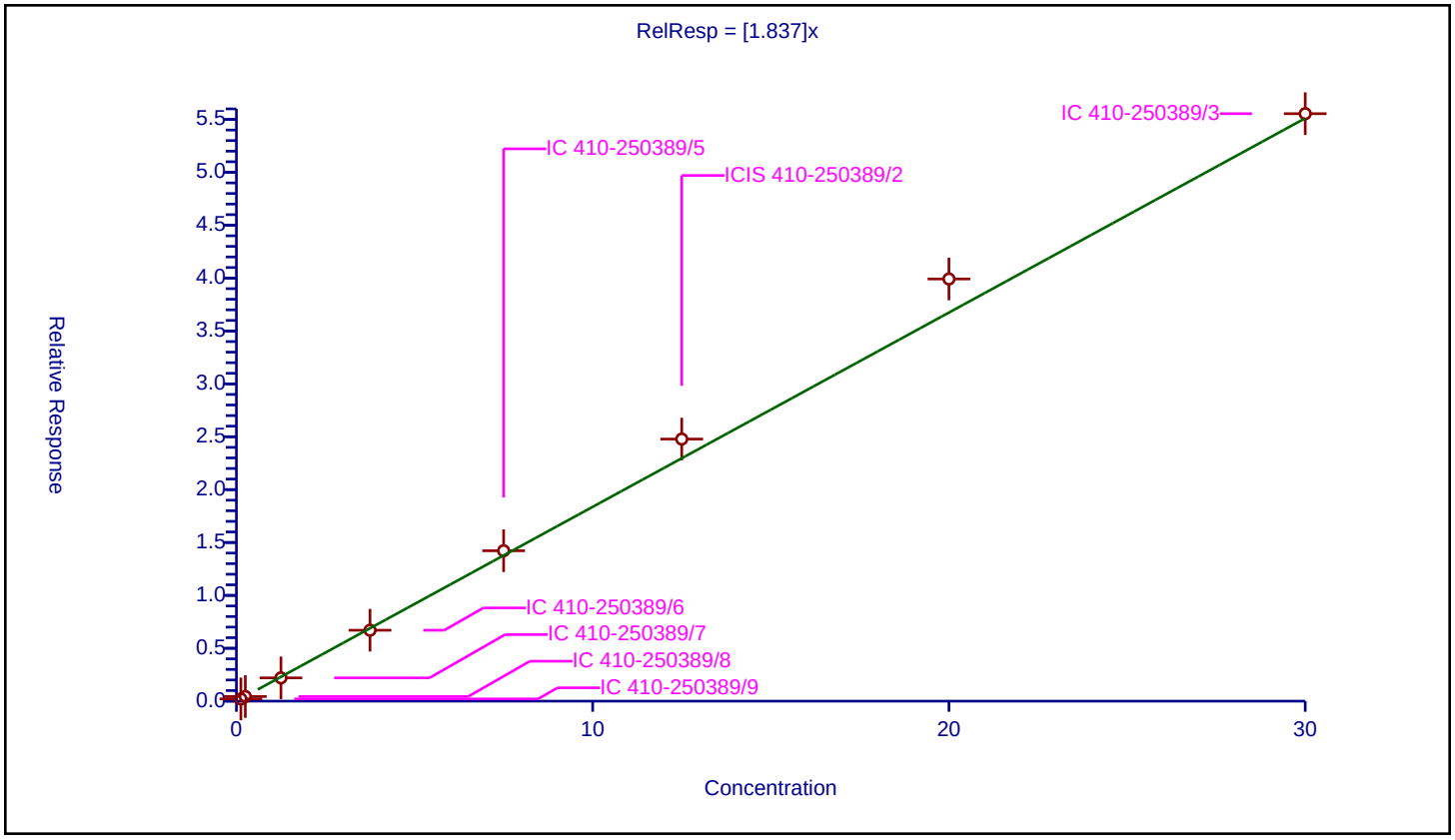
Curve Coefficients

Intercept:	0
Slope:	1.837

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	6.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.209758	5.0	571826.0	1.678063	Y
2	IC 410-250389/8	0.25	0.436454	5.0	673312.0	1.745818	Y
3	IC 410-250389/7	1.25	2.199022	5.0	577857.0	1.759217	Y
4	IC 410-250389/6	3.75	6.704259	5.0	545774.0	1.787802	Y
5	IC 410-250389/5	7.5	14.220088	5.0	521886.0	1.896012	Y
6	ICIS 410-250389/2	12.5	24.779433	5.0	477406.0	1.982355	Y
7	IC 410-250389/4	20.0	39.916337	5.0	580125.0	1.995817	Y
8	IC 410-250389/3	30.0	55.547744	5.0	613325.0	1.851591	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

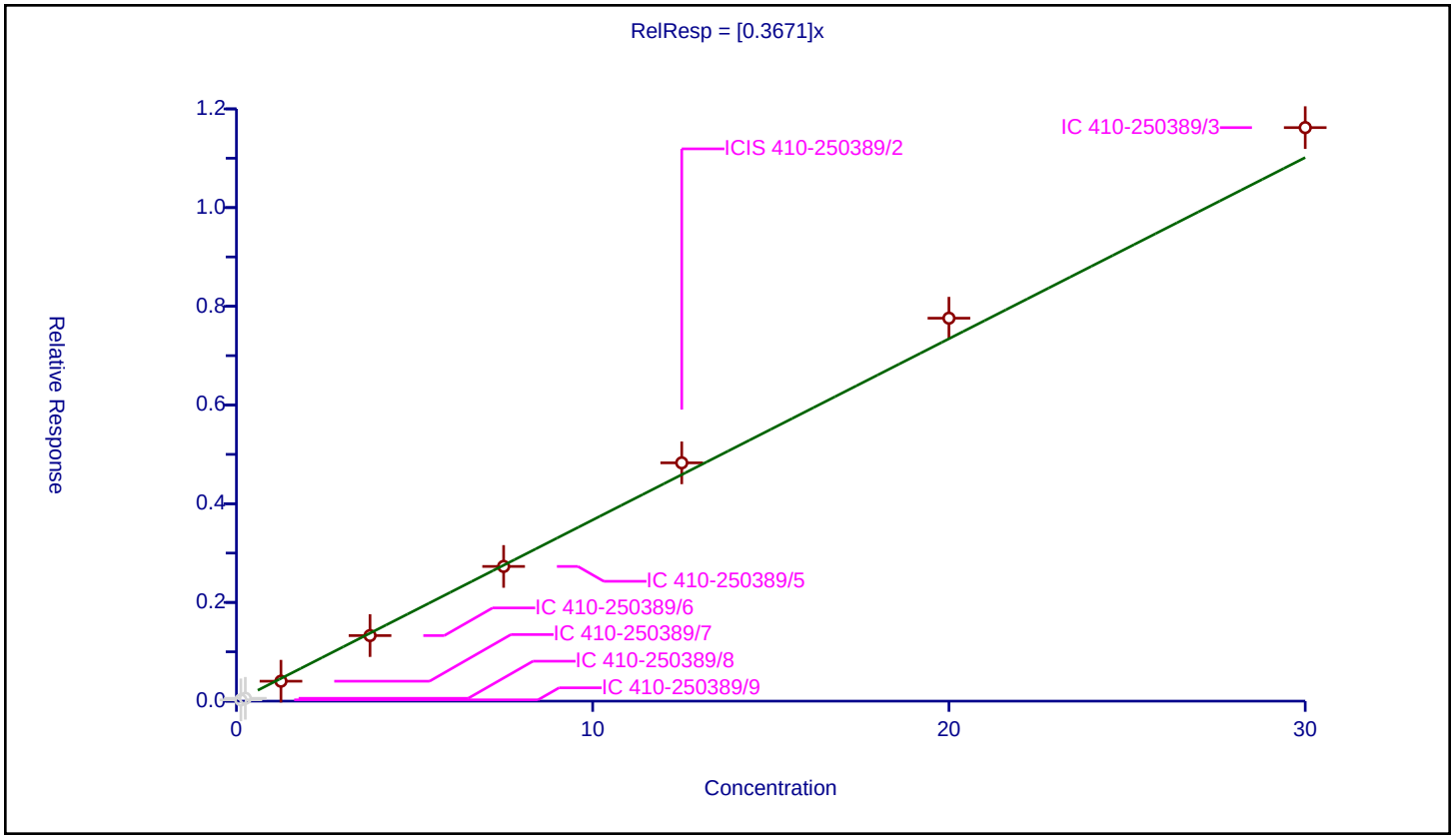
Curve Coefficients

Intercept:	0
Slope:	0.3671

Error Coefficients

Standard Error:	795000
Relative Standard Error:	7.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.026398	5.0	571826.0	0.211183	N
2	IC 410-250389/8	0.25	0.057663	5.0	673312.0	0.230651	N
3	IC 410-250389/7	1.25	0.403923	5.0	577857.0	0.323139	Y
4	IC 410-250389/6	3.75	1.328096	5.0	545774.0	0.354159	Y
5	IC 410-250389/5	7.5	2.72915	5.0	521886.0	0.363887	Y
6	ICIS 410-250389/2	12.5	4.828647	5.0	477406.0	0.386292	Y
7	IC 410-250389/4	20.0	7.75925	5.0	580125.0	0.387963	Y
8	IC 410-250389/3	30.0	11.620527	5.0	613325.0	0.387351	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

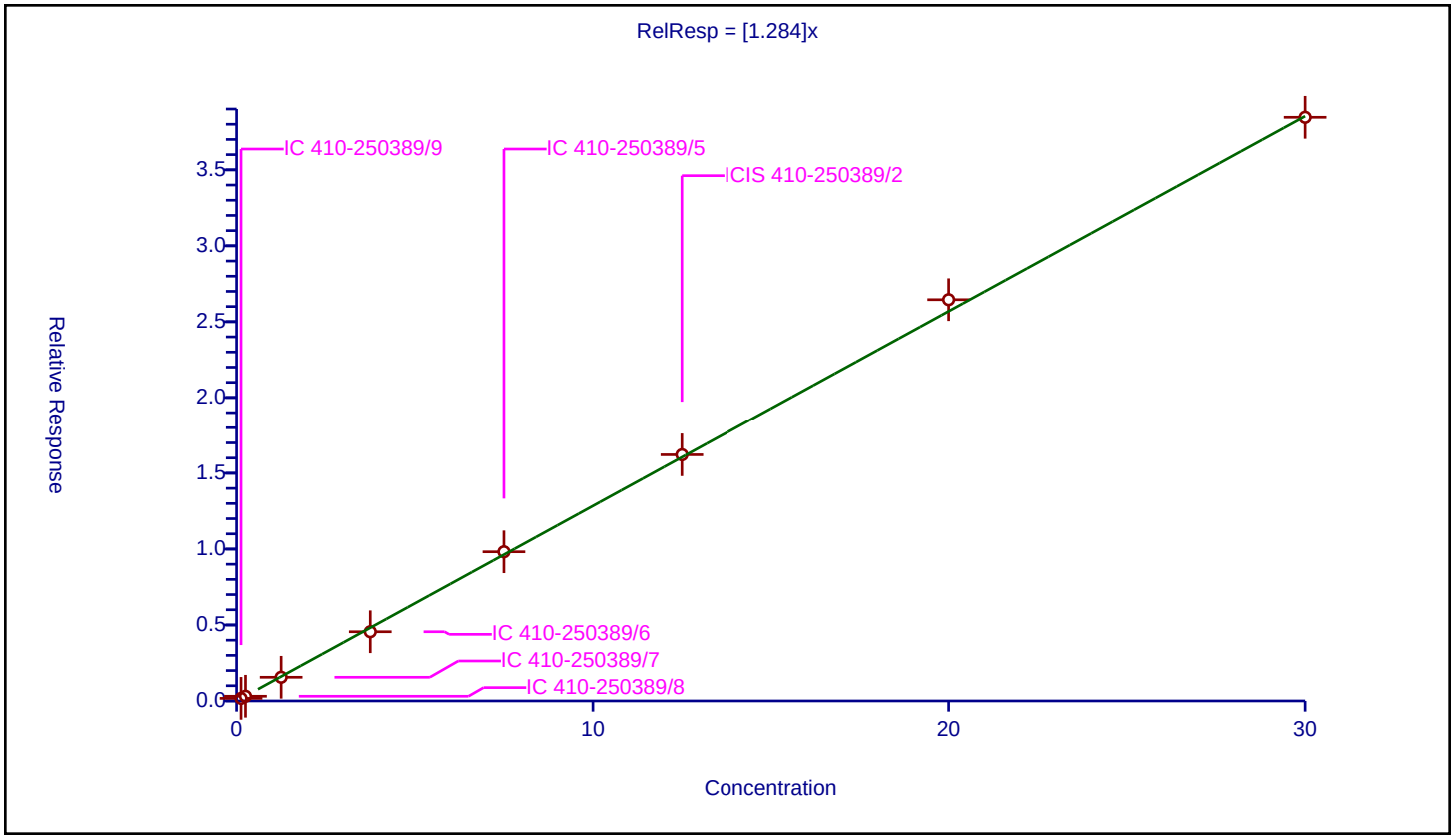
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	3.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.170533	5.0	571826.0	1.364261	Y
2	IC 410-250389/8	0.25	0.309634	5.0	673312.0	1.238534	Y
3	IC 410-250389/7	1.25	1.55792	5.0	577857.0	1.246336	Y
4	IC 410-250389/6	3.75	4.553854	5.0	545774.0	1.214361	Y
5	IC 410-250389/5	7.5	9.819779	5.0	521886.0	1.309304	Y
6	ICIS 410-250389/2	12.5	16.215569	5.0	477406.0	1.297246	Y
7	IC 410-250389/4	20.0	26.453644	5.0	580125.0	1.322682	Y
8	IC 410-250389/3	30.0	38.456569	5.0	613325.0	1.281886	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

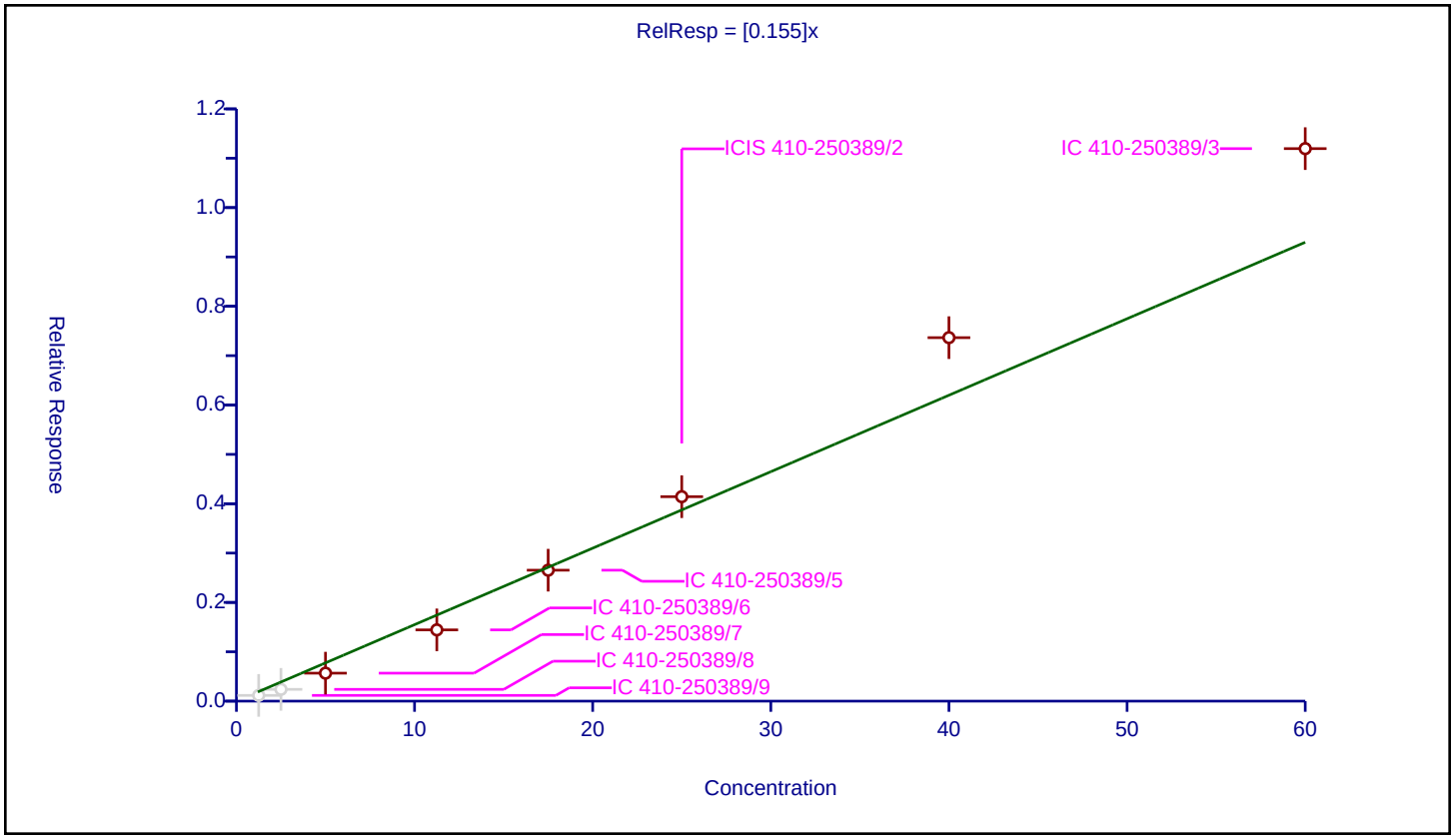
Curve Coefficients

Intercept:	0
Slope:	0.155

Error Coefficients

Standard Error:	759000
Relative Standard Error:	19.2
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	1.25	0.116242	5.0	571826.0	0.092993	N
2	IC 410-250389/8	2.5	0.239005	5.0	673312.0	0.095602	N
3	IC 410-250389/7	5.0	0.567017	5.0	577857.0	0.113403	Y
4	IC 410-250389/6	11.25	1.443849	5.0	545774.0	0.128342	Y
5	IC 410-250389/5	17.5	2.653032	5.0	521886.0	0.151602	Y
6	ICIS 410-250389/2	25.0	4.142564	5.0	477406.0	0.165703	Y
7	IC 410-250389/4	40.0	7.364749	5.0	580125.0	0.184119	Y
8	IC 410-250389/3	60.0	11.194889	5.0	613325.0	0.186581	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

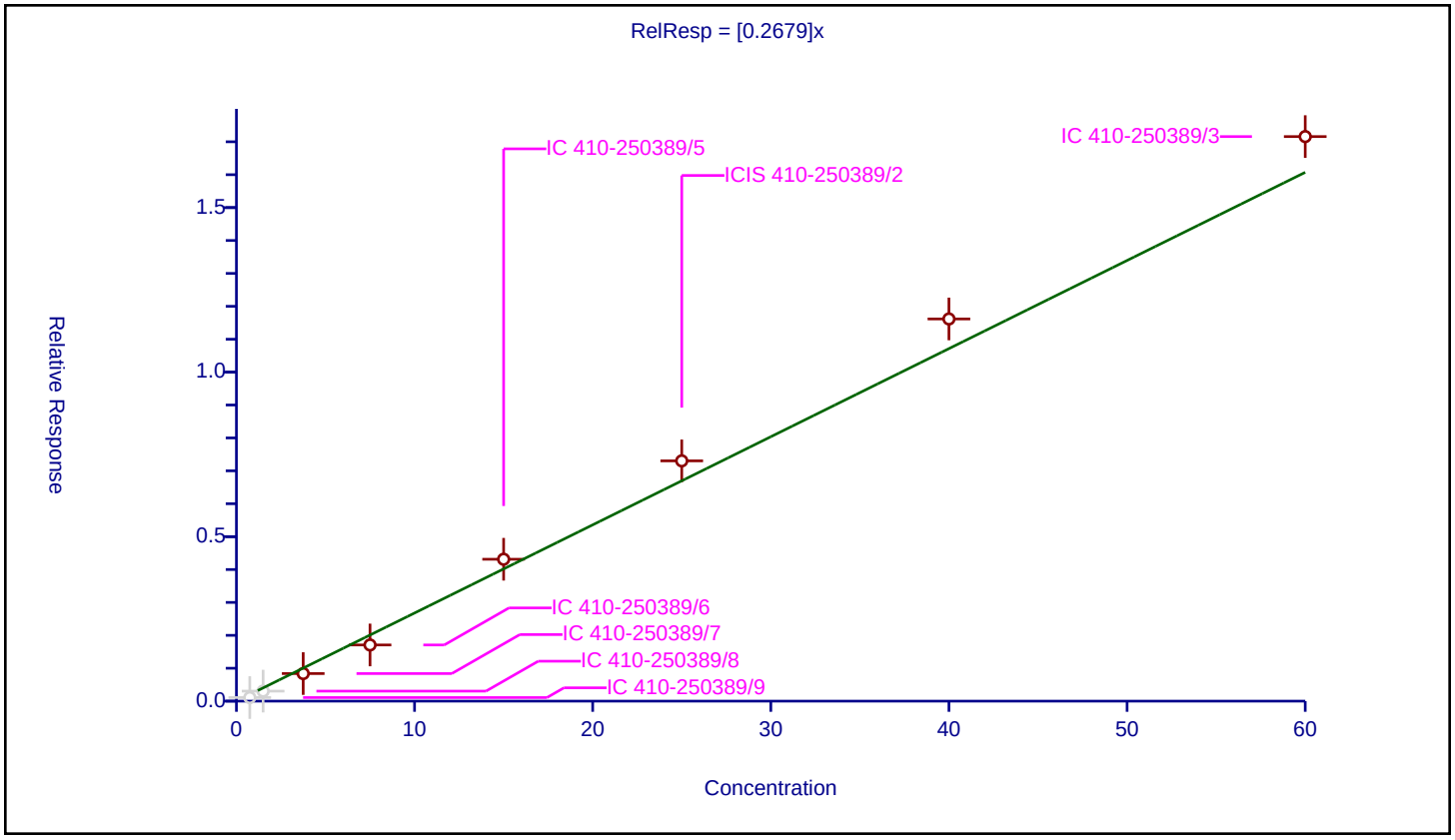
Curve Coefficients

Intercept:	0
Slope:	0.2679

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	12.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.75	0.109115	5.0	571826.0	0.145487	N
2	IC 410-250389/8	1.5	0.304532	5.0	673312.0	0.203021	N
3	IC 410-250389/7	3.75	0.8382	5.0	577857.0	0.22352	Y
4	IC 410-250389/6	7.5	1.707227	5.0	545774.0	0.22763	Y
5	IC 410-250389/5	15.0	4.312791	5.0	521886.0	0.287519	Y
6	ICIS 410-250389/2	25.0	7.303019	5.0	477406.0	0.292121	Y
7	IC 410-250389/4	40.0	11.61566	5.0	580125.0	0.290392	Y
8	IC 410-250389/3	60.0	17.158301	5.0	613325.0	0.285972	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

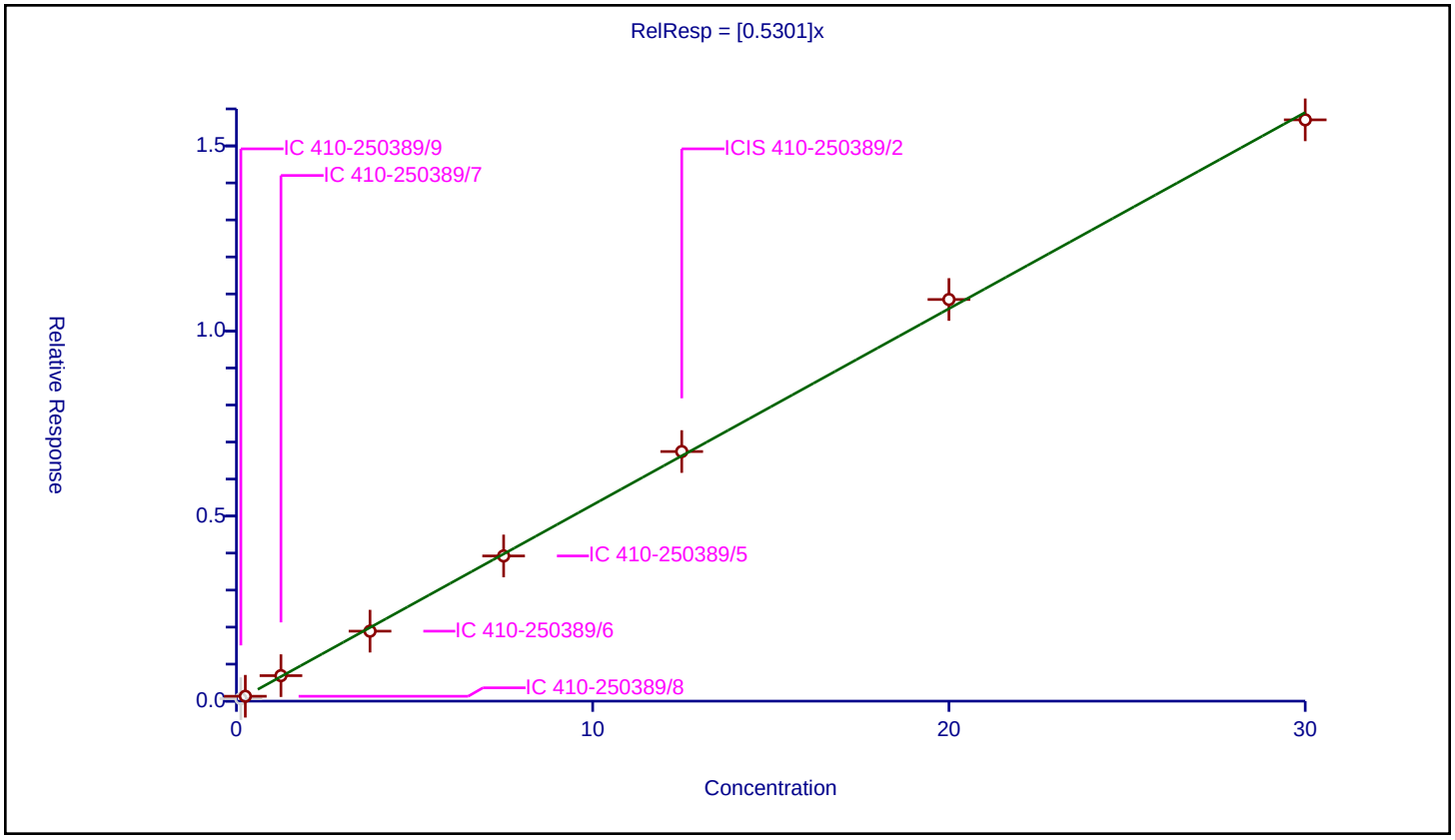
Curve Coefficients

Intercept:	0
Slope:	0.5301

Error Coefficients

Standard Error:	994000
Relative Standard Error:	2.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.067022	5.0	571826.0	0.536177	N
2	IC 410-250389/8	0.25	0.131804	5.0	673312.0	0.527215	Y
3	IC 410-250389/7	1.25	0.688882	5.0	577857.0	0.551105	Y
4	IC 410-250389/6	3.75	1.890572	5.0	545774.0	0.504153	Y
5	IC 410-250389/5	7.5	3.922322	5.0	521886.0	0.522976	Y
6	ICIS 410-250389/2	12.5	6.743233	5.0	477406.0	0.539459	Y
7	IC 410-250389/4	20.0	10.850877	5.0	580125.0	0.542544	Y
8	IC 410-250389/3	30.0	15.704586	5.0	613325.0	0.523486	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

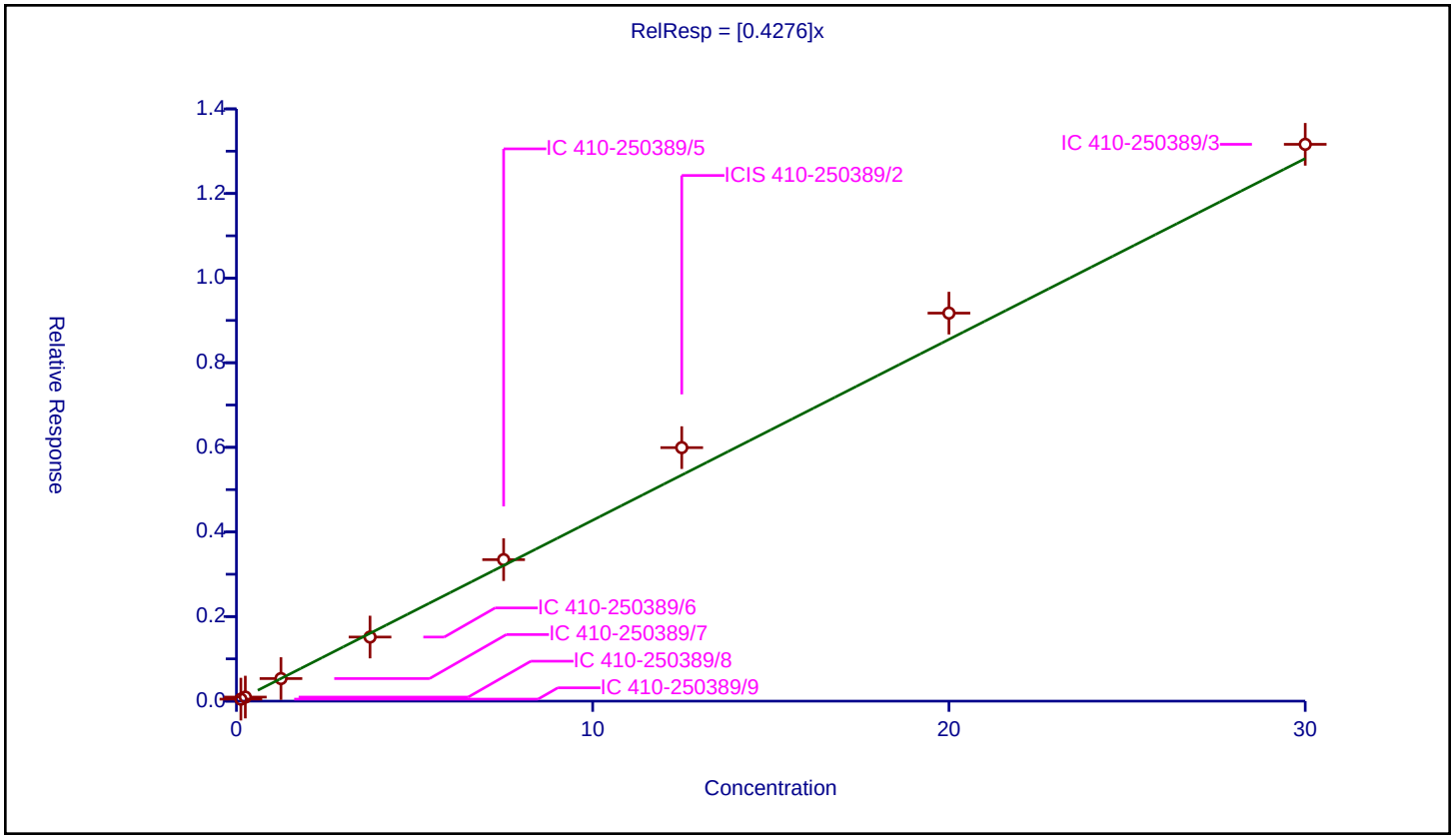
Curve Coefficients

Intercept:	0
Slope:	0.4276

Error Coefficients

Standard Error:	776000
Relative Standard Error:	8.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.047742	5.0	571826.0	0.381934	Y
2	IC 410-250389/8	0.25	0.096263	5.0	673312.0	0.385052	Y
3	IC 410-250389/7	1.25	0.53335	5.0	577857.0	0.42668	Y
4	IC 410-250389/6	3.75	1.515059	5.0	545774.0	0.404016	Y
5	IC 410-250389/5	7.5	3.344533	5.0	521886.0	0.445938	Y
6	ICIS 410-250389/2	12.5	5.992709	5.0	477406.0	0.479417	Y
7	IC 410-250389/4	20.0	9.172385	5.0	580125.0	0.458619	Y
8	IC 410-250389/3	30.0	13.162483	5.0	613325.0	0.438749	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

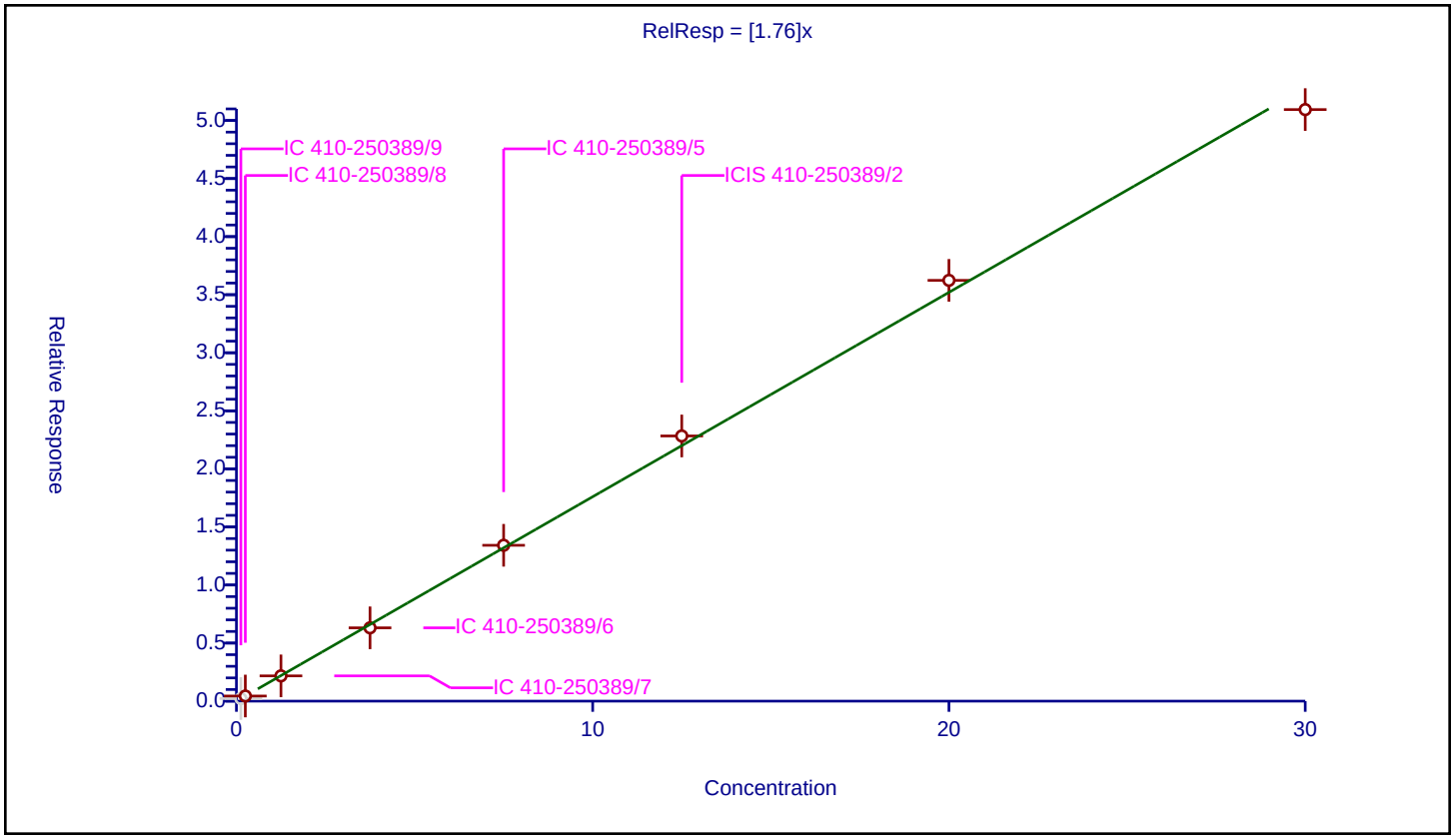
Curve Coefficients

Intercept:	0
Slope:	1.76

Error Coefficients

Standard Error:	3270000
Relative Standard Error:	3.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.224037	5.0	571826.0	1.792293	N
2	IC 410-250389/8	0.25	0.44244	5.0	673312.0	1.769759	Y
3	IC 410-250389/7	1.25	2.176256	5.0	577857.0	1.741005	Y
4	IC 410-250389/6	3.75	6.313355	5.0	545774.0	1.683561	Y
5	IC 410-250389/5	7.5	13.421015	5.0	521886.0	1.789469	Y
6	ICIS 410-250389/2	12.5	22.835752	5.0	477406.0	1.82686	Y
7	IC 410-250389/4	20.0	36.235208	5.0	580125.0	1.81176	Y
8	IC 410-250389/3	30.0	50.93951	5.0	613325.0	1.697984	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

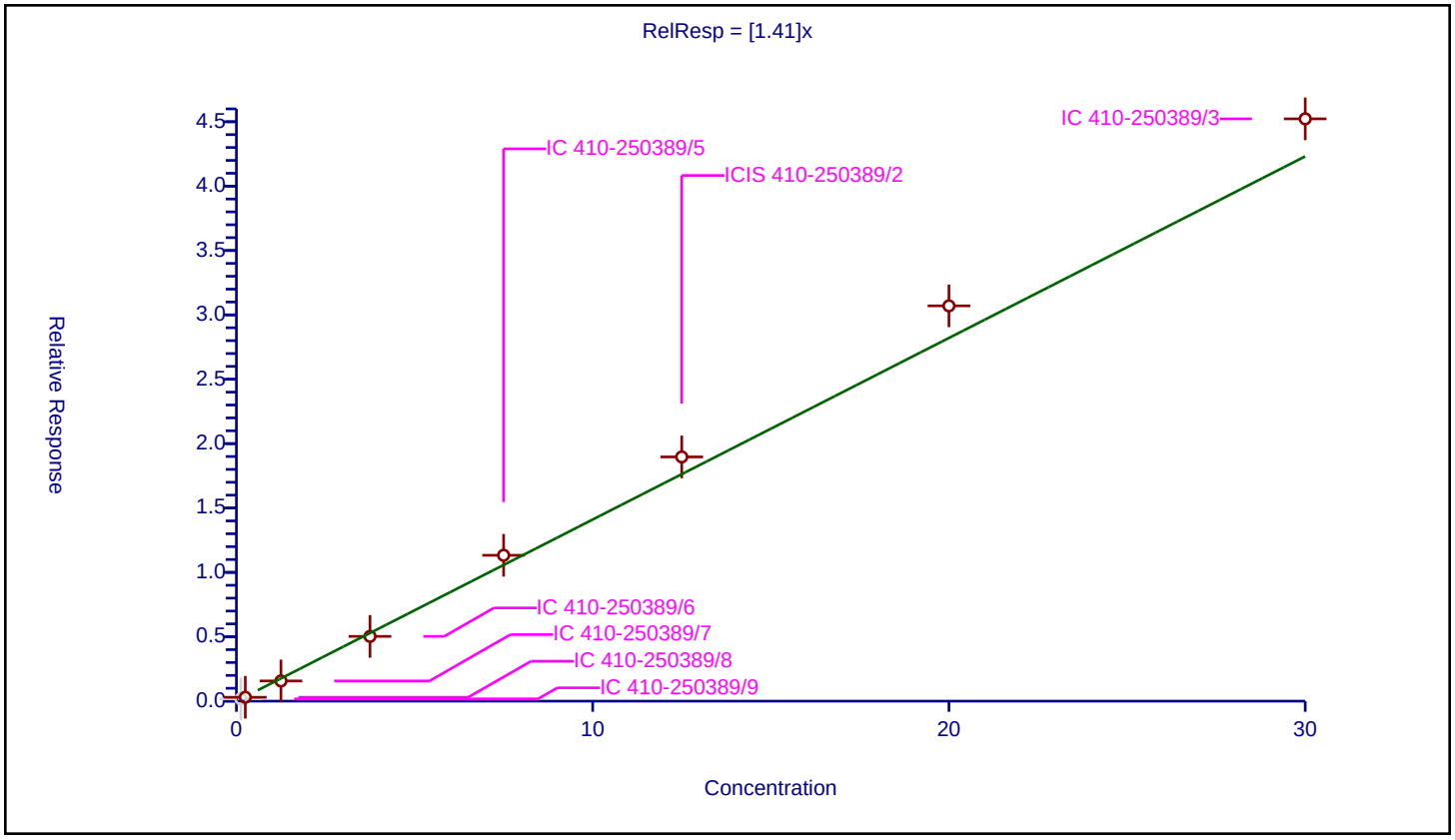
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	9.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.176155	5.0	571826.0	1.40924	N
2	IC 410-250389/8	0.25	0.301502	5.0	673312.0	1.206009	Y
3	IC 410-250389/7	1.25	1.568096	5.0	577857.0	1.254476	Y
4	IC 410-250389/6	3.75	5.030251	5.0	545774.0	1.3414	Y
5	IC 410-250389/5	7.5	11.32915	5.0	521886.0	1.510553	Y
6	ICIS 410-250389/2	12.5	18.968436	5.0	477406.0	1.517475	Y
7	IC 410-250389/4	20.0	30.701513	5.0	580125.0	1.535076	Y
8	IC 410-250389/3	30.0	45.22709	5.0	613325.0	1.50757	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

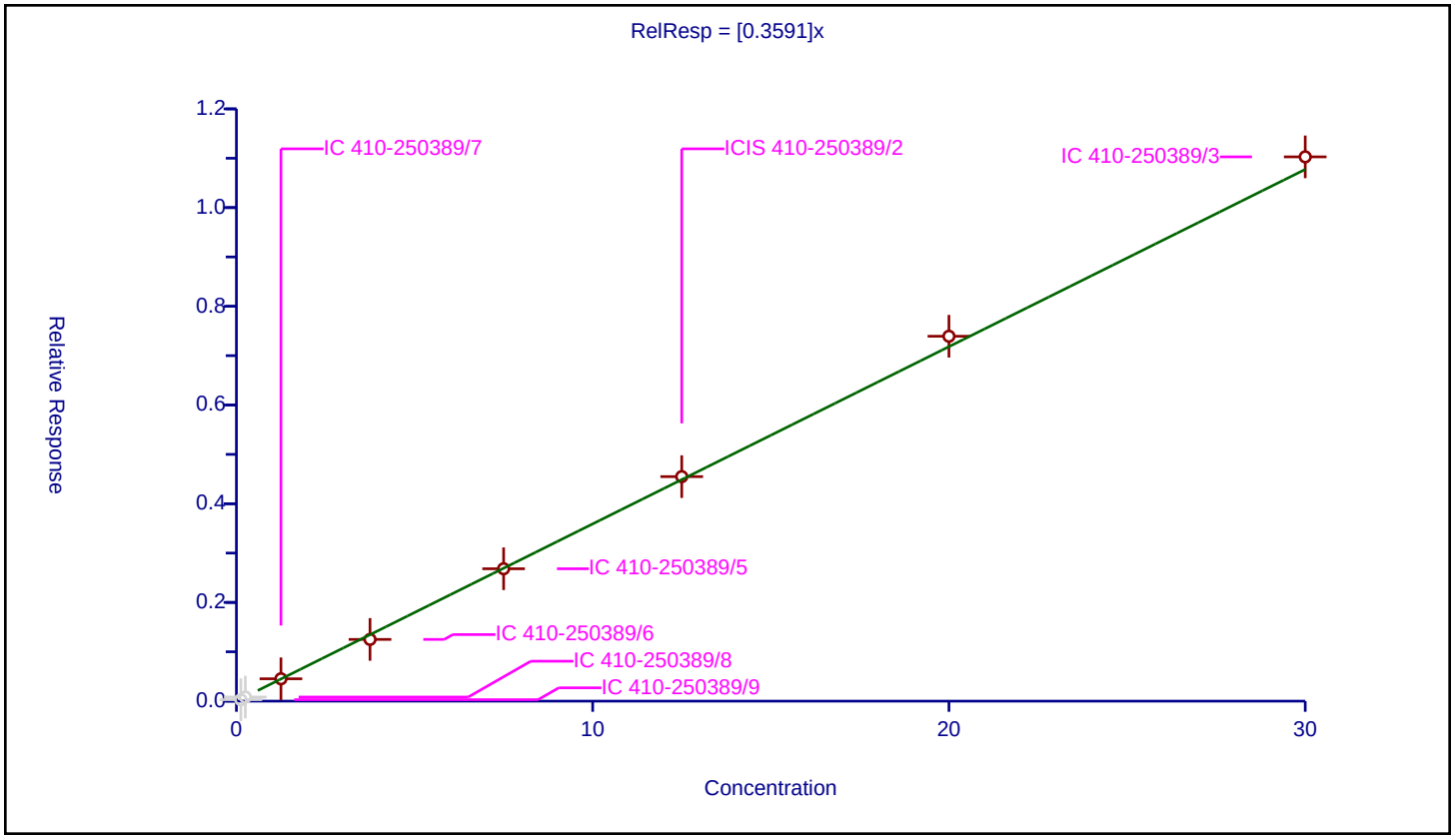
Curve Coefficients

Intercept:	0
Slope:	0.3591

Error Coefficients

Standard Error:	756000
Relative Standard Error:	3.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.029248	5.0	571826.0	0.233987	N
2	IC 410-250389/8	0.25	0.082562	5.0	673312.0	0.330248	N
3	IC 410-250389/7	1.25	0.452889	5.0	577857.0	0.362311	Y
4	IC 410-250389/6	3.75	1.250802	5.0	545774.0	0.333547	Y
5	IC 410-250389/5	7.5	2.68253	5.0	521886.0	0.357671	Y
6	ICIS 410-250389/2	12.5	4.549074	5.0	477406.0	0.363926	Y
7	IC 410-250389/4	20.0	7.393432	5.0	580125.0	0.369672	Y
8	IC 410-250389/3	30.0	11.027938	5.0	613325.0	0.367598	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

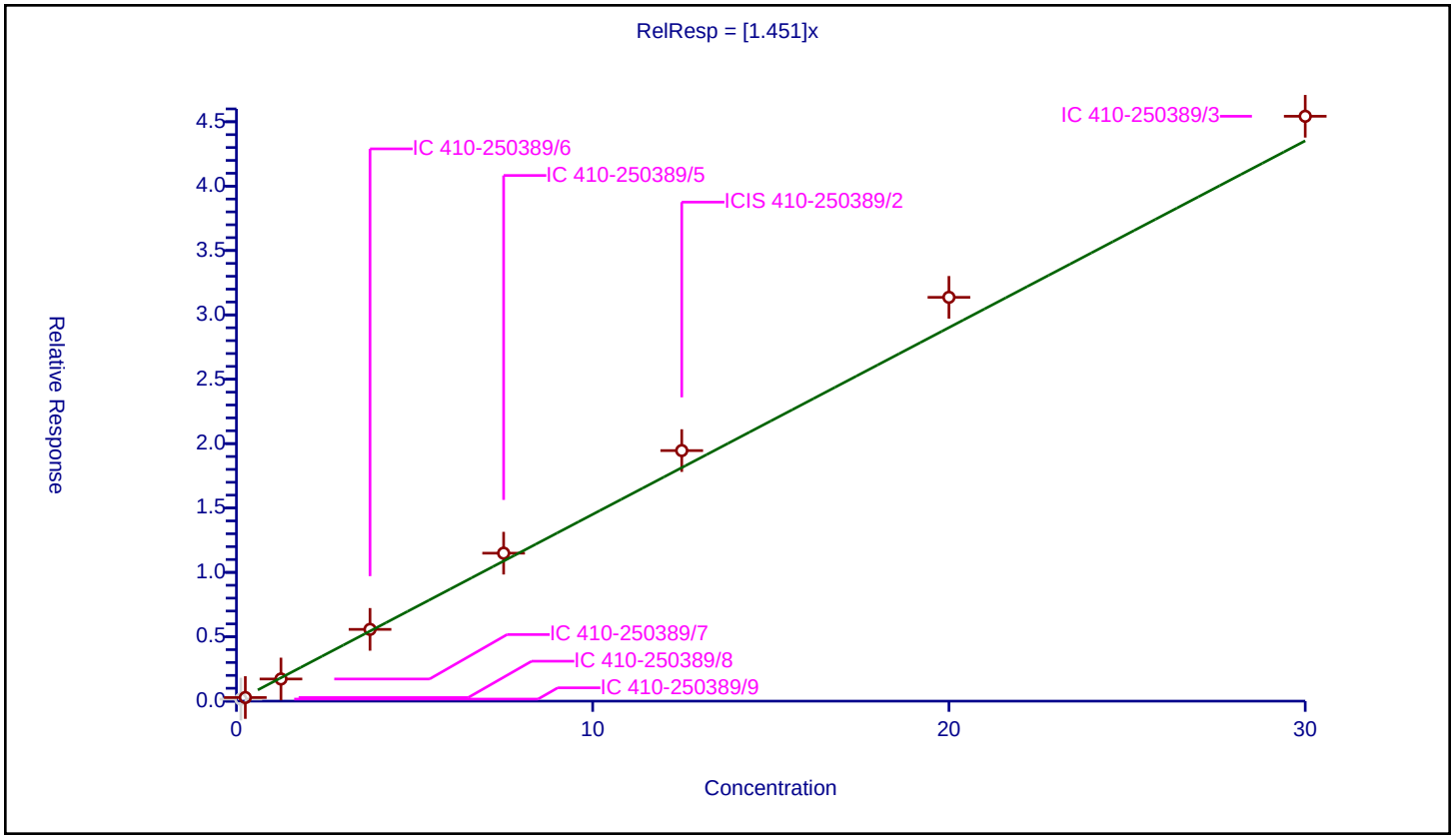
Curve Coefficients

Intercept:	0
Slope:	1.451

Error Coefficients

Standard Error:	2880000
Relative Standard Error:	11.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.159874	5.0	571826.0	1.27899	N
2	IC 410-250389/8	0.25	0.280019	5.0	673312.0	1.120075	Y
3	IC 410-250389/7	1.25	1.720962	5.0	577857.0	1.37677	Y
4	IC 410-250389/6	3.75	5.574469	5.0	545774.0	1.486525	Y
5	IC 410-250389/5	7.5	11.49273	5.0	521886.0	1.532364	Y
6	ICIS 410-250389/2	12.5	19.460009	5.0	477406.0	1.556801	Y
7	IC 410-250389/4	20.0	31.364309	5.0	580125.0	1.568215	Y
8	IC 410-250389/3	30.0	45.426715	5.0	613325.0	1.514224	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

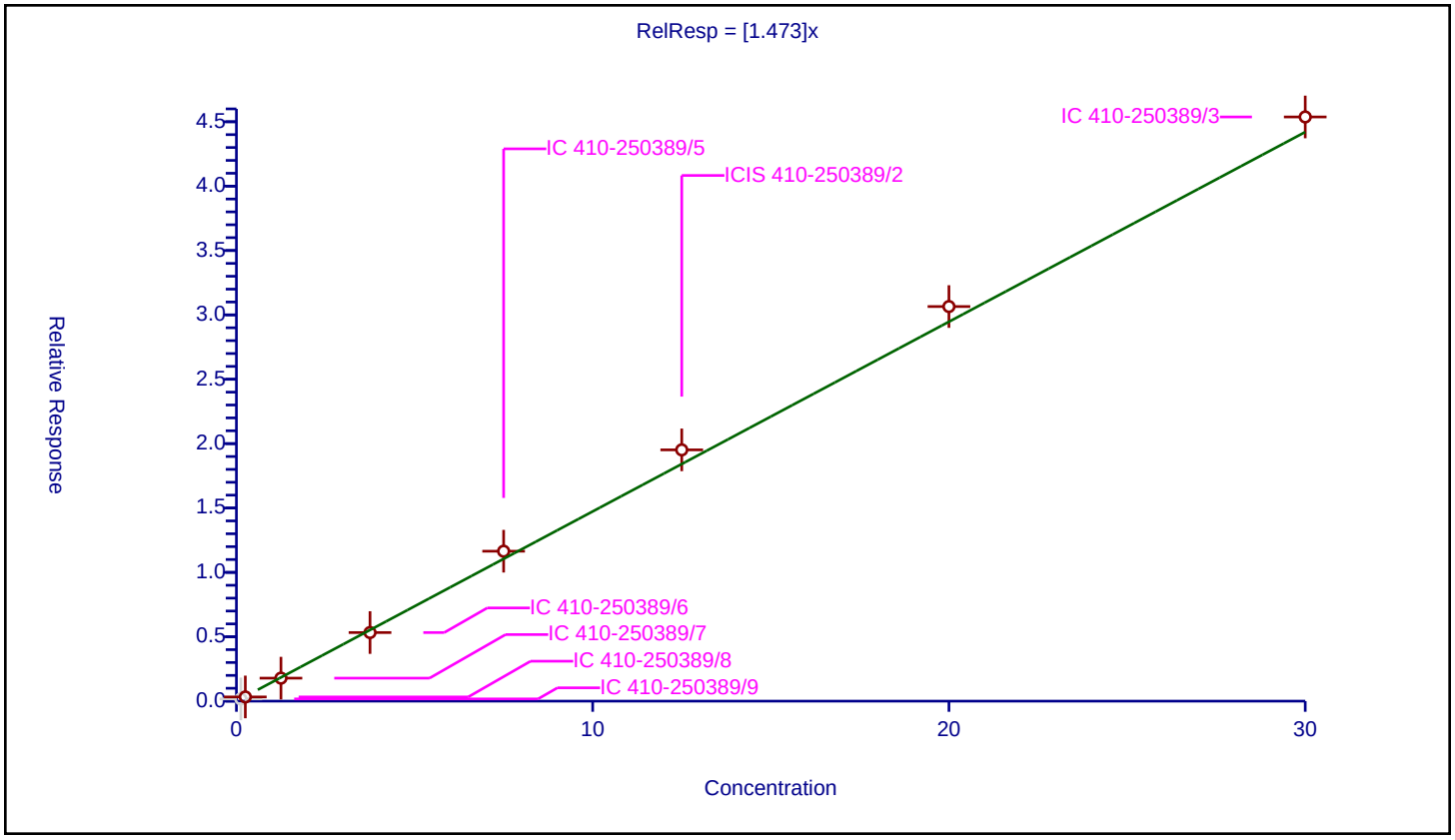
Curve Coefficients

Intercept:	0
Slope:	1.473

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	6.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.173252	5.0	571826.0	1.386016	N
2	IC 410-250389/8	0.25	0.326364	5.0	673312.0	1.305457	Y
3	IC 410-250389/7	1.25	1.785667	5.0	577857.0	1.428533	Y
4	IC 410-250389/6	3.75	5.328698	5.0	545774.0	1.420986	Y
5	IC 410-250389/5	7.5	11.644899	5.0	521886.0	1.552653	Y
6	ICIS 410-250389/2	12.5	19.516261	5.0	477406.0	1.561301	Y
7	IC 410-250389/4	20.0	30.647619	5.0	580125.0	1.532381	Y
8	IC 410-250389/3	30.0	45.374165	5.0	613325.0	1.512472	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

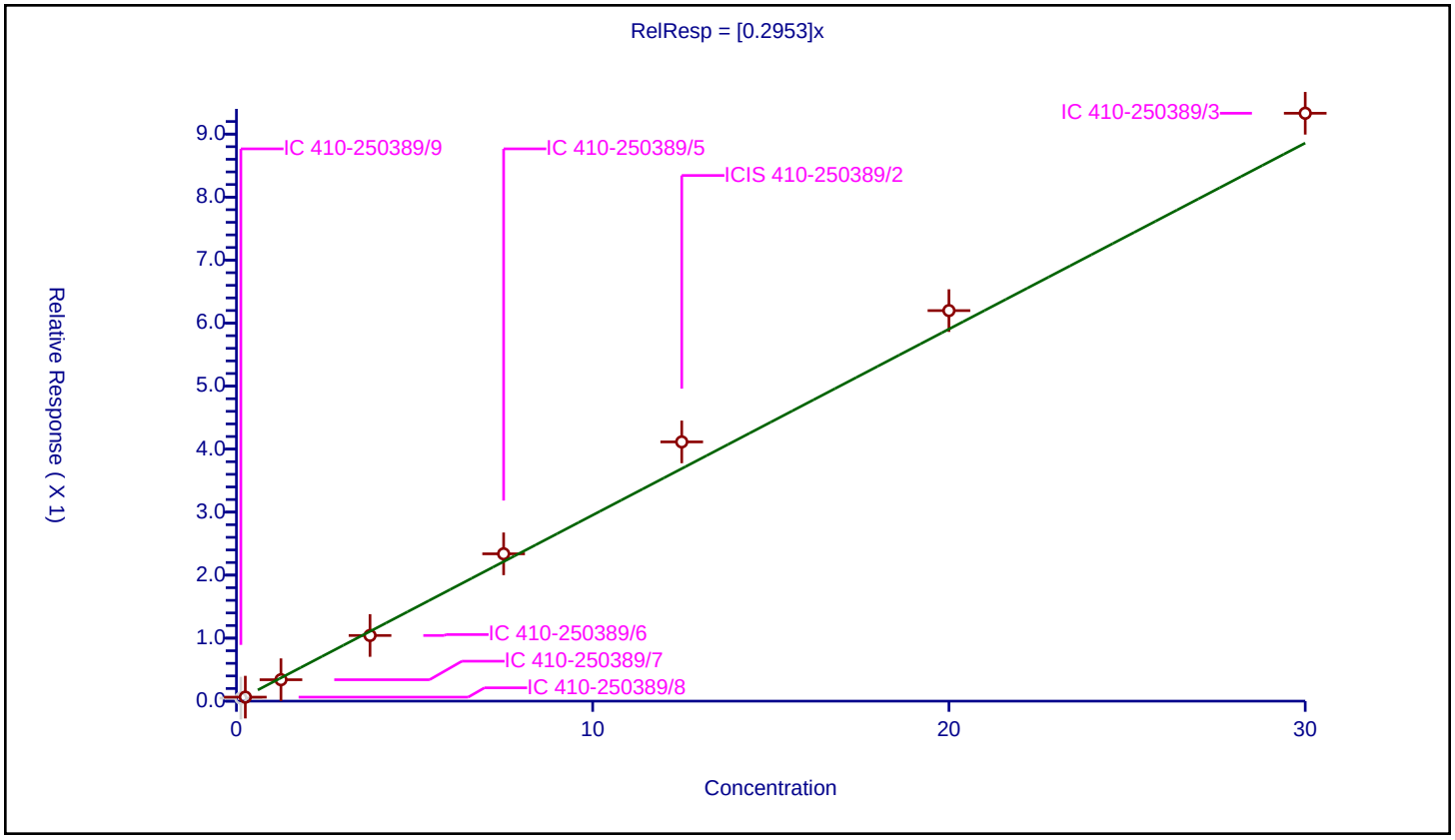
Curve Coefficients

Intercept:	0
Slope:	0.2953

Error Coefficients

Standard Error:	585000
Relative Standard Error:	9.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.047707	5.0	571826.0	0.381655	N
2	IC 410-250389/8	0.25	0.063737	5.0	673312.0	0.254949	Y
3	IC 410-250389/7	1.25	0.339998	5.0	577857.0	0.271998	Y
4	IC 410-250389/6	3.75	1.042043	5.0	545774.0	0.277878	Y
5	IC 410-250389/5	7.5	2.338499	5.0	521886.0	0.3118	Y
6	ICIS 410-250389/2	12.5	4.114705	5.0	477406.0	0.329176	Y
7	IC 410-250389/4	20.0	6.198578	5.0	580125.0	0.309929	Y
8	IC 410-250389/3	30.0	9.330746	5.0	613325.0	0.311025	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

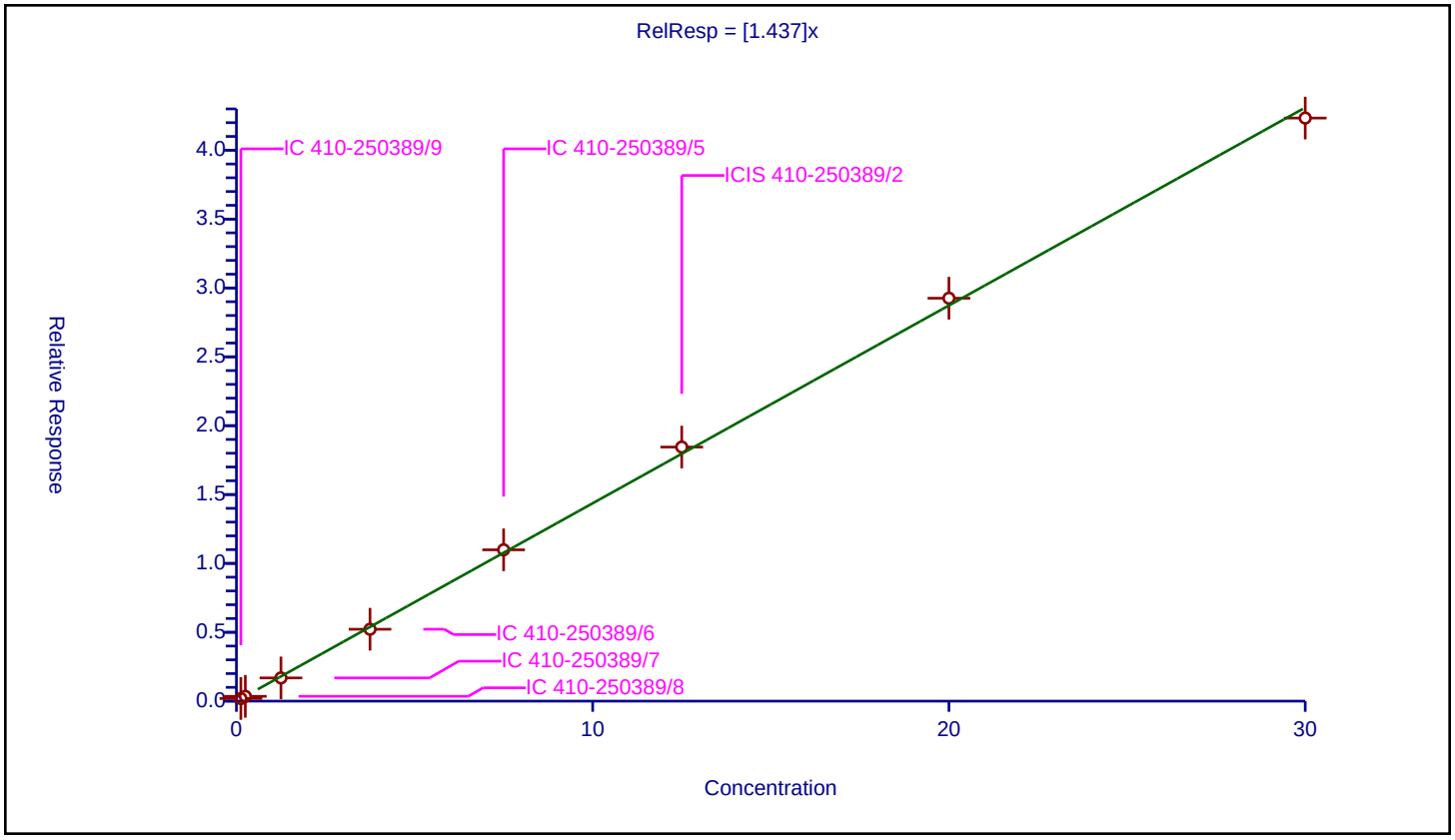
Curve Coefficients

Intercept:	0
Slope:	1.437

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	4.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.19297	5.0	571826.0	1.543756	Y
2	IC 410-250389/8	0.25	0.348264	5.0	673312.0	1.393054	Y
3	IC 410-250389/7	1.25	1.68578	5.0	577857.0	1.348624	Y
4	IC 410-250389/6	3.75	5.220256	5.0	545774.0	1.392068	Y
5	IC 410-250389/5	7.5	10.987467	5.0	521886.0	1.464996	Y
6	ICIS 410-250389/2	12.5	18.446951	5.0	477406.0	1.475756	Y
7	IC 410-250389/4	20.0	29.255066	5.0	580125.0	1.462753	Y
8	IC 410-250389/3	30.0	42.335238	5.0	613325.0	1.411175	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

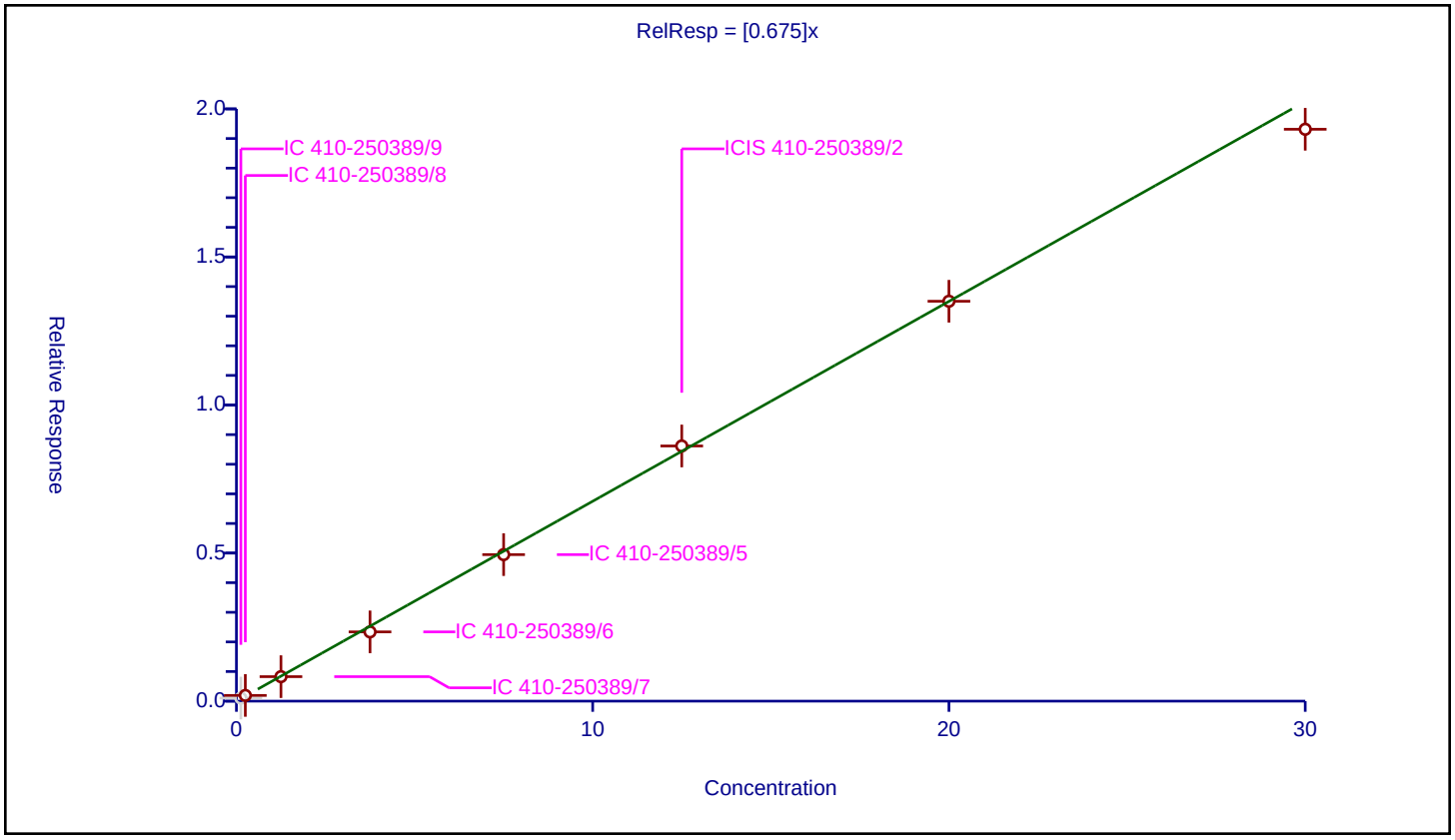
Curve Coefficients

Intercept:	0
Slope:	0.675

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	7.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.103773	5.0	571826.0	0.830183	N
2	IC 410-250389/8	0.25	0.192994	5.0	673312.0	0.771975	Y
3	IC 410-250389/7	1.25	0.826632	5.0	577857.0	0.661305	Y
4	IC 410-250389/6	3.75	2.338779	5.0	545774.0	0.623675	Y
5	IC 410-250389/5	7.5	4.947948	5.0	521886.0	0.659726	Y
6	ICIS 410-250389/2	12.5	8.616827	5.0	477406.0	0.689346	Y
7	IC 410-250389/4	20.0	13.504615	5.0	580125.0	0.675231	Y
8	IC 410-250389/3	30.0	19.312004	5.0	613325.0	0.643733	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

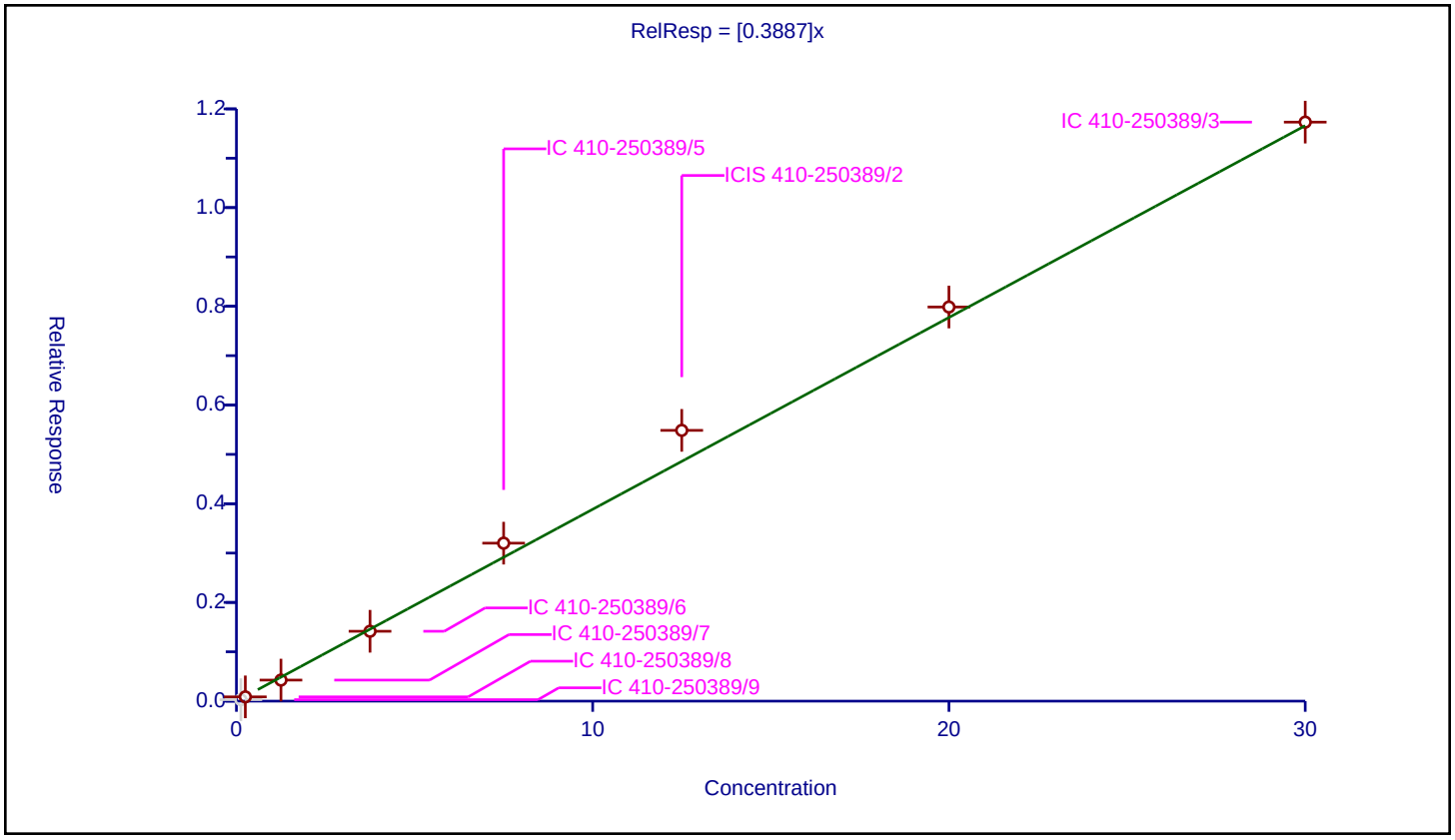
Curve Coefficients

Intercept:	0
Slope:	0.3887

Error Coefficients

Standard Error:	746000
Relative Standard Error:	9.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.029913	5.0	571826.0	0.239304	N
2	IC 410-250389/8	0.25	0.086468	5.0	673312.0	0.345872	Y
3	IC 410-250389/7	1.25	0.426654	5.0	577857.0	0.341323	Y
4	IC 410-250389/6	3.75	1.415558	5.0	545774.0	0.377482	Y
5	IC 410-250389/5	7.5	3.200929	5.0	521886.0	0.426791	Y
6	ICIS 410-250389/2	12.5	5.486326	5.0	477406.0	0.438906	Y
7	IC 410-250389/4	20.0	7.985495	5.0	580125.0	0.399275	Y
8	IC 410-250389/3	30.0	11.731904	5.0	613325.0	0.391063	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

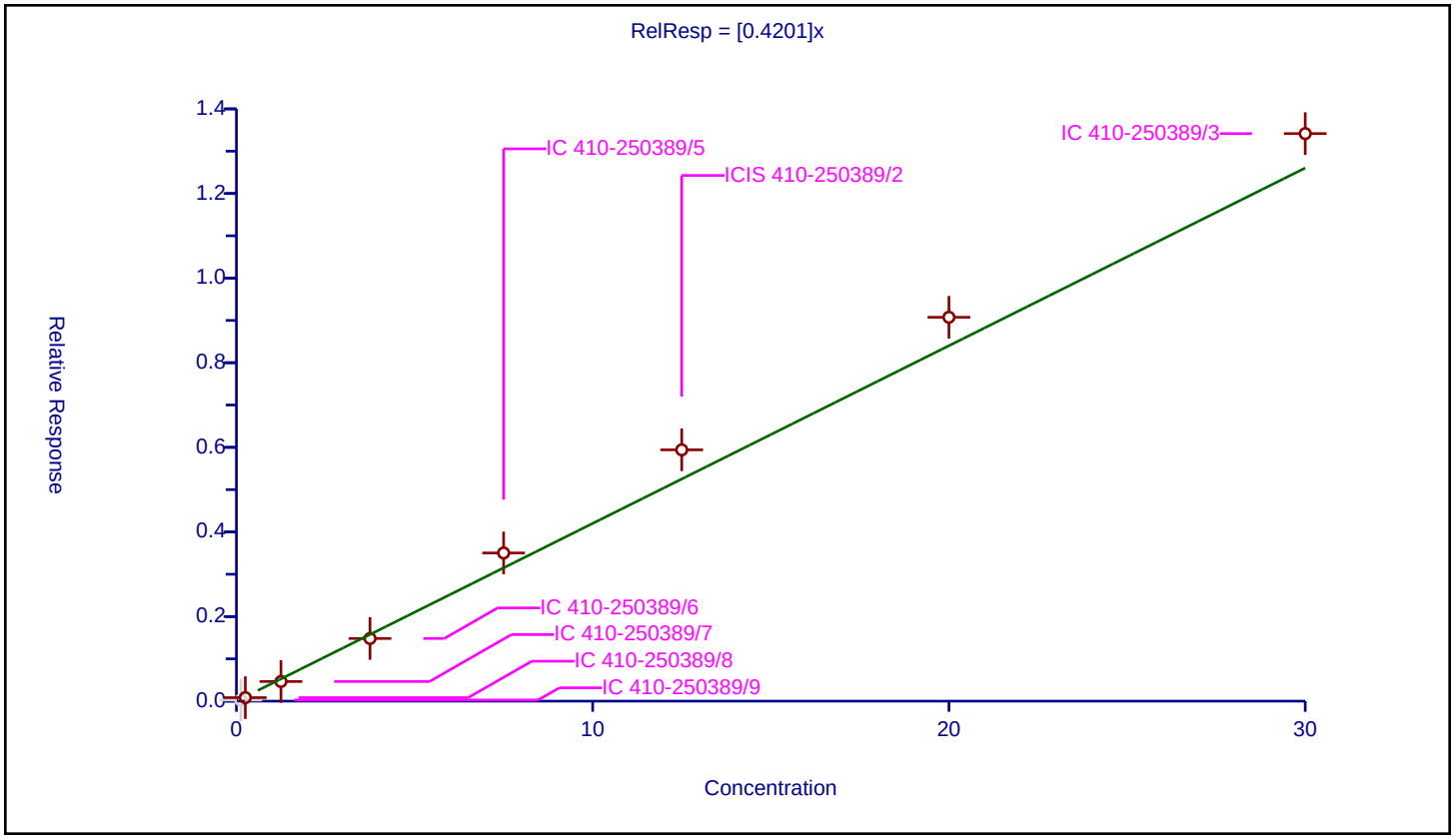
Curve Coefficients

Intercept:	0
Slope:	0.4201

Error Coefficients

Standard Error:	847000
Relative Standard Error:	13.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.026328	5.0	571826.0	0.210624	N
2	IC 410-250389/8	0.25	0.082815	5.0	673312.0	0.331258	Y
3	IC 410-250389/7	1.25	0.464051	5.0	577857.0	0.371241	Y
4	IC 410-250389/6	3.75	1.481218	5.0	545774.0	0.394991	Y
5	IC 410-250389/5	7.5	3.502738	5.0	521886.0	0.467032	Y
6	ICIS 410-250389/2	12.5	5.94051	5.0	477406.0	0.475241	Y
7	IC 410-250389/4	20.0	9.073812	5.0	580125.0	0.453691	Y
8	IC 410-250389/3	30.0	13.415897	5.0	613325.0	0.447197	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

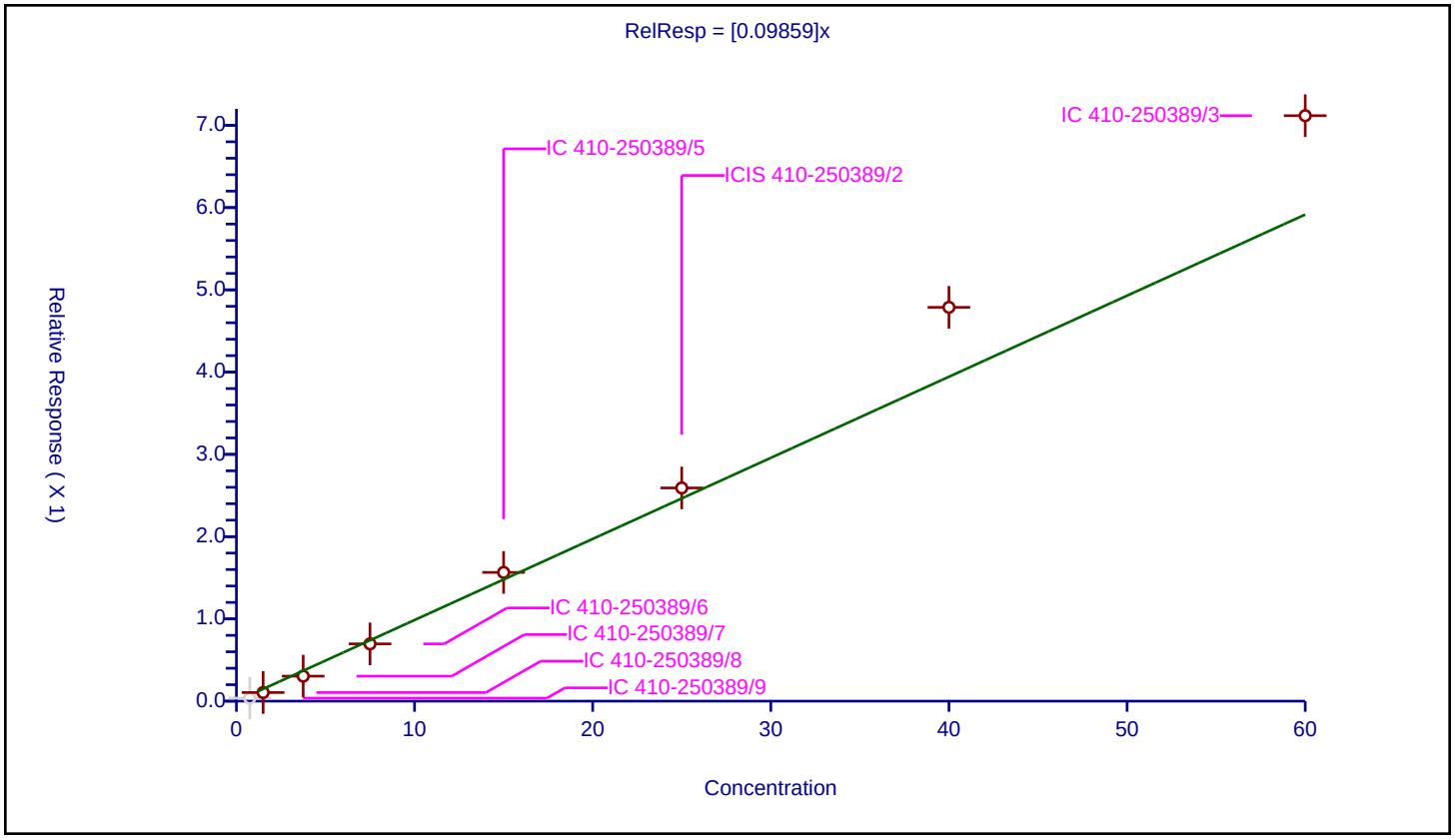
Curve Coefficients

Intercept:	0
Slope:	0.09859

Error Coefficients

Standard Error:	861000
Relative Standard Error:	18.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.75	0.036749	5.0	1145463.0	0.048999	N
2	IC 410-250389/8	1.5	0.104825	5.0	1296539.0	0.069883	Y
3	IC 410-250389/7	3.75	0.304022	5.0	1155838.0	0.081072	Y
4	IC 410-250389/6	7.5	0.696273	5.0	1024763.0	0.092836	Y
5	IC 410-250389/5	15.0	1.565189	5.0	1053799.0	0.104346	Y
6	ICIS 410-250389/2	25.0	2.59179	5.0	1002967.0	0.103672	Y
7	IC 410-250389/4	40.0	4.787563	5.0	1131795.0	0.119689	Y
8	IC 410-250389/3	60.0	7.117416	5.0	1189280.0	0.118624	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

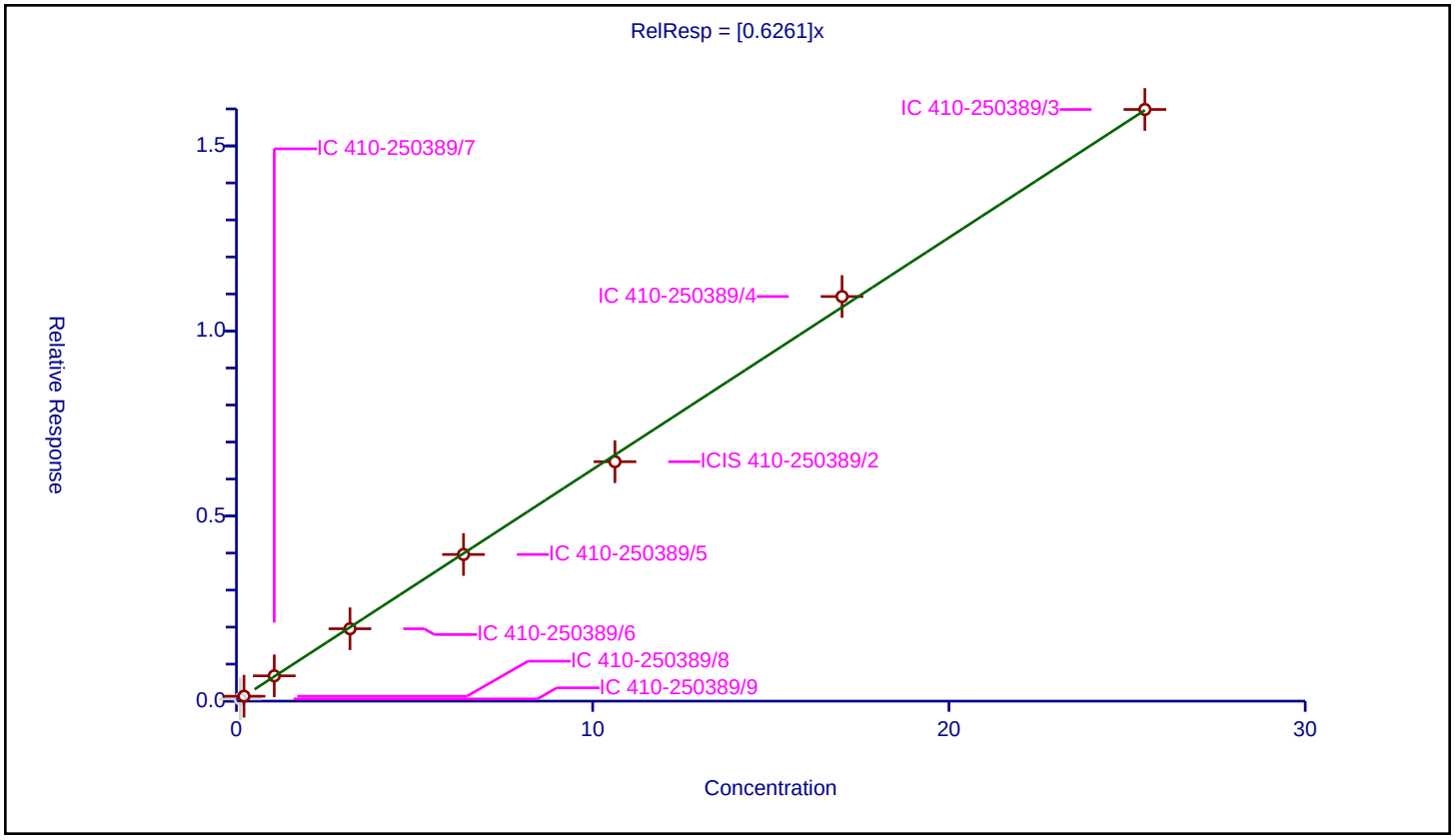
Curve Coefficients

Intercept:	0
Slope:	0.6261

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	2.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.10625	0.059308	5.0	1145463.0	0.558192	N
2	IC 410-250389/8	0.2125	0.132993	5.0	1296539.0	0.625847	Y
3	IC 410-250389/7	1.0625	0.683547	5.0	1155838.0	0.643339	Y
4	IC 410-250389/6	3.1875	1.955525	5.0	1024763.0	0.613498	Y
5	IC 410-250389/5	6.375	3.961866	5.0	1053799.0	0.621469	Y
6	ICIS 410-250389/2	10.625	6.468922	5.0	1002967.0	0.60884	Y
7	IC 410-250389/4	17.0	10.930535	5.0	1131795.0	0.642973	Y
8	IC 410-250389/3	25.5	15.984642	5.0	1189280.0	0.626849	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

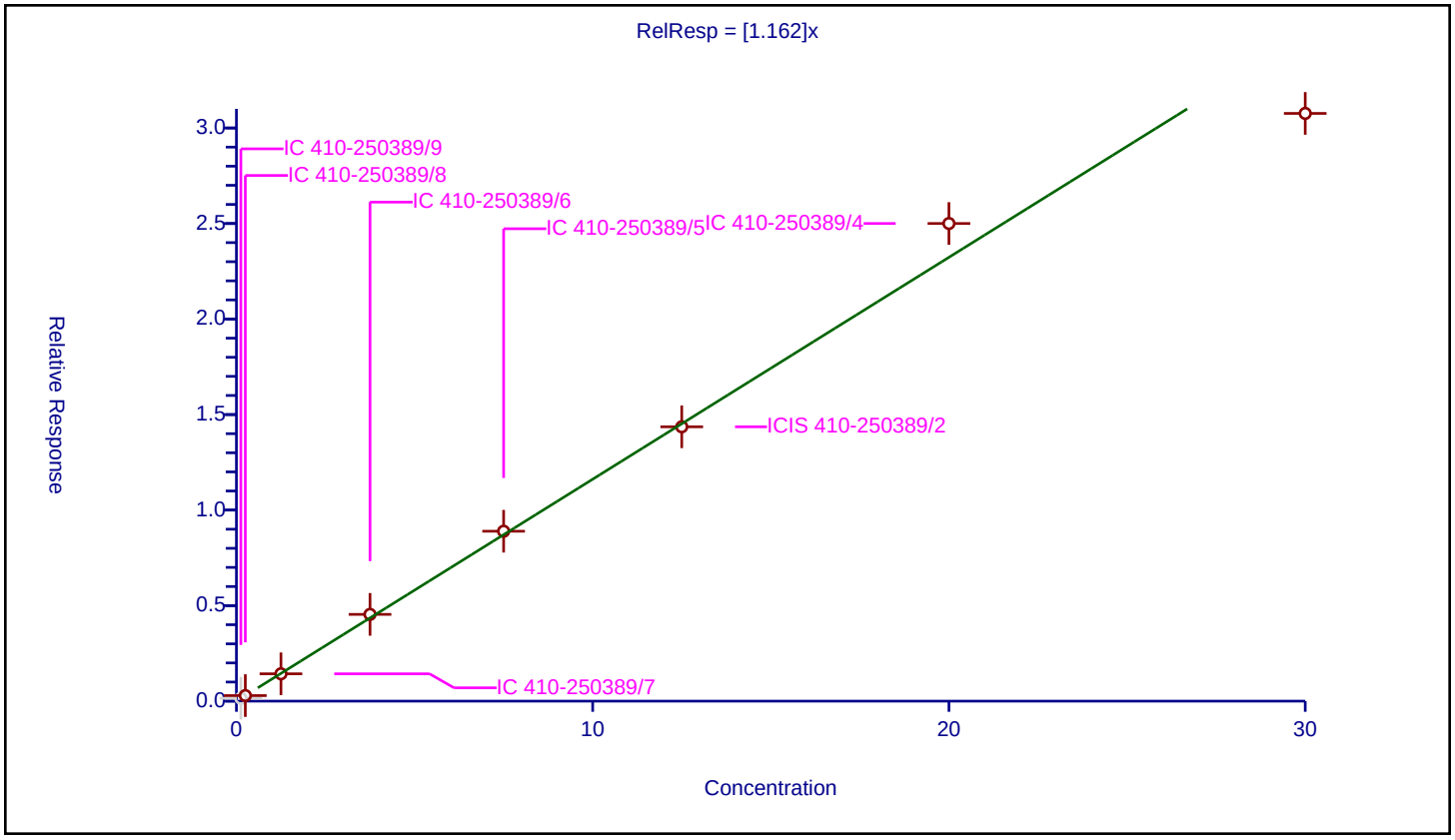
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Standard Error:	4050000
Relative Standard Error:	6.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.152995	5.0	1145463.0	1.223959	N
2	IC 410-250389/8	0.25	0.291337	5.0	1296539.0	1.165349	Y
3	IC 410-250389/7	1.25	1.431066	5.0	1155838.0	1.144852	Y
4	IC 410-250389/6	3.75	4.540625	5.0	1024763.0	1.210833	Y
5	IC 410-250389/5	7.5	8.893314	5.0	1053799.0	1.185775	Y
6	ICIS 410-250389/2	12.5	14.359899	5.0	1002967.0	1.148792	Y
7	IC 410-250389/4	20.0	25.0014	5.0	1131795.0	1.25007	Y
8	IC 410-250389/3	30.0	30.76363	5.0	1189280.0	1.025454	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

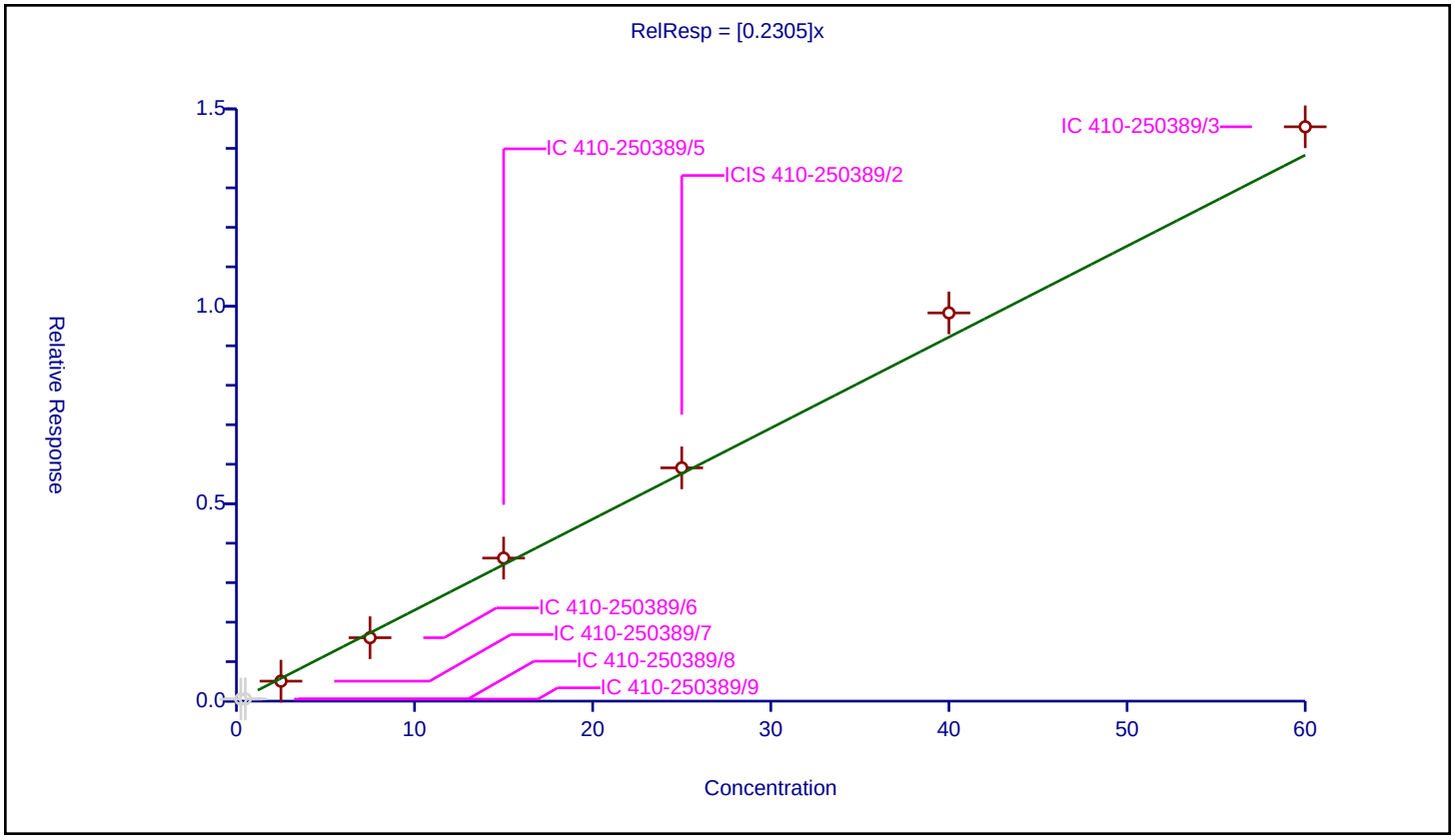
Curve Coefficients

Intercept:	0
Slope:	0.2305

Error Coefficients

Standard Error:	998000
Relative Standard Error:	7.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.052	5.0	571826.0	0.208	N
2	IC 410-250389/8	0.5	0.057321	5.0	673312.0	0.114642	N
3	IC 410-250389/7	2.5	0.506483	5.0	577857.0	0.202593	Y
4	IC 410-250389/6	7.5	1.606416	5.0	545774.0	0.214189	Y
5	IC 410-250389/5	15.0	3.623301	5.0	521886.0	0.241553	Y
6	ICIS 410-250389/2	25.0	5.908818	5.0	477406.0	0.236353	Y
7	IC 410-250389/4	40.0	9.833139	5.0	580125.0	0.245828	Y
8	IC 410-250389/3	60.0	14.546774	5.0	613325.0	0.242446	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

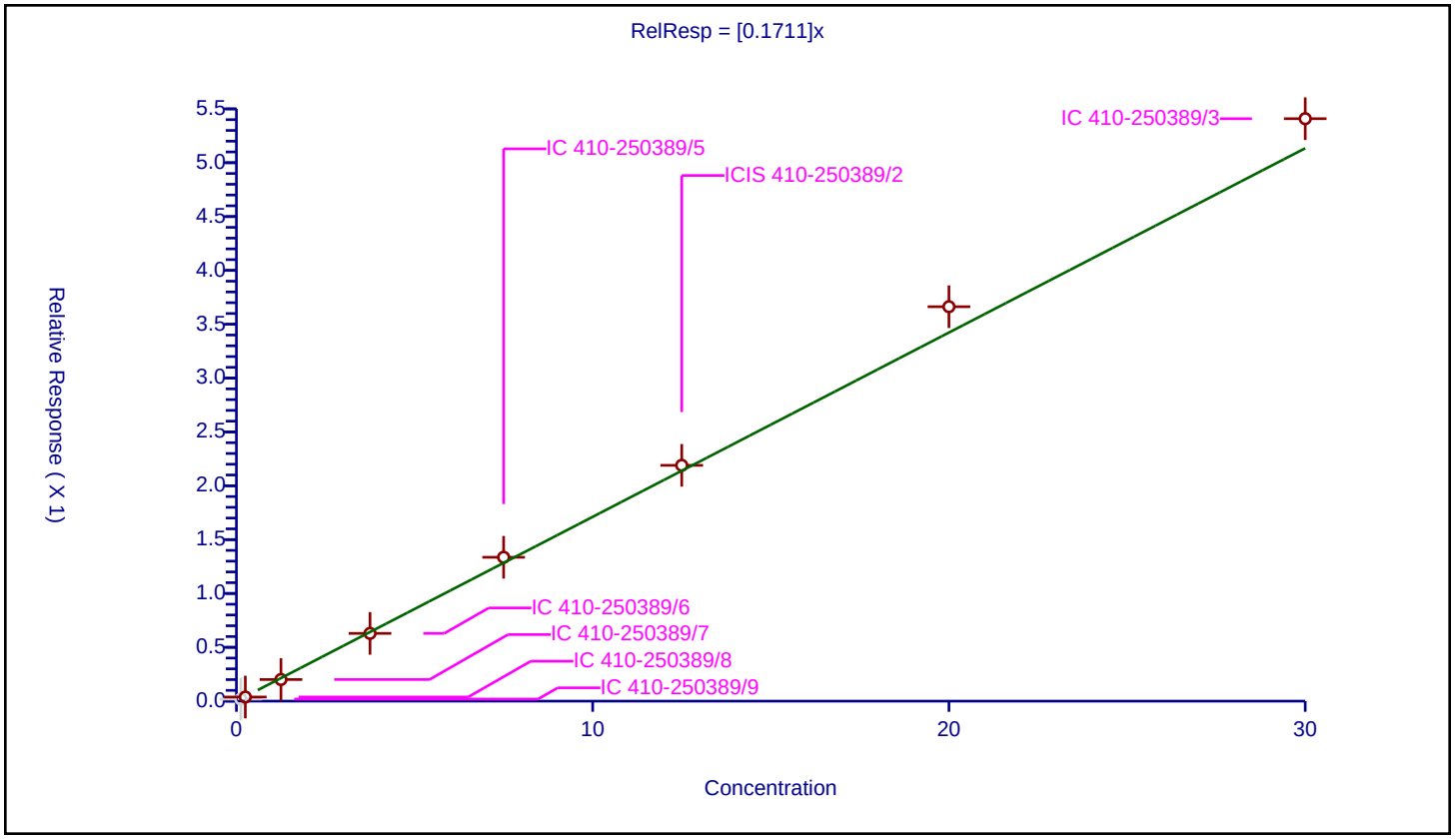
Curve Coefficients

Intercept:	0
Slope:	0.1711

Error Coefficients

Standard Error:	663000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.019206	5.0	1145463.0	0.15365	N
2	IC 410-250389/8	0.25	0.038252	5.0	1296539.0	0.153007	Y
3	IC 410-250389/7	1.25	0.200608	5.0	1155838.0	0.160486	Y
4	IC 410-250389/6	3.75	0.629102	5.0	1024763.0	0.16776	Y
5	IC 410-250389/5	7.5	1.336132	5.0	1053799.0	0.178151	Y
6	ICIS 410-250389/2	12.5	2.189798	5.0	1002967.0	0.175184	Y
7	IC 410-250389/4	20.0	3.662987	5.0	1131795.0	0.183149	Y
8	IC 410-250389/3	30.0	5.408962	5.0	1189280.0	0.180299	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

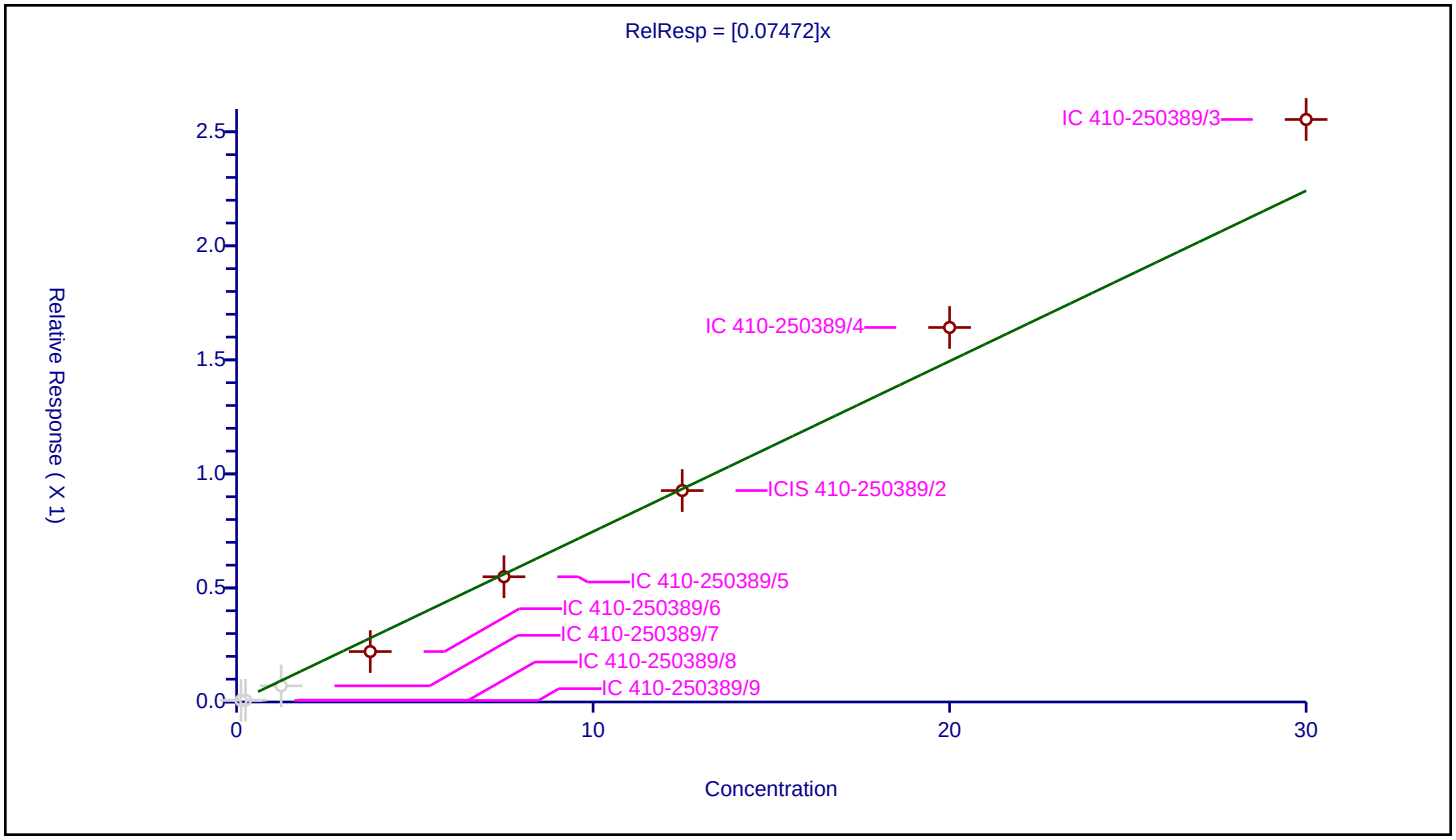
Curve Coefficients

Intercept:	0
Slope:	0.07472

Error Coefficients

Standard Error:	373000
Relative Standard Error:	13.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.006827	5.0	1145463.0	0.054615	N
2	IC 410-250389/8	0.25	0.008203	5.0	1296539.0	0.03281	N
3	IC 410-250389/7	1.25	0.070849	5.0	1155838.0	0.056679	N
4	IC 410-250389/6	3.75	0.221149	5.0	1024763.0	0.058973	Y
5	IC 410-250389/5	7.5	0.549175	5.0	1053799.0	0.073223	Y
6	ICIS 410-250389/2	12.5	0.927025	5.0	1002967.0	0.074162	Y
7	IC 410-250389/4	20.0	1.642179	5.0	1131795.0	0.082109	Y
8	IC 410-250389/3	30.0	2.554213	5.0	1189280.0	0.08514	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

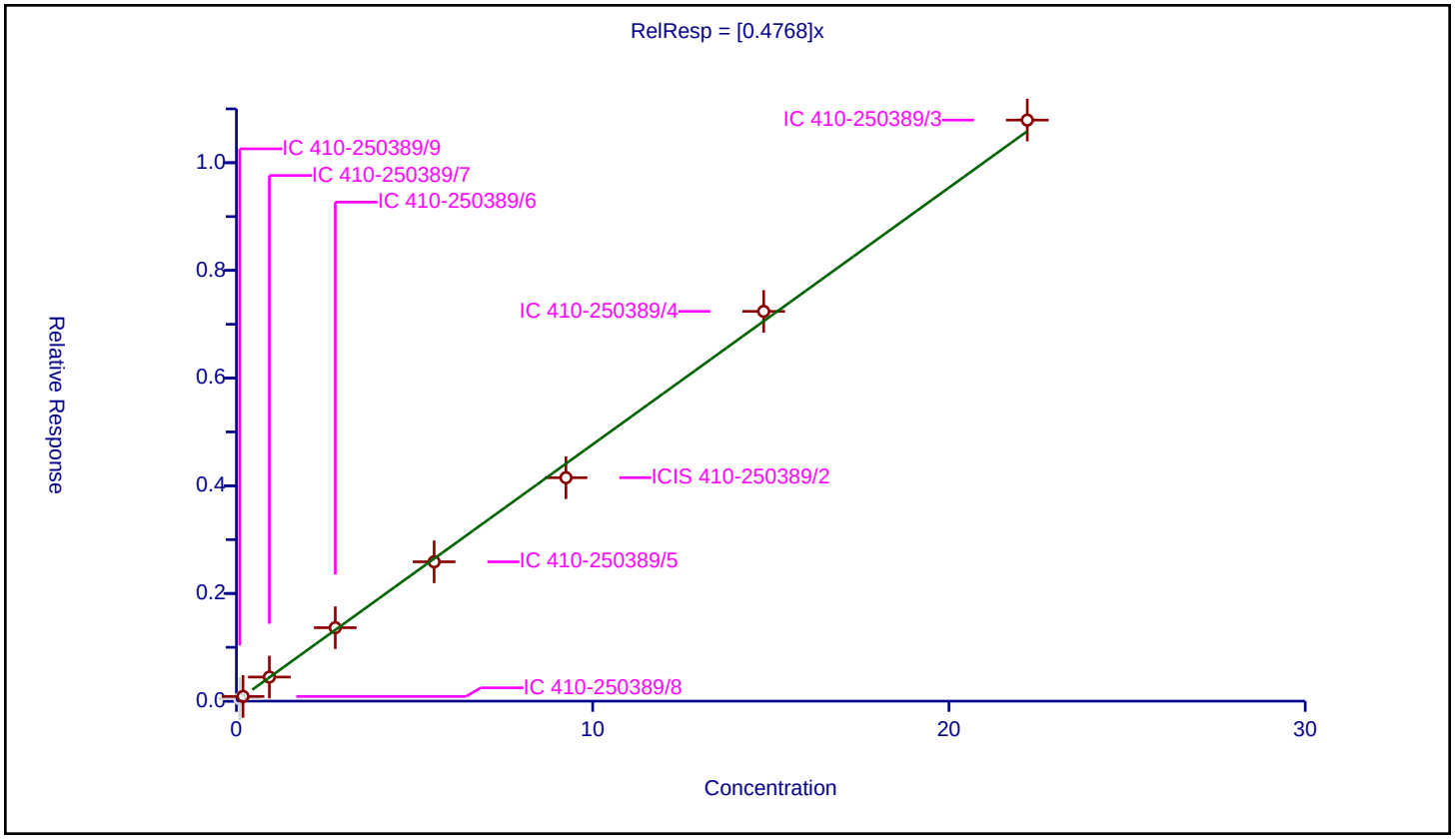
Curve Coefficients

Intercept:	0
Slope:	0.4768

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.0925	0.044113	5.0	1145463.0	0.476899	N
2	IC 410-250389/8	0.185	0.087413	5.0	1296539.0	0.472505	Y
3	IC 410-250389/7	0.925	0.44732	5.0	1155838.0	0.48359	Y
4	IC 410-250389/6	2.775	1.364125	5.0	1024763.0	0.491577	Y
5	IC 410-250389/5	5.55	2.587742	5.0	1053799.0	0.46626	Y
6	ICIS 410-250389/2	9.25	4.150166	5.0	1002967.0	0.448667	Y
7	IC 410-250389/4	14.8	7.239195	5.0	1131795.0	0.489135	Y
8	IC 410-250389/3	22.2	10.792282	5.0	1189280.0	0.486139	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

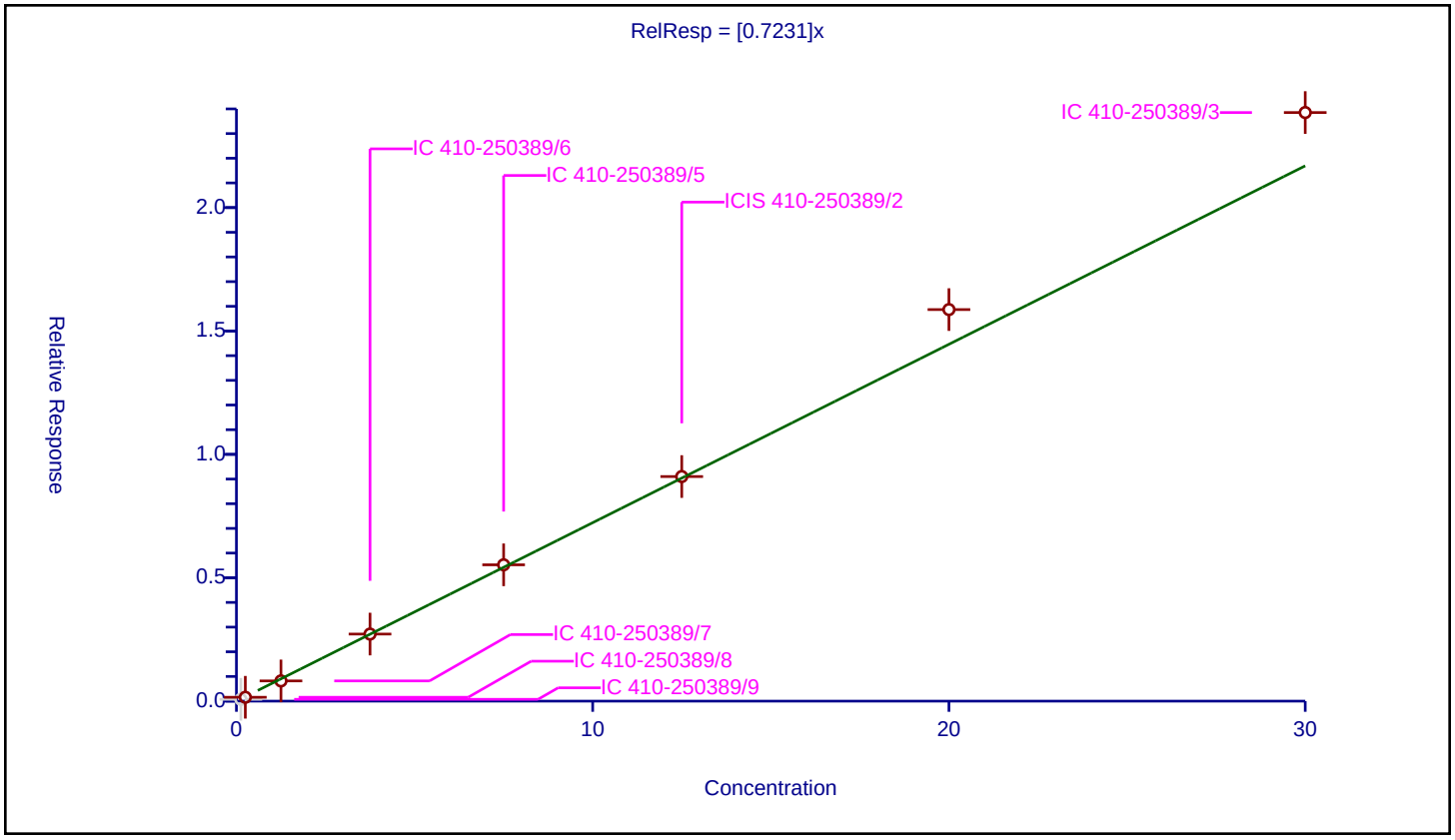
Curve Coefficients

Intercept:	0
Slope:	0.7231

Error Coefficients

Standard Error:	2890000
Relative Standard Error:	8.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.074319	5.0	1145463.0	0.594554	N
2	IC 410-250389/8	0.25	0.15691	5.0	1296539.0	0.62764	Y
3	IC 410-250389/7	1.25	0.819643	5.0	1155838.0	0.655715	Y
4	IC 410-250389/6	3.75	2.718721	5.0	1024763.0	0.724992	Y
5	IC 410-250389/5	7.5	5.524673	5.0	1053799.0	0.736623	Y
6	ICIS 410-250389/2	12.5	9.10166	5.0	1002967.0	0.728133	Y
7	IC 410-250389/4	20.0	15.867675	5.0	1131795.0	0.793384	Y
8	IC 410-250389/3	30.0	23.851667	5.0	1189280.0	0.795056	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

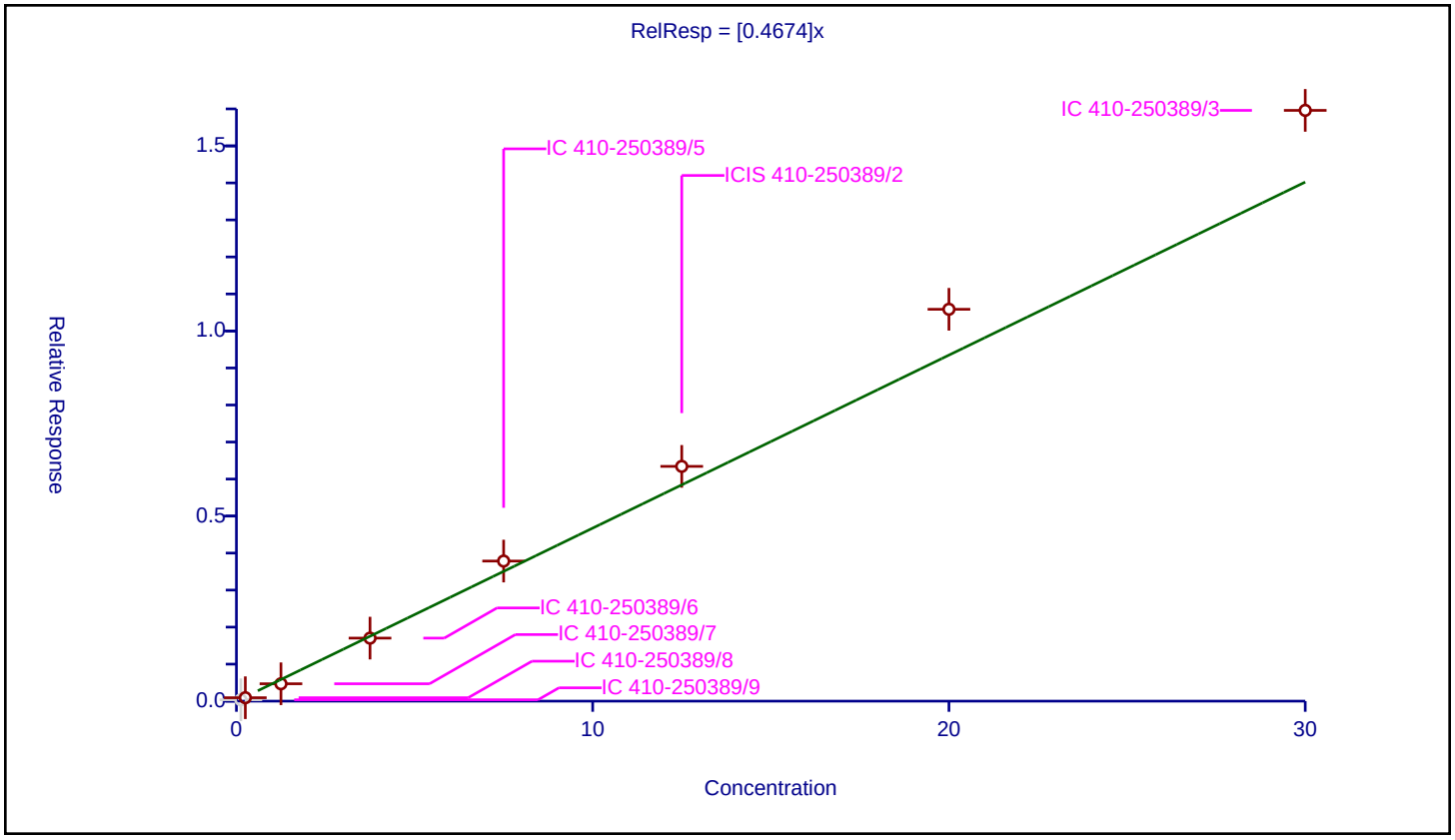
Curve Coefficients

Intercept:	0
Slope:	0.4674

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	14.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.036972	5.0	1145463.0	0.295776	N
2	IC 410-250389/8	0.25	0.092296	5.0	1296539.0	0.369183	Y
3	IC 410-250389/7	1.25	0.469356	5.0	1155838.0	0.375485	Y
4	IC 410-250389/6	3.75	1.702423	5.0	1024763.0	0.453979	Y
5	IC 410-250389/5	7.5	3.784194	5.0	1053799.0	0.504559	Y
6	ICIS 410-250389/2	12.5	6.342442	5.0	1002967.0	0.507395	Y
7	IC 410-250389/4	20.0	10.586268	5.0	1131795.0	0.529313	Y
8	IC 410-250389/3	30.0	15.959644	5.0	1189280.0	0.531988	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

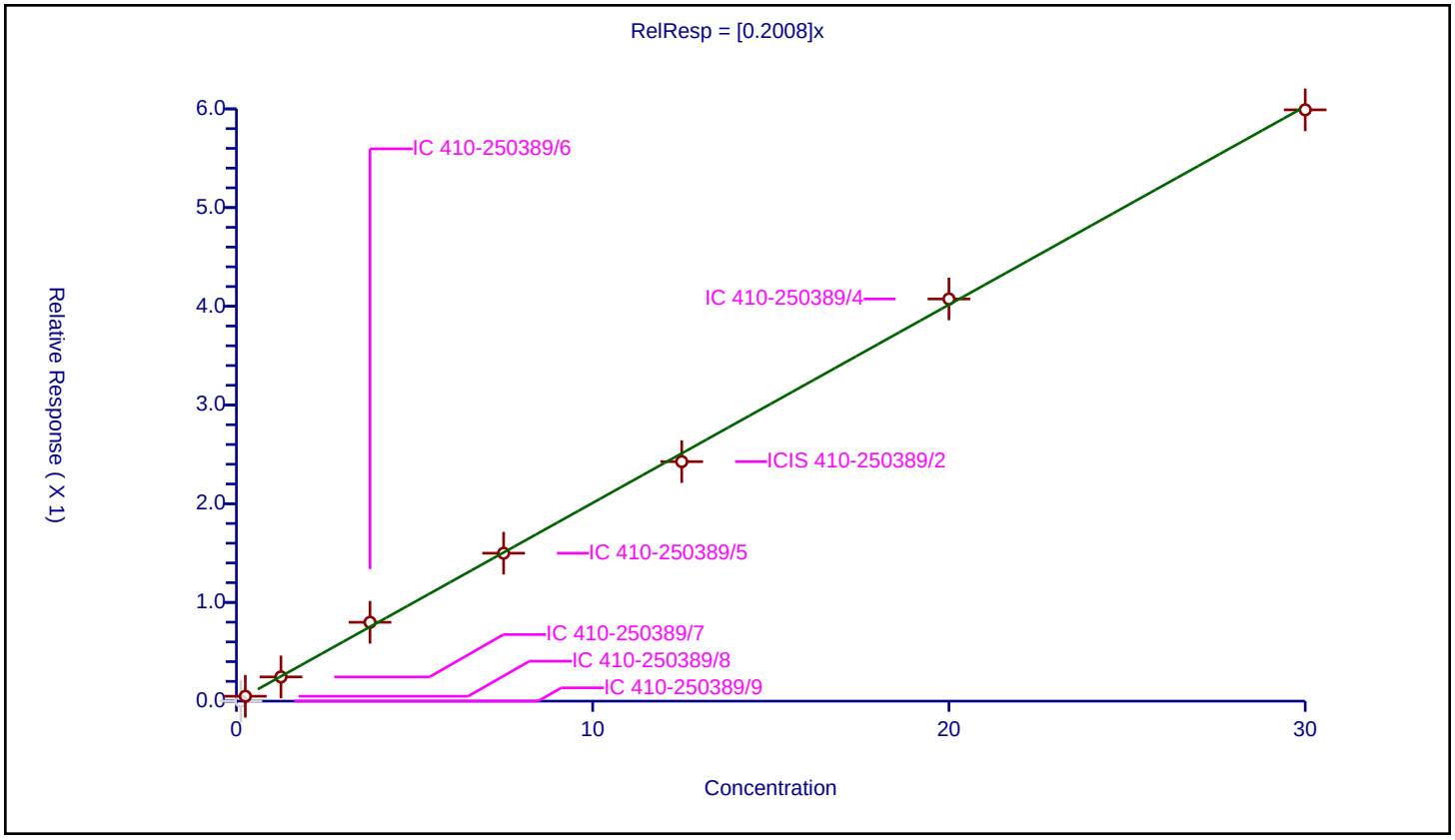
Curve Coefficients

Intercept:	0
Slope:	0.2008

Error Coefficients

Standard Error:	736000
Relative Standard Error:	3.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.0	5.0	1145463.0	0.0	N
2	IC 410-250389/8	0.25	0.049729	5.0	1296539.0	0.198914	Y
3	IC 410-250389/7	1.25	0.245476	5.0	1155838.0	0.19638	Y
4	IC 410-250389/6	3.75	0.79876	5.0	1024763.0	0.213003	Y
5	IC 410-250389/5	7.5	1.498815	5.0	1053799.0	0.199842	Y
6	ICIS 410-250389/2	12.5	2.426486	5.0	1002967.0	0.194119	Y
7	IC 410-250389/4	20.0	4.074232	5.0	1131795.0	0.203712	Y
8	IC 410-250389/3	30.0	5.990217	5.0	1189280.0	0.199674	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

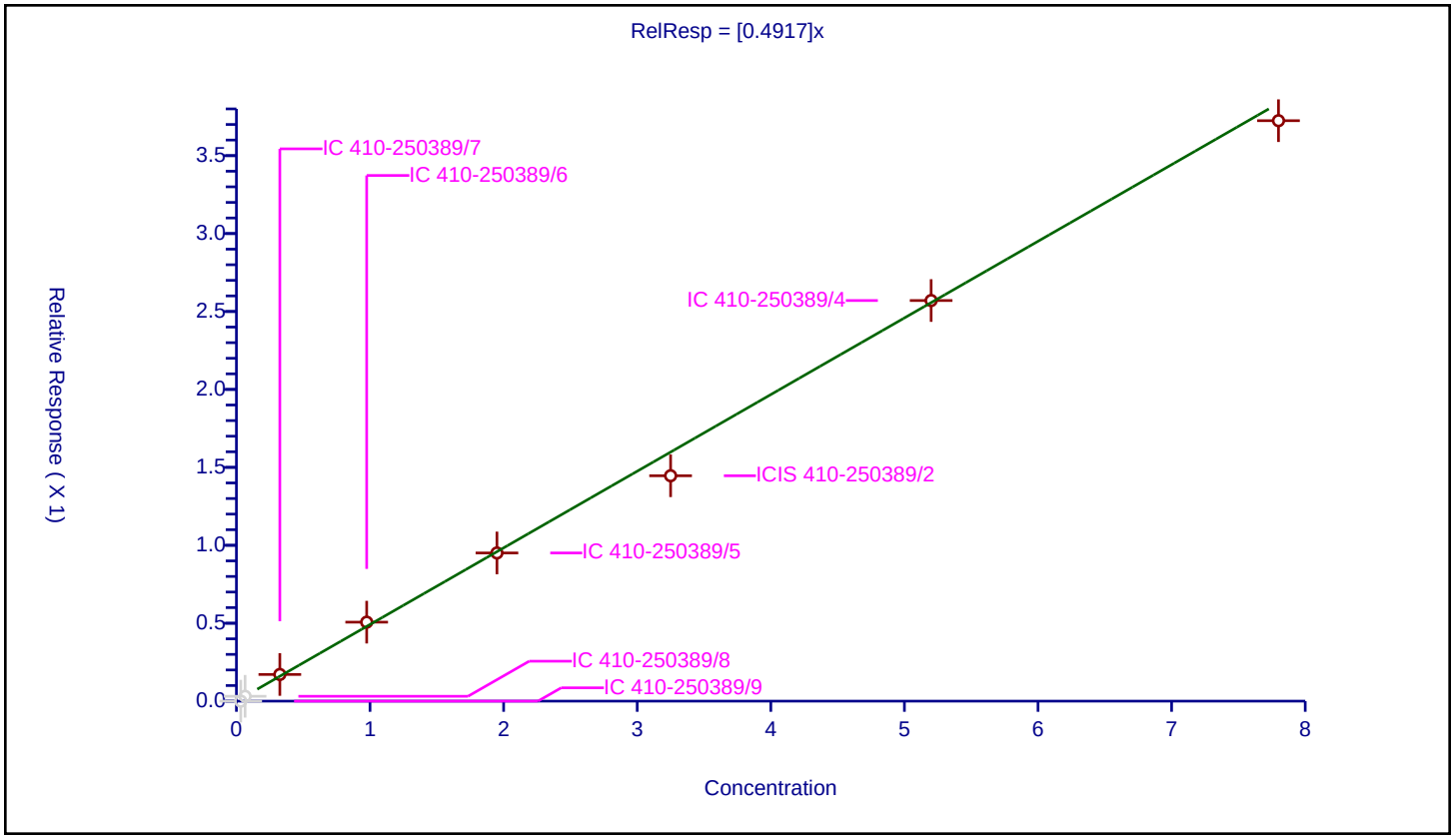
Curve Coefficients

Intercept:	0
Slope:	0.4917

Error Coefficients

Standard Error:	502000
Relative Standard Error:	6.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.0325	0.0	5.0	1145463.0	0.0	N
2	IC 410-250389/8	0.065	0.031148	5.0	1296539.0	0.479205	N
3	IC 410-250389/7	0.325	0.171101	5.0	1155838.0	0.526465	Y
4	IC 410-250389/6	0.975	0.506703	5.0	1024763.0	0.519695	Y
5	IC 410-250389/5	1.95	0.950798	5.0	1053799.0	0.487589	Y
6	ICIS 410-250389/2	3.25	1.446099	5.0	1002967.0	0.444954	Y
7	IC 410-250389/4	5.2	2.570359	5.0	1131795.0	0.4943	Y
8	IC 410-250389/3	7.8	3.724274	5.0	1189280.0	0.477471	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

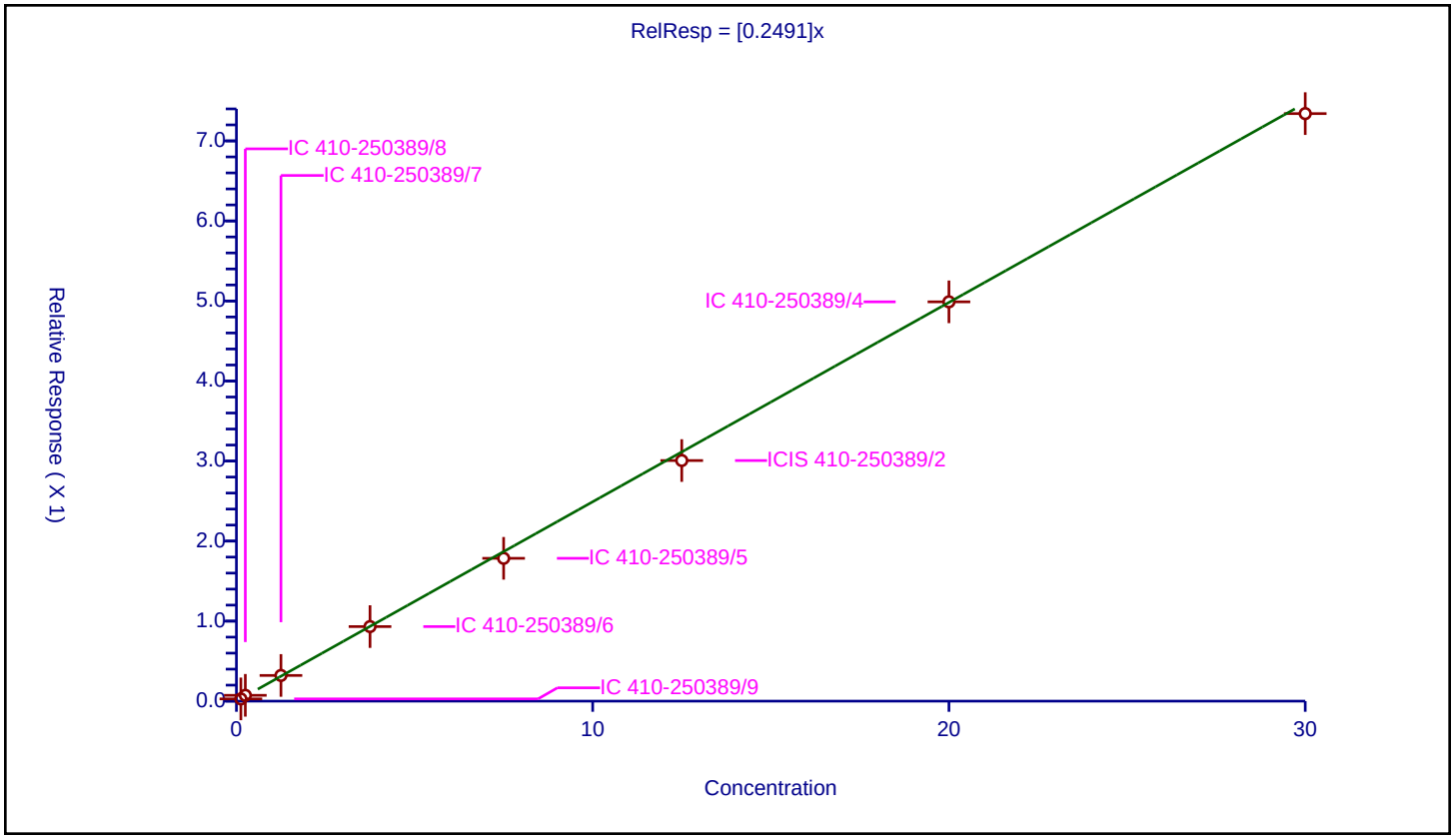
Curve Coefficients

Intercept:	0
Slope:	0.2491

Error Coefficients

Standard Error:	834000
Relative Standard Error:	7.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.027997	5.0	1145463.0	0.223979	Y
2	IC 410-250389/8	0.25	0.072736	5.0	1296539.0	0.290944	Y
3	IC 410-250389/7	1.25	0.320984	5.0	1155838.0	0.256787	Y
4	IC 410-250389/6	3.75	0.93162	5.0	1024763.0	0.248432	Y
5	IC 410-250389/5	7.5	1.784619	5.0	1053799.0	0.237949	Y
6	ICIS 410-250389/2	12.5	3.006211	5.0	1002967.0	0.240497	Y
7	IC 410-250389/4	20.0	4.989238	5.0	1131795.0	0.249462	Y
8	IC 410-250389/3	30.0	7.341206	5.0	1189280.0	0.244707	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

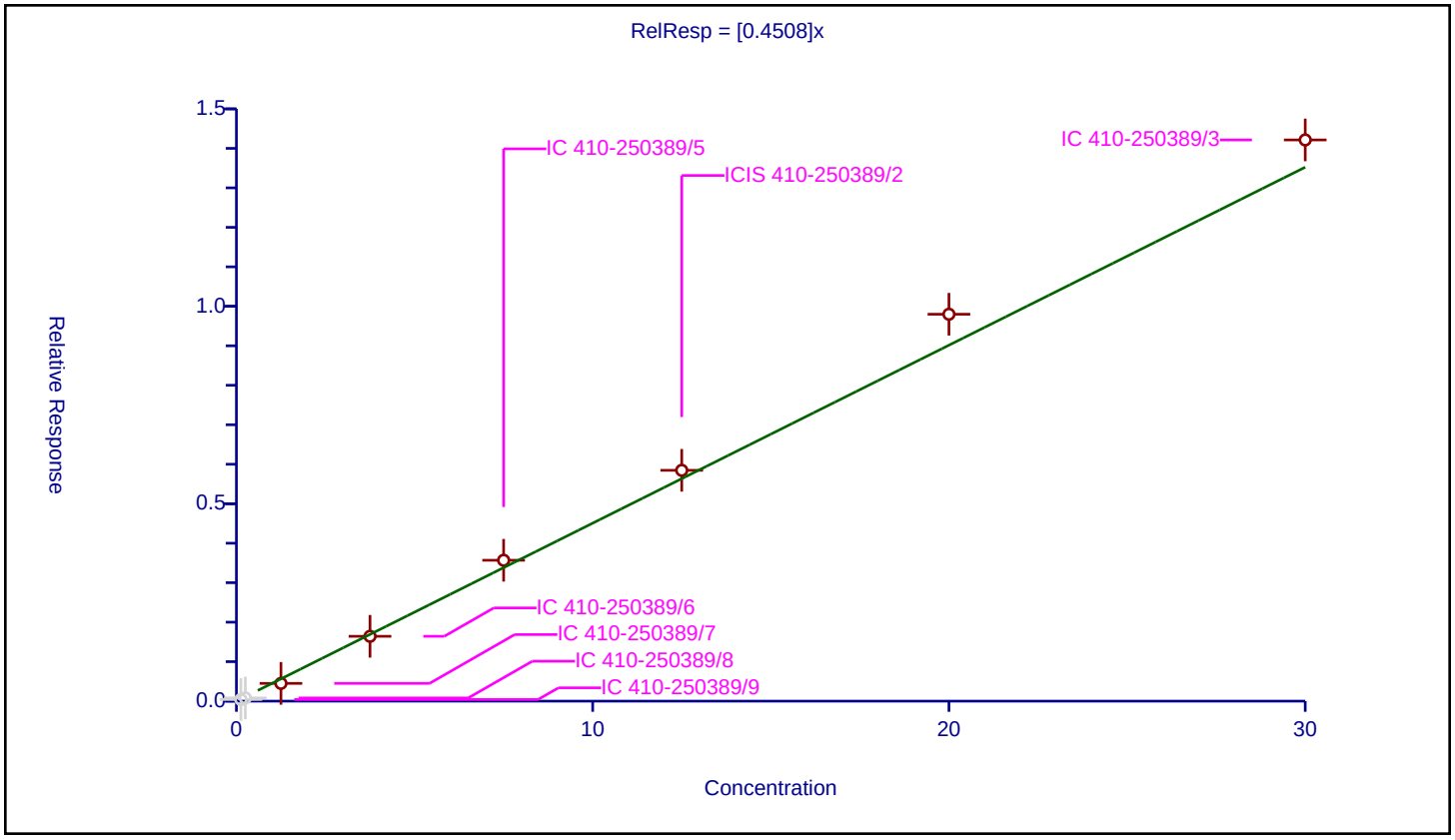
Curve Coefficients

Intercept:	0
Slope:	0.4508

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	10.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.041276	5.0	1145463.0	0.330207	N
2	IC 410-250389/8	0.25	0.080457	5.0	1296539.0	0.321826	N
3	IC 410-250389/7	1.25	0.449362	5.0	1155838.0	0.35949	Y
4	IC 410-250389/6	3.75	1.642092	5.0	1024763.0	0.437891	Y
5	IC 410-250389/5	7.5	3.567962	5.0	1053799.0	0.475728	Y
6	ICIS 410-250389/2	12.5	5.8459	5.0	1002967.0	0.467672	Y
7	IC 410-250389/4	20.0	9.79897	5.0	1131795.0	0.489948	Y
8	IC 410-250389/3	30.0	14.213491	5.0	1189280.0	0.473783	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

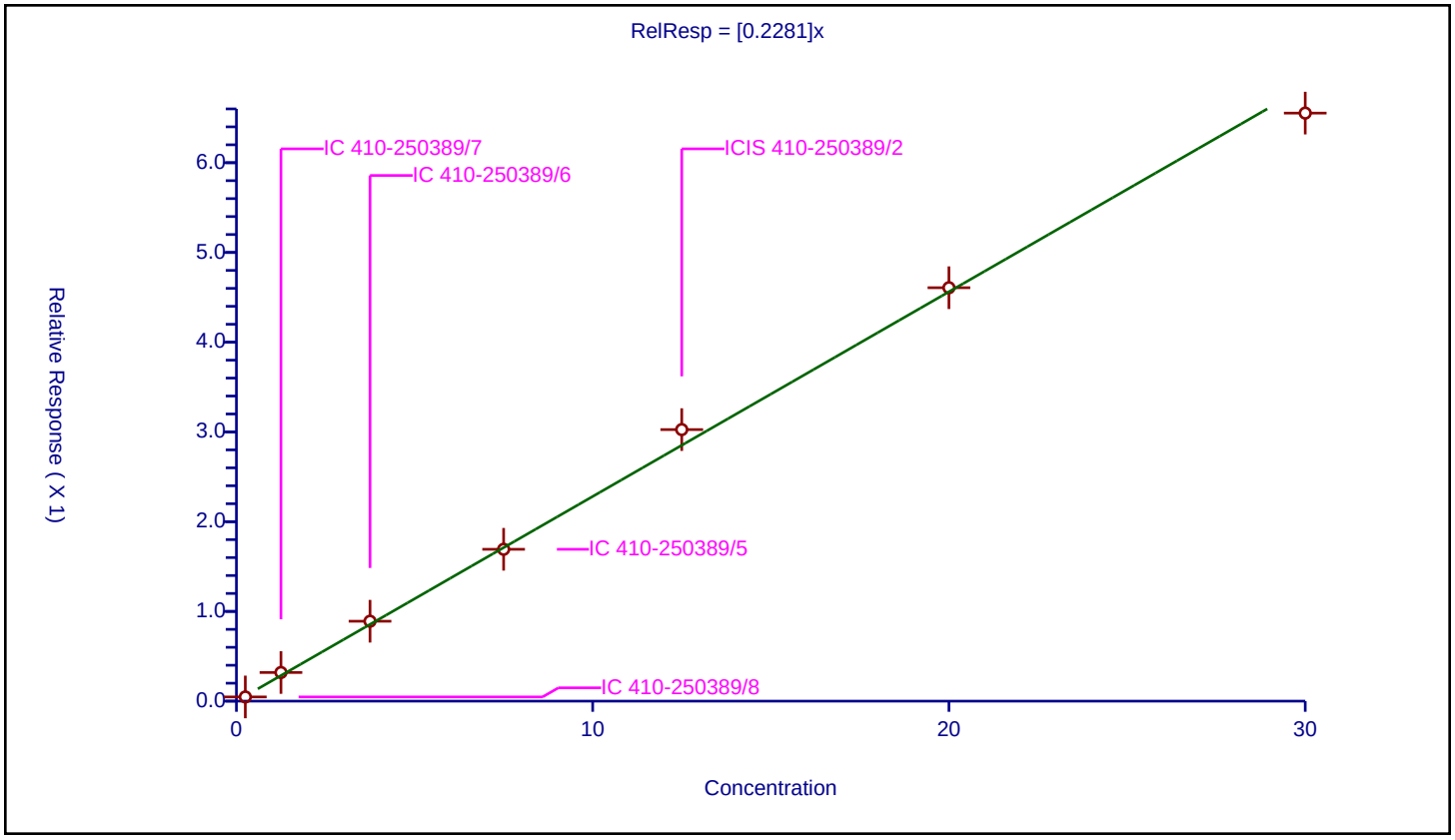
Curve Coefficients

Intercept:	0
Slope:	0.2281

Error Coefficients

Standard Error:	822000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/8	0.25	0.046832	5.0	1296539.0	0.187329	Y
2	IC 410-250389/7	1.25	0.31918	5.0	1155838.0	0.255344	Y
3	IC 410-250389/6	3.75	0.890718	5.0	1024763.0	0.237525	Y
4	IC 410-250389/5	7.5	1.692239	5.0	1053799.0	0.225632	Y
5	ICIS 410-250389/2	12.5	3.026042	5.0	1002967.0	0.242083	Y
6	IC 410-250389/4	20.0	4.607115	5.0	1131795.0	0.230356	Y
7	IC 410-250389/3	30.0	6.553045	5.0	1189280.0	0.218435	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

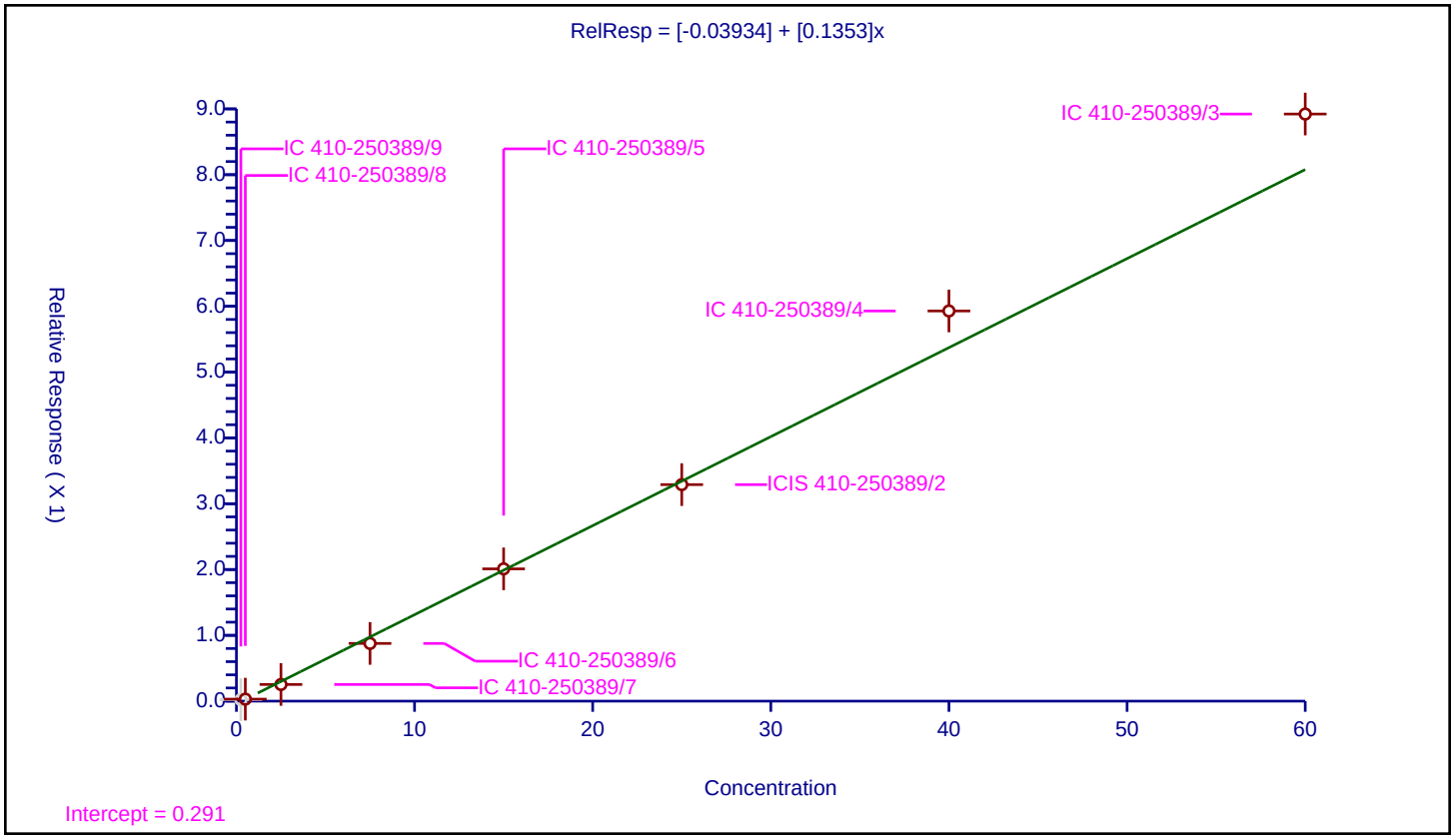
Curve Coefficients

Intercept:	-0.03934
Slope:	0.1353

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	10.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.022397	5.0	1145463.0	0.089588	N
2	IC 410-250389/8	0.5	0.030435	5.0	1296539.0	0.06087	Y
3	IC 410-250389/7	2.5	0.252998	5.0	1155838.0	0.101199	Y
4	IC 410-250389/6	7.5	0.876925	5.0	1024763.0	0.116923	Y
5	IC 410-250389/5	15.0	2.010047	5.0	1053799.0	0.134003	Y
6	ICIS 410-250389/2	25.0	3.290273	5.0	1002967.0	0.131611	Y
7	IC 410-250389/4	40.0	5.929219	5.0	1131795.0	0.14823	Y
8	IC 410-250389/3	60.0	8.921936	5.0	1189280.0	0.148699	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

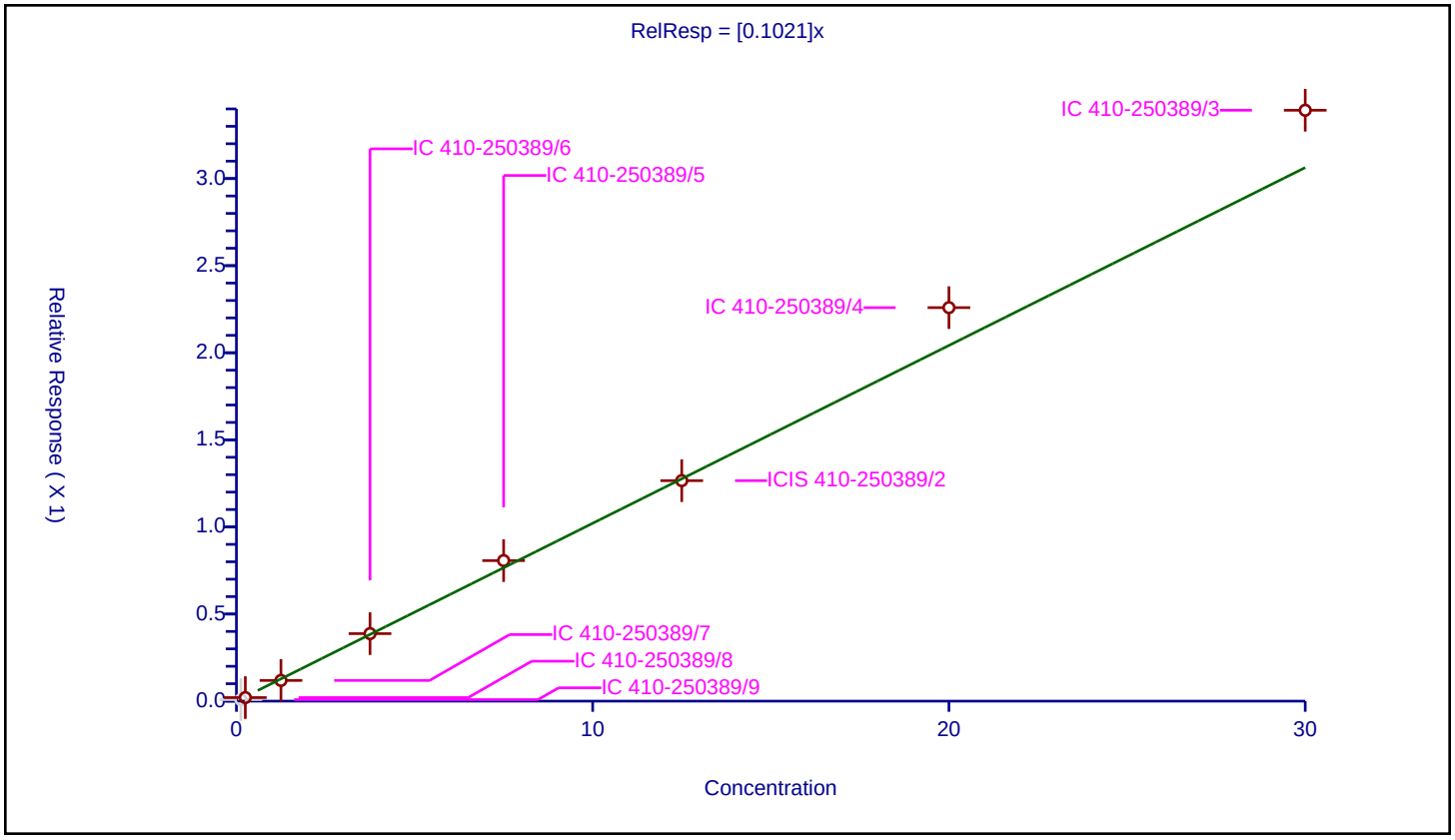
Curve Coefficients

Intercept:	0
Slope:	0.1021

Error Coefficients

Standard Error:	411000
Relative Standard Error:	10.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.008739	5.0	1145463.0	0.069911	N
2	IC 410-250389/8	0.25	0.020373	5.0	1296539.0	0.081494	Y
3	IC 410-250389/7	1.25	0.118754	5.0	1155838.0	0.095003	Y
4	IC 410-250389/6	3.75	0.387568	5.0	1024763.0	0.103351	Y
5	IC 410-250389/5	7.5	0.806824	5.0	1053799.0	0.107576	Y
6	ICIS 410-250389/2	12.5	1.265789	5.0	1002967.0	0.101263	Y
7	IC 410-250389/4	20.0	2.259075	5.0	1131795.0	0.112954	Y
8	IC 410-250389/3	30.0	3.392275	5.0	1189280.0	0.113076	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

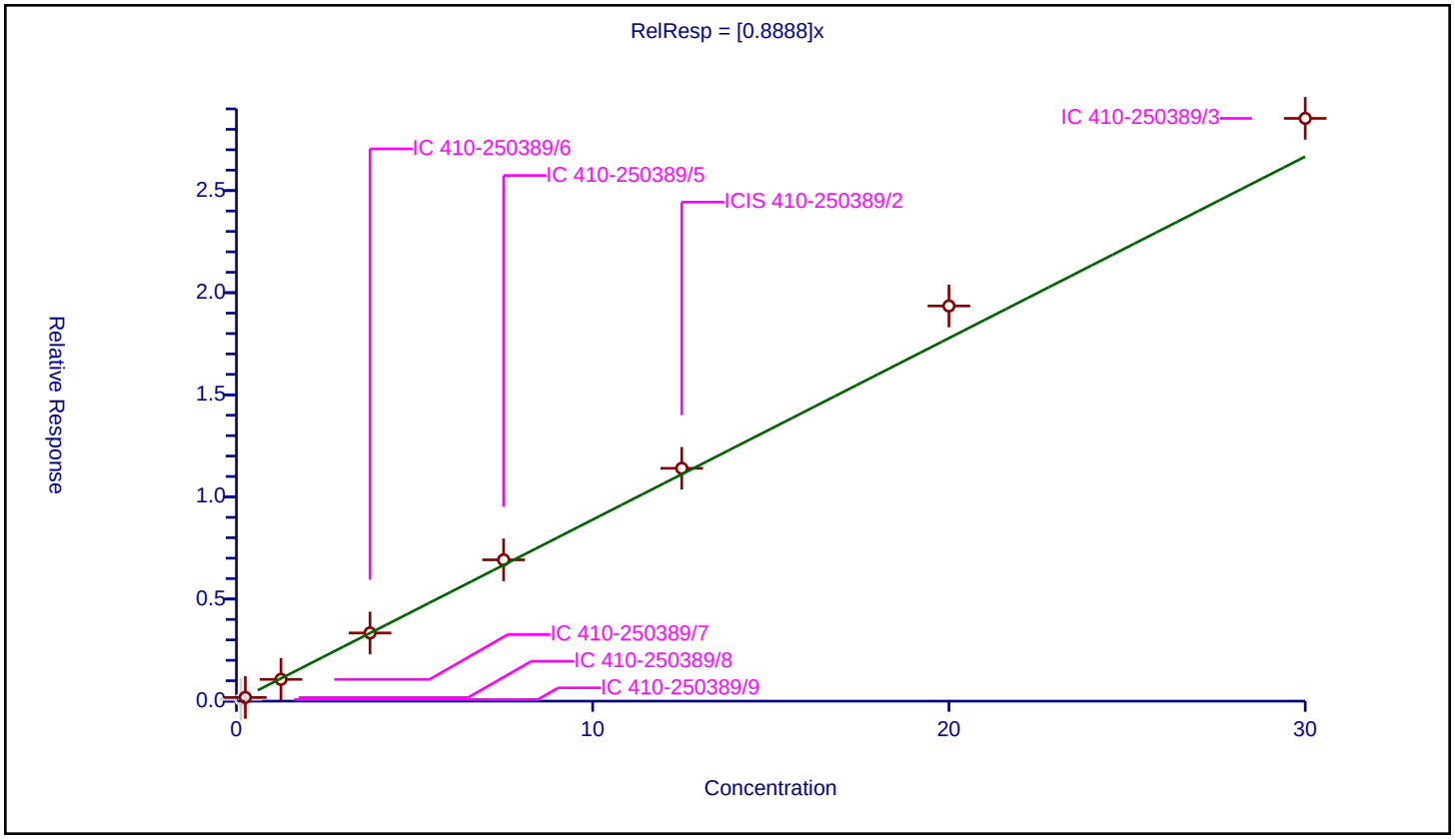
Curve Coefficients

Intercept:	0
Slope:	0.8888

Error Coefficients

Standard Error:	3490000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.085668	5.0	1145463.0	0.685347	N
2	IC 410-250389/8	0.25	0.181113	5.0	1296539.0	0.724452	Y
3	IC 410-250389/7	1.25	1.066728	5.0	1155838.0	0.853383	Y
4	IC 410-250389/6	3.75	3.338679	5.0	1024763.0	0.890314	Y
5	IC 410-250389/5	7.5	6.919156	5.0	1053799.0	0.922554	Y
6	ICIS 410-250389/2	12.5	11.401562	5.0	1002967.0	0.912125	Y
7	IC 410-250389/4	20.0	19.350183	5.0	1131795.0	0.967509	Y
8	IC 410-250389/3	30.0	28.535349	5.0	1189280.0	0.951178	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

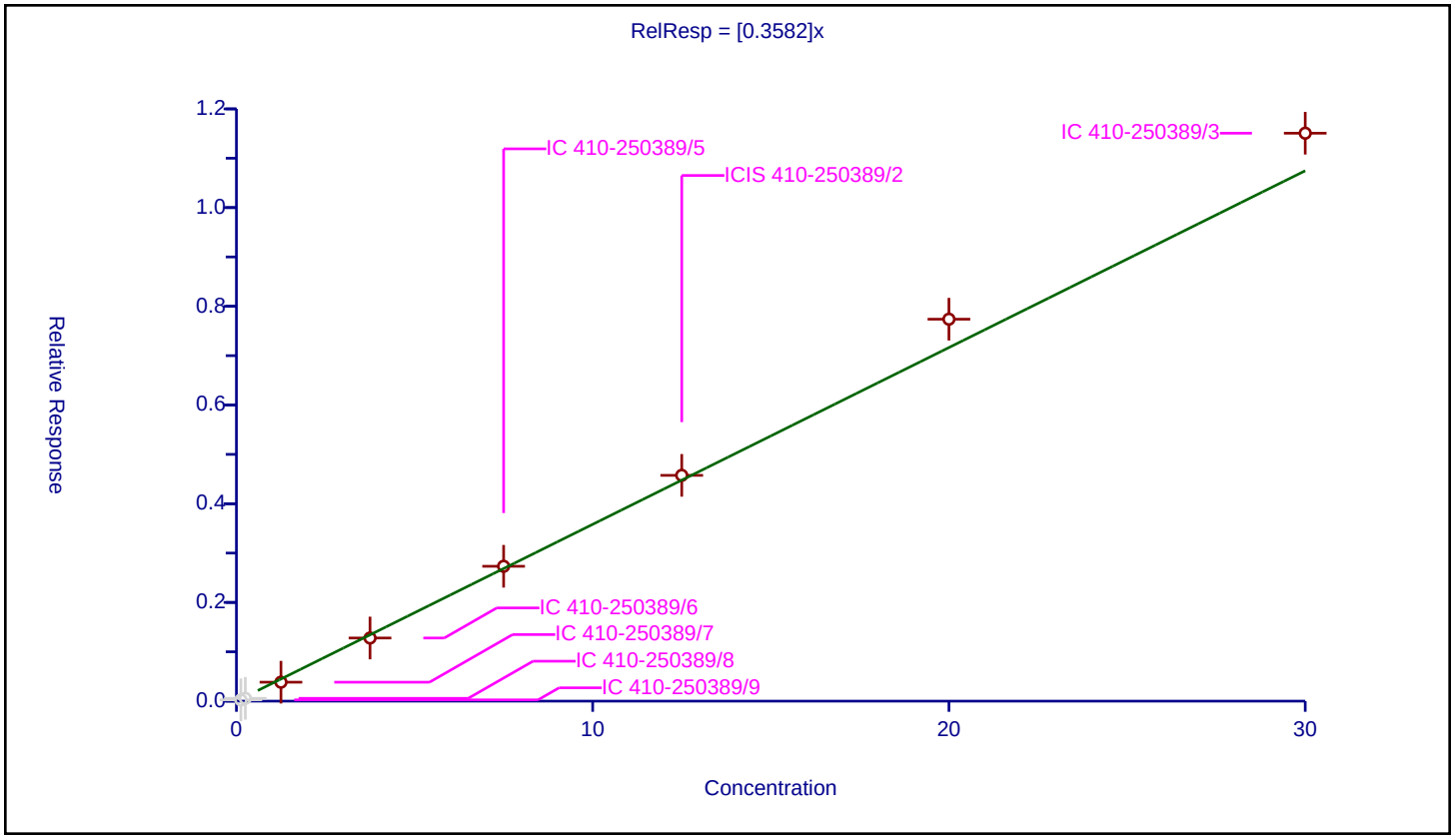
Curve Coefficients

Intercept:	0
Slope:	0.3582

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	8.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.025876	5.0	1145463.0	0.207008	N
2	IC 410-250389/8	0.25	0.056716	5.0	1296539.0	0.226866	N
3	IC 410-250389/7	1.25	0.384063	5.0	1155838.0	0.307251	Y
4	IC 410-250389/6	3.75	1.279428	5.0	1024763.0	0.341181	Y
5	IC 410-250389/5	7.5	2.732613	5.0	1053799.0	0.364348	Y
6	ICIS 410-250389/2	12.5	4.575086	5.0	1002967.0	0.366007	Y
7	IC 410-250389/4	20.0	7.739118	5.0	1131795.0	0.386956	Y
8	IC 410-250389/3	30.0	11.507492	5.0	1189280.0	0.383583	Y



Calibration / Dinoseb

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

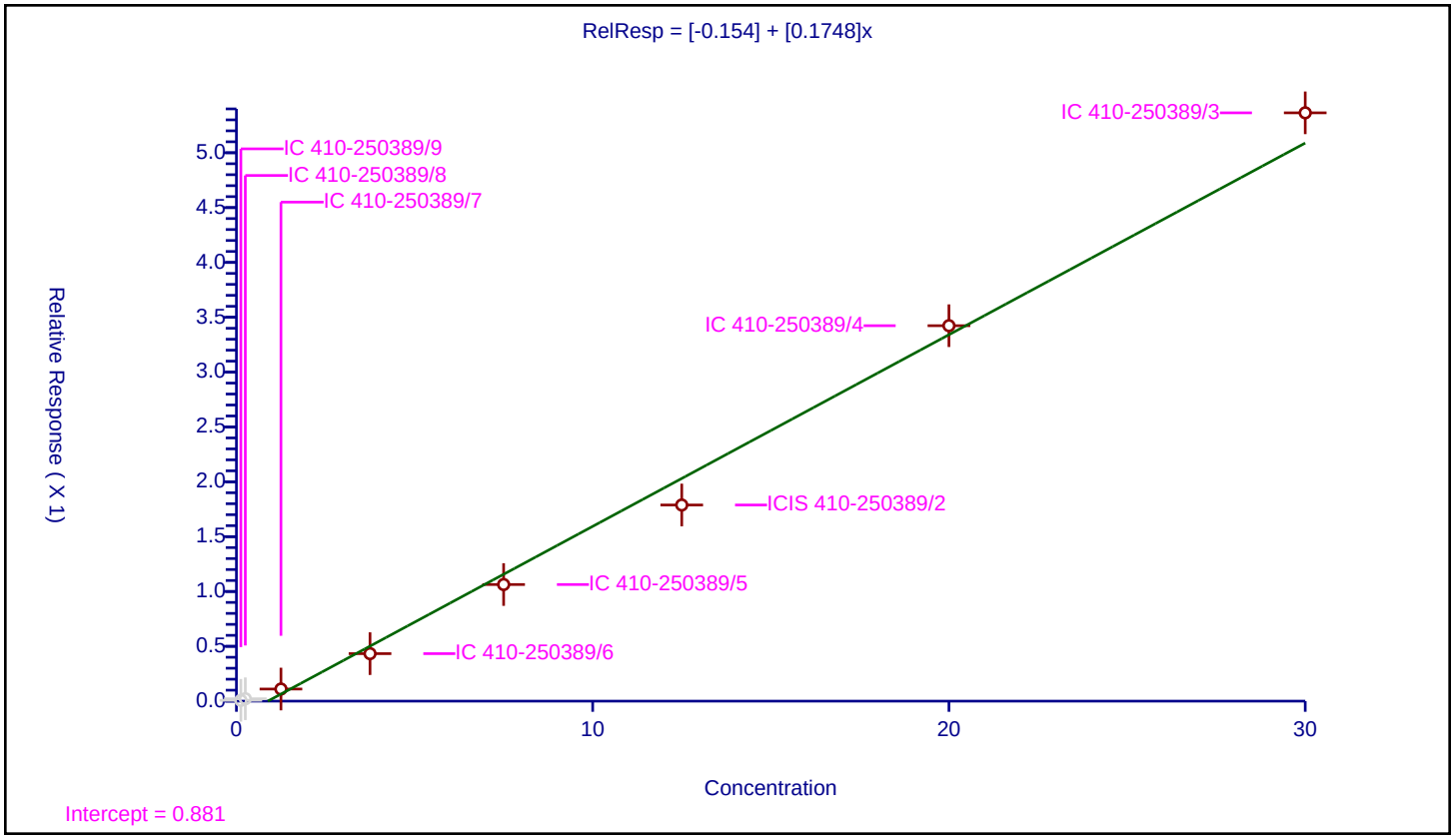
Curve Coefficients

Intercept:	-0.154
Slope:	0.1748

Error Coefficients

Standard Error:	777000
Relative Standard Error:	13.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.007473	5.0	1145463.0	0.059784	N
2	IC 410-250389/8	0.25	0.02175	5.0	1296539.0	0.087001	N
3	IC 410-250389/7	1.25	0.110323	5.0	1155838.0	0.088258	Y
4	IC 410-250389/6	3.75	0.433207	5.0	1024763.0	0.115522	Y
5	IC 410-250389/5	7.5	1.063215	5.0	1053799.0	0.141762	Y
6	ICIS 410-250389/2	12.5	1.788399	5.0	1002967.0	0.143072	Y
7	IC 410-250389/4	20.0	3.423305	5.0	1131795.0	0.171165	Y
8	IC 410-250389/3	30.0	5.363972	5.0	1189280.0	0.178799	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

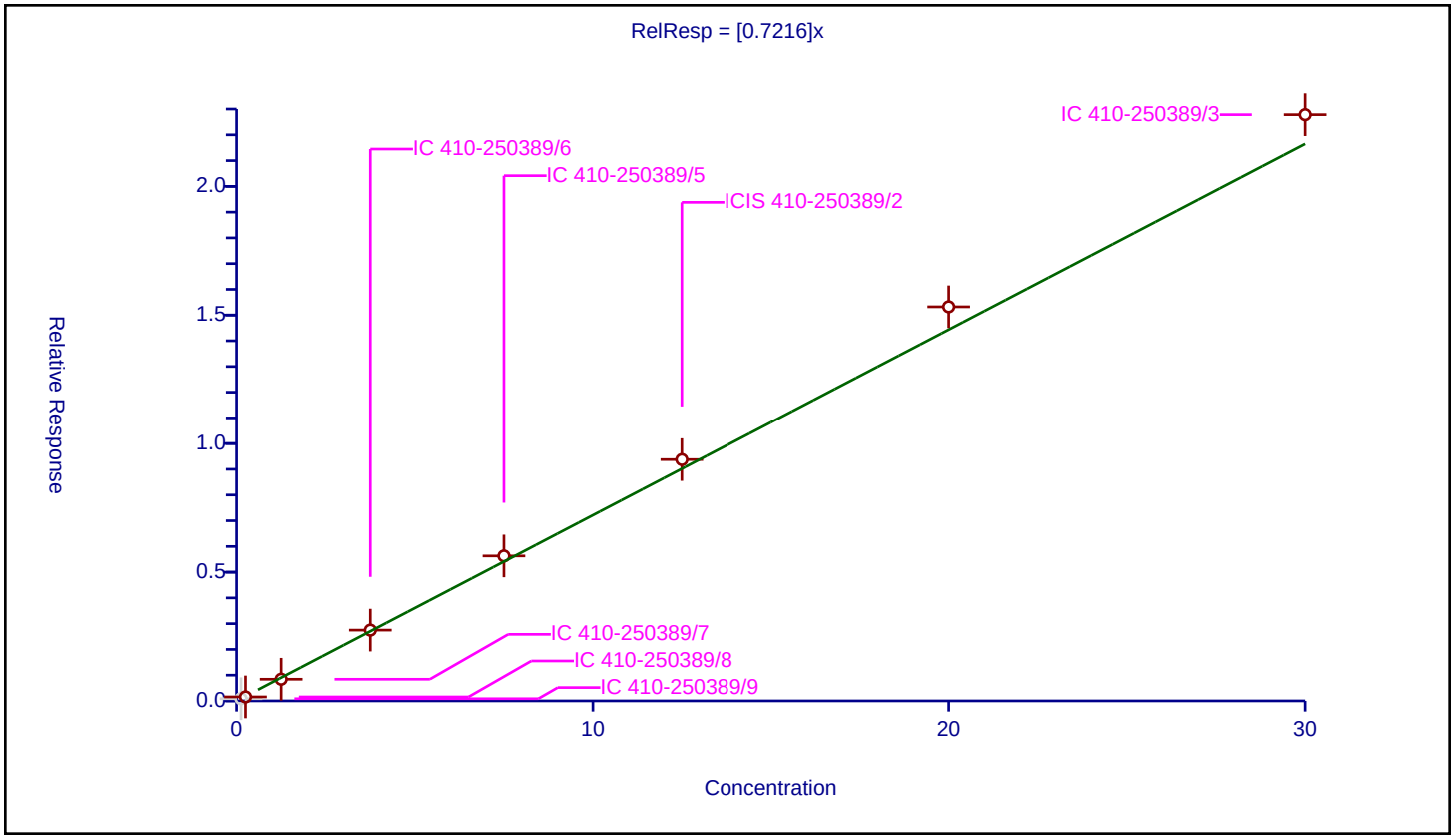
Curve Coefficients

Intercept:	0
Slope:	0.7216

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	7.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.085262	5.0	1145463.0	0.6821	N
2	IC 410-250389/8	0.25	0.1546	5.0	1296539.0	0.6184	Y
3	IC 410-250389/7	1.25	0.841602	5.0	1155838.0	0.673281	Y
4	IC 410-250389/6	3.75	2.749963	5.0	1024763.0	0.733323	Y
5	IC 410-250389/5	7.5	5.630998	5.0	1053799.0	0.7508	Y
6	ICIS 410-250389/2	12.5	9.377911	5.0	1002967.0	0.750233	Y
7	IC 410-250389/4	20.0	15.320778	5.0	1131795.0	0.766039	Y
8	IC 410-250389/3	30.0	22.781494	5.0	1189280.0	0.759383	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

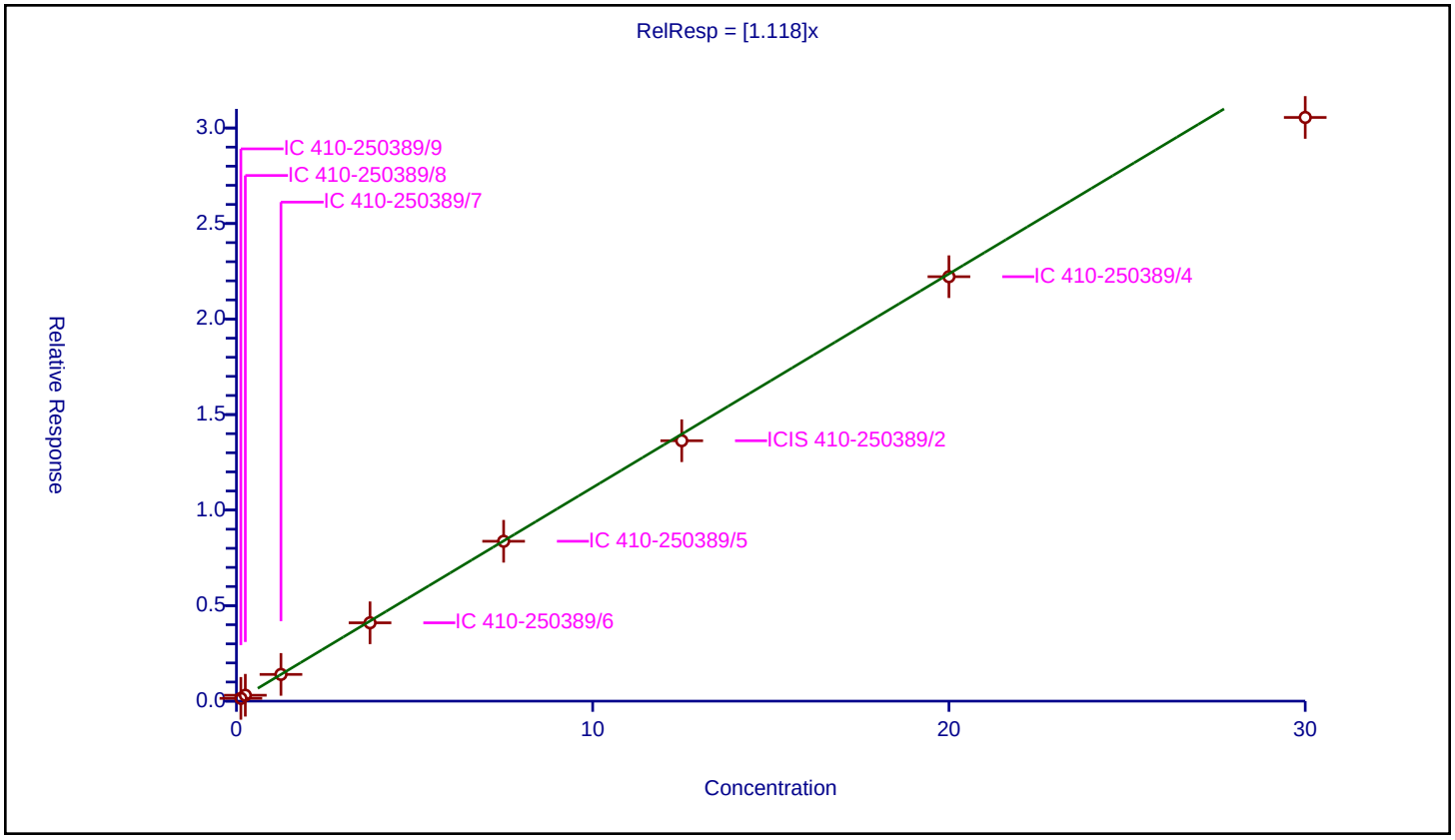
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Standard Error:	3580000
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 410-250389/9	0.125	0.145369	5.0	1145463.0	1.162953	Y
2	IC 410-250389/8	0.25	0.308772	5.0	1296539.0	1.235088	Y
3	IC 410-250389/7	1.25	1.398803	5.0	1155838.0	1.119043	Y
4	IC 410-250389/6	3.75	4.100119	5.0	1024763.0	1.093365	Y
5	IC 410-250389/5	7.5	8.368527	5.0	1053799.0	1.115804	Y
6	ICIS 410-250389/2	12.5	13.631067	5.0	1002967.0	1.090485	Y
7	IC 410-250389/4	20.0	22.21685	5.0	1131795.0	1.110843	Y
8	IC 410-250389/3	30.0	30.552233	5.0	1189280.0	1.018408	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

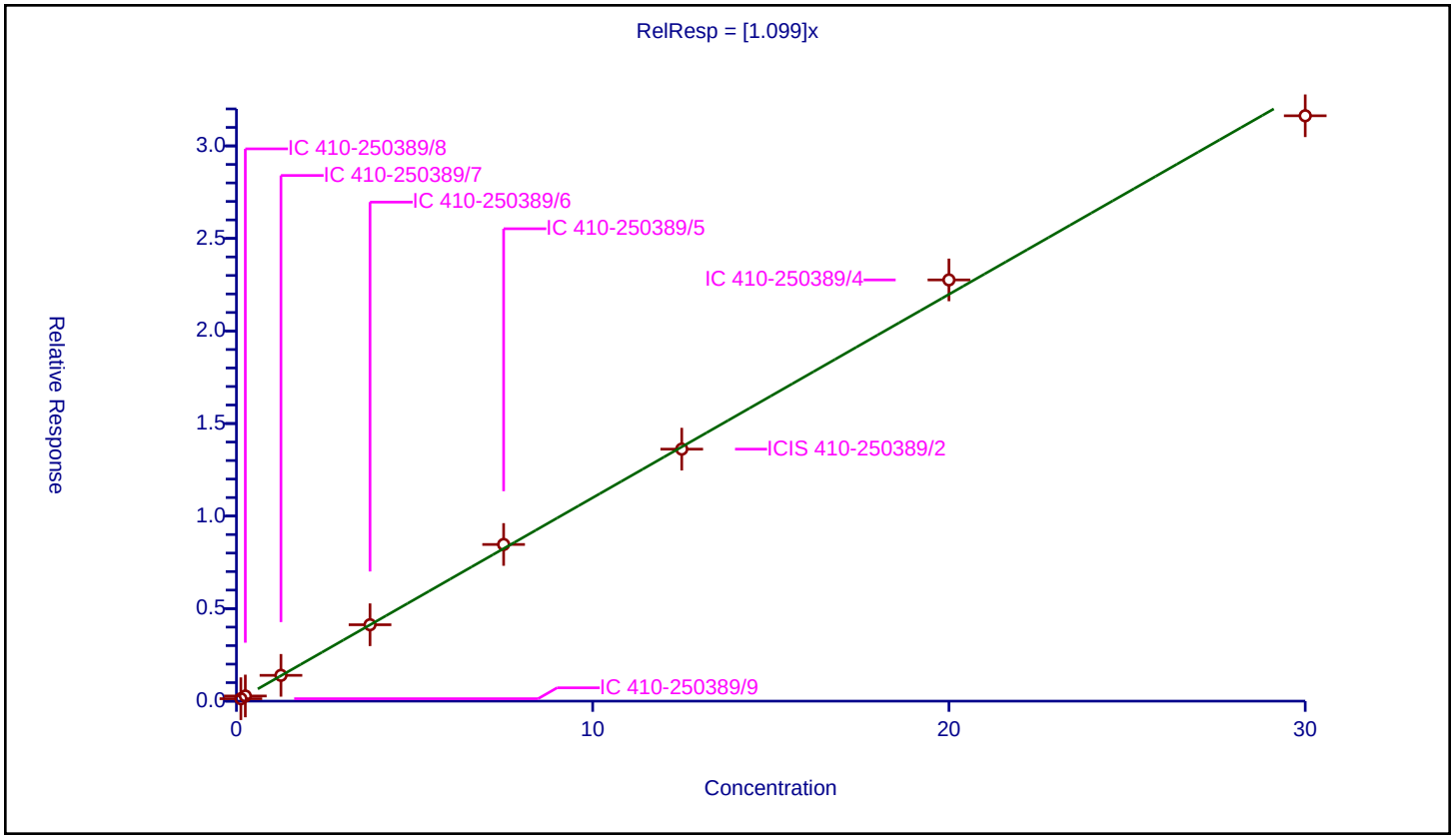
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	3680000
Relative Standard Error:	3.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.13113	5.0	1145463.0	1.049043	Y
2	IC 410-250389/8	0.25	0.279155	5.0	1296539.0	1.116619	Y
3	IC 410-250389/7	1.25	1.39388	5.0	1155838.0	1.115104	Y
4	IC 410-250389/6	3.75	4.128569	5.0	1024763.0	1.100952	Y
5	IC 410-250389/5	7.5	8.464992	5.0	1053799.0	1.128666	Y
6	ICIS 410-250389/2	12.5	13.616056	5.0	1002967.0	1.089284	Y
7	IC 410-250389/4	20.0	22.759714	5.0	1131795.0	1.137986	Y
8	IC 410-250389/3	30.0	31.628048	5.0	1189280.0	1.054268	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

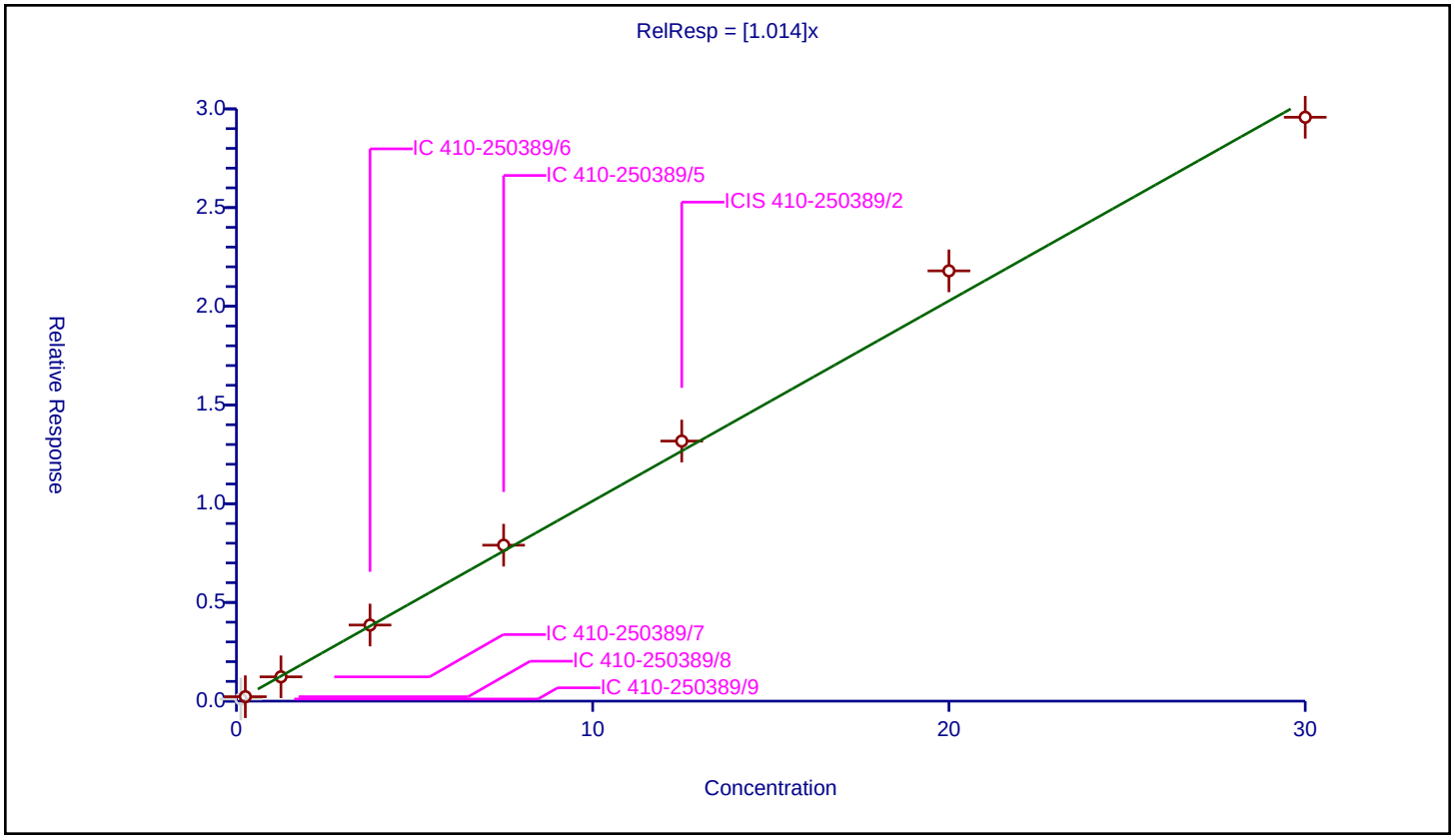
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	3750000
Relative Standard Error:	6.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.107694	5.0	1145463.0	0.861556	N
2	IC 410-250389/8	0.25	0.225099	5.0	1296539.0	0.900397	Y
3	IC 410-250389/7	1.25	1.231353	5.0	1155838.0	0.985083	Y
4	IC 410-250389/6	3.75	3.85494	5.0	1024763.0	1.027984	Y
5	IC 410-250389/5	7.5	7.90042	5.0	1053799.0	1.053389	Y
6	ICIS 410-250389/2	12.5	13.173115	5.0	1002967.0	1.053849	Y
7	IC 410-250389/4	20.0	21.796434	5.0	1131795.0	1.089822	Y
8	IC 410-250389/3	30.0	29.576042	5.0	1189280.0	0.985868	Y



Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

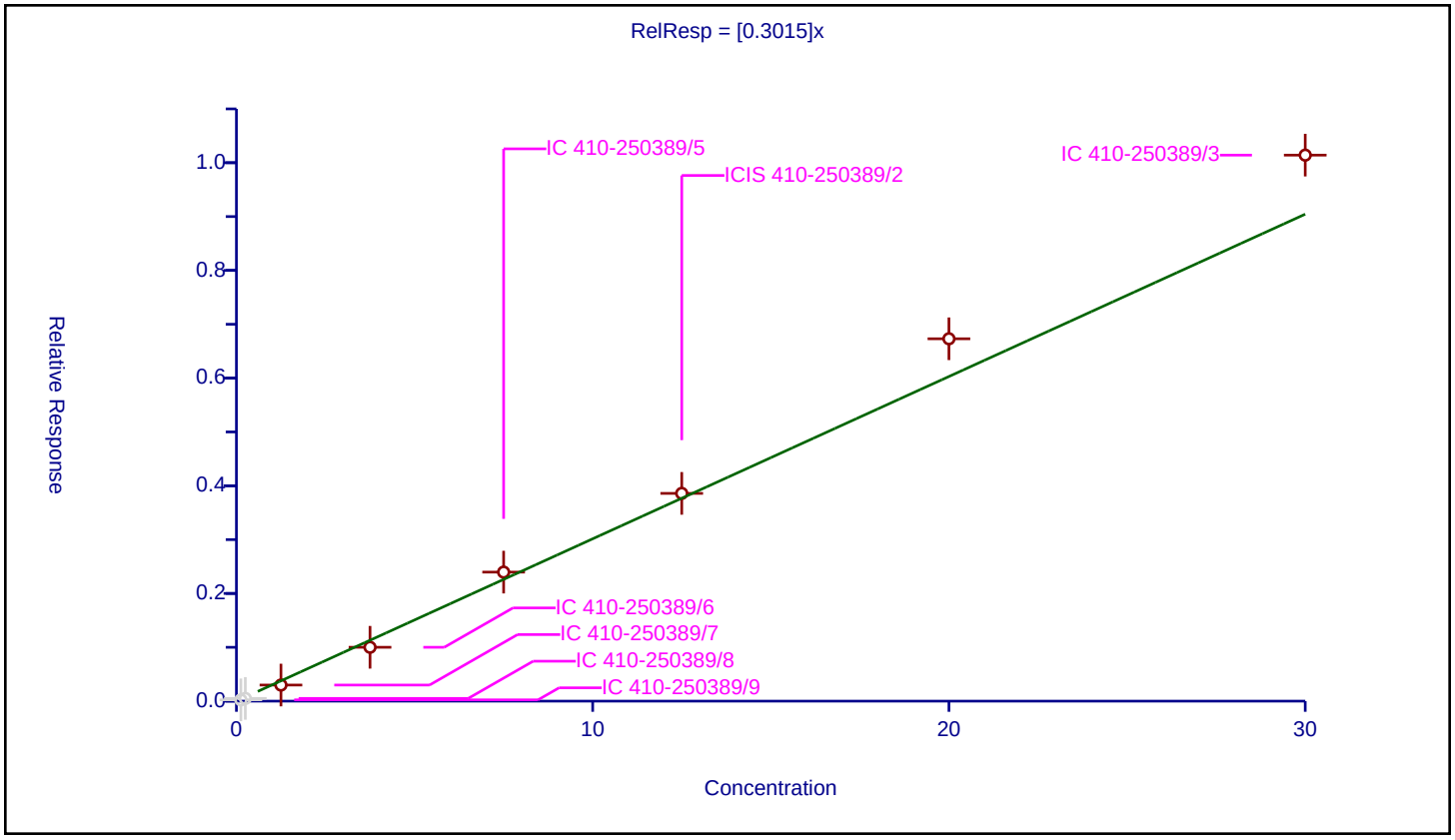
Curve Coefficients

Intercept:	0
Slope:	0.3015

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	13.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.023938	5.0	1145463.0	0.191503	N
2	IC 410-250389/8	0.25	0.050554	5.0	1296539.0	0.202215	N
3	IC 410-250389/7	1.25	0.299173	5.0	1155838.0	0.239338	Y
4	IC 410-250389/6	3.75	1.00028	5.0	1024763.0	0.266741	Y
5	IC 410-250389/5	7.5	2.396643	5.0	1053799.0	0.319552	Y
6	ICIS 410-250389/2	12.5	3.858711	5.0	1002967.0	0.308697	Y
7	IC 410-250389/4	20.0	6.730371	5.0	1131795.0	0.336519	Y
8	IC 410-250389/3	30.0	10.141123	5.0	1189280.0	0.338037	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

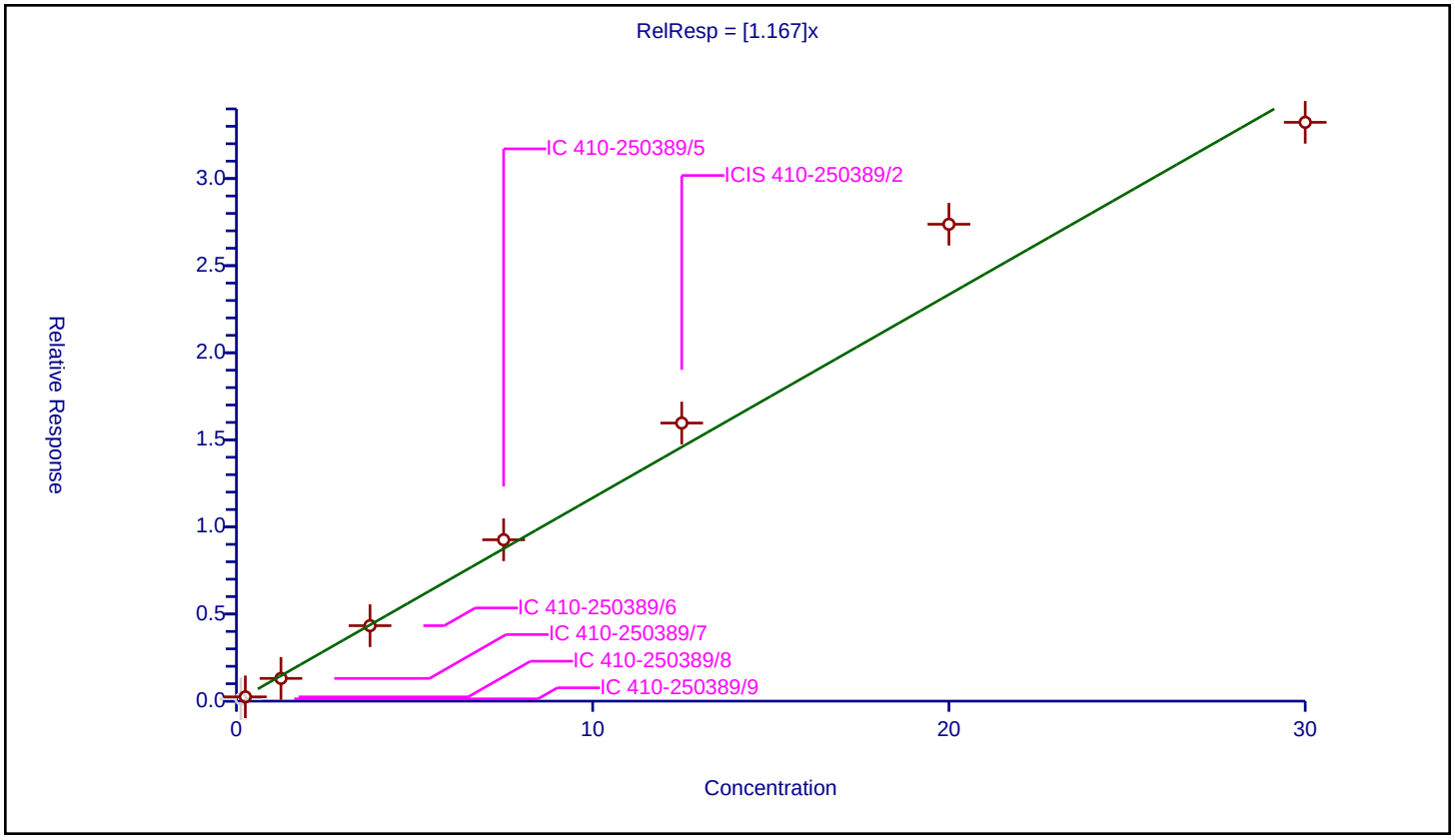
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Standard Error:	4390000
Relative Standard Error:	11.6
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.130231	5.0	1145463.0	1.041849	N
2	IC 410-250389/8	0.25	0.24528	5.0	1296539.0	0.98112	Y
3	IC 410-250389/7	1.25	1.305438	5.0	1155838.0	1.044351	Y
4	IC 410-250389/6	3.75	4.331787	5.0	1024763.0	1.155143	Y
5	IC 410-250389/5	7.5	9.263854	5.0	1053799.0	1.235181	Y
6	ICIS 410-250389/2	12.5	15.965206	5.0	1002967.0	1.277216	Y
7	IC 410-250389/4	20.0	27.378341	5.0	1131795.0	1.368917	Y
8	IC 410-250389/3	30.0	33.229883	5.0	1189280.0	1.107663	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

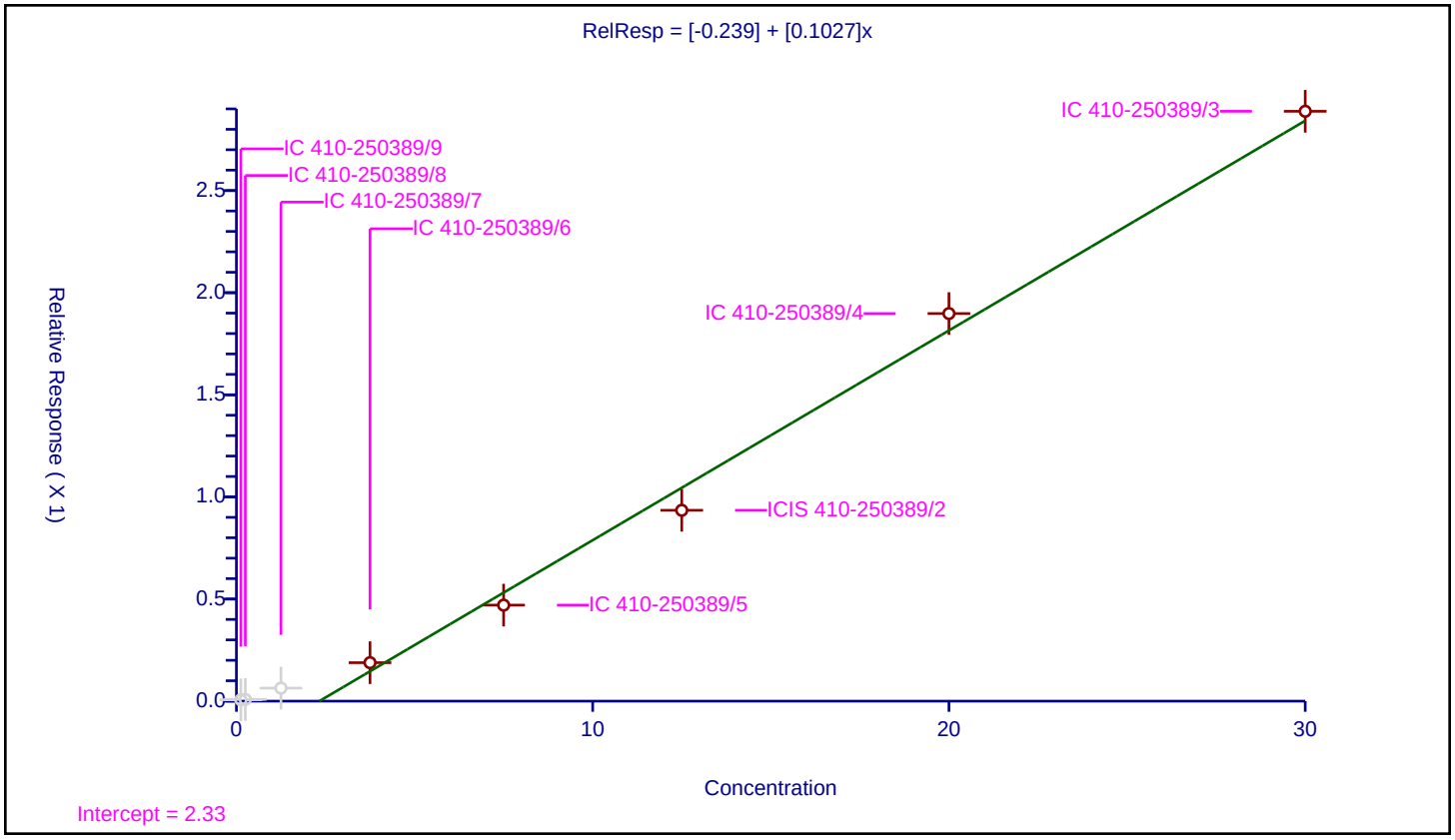
Curve Coefficients

Intercept:	-0.239
Slope:	0.1027

Error Coefficients

Standard Error:	484000
Relative Standard Error:	9.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.006452	5.0	1145463.0	0.051612	N
2	IC 410-250389/8	0.25	0.008476	5.0	1296539.0	0.033906	N
3	IC 410-250389/7	1.25	0.063819	5.0	1155838.0	0.051056	N
4	IC 410-250389/6	3.75	0.188405	5.0	1024763.0	0.050241	Y
5	IC 410-250389/5	7.5	0.470208	5.0	1053799.0	0.062694	Y
6	ICIS 410-250389/2	12.5	0.934517	5.0	1002967.0	0.074761	Y
7	IC 410-250389/4	20.0	1.897822	5.0	1131795.0	0.094891	Y
8	IC 410-250389/3	30.0	2.888277	5.0	1189280.0	0.096276	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

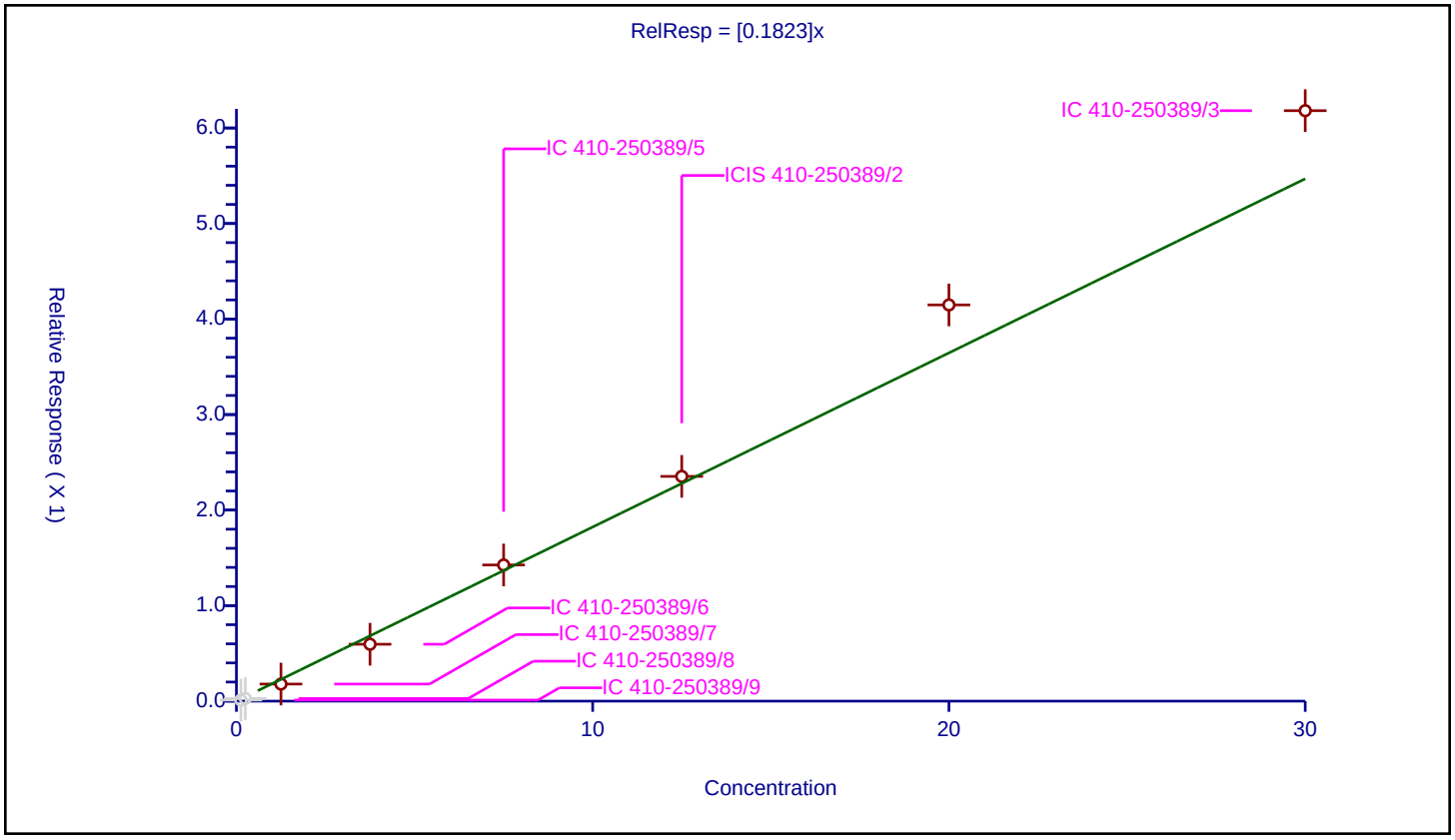
Curve Coefficients

Intercept:	0
Slope:	0.1823

Error Coefficients

Standard Error:	821000
Relative Standard Error:	14.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.011423	5.0	1145463.0	0.091387	N
2	IC 410-250389/8	0.25	0.027469	5.0	1296539.0	0.109877	N
3	IC 410-250389/7	1.25	0.17887	5.0	1155838.0	0.143096	Y
4	IC 410-250389/6	3.75	0.595801	5.0	1024763.0	0.15888	Y
5	IC 410-250389/5	7.5	1.425333	5.0	1053799.0	0.190044	Y
6	ICIS 410-250389/2	12.5	2.352869	5.0	1002967.0	0.18823	Y
7	IC 410-250389/4	20.0	4.147845	5.0	1131795.0	0.207392	Y
8	IC 410-250389/3	30.0	6.181391	5.0	1189280.0	0.206046	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

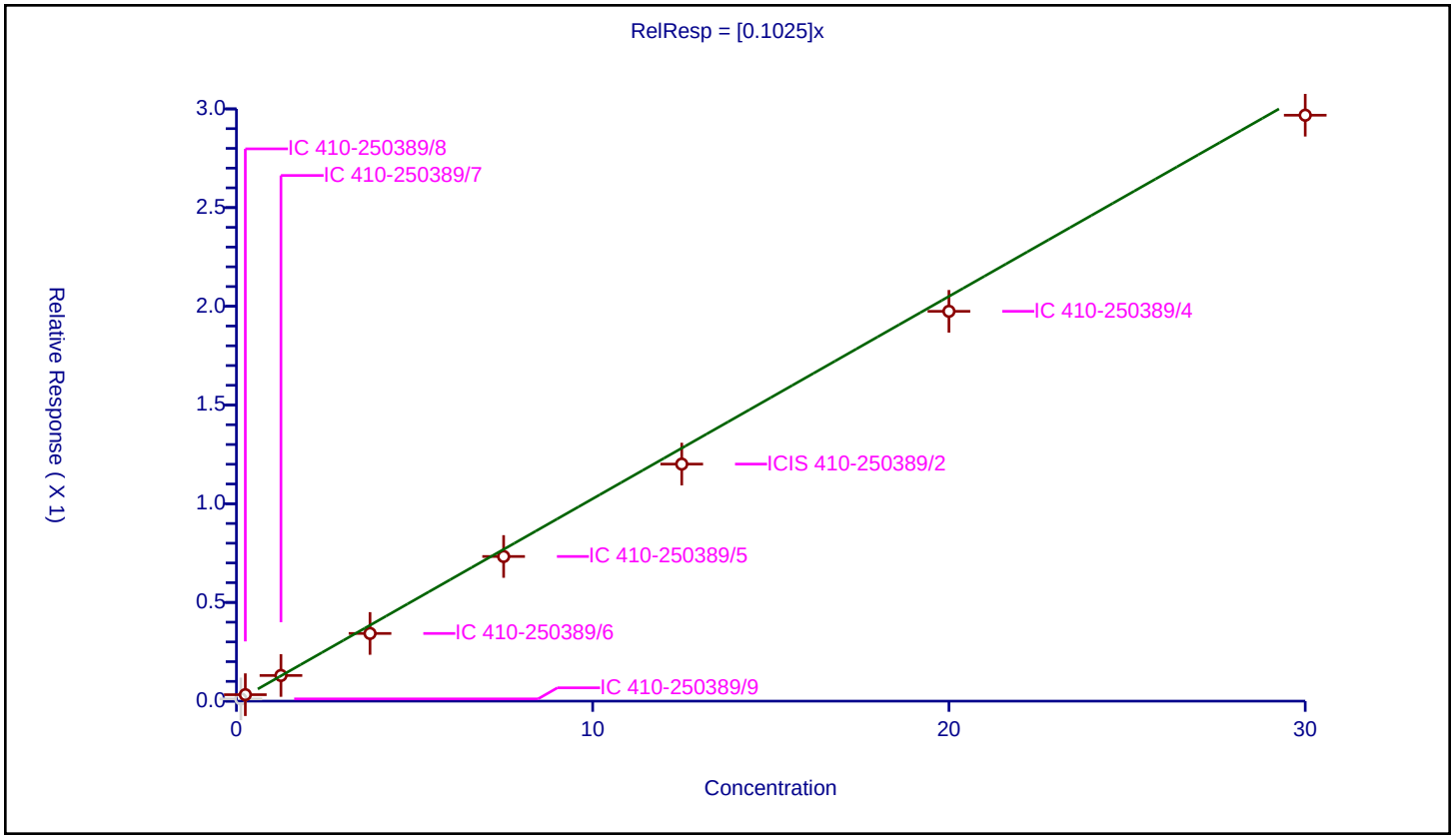
Curve Coefficients

Intercept:	0
Slope:	0.1025

Error Coefficients

Standard Error:	362000
Relative Standard Error:	12.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.011384	5.0	1145463.0	0.091072	N
2	IC 410-250389/8	0.25	0.032675	5.0	1296539.0	0.130702	Y
3	IC 410-250389/7	1.25	0.13004	5.0	1155838.0	0.104032	Y
4	IC 410-250389/6	3.75	0.342889	5.0	1024763.0	0.091437	Y
5	IC 410-250389/5	7.5	0.732768	5.0	1053799.0	0.097702	Y
6	ICIS 410-250389/2	12.5	1.200747	5.0	1002967.0	0.09606	Y
7	IC 410-250389/4	20.0	1.97466	5.0	1131795.0	0.098733	Y
8	IC 410-250389/3	30.0	2.968023	5.0	1189280.0	0.098934	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

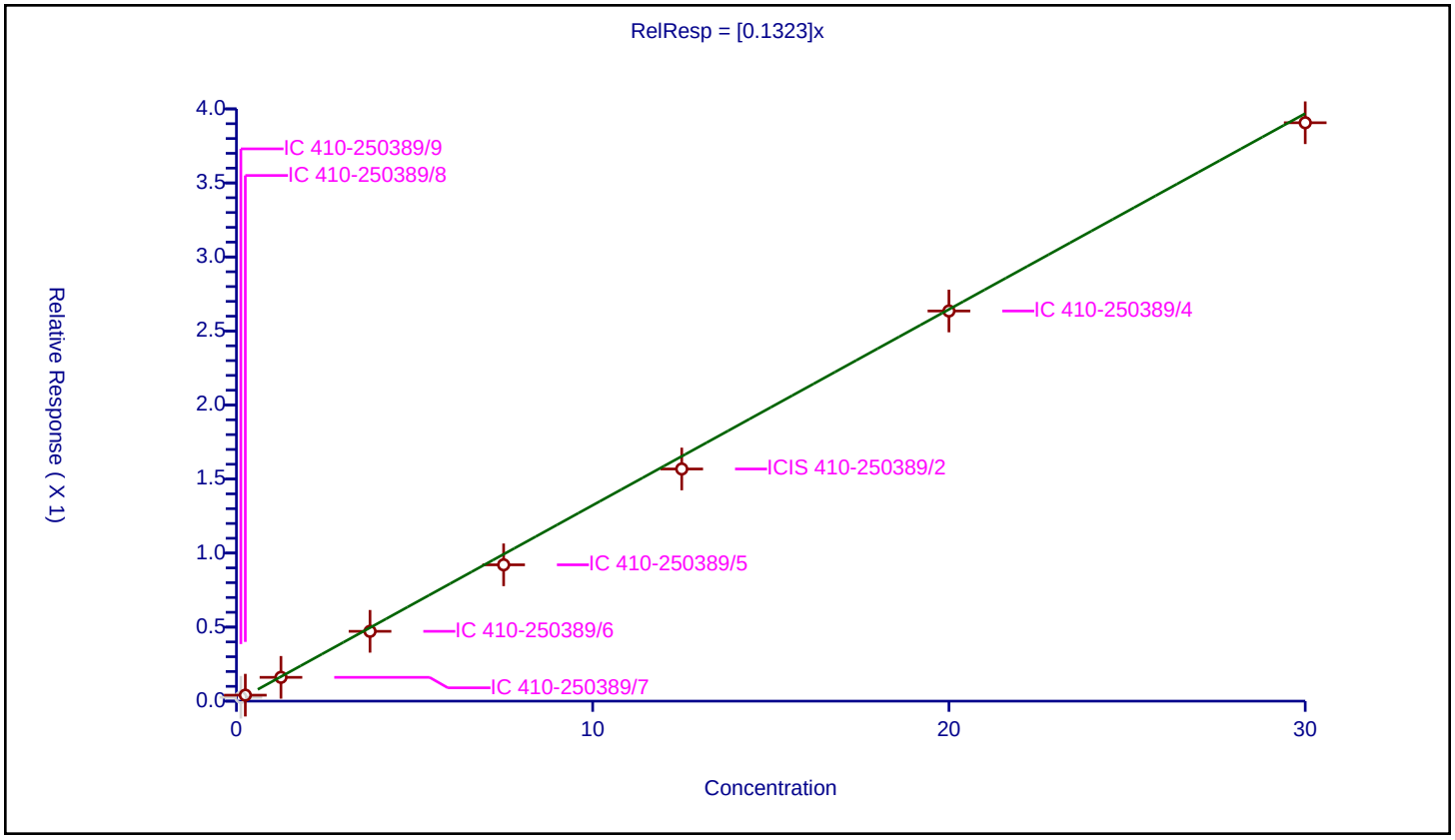
Curve Coefficients

Intercept:	0
Slope:	0.1323

Error Coefficients

Standard Error:	477000
Relative Standard Error:	10.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.026055	5.0	1145463.0	0.20844	N
2	IC 410-250389/8	0.25	0.040384	5.0	1296539.0	0.161538	Y
3	IC 410-250389/7	1.25	0.160719	5.0	1155838.0	0.128575	Y
4	IC 410-250389/6	3.75	0.471558	5.0	1024763.0	0.125749	Y
5	IC 410-250389/5	7.5	0.920788	5.0	1053799.0	0.122772	Y
6	ICIS 410-250389/2	12.5	1.568038	5.0	1002967.0	0.125443	Y
7	IC 410-250389/4	20.0	2.63504	5.0	1131795.0	0.131752	Y
8	IC 410-250389/3	30.0	3.906498	5.0	1189280.0	0.130217	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

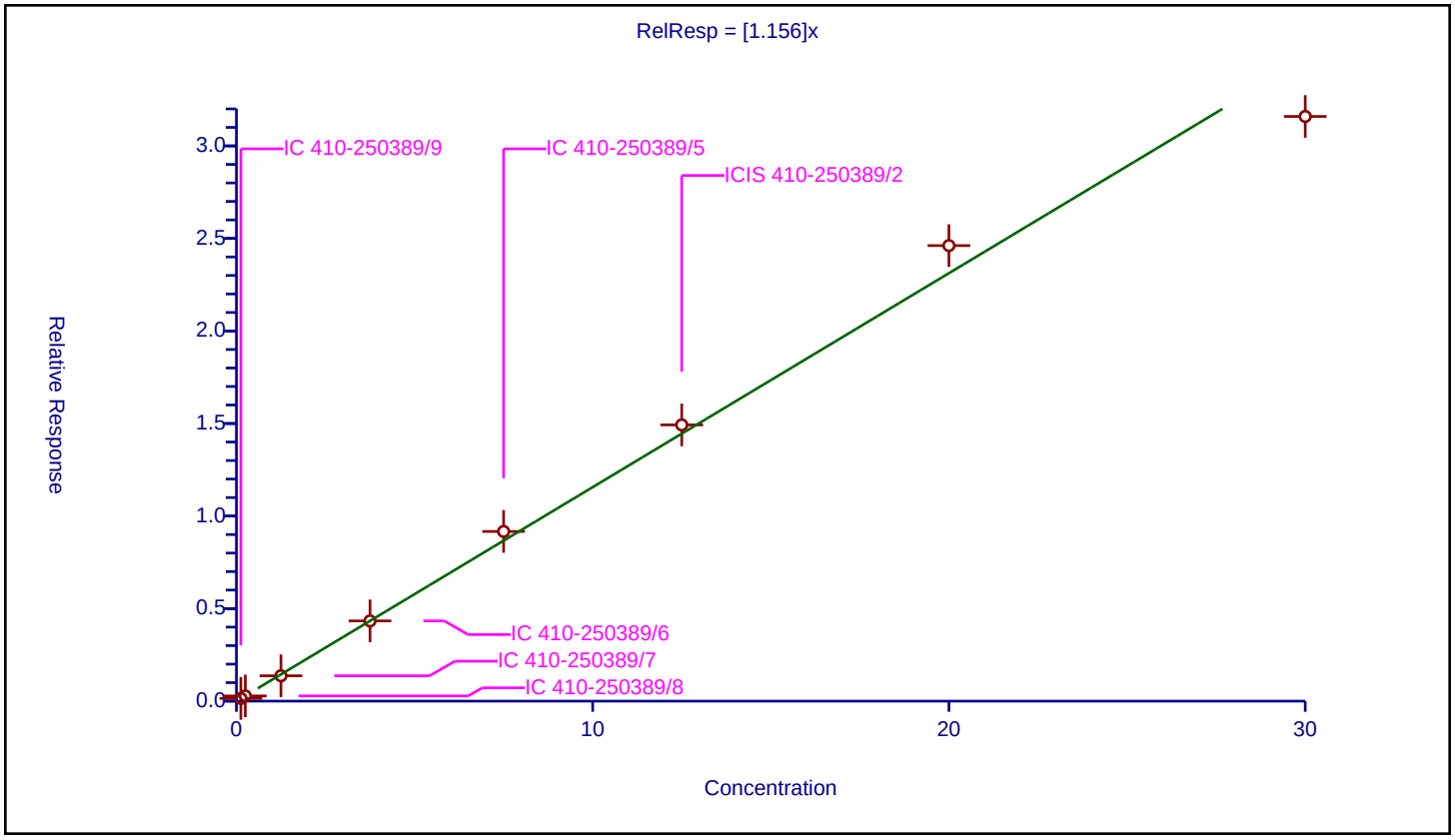
Curve Coefficients

Intercept:	0
Slope:	1.156

Error Coefficients

Standard Error:	3800000
Relative Standard Error:	5.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.146727	5.0	1145463.0	1.173814	Y
2	IC 410-250389/8	0.25	0.280971	5.0	1296539.0	1.123884	Y
3	IC 410-250389/7	1.25	1.3695	5.0	1155838.0	1.0956	Y
4	IC 410-250389/6	3.75	4.335134	5.0	1024763.0	1.156036	Y
5	IC 410-250389/5	7.5	9.16792	5.0	1053799.0	1.222389	Y
6	ICIS 410-250389/2	12.5	14.925426	5.0	1002967.0	1.194034	Y
7	IC 410-250389/4	20.0	24.613777	5.0	1131795.0	1.230689	Y
8	IC 410-250389/3	30.0	31.591921	5.0	1189280.0	1.053064	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

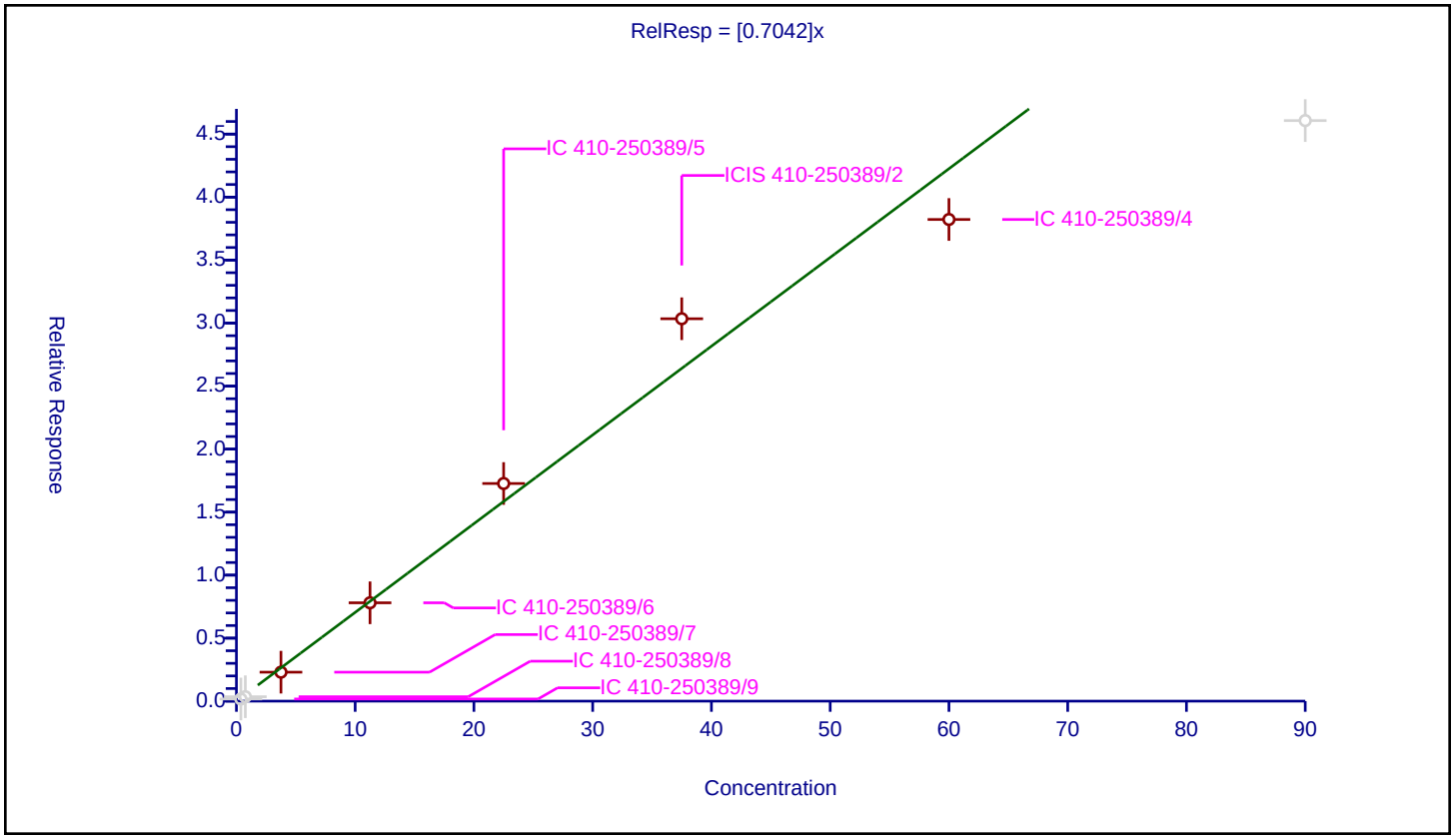
Curve Coefficients

Intercept:	0
Slope:	0.7042

Error Coefficients

Standard Error:	5650000
Relative Standard Error:	11.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.375	0.170776	5.0	1112421.0	0.455403	N
2	IC 410-250389/8	0.75	0.348983	5.0	1272440.0	0.465311	N
3	IC 410-250389/7	3.75	2.299337	5.0	1122054.0	0.613156	Y
4	IC 410-250389/6	11.25	7.805517	5.0	1063360.0	0.693824	Y
5	IC 410-250389/5	22.5	17.270848	5.0	1084837.0	0.767593	Y
6	ICIS 410-250389/2	37.5	30.346368	5.0	1003571.0	0.809236	Y
7	IC 410-250389/4	60.0	38.223432	5.0	1122901.0	0.637057	Y
8	IC 410-250389/3	90.0	46.072813	5.0	1128864.0	0.51192	N



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

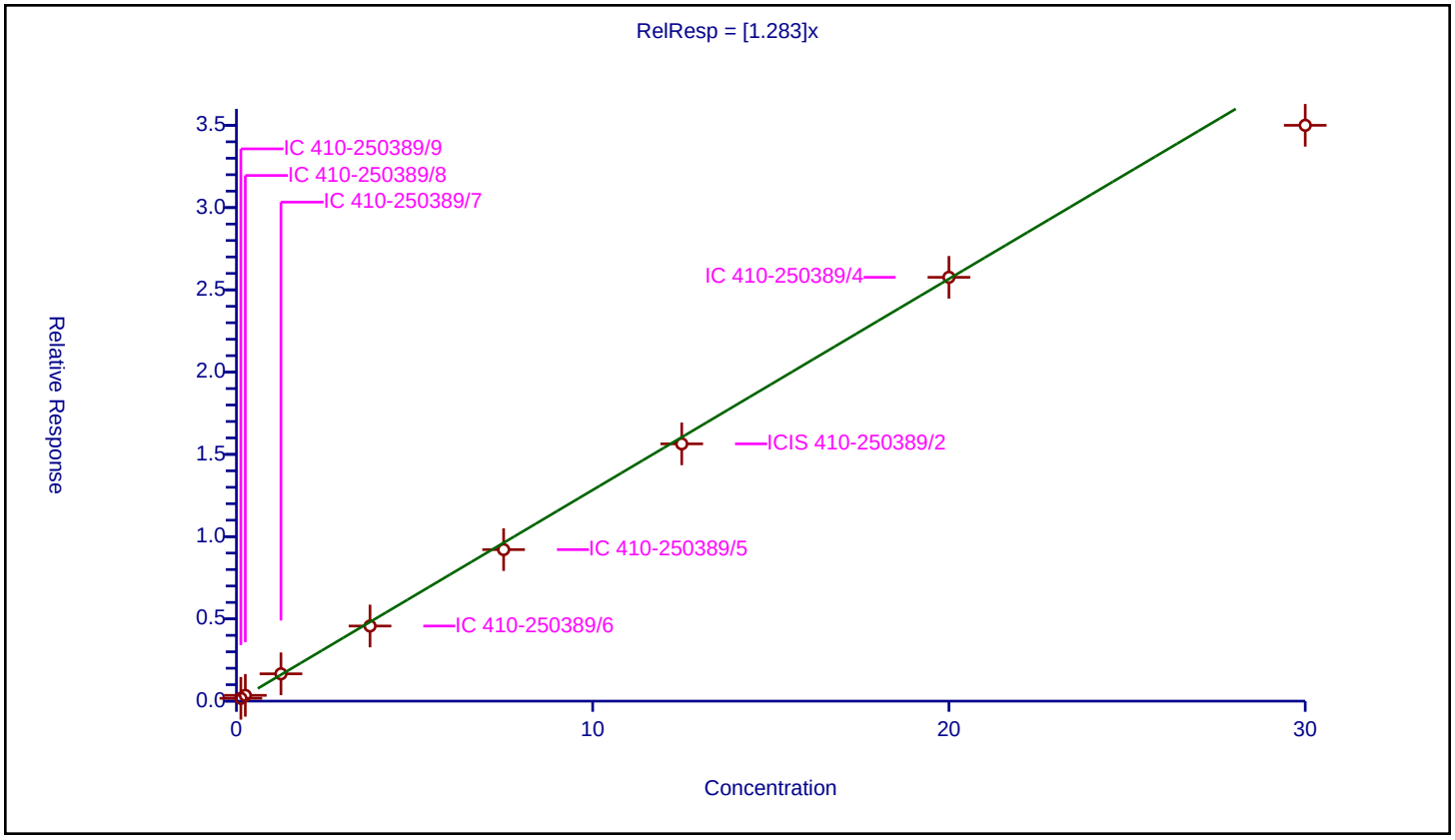
Curve Coefficients

Intercept:	0
Slope:	1.283

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.172223	5.0	1112421.0	1.377788	Y
2	IC 410-250389/8	0.25	0.352119	5.0	1272440.0	1.408475	Y
3	IC 410-250389/7	1.25	1.661039	5.0	1122054.0	1.328831	Y
4	IC 410-250389/6	3.75	4.566746	5.0	1063360.0	1.217799	Y
5	IC 410-250389/5	7.5	9.210757	5.0	1084837.0	1.228101	Y
6	ICIS 410-250389/2	12.5	15.639402	5.0	1003571.0	1.251152	Y
7	IC 410-250389/4	20.0	25.764026	5.0	1122901.0	1.288201	Y
8	IC 410-250389/3	30.0	35.003216	5.0	1128864.0	1.166774	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

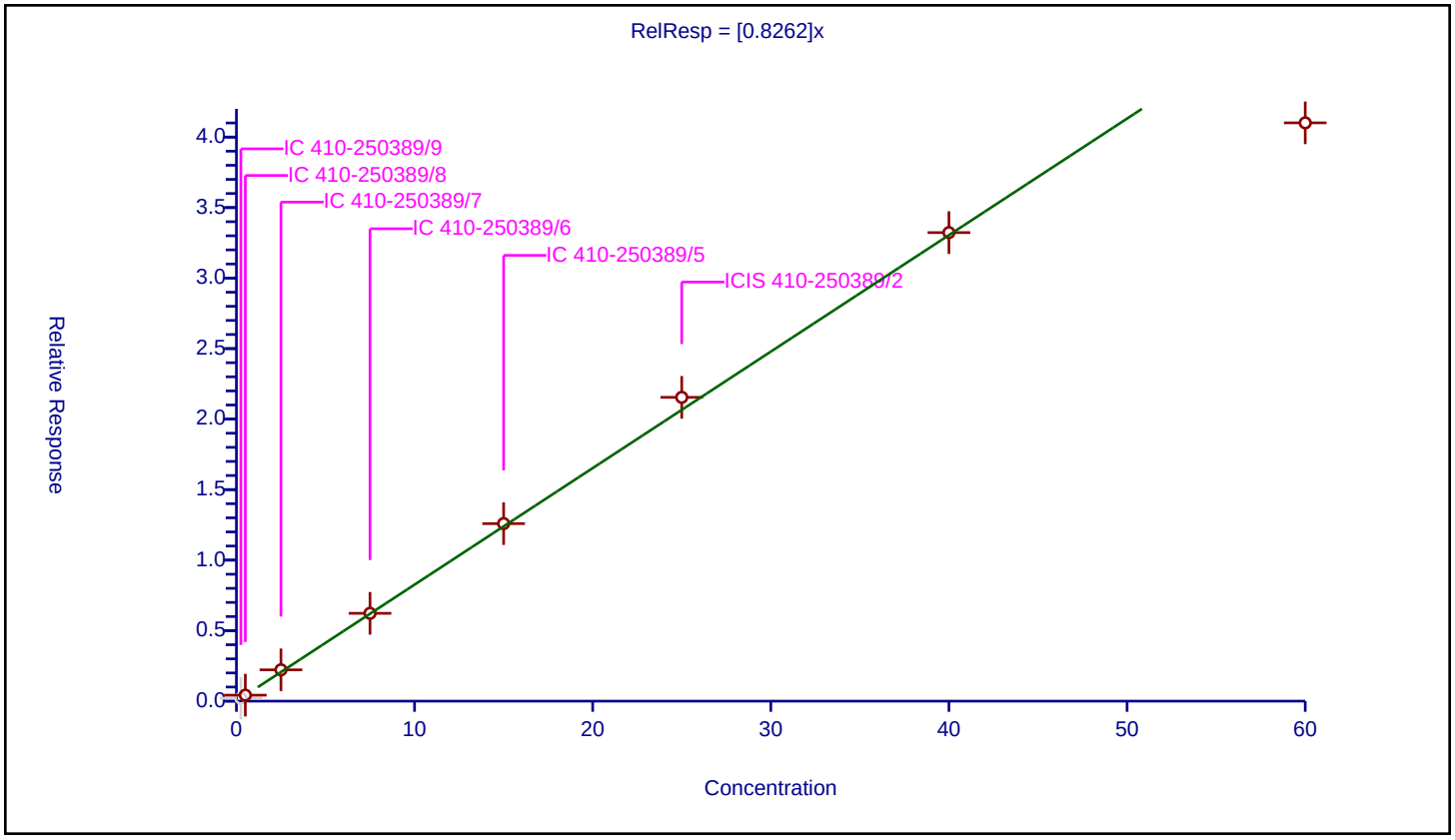
Curve Coefficients

Intercept:	0
Slope:	0.8262

Error Coefficients

Standard Error:	5320000
Relative Standard Error:	8.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.25	0.2105	5.0	1112421.0	0.842001	N
2	IC 410-250389/8	0.5	0.424794	5.0	1272440.0	0.849588	Y
3	IC 410-250389/7	2.5	2.221078	5.0	1122054.0	0.888431	Y
4	IC 410-250389/6	7.5	6.228333	5.0	1063360.0	0.830444	Y
5	IC 410-250389/5	15.0	12.59003	5.0	1084837.0	0.839335	Y
6	ICIS 410-250389/2	25.0	21.543817	5.0	1003571.0	0.861753	Y
7	IC 410-250389/4	40.0	33.226442	5.0	1122901.0	0.830661	Y
8	IC 410-250389/3	60.0	41.010095	5.0	1128864.0	0.683502	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

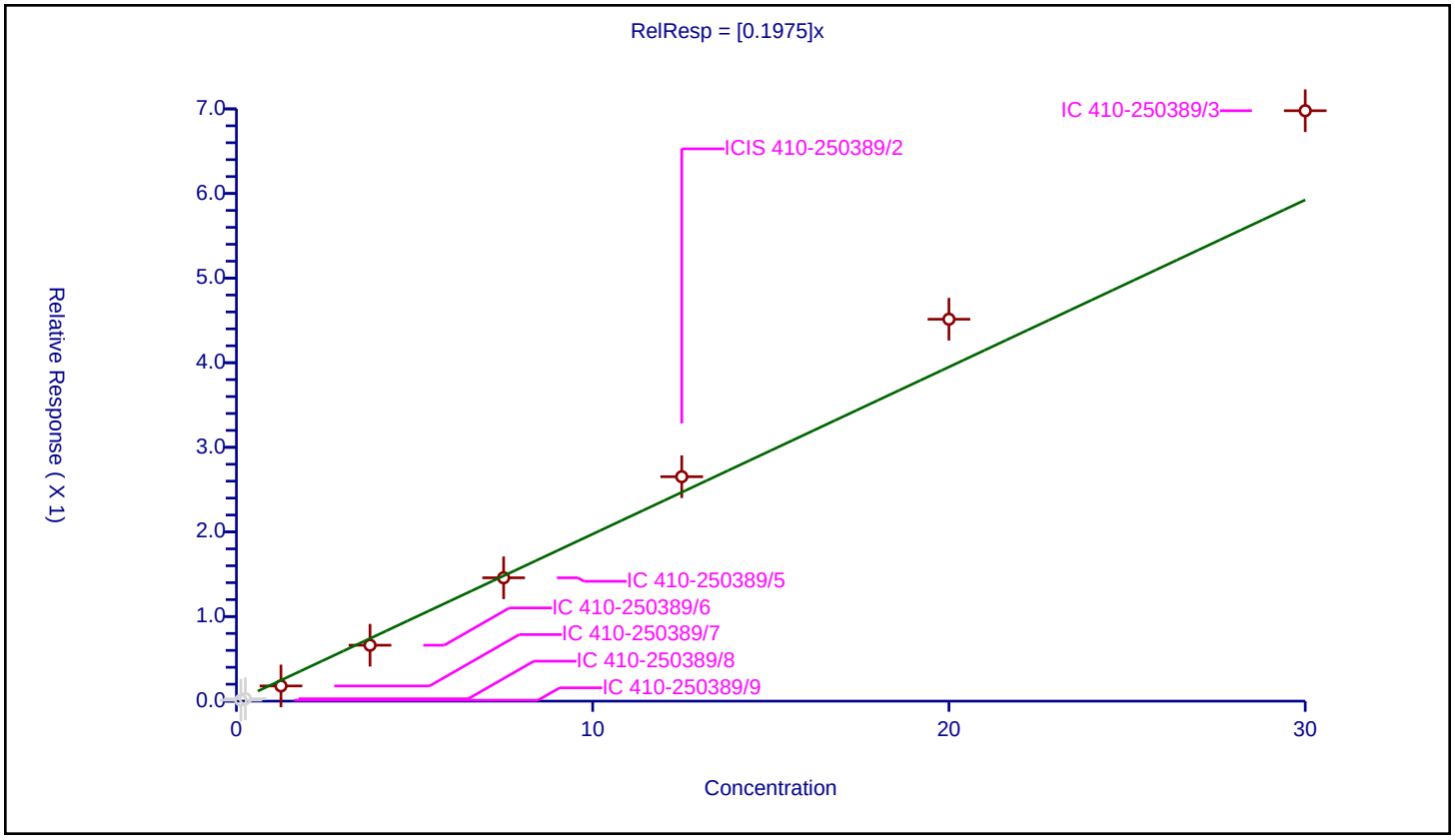
Curve Coefficients

Intercept:	0
Slope:	0.1975

Error Coefficients

Standard Error:	885000
Relative Standard Error:	16.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.011354	5.0	1112421.0	0.090829	N
2	IC 410-250389/8	0.25	0.028056	5.0	1272440.0	0.112225	N
3	IC 410-250389/7	1.25	0.179621	5.0	1122054.0	0.143697	Y
4	IC 410-250389/6	3.75	0.660999	5.0	1063360.0	0.176266	Y
5	IC 410-250389/5	7.5	1.458025	5.0	1084837.0	0.194403	Y
6	ICIS 410-250389/2	12.5	2.652493	5.0	1003571.0	0.212199	Y
7	IC 410-250389/4	20.0	4.514022	5.0	1122901.0	0.225701	Y
8	IC 410-250389/3	30.0	6.97825	5.0	1128864.0	0.232608	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

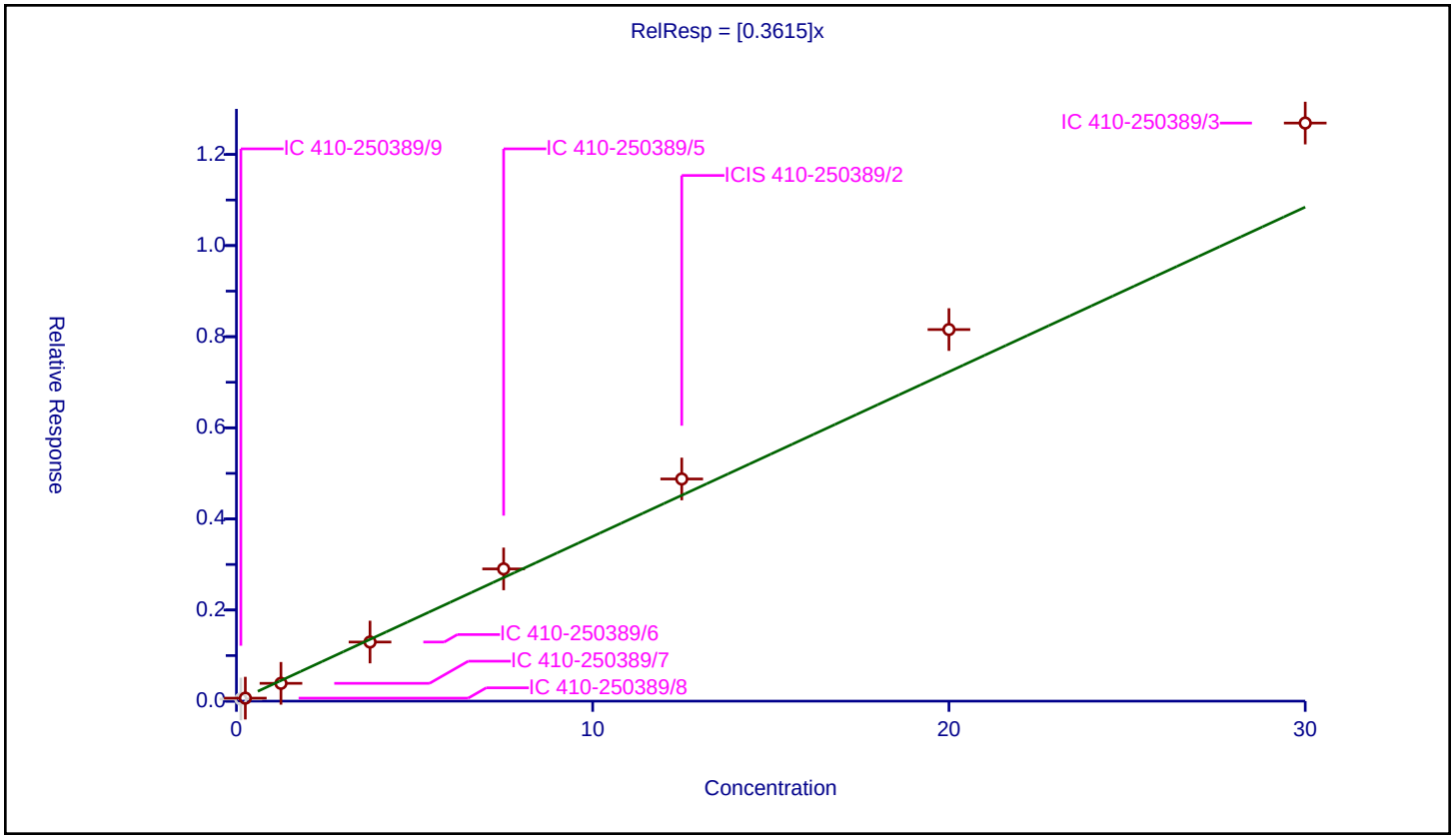
Curve Coefficients

Intercept:	0
Slope:	0.3615

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	15.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.047181	5.0	1112421.0	0.377447	N
2	IC 410-250389/8	0.25	0.065921	5.0	1272440.0	0.263682	Y
3	IC 410-250389/7	1.25	0.39085	5.0	1122054.0	0.31268	Y
4	IC 410-250389/6	3.75	1.297773	5.0	1063360.0	0.346073	Y
5	IC 410-250389/5	7.5	2.902565	5.0	1084837.0	0.387009	Y
6	ICIS 410-250389/2	12.5	4.87689	5.0	1003571.0	0.390151	Y
7	IC 410-250389/4	20.0	8.156654	5.0	1122901.0	0.407833	Y
8	IC 410-250389/3	30.0	12.689102	5.0	1128864.0	0.42297	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

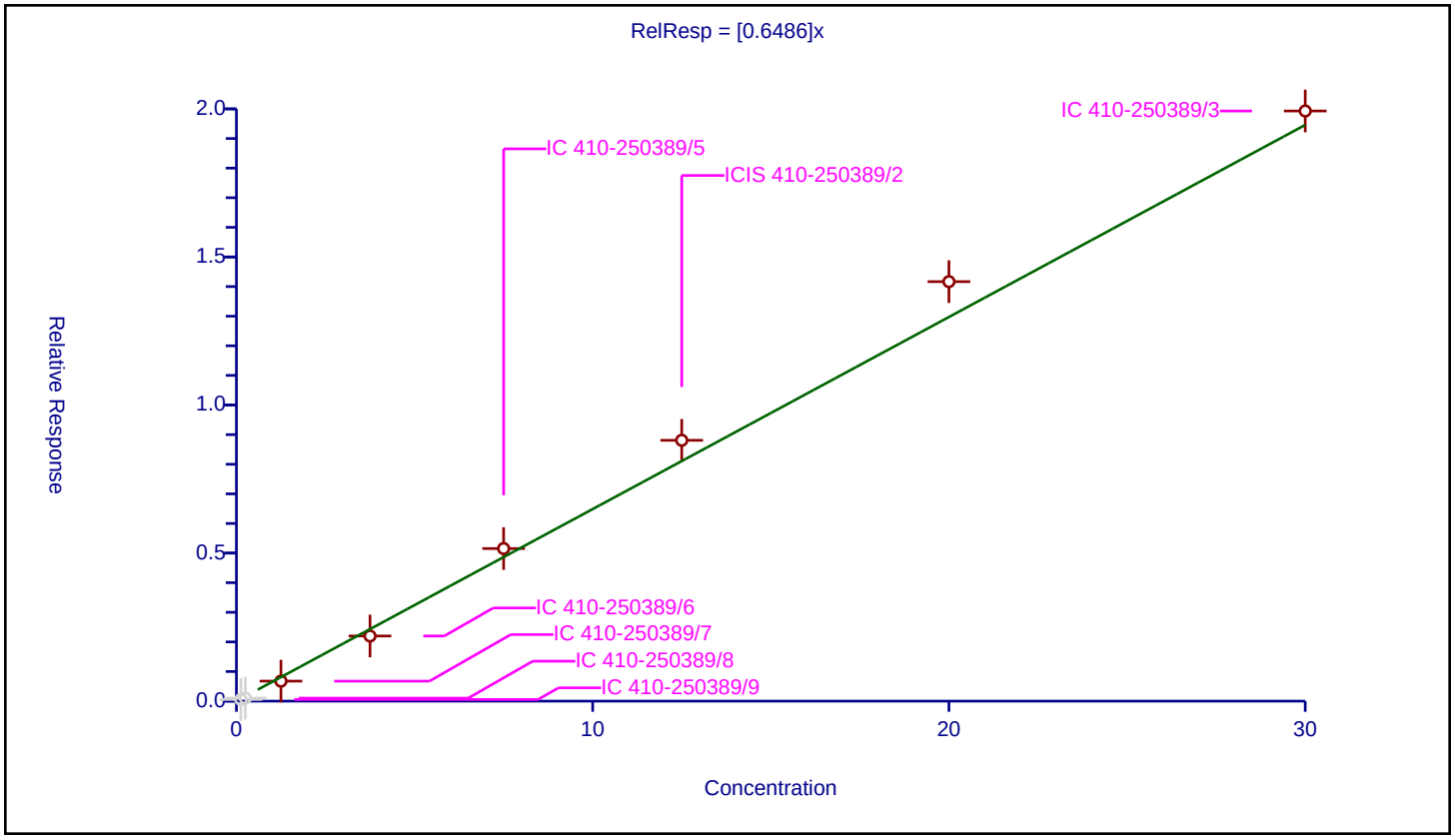
Curve Coefficients

Intercept:	0
Slope:	0.6486

Error Coefficients

Standard Error:	2650000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.055105	5.0	1112421.0	0.44084	N
2	IC 410-250389/8	0.25	0.100928	5.0	1272440.0	0.403713	N
3	IC 410-250389/7	1.25	0.675881	5.0	1122054.0	0.540705	Y
4	IC 410-250389/6	3.75	2.199161	5.0	1063360.0	0.586443	Y
5	IC 410-250389/5	7.5	5.152894	5.0	1084837.0	0.687053	Y
6	ICIS 410-250389/2	12.5	8.808739	5.0	1003571.0	0.704699	Y
7	IC 410-250389/4	20.0	14.166124	5.0	1122901.0	0.708306	Y
8	IC 410-250389/3	30.0	19.928844	5.0	1128864.0	0.664295	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

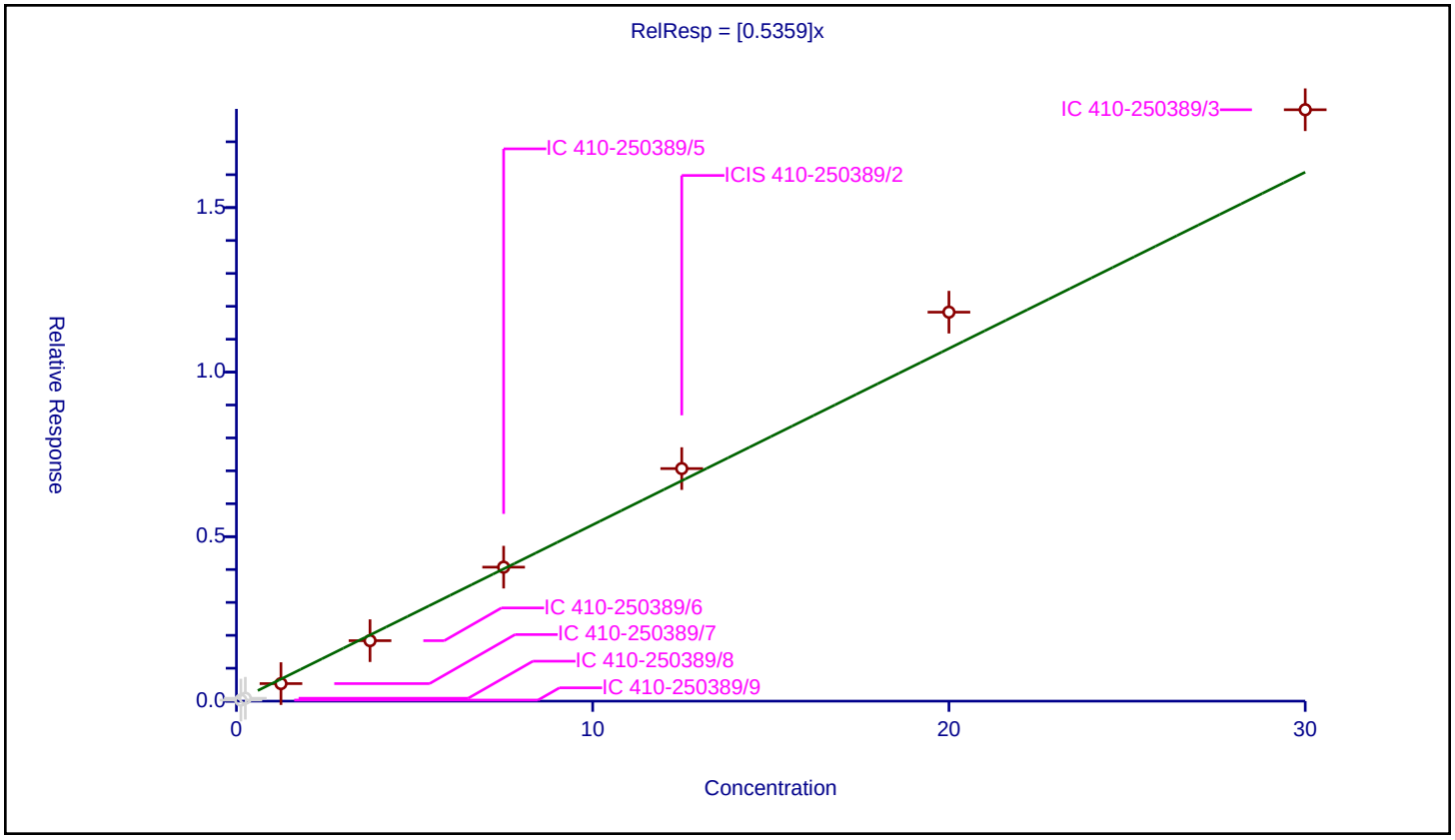
Curve Coefficients

Intercept:	0
Slope:	0.5359

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	12.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.032569	5.0	1112421.0	0.260549	N
2	IC 410-250389/8	0.25	0.08765	5.0	1272440.0	0.350602	N
3	IC 410-250389/7	1.25	0.533321	5.0	1122054.0	0.426657	Y
4	IC 410-250389/6	3.75	1.837661	5.0	1063360.0	0.490043	Y
5	IC 410-250389/5	7.5	4.071861	5.0	1084837.0	0.542915	Y
6	ICIS 410-250389/2	12.5	7.06799	5.0	1003571.0	0.565439	Y
7	IC 410-250389/4	20.0	11.822378	5.0	1122901.0	0.591119	Y
8	IC 410-250389/3	30.0	17.974154	5.0	1128864.0	0.599138	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

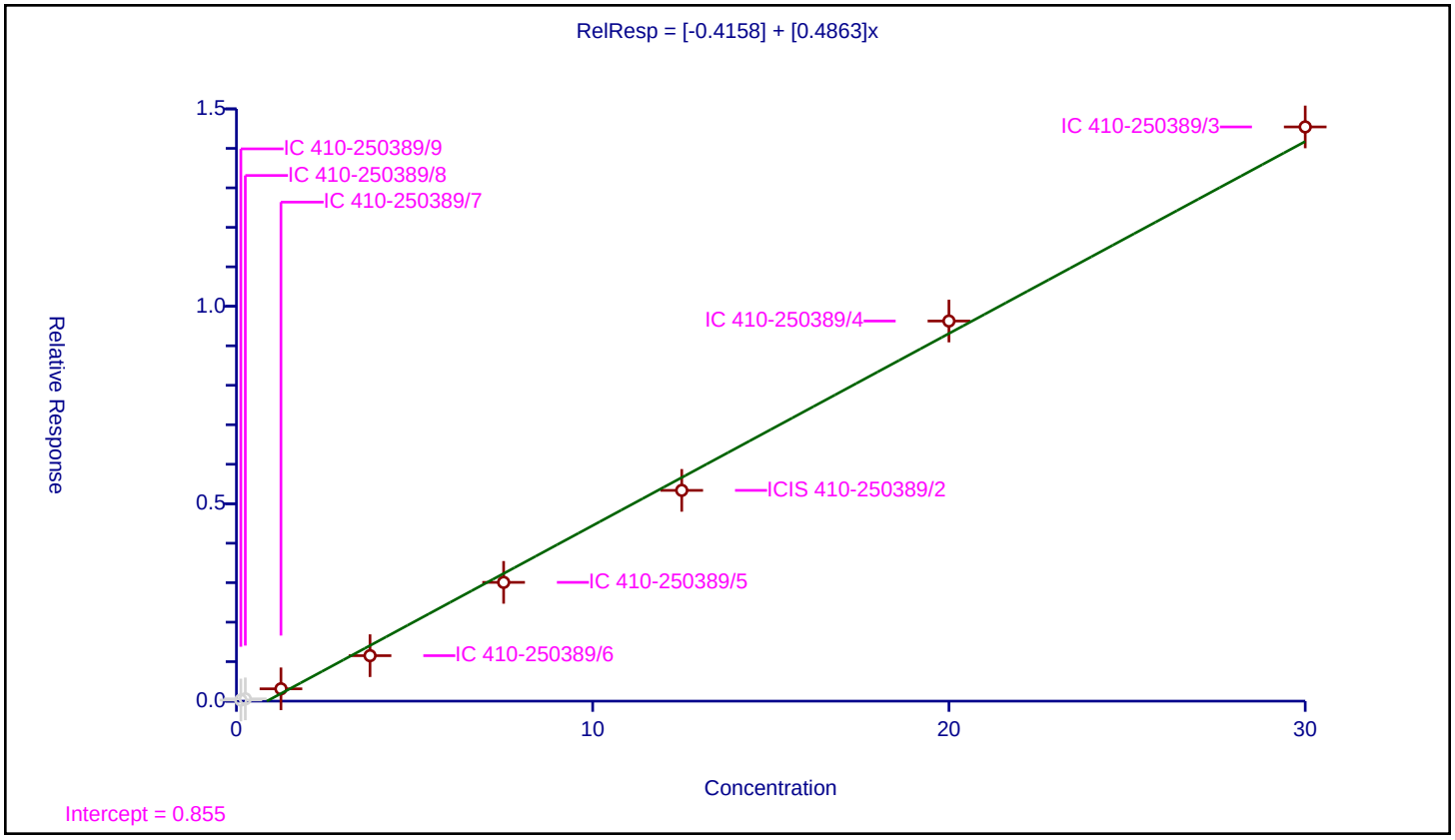
Curve Coefficients

Intercept:	-0.4158
Slope:	0.4863

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	12.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.028366	5.0	1112421.0	0.226928	N
2	IC 410-250389/8	0.25	0.057633	5.0	1272440.0	0.230533	N
3	IC 410-250389/7	1.25	0.312164	5.0	1122054.0	0.249731	Y
4	IC 410-250389/6	3.75	1.151745	5.0	1063360.0	0.307132	Y
5	IC 410-250389/5	7.5	3.007936	5.0	1084837.0	0.401058	Y
6	ICIS 410-250389/2	12.5	5.338476	5.0	1003571.0	0.427078	Y
7	IC 410-250389/4	20.0	9.626739	5.0	1122901.0	0.481337	Y
8	IC 410-250389/3	30.0	14.543634	5.0	1128864.0	0.484788	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

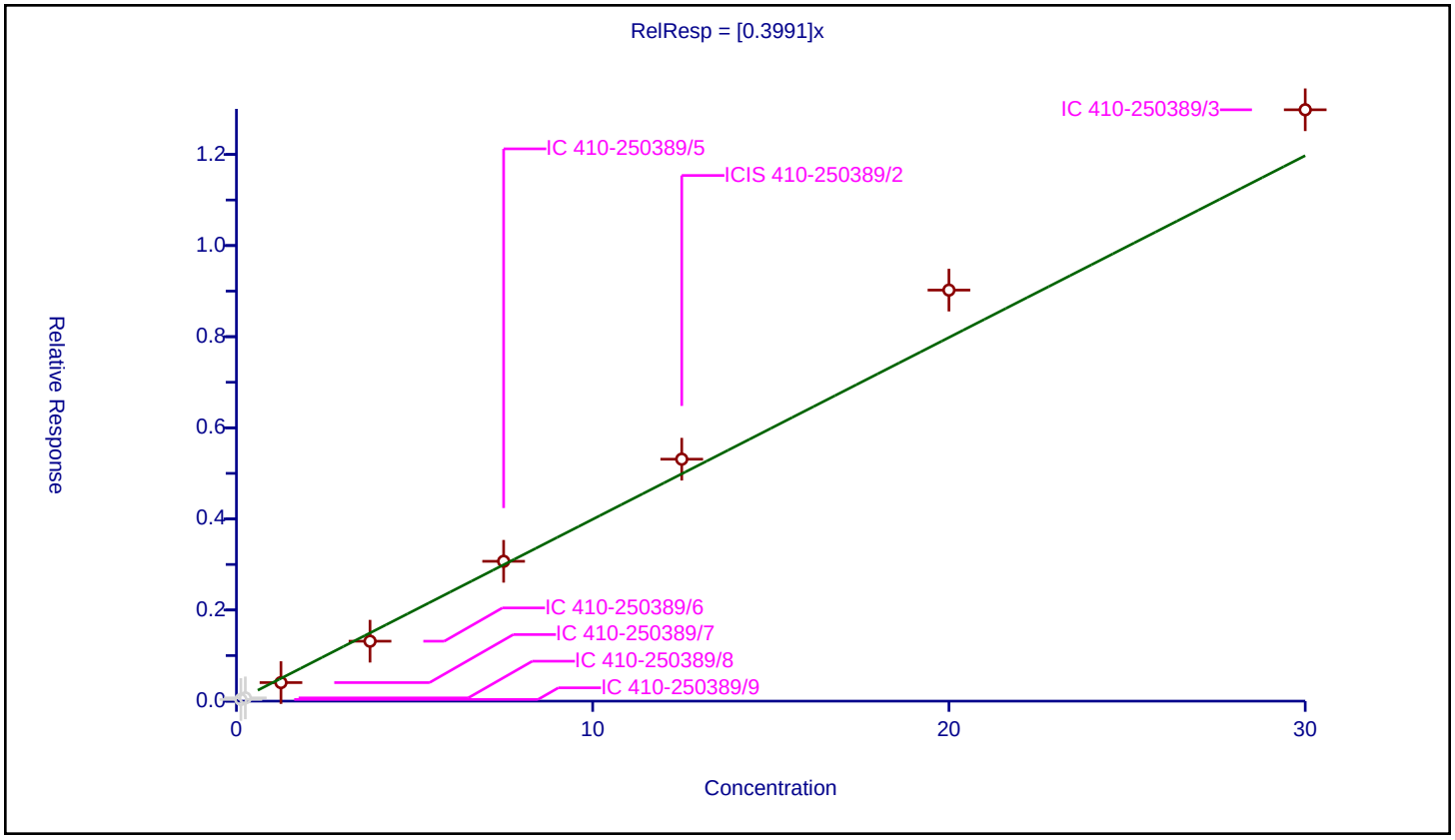
Curve Coefficients

Intercept:	0
Slope:	0.3991

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	12.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.037387	5.0	1112421.0	0.299095	N
2	IC 410-250389/8	0.25	0.070946	5.0	1272440.0	0.283785	N
3	IC 410-250389/7	1.25	0.4074	5.0	1122054.0	0.32592	Y
4	IC 410-250389/6	3.75	1.315655	5.0	1063360.0	0.350841	Y
5	IC 410-250389/5	7.5	3.069655	5.0	1084837.0	0.409287	Y
6	ICIS 410-250389/2	12.5	5.311249	5.0	1003571.0	0.4249	Y
7	IC 410-250389/4	20.0	9.022461	5.0	1122901.0	0.451123	Y
8	IC 410-250389/3	30.0	12.980616	5.0	1128864.0	0.432687	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

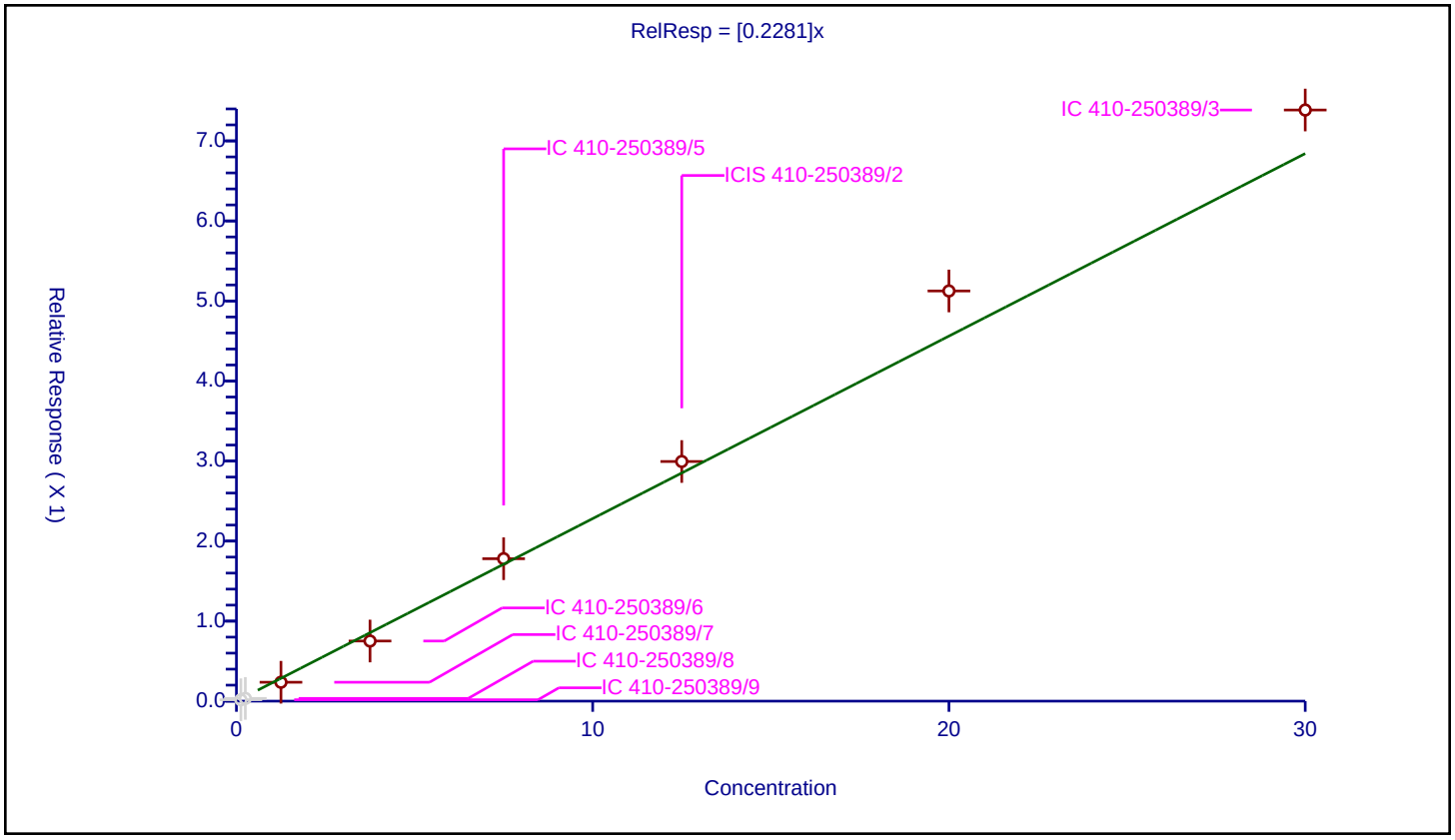
Curve Coefficients

Intercept:	0
Slope:	0.2281

Error Coefficients

Standard Error:	964000
Relative Standard Error:	11.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.017484	5.0	1112421.0	0.139875	N
2	IC 410-250389/8	0.25	0.034257	5.0	1272440.0	0.137028	N
3	IC 410-250389/7	1.25	0.235956	5.0	1122054.0	0.188765	Y
4	IC 410-250389/6	3.75	0.751171	5.0	1063360.0	0.200312	Y
5	IC 410-250389/5	7.5	1.77965	5.0	1084837.0	0.237287	Y
6	ICIS 410-250389/2	12.5	2.994372	5.0	1003571.0	0.23955	Y
7	IC 410-250389/4	20.0	5.124998	5.0	1122901.0	0.25625	Y
8	IC 410-250389/3	30.0	7.385916	5.0	1128864.0	0.246197	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

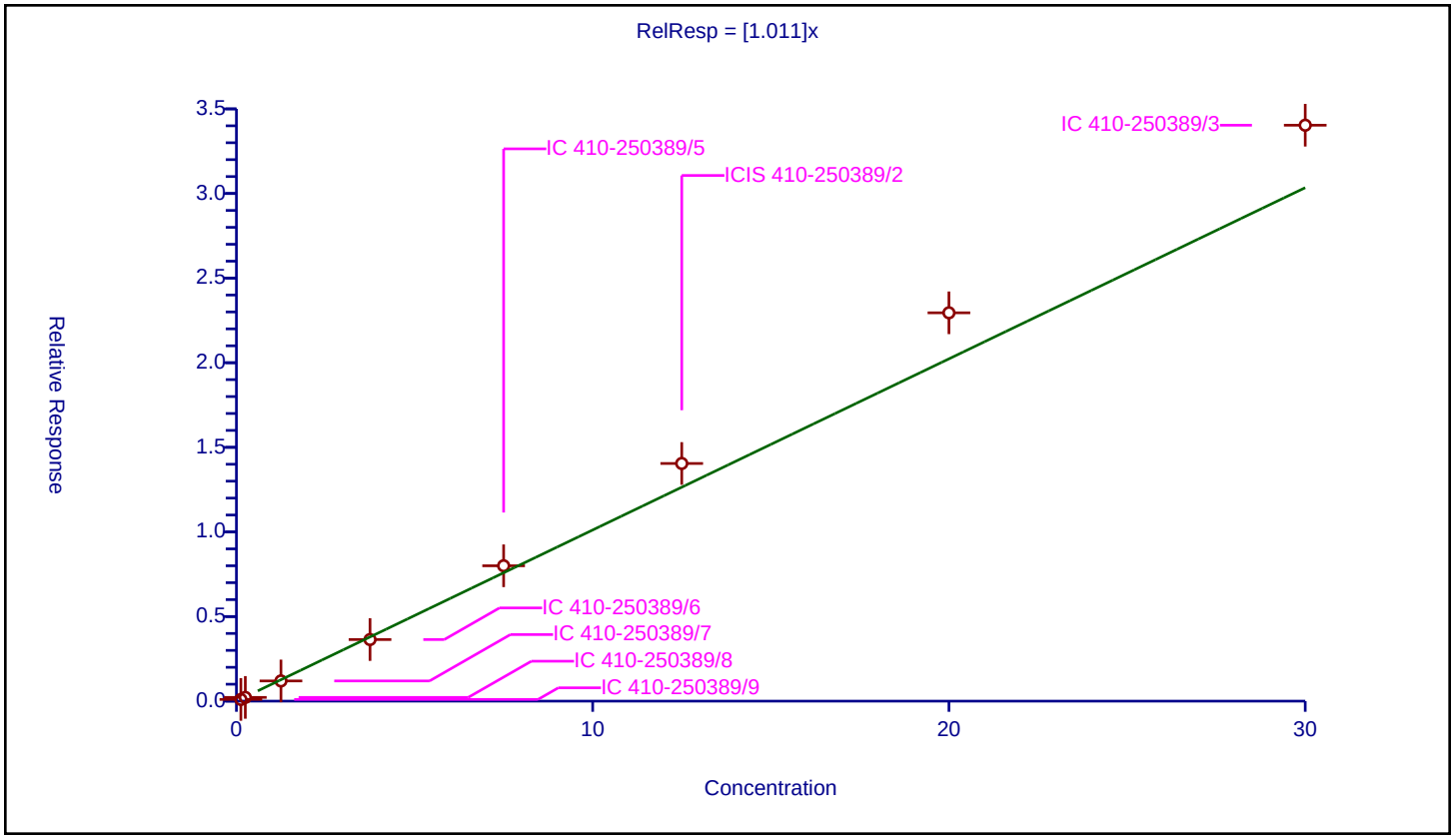
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Standard Error:	3730000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.101369	5.0	1112421.0	0.810952	Y
2	IC 410-250389/8	0.25	0.220553	5.0	1272440.0	0.882211	Y
3	IC 410-250389/7	1.25	1.194488	5.0	1122054.0	0.95559	Y
4	IC 410-250389/6	3.75	3.639572	5.0	1063360.0	0.970552	Y
5	IC 410-250389/5	7.5	7.999082	5.0	1084837.0	1.066544	Y
6	ICIS 410-250389/2	12.5	14.045837	5.0	1003571.0	1.123667	Y
7	IC 410-250389/4	20.0	22.948915	5.0	1122901.0	1.147446	Y
8	IC 410-250389/3	30.0	34.035663	5.0	1128864.0	1.134522	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

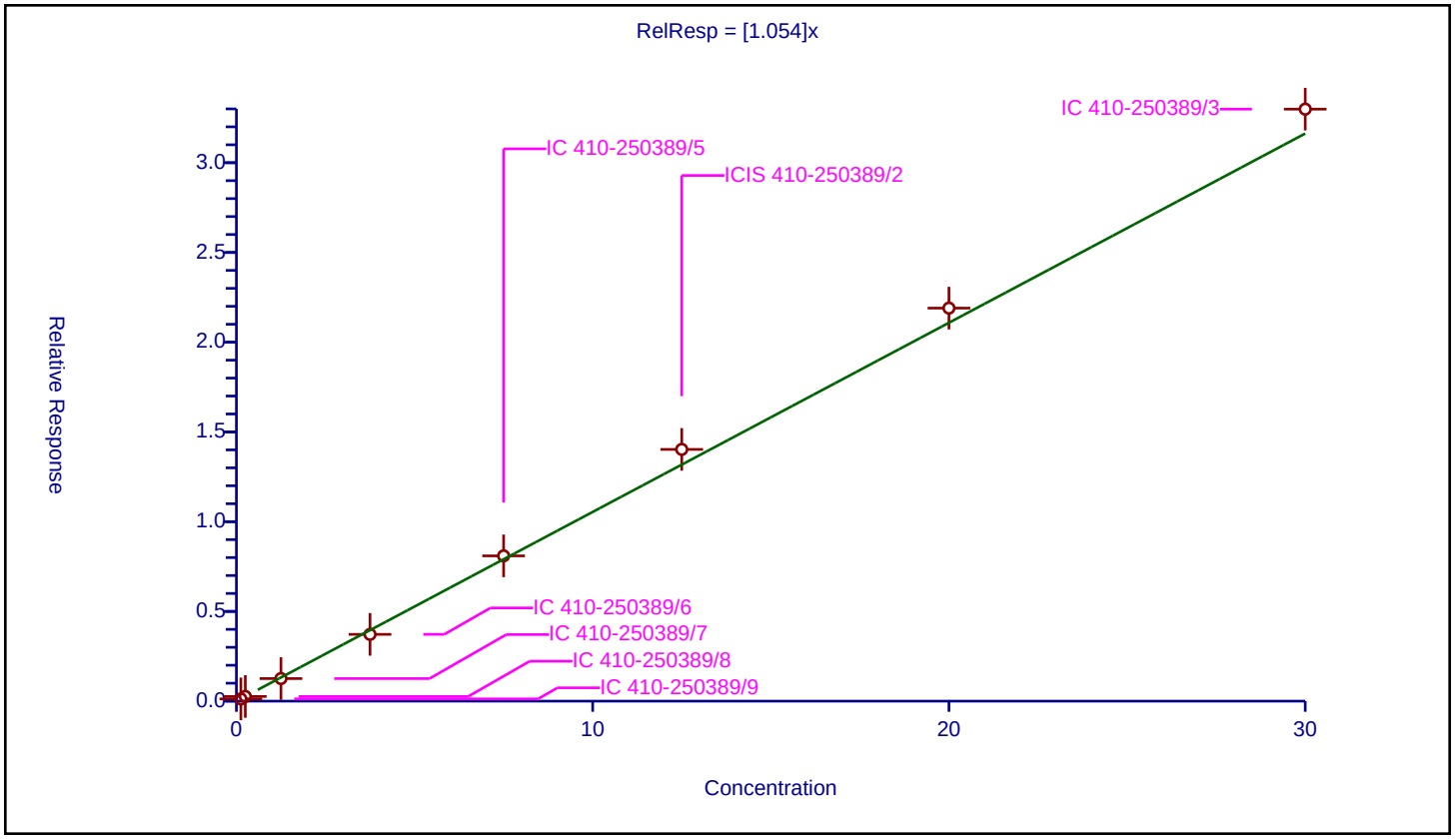
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.124768	5.0	1112421.0	0.998147	Y
2	IC 410-250389/8	0.25	0.260197	5.0	1272440.0	1.040788	Y
3	IC 410-250389/7	1.25	1.257947	5.0	1122054.0	1.006358	Y
4	IC 410-250389/6	3.75	3.720654	5.0	1063360.0	0.992174	Y
5	IC 410-250389/5	7.5	8.095424	5.0	1084837.0	1.07939	Y
6	ICIS 410-250389/2	12.5	14.026666	5.0	1003571.0	1.122133	Y
7	IC 410-250389/4	20.0	21.899482	5.0	1122901.0	1.094974	Y
8	IC 410-250389/3	30.0	32.984735	5.0	1128864.0	1.099491	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

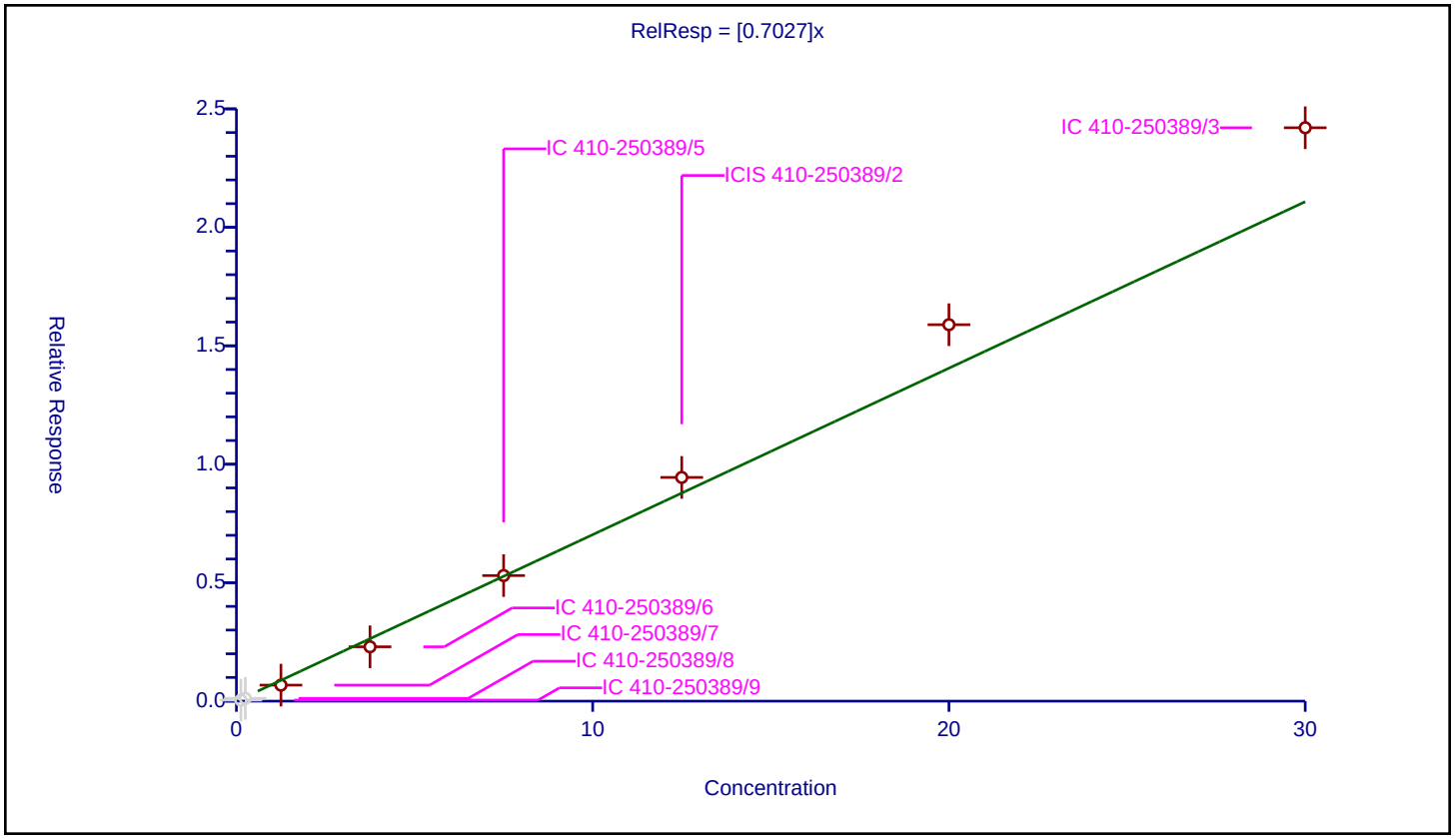
Curve Coefficients

Intercept:	0
Slope:	0.7027

Error Coefficients

Standard Error:	3090000
Relative Standard Error:	15.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.0443	5.0	1112421.0	0.354398	N
2	IC 410-250389/8	0.25	0.117444	5.0	1272440.0	0.469775	N
3	IC 410-250389/7	1.25	0.676492	5.0	1122054.0	0.541193	Y
4	IC 410-250389/6	3.75	2.293964	5.0	1063360.0	0.611724	Y
5	IC 410-250389/5	7.5	5.300723	5.0	1084837.0	0.706763	Y
6	ICIS 410-250389/2	12.5	9.443328	5.0	1003571.0	0.755466	Y
7	IC 410-250389/4	20.0	15.890395	5.0	1122901.0	0.79452	Y
8	IC 410-250389/3	30.0	24.204262	5.0	1128864.0	0.806809	Y



Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

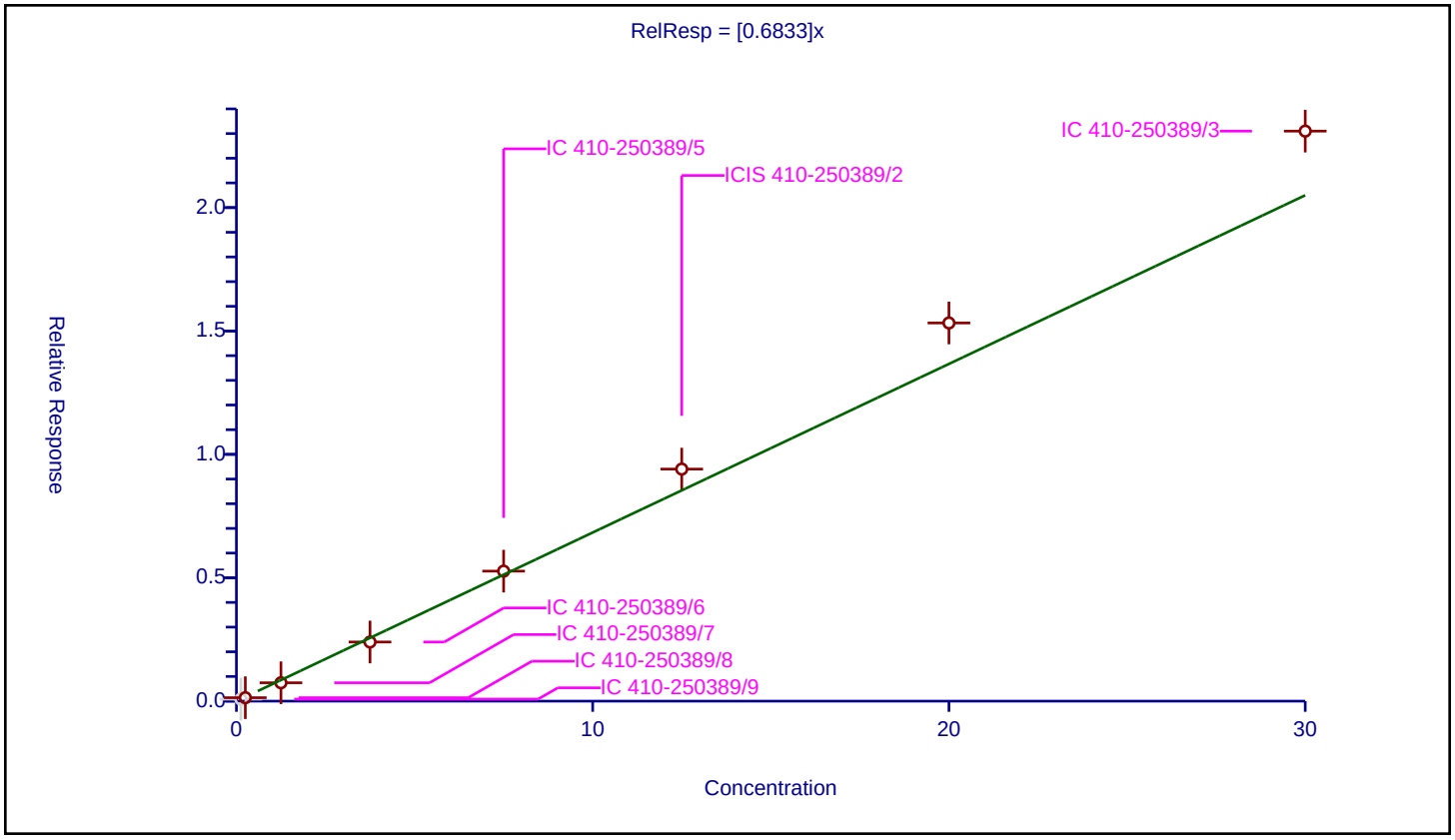
Curve Coefficients

Intercept:	0
Slope:	0.6833

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	12.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.080968	5.0	1112421.0	0.64774	N
2	IC 410-250389/8	0.25	0.139374	5.0	1272440.0	0.557496	Y
3	IC 410-250389/7	1.25	0.74414	5.0	1122054.0	0.595312	Y
4	IC 410-250389/6	3.75	2.397006	5.0	1063360.0	0.639202	Y
5	IC 410-250389/5	7.5	5.268294	5.0	1084837.0	0.702439	Y
6	ICIS 410-250389/2	12.5	9.403948	5.0	1003571.0	0.752316	Y
7	IC 410-250389/4	20.0	15.324695	5.0	1122901.0	0.766235	Y
8	IC 410-250389/3	30.0	23.099222	5.0	1128864.0	0.769974	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

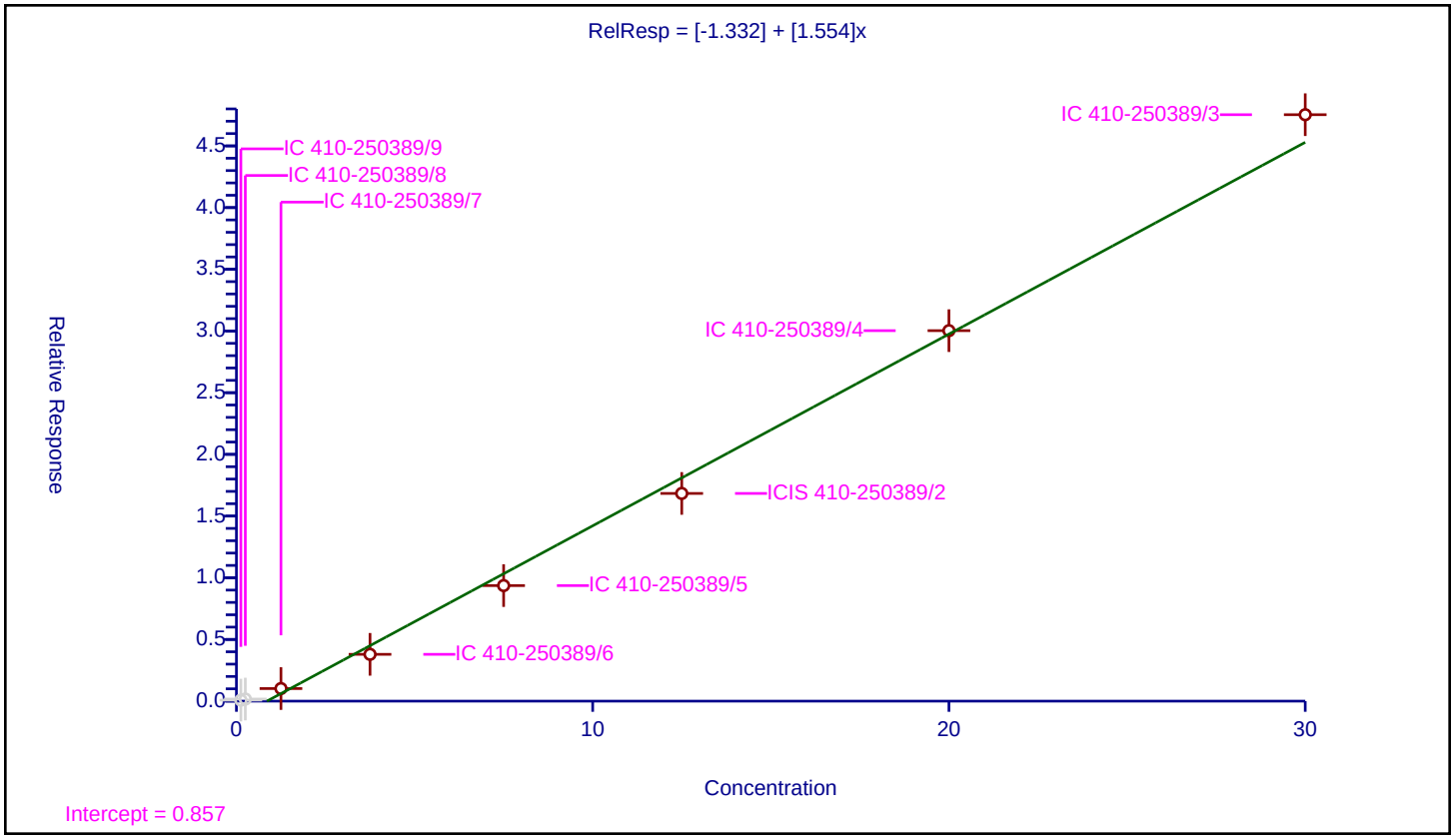
Curve Coefficients

Intercept:	-1.332
Slope:	1.554

Error Coefficients

Standard Error:	5610000
Relative Standard Error:	13.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.082141	5.0	867713.0	0.65713	N
2	IC 410-250389/8	0.25	0.170057	5.0	1023216.0	0.680228	N
3	IC 410-250389/7	1.25	1.020937	5.0	907877.0	0.816749	Y
4	IC 410-250389/6	3.75	3.792893	5.0	841280.0	1.011438	Y
5	IC 410-250389/5	7.5	9.365198	5.0	902234.0	1.248693	Y
6	ICIS 410-250389/2	12.5	16.833243	5.0	861476.0	1.346659	Y
7	IC 410-250389/4	20.0	30.027124	5.0	963177.0	1.501356	Y
8	IC 410-250389/3	30.0	47.52953	5.0	944223.0	1.584318	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

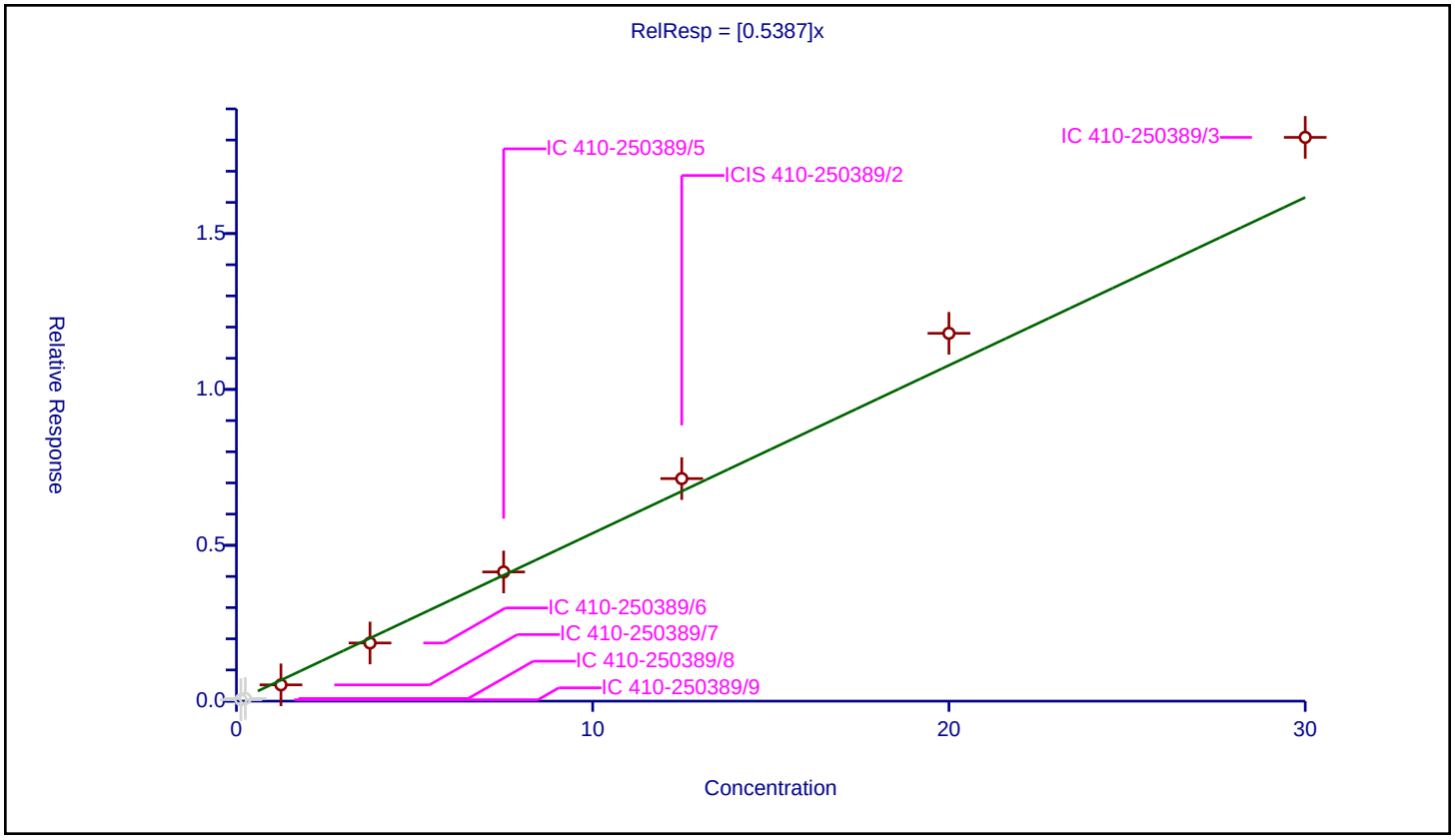
Curve Coefficients

Intercept:	0
Slope:	0.5387

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	12.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.045459	5.0	867713.0	0.363669	N
2	IC 410-250389/8	0.25	0.084674	5.0	1023216.0	0.338697	N
3	IC 410-250389/7	1.25	0.522461	5.0	907877.0	0.417969	Y
4	IC 410-250389/6	3.75	1.86536	5.0	841280.0	0.497429	Y
5	IC 410-250389/5	7.5	4.144623	5.0	902234.0	0.552616	Y
6	ICIS 410-250389/2	12.5	7.138945	5.0	861476.0	0.571116	Y
7	IC 410-250389/4	20.0	11.800604	5.0	963177.0	0.59003	Y
8	IC 410-250389/3	30.0	18.086792	5.0	944223.0	0.602893	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

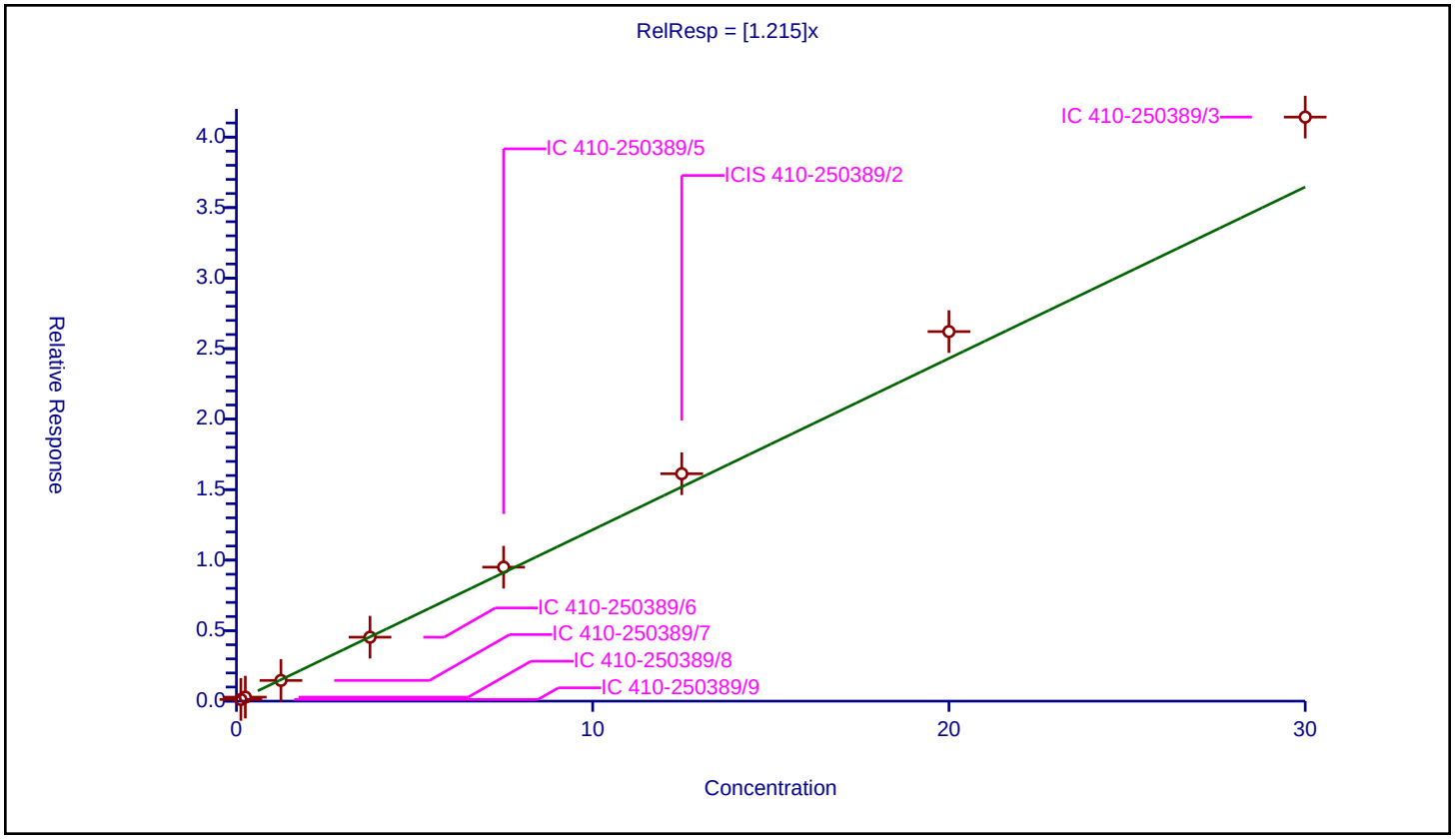
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Standard Error:	3740000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.119579	5.0	867713.0	0.95663	Y
2	IC 410-250389/8	0.25	0.28344	5.0	1023216.0	1.133759	Y
3	IC 410-250389/7	1.25	1.468024	5.0	907877.0	1.174419	Y
4	IC 410-250389/6	3.75	4.536825	5.0	841280.0	1.20982	Y
5	IC 410-250389/5	7.5	9.500368	5.0	902234.0	1.266716	Y
6	ICIS 410-250389/2	12.5	16.126775	5.0	861476.0	1.290142	Y
7	IC 410-250389/4	20.0	26.20768	5.0	963177.0	1.310384	Y
8	IC 410-250389/3	30.0	41.419135	5.0	944223.0	1.380638	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

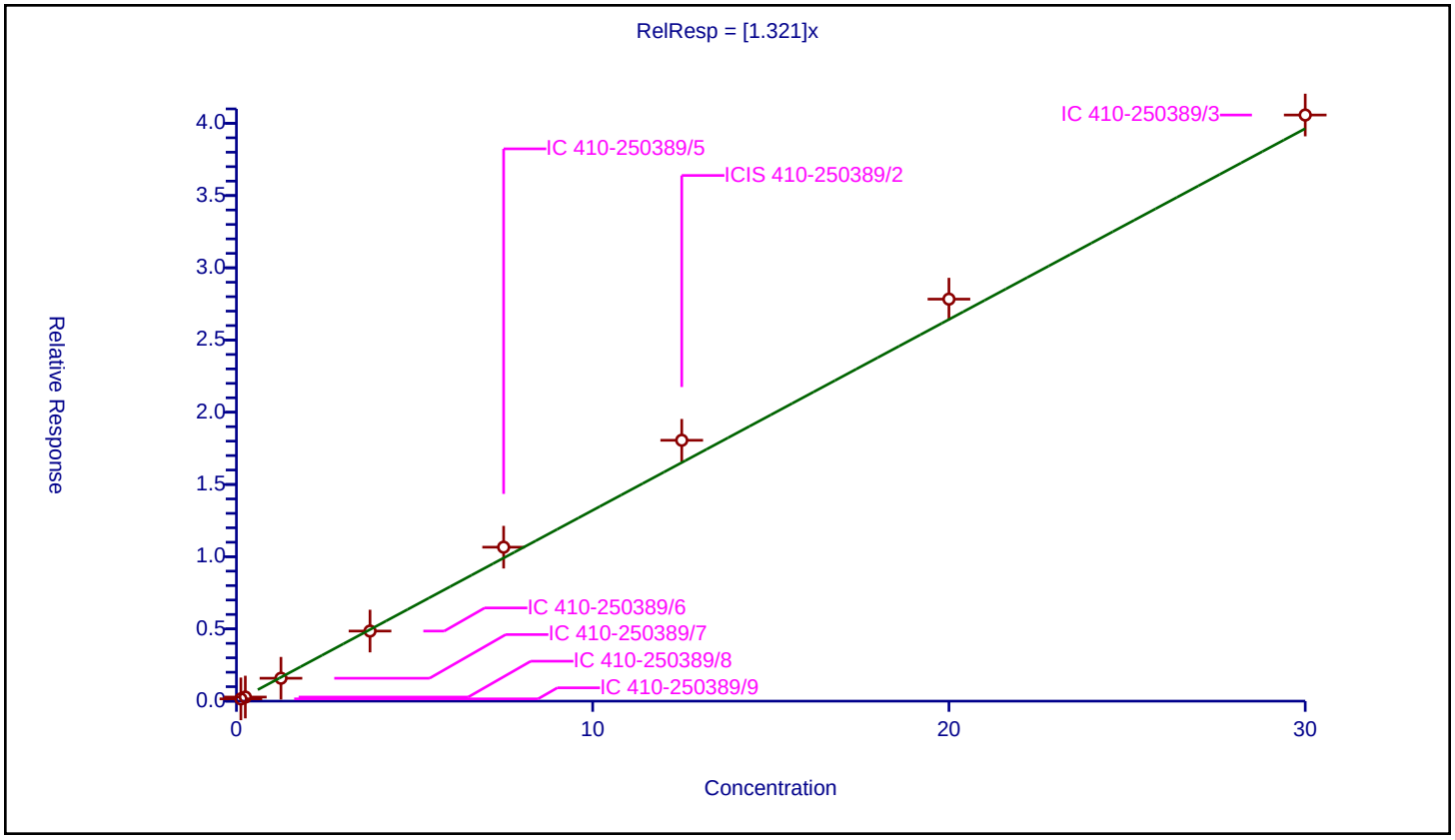
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Standard Error:	3810000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.158076	5.0	867713.0	1.264612	Y
2	IC 410-250389/8	0.25	0.28323	5.0	1023216.0	1.132918	Y
3	IC 410-250389/7	1.25	1.585523	5.0	907877.0	1.268419	Y
4	IC 410-250389/6	3.75	4.851417	5.0	841280.0	1.293711	Y
5	IC 410-250389/5	7.5	10.65774	5.0	902234.0	1.421032	Y
6	ICIS 410-250389/2	12.5	18.059104	5.0	861476.0	1.444728	Y
7	IC 410-250389/4	20.0	27.829983	5.0	963177.0	1.391499	Y
8	IC 410-250389/3	30.0	40.575547	5.0	944223.0	1.352518	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

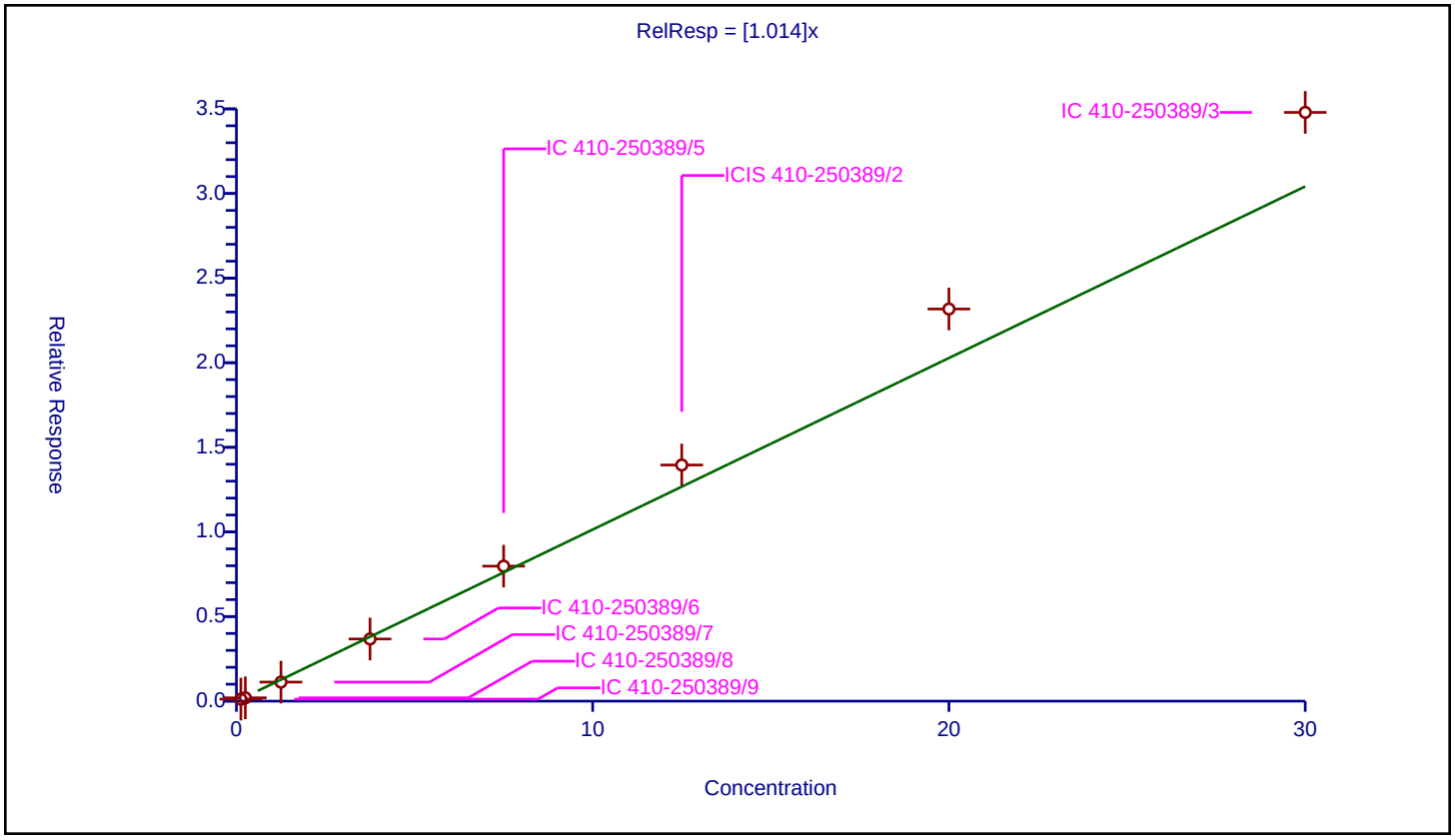
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	3190000
Relative Standard Error:	13.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.118835	5.0	867713.0	0.950683	Y
2	IC 410-250389/8	0.25	0.19535	5.0	1023216.0	0.781399	Y
3	IC 410-250389/7	1.25	1.126507	5.0	907877.0	0.901206	Y
4	IC 410-250389/6	3.75	3.672541	5.0	841280.0	0.979344	Y
5	IC 410-250389/5	7.5	7.977775	5.0	902234.0	1.063703	Y
6	ICIS 410-250389/2	12.5	13.954161	5.0	861476.0	1.116333	Y
7	IC 410-250389/4	20.0	23.173409	5.0	963177.0	1.15867	Y
8	IC 410-250389/3	30.0	34.792692	5.0	944223.0	1.159756	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

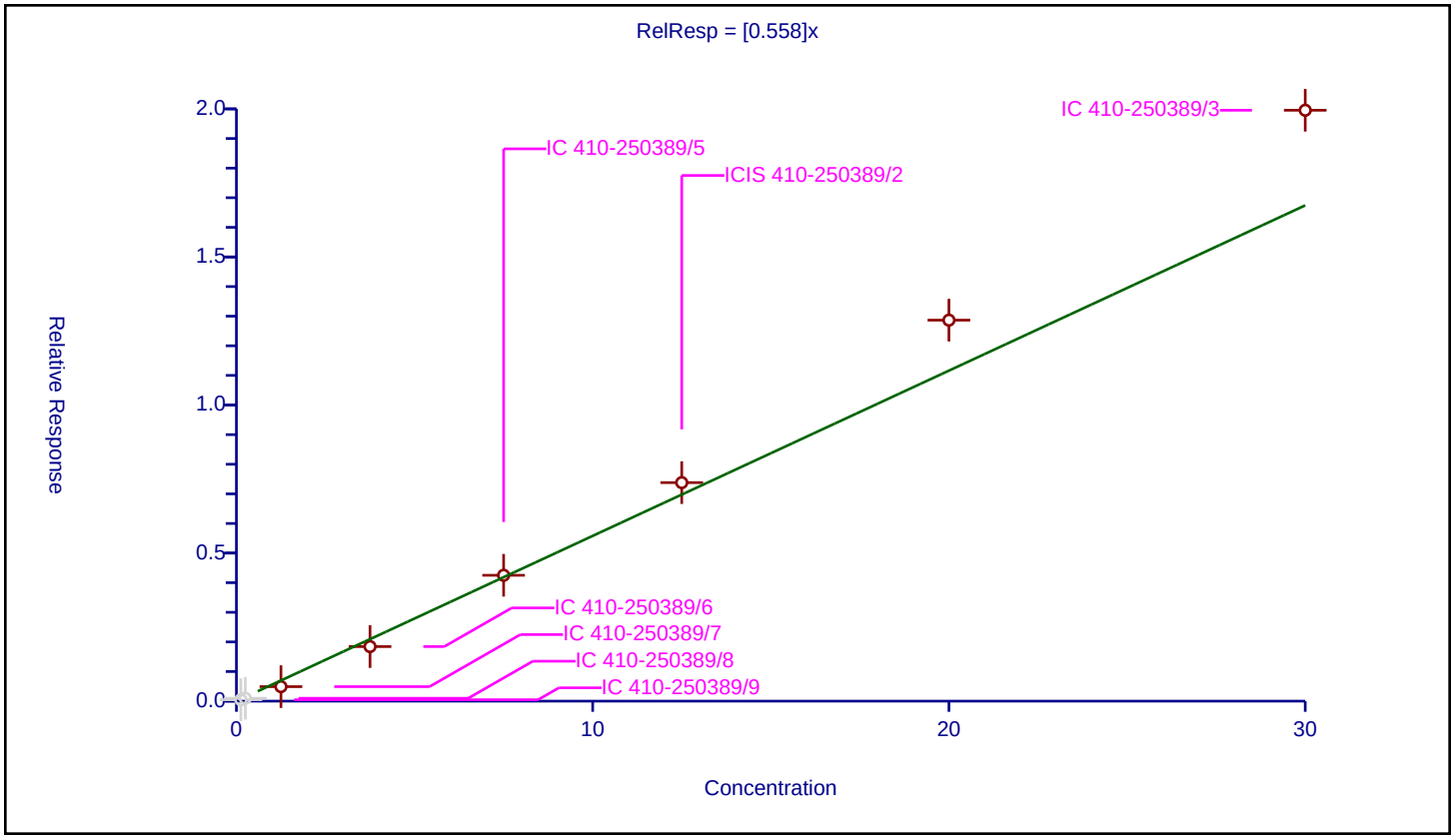
Curve Coefficients

Intercept:	0
Slope:	0.558

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	18.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.046951	5.0	867713.0	0.375608	N
2	IC 410-250389/8	0.25	0.097311	5.0	1023216.0	0.389243	N
3	IC 410-250389/7	1.25	0.489538	5.0	907877.0	0.39163	Y
4	IC 410-250389/6	3.75	1.842092	5.0	841280.0	0.491224	Y
5	IC 410-250389/5	7.5	4.249868	5.0	902234.0	0.566649	Y
6	ICIS 410-250389/2	12.5	7.379143	5.0	861476.0	0.590331	Y
7	IC 410-250389/4	20.0	12.865346	5.0	963177.0	0.643267	Y
8	IC 410-250389/3	30.0	19.954153	5.0	944223.0	0.665138	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

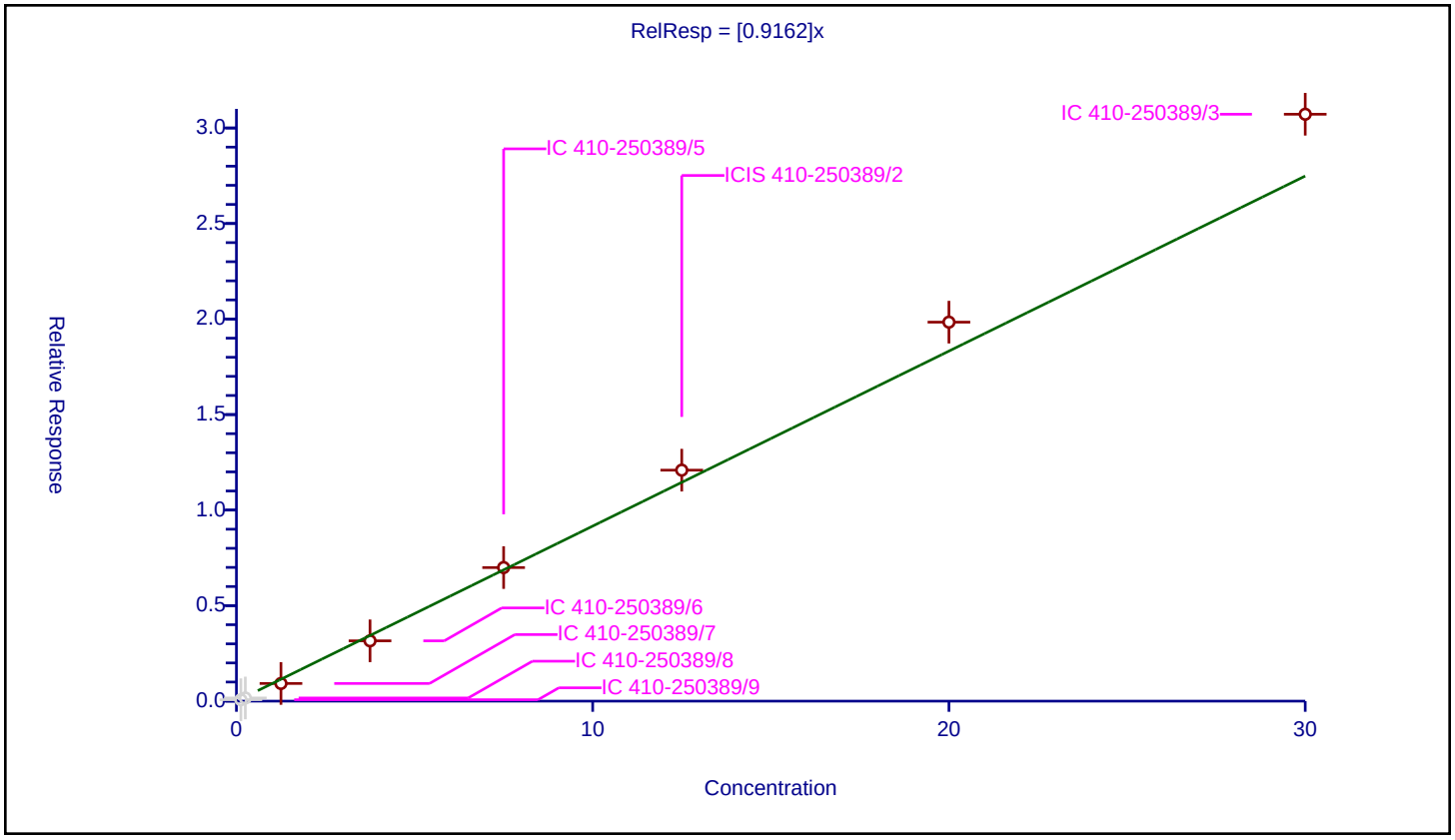
Curve Coefficients

Intercept:	0
Slope:	0.9162

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	11.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.075152	5.0	867713.0	0.601213	N
2	IC 410-250389/8	0.25	0.165214	5.0	1023216.0	0.660858	N
3	IC 410-250389/7	1.25	0.924657	5.0	907877.0	0.739726	Y
4	IC 410-250389/6	3.75	3.156821	5.0	841280.0	0.841819	Y
5	IC 410-250389/5	7.5	6.992294	5.0	902234.0	0.932306	Y
6	ICIS 410-250389/2	12.5	12.090412	5.0	861476.0	0.967233	Y
7	IC 410-250389/4	20.0	19.837423	5.0	963177.0	0.991871	Y
8	IC 410-250389/3	30.0	30.719952	5.0	944223.0	1.023998	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

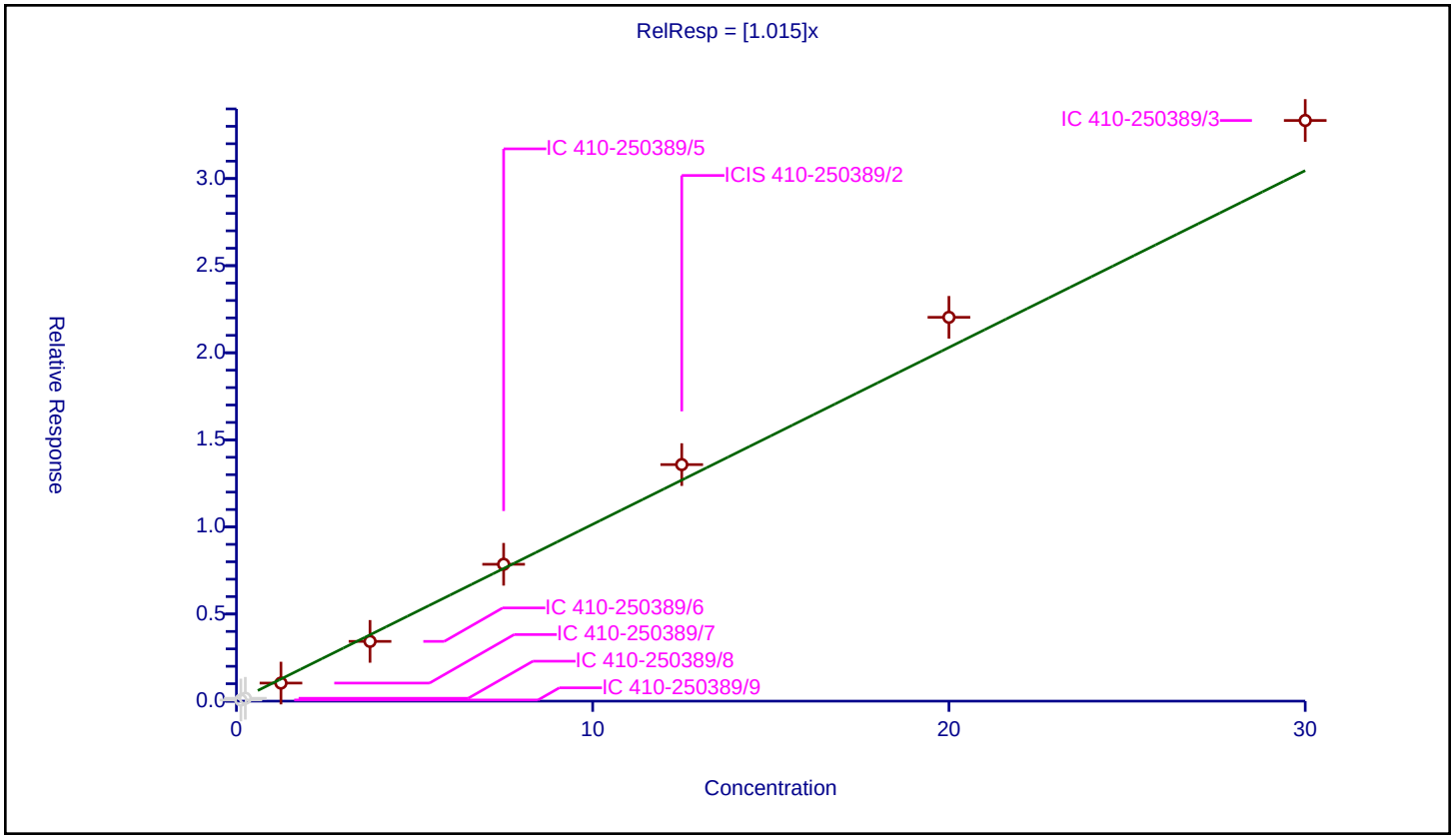
Curve Coefficients

Intercept:	0
Slope:	1.015

Error Coefficients

Standard Error:	3620000
Relative Standard Error:	11.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.065938	5.0	867713.0	0.527502	N
2	IC 410-250389/8	0.25	0.164892	5.0	1023216.0	0.659567	N
3	IC 410-250389/7	1.25	1.037013	5.0	907877.0	0.82961	Y
4	IC 410-250389/6	3.75	3.430992	5.0	841280.0	0.914931	Y
5	IC 410-250389/5	7.5	7.857346	5.0	902234.0	1.047646	Y
6	ICIS 410-250389/2	12.5	13.57967	5.0	861476.0	1.086374	Y
7	IC 410-250389/4	20.0	22.034662	5.0	963177.0	1.101733	Y
8	IC 410-250389/3	30.0	33.334382	5.0	944223.0	1.111146	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

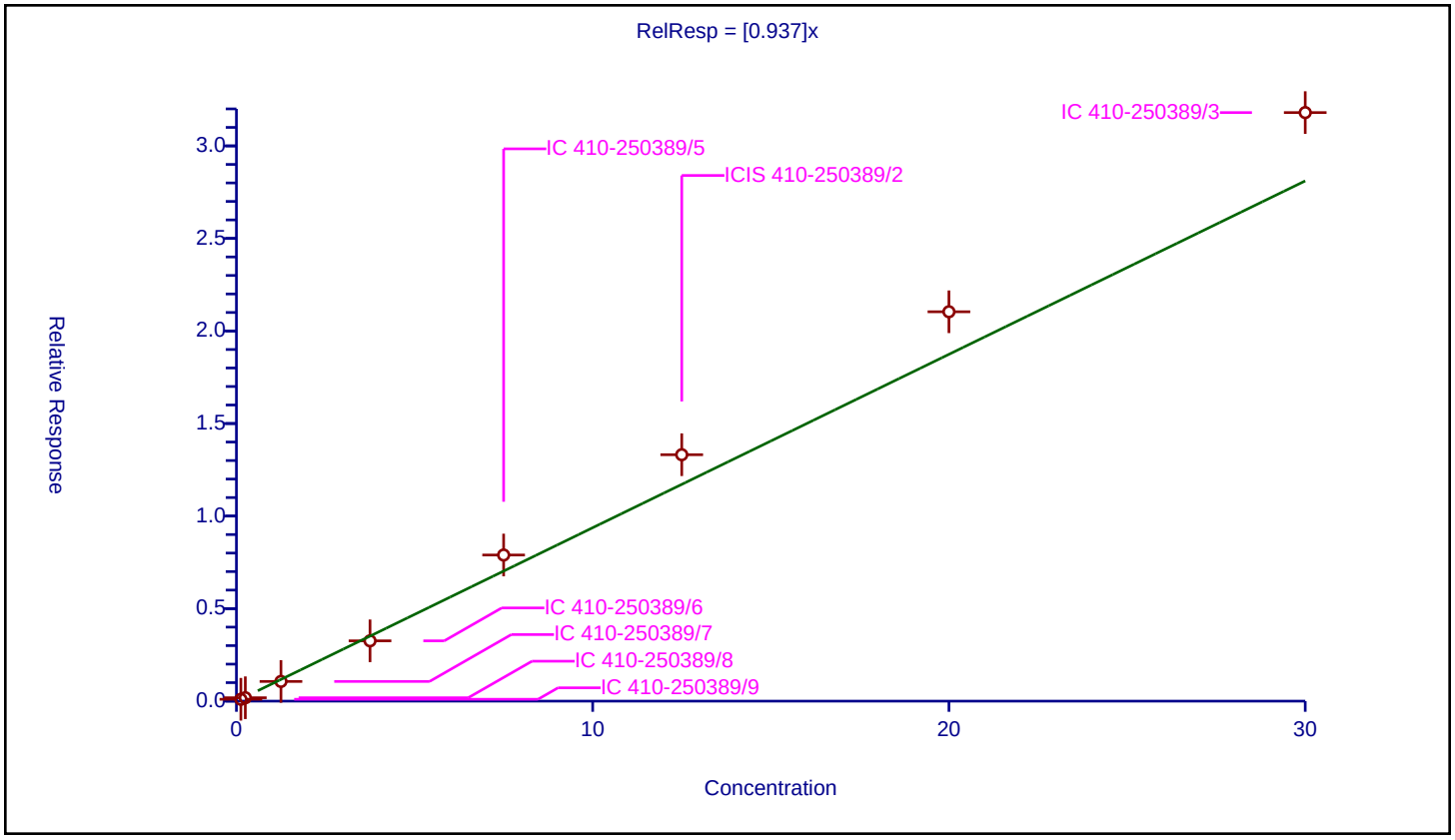
Curve Coefficients

Intercept:	0
Slope:	0.937

Error Coefficients

Standard Error:	2930000
Relative Standard Error:	14.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.101842	5.0	867713.0	0.814739	Y
2	IC 410-250389/8	0.25	0.182801	5.0	1023216.0	0.731204	Y
3	IC 410-250389/7	1.25	1.06369	5.0	907877.0	0.850952	Y
4	IC 410-250389/6	3.75	3.258576	5.0	841280.0	0.868954	Y
5	IC 410-250389/5	7.5	7.895435	5.0	902234.0	1.052725	Y
6	ICIS 410-250389/2	12.5	13.314399	5.0	861476.0	1.065152	Y
7	IC 410-250389/4	20.0	21.03915	5.0	963177.0	1.051957	Y
8	IC 410-250389/3	30.0	31.800629	5.0	944223.0	1.060021	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

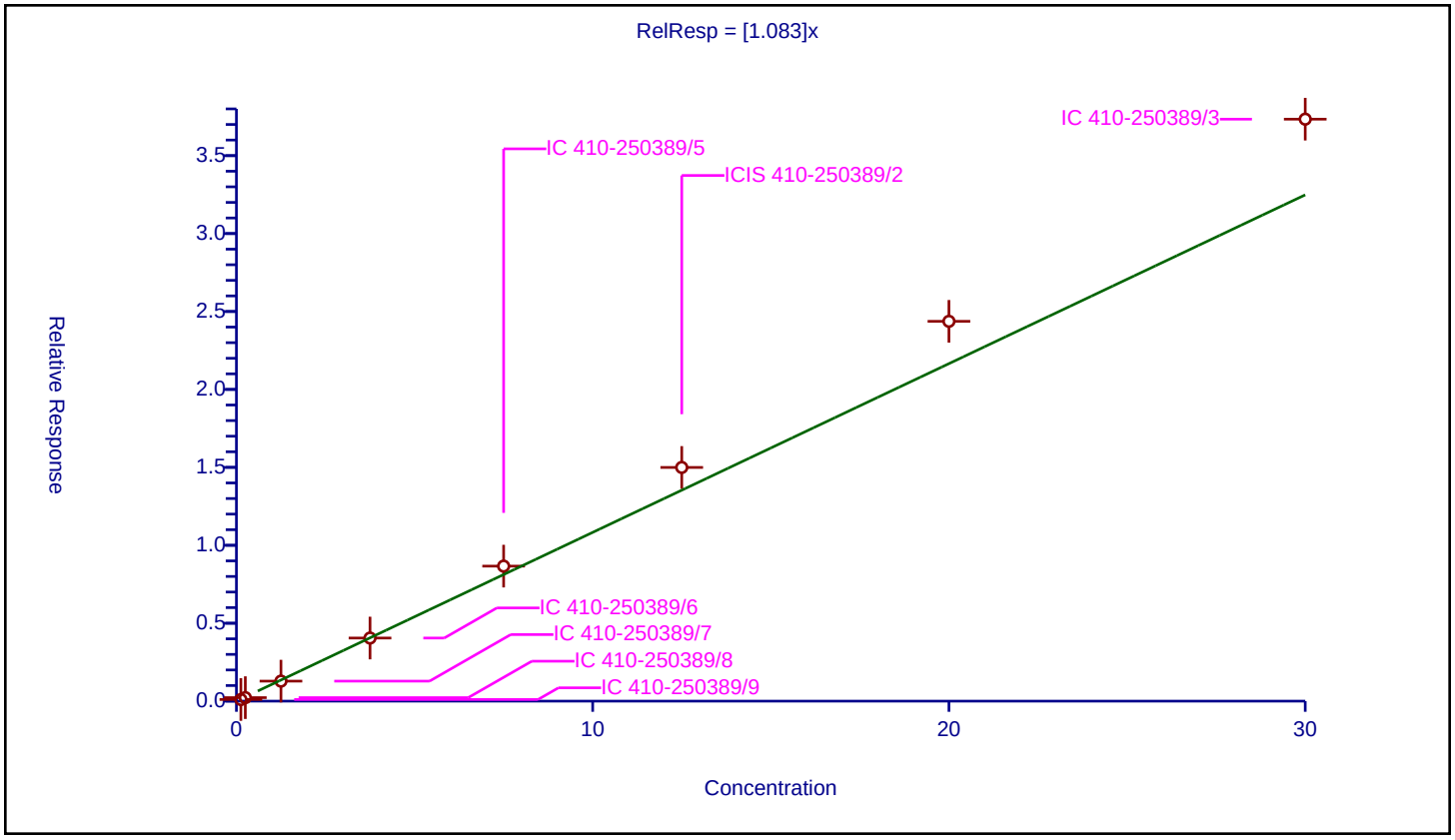
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Standard Error:	3410000
Relative Standard Error:	13.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.105219	5.0	867713.0	0.841753	Y
2	IC 410-250389/8	0.25	0.224078	5.0	1023216.0	0.896311	Y
3	IC 410-250389/7	1.25	1.283571	5.0	907877.0	1.026857	Y
4	IC 410-250389/6	3.75	4.048569	5.0	841280.0	1.079618	Y
5	IC 410-250389/5	7.5	8.663057	5.0	902234.0	1.155074	Y
6	ICIS 410-250389/2	12.5	14.994388	5.0	861476.0	1.199551	Y
7	IC 410-250389/4	20.0	24.370547	5.0	963177.0	1.218527	Y
8	IC 410-250389/3	30.0	37.341073	5.0	944223.0	1.244702	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

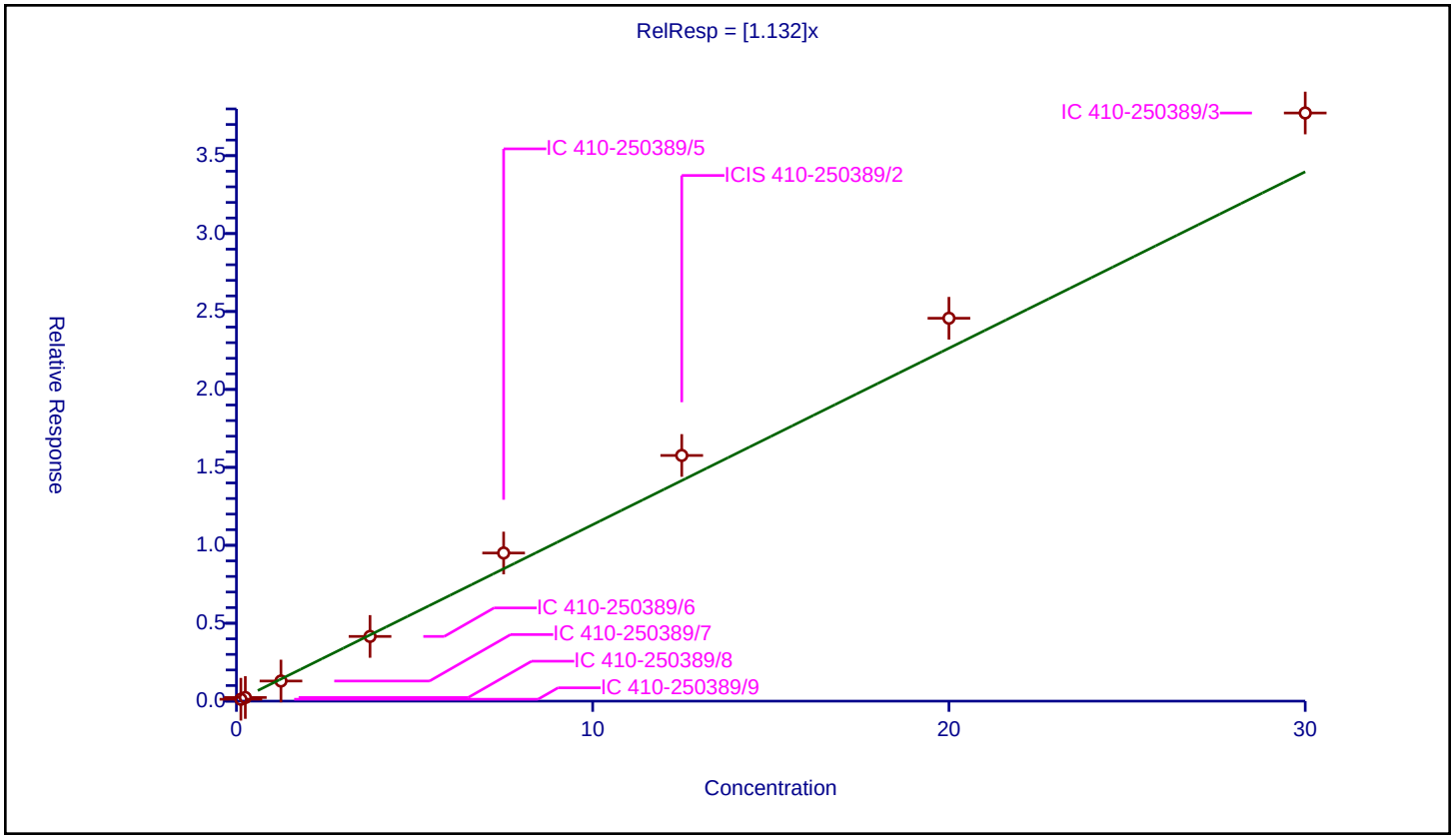
Curve Coefficients

Intercept:	0
Slope:	1.132

Error Coefficients

Standard Error:	3470000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250389/9	0.125	0.12167	5.0	867713.0	0.973363	Y
2	IC 410-250389/8	0.25	0.232536	5.0	1023216.0	0.930146	Y
3	IC 410-250389/7	1.25	1.290373	5.0	907877.0	1.032298	Y
4	IC 410-250389/6	3.75	4.151905	5.0	841280.0	1.107175	Y
5	IC 410-250389/5	7.5	9.504386	5.0	902234.0	1.267251	Y
6	ICIS 410-250389/2	12.5	15.763486	5.0	861476.0	1.261079	Y
7	IC 410-250389/4	20.0	24.56861	5.0	963177.0	1.22843	Y
8	IC 410-250389/3	30.0	37.736207	5.0	944223.0	1.257874	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250639/12 Calibration Date: 05/02/2022 12:36

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE0203.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8640	0.8213		12.0	12.5	-4.9	30.0
N-Nitrosodimethylamine	Ave	1.475	1.351		11.0	12.5	-8.4	30.0
Pyridine	Ave	2.187	1.912		22.0	25.0	-12.6	30.0
N,N-dimethylformamide	Ave	1.594	1.640		13.0	12.5	2.9	30.0
2-Picoline	Ave	2.336	2.209		12.0	12.5	-5.5	30.0
N-Nitrosomethylethylamine	Ave	1.202	0.9870		10.0	12.5	-17.9	30.0
Methyl methanesulfonate	Ave	1.255	1.285		13.0	12.5	2.4	30.0
N-Nitrosodiethylamine	Ave	0.9491	0.8664		11.0	12.5	-8.7	30.0
Ethyl methanesulfonate	Ave	0.9903	0.9704		12.0	12.5	-2.0	30.0
Phenol	Ave	2.666	2.522	0.8000	12.0	12.5	-5.4	30.0
Aniline	Ave	3.296	3.176		12.0	12.5	-3.6	30.0
Bis(2-chloroethyl)ether	Ave	2.192	2.107	0.7000	12.0	12.5	-3.9	30.0
2-Chlorophenol	Ave	1.438	1.416	0.8000	12.0	12.5	-1.5	30.0
1,3-Dichlorobenzene	Ave	1.586	1.502		12.0	12.5	-5.3	30.0
1,4-Dichlorobenzene	Ave	1.617	1.520		12.0	12.5	-6.0	30.0
Benzyl alcohol	Ave	1.244	1.154		12.0	12.5	-7.3	30.0
1,2-Dichlorobenzene	Ave	1.558	1.455		12.0	12.5	-6.6	30.0
2-Methylphenol	Ave	1.680	1.736	0.7000	13.0	12.5	3.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	3.419	3.480	0.0100	13.0	12.5	1.8	30.0
N-Nitrosopyrrolidine	Ave	1.152	1.079		12.0	12.5	-6.4	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.839	1.865	0.6000	13.0	12.5	1.4	30.0
Acetophenone	Ave	2.932	2.949	0.0100	13.0	12.5	0.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.938	1.949	0.5000	13.0	12.5	0.6	30.0
N-Nitrosomorpholine	Ave	1.852	1.843		12.0	12.5	-0.5	30.0
o-Toluidine	Ave	3.385	3.145		12.0	12.5	-7.1	30.0
Hexachloroethane	Ave	0.7210	0.6794	0.3000	12.0	12.5	-5.8	30.0
Nitrobenzene	Ave	0.6076	0.5826	0.2000	12.0	12.5	-4.1	30.0
N-Nitrosopiperidine	Ave	0.2266	0.2052		11.0	12.5	-9.4	30.0
Isophorone	Ave	1.126	1.123	0.4000	12.0	12.5	-0.2	30.0
2-Nitrophenol	Ave	0.1619	0.1589	0.1000	12.0	12.5	-1.8	30.0
2,4-Dimethylphenol	Ave	0.4575	0.4482	0.2000	12.0	12.5	-2.0	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1760	0.1693		12.0	12.5	-3.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.6778	0.6718	0.3000	12.0	12.5	-0.9	30.0
2,4-Dichlorophenol	Ave	0.2875	0.2848	0.2000	12.0	12.5	-0.9	30.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.2898		12.0	12.5	-7.6	30.0
Naphthalene	Ave	1.099	1.066	0.7000	12.0	12.5	-3.0	30.0
4-Chloroaniline	Ave	0.4816	0.4782	0.0100	12.0	12.5	-0.7	30.0
2,6-Dichlorophenol	Ave	0.2858	0.2781		12.0	12.5	-2.7	30.0
Hexachloropropene	Ave	0.1959	0.1848		12.0	12.5	-5.7	30.0
Hexachlorobutadiene	Ave	0.1773	0.1689	0.0100	12.0	12.5	-4.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250639/12 Calibration Date: 05/02/2022 12:36

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE0203.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Quinoline	Ave	0.8124	0.7667		12.0	12.5	-5.6	30.0
N-Nitrosodi-n-butylamine	Ave	0.4851	0.4050		10.0	12.5	-16.5	30.0
4-Chloro-3-methylphenol	Ave	0.4162	0.4108	0.2000	12.0	12.5	-1.3	30.0
Safrole, Total	Ave	0.2664	0.2681		13.0	12.5	0.6	30.0
2-Methylnaphthalene	Ave	0.7258	0.6941	0.4000	12.0	12.5	-4.4	30.0
1-Methylnaphthalene	Ave	0.7010	0.6577		12.0	12.5	-6.2	30.0
Hexachlorocyclopentadiene	Ave	0.3540	0.3170	0.0500	11.0	12.5	-10.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5791	0.5492	0.0100	12.0	12.5	-5.2	30.0
Isosafrole Peak 1	Ave	0.5210	0.4986		1.40	1.50	-4.3	30.0
2,4,6-Trichlorophenol	Ave	0.3635	0.3434	0.2000	12.0	12.5	-5.5	30.0
2,4,5-Trichlorophenol	Ave	0.4041	0.4153	0.2000	13.0	12.5	2.8	30.0
Isosafrole Peak 2	Ave	0.5838	0.5794		11.0	11.0	-0.8	30.0
1,1'-Biphenyl	Ave	1.544	1.521	0.0100	12.0	12.5	-1.5	30.0
2-Chloronaphthalene	Ave	1.187	1.223	0.8000	13.0	12.5	3.1	30.0
1-Chloronaphthalene	Ave	1.144	1.065		12.0	12.5	-6.9	30.0
Diphenyl ether	Ave	0.7959	0.7841		12.0	12.5	-1.5	30.0
2-Nitroaniline	Ave	0.3821	0.3924	0.0100	13.0	12.5	2.7	30.0
1,4-Naphthoquinone	Ave	0.4795	0.4822		13.0	12.5	0.6	30.0
1,4-Dinitrobenzene	Ave	0.1899	0.1850		12.0	12.5	-2.6	30.0
Dimethyl phthalate	Ave	1.480	1.428	0.0100	12.0	12.5	-3.5	30.0
1,3-Dinitrobenzene	Ave	0.2094	0.2151		13.0	12.5	2.7	30.0
2,6-Dinitrotoluene	Ave	0.2971	0.3179	0.2000	13.0	12.5	7.0	30.0
Acenaphthylene	Ave	1.837	1.924	0.9000	13.0	12.5	4.7	30.0
3-Nitroaniline	Ave	0.3671	0.3745	0.0100	13.0	12.5	2.0	30.0
Acenaphthene	Ave	1.284	1.279	0.9000	12.0	12.5	-0.4	30.0
2,4-Dinitrophenol	Ave	0.1550	0.1501	0.0100	24.0	25.0	-3.1	30.0
4-Nitrophenol	Ave	0.2679	0.2717	0.0100	25.0	25.0	1.4	30.0
Pentachlorobenzene	Ave	0.5301	0.5349		13.0	12.5	0.9	30.0
2,4-Dinitrotoluene	Ave	0.4276	0.4367	0.2000	13.0	12.5	2.1	30.0
Dibenzofuran	Ave	1.760	1.738	0.8000	12.0	12.5	-1.3	30.0
1-Naphthylamine	Ave	1.410	1.325		12.0	12.5	-6.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3591	0.3427	0.0100	12.0	12.5	-4.6	30.0
2-Naphthylamine	Ave	1.451	1.383		12.0	12.5	-4.7	30.0
Diethyl phthalate	Ave	1.473	1.487	0.0100	13.0	12.5	0.9	30.0
Thionazin	Ave	0.2953	0.2982		13.0	12.5	1.0	30.0
Fluorene	Ave	1.437	1.427	0.9000	12.0	12.5	-0.7	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6750	0.6612	0.4000	12.0	12.5	-2.0	30.0
5-Nitro-o-toluidine	Ave	0.4201	0.4075		12.0	12.5	-3.0	30.0
4-Nitroaniline	Ave	0.3887	0.3725	0.0100	12.0	12.5	-4.2	30.0
4,6-Dinitro-2-methylphenol	Ave	0.0986	0.1151	0.0100	29.0	25.0	16.7	30.0
N-Nitrosodiphenylamine	Ave	0.6261	0.6192	0.0100	11.0	10.6	-1.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250639/12 Calibration Date: 05/02/2022 12:36

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE0203.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine	Ave	1.162	1.281		14.0	12.5	10.3	30.0
Sulfotepp	Ave	0.1711	0.1826		13.0	12.5	6.7	30.0
1,3,5-Trinitrobenzene	Ave	0.0747	0.0672			12.5	-10.1	30.0
cis-Diallate	Ave	0.4768	0.5127		10.0	9.38	7.5	30.0
Phorate	Ave	0.7231	0.7974		14.0	12.5	10.3	30.0
Phenacetin	Ave	0.4674	0.4618		12.0	12.5	-1.2	30.0
4-Bromophenyl-phenylether	Ave	0.2008	0.2011	0.1000	13.0	12.5	0.1	30.0
trans-Diallate	Ave	0.4917	0.5402		3.40	3.13	9.8	30.0
Hexachlorobenzene	Ave	0.2491	0.2466	0.1000	12.0	12.5	-1.0	30.0
Dimethoate	Ave	0.4508	0.4624		13.0	12.5	2.6	30.0
Pentachlorophenol	Lin2		0.1385	0.0500	26.0	25.0	3.5	30.0
4-Aminobiphenyl	Ave	0.8888	0.8492		12.0	12.5	-4.5	30.0
Pentachloronitrobenzene	Ave	0.1021	0.0984		12.0	12.5	-3.7	30.0
Pronamide	Ave	0.3582	0.3524		12.0	12.5	-1.6	30.0
Dinoseb	Lin1		0.1515		12.0	12.5	-6.3	30.0
Disulfoton	Ave	0.7216	0.7661		13.0	12.5	6.2	30.0
Phenanthrene	Ave	1.118	1.096	0.7000	12.0	12.5	-2.0	30.0
Anthracene	Ave	1.099	1.129	0.7000	13.0	12.5	2.7	30.0
Carbazole	Ave	1.014	1.063	0.0100	13.0	12.5	4.9	30.0
Methyl parathion	Ave	0.3015	0.3266		14.0	12.5	8.3	30.0
Di-n-butyl phthalate	Ave	1.167	1.281	0.0100	14.0	12.5	9.8	30.0
Parathion	Ave	0.1823	0.1939		13.0	12.5	6.4	30.0
4-Nitroquinoline-1-oxide	Lin1		0.0657		10.0	12.5	-17.4	30.0
Octachlorostyrene	Ave	0.1025	0.1061		13.0	12.5	3.5	30.0
Isodrin	Ave	0.1323	0.1306		12.0	12.5	-1.3	30.0
Fluoranthene	Ave	1.156	1.207	0.6000	13.0	12.5	4.4	30.0
Benzidine	Ave	0.7042	0.6600		12.0	12.5	-6.3	30.0
Pyrene	Ave	1.283	1.259	0.6000	12.0	12.5	-1.9	30.0
p-Dimethylamino azobenzene	Ave	0.1975	0.2018		13.0	12.5	2.2	30.0
Chlorobenzilate	Ave	0.3615	0.3997		14.0	12.5	10.6	30.0
3,3'-Dimethylbenzidine	Ave	0.6486	0.6238		12.0	12.5	-3.8	30.0
Butylbenzylphthalate	Ave	0.5359	0.5997	0.0100	14.0	12.5	11.9	30.0
2-Acetylaminofluorene	Lin1		0.3768		11.0	12.5	-15.7	30.0
3,3'-Dichlorobenzidine	Ave	0.3991	0.4226	0.0100	13.0	12.5	5.9	30.0
Benzo[a]anthracene	Ave	1.011	1.102	0.8000	14.0	12.5	9.0	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2281	0.2220		12.0	12.5	-2.7	30.0
Chrysene	Ave	1.054	1.127	0.7000	13.0	12.5	6.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7027	0.7403	0.0100	13.0	12.5	5.3	30.0
6-Methylchrysene	Ave	0.6833	0.7355		13.0	12.5	7.6	30.0
Di-n-octyl phthalate	Lin1		1.348	0.0100	12.0	12.5	-6.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250639/12 Calibration Date: 05/02/2022 12:36

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE0203.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.215	1.317	0.7000	14.0	12.5	8.4	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5387	0.5735		13.0	12.5	6.5	30.0
Benzo[k]fluoranthene	Ave	1.321	1.391	0.7000	13.0	12.5	5.3	30.0
Benzo[a]pyrene	Ave	1.014	1.156	0.7000	14.0	12.5	14.0	30.0
3-Methylcholanthrene	Ave	0.5580	0.5781		13.0	12.5	3.6	30.0
Dibenz[a,h]acridine	Ave	0.9162	0.9388		13.0	12.5	2.5	30.0
Dibenz[a,j]acridine	Ave	1.015	1.048		13.0	12.5	3.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9370	1.041	0.5000	14.0	12.5	11.2	30.0
Dibenz(a,h)anthracene	Ave	1.083	1.176	0.4000	14.0	12.5	8.6	30.0
Benzo[g,h,i]perylene	Ave	1.132	1.226	0.5000	14.0	12.5	8.3	30.0
1,4-phenylenediamine	Ave	0.6519				12.5		30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0203.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 02-May-2022 12:36:11 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Operator ID: apb10206 Instrument ID: HP20296
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 13:30:49 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 13:30:42

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	1.551	1.556	-0.005	93	392196	12.5	11.9	
2 N-Nitrosodimethylamine	74	1.765	1.776	-0.011	95	644952	12.5	11.4	
3 Pyridine	79	1.808	1.808	0.000	89	1826042	25.0	21.9	
4 Dimethylformamide	73	2.091	2.097	-0.006	98	783130	12.5	12.9	
5 2-Picoline	93	2.385	2.385	0.000	93	1054826	12.5	11.8	
6 N-Nitrosomethylethylamine	88	2.466	2.471	-0.005	96	471307	12.5	10.3	
9 Methyl methanesulfonate	80	2.728	2.733	-0.005	85	613530	12.5	12.8	
11 N-Nitrosodiethylamine	102	3.102	3.108	-0.006	86	413716	12.5	11.4	
13 Ethyl methanesulfonate	109	3.396	3.402	-0.006	95	463385	12.5	12.2	
17 Phenol	94	3.803	3.808	-0.005	97	1204571	12.5	11.8	
18 Aniline	93	3.835	3.840	-0.005	95	1516767	12.5	12.0	
19 Bis(2-chloroethyl)ether	93	3.899	3.904	-0.005	85	1006253	12.5	12.0	
20 2-Chlorophenol	128	3.947	3.953	-0.006	86	676410	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.102	4.102	0.000	91	717263	12.5	11.8	
* 24 1,4-Dichlorobenzene-d4	152	4.161	4.161	0.000	95	191013	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.177	4.177	0.000	85	725979	12.5	11.8	
27 Benzyl alcohol	108	4.290	4.295	-0.005	87	550960	12.5	11.6	
29 1,2-Dichlorobenzene	146	4.322	4.322	0.000	90	694753	12.5	11.7	
31 2-Methylphenol	108	4.402	4.402	0.000	97	828815	12.5	12.9	
32 2,2'-oxybis[1-chloropropane]	45	4.434	4.434	0.000	94	1662015	12.5	12.7	
34 N-Nitrosopyrrolidine	100	4.525	4.530	-0.005	89	515156	12.5	11.7	
35 Acetophenone	105	4.552	4.552	0.000	82	1408312	12.5	12.6	
36 4-Methylphenol	108	4.552	4.557	-0.005	64	890456	12.5	12.7	
37 N-Nitrosodi-n-propylamine	70	4.552	4.557	-0.005	81	930764	12.5	12.6	
38 N-Nitrosomorpholine	56	4.568	4.573	-0.005	87	880178	12.5	12.4	
39 2-Toluidine	106	4.584	4.584	0.000	96	1501606	12.5	11.6	
40 Hexachloroethane	117	4.648	4.653	-0.005	95	324441	12.5	11.8	
42 Nitrobenzene	77	4.712	4.717	-0.005	88	1198318	12.5	12.0	
44 N-Nitrosopiperidine	114	4.862	4.862	0.000	85	422138	12.5	11.3	
46 Isophorone	82	4.947	4.947	0.000	98	2309843	12.5	12.5	
47 2-Nitrophenol	139	5.022	5.022	0.000	89	326857	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
48 2,4-Dimethylphenol	107	5.070	5.070	0.000	98	921852	12.5	12.2	
49 o,o',o''-Triethylphosphorothioat	198	5.140	5.145	-0.005	93	348194	12.5	12.0	
51 Bis(2-chloroethoxy)methane	93	5.167	5.167	0.000	92	1381738	12.5	12.4	
52 2,4-Dichlorophenol	162	5.252	5.258	-0.006	92	585841	12.5	12.4	
54 1,2,4-Trichlorobenzene	180	5.333	5.338	-0.005	91	595987	12.5	11.5	
* 55 Naphthalene-d8	136	5.386	5.391	-0.005	98	822683	5.00	5.00	
56 Naphthalene	128	5.407	5.407	0.000	97	2193034	12.5	12.1	
57 4-Chloroaniline	127	5.466	5.466	0.000	89	983431	12.5	12.4	
58 2,6-Dichlorophenol	162	5.472	5.472	0.000	91	572044	12.5	12.2	
59 Hexachloropropene	213	5.493	5.498	-0.005	92	380137	12.5	11.8	
60 Hexachlorobutadiene	225	5.536	5.536	0.000	96	347443	12.5	11.9	
62 Quinoline	129	5.728	5.728	0.000	91	1576835	12.5	11.8	
65 N-Nitrosodi-n-butylamine	84	5.798	5.798	0.000	94	833035	12.5	10.4	
33 p-Phenylene diamine	108		5.809				ND	ND	U
66 4-Chloro-3-methylphenol	107	5.937	5.937	0.000	92	844927	12.5	12.3	
67 Safrole, Total	162	6.001	6.001	0.000	82	551409	12.5	12.6	
69 2-Methylnaphthalene	142	6.076	6.076	0.000	90	1427526	12.5	12.0	
70 1-Methylnaphthalene	142	6.167	6.167	0.000	90	1352611	12.5	11.7	
71 Hexachlorocyclopentadiene	237	6.226	6.226	0.000	95	384872	12.5	11.2	
72 1,2,4,5-Tetrachlorobenzene	216	6.231	6.236	-0.005	97	666722	12.5	11.9	
73 Isosafrole Peak 1	162	6.279	6.279	0.000	76	72636	1.50	1.44	
74 2,4,6-Trichlorophenol	196	6.343	6.349	-0.006	95	416846	12.5	11.8	
75 2,4,5-Trichlorophenol	196	6.376	6.381	-0.005	89	504195	12.5	12.8	
77 Isosafrole Peak 2	162	6.493	6.493	0.000	83	618907	11.0	10.9	
79 1,1'-Biphenyl	154	6.520	6.525	-0.005	95	1845807	12.5	12.3	
80 2-Chloronaphthalene	162	6.536	6.541	-0.005	97	1485207	12.5	12.9	
81 1-Chloronaphthalene	162	6.557	6.557	0.000	94	1292881	12.5	11.6	
82 Phenyl ether	170	6.627	6.627	0.000	86	951839	12.5	12.3	
83 2-Nitroaniline	138	6.638	6.638	0.000	73	476401	12.5	12.8	
84 1,4-Naphthoquinone	158	6.707	6.713	-0.006	73	585326	12.5	12.6	
85 1,4-Dinitrobenzene	168	6.777	6.777	0.000	86	224538	12.5	12.2	
86 Dimethyl phthalate	163	6.819	6.825	-0.006	95	1733372	12.5	12.1	
87 1,3-Dinitrobenzene	168	6.841	6.846	-0.005	79	261121	12.5	12.8	
88 2,6-Dinitrotoluene	165	6.873	6.878	-0.005	79	385957	12.5	13.4	
90 Acenaphthylene	152	6.926	6.932	-0.006	99	2335219	12.5	13.1	
91 3-Nitroaniline	138	7.028	7.028	0.000	84	454634	12.5	12.8	
30 Indene	115	7.092	7.054	0.038	41	19775	NC	NC	
* 92 Acenaphthene-d10	164	7.066	7.066	0.000	93	485576	5.00	5.00	
93 Acenaphthene	153	7.092	7.098	-0.006	96	1552954	12.5	12.5	
94 2,4-Dinitrophenol	184	7.130	7.130	0.000	71	364501	25.0	24.2	
96 4-Nitrophenol	109	7.194	7.199	-0.005	85	659664	25.0	25.4	
98 Pentachlorobenzene	250	7.221	7.221	0.000	97	649317	12.5	12.6	
99 2,4-Dinitrotoluene	165	7.253	7.258	-0.005	81	530100	12.5	12.8	
100 Dibenzofuran	168	7.258	7.263	-0.005	96	2109609	12.5	12.3	
101 1-Naphthylamine	143	7.333	7.338	-0.005	95	1608841	12.5	11.7	
102 2,3,4,6-Tetrachlorophenol	232	7.376	7.381	-0.005	79	415994	12.5	11.9	
103 2-Naphthylamine	143	7.408	7.413	-0.005	94	1678720	12.5	11.9	
104 Diethyl phthalate	149	7.499	7.499	0.000	96	1804672	12.5	12.6	
106 Thionazin	107	7.568	7.574	-0.006	75	362045	12.5	12.6	
105 Fluorene	166	7.584	7.590	-0.006	93	1732434	12.5	12.4	
108 4-Chlorophenyl phenyl ether	204	7.595	7.600	-0.005	90	802650	12.5	12.2	
107 N-Nitro-o-toluidine	152	7.600	7.600	0.000	76	494640	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 4-Nitroaniline	138	7.606	7.606	0.000	78	452226	12.5	12.0	
110 4,6-Dinitro-2-methylphenol	198	7.638	7.638	0.000	65	536801	25.0	29.2	
111 N-Nitrosodiphenylamine	169	7.707	7.707	0.000	98	1227411	10.6	10.5	
112 1,2-Diphenylhydrazine	77	7.739	7.745	-0.006	98	2988097	12.5	13.8	
114 Sulfotepp	97	7.873	7.873	0.000	79	425875	12.5	13.3	
175 1,3,5-Trinitrobenzene	213	7.964	7.969	-0.005	80	156726	12.5	11.2	7a
115 cis-Diallate	86	7.985	7.991	-0.006	77	896697	9.38	10.1	
116 Phorate	75	7.991	7.996	-0.005	94	1859608	12.5	13.8	
117 Phenacetin	108	8.007	8.012	-0.005	90	1076893	12.5	12.3	
118 4-Bromophenyl phenyl ether	248	8.055	8.060	-0.005	78	468876	12.5	12.5	
119 trans-Diallate	86	8.071	8.071	0.000	96	314921	3.13	3.43	
120 Hexachlorobenzene	284	8.103	8.103	0.000	94	575012	12.5	12.4	
121 Dimethoate	87	8.146	8.151	-0.005	96	1078366	12.5	12.8	
123 Pentachlorophenol	266	8.290	8.296	-0.006	91	645929	25.0	25.9	
125 Pentachloronitrobenzene	237	8.301	8.306	-0.005	72	229378	12.5	12.0	
124 4-Aminobiphenyl	169	8.301	8.306	-0.005	92	1980342	12.5	11.9	
50 Benzoic acid	105	8.371	8.335	0.028	32	1158	NC	NC	
126 Pronamide	173	8.371	8.376	-0.005	91	821817	12.5	12.3	
* 127 Phenanthrene-d10	188	8.472	8.472	0.000	95	932820	5.00	5.00	
128 Dinoseb	211	8.478	8.483	-0.005	91	353209	12.5	11.7	
68 Disulfoton	88	8.494	8.499	-0.005	82	1786597	12.5	13.3	
129 Phenanthrene	178	8.494	8.499	-0.005	91	2554841	12.5	12.2	
130 Anthracene	178	8.542	8.547	-0.005	98	2633003	12.5	12.8	
131 Carbazole	167	8.702	8.702	0.000	96	2479905	12.5	13.1	
132 Methyl parathion	109	8.841	8.847	-0.006	89	761537	12.5	13.5	
133 Di-n-butyl phthalate	149	9.061	9.066	-0.005	100	2987797	12.5	13.7	
134 Ethyl Parathion	109	9.221	9.226	-0.005	80	452085	12.5	13.3	
135 4-Nitroquinoline-1-oxide	190	9.232	9.237	-0.005	75	153269	12.5	10.3	
136 Octachlorostyrene	308	9.446	9.451	-0.005	94	247417	12.5	12.9	
137 Isodrin	193	9.478	9.483	-0.005	84	304546	12.5	12.3	
138 Fluoranthene	202	9.622	9.628	-0.006	99	2814817	12.5	13.0	
S 63 Diallate	86				0		12.5	13.5	
139 Benzidine	184	9.767	9.772	-0.005	99	1537983	12.5	11.7	
* 140 Pyrene-d10 (IS)	212	9.820	9.825	-0.005	99	932097	5.00	5.00	
141 Pyrene	202	9.836	9.841	-0.005	95	2934679	12.5	12.3	
143 p-Dimethylamino azobenzene	225	10.141	10.146	-0.005	91	470208	12.5	12.8	
144 Chlorobenzilate	139	10.194	10.200	-0.006	88	931512	12.5	13.8	
145 3,3'-Dimethylbenzidine	212	10.473	10.483	-0.010	98	1453595	12.5	12.0	
146 Butyl benzyl phthalate	149	10.505	10.510	-0.005	92	1397390	12.5	14.0	
147 2-Acetylaminofluorene	181	10.729	10.735	-0.006	94	877937	12.5	10.5	
148 3,3'-Dichlorobenzidine	252	11.050	11.056	-0.006	76	984771	12.5	13.2	
149 Benzo[a]anthracene	228	11.056	11.066	-0.010	98	2567991	12.5	13.6	
150 4,4'-Methylene bis(2-chloroanil	231	11.061	11.066	-0.005	66	517217	12.5	12.2	
151 Chrysene	228	11.098	11.104	-0.006	97	2625222	12.5	13.4	
152 Bis(2-ethylhexyl) phthalate	149	11.152	11.163	-0.011	90	1724993	12.5	13.2	
153 6-Methylchrysene	242	11.633	11.639	-0.006	99	1713917	12.5	13.5	
154 Di-n-octyl phthalate	149	11.965	11.970	-0.005	98	2638871	12.5	11.7	
155 Benzo[b]fluoranthene	252	12.371	12.382	-0.011	98	2579288	12.5	13.5	
156 7,12-Dimethylbenz(a)anthracene	256	12.377	12.382	-0.005	87	1122864	12.5	13.3	
157 Benzo[k]fluoranthene	252	12.414	12.420	-0.006	99	2724028	12.5	13.2	
158 Benzo[a]pyrene	252	12.805	12.815	-0.010	80	2263309	12.5	14.3	
* 159 Perylene-d12	264	12.879	12.890	-0.011	96	783212	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
160 3-Methylcholanthrene	268	13.307	13.313	-0.006	92	1131896	12.5	12.9	
161 Dibenz[a,h]acridine	279	14.062	14.072	-0.010	92	1838166	12.5	12.8	
162 Dibenz[a,j]acridine	279	14.136	14.142	-0.006	95	2052462	12.5	12.9	
163 Indeno[1,2,3-cd]pyrene	276	14.372	14.382	-0.010	98	2039287	12.5	13.9	
164 Dibenz(a,h)anthracene	278	14.420	14.425	-0.005	95	2302465	12.5	13.6	
165 Benzo[g,h,i]perylene	276	14.762	14.773	-0.011	96	2401145	12.5	13.5	
S 166 Isosafrole	162				0		12.5	12.4	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00017 Amount Added: 1.00 Units: ml

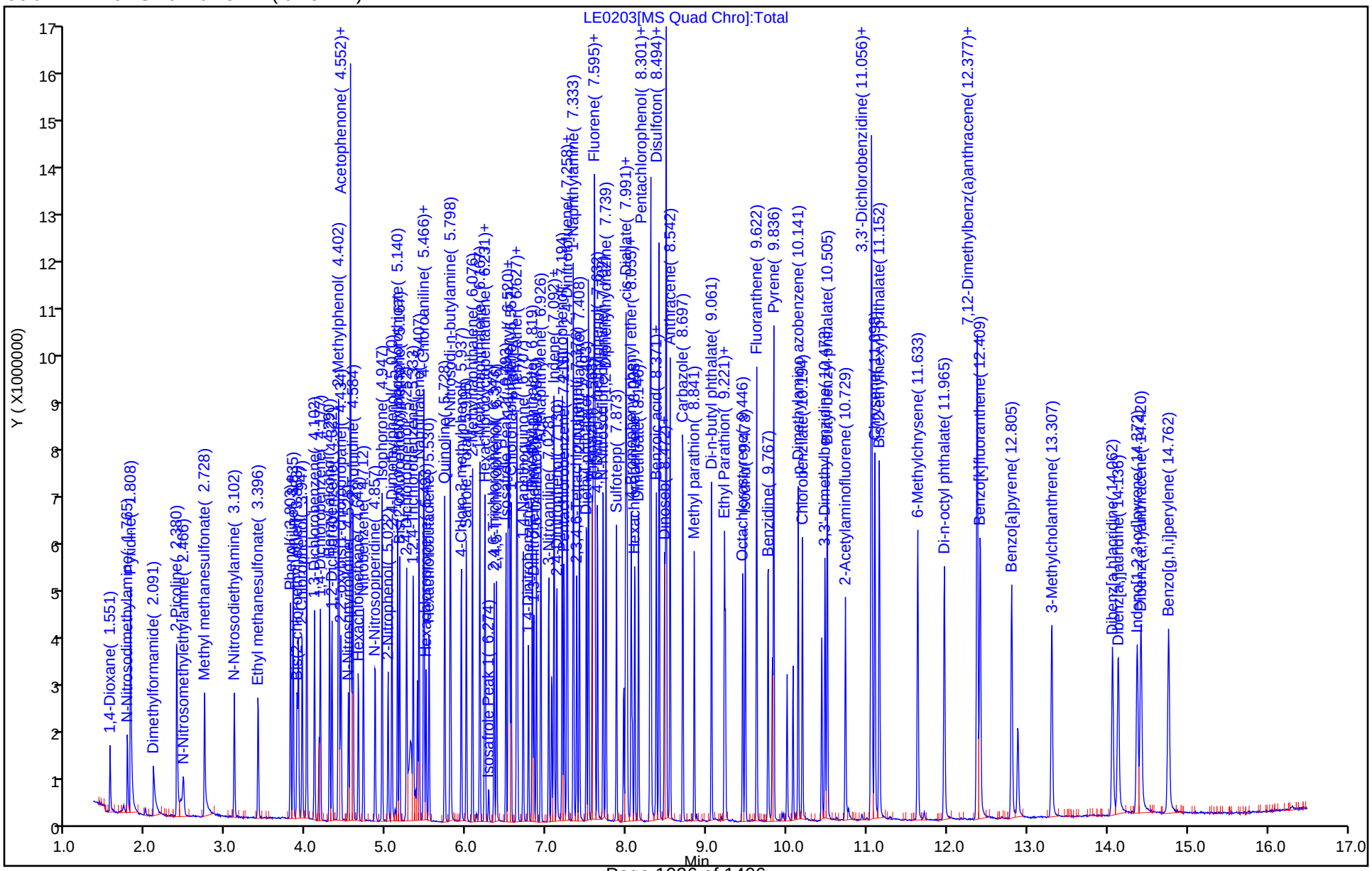
Report Date: 02-May-2022 13:31:26 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0203.D

Injection Date:	02-May-2022 12:36:11	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	ICV			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

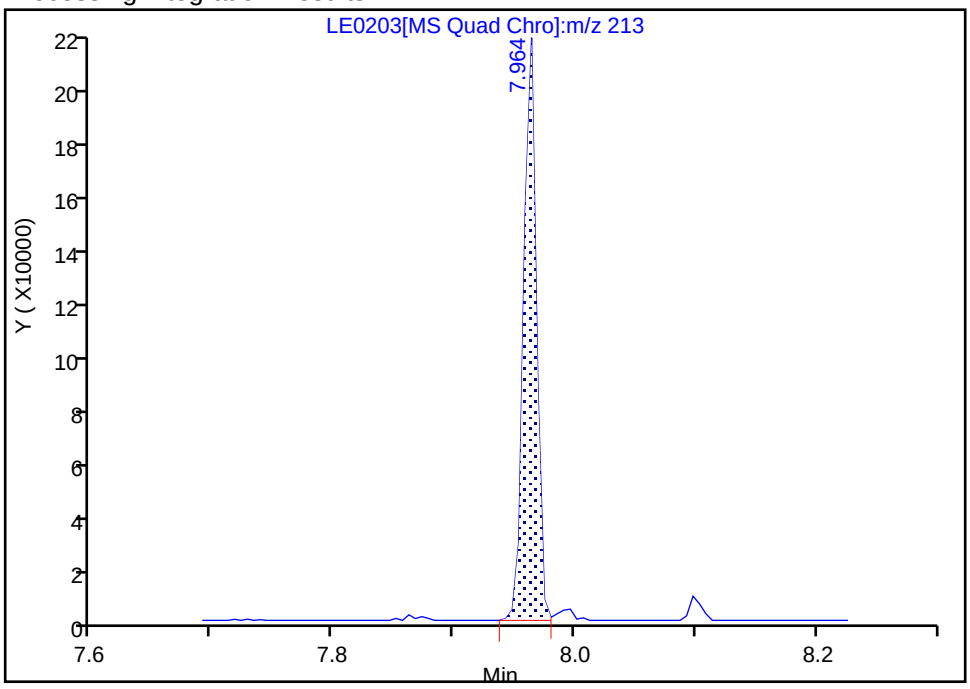
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0203.D				
Injection Date:	02-May-2022 12:36:11	Instrument ID:	HP20296		
Lims ID:	ICV				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

175 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

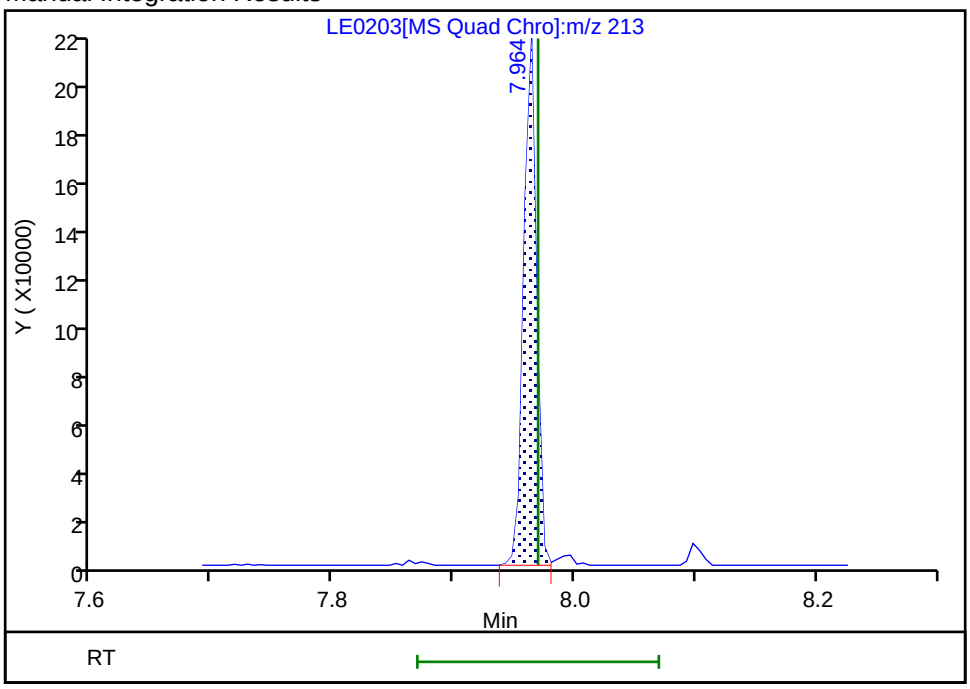
Processing Integration Results

RT: 7.96
Area: 156726
Amount: 11.242617
Amount Units: ug/ml



Manual Integration Results

RT: 7.96
Area: 156726
Amount: 11.242617
Amount Units: ug/ml



Reviewer: bauera, 02-May-2022 13:28:19

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

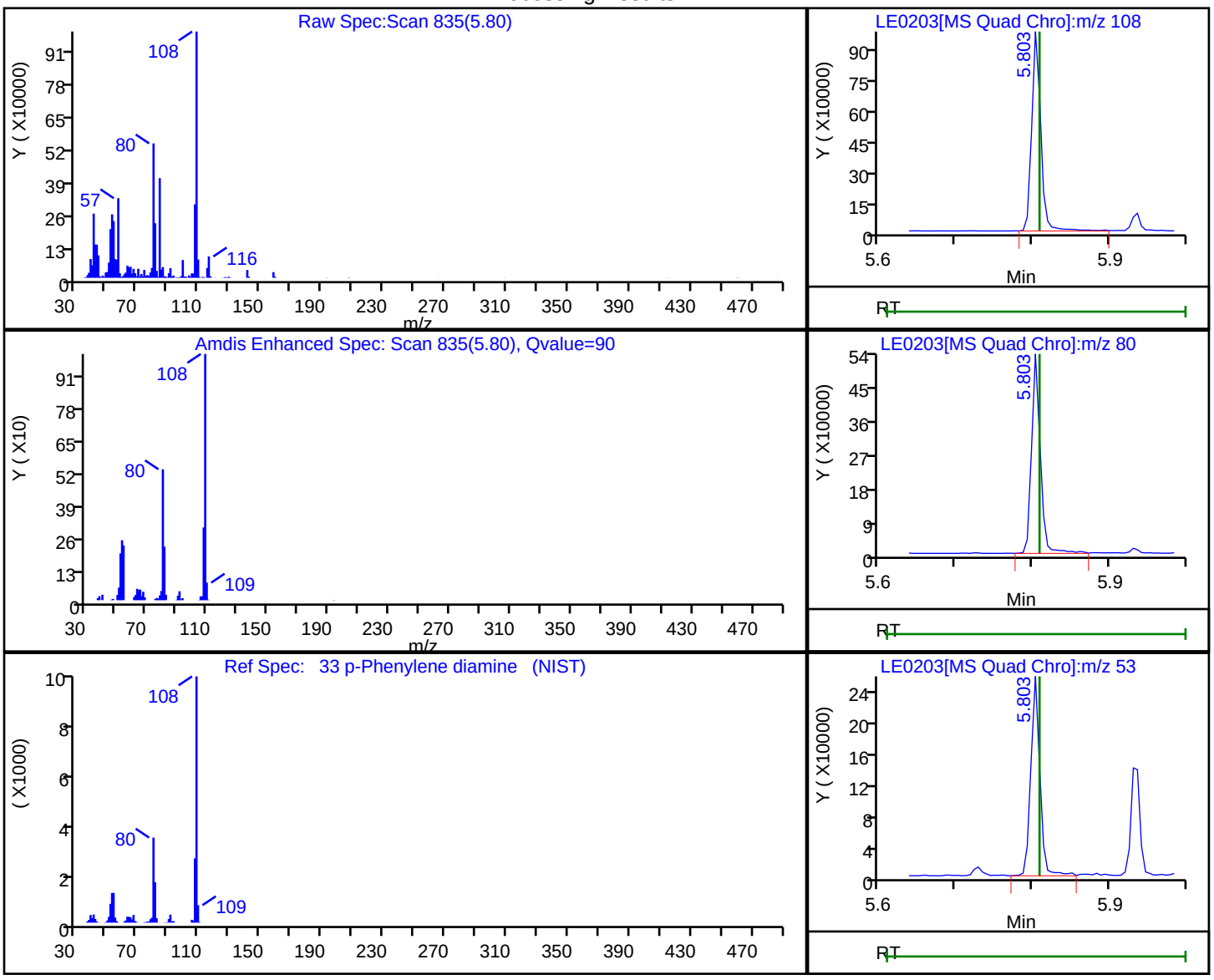
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0203.D				
Injection Date:	02-May-2022 12:36:11	Instrument ID:	HP20296		
Lims ID:	ICV				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

33 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.80	108.00	816993	7.616825
5.80	80.00	431953	
5.80	53.00	210935	
5.80	54.00	197789	
5.80	52.00	160867	

Reviewer: bauera, 02-May-2022 13:27:13

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.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257173/2 Calibration Date: 05/19/2022 16:11

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE1951a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8640	0.8063		12.0	12.5	-6.7	20.0
N-Nitrosodimethylamine	Ave	1.475	1.424		12.0	12.5	-3.4	20.0
Pyridine	Ave	2.187	2.142		24.0	25.0	-2.1	20.0
N,N-dimethylformamide	Ave	1.594	1.519		12.0	12.5	-4.7	20.0
2-Picoline	Ave	2.336	2.432		13.0	12.5	4.1	20.0
N-Nitrosomethylethylamine	Ave	1.202	1.048		11.0	12.5	-12.8	20.0
Methyl methanesulfonate	Ave	1.255	1.245		12.0	12.5	-0.8	20.0
N-Nitrosodiethylamine	Ave	0.9491	0.9647		13.0	12.5	1.6	20.0
Ethyl methanesulfonate	Ave	0.9903	0.9886		12.0	12.5	-0.2	20.0
Benzaldehyde	Ave	2.220	2.045	0.0100	12.0	12.5	-7.9	20.0
Phenol	Ave	2.666	2.650	0.8000	12.0	12.5	-0.6	20.0
Aniline	Ave	3.296	3.291		12.0	12.5	-0.2	20.0
Bis(2-chloroethyl)ether	Ave	2.192	2.136	0.7000	12.0	12.5	-2.5	20.0
2-Chlorophenol	Ave	1.438	1.483	0.8000	13.0	12.5	3.1	20.0
1,3-Dichlorobenzene	Ave	1.586	1.599		13.0	12.5	0.8	20.0
1,4-Dichlorobenzene	Ave	1.617	1.606		12.0	12.5	-0.6	20.0
Benzyl alcohol	Ave	1.244	1.144		11.0	12.5	-8.0	20.0
1,2-Dichlorobenzene	Ave	1.558	1.550		12.0	12.5	-0.5	20.0
2-Methylphenol	Ave	1.680	1.683	0.7000	13.0	12.5	0.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.419	2.854	0.0100	10.0	12.5	-16.5	20.0
N-Nitrosopyrrolidine	Ave	1.152	1.135		12.0	12.5	-1.5	20.0
Acetophenone	Ave	2.932	2.829	0.0100	12.0	12.5	-3.5	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.839	1.766	0.6000	12.0	12.5	-4.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.938	1.855	0.5000	12.0	12.5	-4.3	20.0
N-Nitrosomorpholine	Ave	1.852	1.660		11.0	12.5	-10.4	20.0
o-Toluidine	Ave	3.385	3.269		12.0	12.5	-3.4	20.0
Hexachloroethane	Ave	0.7210	0.7046	0.3000	12.0	12.5	-2.3	20.0
Nitrobenzene	Ave	0.6076	0.6258	0.2000	13.0	12.5	3.0	20.0
N-Nitrosopiperidine	Ave	0.2266	0.2286		13.0	12.5	0.9	20.0
Isophorone	Ave	1.126	1.155	0.4000	13.0	12.5	2.6	20.0
2-Nitrophenol	Ave	0.1619	0.1756	0.1000	14.0	12.5	8.4	20.0
2,4-Dimethylphenol	Ave	0.4575	0.4845	0.2000	13.0	12.5	5.9	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1760	0.1832		13.0	12.5	4.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.6778	0.6743	0.3000	12.0	12.5	-0.5	20.0
2,4-Dichlorophenol	Ave	0.2875	0.3021	0.2000	13.0	12.5	5.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.3292		13.0	12.5	5.0	20.0
Naphthalene	Ave	1.099	1.096	0.7000	12.0	12.5	-0.3	20.0
a-Terpineol	Ave	0.5603	0.5562		12.0	12.5	-0.7	20.0
4-Chloroaniline	Ave	0.4816	0.4812	0.0100	12.0	12.5	-0.0	20.0
2,6-Dichlorophenol	Ave	0.2858	0.3065		13.0	12.5	7.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257173/2 Calibration Date: 05/19/2022 16:11

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE1951a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.1959	0.2270		14.0	12.5	15.8	20.0
Hexachlorobutadiene	Ave	0.1773	0.1982	0.0100	14.0	12.5	11.7	20.0
Quinoline	Ave	0.8124	0.7631		12.0	12.5	-6.1	20.0
Caprolactam	Ave	0.1431	0.1276	0.0100	11.0	12.5	-10.8	20.0
N-Nitrosodi-n-butylamine	Ave	0.4851	0.5521		14.0	12.5	13.8	20.0
1,4-phenylenediamine	Ave	0.6519	0.6572			12.5	0.8	20.0
4-Chloro-3-methylphenol	Ave	0.4162	0.4175	0.2000	13.0	12.5	0.3	20.0
Safrole, Total	Ave	0.2664	0.2704		13.0	12.5	1.5	20.0
2-Methylnaphthalene	Ave	0.7258	0.6903	0.4000	12.0	12.5	-4.9	20.0
1-Methylnaphthalene	Ave	0.7010	0.6653		12.0	12.5	-5.1	20.0
Hexachlorocyclopentadiene	Ave	0.3540	0.4350	0.0500	15.0	12.5	22.9*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5791	0.6360	0.0100	14.0	12.5	9.8	20.0
Isosafrole Peak 1	Ave	0.5210	0.5591		2.10	2.00	7.3	20.0
2,4,6-Trichlorophenol	Ave	0.3635	0.3986	0.2000	14.0	12.5	9.7	20.0
2,4,5-Trichlorophenol	Ave	0.4041	0.4494	0.2000	14.0	12.5	11.2	20.0
Isosafrole Peak 2	Ave	0.5838	0.6111		11.0	10.5	4.7	20.0
1,1'-Biphenyl	Ave	1.544	1.561	0.0100	13.0	12.5	1.1	20.0
2-Chloronaphthalene	Ave	1.187	1.141	0.8000	12.0	12.5	-3.9	20.0
1-Chloronaphthalene	Ave	1.144	1.229		13.0	12.5	7.5	20.0
Diphenyl ether	Ave	0.7959	0.8260		13.0	12.5	3.8	20.0
2-Nitroaniline	Ave	0.3821	0.3916	0.0100	13.0	12.5	2.5	20.0
1,4-Naphthoquinone	Ave	0.4795	0.4753		12.0	12.5	-0.9	20.0
1,4-Dinitrobenzene	Ave	0.1899	0.2018		13.0	12.5	6.2	20.0
Dimethyl phthalate	Ave	1.480	1.439	0.0100	12.0	12.5	-2.8	20.0
1,3-Dinitrobenzene	Ave	0.2094	0.2209		13.0	12.5	5.5	20.0
2,6-Dinitrotoluene	Ave	0.2971	0.3154	0.2000	13.0	12.5	6.2	20.0
Acenaphthylene	Ave	1.837	1.857	0.9000	13.0	12.5	1.1	20.0
3-Nitroaniline	Ave	0.3671	0.3603	0.0100	12.0	12.5	-1.9	20.0
Acenaphthene	Ave	1.284	1.267	0.9000	12.0	12.5	-1.3	20.0
2,4-Dinitrophenol	Ave	0.1550	0.1658	0.0100	27.0	25.0	7.0	20.0
4-Nitrophenol	Ave	0.2679	0.2633	0.0100	25.0	25.0	-1.7	20.0
Pentachlorobenzene	Ave	0.5301	0.5726		14.0	12.5	8.0	20.0
2,4-Dinitrotoluene	Ave	0.4276	0.4166	0.2000	12.0	12.5	-2.6	20.0
Dibenzofuran	Ave	1.760	1.785	0.8000	13.0	12.5	1.4	20.0
1-Naphthylamine	Ave	1.410	1.396		12.0	12.5	-1.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3591	0.3782	0.0100	13.0	12.5	5.3	20.0
2-Naphthylamine	Ave	1.451	1.402		12.0	12.5	-3.3	20.0
Diethyl phthalate	Ave	1.473	1.411	0.0100	12.0	12.5	-4.3	20.0
Thionazin	Ave	0.2953	0.2923		12.0	12.5	-1.0	20.0
Fluorene	Ave	1.437	1.367	0.9000	12.0	12.5	-4.8	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6750	0.6737	0.4000	12.0	12.5	-0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257173/2 Calibration Date: 05/19/2022 16:11

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE1951a.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	0.4201	0.4209		13.0	12.5	0.2	20.0
4-Nitroaniline	Ave	0.3887	0.3417	0.0100	11.0	12.5	-12.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0986	0.1162	0.0100	29.0	25.0	17.8	20.0
N-Nitrosodiphenylamine	Ave	0.6261	0.6376	0.0100	11.0	10.6	1.8	20.0
1,2-Diphenylhydrazine	Ave	1.162	1.222		13.0	12.5	5.2	20.0
Sulfotepp	Ave	0.1711	0.1887		14.0	12.5	10.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0747	0.0815			12.5	9.1	20.0
cis-Diallate	Ave	0.4768	0.4821		9.40	9.25	1.1	20.0
Phorate	Ave	0.7231	0.7817		14.0	12.5	8.1	20.0
Phenacetin	Ave	0.4674	0.5064		14.0	12.5	8.3	20.0
4-Bromophenyl-phenylether	Ave	0.2008	0.2332	0.1000	15.0	12.5	16.1	20.0
trans-Diallate	Ave	0.4917	0.4899		3.20	3.25	-0.4	20.0
Hexachlorobenzene	Ave	0.2491	0.2663	0.1000	13.0	12.5	6.9	20.0
Dimethoate	Ave	0.4508	0.4819		13.0	12.5	6.9	20.0
Atrazine	Ave	0.2281	0.2300	0.0100	13.0	12.5	0.8	20.0
Pentachlorophenol	Lin2		0.1601	0.0500	30.0	25.0	19.5	20.0
4-Aminobiphenyl	Ave	0.8888	0.9375		13.0	12.5	5.5	20.0
Pentachloronitrobenzene	Ave	0.1021	0.1206		15.0	12.5	18.1	20.0
Pronamide	Ave	0.3582	0.3786		13.0	12.5	5.7	20.0
Dinoseb	Lin1		0.1680		13.0	12.5	3.2	20.0
Disulfoton	Ave	0.7216	0.7765		13.0	12.5	7.6	20.0
Phenanthrene	Ave	1.118	1.111	0.7000	12.0	12.5	-0.6	20.0
Anthracene	Ave	1.099	1.141	0.7000	13.0	12.5	3.8	20.0
Carbazole	Ave	1.014	1.027	0.0100	13.0	12.5	1.3	20.0
Methyl parathion	Ave	0.3015	0.3197		13.0	12.5	6.0	20.0
Di-n-butyl phthalate	Ave	1.167	1.260	0.0100	13.0	12.5	8.0	20.0
Parathion	Ave	0.1823	0.1956		13.0	12.5	7.3	20.0
4-Nitroquinoline-1-oxide	Lin1		0.0758		12.0	12.5	-7.5	20.0
Octachlorostyrene	Ave	0.1025	0.1049		13.0	12.5	2.3	20.0
Isodrin	Ave	0.1323	0.1316		12.0	12.5	-0.5	20.0
Fluoranthene	Ave	1.156	1.212	0.6000	13.0	12.5	4.9	20.0
Benzidine	Ave	0.7042	0.7749		41.0	37.5	10.0	20.0
Pyrene	Ave	1.283	1.240	0.6000	12.0	12.5	-3.4	20.0
p-Dimethylamino azobenzene	Ave	0.1975	0.2174		14.0	12.5	10.1	20.0
Chlorobenzilate	Ave	0.3615	0.3891		13.0	12.5	7.6	20.0
3,3'-Dimethylbenzidine	Ave	0.6486	0.7430		14.0	12.5	14.6	20.0
Butylbenzylphthalate	Ave	0.5359	0.5415	0.0100	13.0	12.5	1.1	20.0
2-Acetylaminofluorene	Lin1		0.4234		12.0	12.5	-6.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3991	0.4175	0.0100	13.0	12.5	4.6	20.0
Benzo[a]anthracene	Ave	1.011	1.093	0.8000	14.0	12.5	8.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257173/2 Calibration Date: 05/19/2022 16:11

Instrument ID: HP20296 Calib Start Date: 05/01/2022 17:10

GC Column: DB-5MS 20m 0.18 ID: 0.18(mm) Calib End Date: 05/01/2022 20:46

Lab File ID: LE1951a.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	0.2281	0.2446		13.0	12.5	7.2	20.0
Chrysene	Ave	1.054	1.076	0.7000	13.0	12.5	2.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7027	0.7363	0.0100	13.0	12.5	4.8	20.0
6-Methylchrysene	Ave	0.6833	0.7371		13.0	12.5	7.9	20.0
Di-n-octyl phthalate	Lin1		1.407	0.0100	12.0	12.5	-2.6	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5387	0.5906		14.0	12.5	9.6	20.0
Benzo[b]fluoranthene	Ave	1.215	1.341	0.7000	14.0	12.5	10.3	20.0
Benzo[k]fluoranthene	Ave	1.321	1.405	0.7000	13.0	12.5	6.3	20.0
Benzo[a]pyrene	Ave	1.014	1.108	0.7000	14.0	12.5	9.3	20.0
3-Methylcholanthrene	Ave	0.5580	0.6405		14.0	12.5	14.8	20.0
Dibenz[a,h]acridine	Ave	0.9162	0.9864		13.0	12.5	7.7	20.0
Dibenz[a,j]acridine	Ave	1.015	1.061		13.0	12.5	4.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9370	1.034	0.5000	14.0	12.5	10.4	20.0
Dibenz(a,h)anthracene	Ave	1.083	1.209	0.4000	14.0	12.5	11.6	20.0
Benzo[g,h,i]perylene	Ave	1.132	1.214	0.5000	13.0	12.5	7.2	20.0
2-Fluorophenol (Surr)	Ave	1.565	1.595		25.0	25.0	1.9	20.0
Phenol-d5 (Surr)	Ave	2.451	2.433		25.0	25.0	-0.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5668	0.5971		26.0	25.0	5.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.336	1.416		26.0	25.0	5.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2305	0.2569		28.0	25.0	11.4	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8262	0.8905		27.0	25.0	7.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1951a.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-May-2022 16:11:54 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: mem41592 Instrument ID: HP20296
Sublist: chrom-MSSemi_HP20296*sub28

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 19-May-2022 22:49:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: mcgowanm Date: 19-May-2022 16:46:38

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	1.514	1.514	0.000	94	402978	12.5	11.7	
2 N-Nitrosodimethylamine	74	1.727	1.727	0.000	88	711839	12.5	12.1	
3 Pyridine	79	1.765	1.765	0.000	96	2141341	25.0	24.5	M
4 Dimethylformamide	73	2.048	2.048	0.000	94	759363	12.5	11.9	
5 2-Picoline	93	2.337	2.337	0.000	92	1215275	12.5	13.0	
6 N-Nitrosomethylethylamine	88	2.423	2.423	0.000	92	523728	12.5	10.9	
9 Methyl methanesulfonate	80	2.685	2.685	0.000	84	622151	12.5	12.4	
$ 10 2-Fluorophenol	112	2.835	2.835	0.000	95	1594306	25.0	25.5	
11 N-Nitrosodiethylamine	102	3.054	3.054	0.000	93	482146	12.5	12.7	
13 Ethyl methanesulfonate	109	3.348	3.348	0.000	95	494077	12.5	12.5	
15 Benzaldehyde	77	3.680	3.680	0.000	91	1022097	12.5	11.5	
$ 16 Phenol-d5	99	3.744	3.744	0.000	99	2432439	25.0	24.8	
17 Phenol	94	3.755	3.755	0.000	97	1324662	12.5	12.4	
18 Aniline	93	3.787	3.787	0.000	94	1644628	12.5	12.5	
19 Bis(2-chloroethyl)ether	93	3.851	3.851	0.000	88	1067802	12.5	12.2	
20 2-Chlorophenol	128	3.899	3.899	0.000	88	741018	12.5	12.9	
22 1,3-Dichlorobenzene	146	4.054	4.054	0.000	93	799048	12.5	12.6	
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	96	199919	5.00	5.00	
25 1,4-Dichlorobenzene	146	4.124	4.124	0.000	88	802739	12.5	12.4	
27 Benzyl alcohol	108	4.241	4.241	0.000	88	571865	12.5	11.5	
29 1,2-Dichlorobenzene	146	4.268	4.268	0.000	91	774607	12.5	12.4	
31 2-Methylphenol	108	4.354	4.354	0.000	98	840973	12.5	12.5	
32 2,2'-oxybis[1-chloropropane]	45	4.380	4.380	0.000	94	1426432	12.5	10.4	
34 N-Nitrosopyrrolidine	100	4.482	4.482	0.000	98	567288	12.5	12.3	
35 Acetophenone	105	4.503	4.503	0.000	85	1413950	12.5	12.1	
37 N-Nitrosodi-n-propylamine	70	4.509	4.509	0.000	80	926959	12.5	12.0	
36 4-Methylphenol	108	4.509	4.509	0.000	90	882813	12.5	12.0	
38 N-Nitrosomorpholine	56	4.525	4.525	0.000	90	829549	12.5	11.2	
39 2-Toluidine	106	4.536	4.536	0.000	94	1633972	12.5	12.1	
40 Hexachloroethane	117	4.600	4.600	0.000	96	352133	12.5	12.2	
$ 41 Nitrobenzene-d5	82	4.648	4.648	0.000	88	2389204	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Nitrobenzene	77	4.664	4.664	0.000	86	1252165	12.5	12.9	
44 N-Nitrosopiperidine	114	4.814	4.814	0.000	88	457300	12.5	12.6	
46 Isophorone	82	4.899	4.899	0.000	97	2311533	12.5	12.8	
47 2-Nitrophenol	139	4.974	4.974	0.000	86	351315	12.5	13.6	
48 2,4-Dimethylphenol	107	5.022	5.022	0.000	99	969384	12.5	13.2	
49 o,o',o''-Triethylphosphorothioat	198	5.097	5.097	0.000	94	366579	12.5	13.0	
51 Bis(2-chloroethoxy)methane	93	5.119	5.119	0.000	94	1349141	12.5	12.4	
52 2,4-Dichlorophenol	162	5.204	5.204	0.000	92	604462	12.5	13.1	
54 1,2,4-Trichlorobenzene	180	5.290	5.290	0.000	93	658750	12.5	13.1	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	99	800309	5.00	5.00	
56 Naphthalene	128	5.359	5.359	0.000	98	2192045	12.5	12.5	
26 Alpha-Terpineol	59	5.381	5.381	0.000	90	1112754	12.5	12.4	
57 4-Chloroaniline	127	5.418	5.418	0.000	91	962684	12.5	12.5	
58 2,6-Dichlorophenol	162	5.423	5.423	0.000	89	613224	12.5	13.4	
59 Hexachloropropene	213	5.450	5.450	0.000	90	454086	12.5	14.5	
60 Hexachlorobutadiene	225	5.488	5.488	0.000	96	396458	12.5	14.0	
62 Quinoline	129	5.680	5.680	0.000	92	1526767	12.5	11.7	
64 Caprolactam	113	5.739	5.739	0.000	76	255390	12.5	11.2	
65 N-Nitrosodi-n-butylamine	84	5.755	5.755	0.000	92	1104576	12.5	14.2	
33 p-Phenylene diamine	108	5.760	5.760	0.000	93	1314953	12.5	12.6	
66 4-Chloro-3-methylphenol	107	5.894	5.894	0.000	92	835240	12.5	12.5	
67 Safrole, Total	162	5.953	5.953	0.000	79	540992	12.5	12.7	
69 2-Methylnaphthalene	142	6.028	6.028	0.000	90	1381149	12.5	11.9	
70 1-Methylnaphthalene	142	6.119	6.119	0.000	92	1331112	12.5	11.9	
71 Hexachlorocyclopentadiene	237	6.183	6.183	0.000	97	491468	12.5	15.4	
72 1,2,4,5-Tetrachlorobenzene	216	6.188	6.188	0.000	98	718582	12.5	13.7	
73 Isosafrole Peak 1	162	6.231	6.231	0.000	81	101063	2.00	2.15	
74 2,4,6-Trichlorophenol	196	6.301	6.301	0.000	94	450354	12.5	13.7	
75 2,4,5-Trichlorophenol	196	6.333	6.333	0.000	92	507742	12.5	13.9	
$ 76 2-Fluorobiphenyl (Surr)	172	6.386	6.386	0.000	99	3199059	25.0	26.5	
77 Isosafrole Peak 2	162	6.450	6.450	0.000	88	579905	10.5	11.0	
79 1,1'-Biphenyl	154	6.477	6.477	0.000	95	1763024	12.5	12.6	
80 2-Chloronaphthalene	162	6.493	6.493	0.000	81	1289064	12.5	12.0	
81 1-Chloronaphthalene	162	6.509	6.509	0.000	96	1388645	12.5	13.4	
82 Phenyl ether	170	6.584	6.584	0.000	89	933213	12.5	13.0	
83 2-Nitroaniline	138	6.595	6.595	0.000	77	442419	12.5	12.8	
84 1,4-Naphthoquinone	158	6.664	6.664	0.000	76	536919	12.5	12.4	
85 1,4-Dinitrobenzene	168	6.734	6.734	0.000	85	227956	12.5	13.3	
86 Dimethyl phthalate	163	6.782	6.782	0.000	97	1625297	12.5	12.1	
87 1,3-Dinitrobenzene	168	6.798	6.798	0.000	81	249597	12.5	13.2	
88 2,6-Dinitrotoluene	165	6.830	6.830	0.000	80	356355	12.5	13.3	
90 Acenaphthylene	152	6.884	6.884	0.000	99	2098200	12.5	12.6	
91 3-Nitroaniline	138	6.985	6.985	0.000	86	407088	12.5	12.3	
* 92 Acenaphthene-d10	164	7.017	7.017	0.000	95	451904	5.00	5.00	
93 Acenaphthene	153	7.049	7.049	0.000	97	1431757	12.5	12.3	
94 2,4-Dinitrophenol	184	7.087	7.087	0.000	74	374695	25.0	26.8	
96 4-Nitrophenol	109	7.156	7.156	0.000	85	594857	25.0	24.6	
98 Pentachlorobenzene	250	7.172	7.172	0.000	97	646870	12.5	13.5	
99 2,4-Dinitrotoluene	165	7.210	7.210	0.000	81	470675	12.5	12.2	
100 Dibenzofuran	168	7.215	7.215	0.000	97	2016395	12.5	12.7	
101 1-Naphthylamine	143	7.290	7.290	0.000	96	1577371	12.5	12.4	
102 2,3,4,6-Tetrachlorophenol	232	7.333	7.333	0.000	78	427246	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
103 2-Naphthylamine	143	7.365	7.365	0.000	94	1584129	12.5	12.1	
104 Diethyl phthalate	149	7.456	7.456	0.000	96	1593666	12.5	12.0	
106 Thionazin	107	7.531	7.531	0.000	76	330183	12.5	12.4	
105 Fluorene	166	7.541	7.541	0.000	91	1544218	12.5	11.9	
108 4-Chlorophenyl phenyl ether	204	7.552	7.552	0.000	91	761168	12.5	12.5	
107 N-Nitro-o-toluidine	152	7.557	7.557	0.000	80	475461	12.5	12.5	
109 4-Nitroaniline	138	7.563	7.563	0.000	78	386065	12.5	11.0	
110 4,6-Dinitro-2-methylphenol	198	7.595	7.595	0.000	69	482572	25.0	29.5	
111 N-Nitrosodiphenylamine	169	7.664	7.664	0.000	98	1125864	10.6	10.8	
112 1,2-Diphenylhydrazine	77	7.697	7.697	0.000	99	2539186	12.5	13.2	
$ 113 2,4,6-Tribromophenol	330	7.766	7.766	0.000	94	580432	25.0	27.9	
114 Sulfotepp	97	7.830	7.830	0.000	81	391984	12.5	13.8	
175 1,3,5-Trinitrobenzene	213	7.927	7.927	0.000	82	169290	12.5	13.6	
115 cis-Diallate	86	7.943	7.943	0.000	90	741071	9.25	9.35	
116 Phorate	75	7.948	7.948	0.000	95	1623806	12.5	13.5	
117 Phenacetin	108	7.964	7.964	0.000	88	1052005	12.5	13.5	
118 4-Bromophenyl phenyl ether	248	8.012	8.012	0.000	74	484368	12.5	14.5	
119 trans-Diallate	86	8.028	8.028	0.000	95	264587	3.25	3.24	
120 Hexachlorobenzene	284	8.055	8.055	0.000	95	553240	12.5	13.4	
121 Dimethoate	87	8.108	8.108	0.000	95	1001032	12.5	13.4	
122 Atrazine	200	8.183	8.183	0.000	84	477812	12.5	12.6	
123 Pentachlorophenol	266	8.247	8.247	0.000	91	664958	25.0	29.9	
124 4-Aminobiphenyl	169	8.258	8.258	0.000	92	1947493	12.5	13.2	
125 Pentachloronitrobenzene	237	8.258	8.258	0.000	48	250585	12.5	14.8	
126 Pronamide	173	8.328	8.328	0.000	91	786384	12.5	13.2	
* 127 Phenanthrene-d10	188	8.424	8.424	0.000	96	830930	5.00	5.00	
128 Dinoseb	211	8.435	8.435	0.000	93	348891	12.5	12.9	
129 Phenanthrene	178	8.451	8.451	0.000	89	2308064	12.5	12.4	
68 Disulfoton	88	8.451	8.451	0.000	83	1613052	12.5	13.5	
130 Anthracene	178	8.499	8.499	0.000	98	2370238	12.5	13.0	
131 Carbazole	167	8.659	8.659	0.000	96	2132659	12.5	12.7	
132 Methyl parathion	109	8.804	8.804	0.000	89	664087	12.5	13.3	
133 Di-n-butyl phthalate	149	9.018	9.018	0.000	99	2618079	12.5	13.5	
134 Ethyl Parathion	109	9.178	9.178	0.000	81	406304	12.5	13.4	
135 4-Nitroquinoline-1-oxide	190	9.189	9.189	0.000	77	157563	12.5	11.6	
136 Octachlorostyrene	308	9.408	9.408	0.000	95	217944	12.5	12.8	
137 Isodrin	193	9.435	9.435	0.000	84	273336	12.5	12.4	
138 Fluoranthene	202	9.579	9.579	0.000	99	2518556	12.5	13.1	
S 63 Diallate	86				0		12.5	12.6	
139 Benzidine	184	9.724	9.724	0.000	99	4899344	37.5	41.3	
* 140 Pyrene-d10 (IS)	212	9.772	9.772	0.000	99	843025	5.00	5.00	
141 Pyrene	202	9.793	9.793	0.000	96	2613900	12.5	12.1	
$ 142 p-Terphenyl-d14	244	9.964	9.964	0.000	99	3753634	25.0	26.9	
143 p-Dimethylamino azobenzene	225	10.098	10.098	0.000	92	458122	12.5	13.8	
144 Chlorobenzilate	139	10.152	10.152	0.000	87	820000	12.5	13.5	
145 3,3'-Dimethylbenzidine	212	10.430	10.430	0.000	99	1565859	12.5	14.3	
146 Butyl benzyl phthalate	149	10.462	10.462	0.000	92	1141280	12.5	12.6	
147 2-Acetylaminofluorene	181	10.686	10.686	0.000	94	892443	12.5	11.7	
148 3,3'-Dichlorobenzidine	252	11.002	11.002	0.000	76	879817	12.5	13.1	
149 Benzo[a]anthracene	228	11.007	11.007	0.000	99	2303955	12.5	13.5	
150 4,4'-Methylene bis(2-chloroanil	231	11.013	11.013	0.000	95	515444	12.5	13.4	
151 Chrysene	228	11.045	11.045	0.000	97	2268758	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
152 Bis(2-ethylhexyl) phthalate	149	11.109	11.109	0.000	94	1551877	12.5	13.1	
153 6-Methylchrysene	242	11.580	11.580	0.000	99	1553513	12.5	13.5	
154 Di-n-octyl phthalate	149	11.906	11.906	0.000	99	2422760	12.5	12.2	
155 Benzo[b]fluoranthene	252	12.312	12.312	0.000	97	2309170	12.5	13.8	
156 7,12-Dimethylbenz(a)anthracene	256	12.312	12.312	0.000	90	1017008	12.5	13.7	
157 Benzo[k]fluoranthene	252	12.350	12.350	0.000	100	2419287	12.5	13.3	
158 Benzo[a]pyrene	252	12.735	12.735	0.000	80	1908525	12.5	13.7	
* 159 Perylene-d12	264	12.815	12.815	0.000	97	688756	5.00	5.00	
160 3-Methylcholanthrene	268	13.232	13.232	0.000	92	1102794	12.5	14.3	
161 Dibenz[a,h]acridine	279	13.987	13.987	0.000	91	1698425	12.5	13.5	
162 Dibenz[a,j]acridine	279	14.056	14.056	0.000	96	1827084	12.5	13.1	
163 Indeno[1,2,3-cd]pyrene	276	14.286	14.286	0.000	99	1780387	12.5	13.8	M
164 Dibenz(a,h)anthracene	278	14.334	14.334	0.000	94	2081477	12.5	14.0	
165 Benzo[g,h,i]perylene	276	14.671	14.671	0.000	98	2090741	12.5	13.4	
S 166 Isosafrole	162				0		12.5	13.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_6_00027 Amount Added: 1.00 Units: mL

Report Date: 19-May-2022 22:49:50 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1951a.D

Injection Date: 19-May-2022 16:11:54 Instrument ID: HP20296 Operator ID: mem41592

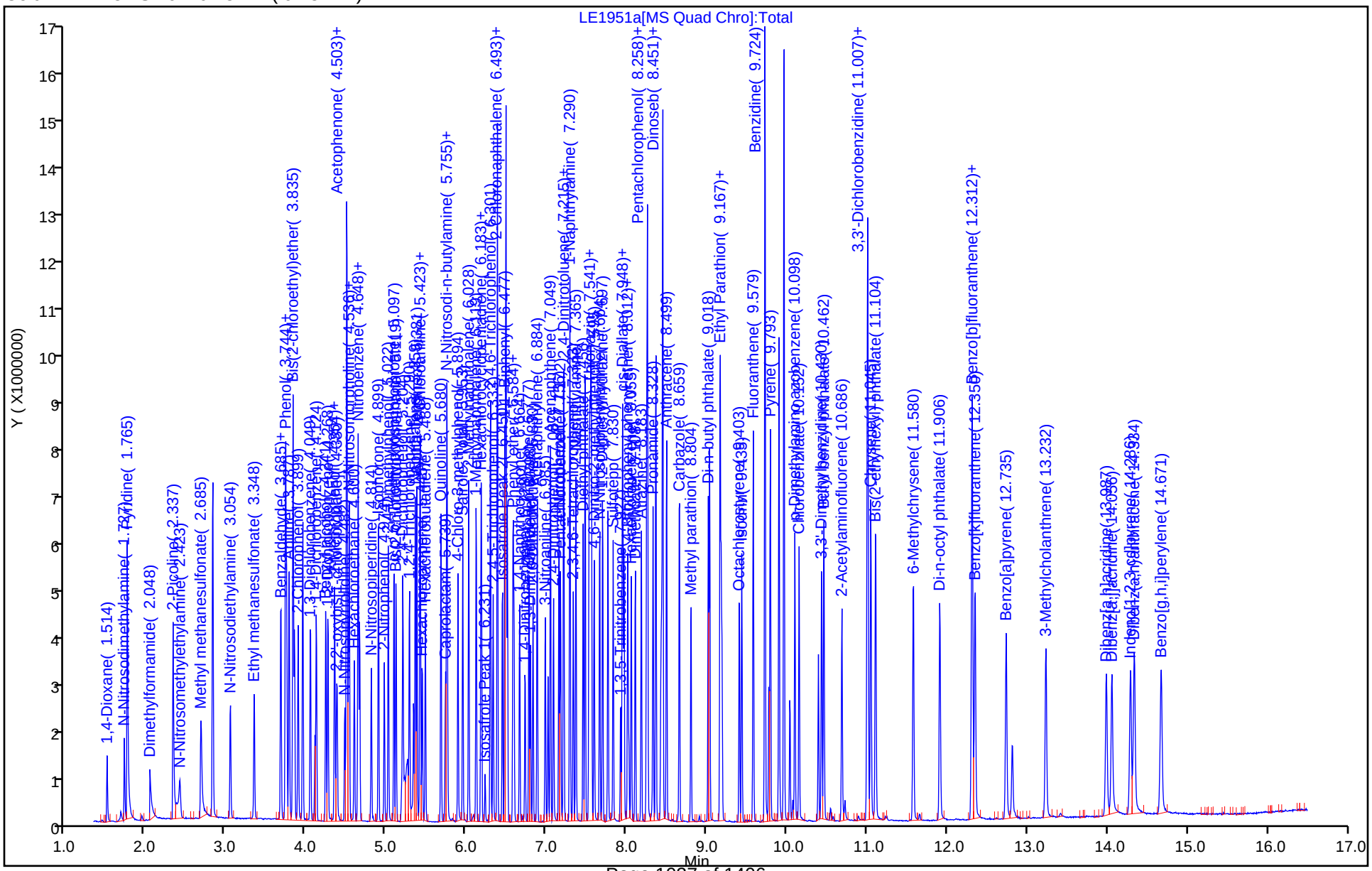
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

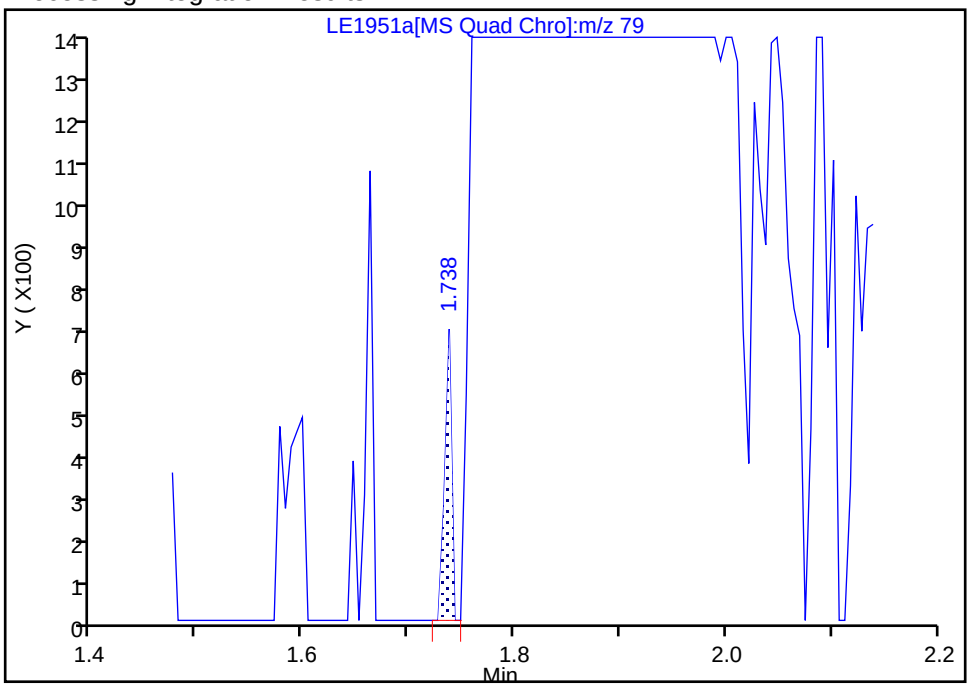
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1951a.D				
Injection Date:	19-May-2022 16:11:54	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1

Signal: 1

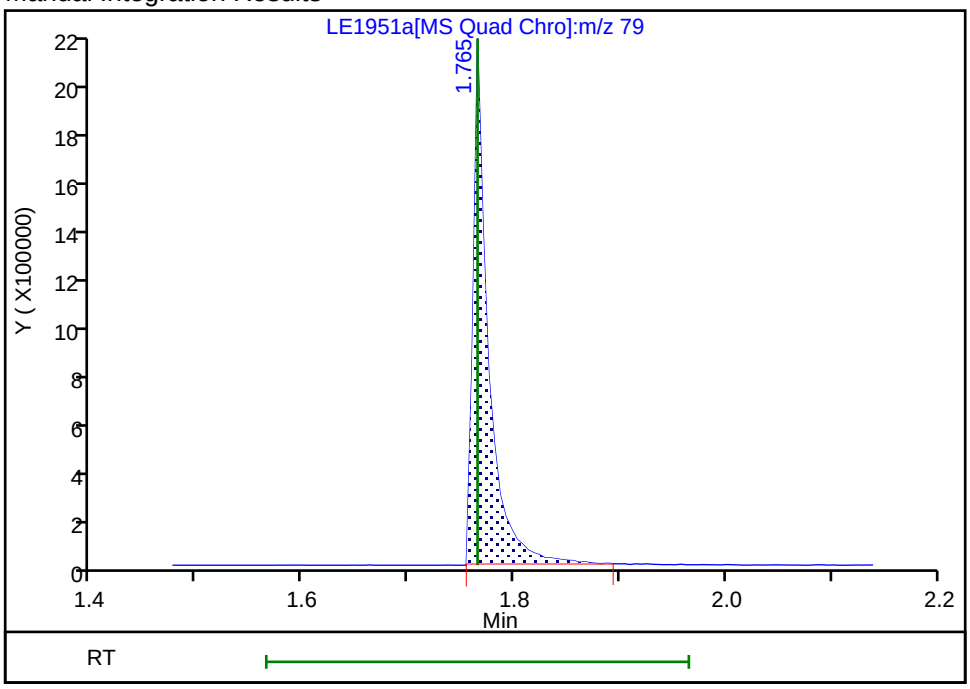
Processing Integration Results

RT: 1.74
Area: 301
Amount: 0.003442
Amount Units: ug/ml



Manual Integration Results

RT: 1.76
Area: 2141341
Amount: 24.486717
Amount Units: ug/ml



Reviewer: mcgowanm, 19-May-2022 16:45:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

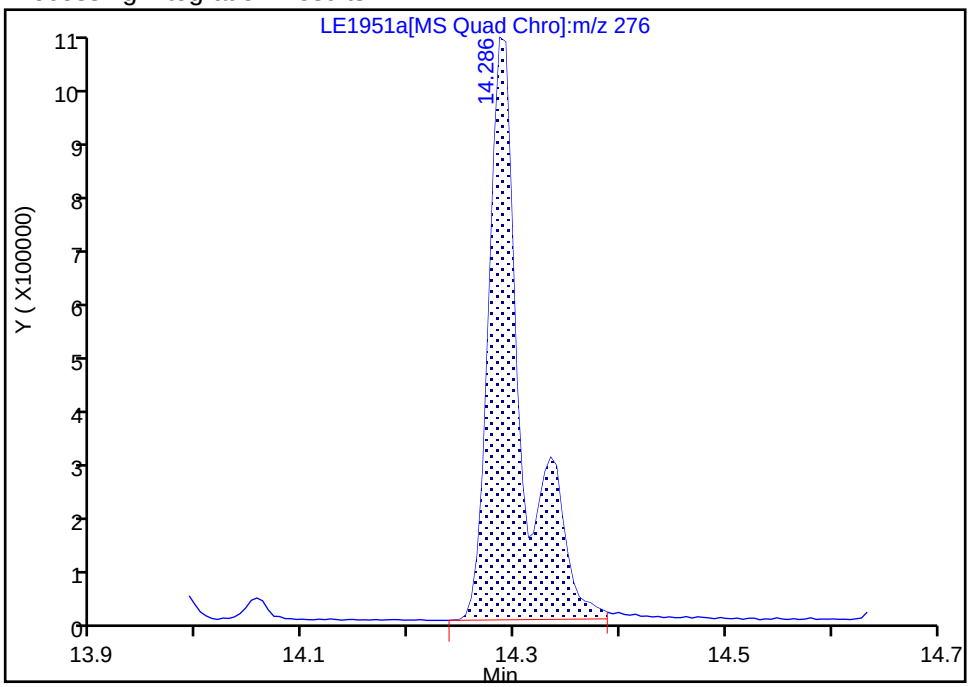
Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1951a.D				
Injection Date:	19-May-2022 16:11:54	Instrument ID:	HP20296		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.18mm (0.18 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

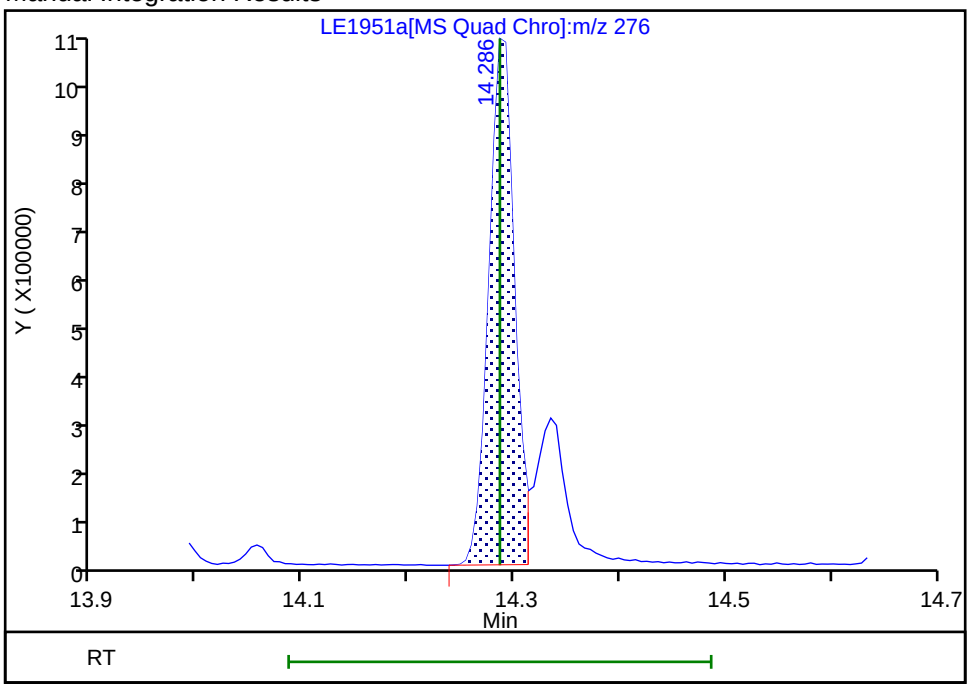
Processing Integration Results

RT: 14.29
Area: 2366152
Amount: 18.332630
Amount Units: ug/ml



Manual Integration Results

RT: 14.29
Area: 1780387
Amount: 13.794201
Amount Units: ug/ml



Reviewer: mcgowanm, 19-May-2022 22:49:29

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\20220501-56151.b\LE0150.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 01-May-2022 15:50:06 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\20220501-56151.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 13:31:17 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: mcgowanm Date: 01-May-2022 16:23:37

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	4.309	4.309	0.000	91	281277	NR	NR	
14 Benzidine_T	184	5.577	5.577	0.000	99	1976926	NR	NR	
178 DFTPP									
179 4,4'-DDE	246	5.737	5.737	0.000	1	2306		NR	
180 4,4'-DDD	235	6.021	6.021	0.000	53	4389		NR	
181 4,4'-DDT	235	6.278	6.278	0.000	97	823999	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

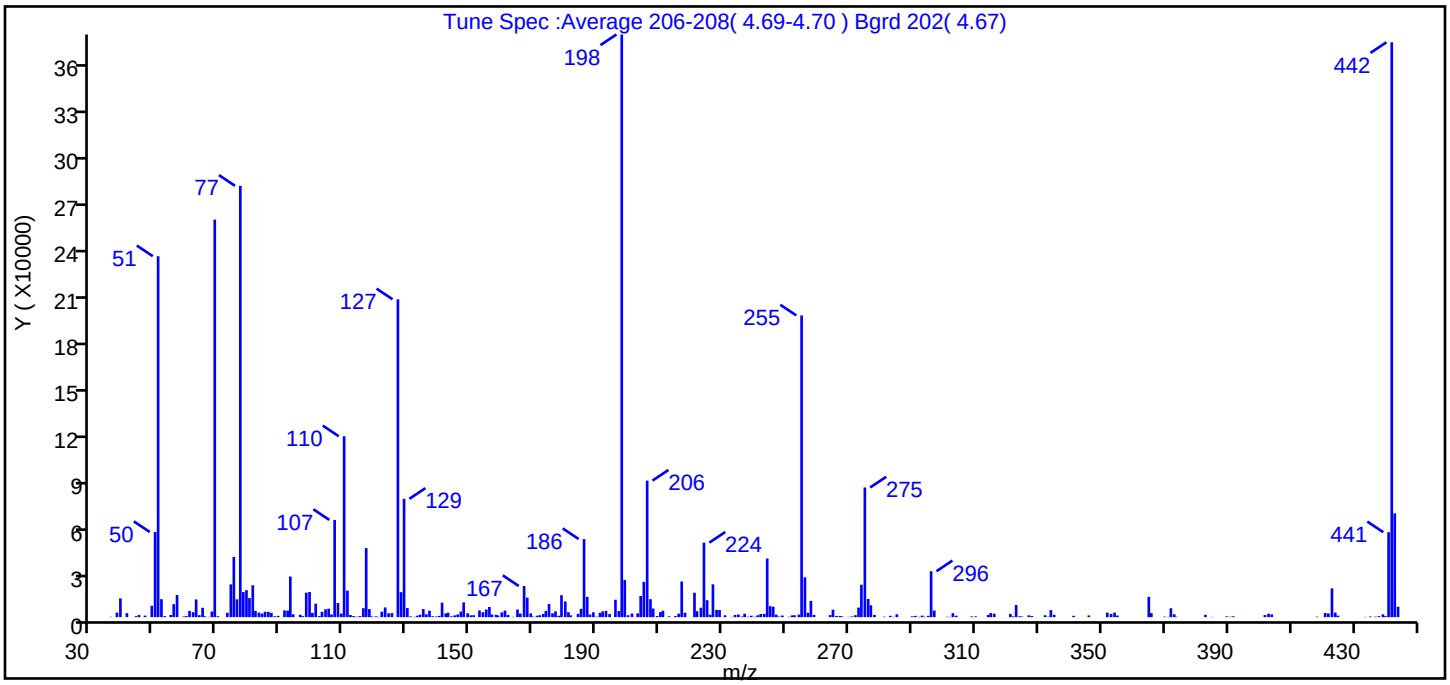
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D				
Injection Date:	01-May-2022 15:50:06	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	mem41592	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Tune Method:	DFTPP Method 8270D, BP 198				

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (101.4)
51	10-80% of the base peak	61.9
68	<2% of mass 69	1.0 (1.4)
69	Present	68.2
70	<2% of mass 69	0.2 (0.3)
127	10-80% of the base peak	54.5
197	<2% of mass 198	1.1
199	5-9% of mass 198	6.4
275	10-60% of the base peak	22.3
365	>1% of mass 198	3.5
441	present but <24% of mass 442	14.6 (14.8)
442	base peak, or >50% of 198	98.7
443	15-24% of mass 442	17.8 (18.1)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 01-May-2022 15:50:06
Spectrum: Tune Spec :Average 206-208(4.69-4.70) Bgrd 202(4.67)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	240	119.00	455	194.00	1964	281.00	303
38.00	2922	120.00	519	196.00	11126	283.00	846
39.00	11987	121.00	192	197.00	3933	284.00	217
41.00	2550	122.00	3483	198.00	372864	285.00	1842
44.00	659	123.00	6201	199.00	23792	290.00	554
45.00	1447	124.00	2455	200.00	1231	291.00	797
47.00	998	125.00	2552	201.00	2287	292.00	211
49.00	7297	127.00	203392	203.00	2404	293.00	962
50.00	54464	128.00	15981	204.00	13555	294.00	226
51.00	230976	129.00	75728	205.00	22592	295.00	853
52.00	11505	130.00	5803	206.00	87376	296.00	29376
53.00	693	131.00	477	207.00	11500	297.00	4228
55.00	1406	132.00	171	208.00	5516	301.00	215
56.00	8283	133.00	939	209.00	770	302.00	177
57.00	14171	134.00	1591	210.00	3251	303.00	2556
59.00	416	135.00	5171	211.00	4077	304.00	911
60.00	672	136.00	1800	213.00	523	309.00	483
61.00	3943	137.00	4133	215.00	725	310.00	508
62.00	3165	138.00	568	216.00	2249	314.00	1436
63.00	11332	139.00	392	217.00	22784	315.00	2607
64.00	1248	140.00	772	218.00	2840	316.00	2194
65.00	5992	141.00	9262	221.00	15606	321.00	2053
66.00	496	142.00	2374	222.00	3813	322.00	496
67.00	215	143.00	2840	223.00	5993	323.00	7768
68.00	3613	144.00	523	224.00	47672	324.00	553
69.00	254400	145.00	1110	225.00	10847	325.00	385
70.00	639	146.00	1710	226.00	1526	327.00	1151
73.00	2797	147.00	3543	227.00	21008	328.00	740
74.00	20984	148.00	9424	228.00	4694	332.00	1205
75.00	38536	149.00	2489	229.00	4529	333.00	300
76.00	11400	150.00	1184	231.00	1198	334.00	4511
77.00	276032	151.00	1235	233.00	189	335.00	1485
78.00	16035	153.00	4289	234.00	1392	341.00	854

Report Date: 02-May-2022 13:31:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 01-May-2022 15:50:06
Spectrum: Tune Spec :Average 206-208(4.69-4.70) Bgrd 202(4.67)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	17256	154.00	3145	235.00	1701	346.00	1086
80.00	12209	155.00	4872	236.00	437	352.00	2865
81.00	20408	156.00	6522	237.00	2204	353.00	2082
82.00	3933	157.00	1687	238.00	304	354.00	2954
83.00	2883	158.00	1535	239.00	897	355.00	1009
84.00	2311	159.00	1076	240.00	293	365.00	12986
85.00	3446	160.00	3063	241.00	1210	366.00	2564
86.00	3409	161.00	4217	242.00	2019	370.00	347
87.00	2716	162.00	1407	243.00	2127	371.00	194
88.00	569	164.00	193	244.00	37520	372.00	5676
89.00	829	165.00	4864	245.00	7031	373.00	1806
91.00	4322	166.00	2263	246.00	6688	374.00	272
92.00	4173	167.00	19912	247.00	1598	383.00	1487
93.00	25960	168.00	12474	248.00	393	385.00	177
94.00	1824	169.00	2368	249.00	1022	390.00	505
96.00	1556	170.00	338	251.00	256	391.00	274
97.00	626	171.00	926	252.00	1116	392.00	539
98.00	15646	172.00	1203	253.00	1224	402.00	1328
99.00	16100	173.00	1998	254.00	1596	403.00	2197
100.00	2690	174.00	3994	255.00	193088	404.00	1755
101.00	8630	175.00	8350	256.00	25512	418.00	318
102.00	673	176.00	2435	257.00	2817	421.00	2650
103.00	3388	177.00	3709	258.00	10411	422.00	2379
104.00	5036	178.00	877	259.00	1384	423.00	18432
105.00	5412	179.00	14055	264.00	1335	424.00	2939
106.00	1699	180.00	10015	265.00	4760	425.00	959
107.00	62216	181.00	3177	266.00	797	434.00	180
108.00	9063	182.00	1137	267.00	740	435.00	428
109.00	2291	184.00	2059	268.00	418	437.00	309
110.00	115744	185.00	5342	270.00	207	438.00	632
111.00	16944	186.00	49952	271.00	469	439.00	1770
112.00	1355	187.00	12975	272.00	1217	440.00	637
113.00	714	188.00	1683	273.00	6108	441.00	54352
114.00	253	189.00	3116	274.00	20752	442.00	367872

Report Date: 02-May-2022 13:31:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 01-May-2022 15:50:06
Spectrum: Tune Spec :Average 206-208(4.69-4.70) Bgrd 202(4.67)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	688	190.00	313	275.00	82984	443.00	66440
116.00	5734	191.00	2751	276.00	11641	444.00	6648
117.00	44200	192.00	3672	277.00	7583		
118.00	5134	193.00	4050	278.00	1445		

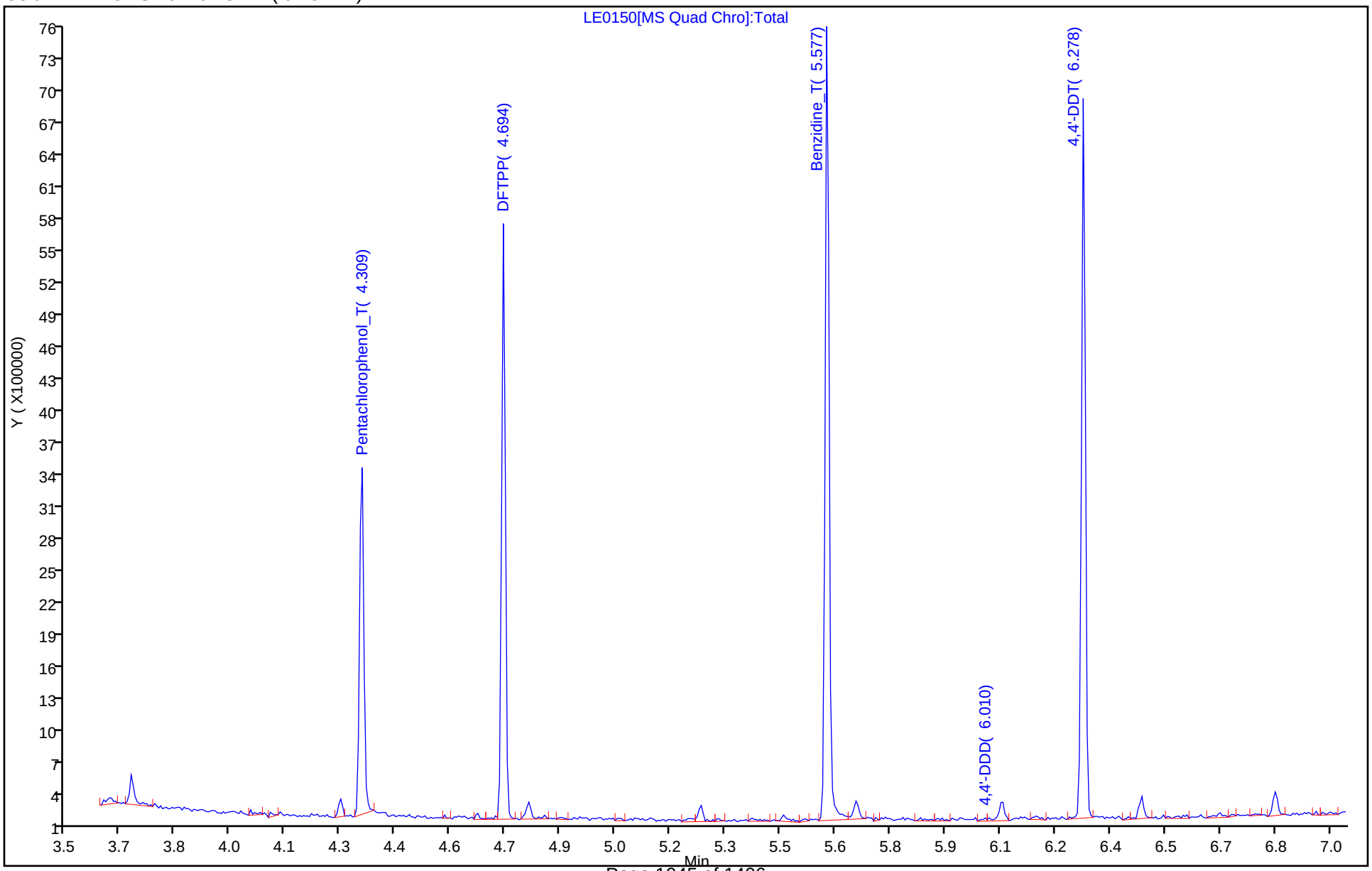
Report Date: 02-May-2022 13:31:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D

Injection Date:	01-May-2022 15:50:06	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\20220501-56151.b\LE0150.D
Injection Date: 01-May-2022 15:50:06 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

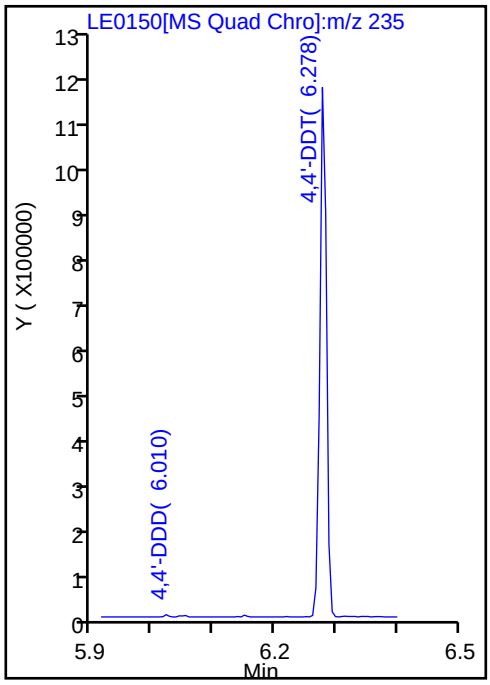
181 4,4'-DDT, Detector: MS Quad

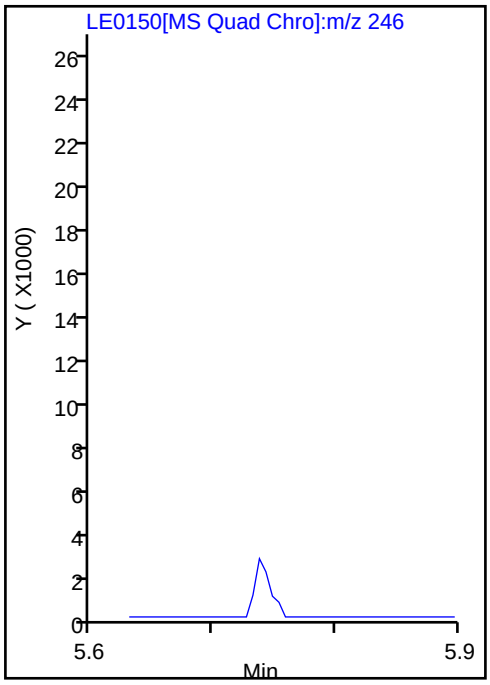
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 823999
180 4,4'-DDD, Area = 4389
179 4,4'-DDE, Area = 2306

%Breakdown: 0.81%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

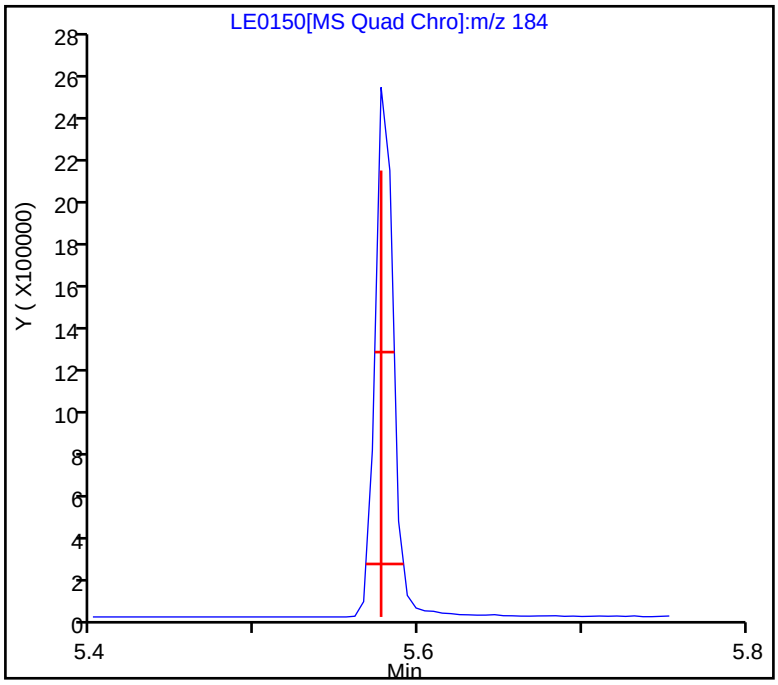
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D
Injection Date: 01-May-2022 15:50:06 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.56, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0150.D
Injection Date: 01-May-2022 15:50:06 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

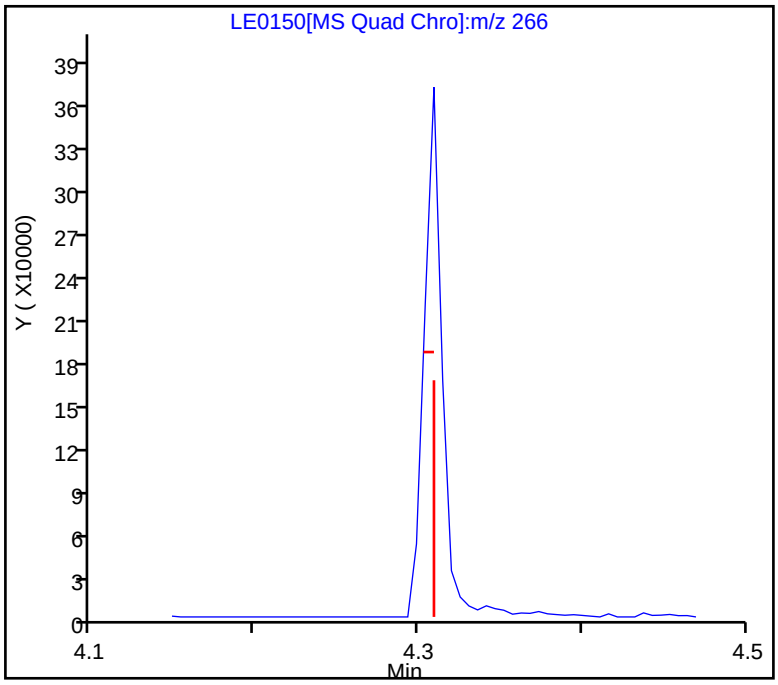
8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor Failed @10% Peak Height
Too Few Peak Points: 12
FrontWidth: 0.000 (min.)
Back Width = 0.000 (min.)

Re-measured Peak Tailing Factor =
BackWidth/FrontWidth @ 5% Peak Height

Back Width = 0.000 (min.)
Front Width = 0.000 (min.)

Tailing Factor = 0.0, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 02-May-2022 11:11:30 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: apb10206 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-May-2022 13:30:46 Calib Date: 01-May-2022 20:46:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220501-56151.b\LE0158.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: bauera Date: 02-May-2022 11:26:16

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	4.315	4.315	0.000	89	375035	NR	NR	
14 Benzidine_T	184	5.598	5.598	0.000	99	2261709	NR	NR	
178 DFTPP									
179 4,4'-DDE	246	5.764	5.764	0.000	1	1728		NR	
180 4,4'-DDD	235	6.080	6.080	0.000	53	1937		NR	
181 4,4'-DDT	235	6.326	6.326	0.000	97	974385	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

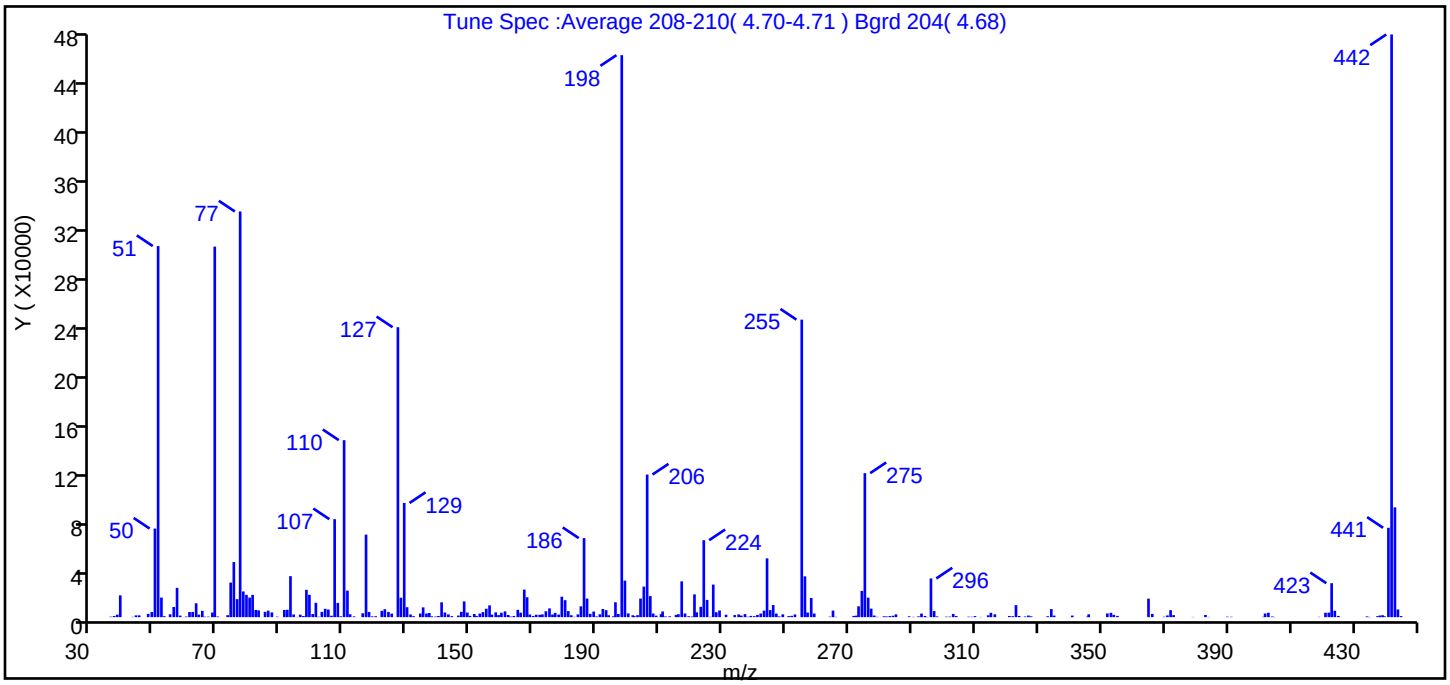
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D				
Injection Date:	02-May-2022 11:11:30	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		
Tune Method:	DFTPP Method 8270D, BP 198				

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (96.4)
51	10-80% of the base peak	66.0
68	<2% of mass 69	0.8 (1.2)
69	Present	65.9
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	51.6
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.5
275	10-60% of the base peak	25.6
365	>1% of mass 198	3.3
441	present but <24% of mass 442	15.9 (15.3)
442	base peak, or >50% of 198	103.7
443	15-24% of mass 442	19.5 (18.8)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 02-May-2022 11:11:30
Spectrum: Tune Spec :Average 208-210(4.70-4.71) Bgrd 204(4.68)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	383	123.00	6505	199.00	29928	290.00	233
37.00	978	124.00	4281	200.00	3073	292.00	643
38.00	2047	125.00	2888	201.00	1544	293.00	2939
39.00	17840	127.00	237568	202.00	938	294.00	980
43.00	247	128.00	15902	203.00	1644	295.00	168
44.00	1460	129.00	93552	204.00	15221	296.00	31704
45.00	1461	130.00	8148	205.00	25032	297.00	5002
48.00	2669	131.00	2192	206.00	116856	298.00	634
49.00	4186	132.00	795	207.00	17256	301.00	407
50.00	72568	134.00	2947	208.00	2976	302.00	436
51.00	304064	135.00	8010	209.00	1224	303.00	2630
52.00	16066	136.00	2949	210.00	2450	304.00	908
53.00	781	137.00	3387	211.00	4648	308.00	360
55.00	2335	138.00	682	212.00	568	309.00	280
56.00	8314	139.00	460	213.00	699	310.00	868
57.00	23976	140.00	973	215.00	1849	312.00	194
58.00	1265	141.00	12166	216.00	2425	314.00	1535
59.00	82	142.00	3777	217.00	29312	315.00	3552
60.00	490	143.00	2250	218.00	2999	316.00	2336
61.00	4208	144.00	839	219.00	766	321.00	963
62.00	4274	146.00	1298	220.00	498	322.00	759
63.00	11366	147.00	4363	221.00	18640	323.00	9827
64.00	2056	148.00	12875	222.00	3925	324.00	980
65.00	5175	149.00	3773	223.00	8473	326.00	519
66.00	395	150.00	1051	224.00	63056	327.00	1311
67.00	410	151.00	2586	225.00	14104	328.00	661
68.00	3761	152.00	1000	226.00	260	333.00	755
69.00	303616	153.00	2927	227.00	26696	334.00	6606
70.00	563	154.00	4125	228.00	4036	335.00	1253
73.00	1635	155.00	6884	229.00	5432	341.00	197
74.00	28320	156.00	9664	231.00	1977	341.00	1276
75.00	45152	157.00	2058	234.00	1688	346.00	437
76.00	14765	158.00	3937	235.00	2247	346.00	2299

Report Date: 02-May-2022 13:30:47 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 02-May-2022 11:11:30
Spectrum: Tune Spec :Average 208-210(4.70-4.71) Bgrd 204(4.68)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	332416	159.00	1695	236.00	1286	352.00	3029
78.00	21048	160.00	3582	237.00	2506	353.00	3559
79.00	18248	161.00	4732	238.00	324	354.00	1897
80.00	16027	162.00	1807	239.00	1034	355.00	1026
81.00	18248	163.00	472	240.00	813	365.00	15135
82.00	5906	164.00	981	241.00	1811	366.00	2642
83.00	5527	165.00	5989	242.00	2946	370.00	365
85.00	4331	166.00	3664	243.00	5339	371.00	1410
86.00	5315	167.00	22552	244.00	48160	372.00	5710
87.00	3884	168.00	16291	245.00	5775	373.00	1647
89.00	414	169.00	2176	246.00	9928	379.00	186
91.00	5900	170.00	973	247.00	2926	383.00	1802
92.00	6028	171.00	1992	248.00	609	384.00	196
93.00	33600	172.00	1935	249.00	2279	390.00	397
94.00	2181	173.00	2245	251.00	841	391.00	316
95.00	174	174.00	4852	252.00	1079	401.00	257
96.00	2021	175.00	7185	253.00	2203	402.00	2964
97.00	923	176.00	2111	255.00	243776	403.00	3593
98.00	22392	177.00	3486	256.00	33408	404.00	521
99.00	18312	178.00	2094	257.00	3783	405.00	183
100.00	2554	179.00	16744	258.00	15707	419.00	256
101.00	11761	180.00	13900	259.00	2928	421.00	3605
102.00	317	181.00	4952	264.00	389	422.00	3722
103.00	4328	182.00	1564	265.00	5364	423.00	27816
104.00	6832	183.00	263	266.00	253	424.00	5242
105.00	6259	184.00	2232	271.00	1004	425.00	1002
106.00	1155	185.00	8853	272.00	1237	434.00	622
107.00	80280	186.00	64760	273.00	8894	435.00	187
108.00	11681	187.00	15218	274.00	21504	438.00	821
109.00	694	188.00	2750	275.00	118000	438.00	1351
110.00	145024	189.00	4603	276.00	15961	439.00	1541
111.00	21704	190.00	566	277.00	6960	440.00	714
112.00	2354	191.00	2303	278.00	1333	441.00	73200
113.00	626	192.00	6670	279.00	272	442.00	477440

Report Date: 02-May-2022 13:30:47 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D\MSSemi_HP20296.rslt\spectra.d
Injection Date: 02-May-2022 11:11:30
Spectrum: Tune Spec :Average 208-210(4.70-4.71) Bgrd 204(4.68)
Base Peak: 441.95
Minimum % Base Peak: 0
Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	3155	193.00	5731	281.00	661	443.00	89960
117.00	67656	194.00	1524	282.00	582	444.00	6325
118.00	4254	195.00	693	283.00	880	445.00	872
119.00	613	196.00	12207	284.00	1148		
120.00	758	197.00	2633	285.00	2307		
122.00	5186	198.00	460480	289.00	702		

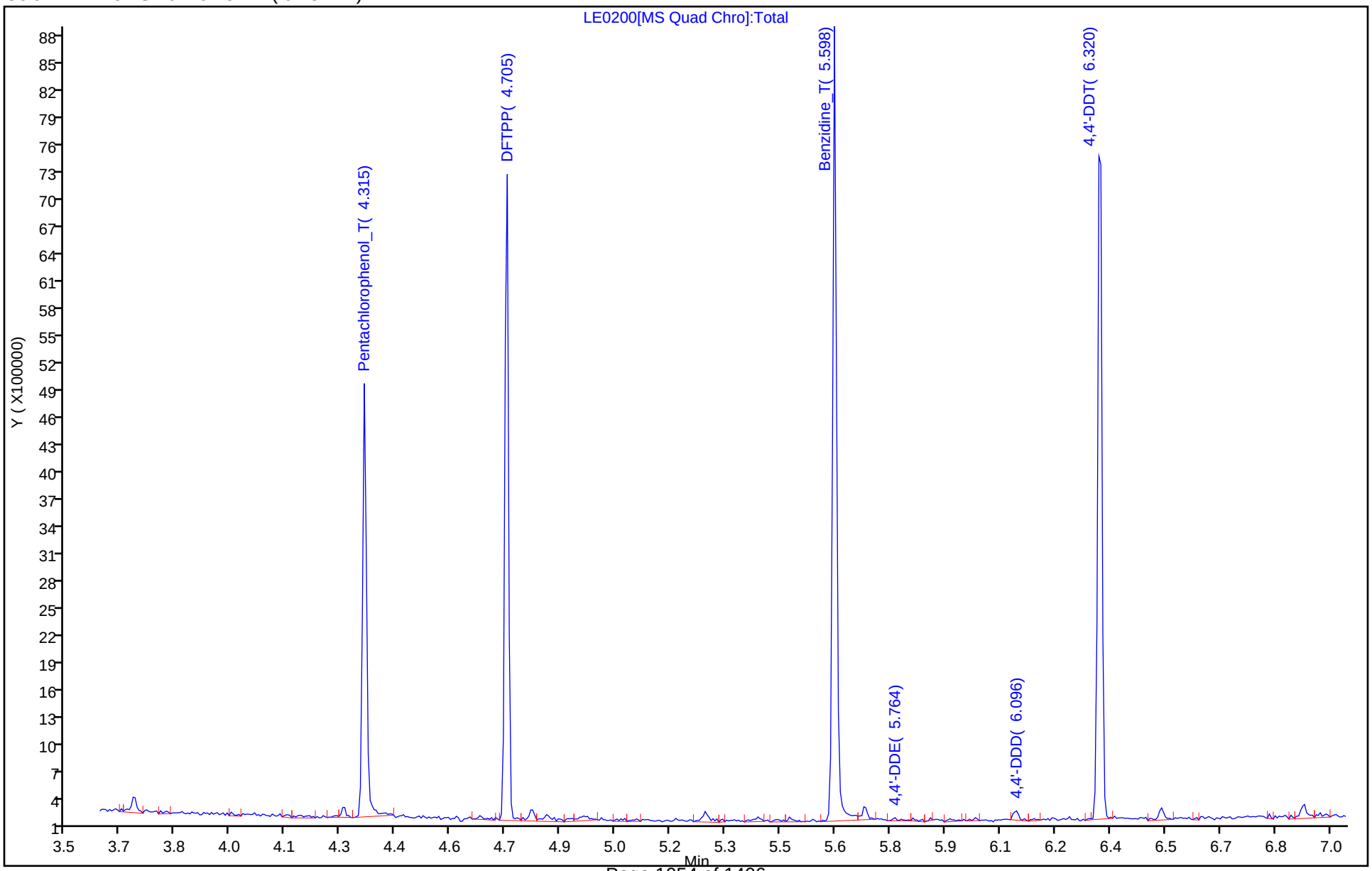
Report Date: 02-May-2022 13:30:47 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D

Injection Date:	02-May-2022 11:11:30	Instrument ID:	HP20296	Operator ID:	apb10206
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.18mm (0.18 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D				
Injection Date:	02-May-2022 11:11:30	Instrument ID:	HP20296		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	apb10206	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP20296	Limit Group:	MSSV - 8270D_E LVI		

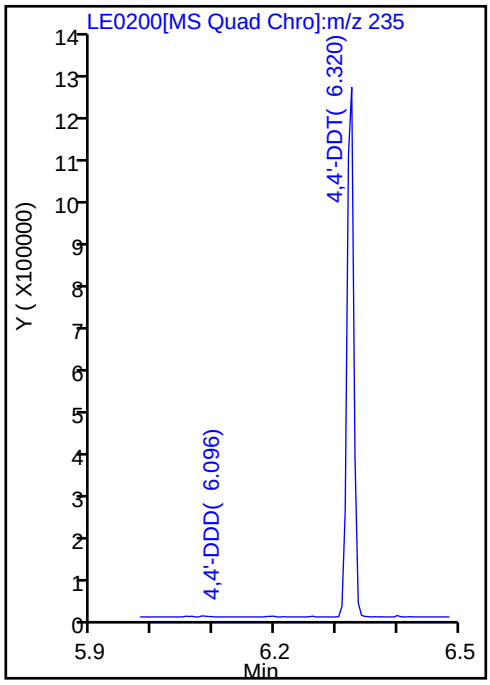
181 4,4'-DDT, Detector: MS Quad

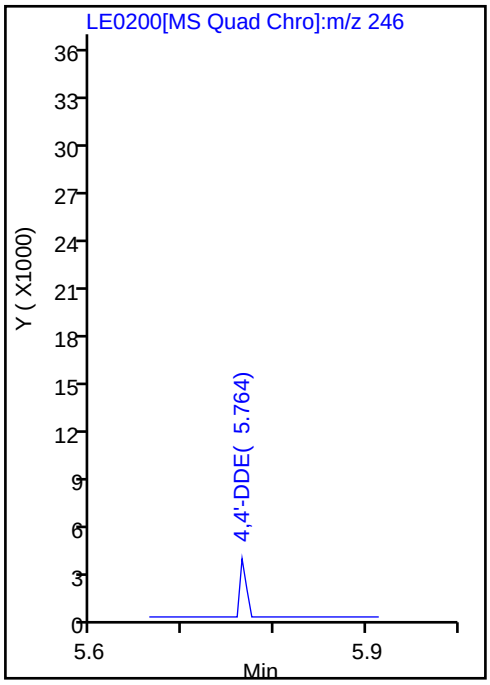
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 974385
180 4,4'-DDD, Area = 1937
179 4,4'-DDE, Area = 1728

%Breakdown: 0.37%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

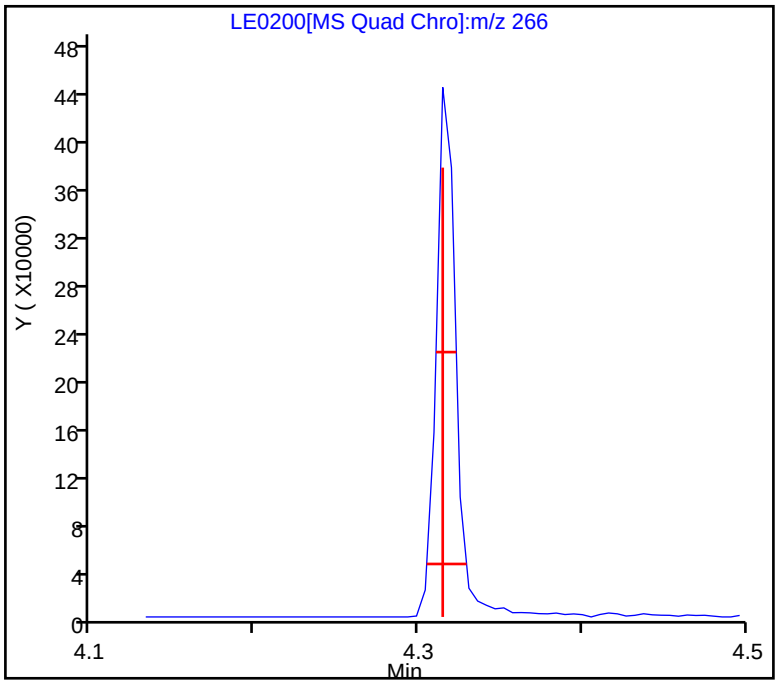
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D
Injection Date: 02-May-2022 11:11:30 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

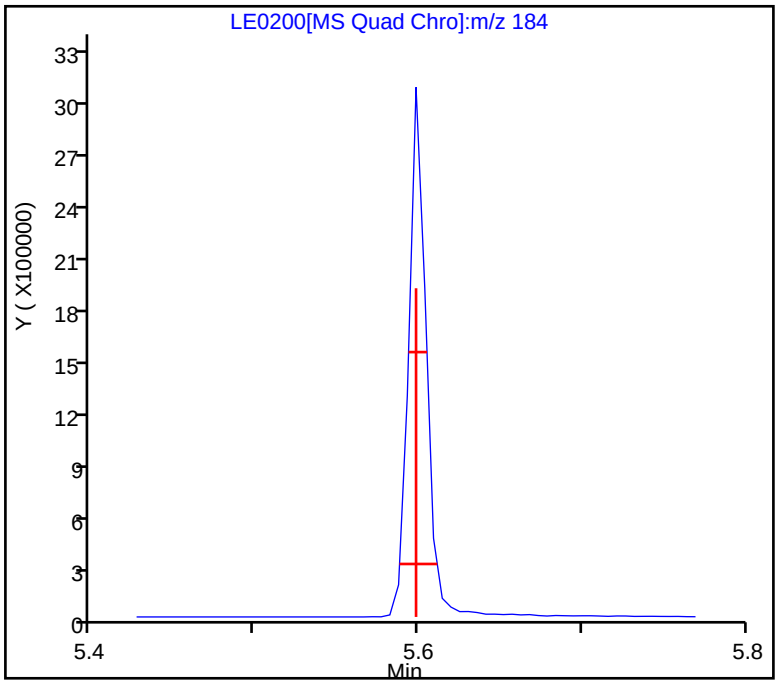
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220502-56211.b\LE0200.D
Injection Date: 02-May-2022 11:11:30 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: apb10206 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.30, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 19-May-2022 15:54:09 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\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 19-May-2022 21:56:57 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: mcgowanm Date: 19-May-2022 16:08:29

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	4.266	4.266	0.000	92	279048	NR	NR	
14 Benzidine_T	184	5.534	5.534	0.000	99	1297560	NR	NR	
178 DFTPP									
179 4,4'-DDE	246		5.700					ND	U
180 4,4'-DDD	235		6.235					ND	U
181 4,4'-DDT	235	6.235	6.235	0.000	98	632389	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

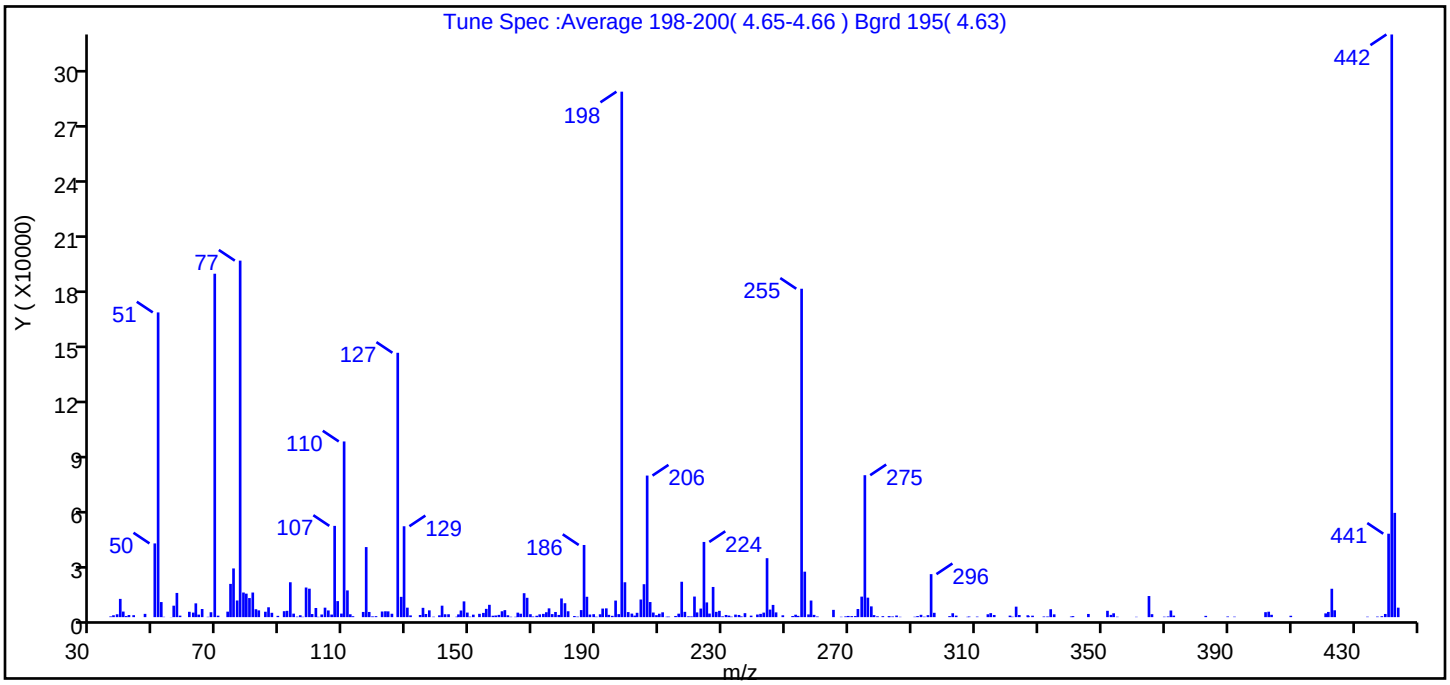
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D
Injection Date: 19-May-2022 15:54:09 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 (90.2)
51	10-80% of the base peak	58.0
68	<2% of mass 69	0.9 (1.4)
69	Present	65.4
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	50.3
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	27.0
365	>1% of mass 198	4.0
441	present but <24% of mass 442	15.9 (14.3)
442	base peak, or >50% of 198	110.9
443	15-24% of mass 442	19.8 (17.9)

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 19-May-2022 15:54:09
Spectrum: Tune Spec :Average 198-200(4.65-4.66) Bgrd 195(4.63)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	382	122.00	3006	198.00	279872	279.00	439
37.00	1003	123.00	3124	199.00	18576	281.00	515
38.00	1526	124.00	3078	200.00	2692	283.00	518
39.00	9721	125.00	1807	201.00	1880	283.00	374
40.00	2973	127.00	140800	202.00	812	284.00	375
41.00	565	128.00	10806	203.00	2315	285.00	857
42.00	1122	129.00	48408	204.00	9388	286.00	184
43.00	1042	130.00	5048	205.00	17544	291.00	220
47.00	1747	131.00	933	206.00	75408	292.00	566
50.00	39264	134.00	1147	207.00	8042	293.00	1241
51.00	162304	135.00	4962	208.00	2460	294.00	246
52.00	8033	136.00	1680	209.00	1044	295.00	1061
53.00	188	137.00	3617	210.00	1813	296.00	22904
55.00	65	138.00	242	211.00	2575	297.00	2311
56.00	6104	140.00	976	212.00	243	302.00	539
57.00	12891	141.00	6108	213.00	267	303.00	2084
58.00	807	142.00	1543	215.00	626	304.00	804
61.00	2847	143.00	1536	216.00	1844	308.00	171
62.00	2416	146.00	259	217.00	18848	308.00	324
63.00	7351	146.00	1468	218.00	2824	311.00	295
64.00	1351	147.00	3537	219.00	446	314.00	1527
65.00	4329	148.00	8395	220.00	381	315.00	2132
67.00	189	149.00	2431	221.00	10965	316.00	1149
68.00	2617	150.00	244	222.00	2523	321.00	806
69.00	182912	151.00	1326	223.00	4570	322.00	223
70.00	790	153.00	1759	224.00	40048	323.00	5586
73.00	2926	154.00	2258	225.00	7845	324.00	1124
74.00	17712	155.00	4407	226.00	1904	327.00	1002
75.00	25944	156.00	6572	227.00	16076	327.00	603
76.00	8878	157.00	753	228.00	2818	328.00	774
77.00	189888	158.00	875	229.00	3362	332.00	345
78.00	13117	159.00	1203	230.00	431	333.00	342
79.00	12517	160.00	3129	231.00	1165	334.00	4217

Report Date: 19-May-2022 21:56:58 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 19-May-2022 15:54:09
Spectrum: Tune Spec :Average 198-200(4.65-4.66) Bgrd 195(4.63)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	10161	161.00	3731	232.00	829	335.00	1497
81.00	13108	162.00	1001	233.00	278	340.00	317
82.00	4216	163.00	219	234.00	1355	341.00	539
83.00	3609	164.00	204	235.00	1155	346.00	1697
85.00	2879	165.00	2394	236.00	400	352.00	3375
86.00	5253	166.00	1818	237.00	2118	353.00	1208
87.00	2314	167.00	12748	239.00	807	354.00	2057
89.00	691	168.00	10296	241.00	1392	355.00	229
91.00	3168	169.00	1563	242.00	1735	361.00	179
92.00	3365	170.00	330	243.00	2411	365.00	11244
93.00	18584	171.00	730	244.00	31408	366.00	1583
94.00	1867	172.00	1489	245.00	4020	370.00	242
95.00	279	173.00	1740	246.00	6511	371.00	358
96.00	1001	174.00	2614	247.00	2531	372.00	3532
97.00	188	175.00	4680	249.00	983	373.00	814
98.00	15782	176.00	1620	252.00	597	383.00	685
99.00	15152	177.00	2753	253.00	1303	390.00	355
100.00	1652	178.00	1184	254.00	684	392.00	260
101.00	4877	179.00	9953	255.00	174912	402.00	2645
102.00	181	180.00	7406	256.00	24216	403.00	2897
103.00	1410	181.00	3137	257.00	1443	404.00	1248
104.00	5047	183.00	583	258.00	8846	410.00	740
105.00	3570	184.00	280	259.00	1207	421.00	2003
106.00	1368	185.00	3759	260.00	350	422.00	2774
107.00	48608	186.00	38432	265.00	3880	423.00	15120
108.00	8542	187.00	10850	268.00	204	424.00	3655
109.00	1893	188.00	1400	269.00	404	434.00	240
110.00	93576	189.00	1571	270.00	640	437.00	304
111.00	14243	190.00	239	271.00	548	439.00	490
112.00	1534	191.00	1539	272.00	584	440.00	1690
113.00	492	192.00	4566	273.00	4326	441.00	44440
116.00	2769	193.00	4673	274.00	10926	442.00	310336
117.00	37320	194.00	1223	275.00	75600	443.00	55536
118.00	2761	195.00	694	276.00	10383	444.00	5053

Report Date: 19-May-2022 21:56:58 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D\MSSemi_HP20296.rslt\spectra.
Injection Date: 19-May-2022 15:54:09
Spectrum: Tune Spec :Average 198-200(4.65-4.66) Bgrd 195(4.63)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	414	196.00	8824	277.00	5737		
120.00	524	197.00	1600	278.00	1071		

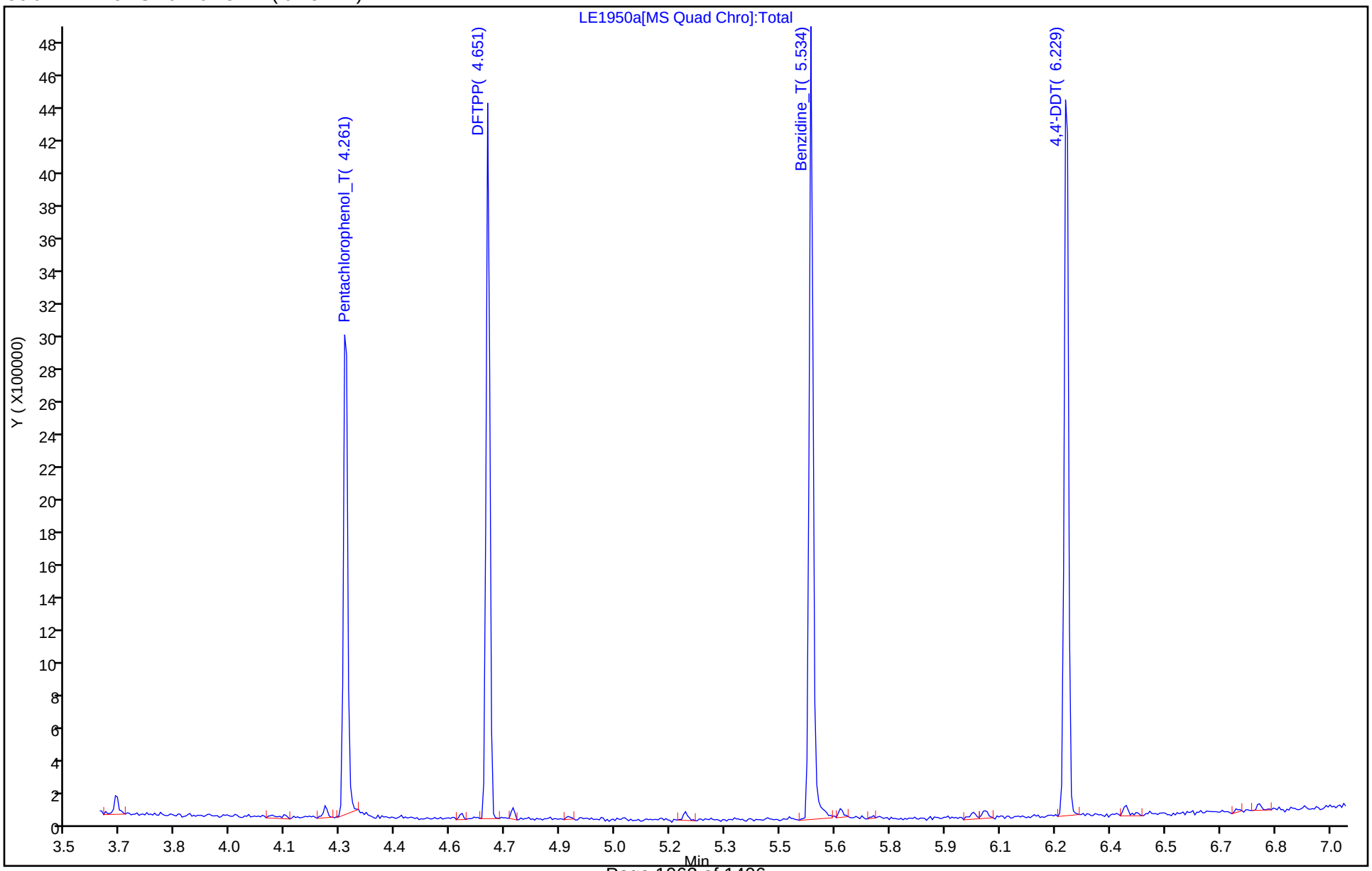
Report Date: 19-May-2022 21:56:58 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D

Injection Date:	19-May-2022 15:54:09	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\20220519-57631.b\LE1950a.D
Injection Date: 19-May-2022 15:54:09 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

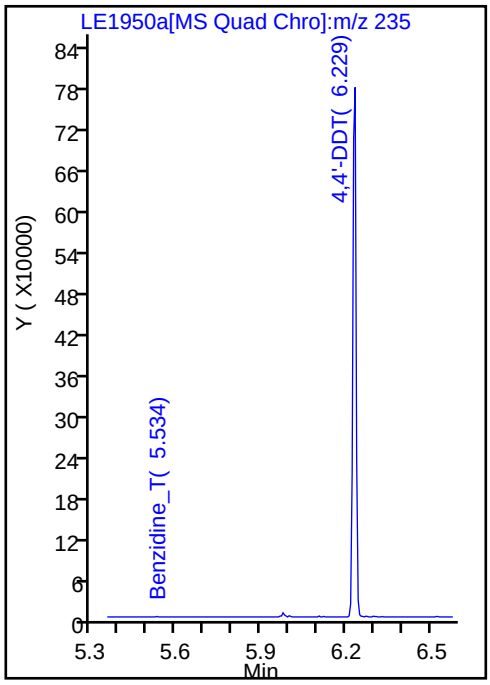
181 4,4'-DDT, Detector: MS Quad

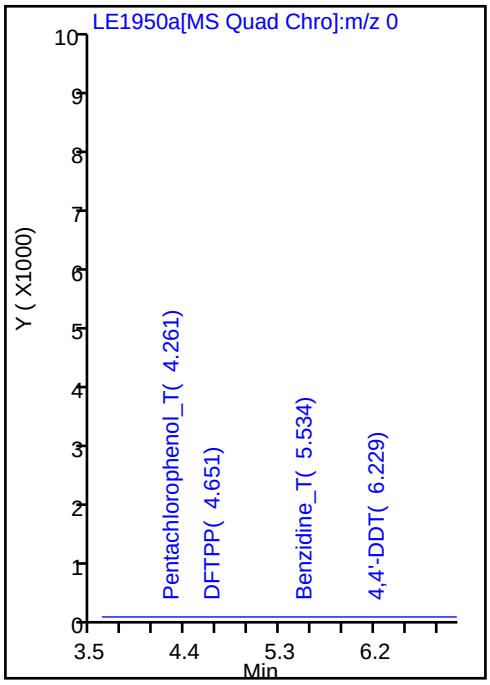
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 632389
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

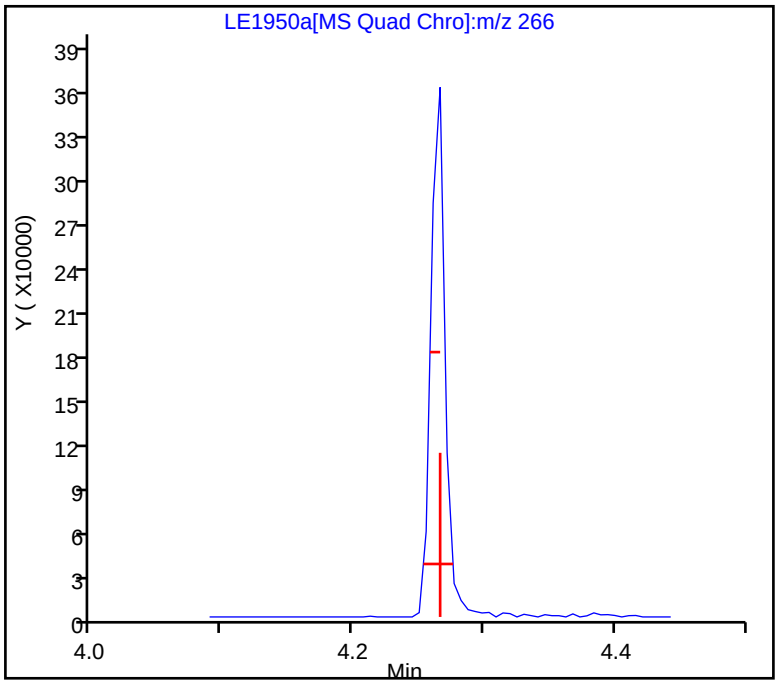
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D
Injection Date: 19-May-2022 15:54:09 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.77, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

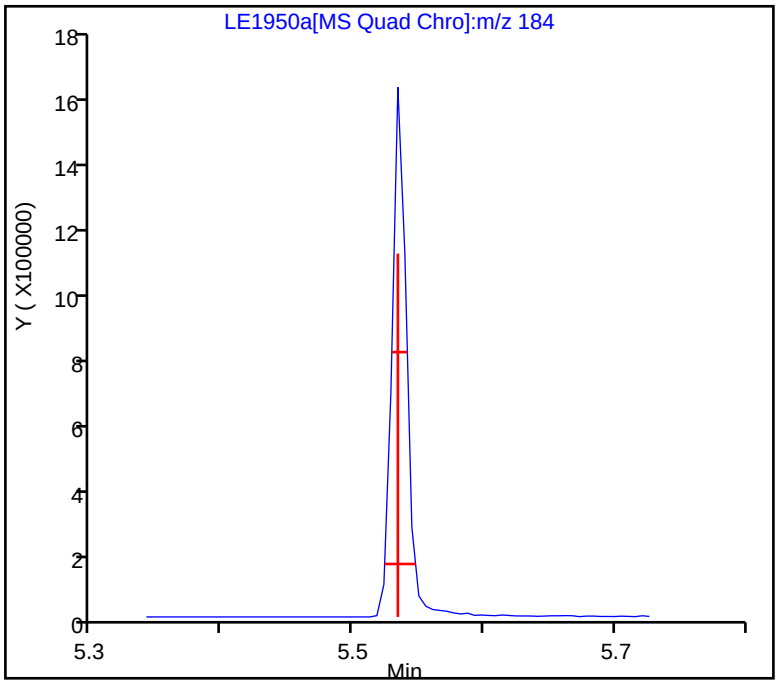
Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1950a.D
Injection Date: 19-May-2022 15:54:09 Instrument ID: HP20296
Lims ID: DFTPP
Client ID:
Operator ID: mem41592 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.40, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-256916/1-A

Matrix: Water
Lab File ID: LE1954.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 250(mL)
Date Analyzed: 05/19/2022 17:47

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.: 257173
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	ND		10	3
51-28-5	2,4-Dinitrophenol	ND		30	10
95-57-8	2-Chlorophenol	ND		2	0.5
86-74-8	Carbazole	ND		2	0.5
108-95-2	Phenol	ND		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		10-150
321-60-8	2-Fluorobiphenyl (Surr)	83		44-120
367-12-4	2-Fluorophenol (Surr)	45		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	79		25-125
4165-62-2	Phenol-d5 (Surr)	31		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	105		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1954.D
Lims ID: MB 410-256916/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-May-2022 17:47:18 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-256916/1-A
Misc. Info.: 410-0057631-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:20:29

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	2.824	2.835	-0.011	96	1129313	50.0	22.4	
15 Benzaldehyde	77		3.680				ND		7
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1220443	50.0	15.5	
17 Phenol	94		3.755				ND		7
19 Bis(2-chloroethyl)ether	93		3.851				ND		7
20 2-Chlorophenol	128		3.899				ND		
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	97	160861	5.00	5.00	
31 2-Methylphenol	108		4.354				ND		
32 2,2'-oxybis[1-chloropropane]	45		4.380				ND		7
35 Acetophenone	105		4.503				ND		7
37 N-Nitrosodi-n-propylamine	70		4.509				ND		7
36 4-Methylphenol	108		4.509				ND		7
40 Hexachloroethane	117		4.600				ND		7
$ 41 Nitrobenzene-d5	82	4.642	4.648	-0.006	88	1397645	25.0	19.8	
42 Nitrobenzene	77		4.664				ND		U
46 Isophorone	82		4.899				ND		7
47 2-Nitrophenol	139		4.974				ND		
48 2,4-Dimethylphenol	107		5.022				ND		7
51 Bis(2-chloroethoxy)methane	93		5.119				ND		
52 2,4-Dichlorophenol	162		5.204				ND		7
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	623910	5.00	5.00	
57 4-Chloroaniline	127		5.418				ND		
64 Caprolactam	113		5.739				ND		7
66 4-Chloro-3-methylphenol	107		5.894				ND		
71 Hexachlorocyclopentadiene	237		6.183				ND		
72 1,2,4,5-Tetrachlorobenzene	216		6.188				ND		
74 2,4,6-Trichlorophenol	196		6.301				ND		7
75 2,4,5-Trichlorophenol	196		6.333				ND		7
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	1946484	25.0	20.8	
79 1,1'-Biphenyl	154		6.477				ND		7
80 2-Chloronaphthalene	162		6.493				ND		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 2-Nitroaniline	138		6.595					ND	7
86 Dimethyl phthalate	163		6.782					ND	7
88 2,6-Dinitrotoluene	165		6.830					ND	
91 3-Nitroaniline	138		6.985					ND	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	94	349639	5.00	5.00	
94 2,4-Dinitrophenol	184		7.087					ND	
96 4-Nitrophenol	109		7.156					ND	7
99 2,4-Dinitrotoluene	165		7.210					ND	7
100 Dibenzofuran	168		7.215					ND	
102 2,3,4,6-Tetrachlorophenol	232		7.333					ND	
104 Diethyl phthalate	149		7.456					ND	
108 4-Chlorophenyl phenyl ether	204		7.552					ND	
109 4-Nitroaniline	138		7.563					ND	
110 4,6-Dinitro-2-methylphenol	198		7.595					ND	U
111 N-Nitrosodiphenylamine	169		7.664					ND	7
$ 113 2,4,6-Tribromophenol	330	7.766	7.760	0.000	93	743967	50.0	46.2	
118 4-Bromophenyl phenyl ether	248		8.012					ND	
120 Hexachlorobenzene	284		8.055					ND	
122 Atrazine	200		8.183					ND	
123 Pentachlorophenol	266		8.247					ND	
* 127 Phenanthrene-d10	188	8.424	8.424	0.000	97	694047	5.00	5.00	
131 Carbazole	167		8.659					ND	7
133 Di-n-butyl phthalate	149		9.018					ND	7
* 140 Pyrene-d10 (IS)	212	9.772	9.772	0.000	99	693352	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.959	9.959	-0.005	97	2999280	25.0	26.2	
146 Butyl benzyl phthalate	149		10.462					ND	7
148 3,3'-Dichlorobenzidine	252		11.002					ND	7
152 Bis(2-ethylhexyl) phthalate	149		11.109					ND	7
154 Di-n-octyl phthalate	149		11.906					ND	U
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	572150	5.00	5.00	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

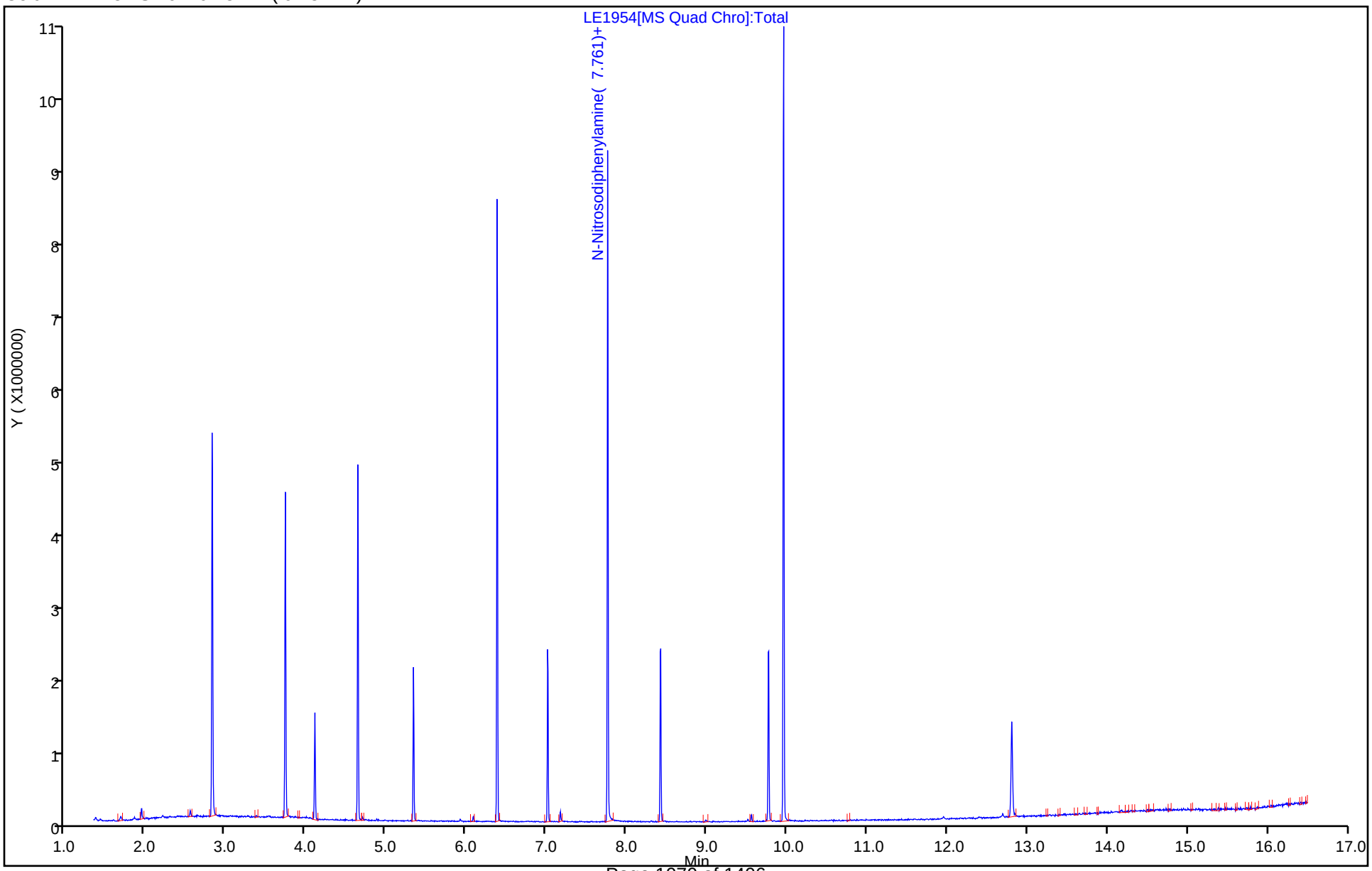
Report Date: 20-May-2022 07:42:27 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1954.D

Injection Date:	19-May-2022 17:47:18	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	MB 410-256916/1-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\20220519-57631.b\LE1954.D
Lims ID: MB 410-256916/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-May-2022 17:47:18 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-256916/1-A
Misc. Info.: 410-0057631-005
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:20:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	22.4	44.86
$ 16 Phenol-d5	50.0	15.5	30.95
$ 41 Nitrobenzene-d5	25.0	19.8	79.04
$ 76 2-Fluorobiphenyl (Surr)	25.0	20.8	83.32
$ 113 2,4,6-Tribromophenol	50.0	46.2	92.32
$ 142 p-Terphenyl-d14	25.0	26.2	104.71

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-256916/2-A

Matrix: Water
Lab File ID: LE1955.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 250(mL)
Date Analyzed: 05/19/2022 18:08

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.: 257173
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	49		10	3
51-28-5	2,4-Dinitrophenol	100		30	10
95-57-8	2-Chlorophenol	43		2	0.5
86-74-8	Carbazole	50		2	0.5
108-95-2	Phenol	25		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	97		10-150
321-60-8	2-Fluorobiphenyl (Surr)	86		44-120
367-12-4	2-Fluorophenol (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	83		25-125
4165-62-2	Phenol-d5 (Surr)	41		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1955.D
Lims ID: LCS 410-256916/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-May-2022 18:08:24 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-256916/2-A
Misc. Info.: 410-0057631-006
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:20:50

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	2.830	2.835	-0.005	95	1708198	50.0	28.6	
15 Benzaldehyde	77	3.680	3.680	0.000	90	749450	12.5	8.84	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1927807	50.0	20.6	
17 Phenol	94	3.755	3.755	0.000	97	646264	12.5	6.35	
19 Bis(2-chloroethyl)ether	93	3.851	3.851	0.000	90	878722	12.5	10.5	
20 2-Chlorophenol	128	3.899	3.899	0.000	87	585816	12.5	10.7	
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	96	190884	5.00	5.00	
31 2-Methylphenol	108	4.349	4.354	-0.006	96	692650	12.5	10.8	
32 2,2'-oxybis[1-chloropropane]	45	4.381	4.380	0.001	94	1107395	12.5	8.48	
35 Acetophenone	105	4.498	4.503	-0.005	85	1155615	12.5	10.3	
37 N-Nitrosodi-n-propylamine	70	4.504	4.509	-0.005	82	759070	12.5	10.3	
36 4-Methylphenol	108	4.504	4.509	-0.005	82	704898	12.5	10.0	
40 Hexachloroethane	117	4.600	4.600	0.000	97	141307	12.5	5.13	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.005	88	1669545	25.0	20.7	
42 Nitrobenzene	77	4.664	4.664	0.000	87	998316	12.5	11.5	
46 Isophorone	82	4.899	4.899	0.000	97	1925568	12.5	12.0	
47 2-Nitrophenol	139	4.974	4.974	0.000	90	283851	12.5	12.3	
48 2,4-Dimethylphenol	107	5.022	5.022	0.000	99	799218	12.5	12.3	
51 Bis(2-chloroethoxy)methane	93	5.119	5.119	0.000	91	1135886	12.5	11.8	
52 2,4-Dichlorophenol	162	5.204	5.204	0.000	92	525199	12.5	12.8	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	712305	5.00	5.00	
57 4-Chloroaniline	127	5.418	5.418	0.000	91	676868	12.5	9.87	
64 Caprolactam	113	5.734	5.739	-0.005	77	57976	12.5	2.84	
66 4-Chloro-3-methylphenol	107	5.889	5.894	-0.005	91	719839	12.5	12.1	
71 Hexachlorocyclopentadiene	237	6.178	6.178	-0.005	94	120373	12.5	4.20	
72 1,2,4,5-Tetrachlorobenzene	216	6.183	6.184	-0.005	98	462211	12.5	9.85	
74 2,4,6-Trichlorophenol	196	6.295	6.296	-0.006	81	392569	12.5	13.3	
75 2,4,5-Trichlorophenol	196	6.328	6.328	-0.005	91	448403	12.5	13.7	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2336798	25.0	21.6	
79 1,1'-Biphenyl	154	6.477	6.477	0.000	96	1400513	12.5	11.2	
80 2-Chloronaphthalene	162	6.488	6.488	-0.005	97	1068968	12.5	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 2-Nitroaniline	138	6.590	6.590	-0.005	72	377056	12.5	12.2	
86 Dimethyl phthalate	163	6.777	6.777	-0.005	96	1052178	12.5	8.77	
88 2,6-Dinitrotoluene	165	6.830	6.825	0.000	80	303799	12.5	12.6	
91 3-Nitroaniline	138	6.980	6.980	-0.005	83	310745	12.5	10.4	
* 92 Acenaphthene-d10	164	7.017	7.017	0.000	95	405093	5.00	5.00	
94 2,4-Dinitrophenol	184	7.082	7.081	-0.005	74	321437	25.0	25.6	
96 4-Nitrophenol	109	7.151	7.151	-0.005	84	330859	25.0	15.2	
99 2,4-Dinitrotoluene	165	7.205	7.204	-0.005	88	428816	12.5	12.4	
100 Dibenzofuran	168	7.210	7.210	-0.005	97	1674745	12.5	11.7	
102 2,3,4,6-Tetrachlorophenol	232	7.328	7.327	-0.005	78	352902	12.5	12.1	
104 Diethyl phthalate	149	7.451	7.450	-0.005	96	1332943	12.5	11.2	
108 4-Chlorophenyl phenyl ether	204	7.547	7.546	-0.005	94	640260	12.5	11.7	
109 4-Nitroaniline	138	7.558	7.557	-0.005	79	335334	12.5	10.6	
110 4,6-Dinitro-2-methylphenol	198	7.590	7.590	-0.005	69	436041	25.0	28.8	
111 N-Nitrosodiphenylamine	169	7.659	7.660	-0.005	98	1014740	10.6	10.6	
$ 113 2,4,6-Tribromophenol	330	7.766	7.760	0.000	94	909387	50.0	48.7	
118 4-Bromophenyl phenyl ether	248	8.007	8.007	-0.005	75	411700	12.5	13.4	
120 Hexachlorobenzene	284	8.055	8.050	0.000	95	487402	12.5	12.8	
122 Atrazine	200	8.178	8.183	-0.005	85	378604	12.5	10.8	
123 Pentachlorophenol	266	8.242	8.248	-0.005	92	566740	25.0	27.6	
* 127 Phenanthrene-d10	188	8.424	8.424	0.000	96	766766	5.00	5.00	
131 Carbazole	167	8.654	8.654	-0.005	96	1940513	12.5	12.5	
133 Di-n-butyl phthalate	149	9.013	9.012	-0.005	99	2217599	12.5	12.4	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	99	758460	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	3157088	25.0	25.2	
146 Butyl benzyl phthalate	149	10.451	10.456	-0.011	91	805556	12.5	9.91	
148 3,3'-Dichlorobenzidine	252	10.992	10.996	-0.010	76	1204052	25.0	19.9	
152 Bis(2-ethylhexyl) phthalate	149	11.098	11.103	-0.011	93	1271810	12.5	11.9	
154 Di-n-octyl phthalate	149	11.901	11.896	-0.005	99	1982744	12.5	10.8	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	644363	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 20-May-2022 07:42:29 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1955.D

Injection Date: 19-May-2022 18:08:24 Instrument ID: HP20296 Operator ID: mem41592

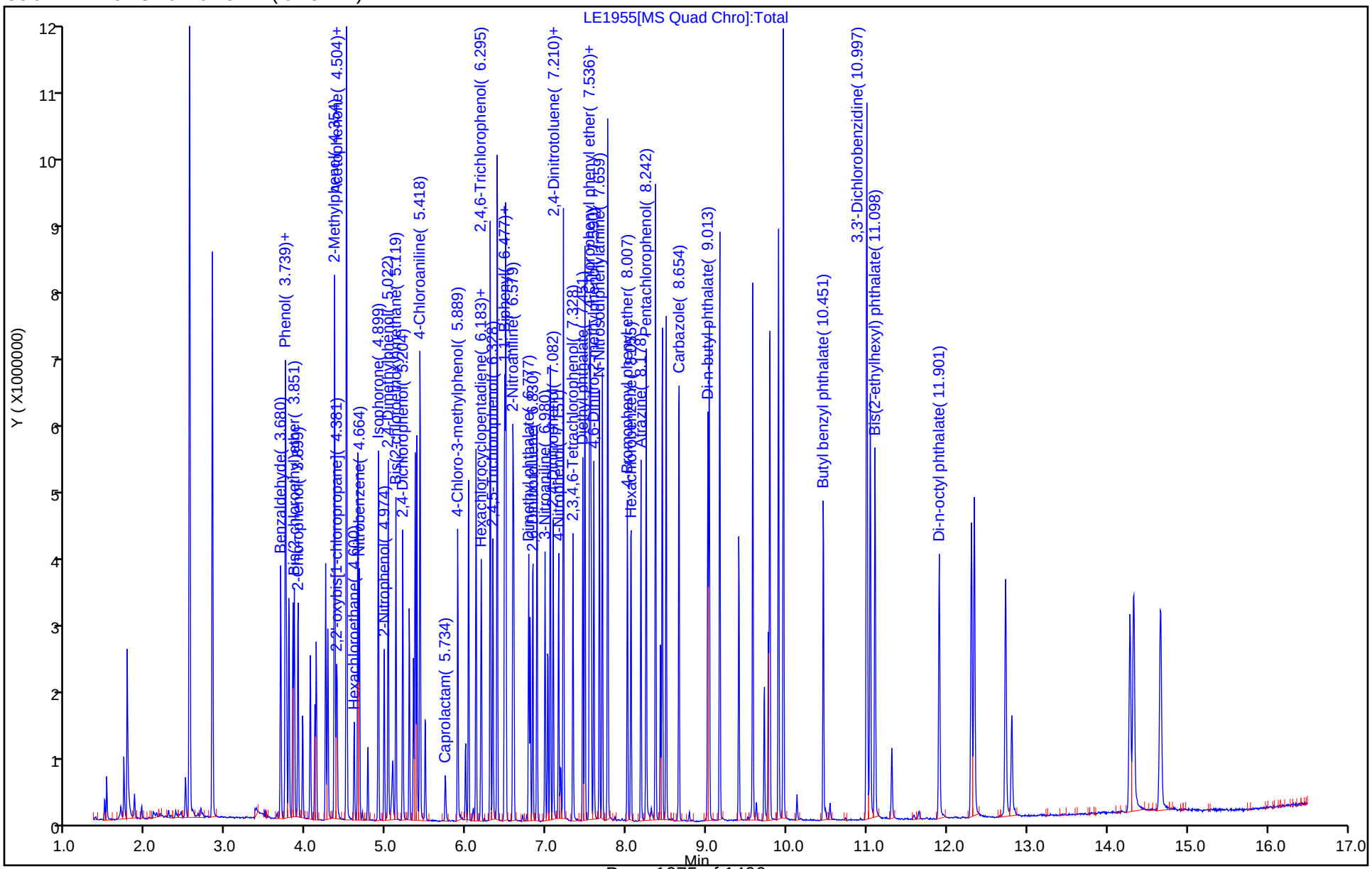
Lims ID: LCS 410-256916/2-A Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSSemi_HP20296 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.18mm (0.18 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1955.D
Lims ID: LCS 410-256916/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-May-2022 18:08:24 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-256916/2-A
Misc. Info.: 410-0057631-006
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:20:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	28.6	57.18
$ 16 Phenol-d5	50.0	20.6	41.21
$ 41 Nitrobenzene-d5	25.0	20.7	82.70
$ 76 2-Fluorobiphenyl (Surr)	25.0	21.6	86.33
$ 113 2,4,6-Tribromophenol	50.0	48.7	97.39
$ 142 p-Terphenyl-d14	25.0	25.2	100.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-256916/3-A

Matrix: Water
Lab File ID: LE1956.D

Analysis Method: 8270D
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 250(mL)
Date Analyzed: 05/19/2022 18:29

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.: 257173
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	51		10	3
51-28-5	2,4-Dinitrophenol	110		30	10
95-57-8	2-Chlorophenol	46		2	0.5
86-74-8	Carbazole	51		2	0.5
108-95-2	Phenol	26		2	0.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	94		10-150
321-60-8	2-Fluorobiphenyl (Surr)	83		44-120
367-12-4	2-Fluorophenol (Surr)	60		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	84		25-125
4165-62-2	Phenol-d5 (Surr)	44		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1956.D
Lims ID: LCSD 410-256916/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 19-May-2022 18:29:31 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-256916/3-A
Misc. Info.: 410-0057631-007
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: mcgowanm Date: 19-May-2022 21:56:42

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	2.829	2.835	-0.006	95	1720993	50.0	29.9	
15 Benzaldehyde	77	3.680	3.680	0.000	91	765329	12.5	9.37	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1977960	50.0	21.9	
17 Phenol	94	3.755	3.755	0.000	97	642420	12.5	6.55	
19 Bis(2-chloroethyl)ether	93	3.851	3.851	0.000	88	875589	12.5	10.9	
20 2-Chlorophenol	128	3.899	3.899	0.000	88	606238	12.5	11.5	
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	96	184029	5.00	5.00	
31 2-Methylphenol	108	4.354	4.354	0.000	96	706889	12.5	11.4	
32 2,2'-oxybis[1-chloropropane]	45	4.380	4.380	0.000	95	1189627	12.5	9.45	
35 Acetophenone	105	4.498	4.503	-0.005	85	1164073	12.5	10.8	
37 N-Nitrosodi-n-propylamine	70	4.503	4.509	-0.006	82	776668	12.5	10.9	
36 4-Methylphenol	108	4.503	4.509	-0.006	82	721996	12.5	10.7	
40 Hexachloroethane	117	4.600	4.600	0.000	95	144884	12.5	5.46	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.006	89	1680332	25.0	21.0	
42 Nitrobenzene	77	4.664	4.664	0.000	86	1033020	12.5	12.1	
46 Isophorone	82	4.899	4.899	0.000	97	1988761	12.5	12.5	
47 2-Nitrophenol	139	4.974	4.974	0.000	89	290953	12.5	12.8	
48 2,4-Dimethylphenol	107	5.022	5.022	0.000	99	819896	12.5	12.7	
51 Bis(2-chloroethoxy)methane	93	5.119	5.119	0.000	93	1201400	12.5	12.6	
52 2,4-Dichlorophenol	162	5.204	5.204	0.000	92	537755	12.5	13.3	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	704326	5.00	5.00	
57 4-Chloroaniline	127	5.418	5.418	0.000	90	722312	12.5	10.6	
64 Caprolactam	113	5.739	5.739	0.000	76	62302	12.5	3.09	
66 4-Chloro-3-methylphenol	107	5.889	5.894	-0.005	92	746873	12.5	12.7	
71 Hexachlorocyclopentadiene	237	6.178	6.178	-0.005	95	128171	12.5	4.35	
72 1,2,4,5-Tetrachlorobenzene	216	6.183	6.184	-0.005	98	455149	12.5	9.44	
74 2,4,6-Trichlorophenol	196	6.295	6.296	-0.006	81	400537	12.5	13.2	
75 2,4,5-Trichlorophenol	196	6.327	6.328	-0.006	93	480654	12.5	14.3	
$ 76 2-Fluorobiphenyl (Surr)	172	6.386	6.381	0.000	100	2307999	25.0	20.7	
79 1,1'-Biphenyl	154	6.477	6.477	0.000	96	1402765	12.5	10.9	
80 2-Chloronaphthalene	162	6.488	6.488	-0.005	97	1064623	12.5	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 2-Nitroaniline	138	6.589	6.590	-0.006	73	390292	12.5	12.3	
86 Dimethyl phthalate	163	6.777	6.777	-0.005	96	958934	12.5	7.78	
88 2,6-Dinitrotoluene	165	6.830	6.825	0.000	82	322608	12.5	13.0	
91 3-Nitroaniline	138	6.980	6.980	-0.005	84	335302	12.5	11.0	
* 92 Acenaphthene-d10	164	7.017	7.017	0.000	94	416331	5.00	5.00	
94 2,4-Dinitrophenol	184	7.081	7.081	-0.006	74	353700	25.0	27.4	
96 4-Nitrophenol	109	7.151	7.151	-0.005	85	356327	25.0	16.0	
99 2,4-Dinitrotoluene	165	7.205	7.204	-0.006	80	440053	12.5	12.4	
100 Dibenzofuran	168	7.210	7.210	-0.005	96	1699804	12.5	11.6	
102 2,3,4,6-Tetrachlorophenol	232	7.328	7.327	-0.005	76	385777	12.5	12.9	
104 Diethyl phthalate	149	7.451	7.450	-0.005	96	1267226	12.5	10.3	
108 4-Chlorophenyl phenyl ether	204	7.547	7.546	-0.005	94	649009	12.5	11.5	
109 4-Nitroaniline	138	7.558	7.557	-0.005	80	362654	12.5	11.2	
110 4,6-Dinitro-2-methylphenol	198	7.590	7.590	-0.005	70	464520	25.0	29.8	
111 N-Nitrosodiphenylamine	169	7.659	7.660	-0.005	97	1033221	10.6	10.4	
$ 113 2,4,6-Tribromophenol	330	7.766	7.760	0.000	94	899728	50.0	46.9	
118 4-Bromophenyl phenyl ether	248	8.007	8.007	-0.005	75	394236	12.5	12.4	
120 Hexachlorobenzene	284	8.055	8.050	0.000	96	510594	12.5	13.0	
122 Atrazine	200	8.178	8.183	-0.005	85	401863	12.5	11.2	
123 Pentachlorophenol	266	8.242	8.248	-0.005	92	605983	25.0	28.6	
* 127 Phenanthrene-d10	188	8.424	8.424	0.000	97	789821	5.00	5.00	
131 Carbazole	167	8.654	8.654	-0.005	96	2025287	12.5	12.6	
133 Di-n-butyl phthalate	149	9.012	9.012	-0.006	99	2273733	12.5	12.3	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.006	98	762186	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.959	9.959	-0.005	97	3215962	25.0	25.5	
146 Butyl benzyl phthalate	149	10.456	10.456	-0.006	93	800179	12.5	9.80	
148 3,3'-Dichlorobenzidine	252	10.997	10.996	-0.005	75	1356780	25.0	22.3	
152 Bis(2-ethylhexyl) phthalate	149	11.098	11.103	-0.011	92	1305762	12.5	12.2	
154 Di-n-octyl phthalate	149	11.901	11.896	-0.005	99	2027676	12.5	11.0	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	645899	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

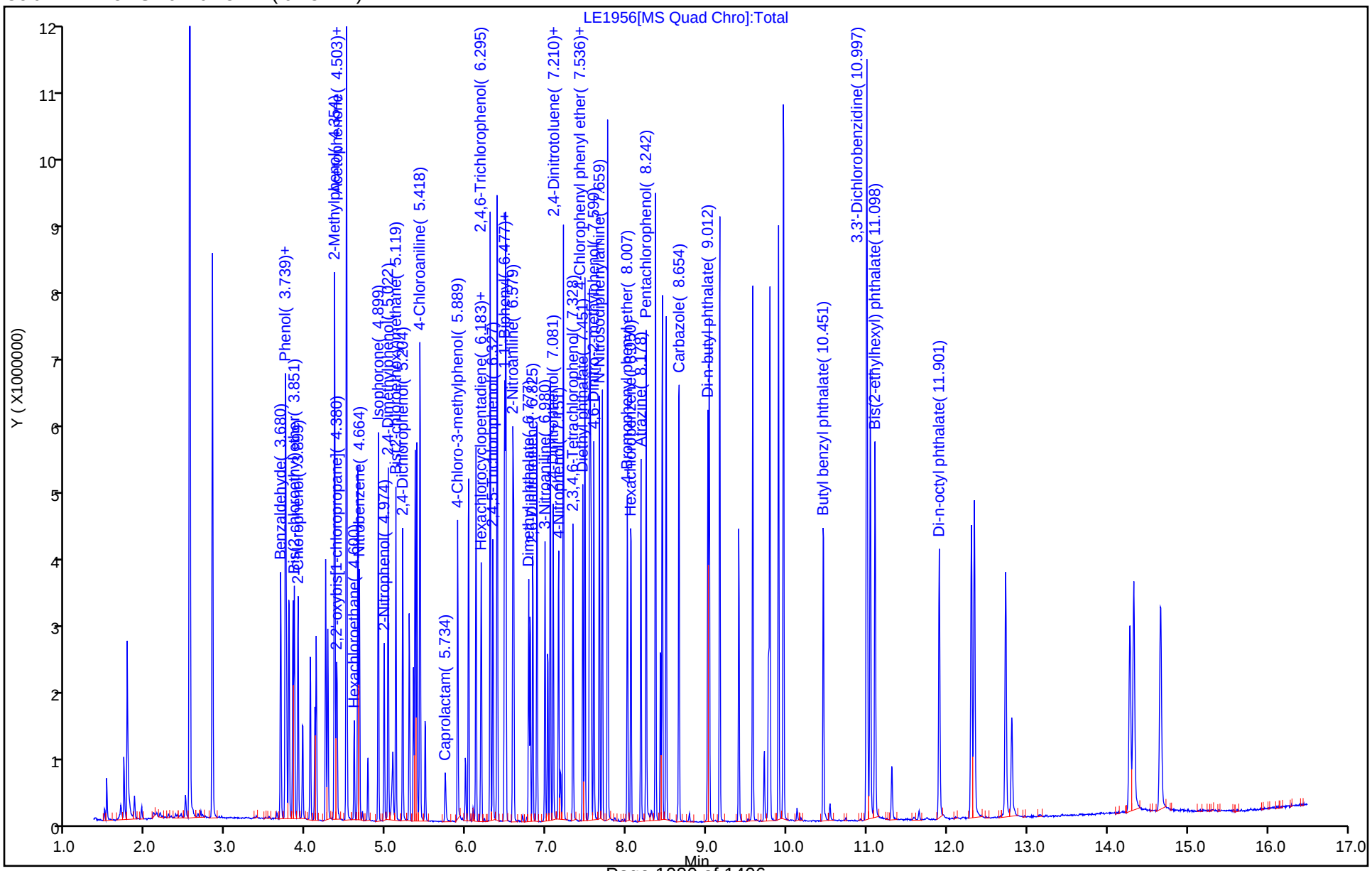
Report Date: 20-May-2022 07:42:32 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1956.D

Injection Date:	19-May-2022 18:29:31	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	LCSD 410-256916/3-A			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)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1956.D
Lims ID: LCSD 410-256916/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 19-May-2022 18:29:31 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-256916/3-A
Misc. Info.: 410-0057631-007
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: mcgowanm Date: 19-May-2022 21:56:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	29.9	59.76
$ 16 Phenol-d5	50.0	21.9	43.85
$ 41 Nitrobenzene-d5	25.0	21.0	84.18
$ 76 2-Fluorobiphenyl (Surr)	25.0	20.7	82.97
$ 113 2,4,6-Tribromophenol	50.0	46.9	93.76
$ 142 p-Terphenyl-d14	25.0	25.5	102.13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MS_052022 MS
Lab Sample ID: 410-84076-1 MS

Matrix: Water
Lab File ID: LE1973.D

Analysis Method: 8270D
Date Collected: 05/12/2022 09:22

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 241.4(mL)
Date Analyzed: 05/20/2022 00:27

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.: 257173
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	46		10	3
51-28-5	2,4-Dinitrophenol	89		30	10
95-57-8	2-Chlorophenol	43		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)	85		10-150
321-60-8	2-Fluorobiphenyl (Surr)	76		44-120
367-12-4	2-Fluorophenol (Surr)	54		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		25-125
4165-62-2	Phenol-d5 (Surr)	39		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		37-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1973.D
Lims ID: 410-84076-A-1-A MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 20-May-2022 00:27:40 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-A-1-A MS
Misc. Info.: 410-0057631-018
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:34:55

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	2.830	2.835	-0.005	96	1732180	50.0	27.1	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	99	1938617	50.0	19.4	
17 Phenol	94	3.755	3.755	0.000	97	640171	12.5	5.89	
20 2-Chlorophenol	128	3.899	3.899	0.000	87	602002	12.5	10.3	
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	97	203932	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.643	4.648	-0.005	89	1573442	25.0	17.8	
48 2,4-Dimethylphenol	107	5.022	5.022	0.000	98	788269	12.5	11.1	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	779023	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	2195738	25.0	19.0	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	94	433141	5.00	5.00	
94 2,4-Dinitrophenol	184	7.082	7.081	-0.005	74	288789	25.0	21.5	
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	93	847886	50.0	42.5	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	811359	5.00	5.00	
131 Carbazole	167	8.649	8.654	-0.010	96	1809968	12.5	11.0	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	98	780464	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	3001377	25.0	23.3	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	609044	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

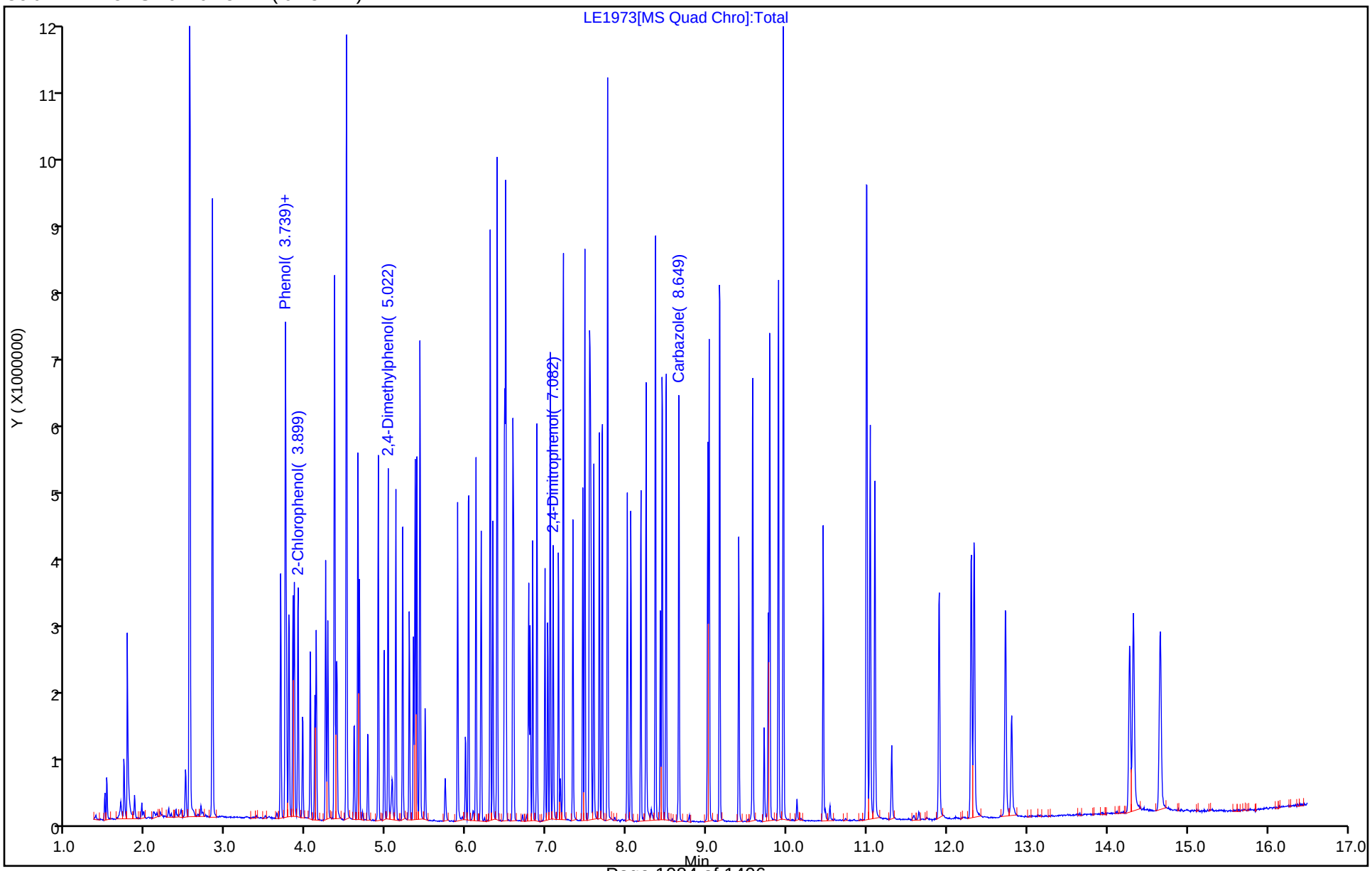
MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 20-May-2022 07:41:59 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1973.D				
Injection Date:	20-May-2022 00:27:40	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-A-1-A MS			Worklist Smp#:	18
Client ID:	FBW001_MS_052022				
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\20220519-57631.b\LE1973.D
Lims ID: 410-84076-A-1-A MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 20-May-2022 00:27:40 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-A-1-A MS
Misc. Info.: 410-0057631-018
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:34:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	27.1	54.27
$ 16 Phenol-d5	50.0	19.4	38.79
$ 41 Nitrobenzene-d5	25.0	17.8	71.27
$ 76 2-Fluorobiphenyl (Surr)	25.0	19.0	75.87
$ 113 2,4,6-Tribromophenol	50.0	42.5	84.93
$ 142 p-Terphenyl-d14	25.0	23.3	93.09

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MSD_052022 MSD
Lab Sample ID: 410-84076-1 MSD

Matrix: Water
Lab File ID: LE1974.D

Analysis Method: 8270D
Date Collected: 05/12/2022 09:22

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:46

Sample wt/vol: 246.4(mL)
Date Analyzed: 05/20/2022 00:48

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.: 257173
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	54		10	3
51-28-5	2,4-Dinitrophenol	79		30	10
95-57-8	2-Chlorophenol	48		2	0.5
86-74-8	Carbazole	52		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)	98		10-150
321-60-8	2-Fluorobiphenyl (Surr)	92		44-120
367-12-4	2-Fluorophenol (Surr)	63		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	89		25-125
4165-62-2	Phenol-d5 (Surr)	45		10-120
1718-51-0	p-Terphenyl-d14 (Surr)	100		37-120

Report Date: 20-May-2022 07:42:03 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1974.D
Lims ID: 410-84076-A-1-B MSD
Client ID: FBW001_MSD_052022
Sample Type: MSD
Inject. Date: 20-May-2022 00:48:44 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-A-1-B MSD
Misc. Info.: 410-0057631-019
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:03

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	2.830	2.835	-0.005	95	2338634	50.0	31.4	
$ 16 Phenol-d5	99	3.739	3.744	-0.005	98	2639183	50.0	22.7	
17 Phenol	94	3.755	3.755	0.000	97	873619	12.5	6.89	
20 2-Chlorophenol	128	3.899	3.899	0.000	88	812206	12.5	11.9	
* 24 1,4-Dichlorobenzene-d4	152	4.108	4.108	0.000	97	237675	5.00	5.00	
$ 41 Nitrobenzene-d5	82	4.648	4.648	0.000	89	2265361	25.0	22.2	
48 2,4-Dimethylphenol	107	5.022	5.022	0.000	98	1096834	12.5	13.3	
* 55 Naphthalene-d8	136	5.338	5.338	0.000	98	898809	5.00	5.00	
$ 76 2-Fluorobiphenyl (Surr)	172	6.381	6.381	-0.005	99	3048577	25.0	23.1	
* 92 Acenaphthene-d10	164	7.012	7.017	-0.005	94	493389	5.00	5.00	
94 2,4-Dinitrophenol	184	7.082	7.081	-0.005	74	298775	25.0	19.5	
$ 113 2,4,6-Tribromophenol	330	7.761	7.760	-0.005	92	1110380	50.0	48.8	
* 127 Phenanthrene-d10	188	8.419	8.424	-0.005	96	892274	5.00	5.00	
131 Carbazole	167	8.649	8.654	-0.010	96	2305123	12.5	12.7	
* 140 Pyrene-d10 (IS)	212	9.767	9.772	-0.005	99	843510	5.00	5.00	
$ 142 p-Terphenyl-d14	244	9.954	9.959	-0.010	97	3474144	25.0	24.9	
* 159 Perylene-d12	264	12.805	12.815	-0.010	97	603257	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00022 Amount Added: 20.00 Units: uL Run Reagent

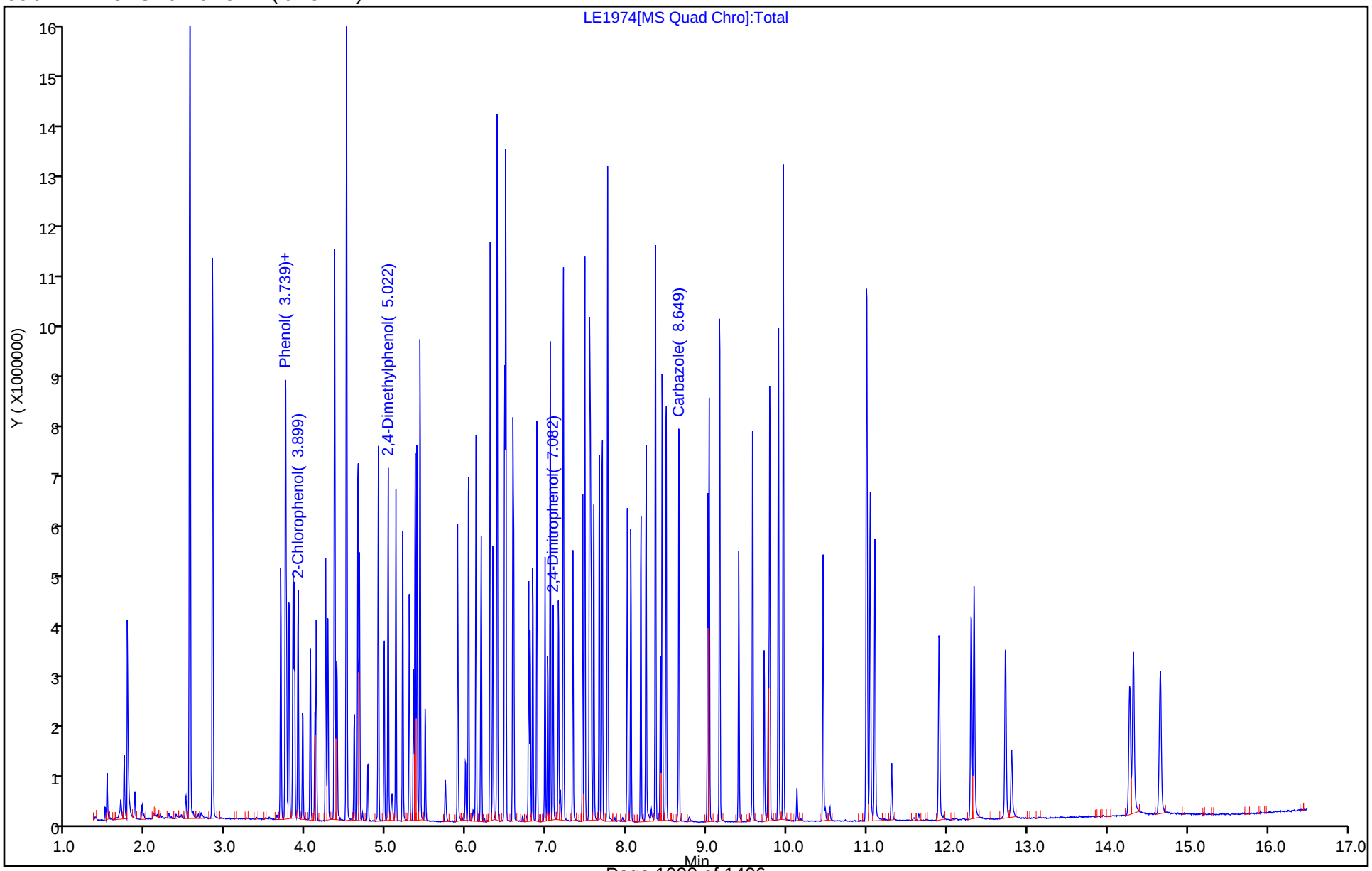
Report Date: 20-May-2022 07:42:03 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1974.D

Injection Date:	20-May-2022 00:48:44	Instrument ID:	HP20296	Operator ID:	mem41592
Lims ID:	410-84076-A-1-B MSD			Worklist Smp#:	19
Client ID:	FBW001_MSD_052022				
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\20220519-57631.b\LE1974.D
Lims ID: 410-84076-A-1-B MSD
Client ID: FBW001_MSD_052022
Sample Type: MSD
Inject. Date: 20-May-2022 00:48:44 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-A-1-B MSD
Misc. Info.: 410-0057631-019
Operator ID: mem41592 Instrument ID: HP20296

Method: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\MSSemi_HP20296.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 20-May-2022 07:41:49 Calib Date: 19-May-2022 18:50:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP20296\20220519-57631.b\LE1957.D

Column 1 : DB-5MS 20m 0.18mm (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: bauera Date: 20-May-2022 07:35:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	50.0	31.4	62.87
$ 16 Phenol-d5	50.0	22.7	45.30
$ 41 Nitrobenzene-d5	25.0	22.2	88.93
$ 76 2-Fluorobiphenyl (Surr)	25.0	23.1	92.47
$ 113 2,4,6-Tribromophenol	50.0	48.8	97.64
$ 142 p-Terphenyl-d14	25.0	24.9	99.70

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Start Date: 05/01/2022 15:50

Analysis Batch Number: 250389 End Date: 05/01/2022 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-250389/1		05/01/2022 15:50	1	LE0150.D	DB-5MS 20m 0.18 0.18(mm)
ICIS 410-250389/2		05/01/2022 17:10	1	LE0151a.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/3		05/01/2022 17:47	1	LE0152.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/4		05/01/2022 18:08	1	LE0153.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/5		05/01/2022 18:29	1	LE0154.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/6		05/01/2022 18:50	1	LE0155.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/7		05/01/2022 20:04	1	LE0156.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/8		05/01/2022 20:25	1	LE0157.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-250389/9		05/01/2022 20:46	1	LE0158.D	DB-5MS 20m 0.18 0.18(mm)
ICVL 410-250389/10		05/01/2022 21:07	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Start Date: 05/02/2022 11:11

Analysis Batch Number: 250639 End Date: 05/02/2022 15:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-250639/1		05/02/2022 11:11	1	LE0200.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-250639/2		05/02/2022 11:28	1		DB-5MS 20m 0.18 0.18(mm)
ICVL 410-250639/11		05/02/2022 12:15	1		DB-5MS 20m 0.18 0.18(mm)
ICV 410-250639/12		05/02/2022 12:36	1	LE0203.D	DB-5MS 20m 0.18 0.18(mm)
ICV 410-250639/13		05/02/2022 13:17	1	LE0204a.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/02/2022 13:46	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/02/2022 14:07	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/02/2022 14:28	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/02/2022 14:49	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/02/2022 15:10	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP20296 Start Date: 05/19/2022 15:54

Analysis Batch Number: 257173 End Date: 05/20/2022 02:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-257173/1		05/19/2022 15:54	1	LE1950a.D	DB-5MS 20m 0.18 0.18(mm)
CCVIS 410-257173/2		05/19/2022 16:11	1	LE1951a.D	DB-5MS 20m 0.18 0.18(mm)
CCV 410-257173/4		05/19/2022 17:05	1		DB-5MS 20m 0.18 0.18(mm)
CCV 410-257173/29		05/19/2022 17:26	1		DB-5MS 20m 0.18 0.18(mm)
MB 410-256916/1-A		05/19/2022 17:47	1	LE1954.D	DB-5MS 20m 0.18 0.18(mm)
LCS 410-256916/2-A		05/19/2022 18:08	1	LE1955.D	DB-5MS 20m 0.18 0.18(mm)
LCSD 410-256916/3-A		05/19/2022 18:29	1	LE1956.D	DB-5MS 20m 0.18 0.18(mm)
IC 410-257173/31		05/19/2022 18:50	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 19:11	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 19:32	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 19:54	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 20:15	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 22:00	1		DB-5MS 20m 0.18 0.18(mm)
CCVC 410-257173/34		05/19/2022 23:03	1		DB-5MS 20m 0.18 0.18(mm)
CCVC 410-257173/35		05/19/2022 23:24	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/19/2022 23:45	1		DB-5MS 20m 0.18 0.18(mm)
410-84076-1	FBW001_052022	05/20/2022 00:06	1	LE1972.D	DB-5MS 20m 0.18 0.18(mm)
410-84076-1 MS	FBW001_MS_052022 MS	05/20/2022 00:27	1	LE1973.D	DB-5MS 20m 0.18 0.18(mm)
410-84076-1 MSD	FBW001_MSD_052022 MSD	05/20/2022 00:48	1	LE1974.D	DB-5MS 20m 0.18 0.18(mm)
410-84076-4	FBS010_052022	05/20/2022 01:09	1	LE1975.D	DB-5MS 20m 0.18 0.18(mm)
410-84076-5	FBS010_DUP-1_052022	05/20/2022 01:30	1	LE1976.D	DB-5MS 20m 0.18 0.18(mm)
410-84076-3	FBW001_FB_052022	05/20/2022 01:51	1	LE1977.D	DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/20/2022 02:12	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/20/2022 02:33	1		DB-5MS 20m 0.18 0.18(mm)
ZZZZZ		05/20/2022 02:54	1		DB-5MS 20m 0.18 0.18(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 250389 Batch Start Date: 05/01/22 15:50 Batch Analyst: Bauer, Anthony

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	MSS_RV8270_1 00022	MSS_RV8270_2 00021	MSS_RV8270_3 00020	MSS_RV8270_4 00020	MSS_RV8270_5 00028
DFTPP 410-250389/1		8270D		Perform Calculation left blank					
ICIS 410-250389/2		8270D		Perform Calculation left blank					
IC 410-250389/3		8270D		Perform Calculation left blank					
IC 410-250389/4		8270D		Perform Calculation left blank					
IC 410-250389/5		8270D		Perform Calculation left blank					1 mL
IC 410-250389/6		8270D		Perform Calculation left blank				1 mL	
IC 410-250389/7		8270D		Perform Calculation left blank			1 mL		
IC 410-250389/8		8270D		Perform Calculation left blank		1 mL			
IC 410-250389/9		8270D		Perform Calculation left blank	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_6 00027	MSS_RV8270_7 00021	MSS_RV8270_8 00022	MSS_RVDFTPP 00009		
DFTPP 410-250389/1		8270D					1 mL		
ICIS 410-250389/2		8270D		1 mL					
IC 410-250389/3		8270D				1 mL			
IC 410-250389/4		8270D			1 mL				
IC 410-250389/5		8270D							
IC 410-250389/6		8270D							
IC 410-250389/7		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.: 410-84076-1

SDG No.:

Batch Number: 250389 Batch Start Date: 05/01/22 15:50 Batch Analyst: Bauer, Anthony

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RV8270_6 00027	MSS_RV8270_7 00021	MSS_RV8270_8 00022	MSS_RVDFTPP 00009		
IC 410-250389/8		8270D							
IC 410-250389/9		8270D							

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.: 410-84076-1

SDG No.:

Batch Number: 250639 Batch Start Date: 05/02/22 11:11 Batch Analyst: Bauer, Anthony

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	MSS_RV8270ICV 00017	MSS_RVBAS_ICV 00010	MSS_RVDFTPP 00009		
DFTPP 410-250639/1		8270D		Perform Calculation left blank			1 mL		
ICV 410-250639/12		8270D		Perform Calculation left blank	1 mL				
ICV 410-250639/13		8270D		Perform Calculation left blank		1 mL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 256916 Batch Start Date: 05/19/22 09:46 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 05/19/22 13:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-256916/1		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
LCS 410-256916/2		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
LCSD 410-256916/3		3510C, 8270D				n/a	250 mL	1 mL	n/a SU
410-84076-A-1 MS	FBW001_MS_052022	3510C, 8270D	T	409.28 g	167.86 g	n/a	241.4 mL	1 mL	n/a SU
410-84076-A-1 MSD	FBW001_MSD_052022	3510C, 8270D	T	413.11 g	166.68 g	n/a	246.4 mL	1 mL	n/a SU
410-84076-B-1	FBW001_052022	3510C, 8270D	T	411.74 g	167.99 g	n/a	243.8 mL	1 mL	n/a SU
410-84076-A-3	FBW001_FB_052022	3510C, 8270D	T	400.52 g	167.89 g	n/a	232.6 mL	1 mL	n/a SU
410-84076-B-4	FBS010_052022	3510C, 8270D	T	410.42 g	164.20 g	n/a	246.2 mL	1 mL	n/a SU
410-84076-B-5	FBS010_DUP-1_052022	3510C, 8270D	T	406.68 g	164.59 g	n/a	242.1 mL	1 mL	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00060	OP_MINLCS1_MS 00115	OP_MINLCS2_MS 00067
MB 410-256916/1		3510C, 8270D		>11 SU	<2 SU	n	1 mL		
LCS 410-256916/2		3510C, 8270D		>11 SU	<2 SU	n	1 mL	1 mL	1 mL
LCSD 410-256916/3		3510C, 8270D		>11 SU	<2 SU	n	1 mL	1 mL	1 mL
410-84076-A-1 MS	FBW001_MS_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL	1 mL	1 mL
410-84076-A-1 MSD	FBW001_MSD_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL	1 mL	1 mL
410-84076-B-1	FBW001_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL		
410-84076-A-3	FBW001_FB_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL		
410-84076-B-4	FBS010_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL		
410-84076-B-5	FBS010_DUP-1_052022	3510C, 8270D	T	>11 SU	<2 SU	n	1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-256916/1		3510C, 8270D		tap H20					
LCS 410-256916/2		3510C, 8270D		tap H20					

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.: 410-84076-1

SDG No.:

Batch Number: 256916 Batch Start Date: 05/19/22 09:46 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 05/19/22 13:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCSD 410-256916/3		3510C, 8270D		tap H20					
410-84076-A-1 MS	FBW001_MS_052022	3510C, 8270D	T	clear					
410-84076-A-1 MSD	FBW001_MSD_052022	3510C, 8270D	T	clear					
410-84076-B-1	FBW001_052022	3510C, 8270D	T	clear					
410-84076-A-3	FBW001_FB_052022	3510C, 8270D	T	clear					
410-84076-B-4	FBS010_052022	3510C, 8270D	T	clear					
410-84076-B-5	FBS010_DUP-1_052022	3510C, 8270D	T	clear					

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	AGC40572, CNG41579
Analyst ID - Spike Analyst	AGC40572, CNG41579
Acid Used for pH Adjustment ID	H2SO4:2021102693
Base Used to Adjust pH ID	NaOH:4103D49
Prep Solvent ID	MeCl2:221499
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22137A
Analyst ID - Concentration	AGC40572, CNG41579
Equipment ID - Concentration 1	RapidVap#3,1,2,4
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	split with batch 256915

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.: 410-84076-1

SDG No.:

Batch Number: 257173 Batch Start Date: 05/19/22 15:54 Batch Analyst: Bauer, Anthony

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	MSS_RV8270_6 00027	MSS_RV8270_IS 00022	MSS_RVDFTPP 00009		
DFTPP 410-257173/1		8270D		Perform Calculation left blank			1 mL		
CCVIS 410-257173/2		8270D		Perform Calculation left blank	1 mL				
MB 410-256916/1-A		8270D		Perform Calculation left blank		20 uL			
LCS 410-256916/2-A		8270D		Perform Calculation left blank		20 uL			
LCSD 410-256916/3-A		8270D		Perform Calculation left blank		20 uL			
410-84076-B-1-D	FBW001_052022	8270D	T	Perform Calculation left blank		20 uL			
410-84076-A-1-A MS	FBW001_MS_052022	8270D	T	Perform Calculation left blank		20 uL			
410-84076-A-1-B MSD	FBW001_MSD_052022	8270D	T	Perform Calculation left blank		20 uL			
410-84076-B-4-B	FBS010_052022	8270D	T	Perform Calculation left blank		20 uL			
410-84076-B-5-B	FBS010_DUP-1_052022	8270D	T	Perform Calculation left blank		20 uL			
410-84076-A-3-B	FBW001_FB_052022	8270D	T	Perform Calculation left blank		20 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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.: 410-84076-1

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 #
FBW001_052022	410-84076-1	58 cn	68 cn	62 cn
FBW001_FB_052022	410-84076-3	69	69	72
FBS010_052022	410-84076-4	65 cn	70 cn	63 cn
FBS010_DUP-1_052022	410-84076-5	62 cn	68 cn	64 cn
	MB 410-256915/1-A	69	72	73
	LCS 410-256915/2-A	62	73	81
	LCSD 410-256915/3-A	62	71	76
FBW001_MS_052022 MS	410-84076-1 MS	67	78	78
FBW001_MSD_052022 MSD	410-84076-1 MSD	66	73	73

	QC LIMITS
MNPd10 = 1-Methylnaphthalene-d10 (Surr)	36-111
FLN10 = Fluoranthene-d10 (Surr)	47-128
BAPd12 = Benzo(a)pyrene-d12 (Surr)	10-110

Column to be used to flag recovery values

FORM II 8270D SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0553.D

Lab ID: LCS 410-256915/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.415	42	23-120	
1-Methylnaphthalene	1.00	0.607	61	23-124	
2-Methylnaphthalene	1.00	0.585	58	20-133	
Acenaphthene	1.00	0.697	70	42-120	
Acenaphthylene	1.00	0.672	67	49-120	
Anthracene	1.00	0.726	73	54-121	
Benzo[a]anthracene	1.00	0.777	78	61-122	
Benzo[a]pyrene	1.00	0.726	73	60-120	
Benzo[b]fluoranthene	1.00	0.872	87	58-122	
Benzo[g,h,i]perylene	1.00	0.702	70	50-120	
Benzo[k]fluoranthene	1.00	0.768	77	57-128	
Bis(2-chloroethyl)ether	1.00	0.703	70	59-130	
Bis(2-ethylhexyl) phthalate	1.00	0.950 J	95	14-155	
Butylbenzylphthalate	1.00	0.889 J	89	10-120	
Chrysene	1.00	0.699	70	55-123	
Dibenz(a,h)anthracene	1.00	0.713	71	50-121	
Dibenzofuran	1.00	0.735	73	48-124	
Diethylphthalate	1.00	0.948 J	95	38-120	
Dimethylphthalate	1.00	0.860 J	86	10-121	
Di-n-butyl phthalate	1.00	1.06	106	46-125	
Di-n-octyl phthalate	1.00	0.921 J	92	22-130	
Fluoranthene	1.00	0.763	76	61-123	
Fluorene	1.00	0.716	72	55-120	
Hexachlorobenzene	1.00	0.621	62	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.790	79	47-143	
Naphthalene	1.00	0.572	57	20-120	
N-Nitrosodimethylamine	1.00	0.644	64	37-120	
Phenanthrene	1.00	0.713	71	59-120	
Pyrene	1.00	0.682	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 DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0554.D

Lab ID: LCSD 410-256915/3-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	0.509	51	20	30	23-120	
1-Methylnaphthalene	1.00	0.615	61	1	30	23-124	
2-Methylnaphthalene	1.00	0.570	57	3	30	20-133	
Acenaphthene	1.00	0.706	71	1	30	42-120	
Acenaphthylene	1.00	0.673	67	0	30	49-120	
Anthracene	1.00	0.715	72	1	30	54-121	
Benzo[a]anthracene	1.00	0.803	80	3	30	61-122	
Benzo[a]pyrene	1.00	0.736	74	1	30	60-120	
Benzo[b]fluoranthene	1.00	0.886	89	2	30	58-122	
Benzo[g,h,i]perylene	1.00	0.733	73	4	30	50-120	
Benzo[k]fluoranthene	1.00	0.775	78	1	30	57-128	
Bis(2-chloroethyl)ether	1.00	0.707	71	1	30	59-130	
Bis(2-ethylhexyl) phthalate	1.00	0.944 J	94	1	30	14-155	
Butylbenzylphthalate	1.00	0.779 J	78	13	30	10-120	
Chrysene	1.00	0.713	71	2	30	55-123	
Dibenz(a,h)anthracene	1.00	0.745	75	4	30	50-121	
Dibenzofuran	1.00	0.745	74	1	30	48-124	
Diethylphthalate	1.00	0.896 J	90	6	30	38-120	
Dimethylphthalate	1.00	0.729 J	73	16	30	10-121	
Di-n-butyl phthalate	1.00	1.02	102	3	30	46-125	
Di-n-octyl phthalate	1.00	0.937 J	94	2	30	22-130	
Fluoranthene	1.00	0.751	75	2	30	61-123	
Fluorene	1.00	0.720	72	1	30	55-120	
Hexachlorobenzene	1.00	0.606	61	2	30	20-120	
Indeno[1,2,3-cd]pyrene	1.00	0.804	80	2	30	47-143	
Naphthalene	1.00	0.586	59	2	30	20-120	
N-Nitrosodimethylamine	1.00	0.686	69	6	30	37-120	
Phenanthrene	1.00	0.707	71	1	30	59-120	
Pyrene	1.00	0.683	68	0	30	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0578.D

Lab ID: 410-84076-1 MS Client ID: FBW001_MS_052022 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.01	ND	0.550	54	23-120	
1-Methylnaphthalene	1.01	ND	0.689	68	23-124	
2-Methylnaphthalene	1.01	ND	0.645	64	20-133	
Acenaphthene	1.01	ND	0.800	79	42-120	
Acenaphthylene	1.01	ND	0.741	73	49-120	
Anthracene	1.01	ND	0.820	81	54-121	
Benzo[a]anthracene	1.01	ND	0.863	85	61-122	
Benzo[a]pyrene	1.01	ND	0.769	76	60-120	
Benzo[b]fluoranthene	1.01	ND	0.970	96	58-122	
Benzo[g,h,i]perylene	1.01	ND	0.724	72	50-120	
Benzo[k]fluoranthene	1.01	ND	0.825	82	57-128	
Bis(2-chloroethyl)ether	1.01	ND	0.746	74	59-130	
Bis(2-ethylhexyl) phthalate	1.01	ND	1.04	103	14-155	
Butylbenzylphthalate	1.01	ND	0.703 J	70	10-120	
Chrysene	1.01	ND	0.799	79	55-123	
Dibenz(a,h)anthracene	1.01	ND	0.717	71	50-121	
Dibenzofuran	1.01	ND	0.798	79	48-124	
Diethylphthalate	1.01	ND	0.917 J	91	38-120	
Dimethylphthalate	1.01	ND	0.676 J	67	10-121	
Di-n-butyl phthalate	1.01	ND	1.17	115	46-125	
Di-n-octyl phthalate	1.01	ND	0.990 J	98	22-130	
Fluoranthene	1.01	ND	0.858	85	61-123	
Fluorene	1.01	ND	0.795	79	55-120	
Hexachlorobenzene	1.01	ND	0.760	75	20-120	
Indeno[1,2,3-cd]pyrene	1.01	ND	0.770	76	47-143	
Naphthalene	1.01	ND	0.597	59	20-120	
N-Nitrosodimethylamine	1.01	ND	0.748	74	37-120	
Phenanthrene	1.01	ND	0.816	81	59-120	
Pyrene	1.01	ND	0.764	76	46-122	

Column to be used to flag recovery and RPD values

FORM III 8270D SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NE0579.D

Lab ID: 410-84076-1 MSD Client ID: FBW001_MSD_052022 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.01	0.515	51	7	30	23-120	
1-Methylnaphthalene	1.01	0.668	66	3	30	23-124	
2-Methylnaphthalene	1.01	0.629	62	3	30	20-133	
Acenaphthene	1.01	0.693	68	14	30	42-120	
Acenaphthylene	1.01	0.705	70	5	30	49-120	
Anthracene	1.01	0.738	73	10	30	54-121	
Benzo[a]anthracene	1.01	0.781	77	10	30	61-122	
Benzo[a]pyrene	1.01	0.722	71	6	30	60-120	
Benzo[b]fluoranthene	1.01	0.870	86	11	30	58-122	
Benzo[g,h,i]perylene	1.01	0.686	68	5	30	50-120	
Benzo[k]fluoranthene	1.01	0.756	75	9	30	57-128	
Bis(2-chloroethyl)ether	1.01	0.701	69	6	30	59-130	
Bis(2-ethylhexyl) phthalate	1.01	0.924 J	91	12	30	14-155	
Butylbenzylphthalate	1.01	0.663 J	65	6	30	10-120	
Chrysene	1.01	0.733	72	9	30	55-123	
Dibenz(a,h)anthracene	1.01	0.668	66	7	30	50-121	
Dibenzofuran	1.01	0.777	77	3	30	48-124	
Diethylphthalate	1.01	0.883 J	87	4	30	38-120	
Dimethylphthalate	1.01	0.660 J	65	2	30	10-121	
Di-n-butyl phthalate	1.01	1.05	104	10	30	46-125	
Di-n-octyl phthalate	1.01	0.902 J	89	9	30	22-130	
Fluoranthene	1.01	0.771	76	11	30	61-123	
Fluorene	1.01	0.757	75	5	30	55-120	
Hexachlorobenzene	1.01	0.722	71	5	30	20-120	
Indeno[1,2,3-cd]pyrene	1.01	0.719	71	7	30	47-143	
Naphthalene	1.01	0.581	57	3	30	20-120	
N-Nitrosodimethylamine	1.01	0.691	68	8	30	37-120	
Phenanthrene	1.01	0.745	74	9	30	59-120	
Pyrene	1.01	0.703	69	8	30	46-122	

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.: 410-84076-1

SDG No.:

Lab File ID: NE0552.D Lab Sample ID: MB 410-256915/1-A

Matrix: Water Date Extracted: 05/19/2022 09:47

Instrument ID: HP23263 Date Analyzed: 05/20/2022 18:20

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-256915/2-A	NE0553.D	05/20/2022 18:41
	LCSD 410-256915/3-A	NE0554.D	05/20/2022 19:03
FBW001_052022	410-84076-1	NE0577.D	05/21/2022 03:21
FBW001_MS_052022 MS	410-84076-1 MS	NE0578.D	05/21/2022 03:43
FBW001_MSD_052022 MSD	410-84076-1 MSD	NE0579.D	05/21/2022 04:04
FBS010_052022	410-84076-4	NE0580.D	05/21/2022 04:26
FBS010_DUP-1_052022	410-84076-5	NE0581.D	05/21/2022 04:48
FBW001_FB_052022	410-84076-3	ME1308.D	05/23/2022 10:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

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 410-257639/4	ME1252.D	05/20/2022	20:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: ME1200.D DFTPP Injection Date: 05/20/2022

Instrument ID: HP21585 DFTPP Injection Time: 07:00

Analysis Batch No.: 257357

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	78.8	
68	Less than 2% of mass 69	1.4	(1.6) 1
69	Mass 69 Relative abundance	86.2	
70	Less than 2% of mass 69	0.6	(0.7) 1
127	10-80% of Base Peak	65.6	
197	Less than 2% of mass 198	1.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	24.5	
365	Greater than 1% of mass 198	5.1	
441	present but less than 24% of mass 442	9.9	(16.5) 2
442	Greater than 50% of mass 198	59.9	
443	15-24% of mass 442	11.2	(18.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-257357/2	ME1201.D	05/20/2022	7:20
	IC 410-257357/3	ME1202.D	05/20/2022	7:41
	IC 410-257357/4	ME1203.D	05/20/2022	8:03
	IC 410-257357/5	ME1204.D	05/20/2022	8:24
	IC 410-257357/6	ME1205.D	05/20/2022	8:46
	IC 410-257357/7	ME1206.D	05/20/2022	9:08
	ICV 410-257357/9	ME1208a.D	05/20/2022	10:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: ME1300.D DFTPP Injection Date: 05/23/2022

Instrument ID: HP21585 DFTPP Injection Time: 07:30

Analysis Batch No.: 257935

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	79.9	
68	Less than 2% of mass 69	1.3	(1.5) 1
69	Mass 69 Relative abundance	87.1	
70	Less than 2% of mass 69	0.5	(0.6) 1
127	10-80% of Base Peak	68.2	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	23.9	
365	Greater than 1% of mass 198	5.7	
441	present but less than 24% of mass 442	10.6	(17.5) 2
442	Greater than 50% of mass 198	60.6	
443	15-24% of mass 442	10.9	(18.0) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-257935/2	ME1301.D	05/23/2022	7:47
FBW001_FB_052022	410-84076-3	ME1308.D	05/23/2022	10:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: ND1400.D DFTPP Injection Date: 04/29/2022

Instrument ID: HP23263 DFTPP Injection Time: 14:24

Analysis Batch No.: 250058

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	62.1	
68	Less than 2% of mass 69	1.2	(1.8) 1
69	Mass 69 Relative abundance	65.6	
70	Less than 2% of mass 69	0.4	(0.5) 1
127	10-80% of Base Peak	60.9	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	25.8	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	10.6	(16.1) 2
442	Greater than 50% of mass 198	66.2	
443	15-24% of mass 442	13.3	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-250058/2	ND1401.D	04/29/2022	14:59
	IC 410-250058/3	ND1402.D	04/29/2022	15:37
	IC 410-250058/4	ND1403.D	04/29/2022	15:59
	IC 410-250058/5	ND1404.D	04/29/2022	16:20
	IC 410-250058/6	ND1405.D	04/29/2022	16:42
	IC 410-250058/7	ND1406.D	04/29/2022	17:03
	ICV 410-250058/9	ND1408.D	04/29/2022	17:47
	ICV 410-250058/10	ND1409.D	04/29/2022	18:08

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Lab File ID: NE0550.D DFTPP Injection Date: 05/20/2022

Instrument ID: HP23263 DFTPP Injection Time: 17:22

Analysis Batch No.: 257602

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	59.9	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	63.6	
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	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	27.7	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	12.5	(16.4) 2
442	Greater than 50% of mass 198	76.2	
443	15-24% of mass 442	15.5	(20.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-257602/2	NE0551.D	05/20/2022	17:41
	MB 410-256915/1-A	NE0552.D	05/20/2022	18:20
	LCS 410-256915/2-A	NE0553.D	05/20/2022	18:41
	LCSD 410-256915/3-A	NE0554.D	05/20/2022	19:03
FBW001_052022	410-84076-1	NE0577.D	05/21/2022	3:21
FBW001_MS_052022 MS	410-84076-1 MS	NE0578.D	05/21/2022	3:43
FBW001_MSD_052022 MSD	410-84076-1 MSD	NE0579.D	05/21/2022	4:04
FBS010_052022	410-84076-4	NE0580.D	05/21/2022	4:26
FBS010_DUP-1_052022	410-84076-5	NE0581.D	05/21/2022	4:48

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-257357/2 Date Analyzed: 05/20/2022 07:20

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1201.D Heated Purge: (Y/N) N

Calibration ID: 38577

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		57406	4.53	187858	5.73	105270	7.40
UPPER LIMIT		114812	5.03	375716	6.23	210540	7.90
LOWER LIMIT		28703	4.03	93929	5.23	52635	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-257357/9		61873	4.53	202477	5.73	109626	7.40
CCVIS 410-257935/2		54749	4.53	173934	5.73	99614	7.40

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-257357/2 Date Analyzed: 05/20/2022 07:20

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1201.D Heated Purge: (Y/N) N

Calibration ID: 38577

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		195348	8.81	149457	11.48	145479	13.42
UPPER LIMIT		390696	9.31	298914	11.98	290958	13.92
LOWER LIMIT		97674	8.31	74729	10.98	72740	12.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-257357/9		195047	8.81	149857	11.47	145073	13.42
CCVIS 410-257935/2		176737	8.81	131448	11.48	125809	13.42

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257935/2 Date Analyzed: 05/23/2022 07:47

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1301.D Heated Purge: (Y/N) N

Calibration ID: 38577

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		54749	4.53	173934	5.73	99614	7.40
UPPER LIMIT		109498	5.03	347868	6.23	199228	7.90
LOWER LIMIT		27375	4.03	86967	5.23	49807	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-84076-3	FBW001_FB_052022	71985	4.53	238558	5.73	130516	7.40

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257935/2 Date Analyzed: 05/23/2022 07:47

Instrument ID: HP21585 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ME1301.D Heated Purge: (Y/N) N

Calibration ID: 38577

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		176737	8.81	131448	11.48	125809	13.42
UPPER LIMIT		353474	9.31	262896	11.98	251618	13.92
LOWER LIMIT		88369	8.31	65724	10.98	62905	12.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-84076-3	FBW001_FB_052022	238168	8.81	161446	11.47	137362	13.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-250058/2 Date Analyzed: 04/29/2022 14:59

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ND1401.D Heated Purge: (Y/N) N

Calibration ID: 37561

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		75428	4.51	246992	5.71	113531	7.36
UPPER LIMIT		150856	5.01	493984	6.21	227062	7.86
LOWER LIMIT		37714	4.01	123496	5.21	56766	6.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-250058/9		83289	4.51	265335	5.71	121689	7.37
ICV 410-250058/10		84699	4.51	284078	5.71	130791	7.36
CCVIS 410-257602/2		64982	4.49	237251	5.68	100151	7.34

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: ICIS 410-250058/2 Date Analyzed: 04/29/2022 14:59

Instrument ID: HP23263 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): ND1401.D Heated Purge: (Y/N) N

Calibration ID: 37561

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		179500	8.77	121833	11.43	122702	13.38
UPPER LIMIT		359000	9.27	243666	11.93	245404	13.88
LOWER LIMIT		89750	8.27	60917	10.93	61351	12.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-250058/9		202939	8.77	133914	11.43	119885	13.38
ICV 410-250058/10		203204	8.77	135873	11.43	126624	13.38
CCVIS 410-257602/2		172397	8.75	131677	11.41	138157	13.35

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257602/2 Date Analyzed: 05/20/2022 17:41

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: 37561

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		64982	4.49	237251	5.68	100151	7.34
UPPER LIMIT		129964	4.99	474502	6.18	200302	7.84
LOWER LIMIT		32491	3.99	118626	5.18	50076	6.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-256915/1-A		70769	4.48	242371	5.68	108887	7.35
LCS 410-256915/2-A		70831	4.49	265798	5.68	114341	7.34
LCSD 410-256915/3-A		69727	4.49	257978	5.68	112367	7.34
410-84076-1	FBW001_052022	75020	4.48	268718	5.68	116446	7.34
410-84076-1 MS	FBW001_MS_052022 MS	71174	4.48	278326	5.68	116810	7.34
410-84076-1 MSD	FBW001_MSD_052022 MSD	72366	4.48	270251	5.68	113597	7.34
410-84076-4	FBS010_052022	73143	4.48	256551	5.68	113884	7.34
410-84076-5	FBS010_DUP-1_052022	75667	4.48	271643	5.68	120188	7.34

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-84076-1

SDG No.:

Sample No.: CCVIS 410-257602/2 Date Analyzed: 05/20/2022 17:41

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: 37561

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		172397	8.75	131677	11.41	138157	13.35
UPPER LIMIT		344794	9.25	263354	11.91	276314	13.85
LOWER LIMIT		86199	8.25	65839	10.91	69079	12.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-256915/1-A		182625	8.76	131905	11.41	123694	13.35
LCS 410-256915/2-A		188350	8.75	136380	11.40	134801	13.34
LCSD 410-256915/3-A		187382	8.75	131282	11.40	127790	13.34
410-84076-1	FBW001_052022	193878	8.75	137710	11.40	120509	13.34
410-84076-1 MS	FBW001_MS_052022 MS	185080	8.75	136675	11.40	129418	13.34
410-84076-1 MSD	FBW001_MSD_052022 MSD	185721	8.75	130318	11.40	121364	13.34
410-84076-4	FBS010_052022	188828	8.75	133235	11.40	112724	13.34
410-84076-5	FBS010_DUP-1_052022	198502	8.75	139322	11.40	119097	13.34

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_052022
Lab Sample ID: 410-84076-1

Matrix: Water
Lab File ID: NE0577.D

Analysis Method: 8270D SIM
Date Collected: 05/12/2022 09:22

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 243.8(mL)
Date Analyzed: 05/21/2022 03:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	cn	0.31	0.10
90-12-0	1-Methylnaphthalene	ND	cn	0.051	0.021
91-57-6	2-Methylnaphthalene	ND	cn	0.051	0.021
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	0.021
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	cn	0.051	0.010
53-70-3	Dibenz(a,h)anthracene	ND	cn	0.051	0.021
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	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	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	0.051	0.021
91-20-3	Naphthalene	ND	cn	0.072	0.031
62-75-9	N-Nitrosodimethylamine	ND	cn	0.051	0.021
85-01-8	Phenanthrene	ND	cn	0.072	0.031
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.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_052022 Lab Sample ID: 410-84076-1

Matrix: Water Lab File ID: NE0577.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:22

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 243.8(mL) Date Analyzed: 05/21/2022 03:21

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	58	cn	36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	62	cn	10-110
93951-69-0	Fluoranthene-d10 (Surr)	68	cn	47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0577.D				
Lims ID:	410-84076-B-1-C				
Client ID:	FBW001_052022				
Sample Type:	Client				
Inject. Date:	21-May-2022 03:21:30	ALS Bottle#:	27	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-1-C				
Misc. Info.:	410-0057731-022				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:34:02	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				
First Level Reviewer: gamblerj		Date:	23-May-2022 05:56:40		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.711	1.703	0.017	95	2680	0.0129	M
* 4 1,4-Dichlorobenzene-d4	152	4.482	4.494	-0.012	84	75020	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	100	268718	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.417	6.419	-0.002	98	85475	0.1459	
* 13 Acenaphthene-d10	164	7.338	7.341	-0.003	85	116446	0.2500	
* 20 Phenanthrene-d10	188	8.747	8.750	-0.003	99	193878	0.2500	
23 Di-n-butyl phthalate	149	9.317	9.318	-0.001	100	6850	0.009531	
$ 24 Fluoranthene-d10 (Surr)	212	9.881	9.889	-0.008	100	133746	0.1704	
* 29 Chrysene-d12	240	11.397	11.406	-0.009	81	137710	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.223	13.216	-0.001	98	70985	0.1559	
* 38 Perylene-d12	264	13.338	13.346	-0.008	98	120509	0.2500	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

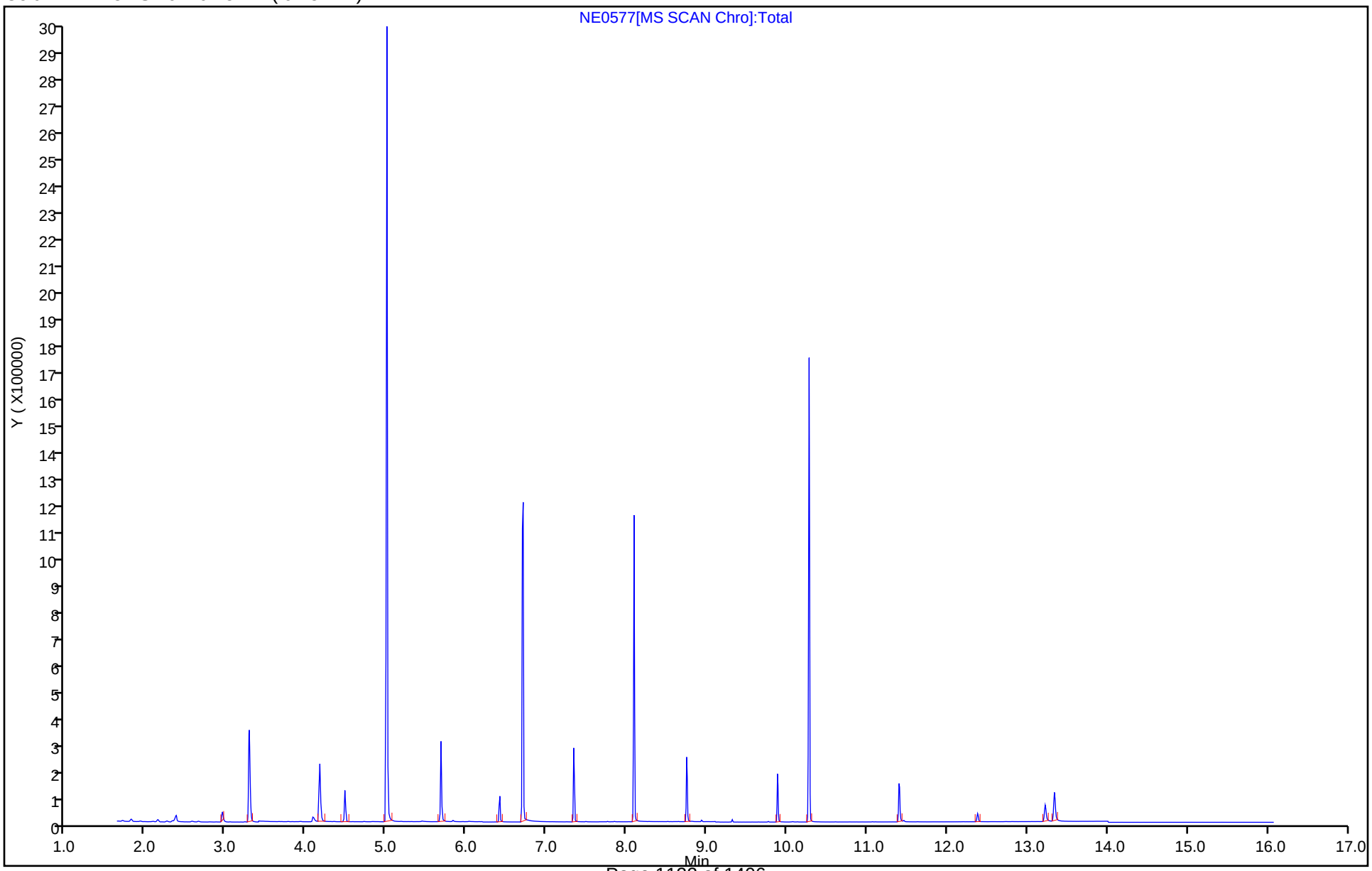
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 23-May-2022 06:34:13 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0577.D				
Injection Date:	21-May-2022 03:21:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-84076-B-1-C	Lab Sample ID:	410-84076-1	Worklist Smp#:	22
Client ID:	FBW001_052022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
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\20220520-57731.b\NE0577.D				
Lims ID:	410-84076-B-1-C				
Client ID:	FBW001_052022				
Sample Type:	Client				
Inject. Date:	21-May-2022 03:21:30	ALS Bottle#:	27	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-1-C				
Misc. Info.:	410-0057731-022				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:34:02	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				

First Level Reviewer: gamblerj Date: 23-May-2022 05:56:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1459	58.37
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1704	68.15
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1559	62.37

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

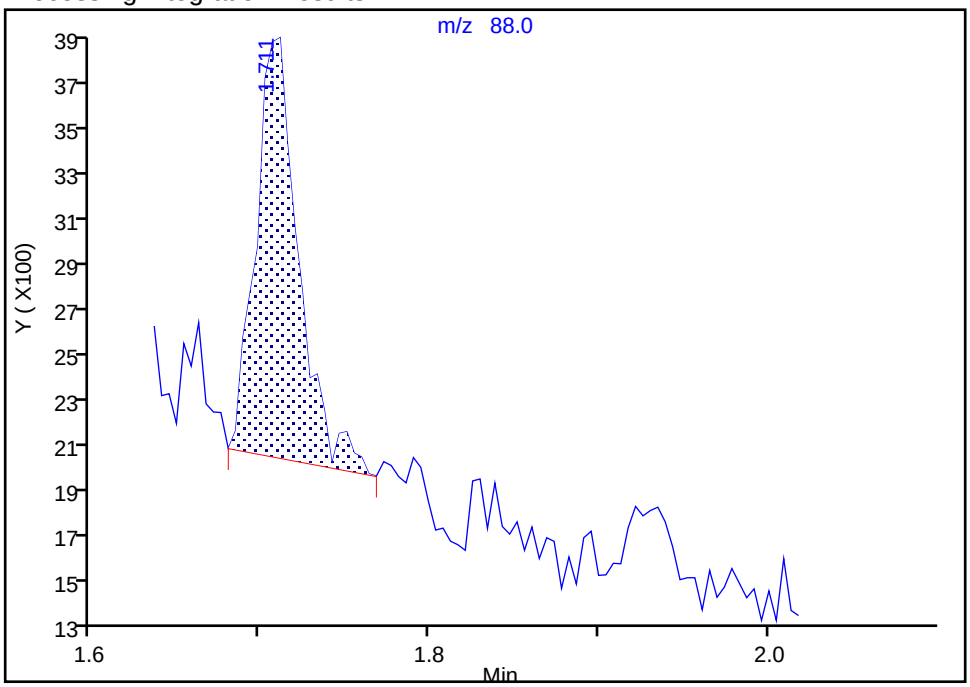
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0577.D				
Injection Date:	21-May-2022 03:21:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-1-C	Lab Sample ID:	410-84076-1		
Client ID:	FBW001_052022				
Operator ID:	kel10217	ALS Bottle#:	27	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

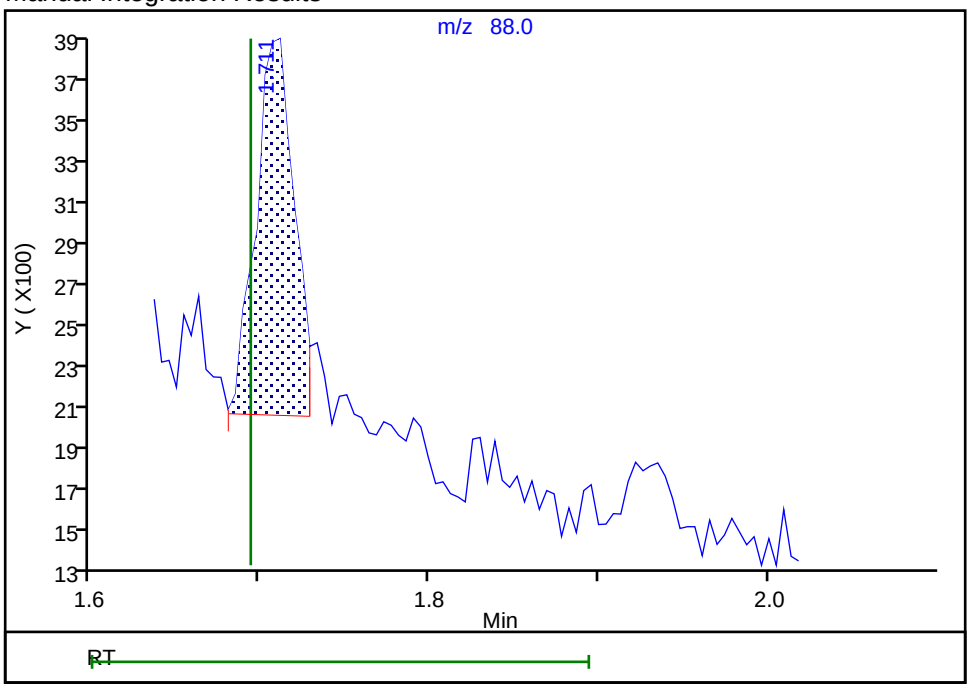
Processing Integration Results

RT: 1.71
Area: 3040
Amount: 0.014591
Amount Units: ug/ml



Manual Integration Results

RT: 1.71
Area: 2680
Amount: 0.012863
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 05:56:25

Audit Action: Manually Integrated Audit Reason: Baseline

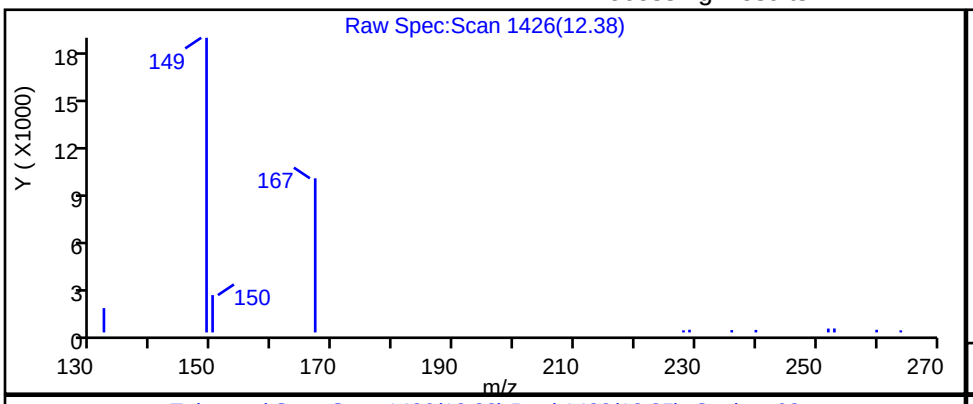
User Disabled Compound Report

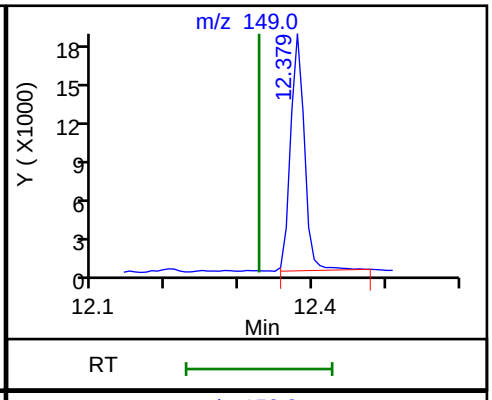
Eurofins Lancaster Laboratories Environment Testing, LLC

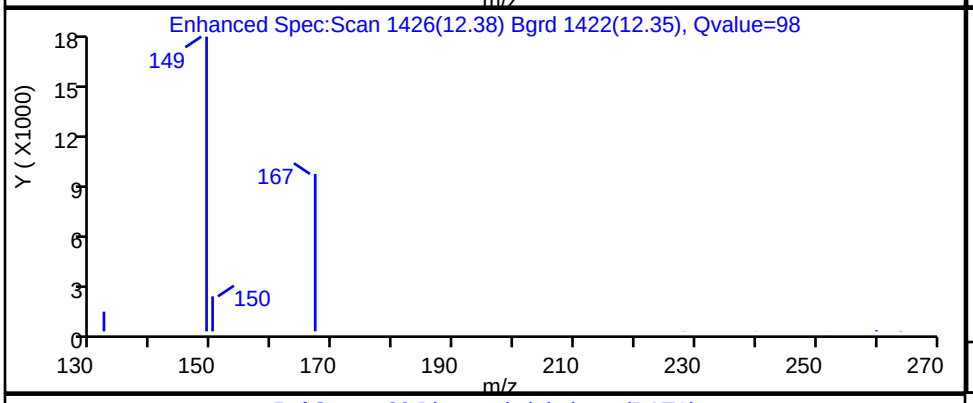
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0577.D				
Injection Date:	21-May-2022 03:21:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-1-C	Lab Sample ID:	410-84076-1		
Client ID:	FBW001_052022				
Operator ID:	kel10217	ALS Bottle#:	27	Worklist Smp#:	22
Injection Vol:	1.0 ul	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		

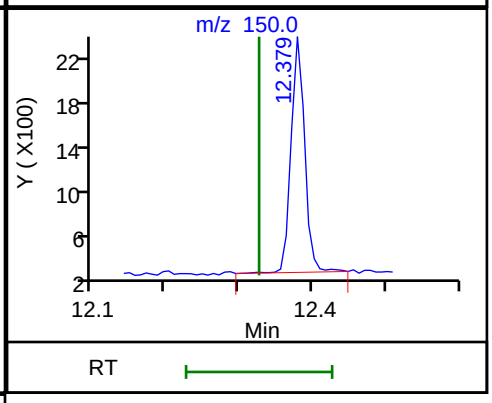
32 Di-n-octyl phthalate, CAS: 117-84-0

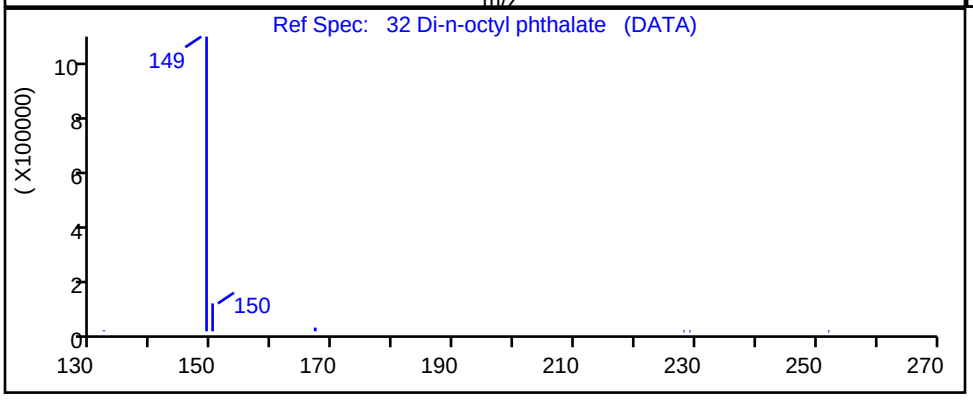
Processing Results











RT	Mass	Response	Amount
12.38	149.00	22717	0.044833
12.38	150.00	2676	

Reviewer: gamblerj, 23-May-2022 05:56:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Matrix: Water Lab File ID: ME1308.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:27

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 241.2(mL) Date Analyzed: 05/23/2022 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.: 257935 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.31	0.10
90-12-0	1-Methylnaphthalene	ND		0.052	0.021
91-57-6	2-Methylnaphthalene	ND		0.052	0.021
83-32-9	Acenaphthene	ND		0.052	0.010
208-96-8	Acenaphthylene	ND		0.052	0.010
120-12-7	Anthracene	ND		0.052	0.010
56-55-3	Benzo[a]anthracene	ND		0.052	0.010
50-32-8	Benzo[a]pyrene	ND		0.052	0.010
205-99-2	Benzo[b]fluoranthene	ND		0.052	0.010
191-24-2	Benzo[g,h,i]perylene	ND		0.052	0.010
207-08-9	Benzo[k]fluoranthene	ND		0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	ND		0.052	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	1.7		1.0	0.052
85-68-7	Butylbenzylphthalate	ND		1.0	0.052
218-01-9	Chrysene	ND		0.052	0.010
53-70-3	Dibenz(a,h)anthracene	ND		0.052	0.021
132-64-9	Dibenzofuran	ND		0.052	0.010
84-66-2	Diethylphthalate	ND		1.0	0.052
131-11-3	Dimethylphthalate	ND		1.0	0.052
84-74-2	Di-n-butyl phthalate	0.056	J	1.0	0.052
117-84-0	Di-n-octyl phthalate	ND	cn	1.0	0.052
206-44-0	Fluoranthene	ND		0.052	0.010
86-73-7	Fluorene	ND		0.052	0.010
118-74-1	Hexachlorobenzene	ND		0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.052	0.021
91-20-3	Naphthalene	ND		0.073	0.031
62-75-9	N-Nitrosodimethylamine	ND		0.052	0.021
85-01-8	Phenanthrene	ND		0.073	0.031
129-00-0	Pyrene	ND		0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_FB_052022 Lab Sample ID: 410-84076-3

Matrix: Water Lab File ID: ME1308.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:27

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 241.2(mL) Date Analyzed: 05/23/2022 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.: 257935 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	69		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	72		10-110
93951-69-0	Fluoranthene-d10 (Surr)	69		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D				
Lims ID:	410-84076-A-3-A				
Client ID:	FBW001_FB_052022				
Sample Type:	Client				
Inject. Date:	23-May-2022 10:22:58	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-A-3-A				
Misc. Info.:	410-0057819-009				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-May-2022 03:14:02	Calib Date:	20-May-2022 09:08:04		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1646				
First Level Reviewer: gamblerj		Date:	24-May-2022 02:51:41		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.777	1.760	0.022	80	2006	0.009876	7M
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	95	71985	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	238558	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	103073	0.1730	
* 13 Acenaphthene-d10	164	7.399	7.400	-0.001	86	130516	0.2500	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	96	238168	0.2500	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	14629	0.0135	M
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	192633	0.1737	
* 29 Chrysene-d12	240	11.467	11.475	-0.008	56	161446	0.2500	
31 Bis(2-ethylhexyl) phthalate	149	11.529	11.529	-0.008	100	251570	0.4164	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.293	13.293	-0.008	100	104508	0.1804	
* 38 Perylene-d12	264	13.408	13.416	-0.008	99	137362	0.2500	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

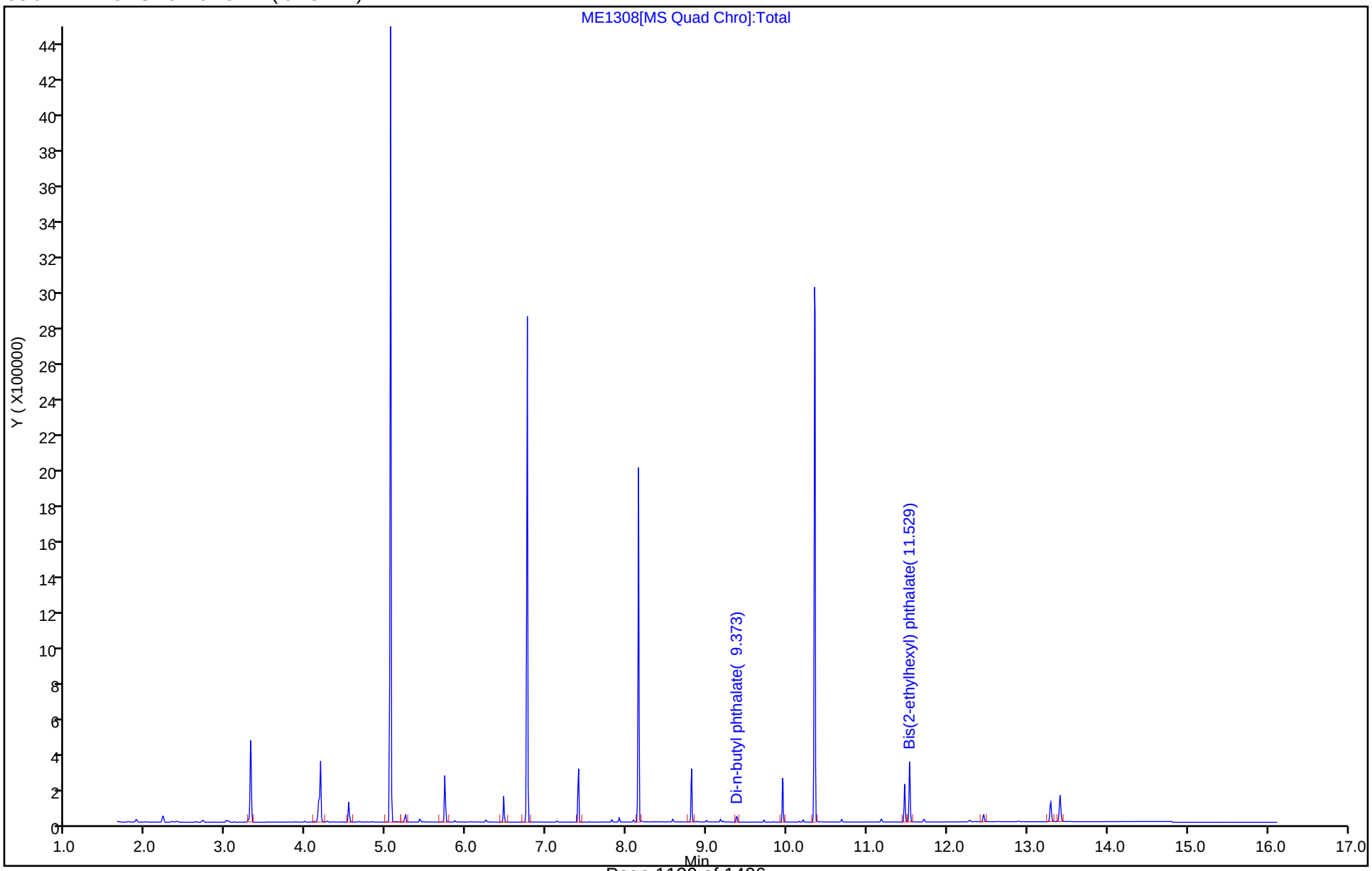
MSS_RVSIM_IS_00027 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 24-May-2022 03:15:31 Chrom Revision: 2.3 23-May-2022 15:48:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D				
Injection Date:	23-May-2022 10:22:58	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	410-84076-A-3-A	Lab Sample ID:	410-84076-3	Worklist Smp#:	9
Client ID:	FBW001_FB_052022				
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\20220523-57819.b\ME1308.D				
Lims ID:	410-84076-A-3-A				
Client ID:	FBW001_FB_052022				
Sample Type:	Client				
Inject. Date:	23-May-2022 10:22:58	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-A-3-A				
Misc. Info.:	410-0057819-009				
Operator ID:	jmg00346	Instrument ID:	HP21585		
Method:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\8270_SIM_HP21585.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	24-May-2022 03:14:02	Calib Date:	20-May-2022 09:08:04		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1646				

First Level Reviewer: gamblerj Date: 24-May-2022 02:51:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1730	69.20
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1737	69.49
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1804	72.17

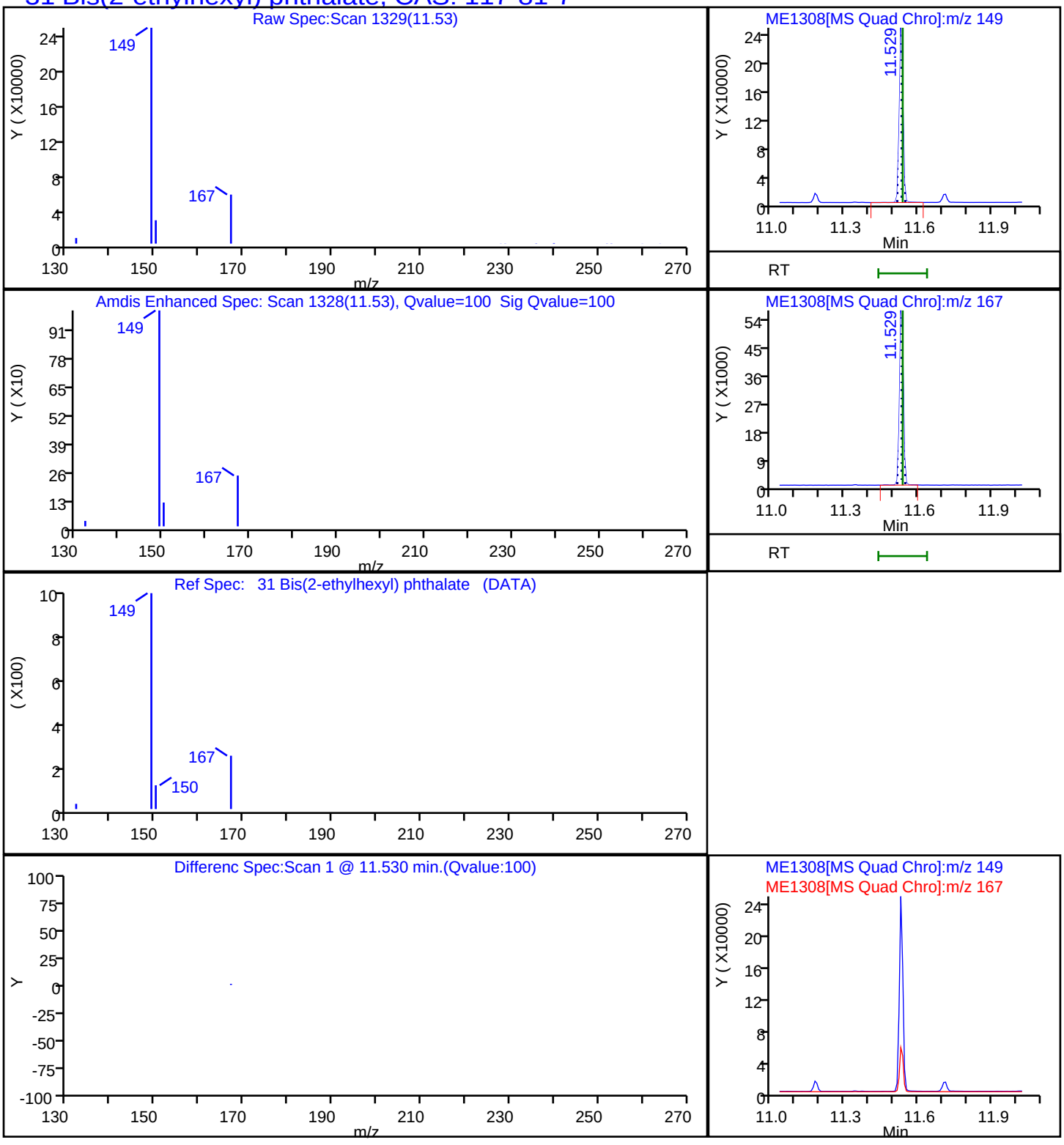
Report Date: 24-May-2022 03:15:31 Chrom Revision: 2.3 23-May-2022 15:48:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D

Injection Date:	23-May-2022 10:22:58	Instrument ID:	HP21585		
Lims ID:	410-84076-A-3-A	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
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



Report Date: 24-May-2022 03:15:31 Chrom Revision: 2.3 23-May-2022 15:48:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D

Injection Date: 23-May-2022 10:22:58 Instrument ID: HP21585

Lims ID: 410-84076-A-3-A Lab Sample ID: 410-84076-3

Client ID: FBW001_FB_052022

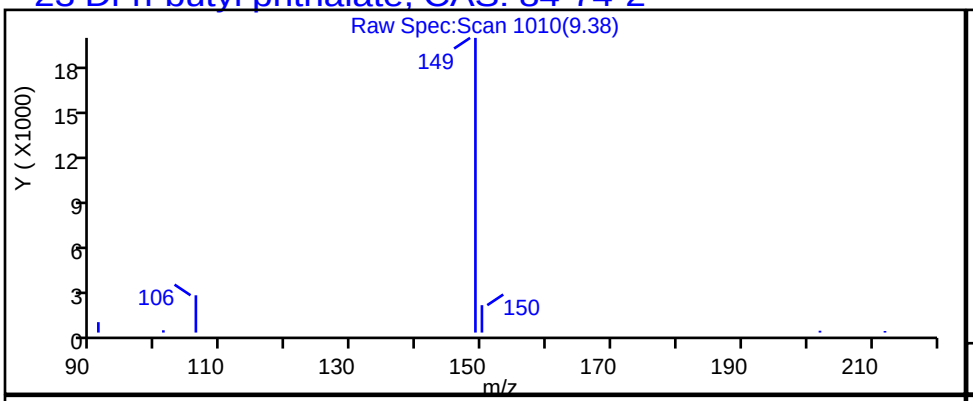
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 9

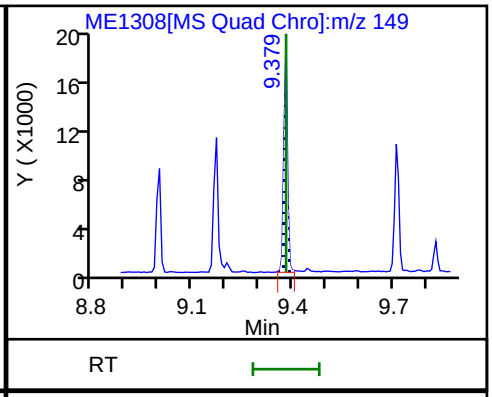
Injection Vol: 1.0 ul Dil. Factor: 1.0000

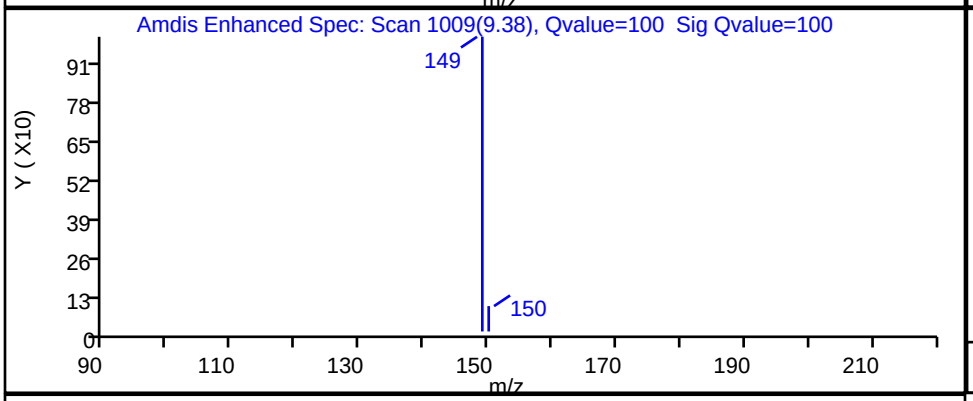
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

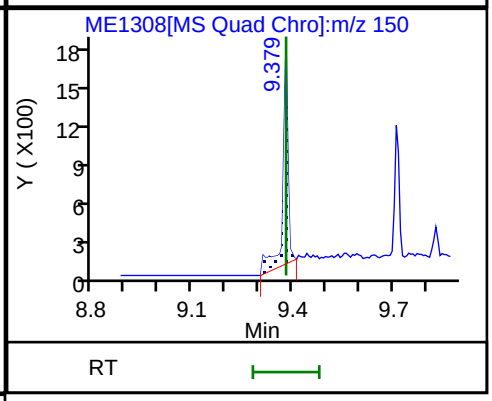
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

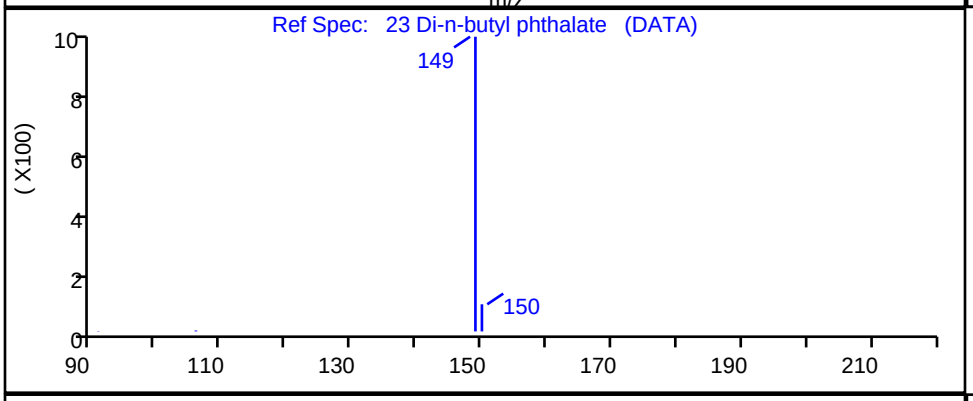
23 Di-n-butyl phthalate, CAS: 84-74-2

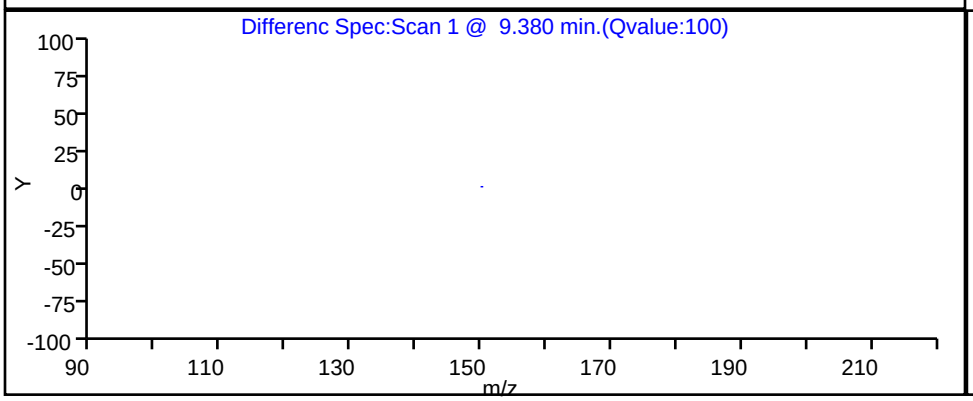


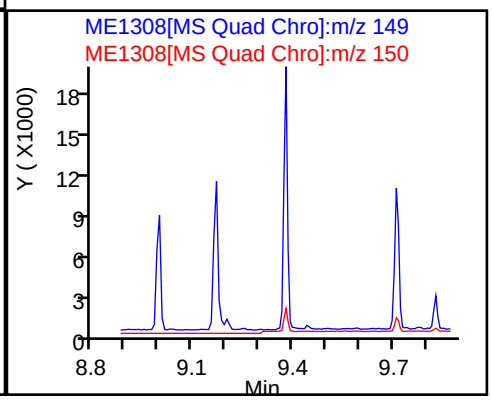












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

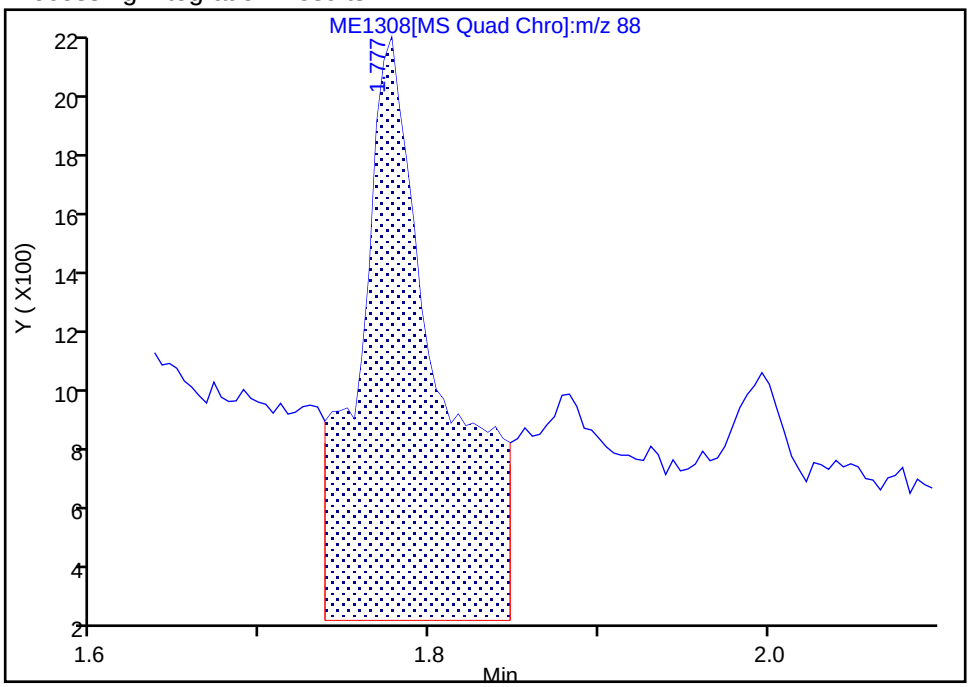
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D				
Injection Date:	23-May-2022 10:22:58	Instrument ID:	HP21585		
Lims ID:	410-84076-A-3-A	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	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

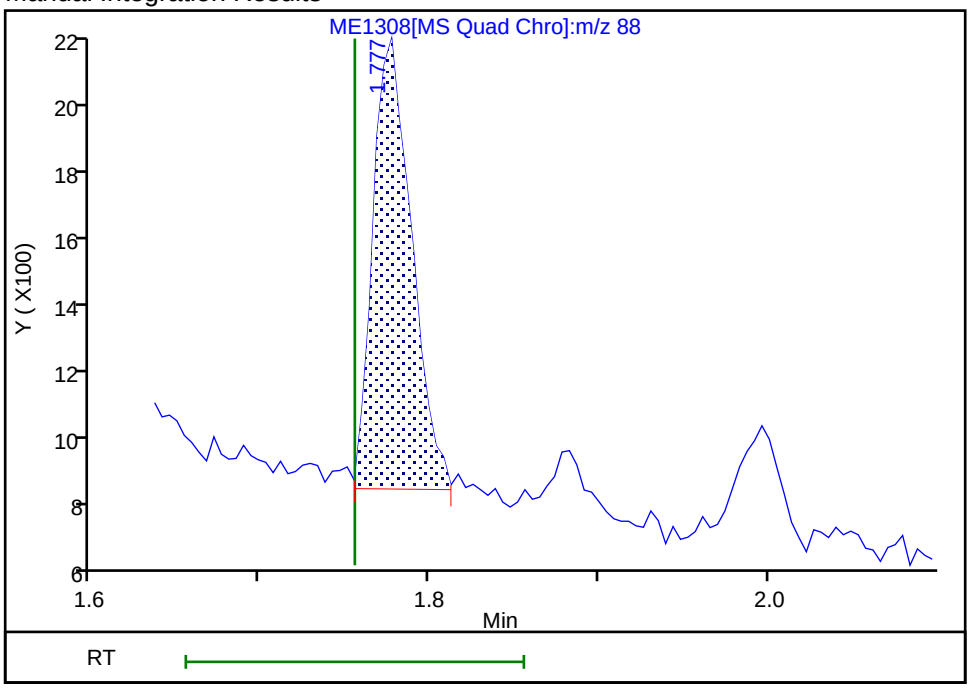
Processing Integration Results

RT: 1.78
Area: 6182
Amount: 0.030435
Amount Units: ug/ml



Manual Integration Results

RT: 1.78
Area: 2006
Amount: 0.009876
Amount Units: ug/ml



Reviewer: gamblerj, 24-May-2022 02:51:18

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

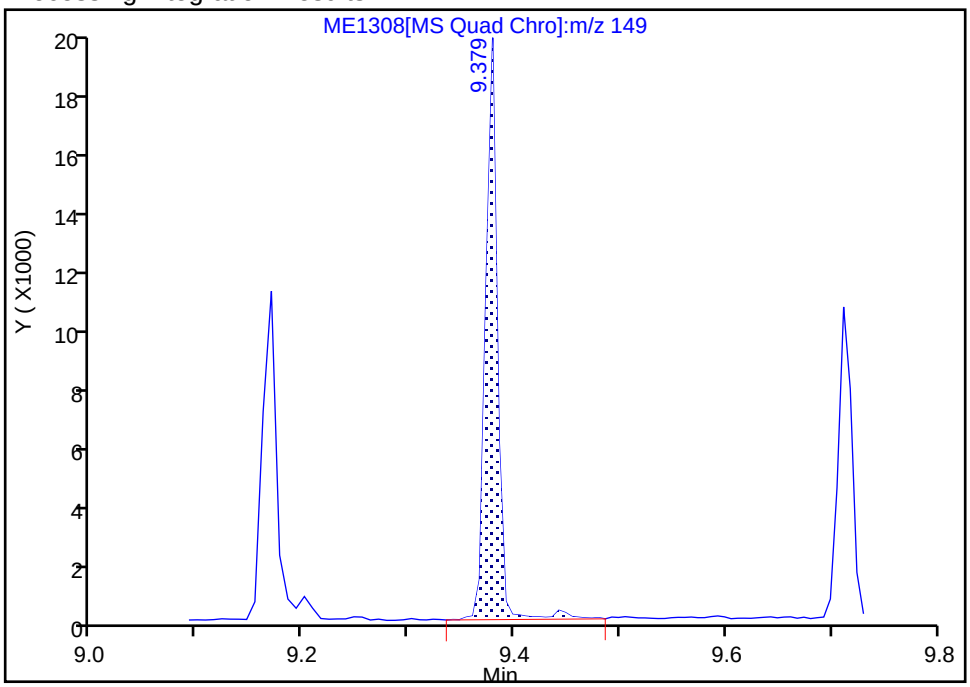
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1308.D				
Injection Date:	23-May-2022 10:22:58	Instrument ID:	HP21585		
Lims ID:	410-84076-A-3-A	Lab Sample ID:	410-84076-3		
Client ID:	FBW001_FB_052022				
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	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		

23 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

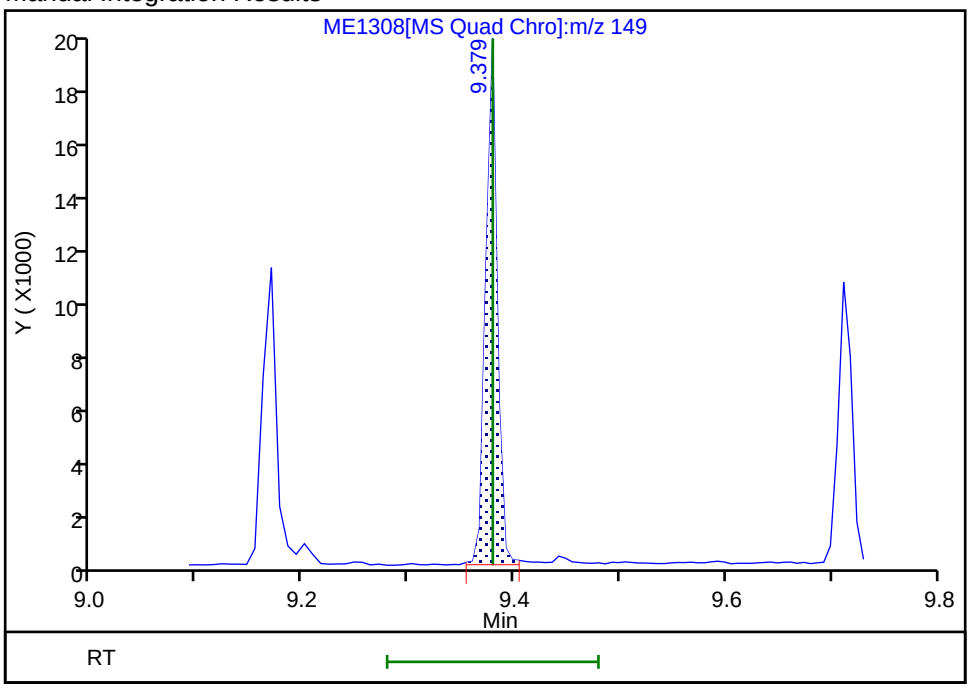
Processing Integration Results

RT: 9.38
Area: 15105
Amount: 0.013981
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 14629
Amount: 0.013541
Amount Units: ug/ml



Reviewer: gamblerj, 24-May-2022 02:51:31

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_052022
Lab Sample ID: 410-84076-4

Matrix: Water
Lab File ID: NE0580.D

Analysis Method: 8270D SIM
Date Collected: 05/12/2022 09:42

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 246.2(mL)
Date Analyzed: 05/21/2022 04:26

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 257602
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	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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_052022 Lab Sample ID: 410-84076-4

Matrix: Water Lab File ID: NE0580.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:42

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 246.2(mL) Date Analyzed: 05/21/2022 04:26

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	65	cn	36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	63	cn	10-110
93951-69-0	Fluoranthene-d10 (Surr)	70	cn	47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0580.D				
Lims ID:	410-84076-B-4-A				
Client ID:	FBS010_052022				
Sample Type:	Client				
Inject. Date:	21-May-2022 04:26:30	ALS Bottle#:	30	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-4-A				
Misc. Info.:	410-0057731-025				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:34:02	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				
First Level Reviewer: gamblerj		Date:	23-May-2022 05:58:46		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 4 1,4-Dichlorobenzene-d4	152	4.482	4.494	-0.012	85	73143	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	100	256551	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.417	6.419	-0.002	98	90545	0.1619	
* 13 Acenaphthene-d10	164	7.338	7.341	-0.003	86	113884	0.2500	
* 20 Phenanthrene-d10	188	8.747	8.750	-0.003	99	188828	0.2500	
23 Di-n-butyl phthalate	149	9.317	9.318	-0.001	100	4996	0.007137	
$ 24 Fluoranthene-d10 (Surr)	212	9.881	9.889	-0.008	100	134485	0.1759	
* 29 Chrysene-d12	240	11.397	11.406	-0.009	81	133235	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.223	13.216	-0.001	98	66726	0.1567	
* 38 Perylene-d12	264	13.338	13.346	-0.008	98	112724	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

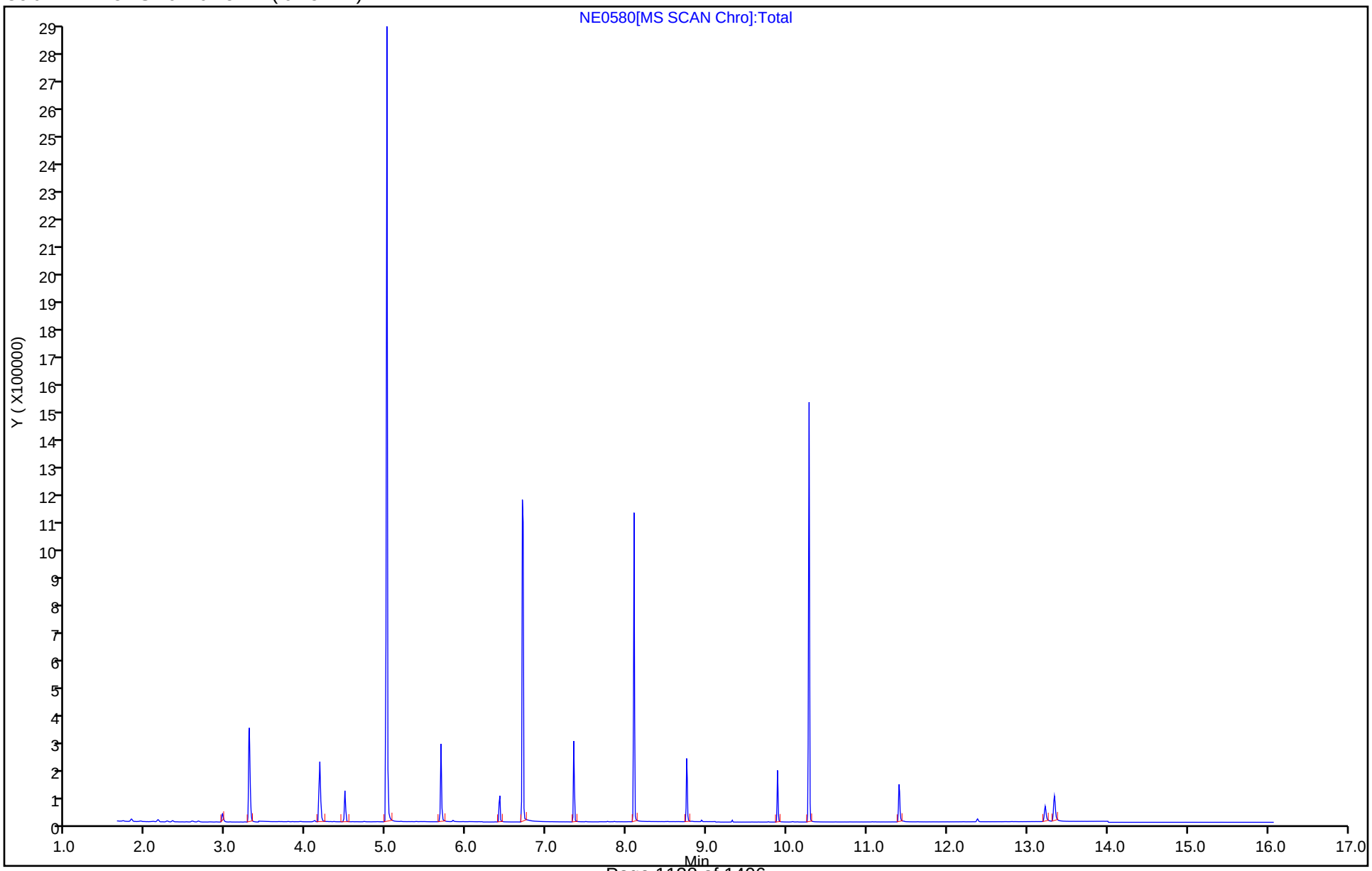
Report Date: 23-May-2022 06:34:16 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0580.D

Injection Date:	21-May-2022 04:26:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-84076-B-4-A	Lab Sample ID:	410-84076-4	Worklist Smp#:	25
Client ID:	FBS010_052022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
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\20220520-57731.b\NE0580.D				
Lims ID:	410-84076-B-4-A				
Client ID:	FBS010_052022				
Sample Type:	Client				
Inject. Date:	21-May-2022 04:26:30	ALS Bottle#:	30	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-4-A				
Misc. Info.:	410-0057731-025				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:34:02	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				

First Level Reviewer: gamblerj Date: 23-May-2022 05:58:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1619	64.76
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1759	70.36
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1567	62.67

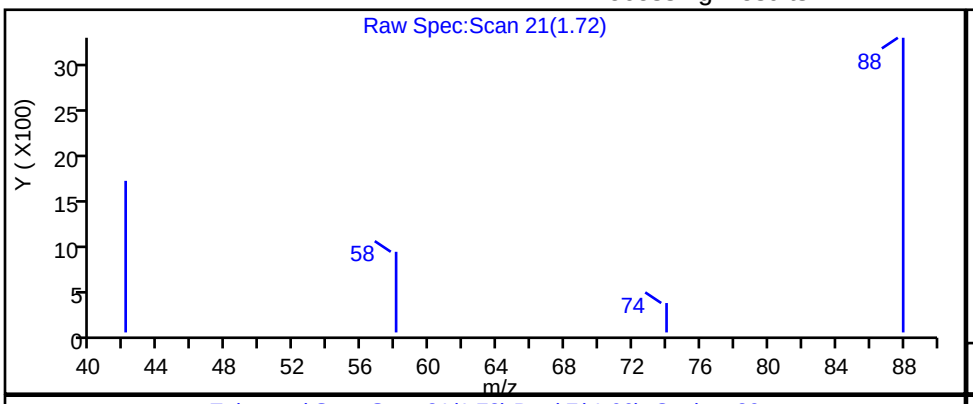
User Disabled Compound Report

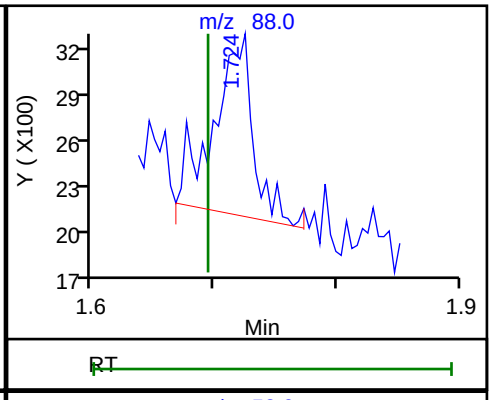
Eurofins Lancaster Laboratories Environment Testing, LLC

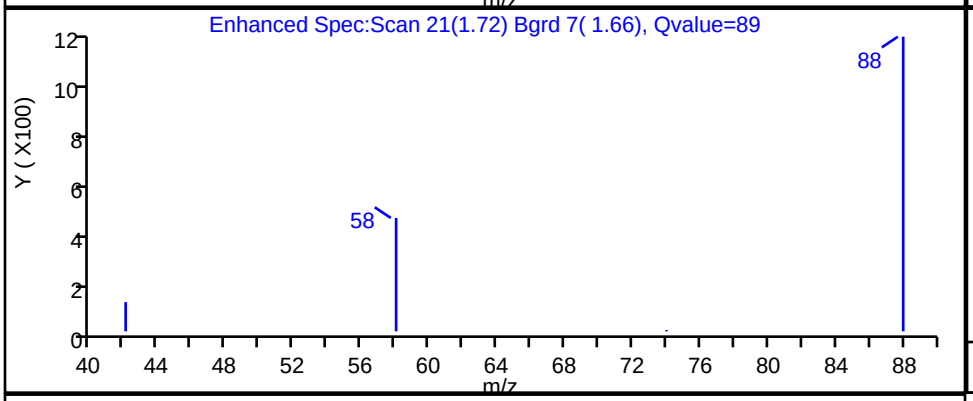
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0580.D				
Injection Date:	21-May-2022 04:26:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-4-A	Lab Sample ID:	410-84076-4		
Client ID:	FBS010_052022				
Operator ID:	kel10217	ALS Bottle#:	30	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

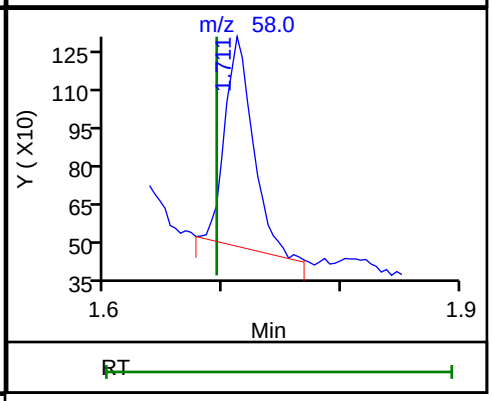
1 1,4-Dioxane, CAS: 123-91-1

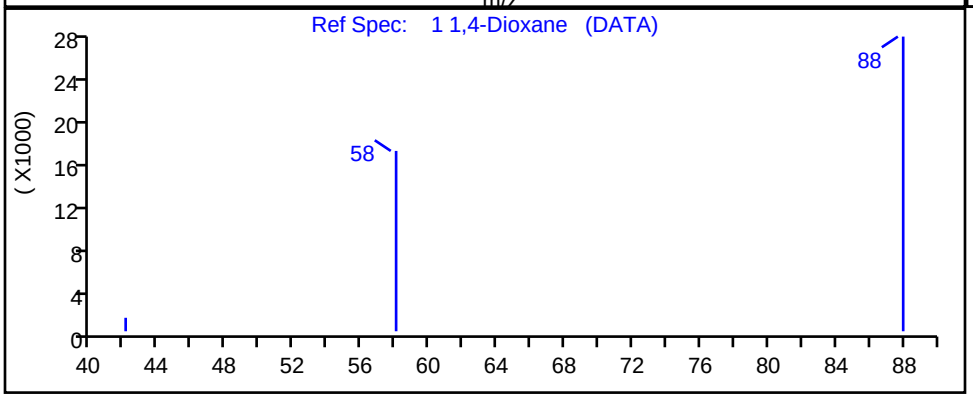
Processing Results











RT	Mass	Response	Amount
1.72	88.00	2602	0.012809
1.71	58.00	1386	

Reviewer: gamblerj, 23-May-2022 05:58:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

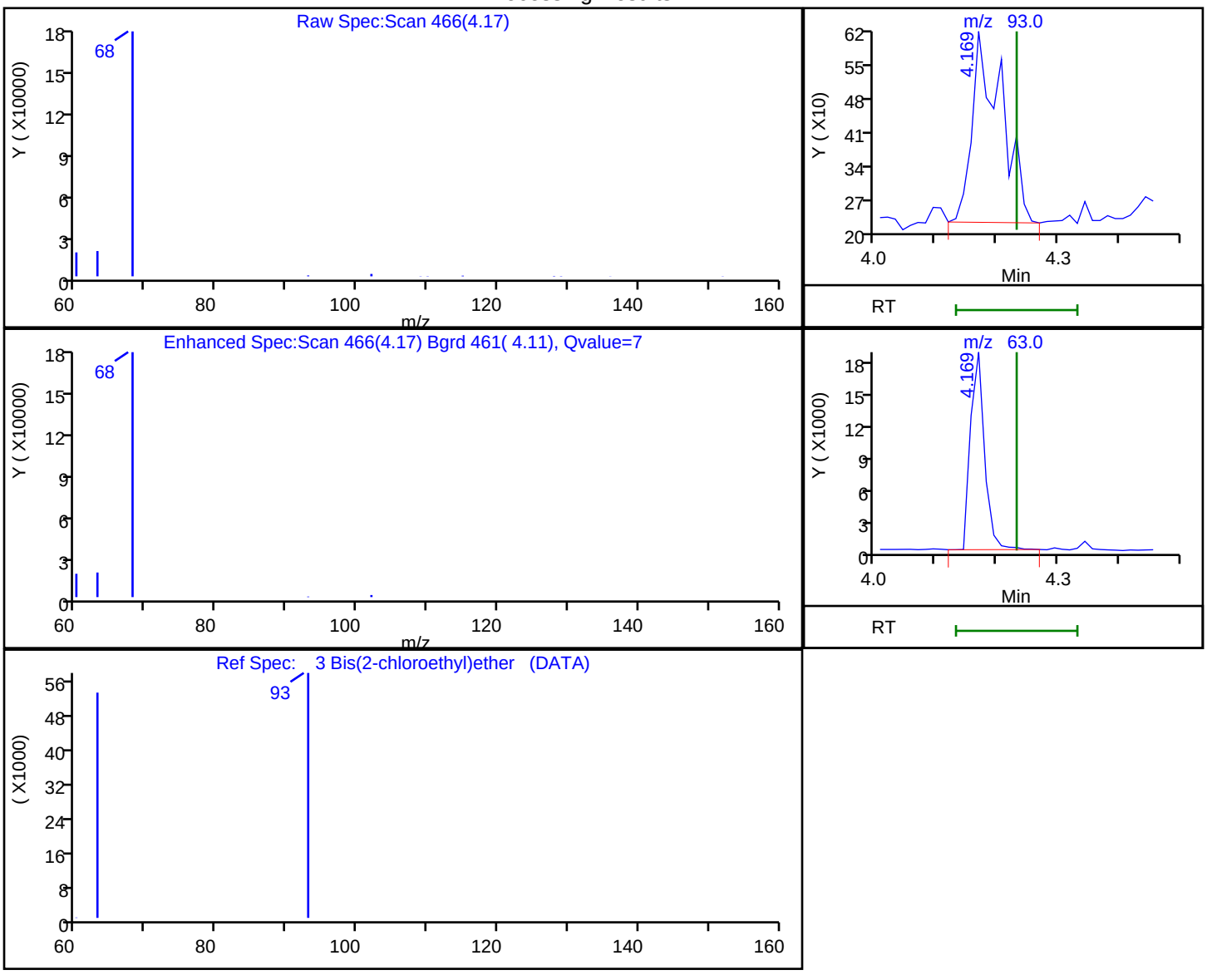
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0580.D				
Injection Date:	21-May-2022 04:26:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-4-A	Lab Sample ID:	410-84076-4		
Client ID:	FBS010_052022				
Operator ID:	kel10217	ALS Bottle#:	30	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.17	93.00	1324	0.002685
4.17	63.00	28992	

Reviewer: gamblerj, 23-May-2022 05:58:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

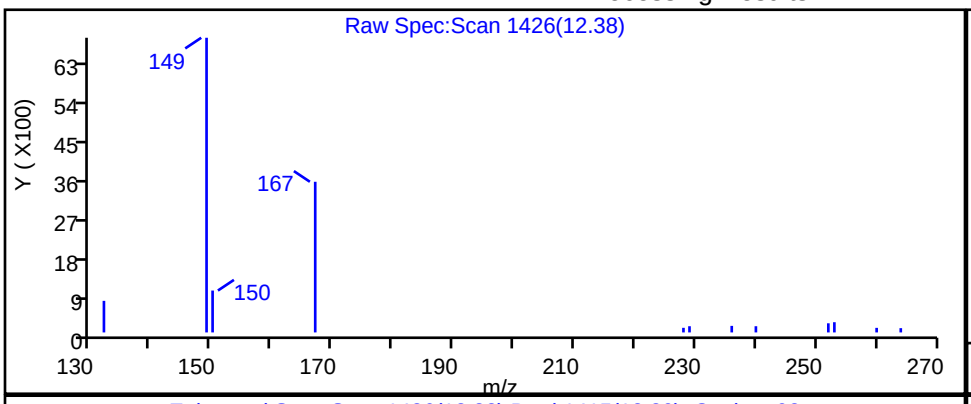
User Disabled Compound Report

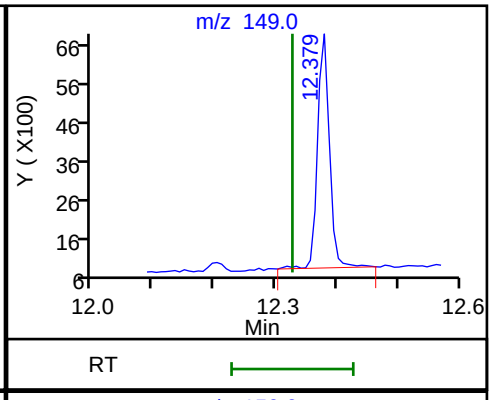
Eurofins Lancaster Laboratories Environment Testing, LLC

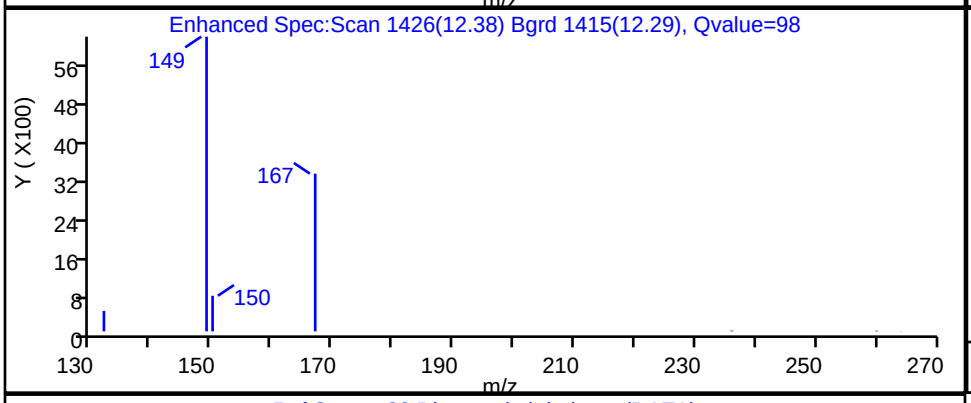
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0580.D				
Injection Date:	21-May-2022 04:26:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-4-A	Lab Sample ID:	410-84076-4		
Client ID:	FBS010_052022				
Operator ID:	kel10217	ALS Bottle#:	30	Worklist Smp#:	25
Injection Vol:	1.0 ul	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		

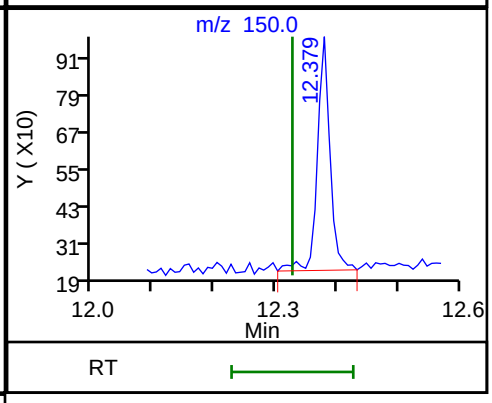
32 Di-n-octyl phthalate, CAS: 117-84-0

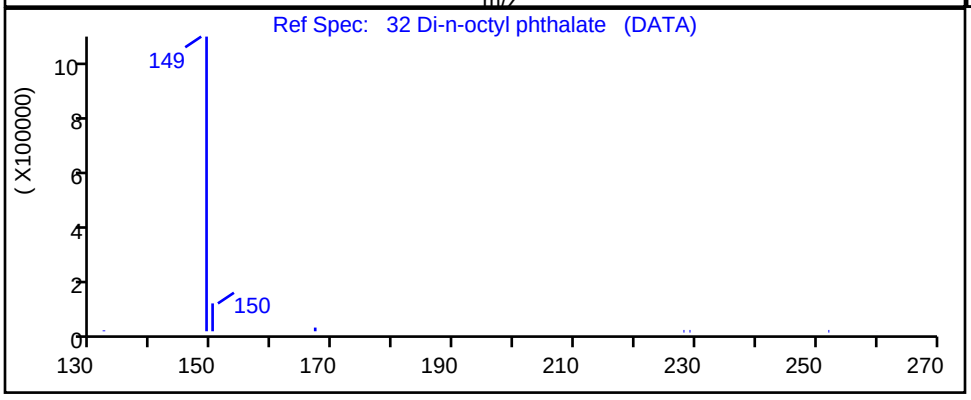
Processing Results











RT	Mass	Response	Amount
12.38	149.00	8284	0.017478
12.38	150.00	1096	

Reviewer: gamblerj, 23-May-2022 05:58:39

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.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_DUP-1_052022
Lab Sample ID: 410-84076-5

Matrix: Water
Lab File ID: NE0581.D

Analysis Method: 8270D SIM
Date Collected: 05/12/2022 13:00

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 242.1(mL)
Date Analyzed: 05/21/2022 04:48

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.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	cn	0.31	0.10
90-12-0	1-Methylnaphthalene	ND	cn	0.052	0.021
91-57-6	2-Methylnaphthalene	ND	cn	0.052	0.021
83-32-9	Acenaphthene	ND	cn	0.052	0.010
208-96-8	Acenaphthylene	ND	cn	0.052	0.010
120-12-7	Anthracene	ND	cn	0.052	0.010
56-55-3	Benzo[a]anthracene	ND	cn	0.052	0.010
50-32-8	Benzo[a]pyrene	ND	cn	0.052	0.010
205-99-2	Benzo[b]fluoranthene	ND	cn	0.052	0.010
191-24-2	Benzo[g,h,i]perylene	ND	cn	0.052	0.010
207-08-9	Benzo[k]fluoranthene	ND	cn	0.052	0.010
111-44-4	Bis(2-chloroethyl)ether	ND	cn	0.052	0.021
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	1.0	0.052
85-68-7	Butylbenzylphthalate	ND	cn	1.0	0.052
218-01-9	Chrysene	ND	cn	0.052	0.010
53-70-3	Dibenz(a,h)anthracene	ND	cn	0.052	0.021
132-64-9	Dibenzofuran	ND	cn	0.052	0.010
84-66-2	Diethylphthalate	ND	cn	1.0	0.052
131-11-3	Dimethylphthalate	ND	cn	1.0	0.052
84-74-2	Di-n-butyl phthalate	ND	cn	1.0	0.052
117-84-0	Di-n-octyl phthalate	ND	cn	1.0	0.052
206-44-0	Fluoranthene	ND	cn	0.052	0.010
86-73-7	Fluorene	ND	cn	0.052	0.010
118-74-1	Hexachlorobenzene	ND	cn	0.052	0.021
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	0.052	0.021
91-20-3	Naphthalene	ND	cn	0.072	0.031
62-75-9	N-Nitrosodimethylamine	ND	cn	0.052	0.021
85-01-8	Phenanthrene	ND	cn	0.072	0.031
129-00-0	Pyrene	ND	cn	0.052	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBS010_DUP-1_052022 Lab Sample ID: 410-84076-5

Matrix: Water Lab File ID: NE0581.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 13:00

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 242.1(mL) Date Analyzed: 05/21/2022 04:48

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.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	62	cn	36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	64	cn	10-110
93951-69-0	Fluoranthene-d10 (Surr)	68	cn	47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D
Lims ID: 410-84076-B-5-A
Client ID: FBS010_DUP-1_052022
Sample Type: Client
Inject. Date: 21-May-2022 04:48:30 ALS Bottle#: 31 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-5-A
Misc. Info.: 410-0057731-026
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:34:02 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:01:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.703	1.703	0.009	96	4356	0.0207	M
*	4 1,4-Dichlorobenzene-d4	152	4.482	4.494	-0.012	87	75667	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	100	271643	0.2500	
$	9 1-Methylnaphthalene-d10	152	6.417	6.419	-0.002	98	91645	0.1548	
*	13 Acenaphthene-d10	164	7.338	7.341	-0.003	88	120188	0.2500	
	14 Acenaphthene	154	7.368	7.368	-0.003	62	364	0.000550	7M
*	20 Phenanthrene-d10	188	8.747	8.750	-0.003	99	198502	0.2500	
	23 Di-n-butyl phthalate	149	9.316	9.318	-0.002	100	5922	0.008048	
$	24 Fluoranthene-d10 (Surr)	212	9.886	9.889	-0.003	97	136927	0.1704	
*	29 Chrysene-d12	240	11.404	11.406	-0.002	81	139322	0.2500	
$	36 Benzo(a)pyrene-d12 (Surr)	264	13.221	13.216	-0.003	99	71740	0.1594	
*	38 Perylene-d12	264	13.336	13.346	-0.010	99	119097	0.2500	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

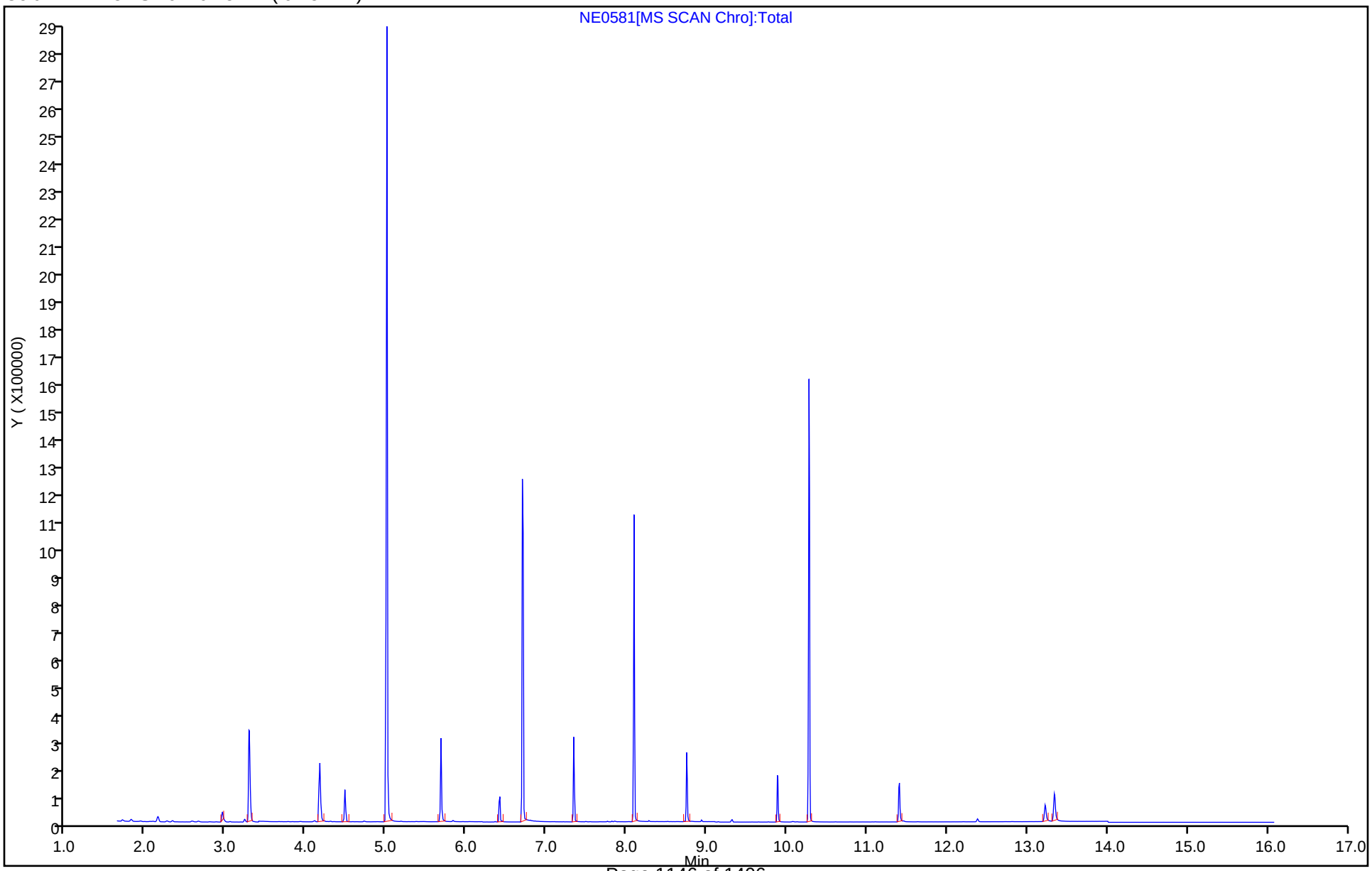
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 23-May-2022 06:34:17 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D				
Injection Date:	21-May-2022 04:48:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-84076-B-5-A	Lab Sample ID:	410-84076-5	Worklist Smp#:	26
Client ID:	FBS010_DUP-1_052022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
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\20220520-57731.b\NE0581.D
Lims ID: 410-84076-B-5-A
Client ID: FBS010_DUP-1_052022
Sample Type: Client
Inject. Date: 21-May-2022 04:48:30 ALS Bottle#: 31 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-5-A
Misc. Info.: 410-0057731-026
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:34:02 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:01:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1548	61.91
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1704	68.14
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1594	63.78

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

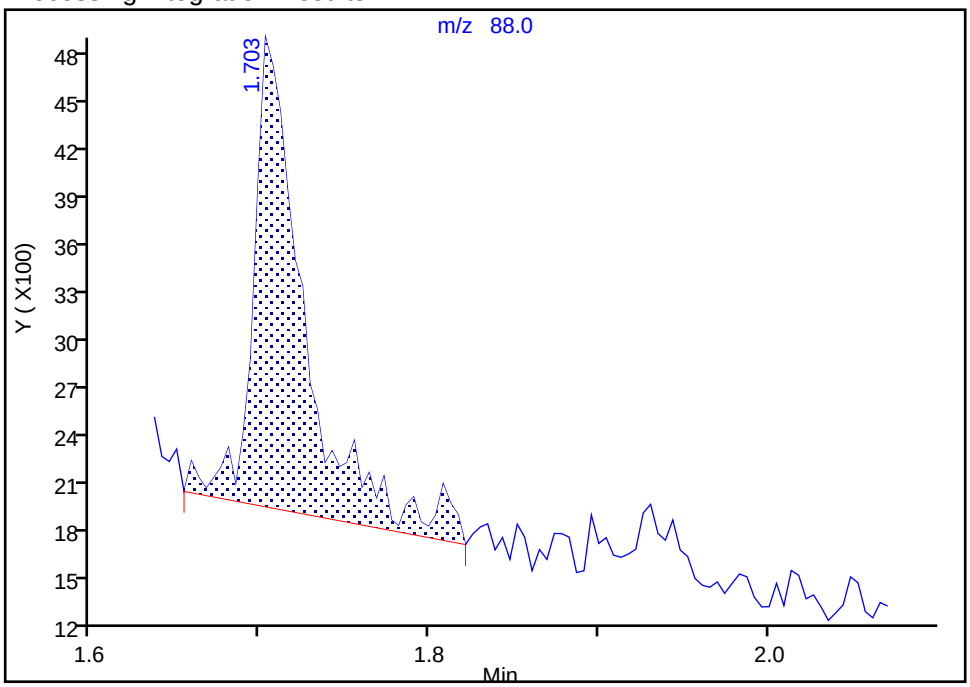
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D				
Injection Date:	21-May-2022 04:48:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-5-A	Lab Sample ID:	410-84076-5		
Client ID:	FBS010_DUP-1_052022				
Operator ID:	kel10217	ALS Bottle#:	31	Worklist Smp#:	26
Injection Vol:	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

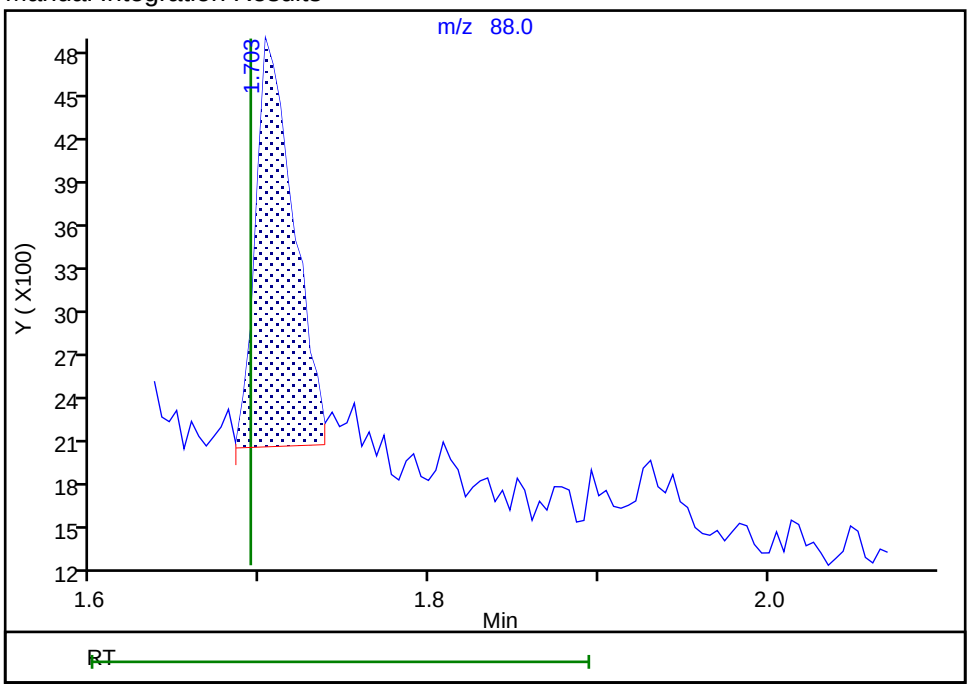
Processing Integration Results

RT: 1.70
Area: 6205
Amount: 0.029527
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 4356
Amount: 0.020728
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 05:59:10

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

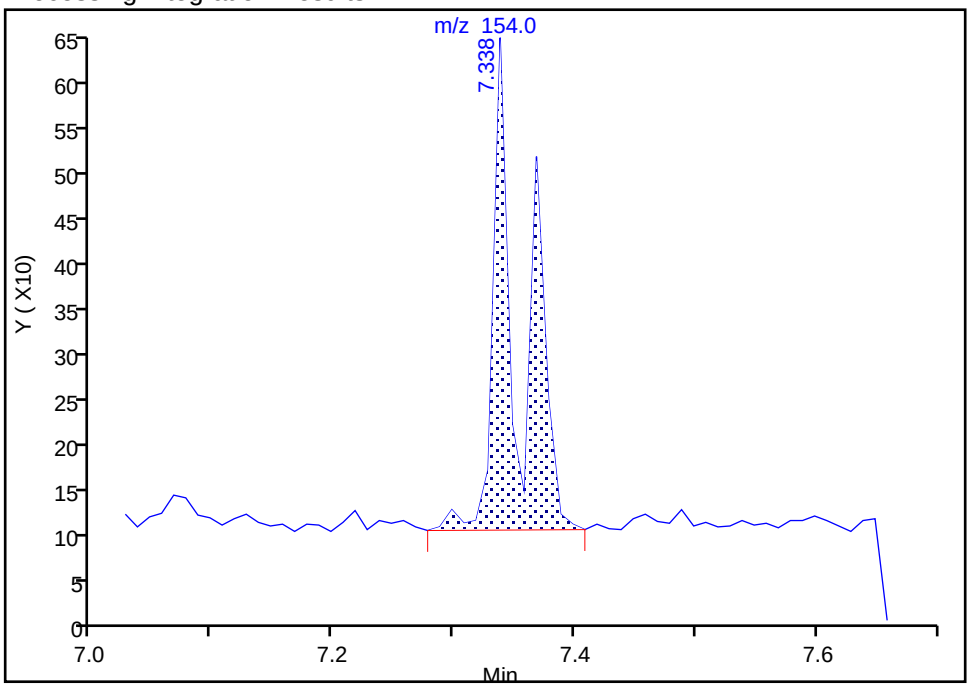
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D				
Injection Date:	21-May-2022 04:48:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-5-A	Lab Sample ID:	410-84076-5		
Client ID:	FBS010_DUP-1_052022				
Operator ID:	kel10217	ALS Bottle#:	31	Worklist Smp#:	26
Injection Vol:	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		

14 Acenaphthene, CAS: 83-32-9

Signal: 1

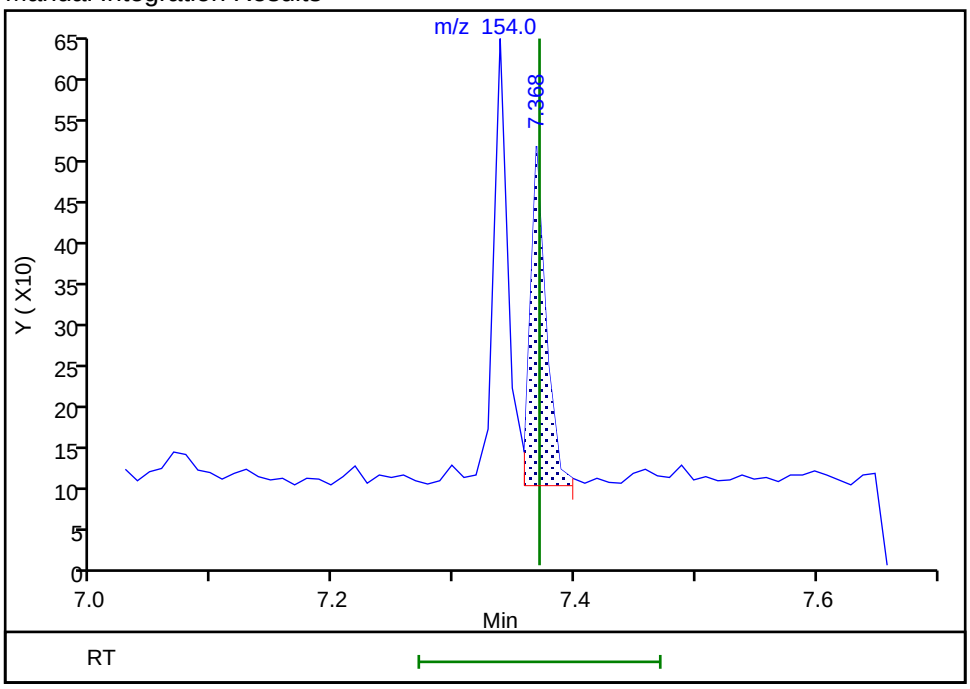
Processing Integration Results

RT: 7.34
Area: 834
Amount: 0.001261
Amount Units: ug/ml



Manual Integration Results

RT: 7.37
Area: 364
Amount: 0.000550
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 06:01:10

Audit Action: Manually Integrated Audit Reason: Baseline

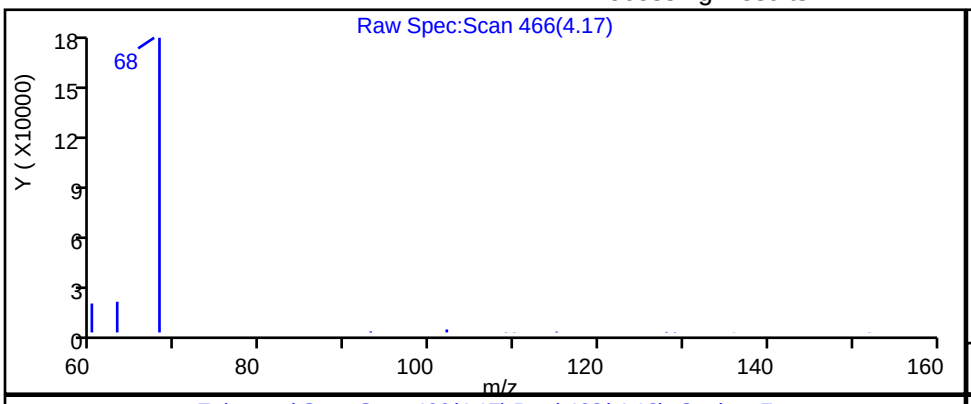
User Disabled Compound Report

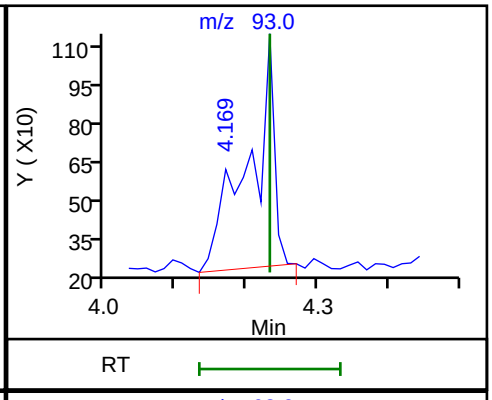
Eurofins Lancaster Laboratories Environment Testing, LLC

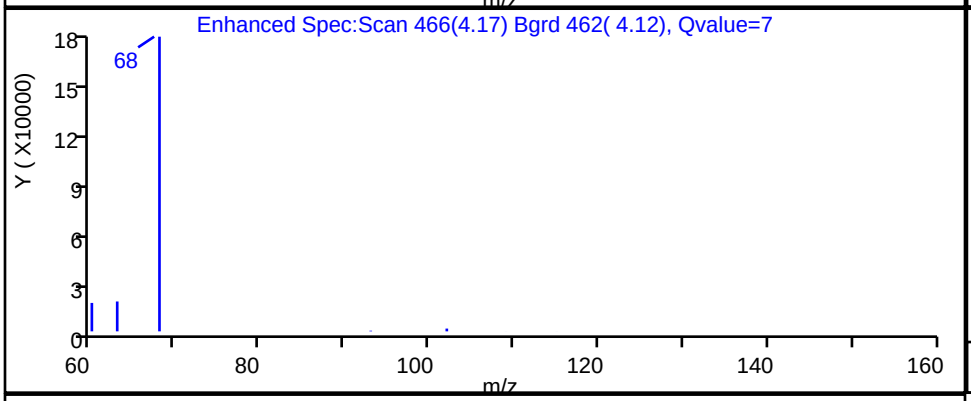
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D				
Injection Date:	21-May-2022 04:48:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-5-A	Lab Sample ID:	410-84076-5		
Client ID:	FBS010_DUP-1_052022				
Operator ID:	kel10217	ALS Bottle#:	31	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

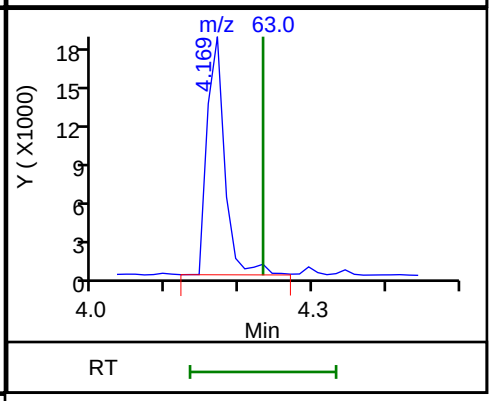
3 Bis(2-chloroethyl)ether, CAS: 111-44-4

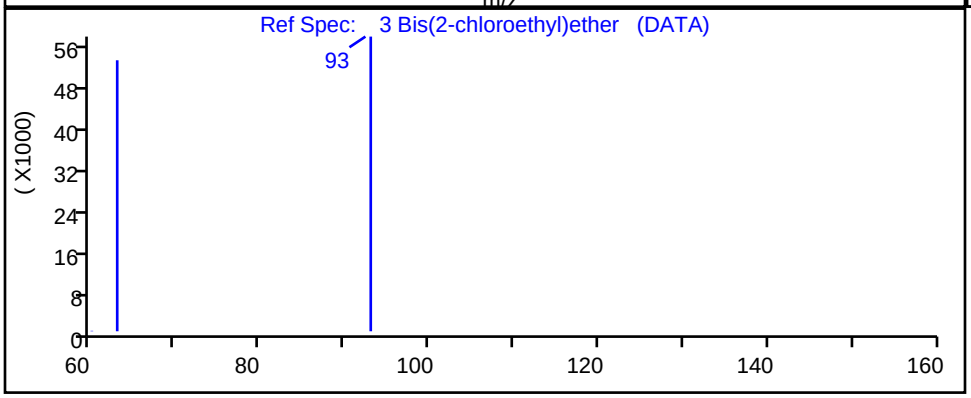
Processing Results











RT	Mass	Response	Amount
4.17	93.00	2267	0.004341
4.17	63.00	29938	

Reviewer: gamblerj, 23-May-2022 06:01:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

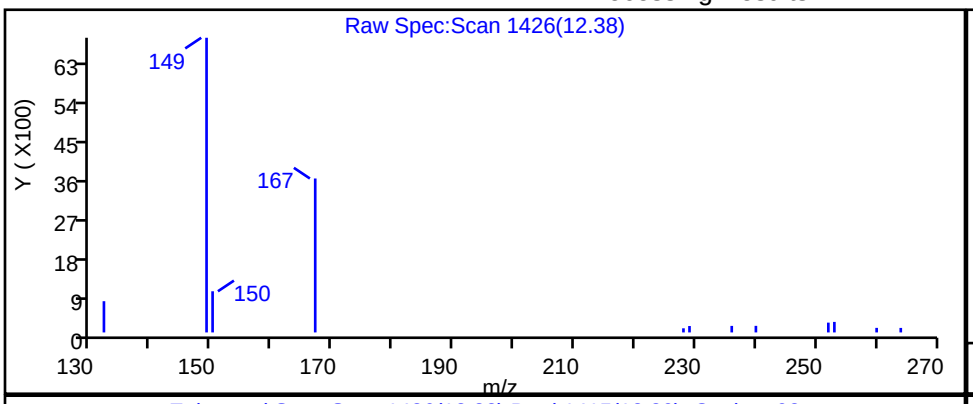
User Disabled Compound Report

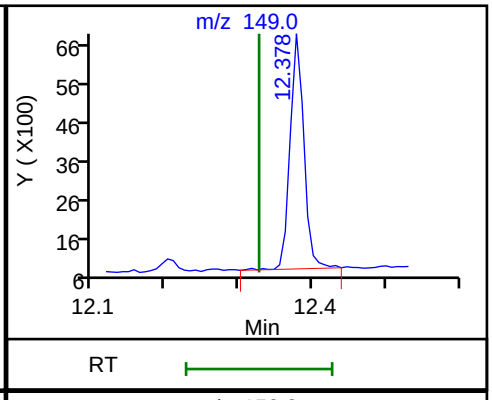
Eurofins Lancaster Laboratories Environment Testing, LLC

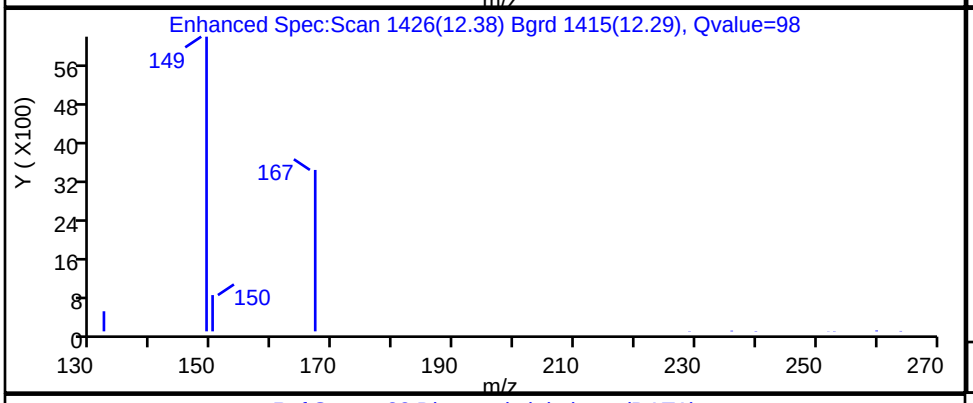
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0581.D				
Injection Date:	21-May-2022 04:48:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-5-A	Lab Sample ID:	410-84076-5		
Client ID:	FBS010_DUP-1_052022				
Operator ID:	kel10217	ALS Bottle#:	31	Worklist Smp#:	26
Injection Vol:	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		

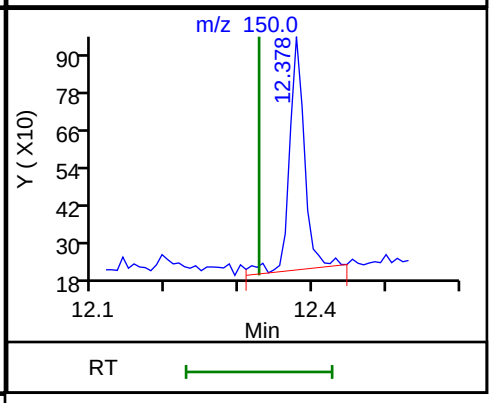
32 Di-n-octyl phthalate, CAS: 117-84-0

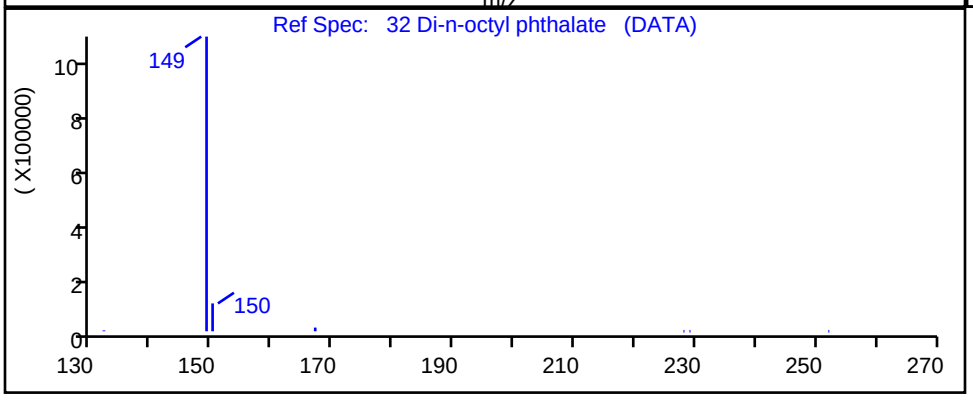
Processing Results











RT	Mass	Response	Amount
12.38	149.00	8078	0.016131
12.38	150.00	1075	

Reviewer: gamblerj, 23-May-2022 06:01:16

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 Env Job No.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-257357/7	ME1206.D
Level 2	IC 410-257357/6	ME1205.D
Level 3	IC 410-257357/5	ME1204.D
Level 4	ICIS 410-257357/2	ME1201.D
Level 5	IC 410-257357/4	ME1203.D
Level 6	IC 410-257357/3	ME1202.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5642 0.7453	0.6680	0.6832	0.8056	0.7664	Ave		0.7054				12.2		20.4			
N-Nitrosodimethylamine	0.7878 0.9455	0.8317	0.8335	0.9764	0.9373	Ave		0.8854				8.7		20.4			
Bis(2-chloroethyl)ether	0.5107 0.5178	0.5131	0.4997	0.5712	0.5258	Ave		0.5231				4.8		20.4			
Naphthalene	1.3038 1.4122	1.3333	1.3101	1.5808	1.4023	Ave		1.3904				7.5		20.4			
Quinoline	0.6973 0.8806	0.7568	0.7581	0.8971	0.8519	Ave		0.8070				10.0		20.4			
2-Methylnaphthalene	0.8402 0.9079	0.8283	0.8111	0.9551	0.8849	Ave		0.8713				6.3		20.4			
1-Methylnaphthalene	0.7791 0.8464	0.7758	0.7585	0.9110	0.8266	Ave		0.8162				7.0		20.4			
Dimethylphthalate	1.3387 1.3561	1.3644	1.3873	1.4614	1.5080	Ave		1.4027				4.8		20.4			
Acenaphthylene	2.1094 2.5443	2.2071	2.2085	2.5888	2.4940	Ave		2.3587				8.8		20.4			
Acenaphthene	1.3966 1.5481	1.4396	1.4320	1.6405	1.5201	Ave		1.4961				6.1		20.4			
Dibenzofuran	2.2323 2.3871	2.2863	2.2986	2.6330	2.3655	Ave		2.3671				6.0		20.4			
Diethylphthalate	1.2409 1.4581	1.2704	1.3188	1.4838	1.5207	Ave		1.3821				8.7		20.4			
Fluorene	1.6868 1.8734	1.6931	1.6966	2.0062	1.9205	Ave		1.8128				7.7		20.4			
N-Nitrosodiphenylamine	0.5517 0.6215	0.5535	0.5599	0.6413	0.5944	Ave		0.5870				6.5		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobenzene	0.2634 0.2701	0.2621	0.2545	0.2769	0.2613	Ave		0.2647				2.9		20.4			
Phenanthrene	1.4563 1.5151	1.4143	1.3881	1.5524	1.4552	Ave		1.4636				4.2		20.4			
Anthracene	1.2153 1.4932	1.2549	1.2622	1.4998	1.4033	Ave		1.3548				9.4		20.4			
Di-n-butyl phthalate	0.9890 1.0052	1.0385	1.0952	1.3124	1.3640	Ave		1.1340				14.4		20.4			
Fluoranthene	1.4678 1.7238	1.4954	1.5074	1.7681	1.6308	Ave		1.5989				8.0		20.4			
Pyrene	2.2557 2.2488	2.2281	2.1563	2.4069	2.1966	Ave		2.2487				3.8		20.4			
Butylbenzylphthalate	0.5455 0.7811	0.5845	0.6175	0.7780	0.7632	Ave		0.6783				15.9		20.4			
Benzo[a]anthracene	1.6297 1.7842	1.5651	1.5503	1.8504	1.6755	Ave		1.6759				7.2		20.4			
Chrysene	1.8316 1.8413	1.8983	1.8493	2.0209	1.8165	Ave		1.8763				4.1		20.4			
Bis(2-ethylhexyl) phthalate	0.7246 1.1150	0.7748	0.8442	1.0719	1.0833	Ave		0.9356				18.6		20.4			
Di-n-octyl phthalate	1.2383 1.6247	1.2913	1.3913	1.7724	1.7676	Ave		1.5143				15.7		20.4			
Benzo[b]fluoranthene	1.7624 1.7142	1.7040	1.6944	1.9502	1.6688	Ave		1.7490				5.9		20.4			
Benzo[k]fluoranthene	1.6716 1.7513	1.7985	1.8254	1.9855	1.8515	Ave		1.8140				5.8		20.4			
Benzo[e]pyrene	1.6738 1.5945	1.6674	1.6401	1.8011	1.6267	Ave		1.6673				4.3		20.4			
Benzo[a]pyrene	1.4356 1.6385	1.5050	1.5594	1.8002	1.6403	Ave		1.5965				8.0		20.4			
Perylene	1.8595 1.6225	1.7002	1.6762	1.7994	1.6223	Ave		1.7133				5.7		20.4			
Indeno[1,2,3-cd]pyrene	1.0022 1.3178	1.0893	1.1284	1.3984	1.2674	Ave		1.2006				12.6		20.4			
Dibenz(a,h)anthracene	0.9653 1.4609	1.1141	1.1884	1.5136	1.3978	Ave		1.2733				17.1		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[g,h,i]perylene	1.2384 1.5323	1.3531	1.3882	1.6650	1.5006	Ave		1.4463				10.4		20.4			
1-Methylnaphthalene-d10 (Surr)	0.5958 0.6444	0.5988	0.5867	0.6873	0.6331	Ave		0.6244				6.1		20.4			
Fluoranthene-d10 (Surr)	1.0466 1.2569	1.0988	1.1043	1.2790	1.1977	Ave		1.1639				8.1		20.4			
Benzo(a)pyrene-d12 (Surr)	0.9877 1.0936	0.9925	0.9949	1.1730	1.0839	Ave		1.0543				7.1		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-257357/7	ME1206.D
Level 2	IC 410-257357/6	ME1205.D
Level 3	IC 410-257357/5	ME1204.D
Level 4	ICIS 410-257357/2	ME1201.D
Level 5	IC 410-257357/4	ME1203.D
Level 6	IC 410-257357/3	ME1202.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	1358 439392	8471	18362	92488	189750	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	1896 557393	10547	22404	112108	232065	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	3987 1057420	21111	44533	214600	441605	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Ave	10178 2884016	54854	116743	593923	1177860	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	5443 1798370	31135	67553	337065	715568	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	6559 1854262	34076	72278	358828	743275	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	6082 1728564	31918	67587	342284	694295	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	136687 6249278	298363	650930	1538421	3481205	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	8615 2931194	48264	103626	545054	1151460	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	5704 1783498	31480	67191	345388	701807	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	9117 2750141	49996	107853	554343	1092143	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	126702 6719312	277815	618787	1562026	3510480	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	6889	37023	79608	422375	886690	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.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

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
			2158337					2.50				
N-Nitrosodiphenylamine	PHN	Ave	4082 1303745	22179	48798	250559	521010	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	1949 566579	10505	22182	108193	229066	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Ave	10776 3178130	56676	120994	606500	1275500	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	8993 3132161	50289	110015	585956	1230021	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	182946 8434189	416161	954635	2563655	5977745	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	10861 3615858	59923	131387	690805	1429360	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	11638 3778225	63152	136786	719466	1488449	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	70358 5249560	165680	391723	1162719	2585934	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	8408 2997730	44360	98346	553101	1135327	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	9450 3093670	53804	117309	604066	1230905	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	93465 7493381	219591	535510	1602014	3670329	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	136710 11406979	326378	817392	2578526	5907422	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	7783 3008685	43070	99549	567435	1115444	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	7382 3073931	45458	107244	577683	1237554	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	7392 2798679	42144	96358	524044	1087316	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	6340 2875955	38039	91614	523783	1096368	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	8212 2847709	42973	98480	523536	1084336	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	4426	27532	66294	406864	847150	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.: 410-84076-1 Analy Batch No.: 257357

SDG No.:

Instrument ID: HP21585 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/20/2022 07:20 Calibration End Date: 05/20/2022 09:08 Calibration ID: 38577

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
			2312987					2.50				
Dibenz(a,h)anthracene	PRY	Ave	4263 2564232	28158	69819	440384	934291	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	5469 2689479	34201	81561	484440	1003001	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	4651 1316106	24636	52282	258212	531751	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	7744 2636486	44030	96253	499715	1049745	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	4362 1919444	25086	58452	341295	724484	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1201.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 20-May-2022 07:20:26 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L4
Misc. Info.: 410-0057668-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:35:03 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 08:06:56

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	1.764	1.764	0.000	88	92488	0.5000	0.5710	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	91	112108	0.5000	0.5514	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	84	214600	0.5000	0.5460	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	88	57406	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	187858	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	593923	0.5000	0.5685	
7 Quinoline	129	6.065	6.065	0.000	96	337065	0.5000	0.5559	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	99	358828	0.5000	0.5481	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	258212	0.5000	0.5504	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	98	342284	0.5000	0.5581	
11 Dimethyl phthalate	163	7.143	7.143	0.000	78	1538421	2.50	2.60	
12 Acenaphthylene	152	7.262	7.262	0.000	99	545054	0.5000	0.5488	
* 13 Acenaphthene-d10	164	7.399	7.399	0.000	88	105270	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	85	345388	0.5000	0.5482	
15 Dibenzofuran	168	7.596	7.596	0.000	83	554343	0.5000	0.5561	
16 Diethyl phthalate	149	7.812	7.812	0.000	99	1562026	2.50	2.68	
17 Fluorene	166	7.921	7.921	0.000	99	422375	0.5000	0.5533	
18 N-Nitrosodiphenylamine	169	8.038	8.038	0.000	99	250559	0.5000	0.5462	
19 Hexachlorobenzene	284	8.436	8.436	0.000	99	108193	0.5000	0.5230	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	94	195348	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	606500	0.5000	0.5303	
22 Anthracene	178	8.881	8.881	0.000	100	585956	0.5000	0.5535	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	2563655	2.50	2.89	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	499715	0.5000	0.5495	
25 Fluoranthene	202	9.969	9.969	0.000	100	690805	0.5000	0.5529	
26 Pyrene	202	10.182	10.182	0.000	100	719466	0.5000	0.5352	
27 Butyl benzyl phthalate	149	10.862	10.862	0.000	100	1162719	2.50	2.87	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	553101	0.5000	0.5521	
* 29 Chrysene-d12	240	11.475	11.475	0.000	72	149457	0.2500	0.2500	
30 Chrysene	228	11.506	11.506	0.000	100	604066	0.5000	0.5385	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.537	11.537	0.000	100	1602014	2.50	2.86	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	2578526	2.50	2.93	
33 Benzo[b]fluoranthene	252	12.871	12.871	0.000	100	567435	0.5000	0.5575	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	577683	0.5000	0.5473	
35 Benzo[e]pyrene	252	13.262	13.262	0.000	100	524044	0.5000	0.5401	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.301	13.301	0.000	100	341295	0.5000	0.5563	
37 Benzo[a]pyrene	252	13.331	13.331	0.000	100	523783	0.5000	0.5638	
* 38 Perylene-d12	264	13.416	13.416	0.000	100	145479	0.2500	0.2500	
39 Perylene	252	13.454	13.454	0.000	100	523536	0.5000	0.5251	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	406864	0.5000	0.5824	M
41 Dibenz(a,h)anthracene	278	15.080	15.080	0.000	98	440384	0.5000	0.5943	
42 Benzo[g,h,i]perylene	276	15.475	15.475	0.000	100	484440	0.5000	0.5756	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00022 Amount Added: 1.00 Units: mL

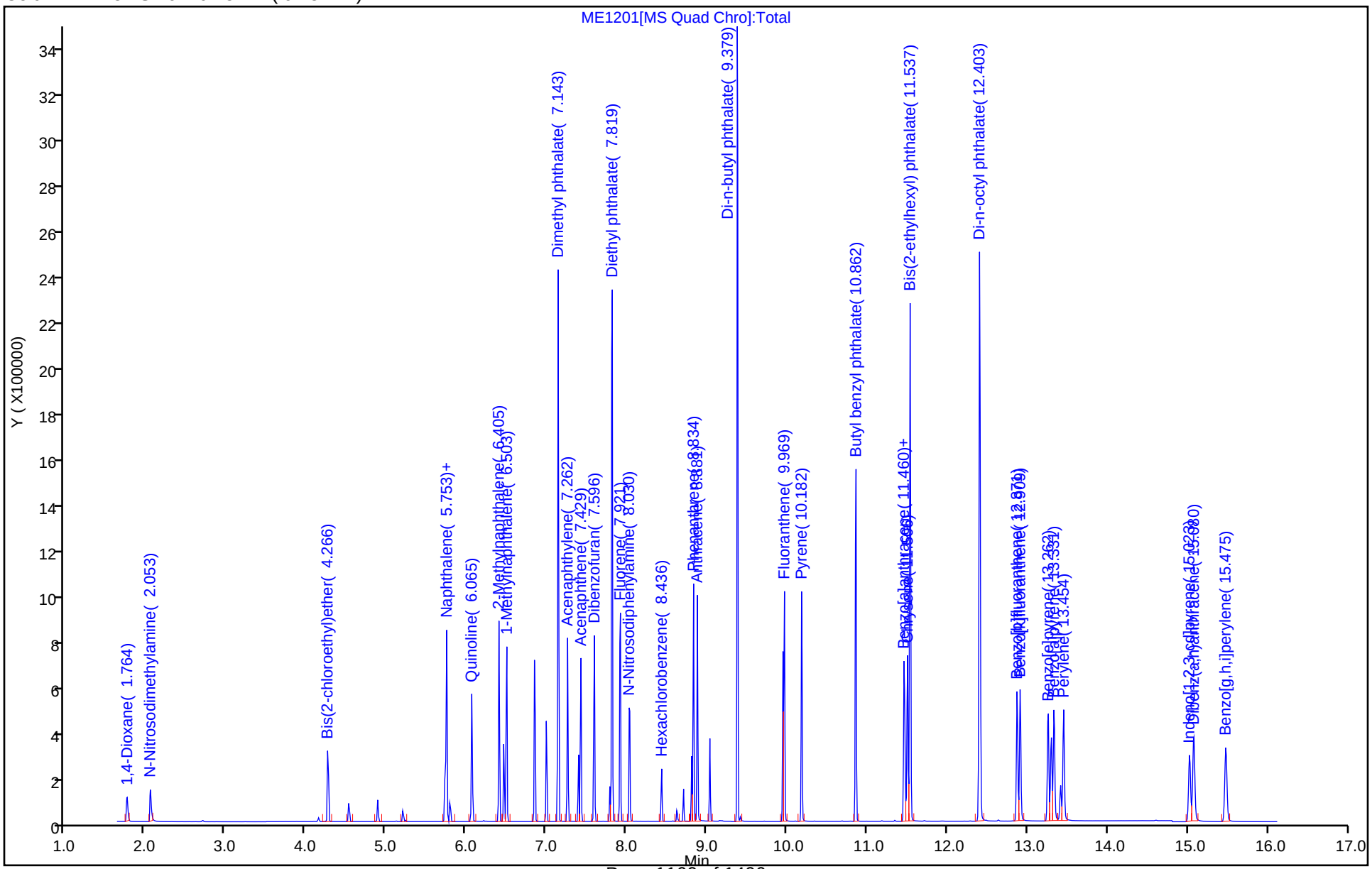
Report Date: 20-May-2022 09:35:04 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1201.D

Injection Date:	20-May-2022 07:20:26	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

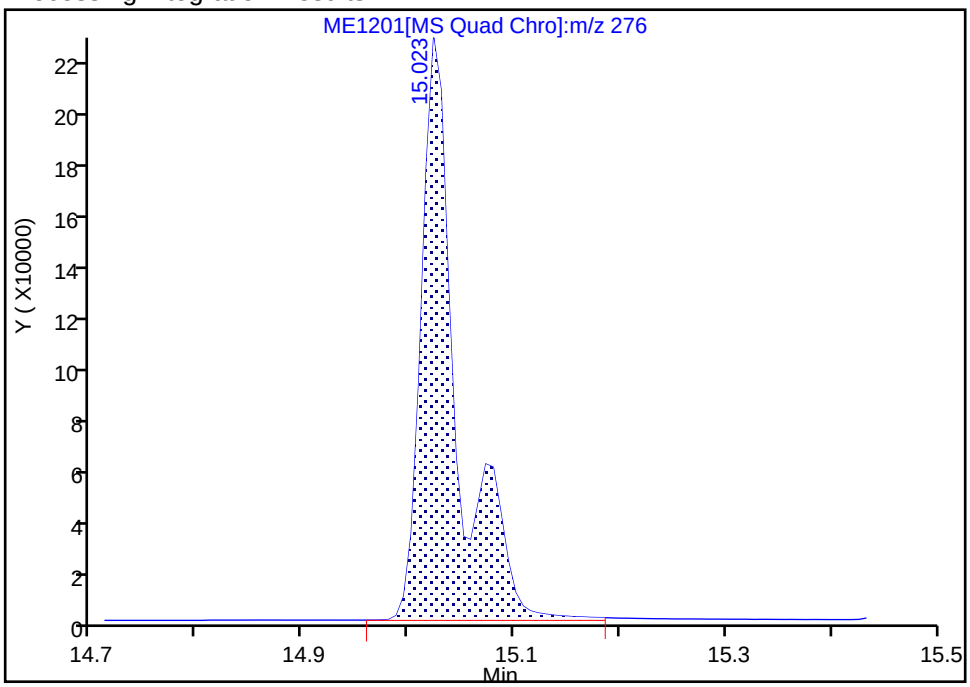
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1201.D				
Injection Date:	20-May-2022 07:20:26	Instrument ID:	HP21585		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

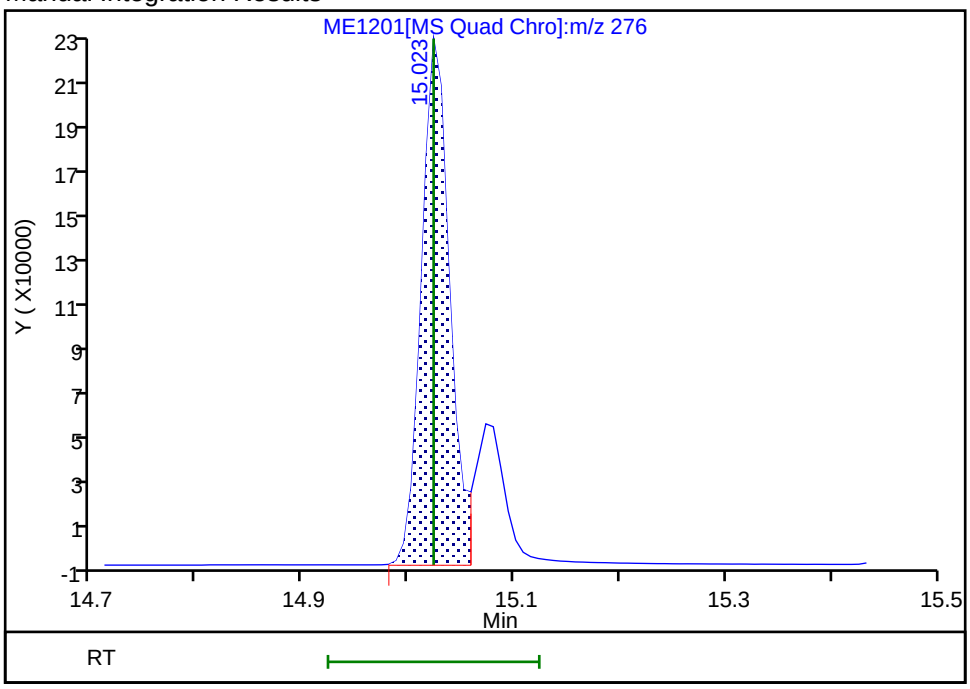
Processing Integration Results

RT: 15.02
Area: 523283
Amount: 0.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 406864
Amount: 0.582370
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 07:45:06

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1202.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-May-2022 07:41:55 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0057668-003
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:35:06 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 08:28:50

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.755	1.764	-0.009	89	439392	2.50	2.64	
	2 N-Nitrosodimethylamine	74	2.045	2.053	-0.008	92	557393	2.50	2.67	
	3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	80	1057420	2.50	2.47	
*	4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	58955	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.728	5.728	0.000	91	204227	0.2500	0.2500	
	6 Naphthalene	128	5.753	5.753	0.000	92	2884016	2.50	2.54	
	7 Quinoline	129	6.065	6.065	0.000	98	1798370	2.50	2.73	
	8 2-Methylnaphthalene	142	6.405	6.405	0.000	97	1854262	2.50	2.61	
$	9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	1316106	2.50	2.58	
	10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	1728564	2.50	2.59	
	11 Dimethyl phthalate	163	7.143	7.143	0.000	79	6249278	10.0	9.67	
	12 Acenaphthylene	152	7.262	7.262	0.000	99	2931194	2.50	2.70	
*	13 Acenaphthene-d10	164	7.399	7.399	0.000	86	115207	0.2500	0.2500	
	14 Acenaphthene	154	7.429	7.429	0.000	92	1783498	2.50	2.59	
	15 Dibenzofuran	168	7.596	7.596	0.000	83	2750141	2.50	2.52	
	16 Diethyl phthalate	149	7.812	7.812	0.000	99	6719312	10.0	10.5	
	17 Fluorene	166	7.913	7.921	-0.008	100	2158337	2.50	2.58	
	18 N-Nitrosodiphenylamine	169	8.030	8.038	-0.008	99	1303745	2.50	2.65	
	19 Hexachlorobenzene	284	8.436	8.436	0.000	98	566579	2.50	2.55	
*	20 Phenanthrene-d10	188	8.811	8.811	0.000	95	209761	0.2500	0.2500	
	21 Phenanthrene	178	8.834	8.834	0.000	100	3178130	2.50	2.59	
	22 Anthracene	178	8.881	8.881	0.000	100	3132161	2.50	2.76	
	23 Di-n-butyl phthalate	149	9.385	9.379	0.006	99	8434189	10.0	8.86	
$	24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	2636486	2.50	2.70	
	25 Fluoranthene	202	9.968	9.969	-0.001	100	3615858	2.50	2.70	
	26 Pyrene	202	10.182	10.182	0.000	100	3778225	2.50	2.50	
	27 Butyl benzyl phthalate	149	10.862	10.862	0.000	100	5249560	10.0	11.5	
	28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	2997730	2.50	2.66	
*	29 Chrysene-d12	240	11.475	11.475	0.000	96	168013	0.2500	0.2500	
	30 Chrysene	228	11.506	11.506	0.000	100	3093670	2.50	2.45	

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	11.536	11.537	0.000	100	7493381	10.0	11.9	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	11406979	10.0	10.7	
33 Benzo[b]fluoranthene	252	12.871	12.871	0.000	100	3008685	2.50	2.45	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	3073931	2.50	2.41	
35 Benzo[e]pyrene	252	13.262	13.262	0.000	100	2798679	2.50	2.39	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.300	13.301	-0.001	100	1919444	2.50	2.59	
37 Benzo[a]pyrene	252	13.331	13.331	0.000	100	2875955	2.50	2.57	
* 38 Perylene-d12	264	13.416	13.416	0.000	99	175519	0.2500	0.2500	
39 Perylene	252	13.454	13.454	0.000	100	2847709	2.50	2.37	
40 Indeno[1,2,3-cd]pyrene	276	15.030	15.023	0.007	98	2312987	2.50	2.74	M
41 Dibenz(a,h)anthracene	278	15.080	15.080	0.000	98	2564232	2.50	2.87	
42 Benzo[g,h,i]perylene	276	15.482	15.475	0.007	100	2689479	2.50	2.65	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_6_00014 Amount Added: 1.00 Units: mL

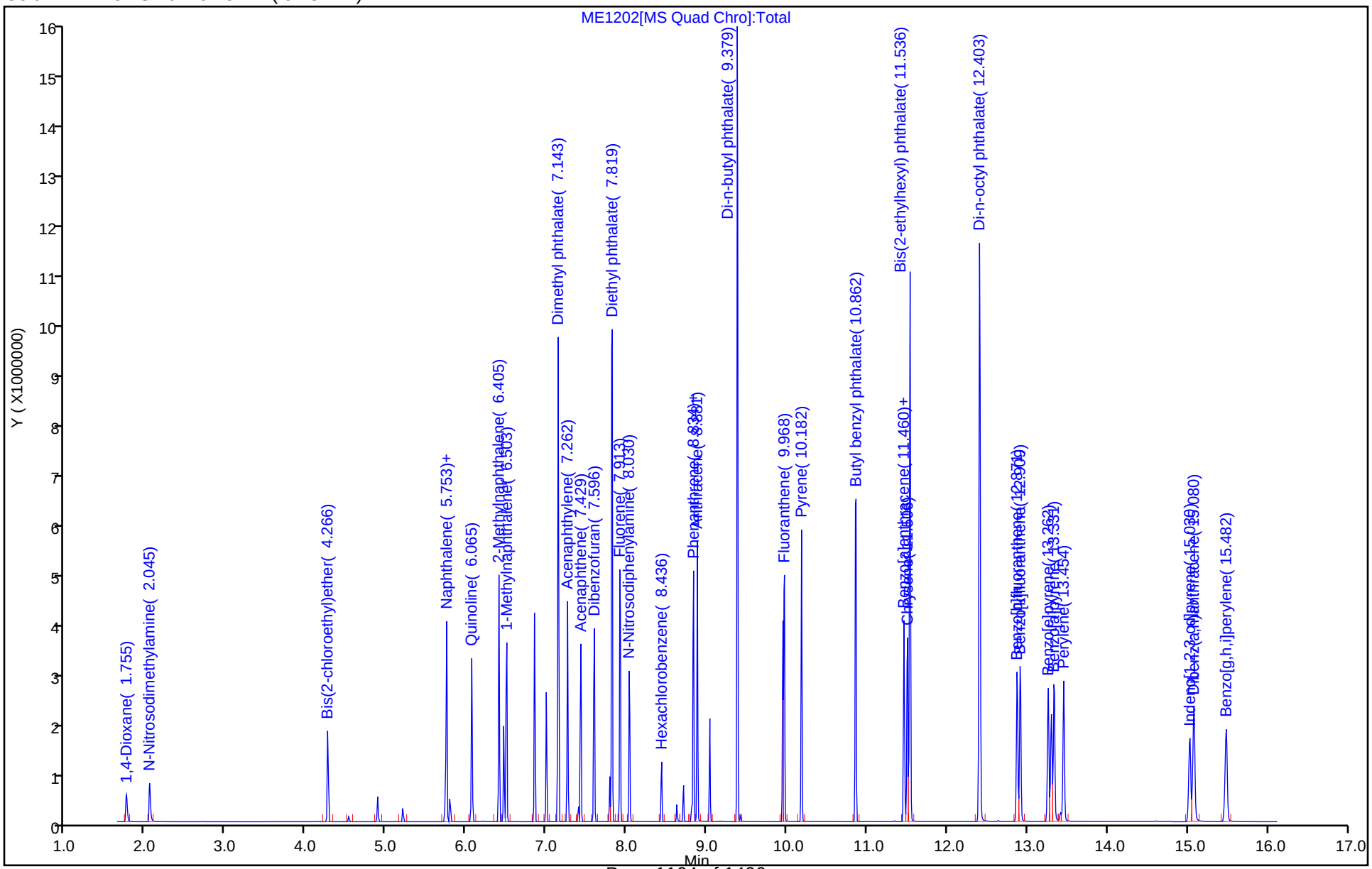
Report Date: 20-May-2022 09:35:07 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1202.D

Injection Date:	20-May-2022 07:41:55	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

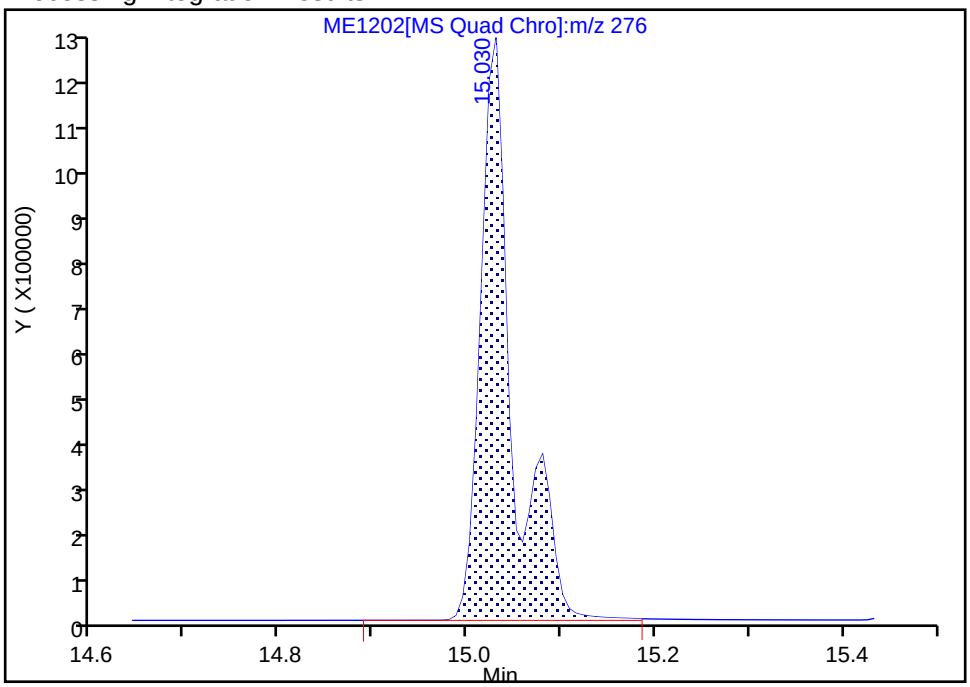
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1202.D				
Injection Date:	20-May-2022 07:41:55	Instrument ID:	HP21585		
Lims ID:	IC L6				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

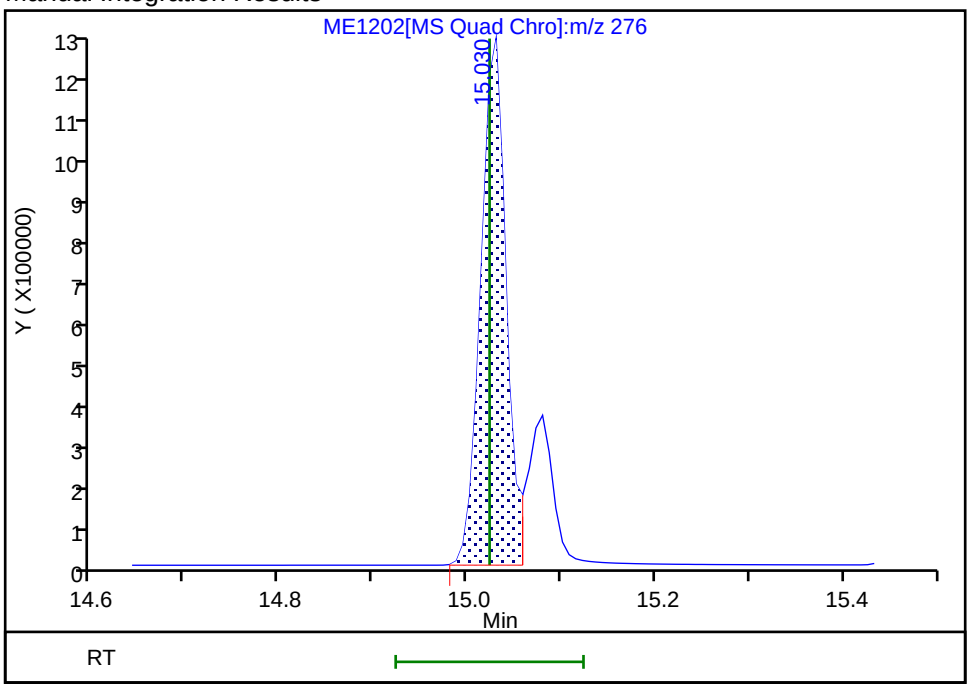
Processing Integration Results

RT: 15.03
Area: 2971614
Amount: 2.738309
Amount Units: ug/ml



Manual Integration Results

RT: 15.03
Area: 2312987
Amount: 2.744095
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 08:07:28

Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 20-May-2022 09:35:10 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1203.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-May-2022 08:03:29 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0057668-004
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:35:09 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 08:49:22

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	1.760	1.764	-0.004	88	189750	1.00	1.09	
2 N-Nitrosodimethylamine	74	2.049	2.053	-0.004	92	232065	1.00	1.06	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	80	441605	1.00	1.01	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	61900	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	209984	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	1177860	1.00	1.01	
7 Quinoline	129	6.065	6.065	0.000	98	715568	1.00	1.06	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	98	743275	1.00	1.02	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	531751	1.00	1.01	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	694295	1.00	1.01	
11 Dimethyl phthalate	163	7.143	7.143	0.000	77	3481205	5.00	5.38	
12 Acenaphthylene	152	7.262	7.262	0.000	96	1151460	1.00	1.06	
* 13 Acenaphthene-d10	164	7.400	7.399	0.001	87	115422	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	86	701807	1.00	1.02	
15 Dibenzofuran	168	7.596	7.596	0.000	83	1092143	1.00	1.00	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	3510480	5.00	5.50	
17 Fluorene	166	7.913	7.921	-0.008	100	886690	1.00	1.06	
18 N-Nitrosodiphenylamine	169	8.030	8.038	-0.008	99	521010	1.00	1.01	
19 Hexachlorobenzene	284	8.436	8.436	0.000	98	229066	1.00	0.9872	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	95	219123	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	1275500	1.00	0.99	
22 Anthracene	178	8.881	8.881	0.000	100	1230021	1.00	1.04	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	5977745	5.00	6.01	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	1049745	1.00	1.03	
25 Fluoranthene	202	9.969	9.969	0.000	100	1429360	1.00	1.02	
26 Pyrene	202	10.182	10.182	0.000	100	1488449	1.00	0.9768	
27 Butyl benzyl phthalate	149	10.854	10.862	-0.008	100	2585934	5.00	5.63	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	1135327	1.00	1.00	
* 29 Chrysene-d12	240	11.475	11.475	0.000	73	169406	0.2500	0.2500	
30 Chrysene	228	11.498	11.506	-0.008	100	1230905	1.00	0.9681	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.537	11.537	0.001	100	3670329	5.00	5.79	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	5907422	5.00	5.84	
33 Benzo[b]fluoranthene	252	12.871	12.871	0.000	100	1115444	1.00	0.9541	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	1237554	1.00	1.02	
35 Benzo[e]pyrene	252	13.255	13.262	-0.007	100	1087316	1.00	0.9757	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.301	13.301	0.000	99	724484	1.00	1.03	
37 Benzo[a]pyrene	252	13.331	13.331	0.000	100	1096368	1.00	1.03	
* 38 Perylene-d12	264	13.416	13.416	0.000	99	167103	0.2500	0.2500	
39 Perylene	252	13.446	13.454	-0.008	100	1084336	1.00	0.9468	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	847150	1.00	1.06	M
41 Dibenz(a,h)anthracene	278	15.073	15.080	-0.007	97	934291	1.00	1.10	
42 Benzo[g,h,i]perylene	276	15.475	15.475	0.000	100	1003001	1.00	1.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_5_00016 Amount Added: 1.00 Units: mL

Report Date: 20-May-2022 09:35:10 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1203.D

Injection Date: 20-May-2022 08:03:29 Instrument ID: HP21585 Operator ID: jmg00346

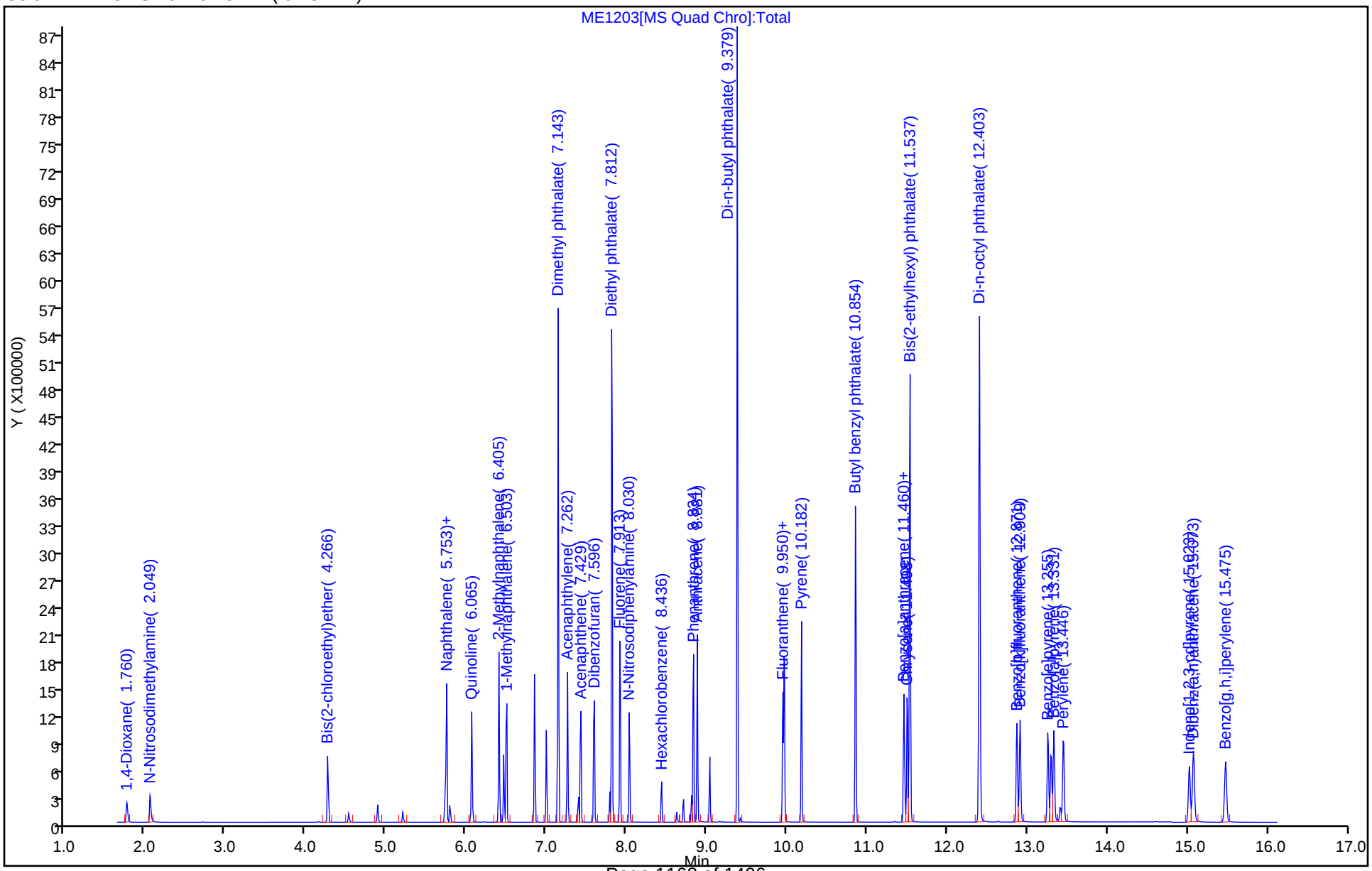
Lims ID: IC L5 Worklist Smp#: 4

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

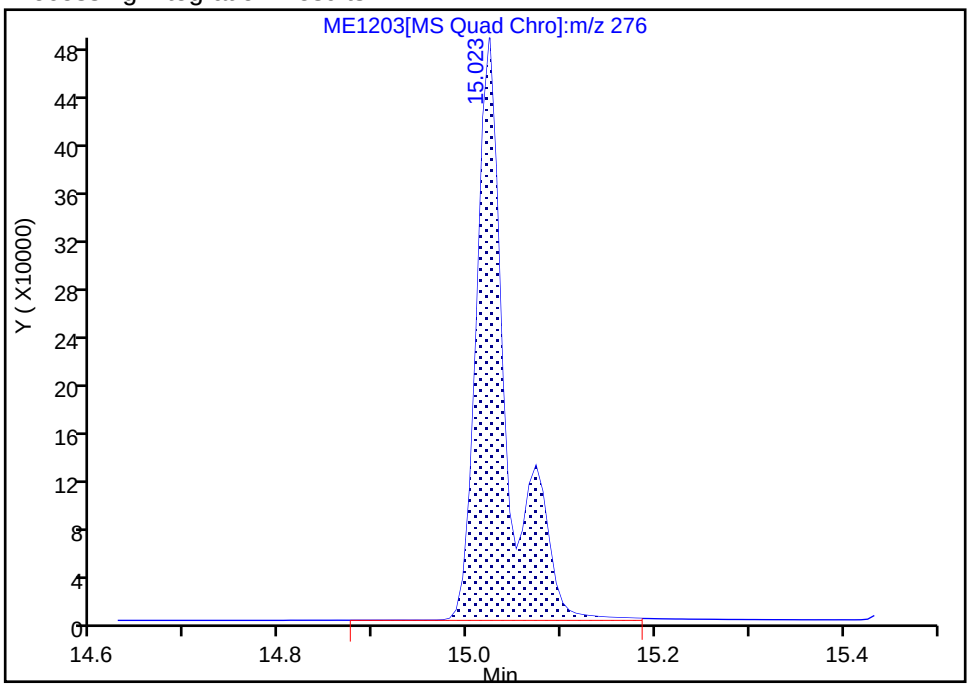
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1203.D				
Injection Date:	20-May-2022 08:03:29	Instrument ID:	HP21585		
Lims ID:	IC L5				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

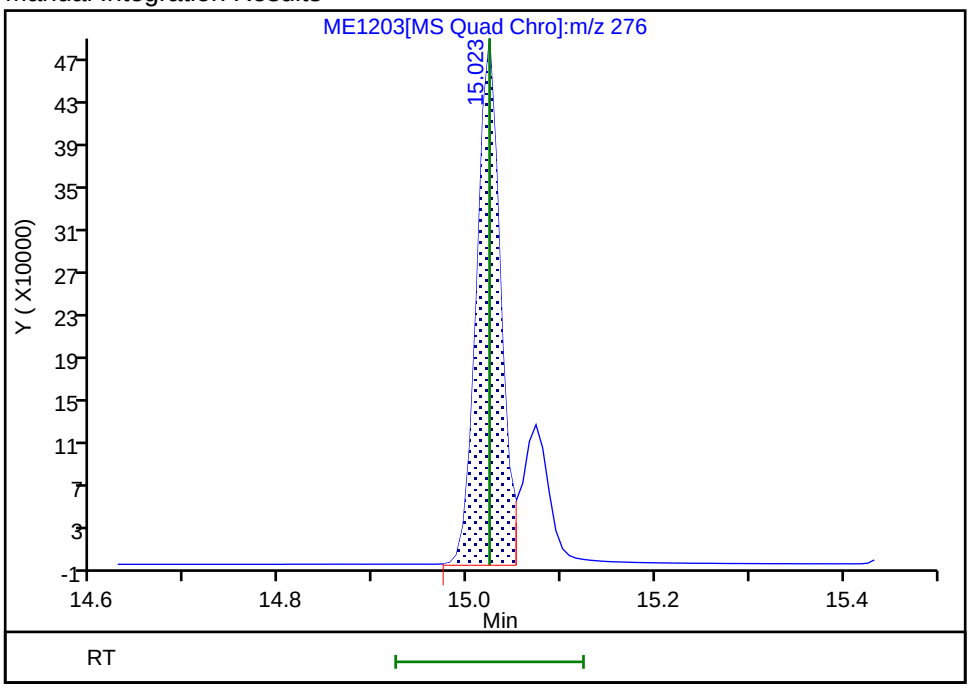
Processing Integration Results

RT: 15.02
Area: 1099651
Amount: 1.131653
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 847150
Amount: 1.055665
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 08:29:04

Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 20-May-2022 09:35:13 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1204.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-May-2022 08:24:58 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0057668-005
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:35:12 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 09:09:56

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	1.769	1.764	0.004	88	18362	0.1000	0.0968	M
2 N-Nitrosodimethylamine	74	2.062	2.053	0.009	92	22404	0.1000	0.0941	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	80	44533	0.1000	0.0955	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	67196	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	222777	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	116743	0.1000	0.0942	
7 Quinoline	129	6.065	6.065	0.000	96	67553	0.1000	0.0939	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	98	72278	0.1000	0.0931	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	52282	0.1000	0.0940	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	96	67587	0.1000	0.0929	
11 Dimethyl phthalate	163	7.143	7.143	0.000	75	650930	1.00	0.9890	
12 Acenaphthylene	152	7.262	7.262	0.000	99	103626	0.1000	0.0936	
* 13 Acenaphthene-d10	164	7.399	7.399	0.000	86	117304	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	86	67191	0.1000	0.0957	
15 Dibenzofuran	168	7.596	7.596	0.000	83	107853	0.1000	0.0971	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	618787	1.00	0.9542	
17 Fluorene	166	7.913	7.921	-0.008	100	79608	0.1000	0.0936	
18 N-Nitrosodiphenylamine	169	8.030	8.038	-0.008	98	48798	0.1000	0.0954	
19 Hexachlorobenzene	284	8.436	8.436	0.000	98	22182	0.1000	0.0961	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	95	217906	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	120994	0.1000	0.0948	
22 Anthracene	178	8.881	8.881	0.000	100	110015	0.1000	0.0932	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	954635	1.00	0.9658	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	96253	0.1000	0.0949	
25 Fluoranthene	202	9.962	9.969	-0.007	100	131387	0.1000	0.0943	
26 Pyrene	202	10.182	10.182	0.000	100	136786	0.1000	0.0959	
27 Butyl benzyl phthalate	149	10.854	10.862	-0.008	100	391723	1.00	0.9104	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	98346	0.1000	0.0925	
* 29 Chrysene-d12	240	11.467	11.475	-0.008	64	158589	0.2500	0.2500	
30 Chrysene	228	11.498	11.506	-0.008	100	117309	0.1000	0.0986	

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	11.529	11.537	-0.007	100	535510	1.00	0.9023	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	817392	1.00	0.9188	
33 Benzo[b]fluoranthene	252	12.863	12.871	-0.008	100	99549	0.1000	0.0969	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	107244	0.1000	0.1006	
35 Benzo[e]pyrene	252	13.254	13.262	-0.008	100	96358	0.1000	0.0984	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.293	13.301	-0.008	100	58452	0.1000	0.0944	
37 Benzo[a]pyrene	252	13.331	13.331	0.000	100	91614	0.1000	0.0977	
* 38 Perylene-d12	264	13.416	13.416	0.000	100	146878	0.2500	0.2500	
39 Perylene	252	13.446	13.454	-0.008	100	98480	0.1000	0.0978	
40 Indeno[1,2,3-cd]pyrene	276	15.016	15.023	-0.007	98	66294	0.1000	0.0940	M
41 Dibenz(a,h)anthracene	278	15.073	15.080	-0.007	97	69819	0.1000	0.0933	
42 Benzo[g,h,i]perylene	276	15.468	15.475	-0.007	100	81561	0.1000	0.0960	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_3_00015 Amount Added: 1.00 Units: mL

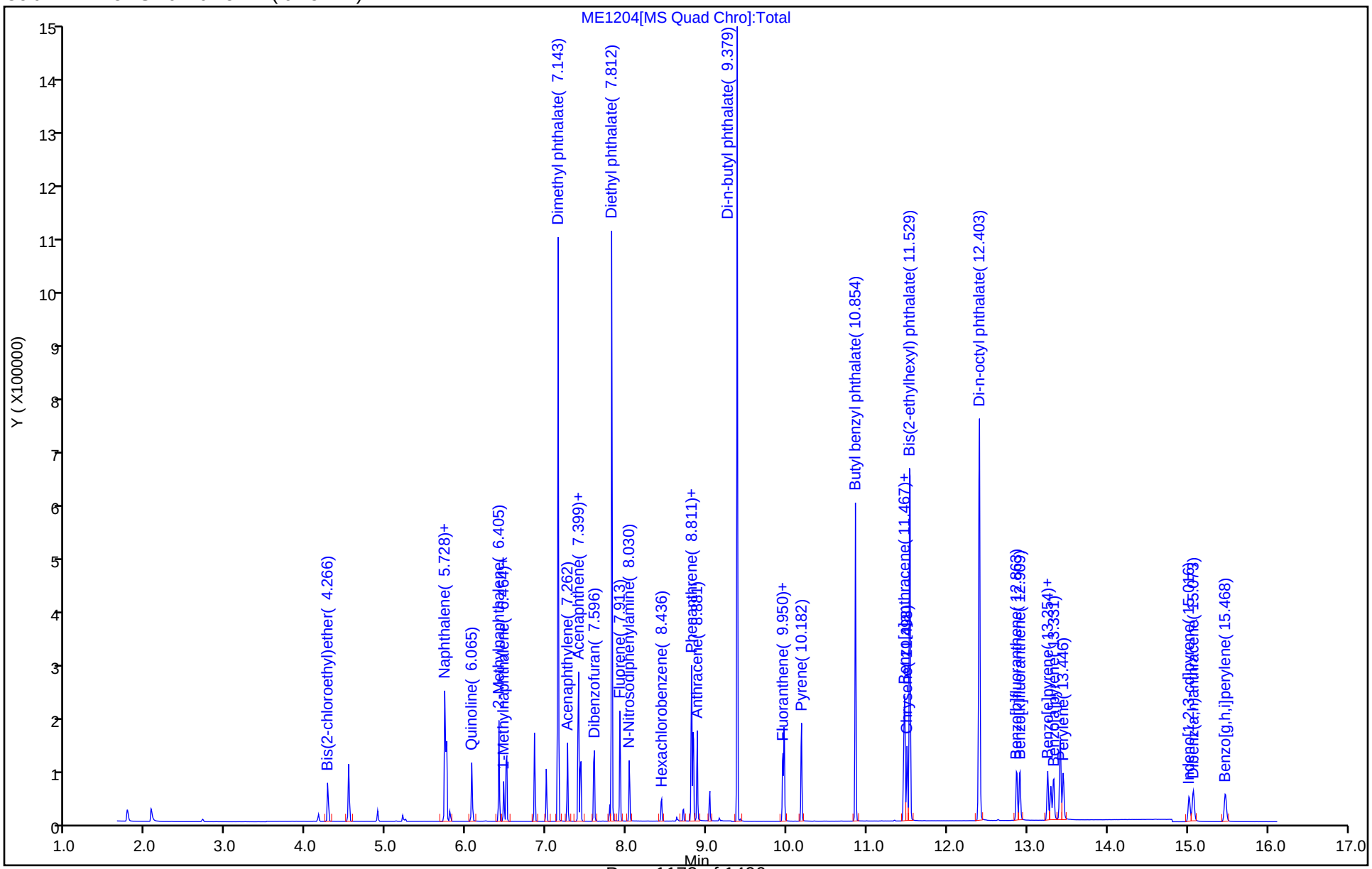
Report Date: 20-May-2022 09:35:13 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1204.D

Injection Date:	20-May-2022 08:24:58	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

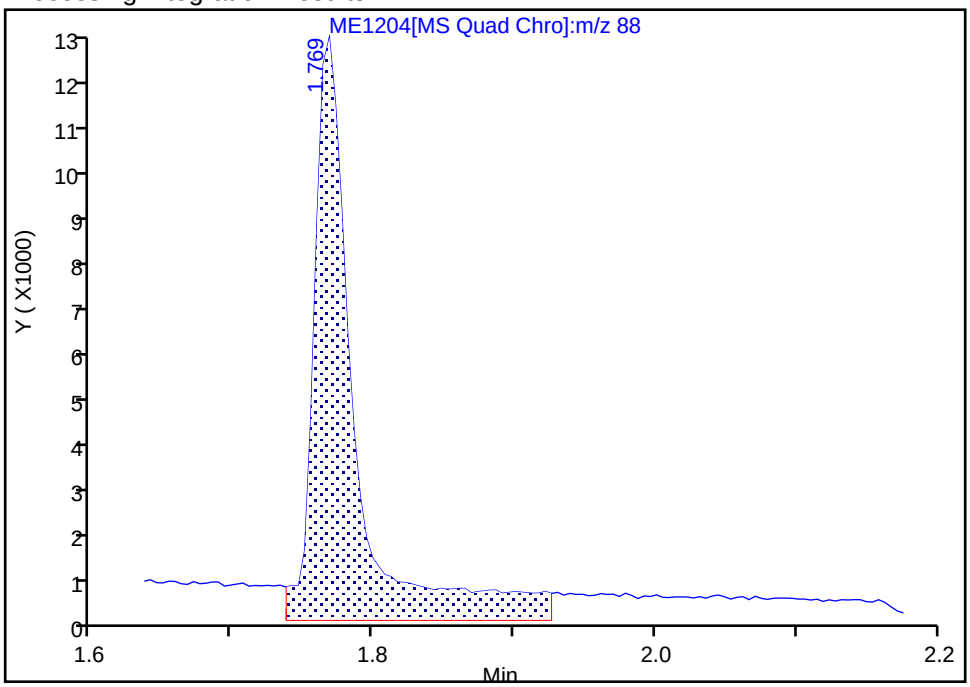
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1204.D				
Injection Date:	20-May-2022 08:24:58	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit 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

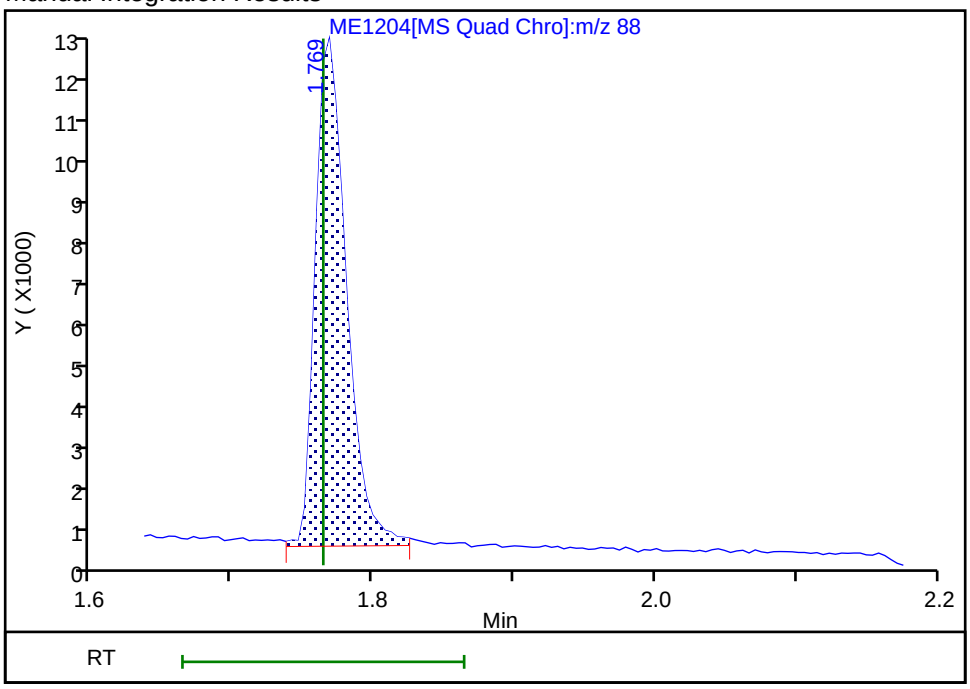
Processing Integration Results

RT: 1.77
Area: 25490
Amount: 0.116163
Amount Units: ug/ml



Manual Integration Results

RT: 1.77
Area: 18362
Amount: 0.096841
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 08:49:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

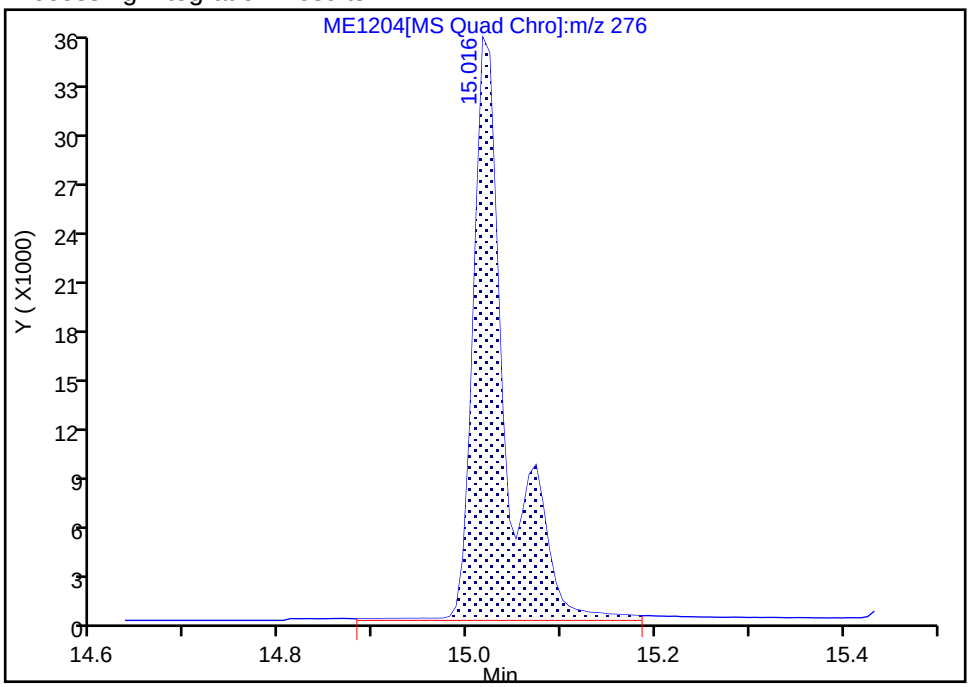
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1204.D				
Injection Date:	20-May-2022 08:24:58	Instrument ID:	HP21585		
Lims ID:	IC L3				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

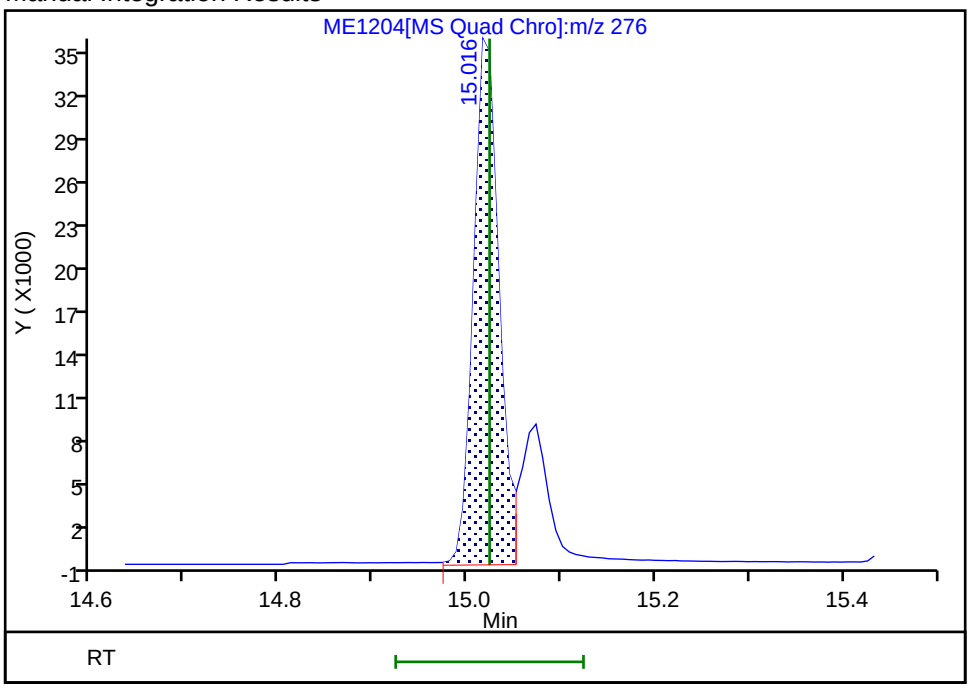
Processing Integration Results

RT: 15.02
Area: 86857
Amount: 0.108268
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 66294
Amount: 0.093987
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 08:49:41

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1205.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-May-2022 08:46:28 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0057668-006
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:50:35 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 09:50:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.773	1.764	0.009	86	8471	0.0500	0.0473	M
2 N-Nitrosodimethylamine	74	2.071	2.053	0.018	89	10547	0.0500	0.0470	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	81	21111	0.0500	0.0491	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	95	63405	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	205702	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	54854	0.0500	0.0479	
7 Quinoline	129	6.065	6.065	0.000	96	31135	0.0500	0.0469	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	98	34076	0.0500	0.0475	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	24636	0.0500	0.0480	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	31918	0.0500	0.0475	
11 Dimethyl phthalate	163	7.143	7.143	0.000	75	298363	0.5000	0.4864	
12 Acenaphthylene	152	7.262	7.262	0.000	99	48264	0.0500	0.0468	
* 13 Acenaphthene-d10	164	7.399	7.399	0.000	87	109338	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	92	31480	0.0500	0.0481	
15 Dibenzofuran	168	7.596	7.596	0.000	83	49996	0.0500	0.0483	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	277815	0.5000	0.4596	
17 Fluorene	166	7.913	7.921	-0.008	100	37023	0.0500	0.0467	
18 N-Nitrosodiphenylamine	169	8.030	8.038	-0.008	99	22179	0.0500	0.0471	
19 Hexachlorobenzene	284	8.436	8.436	0.000	98	10505	0.0500	0.0495	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	97	200363	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	56676	0.0500	0.0483	
22 Anthracene	178	8.881	8.881	0.000	100	50289	0.0500	0.0463	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	416161	0.5000	0.4579	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	44030	0.0500	0.0472	
25 Fluoranthene	202	9.962	9.969	-0.007	100	59923	0.0500	0.0468	
26 Pyrene	202	10.182	10.182	0.000	100	63152	0.0500	0.0495	
27 Butyl benzyl phthalate	149	10.854	10.862	-0.008	100	165680	0.5000	0.4309	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	44360	0.0500	0.0467	
* 29 Chrysene-d12	240	11.467	11.475	-0.008	59	141717	0.2500	0.2500	
30 Chrysene	228	11.498	11.506	-0.008	100	53804	0.0500	0.0506	

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	11.529	11.537	-0.007	100	219591	0.5000	0.4140	
32 Di-n-octyl phthalate	149	12.395	12.403	-0.008	100	326378	0.5000	0.4264	
33 Benzo[b]fluoranthene	252	12.863	12.871	-0.008	100	43070	0.0500	0.0487	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	45458	0.0500	0.0496	
35 Benzo[e]pyrene	252	13.254	13.262	-0.008	100	42144	0.0500	0.0500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.293	13.301	-0.008	100	25086	0.0500	0.0471	
37 Benzo[a]pyrene	252	13.323	13.331	-0.008	100	38039	0.0500	0.0471	
* 38 Perylene-d12	264	13.408	13.416	-0.008	99	126376	0.2500	0.2500	
39 Perylene	252	13.446	13.454	-0.008	100	42973	0.0500	0.0496	
40 Indeno[1,2,3-cd]pyrene	276	15.016	15.023	-0.007	98	27532	0.0500	0.0454	M
41 Dibenz(a,h)anthracene	278	15.073	15.080	-0.007	97	28158	0.0500	0.0437	
42 Benzo[g,h,i]perylene	276	15.475	15.475	0.000	100	34201	0.0500	0.0468	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_2_00017 Amount Added: 1.00 Units: mL

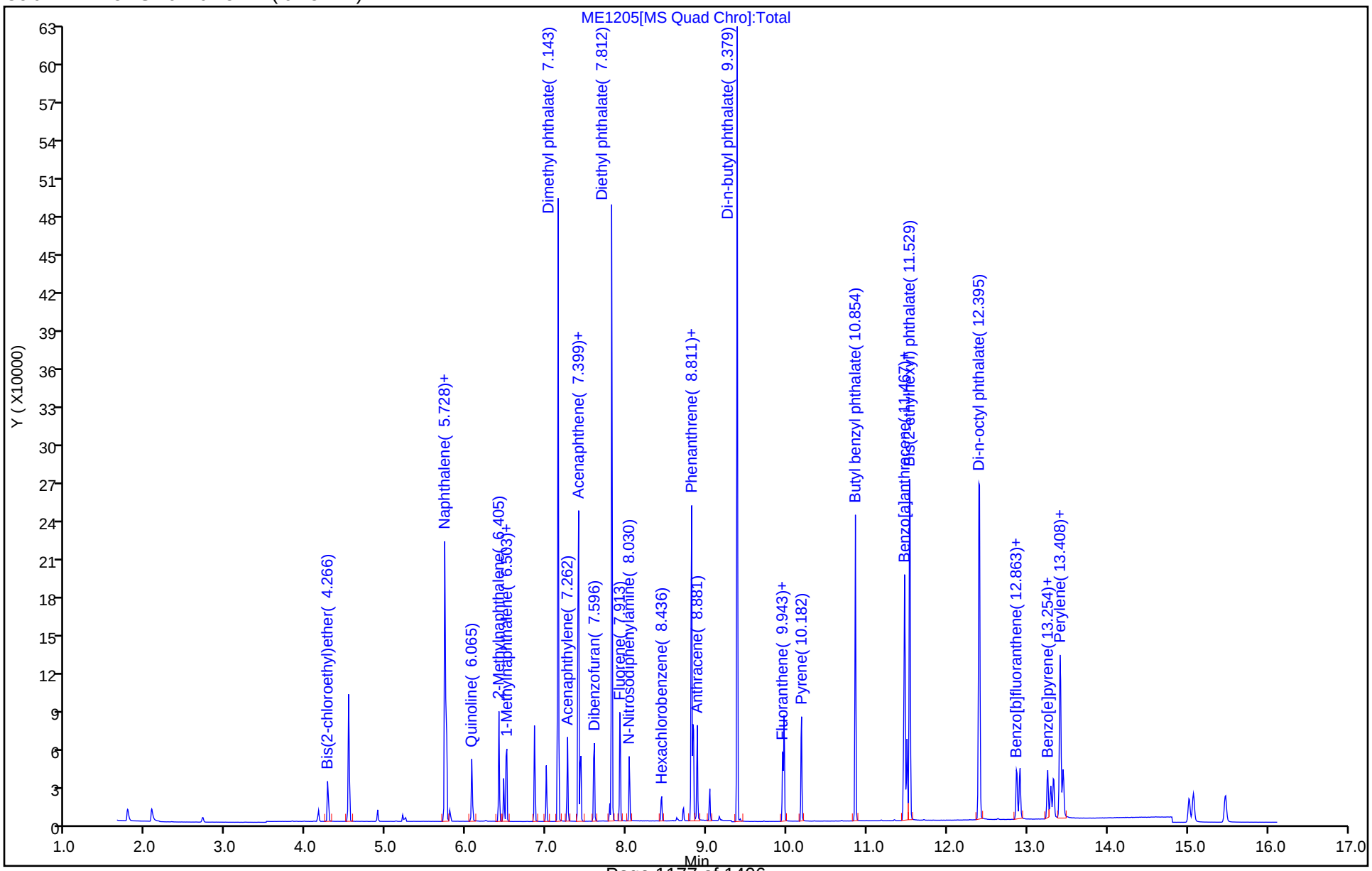
Report Date: 20-May-2022 09:50:35 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1205.D

Injection Date:	20-May-2022 08:46:28	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

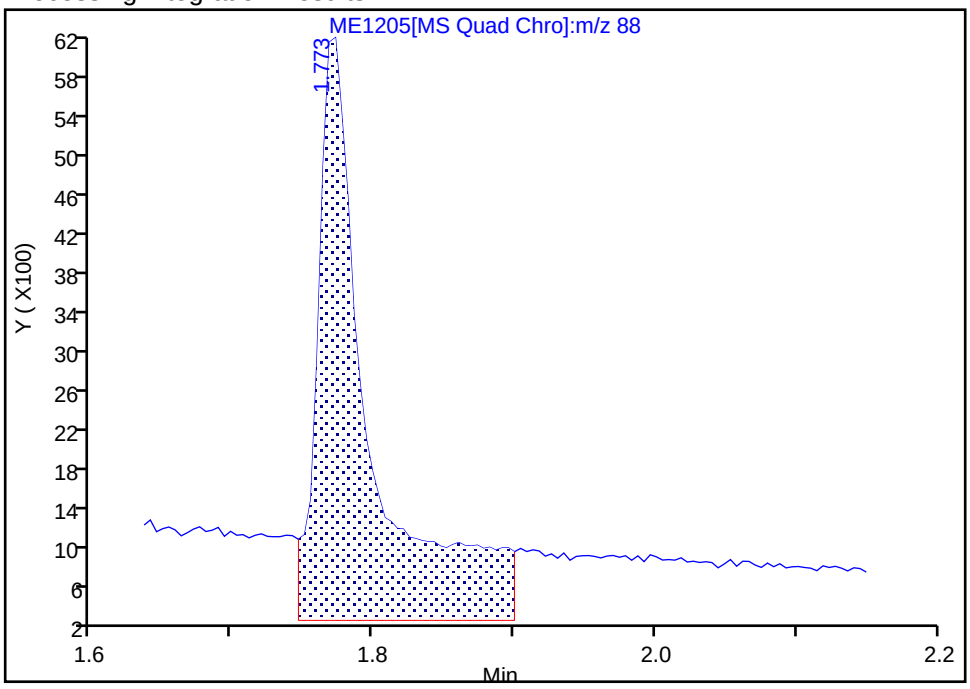
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1205.D
Injection Date: 20-May-2022 08:46:28 Instrument ID: HP21585
Lims ID: IC L2
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 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

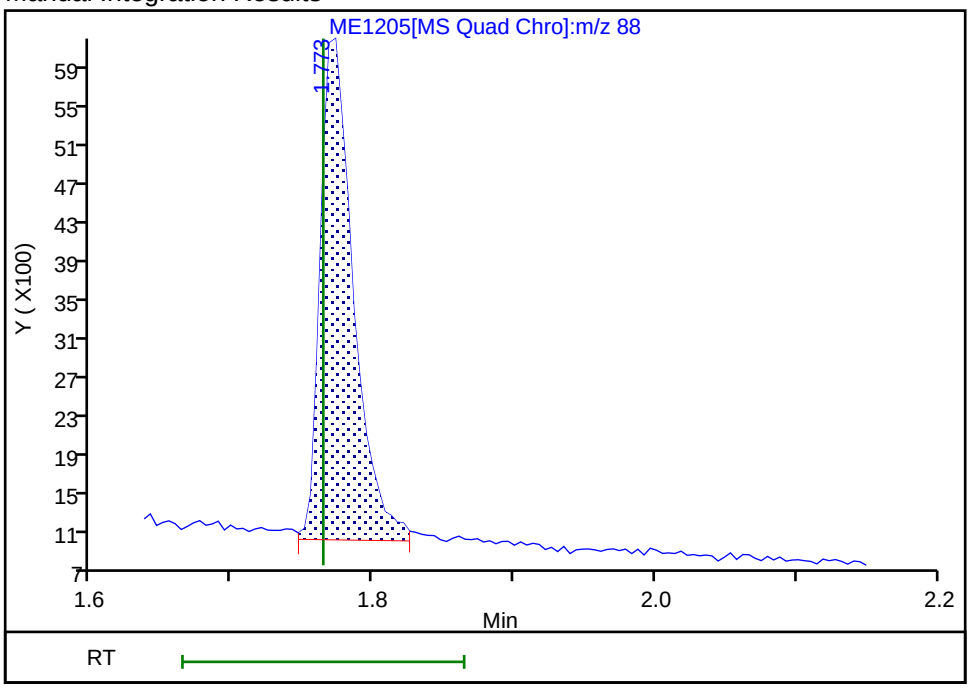
Processing Integration Results

RT: 1.77
Area: 15479
Amount: 0.061841
Amount Units: ug/ml



Manual Integration Results

RT: 1.77
Area: 8471
Amount: 0.047347
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 09:10:14
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

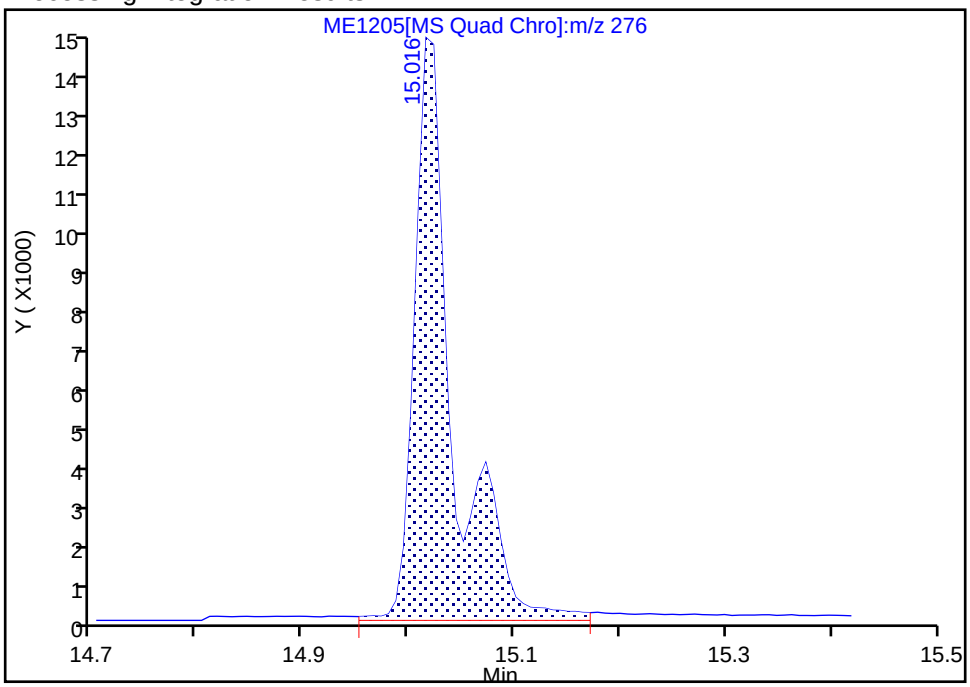
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1205.D				
Injection Date:	20-May-2022 08:46:28	Instrument ID:	HP21585		
Lims ID:	IC L2				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

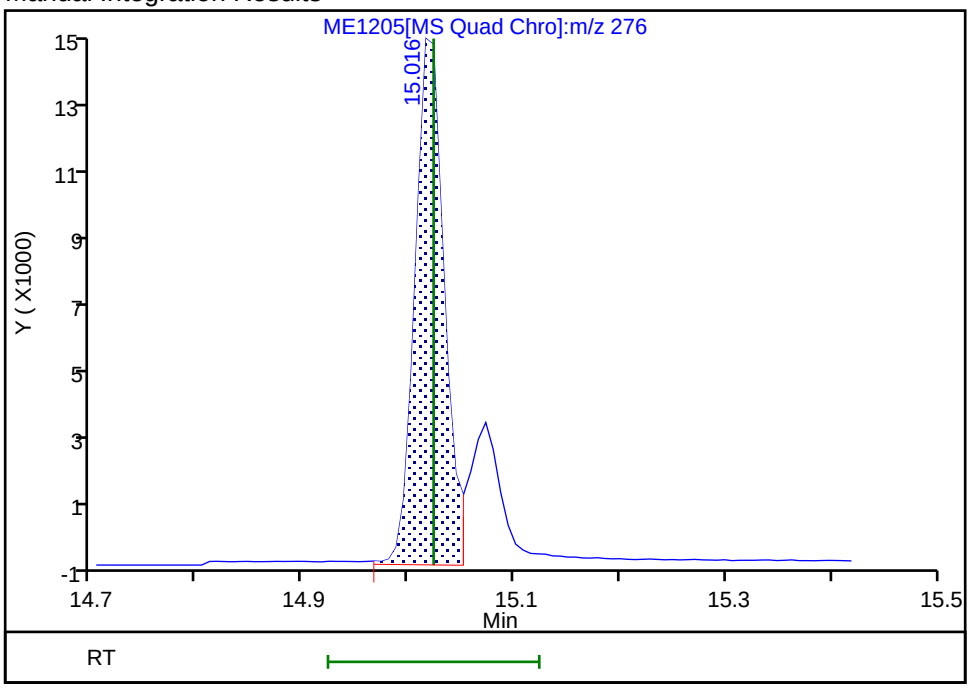
Processing Integration Results

RT: 15.02
Area: 36225
Amount: 0.054744
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 27532
Amount: 0.045365
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 09:10:44

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-May-2022 09:08:04 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0057668-007
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 09:35:15 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 09:33:08

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	1.782	1.782	0.000	87	1358	0.0100	0.007999	M
2 N-Nitrosodimethylamine	74	2.084	2.084	0.000	90	1896	0.0100	0.008898	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	82	3987	0.0100	0.009765	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	94	60169	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	195157	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	10178	0.0100	0.009377	
7 Quinoline	129	6.065	6.065	0.000	95	5443	0.0100	0.008641	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	98	6559	0.0100	0.009644	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	4651	0.0100	0.009543	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	6082	0.0100	0.009545	
11 Dimethyl phthalate	163	7.143	7.143	0.000	75	136687	0.2500	0.2386	
12 Acenaphthylene	152	7.262	7.262	0.000	99	8615	0.0100	0.008943	
* 13 Acenaphthene-d10	164	7.399	7.399	0.000	86	102103	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	85	5704	0.0100	0.009335	
15 Dibenzofuran	168	7.596	7.596	0.000	83	9117	0.0100	0.009430	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	126702	0.2500	0.2245	
17 Fluorene	166	7.913	7.913	0.000	100	6889	0.0100	0.009305	
18 N-Nitrosodiphenylamine	169	8.030	8.030	0.000	99	4082	0.0100	0.009397	
19 Hexachlorobenzene	284	8.436	8.436	0.000	99	1949	0.0100	0.0099	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	95	184988	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	10776	0.0100	0.0100	
22 Anthracene	178	8.881	8.881	0.000	100	8993	0.0100	0.008971	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	182946	0.2500	0.2180	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	7744	0.0100	0.008992	
25 Fluoranthene	202	9.962	9.962	0.000	100	10861	0.0100	0.009180	
26 Pyrene	202	10.182	10.182	0.000	100	11638	0.0100	0.0100	
27 Butyl benzyl phthalate	149	10.854	10.854	0.000	100	70358	0.2500	0.2010	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	8408	0.0100	0.009724	
* 29 Chrysene-d12	240	11.467	11.467	0.000	56	128983	0.2500	0.2500	
30 Chrysene	228	11.498	11.498	0.000	100	9450	0.0100	0.009762	

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	11.529	11.529	0.000	100	93465	0.2500	0.1936	
32 Di-n-octyl phthalate	149	12.395	12.395	0.000	100	136710	0.2500	0.2044	
33 Benzo[b]fluoranthene	252	12.863	12.863	0.000	100	7783	0.0100	0.0101	
34 Benzo[k]fluoranthene	252	12.902	12.902	0.000	100	7382	0.0100	0.009215	
35 Benzo[e]pyrene	252	13.254	13.254	0.000	100	7392	0.0100	0.0100	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.293	13.293	0.000	99	4362	0.0100	0.009369	
37 Benzo[a]pyrene	252	13.323	13.323	0.000	100	6340	0.0100	0.008992	
* 38 Perylene-d12	264	13.408	13.408	0.000	99	110405	0.2500	0.2500	
39 Perylene	252	13.446	13.446	0.000	100	8212	0.0100	0.0109	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	4426	0.0100	0.008348	M
41 Dibenz(a,h)anthracene	278	15.073	15.073	0.000	97	4263	0.0100	0.007581	
42 Benzo[g,h,i]perylene	276	15.468	15.468	0.000	100	5469	0.0100	0.008563	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00016 Amount Added: 1.00 Units: mL

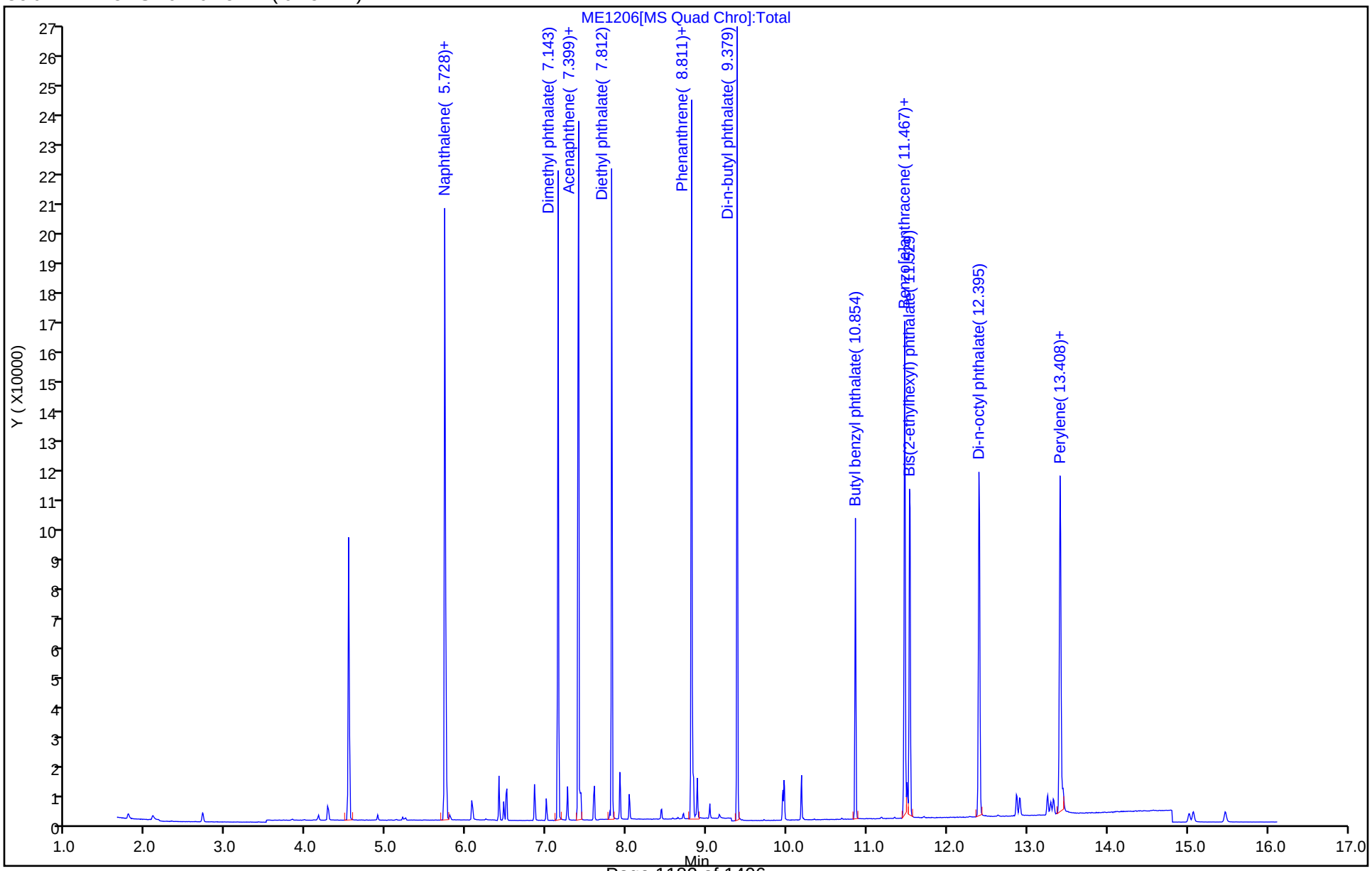
Report Date: 20-May-2022 09:35:15 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Injection Date:	20-May-2022 09:08:04	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

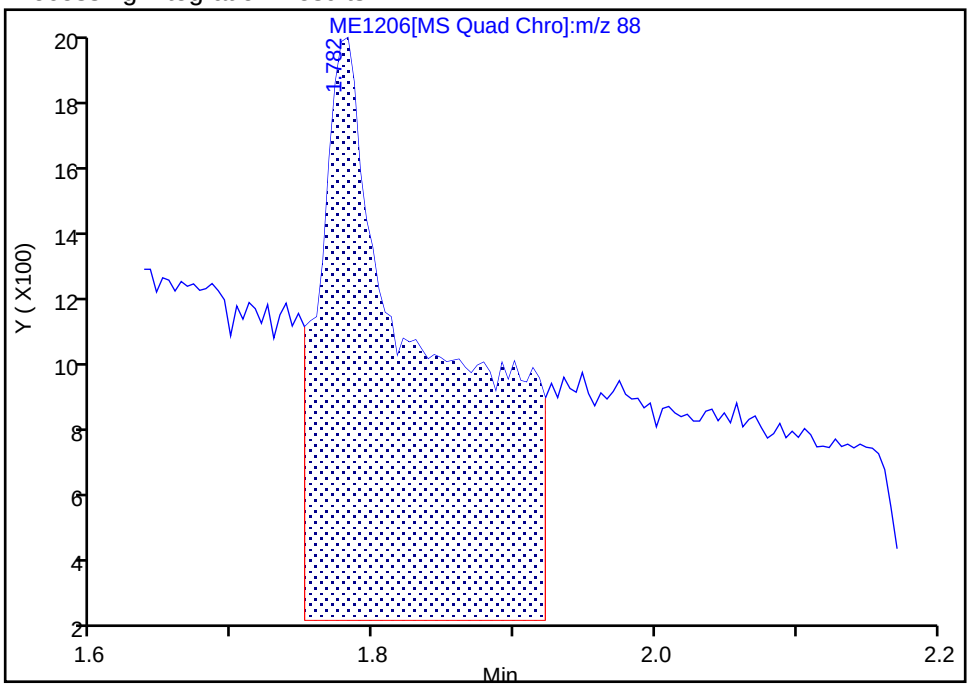
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D
Injection Date: 20-May-2022 09:08:04 Instrument ID: HP21585
Lims ID: IC L1
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 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

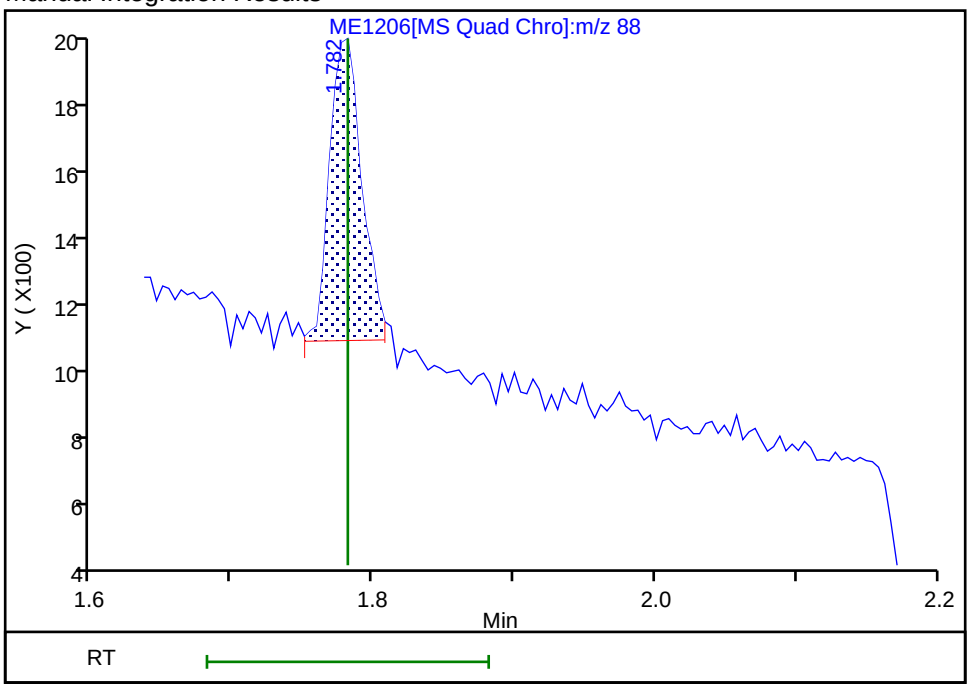
Processing Integration Results

RT: 1.78
Area: 9484
Amount: 0.031073
Amount Units: ug/ml



Manual Integration Results

RT: 1.78
Area: 1358
Amount: 0.007999
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 09:30:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

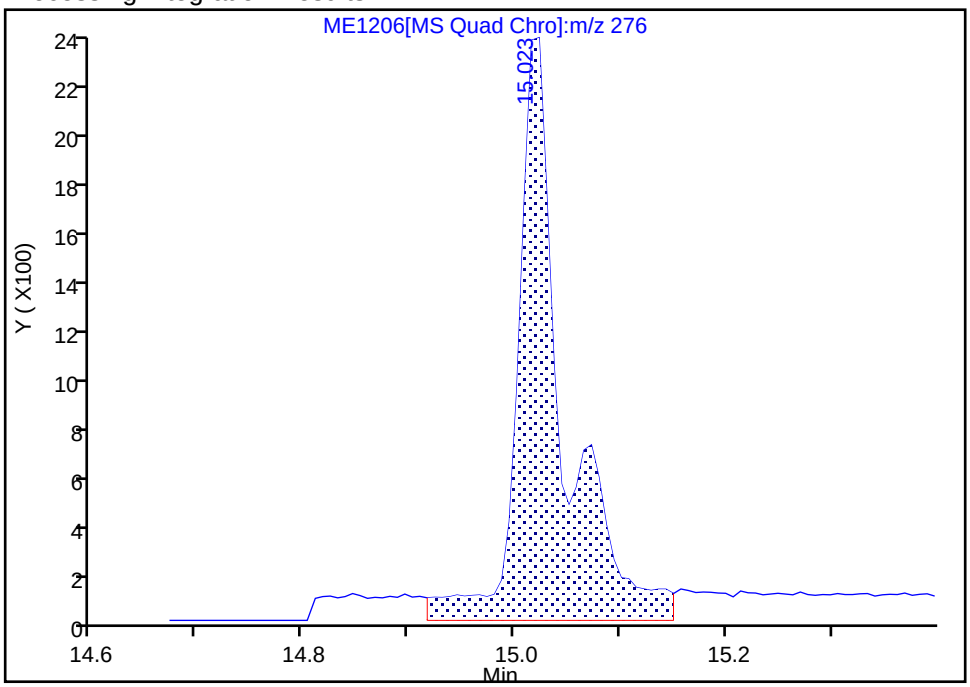
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D				
Injection Date:	20-May-2022 09:08:04	Instrument ID:	HP21585		
Lims ID:	IC L1				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

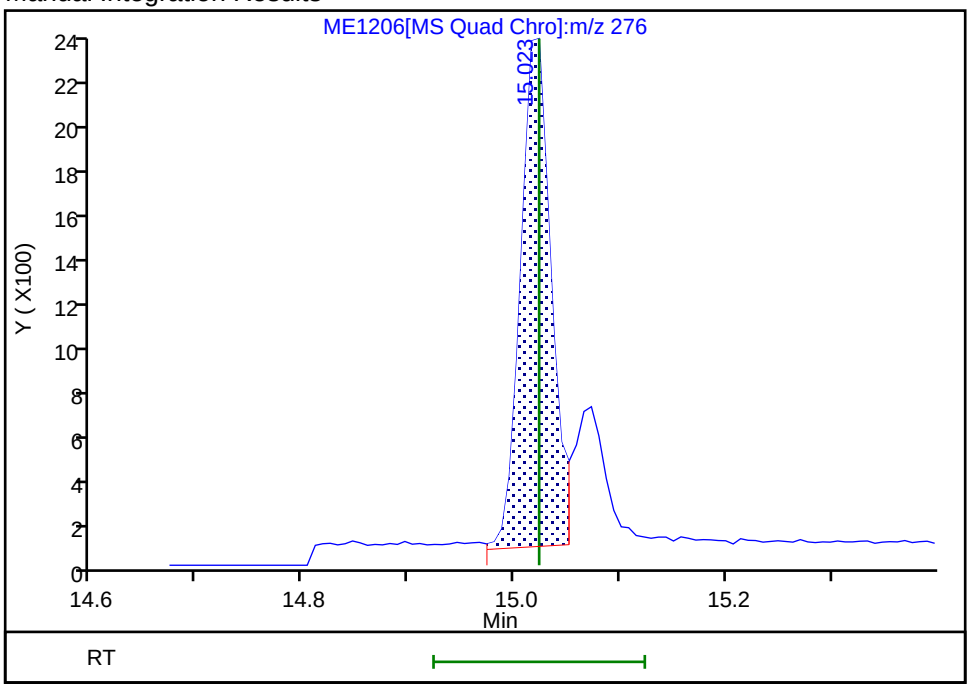
Processing Integration Results

RT: 15.02
Area: 6943
Amount: 0.012135
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 4426
Amount: 0.008348
Amount Units: ug/ml



Reviewer: gamblerj, 20-May-2022 09:30:42

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

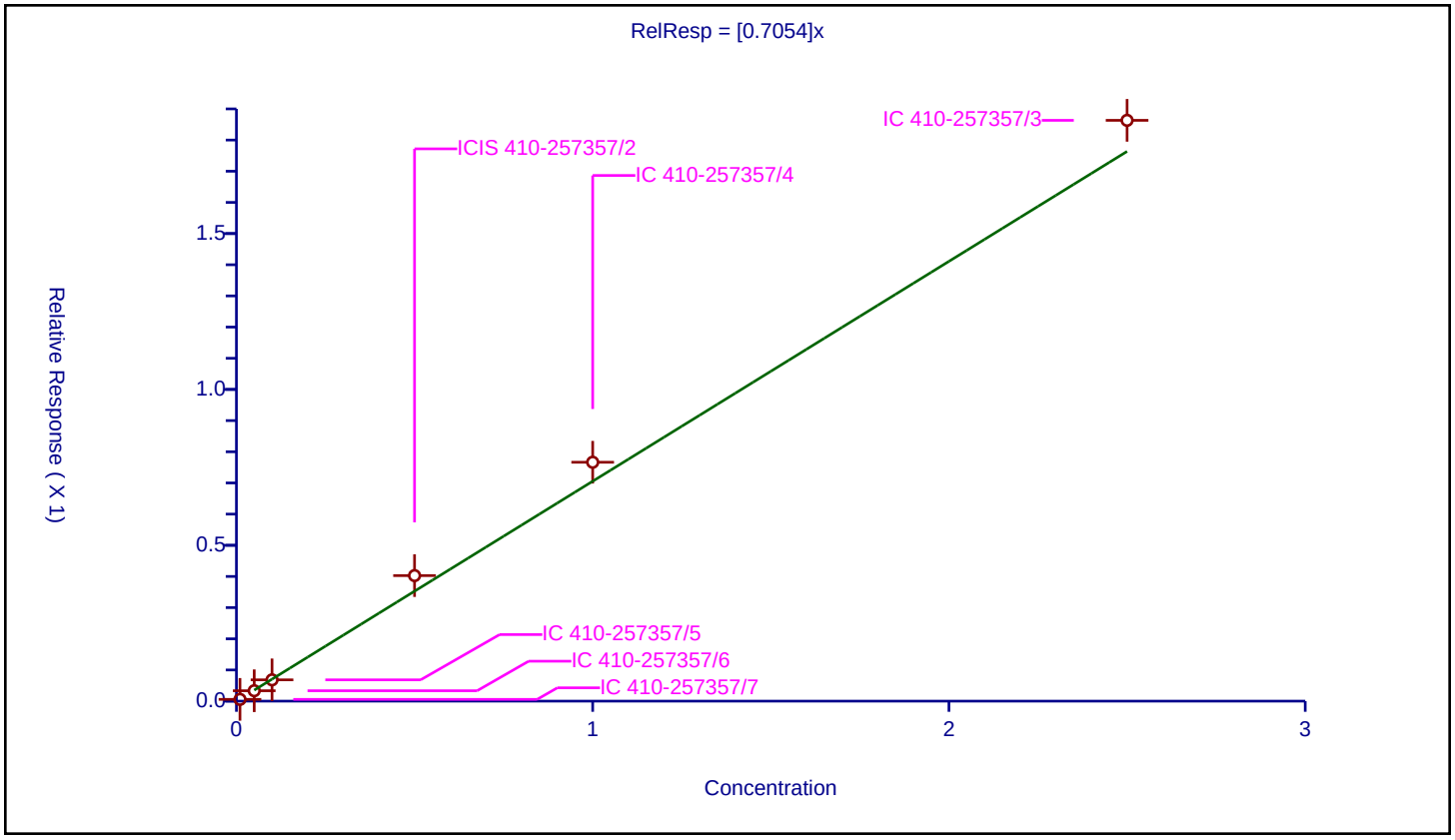
Curve Coefficients

Intercept:	0
Slope:	0.7054

Error Coefficients

Standard Error:	218000
Relative Standard Error:	12.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.005642	0.25	60169.0	0.564244	Y
2	IC 410-257357/6	0.05	0.0334	0.25	63405.0	0.668007	Y
3	IC 410-257357/5	0.1	0.068315	0.25	67196.0	0.683151	Y
4	ICIS 410-257357/2	0.5	0.40278	0.25	57406.0	0.80556	Y
5	IC 410-257357/4	1.0	0.766357	0.25	61900.0	0.766357	Y
6	IC 410-257357/3	2.5	1.863252	0.25	58955.0	0.745301	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

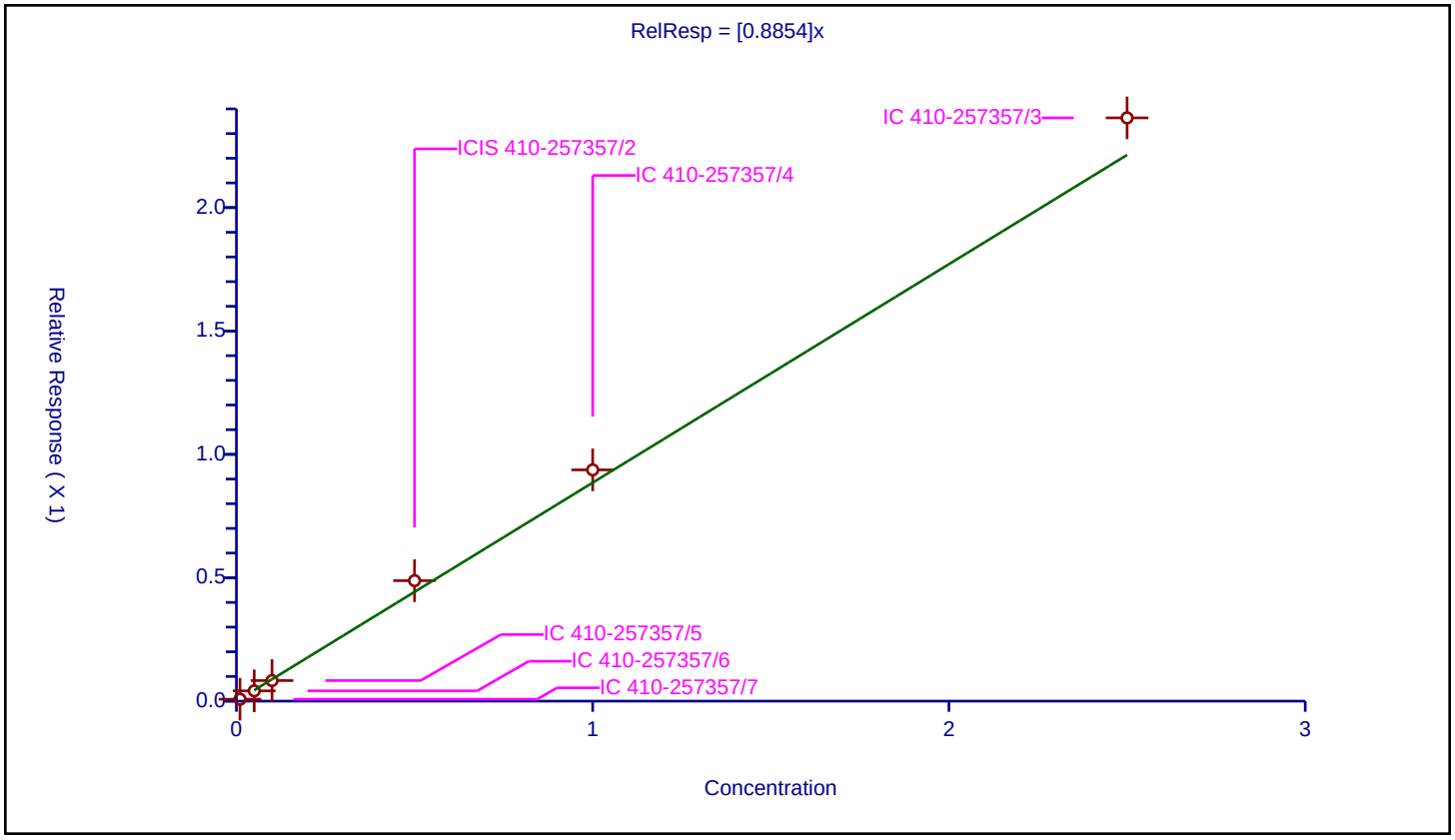
Curve Coefficients

Intercept:	0
Slope:	0.8854

Error Coefficients

Standard Error:	275000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.007878	0.25	60169.0	0.787781	Y
2	IC 410-257357/6	0.05	0.041586	0.25	63405.0	0.831717	Y
3	IC 410-257357/5	0.1	0.083353	0.25	67196.0	0.833532	Y
4	ICIS 410-257357/2	0.5	0.488224	0.25	57406.0	0.976448	Y
5	IC 410-257357/4	1.0	0.937258	0.25	61900.0	0.937258	Y
6	IC 410-257357/3	2.5	2.363638	0.25	58955.0	0.945455	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

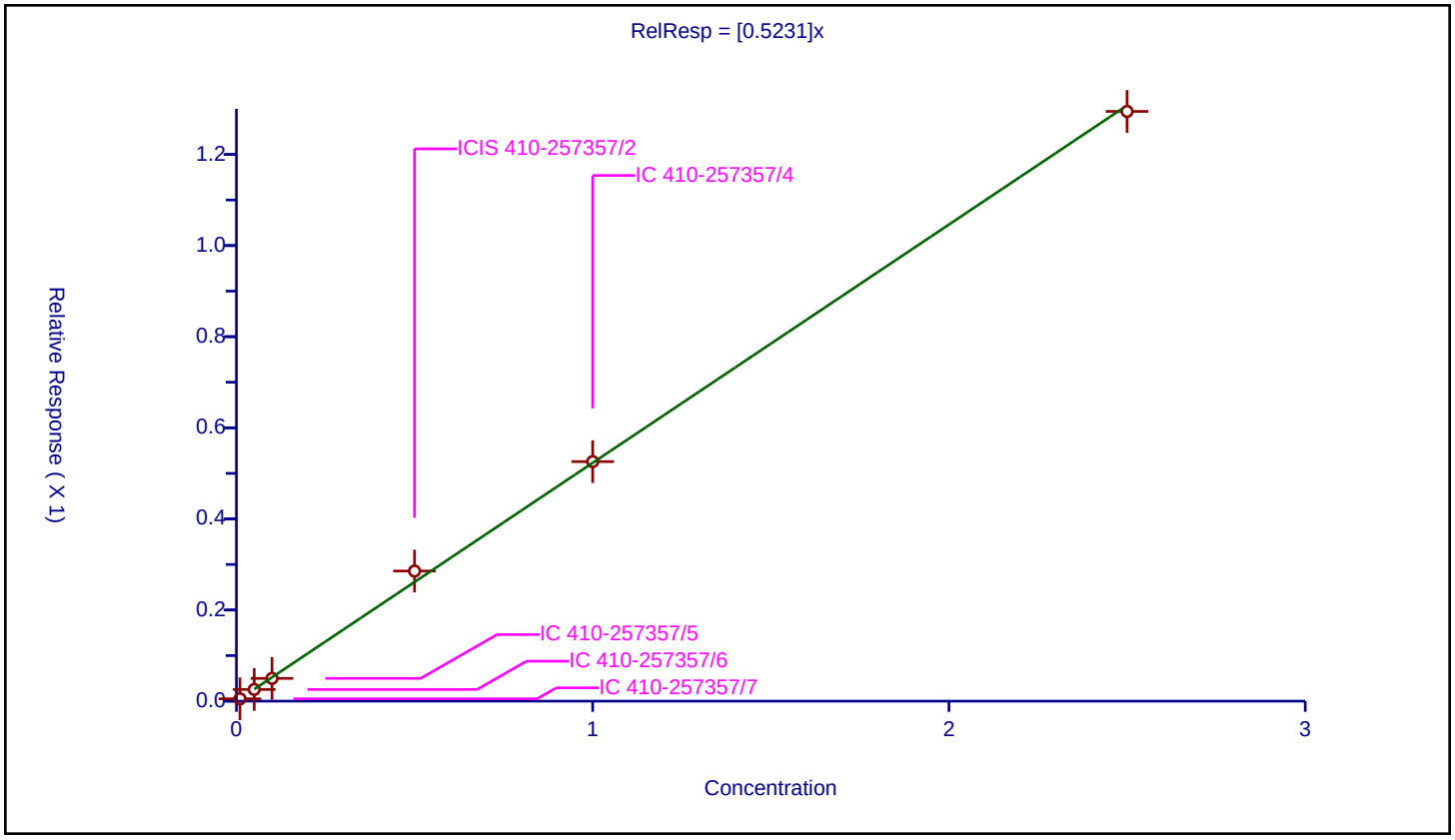
Curve Coefficients

Intercept:	0
Slope:	0.5231

Error Coefficients

Standard Error:	522000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.005107	0.25	195157.0	0.510743	Y
2	IC 410-257357/6	0.05	0.025657	0.25	205702.0	0.513145	Y
3	IC 410-257357/5	0.1	0.049975	0.25	222777.0	0.499749	Y
4	ICIS 410-257357/2	0.5	0.285588	0.25	187858.0	0.571176	Y
5	IC 410-257357/4	1.0	0.52576	0.25	209984.0	0.52576	Y
6	IC 410-257357/3	2.5	1.294417	0.25	204227.0	0.517767	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

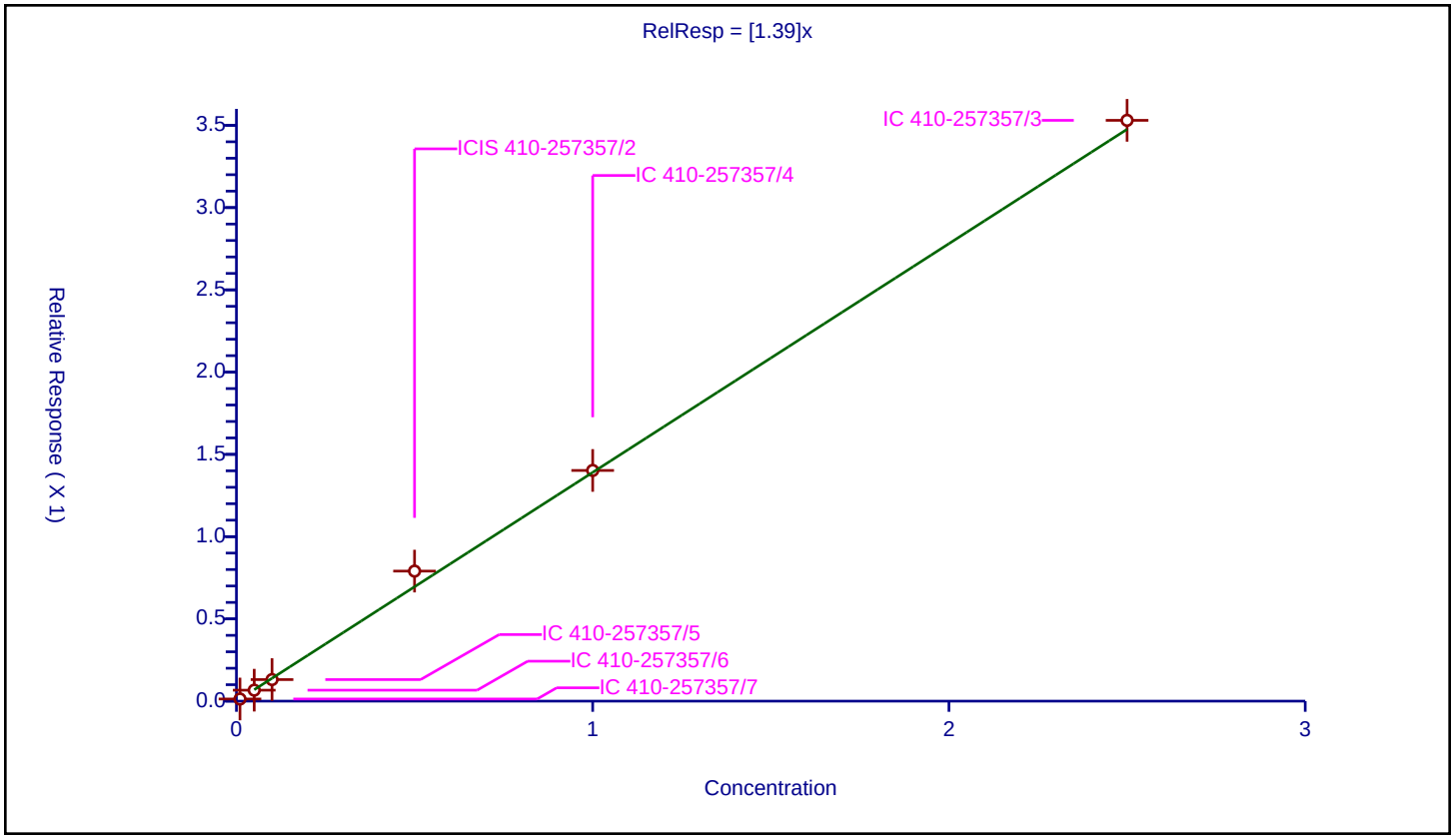
Curve Coefficients

Intercept:	0
Slope:	1.39

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.013038	0.25	195157.0	1.303822	Y
2	IC 410-257357/6	0.05	0.066667	0.25	205702.0	1.333337	Y
3	IC 410-257357/5	0.1	0.131009	0.25	222777.0	1.310088	Y
4	ICIS 410-257357/2	0.5	0.790388	0.25	187858.0	1.580776	Y
5	IC 410-257357/4	1.0	1.402321	0.25	209984.0	1.402321	Y
6	IC 410-257357/3	2.5	3.530405	0.25	204227.0	1.412162	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

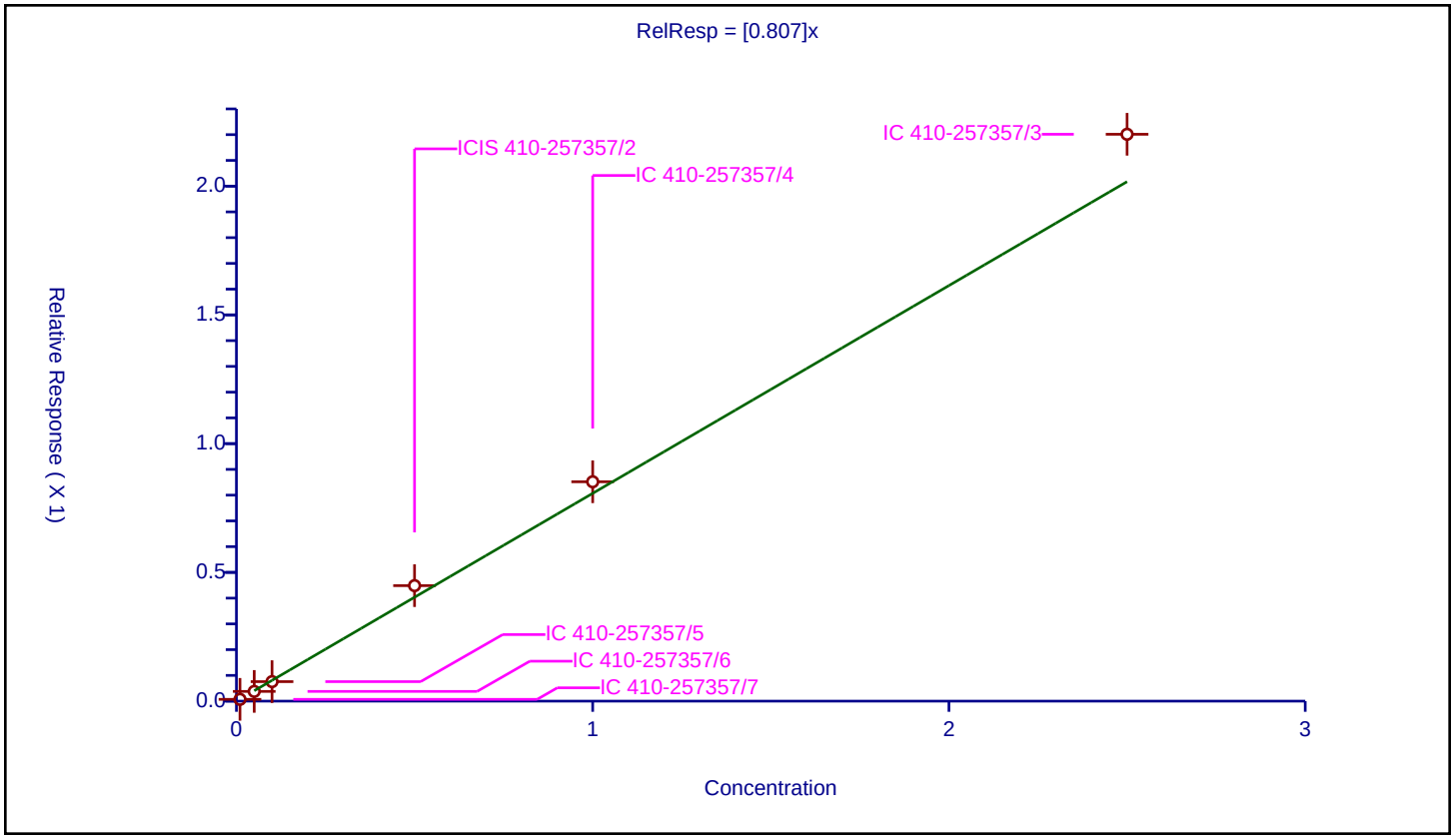
Curve Coefficients

Intercept:	0
Slope:	0.807

Error Coefficients

Standard Error:	879000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.006973	0.25	195157.0	0.697259	Y
2	IC 410-257357/6	0.05	0.03784	0.25	205702.0	0.756799	Y
3	IC 410-257357/5	0.1	0.075808	0.25	222777.0	0.758079	Y
4	ICIS 410-257357/2	0.5	0.448564	0.25	187858.0	0.897127	Y
5	IC 410-257357/4	1.0	0.851932	0.25	209984.0	0.851932	Y
6	IC 410-257357/3	2.5	2.201435	0.25	204227.0	0.880574	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

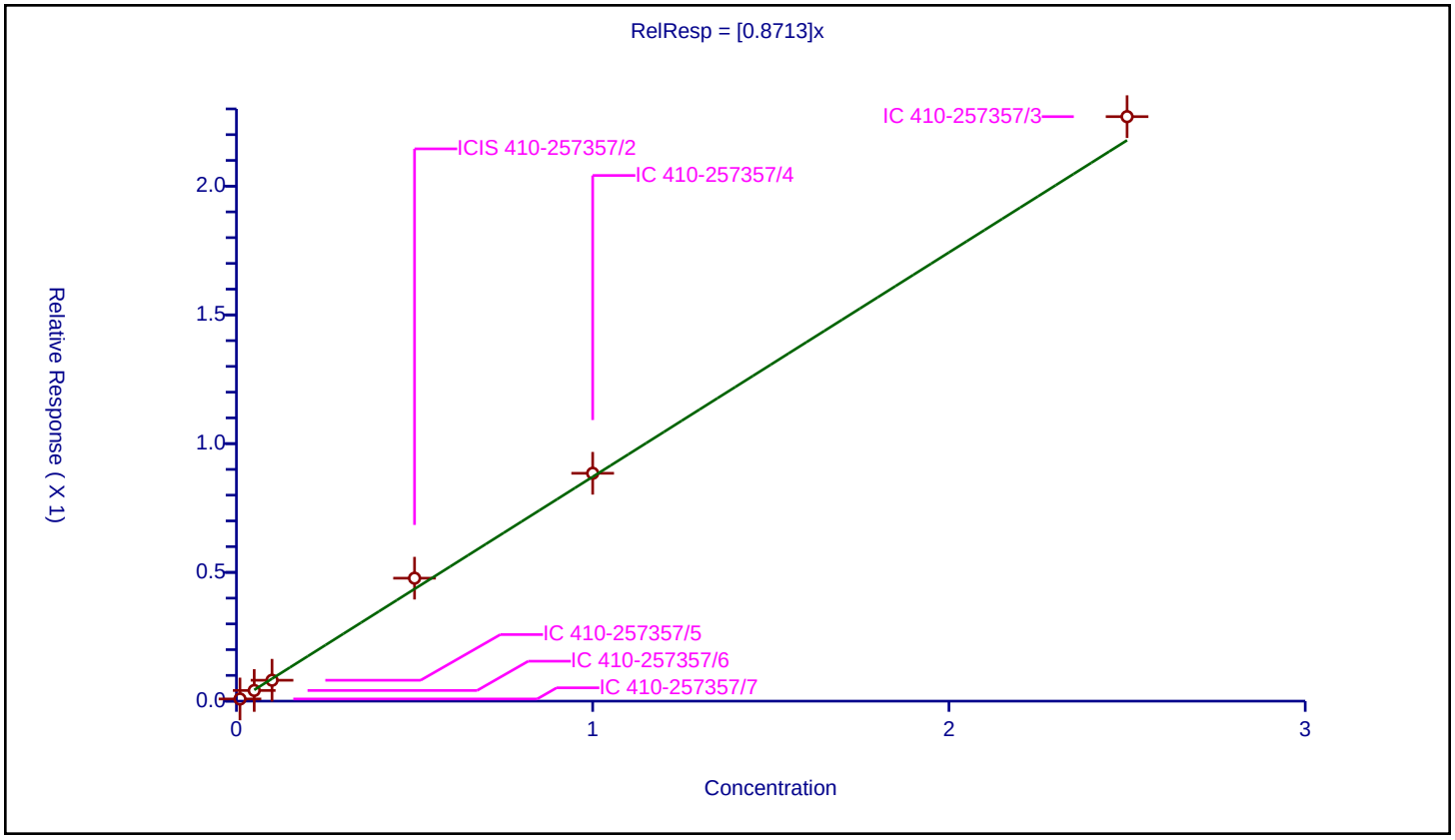
Curve Coefficients

Intercept:	0
Slope:	0.8713

Error Coefficients

Standard Error:	908000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.008402	0.25	195157.0	0.840221	Y
2	IC 410-257357/6	0.05	0.041414	0.25	205702.0	0.828286	Y
3	IC 410-257357/5	0.1	0.08111	0.25	222777.0	0.811103	Y
4	ICIS 410-257357/2	0.5	0.477526	0.25	187858.0	0.955051	Y
5	IC 410-257357/4	1.0	0.884919	0.25	209984.0	0.884919	Y
6	IC 410-257357/3	2.5	2.269854	0.25	204227.0	0.907942	Y



Calibration / 1-Methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

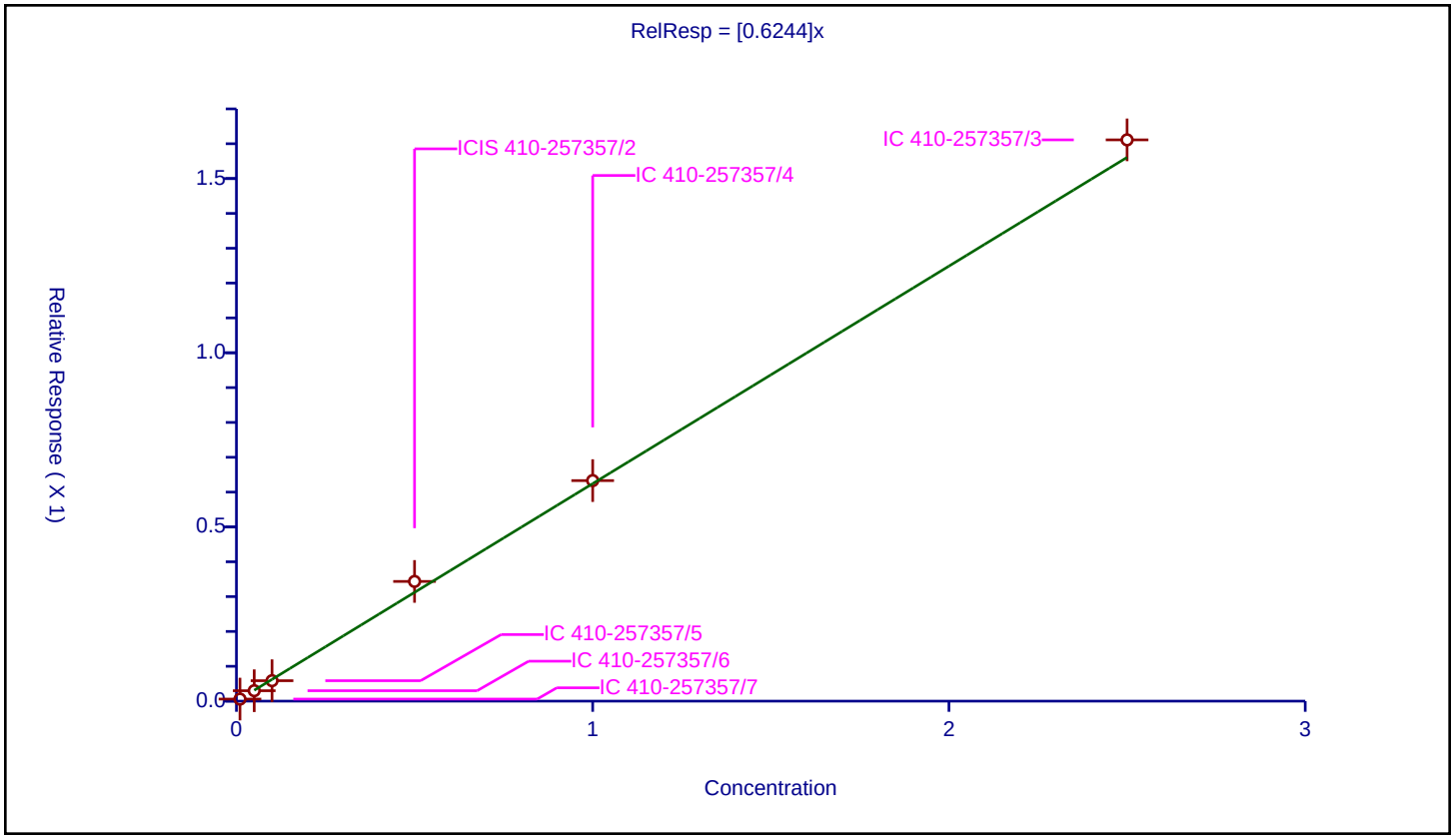
Curve Coefficients

Intercept:	0
Slope:	0.6244

Error Coefficients

Standard Error:	646000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.005958	0.25	195157.0	0.595802	Y
2	IC 410-257357/6	0.05	0.029941	0.25	205702.0	0.598827	Y
3	IC 410-257357/5	0.1	0.058671	0.25	222777.0	0.586708	Y
4	ICIS 410-257357/2	0.5	0.343627	0.25	187858.0	0.687253	Y
5	IC 410-257357/4	1.0	0.633085	0.25	209984.0	0.633085	Y
6	IC 410-257357/3	2.5	1.611082	0.25	204227.0	0.644433	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

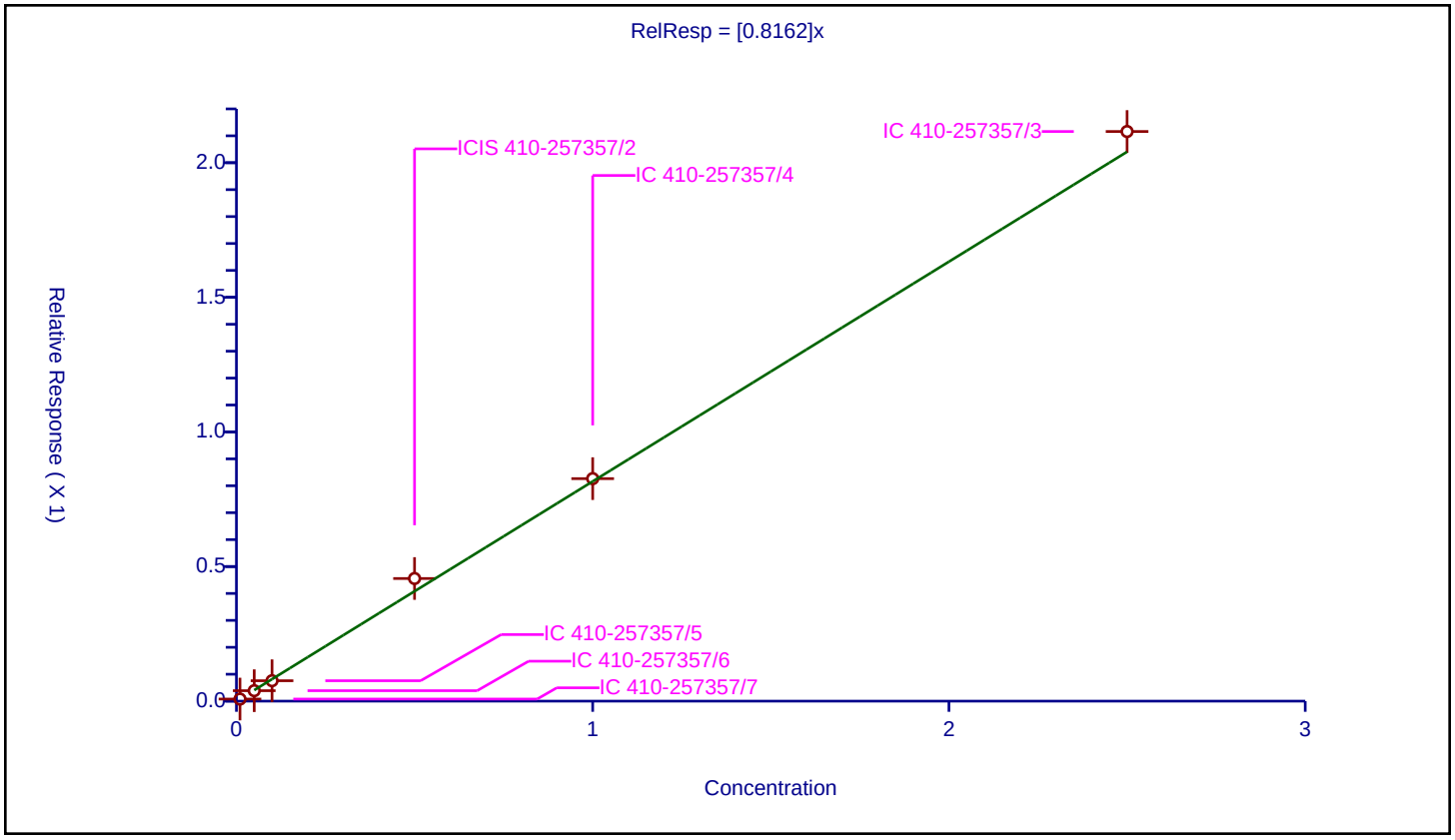
Curve Coefficients

Intercept:	0
Slope:	0.8162

Error Coefficients

Standard Error:	848000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.007791	0.25	195157.0	0.779116	Y
2	IC 410-257357/6	0.05	0.038792	0.25	205702.0	0.775831	Y
3	IC 410-257357/5	0.1	0.075846	0.25	222777.0	0.75846	Y
4	ICIS 410-257357/2	0.5	0.455509	0.25	187858.0	0.911018	Y
5	IC 410-257357/4	1.0	0.826605	0.25	209984.0	0.826605	Y
6	IC 410-257357/3	2.5	2.115984	0.25	204227.0	0.846393	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

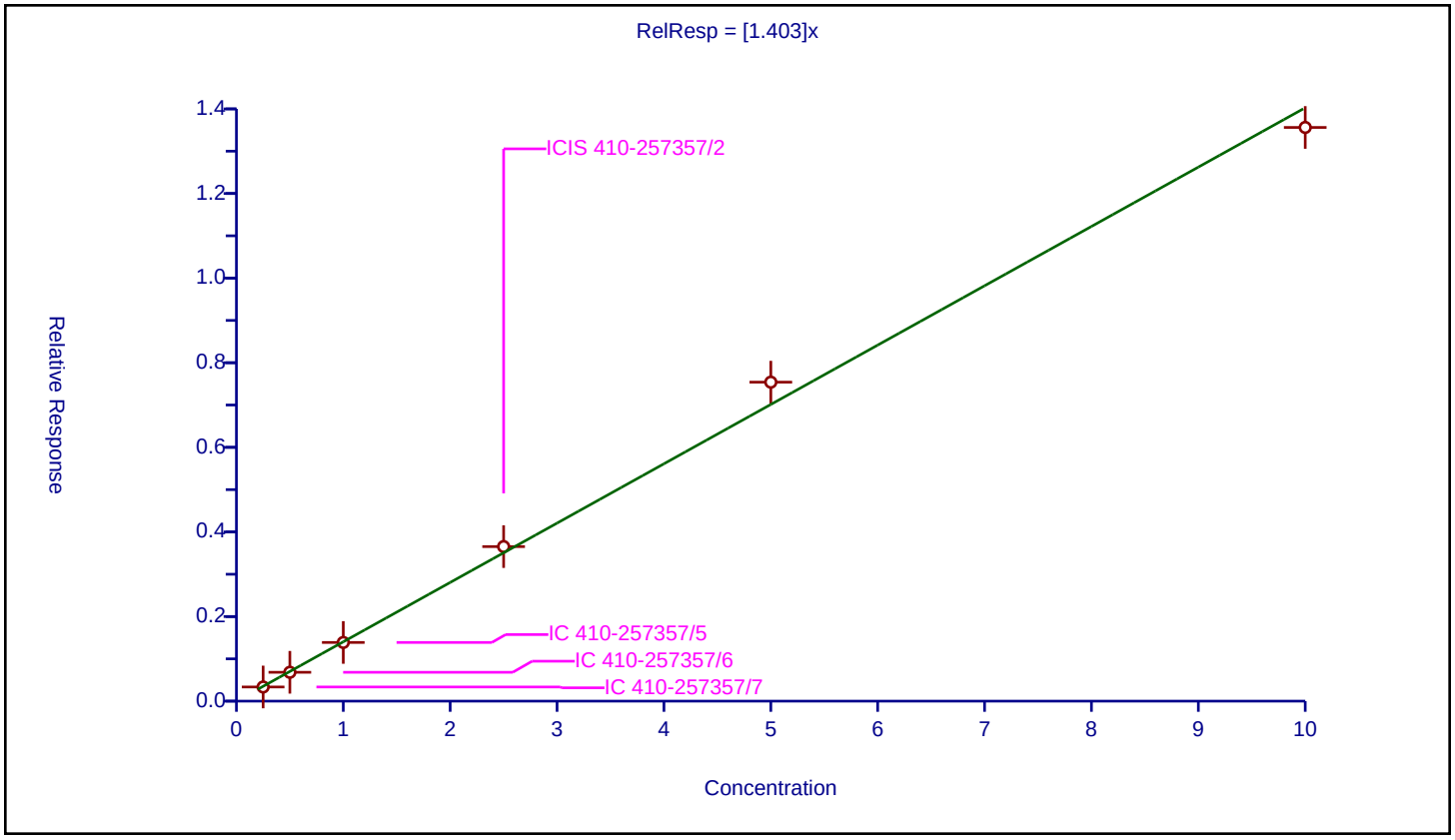
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Standard Error:	3290000
Relative Standard Error:	4.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.334679	0.25	102103.0	1.338717	Y
2	IC 410-257357/6	0.5	0.682203	0.25	109338.0	1.364407	Y
3	IC 410-257357/5	1.0	1.387272	0.25	117304.0	1.387272	Y
4	ICIS 410-257357/2	2.5	3.653512	0.25	105270.0	1.461405	Y
5	IC 410-257357/4	5.0	7.540168	0.25	115422.0	1.508034	Y
6	IC 410-257357/3	10.0	13.560977	0.25	115207.0	1.356098	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

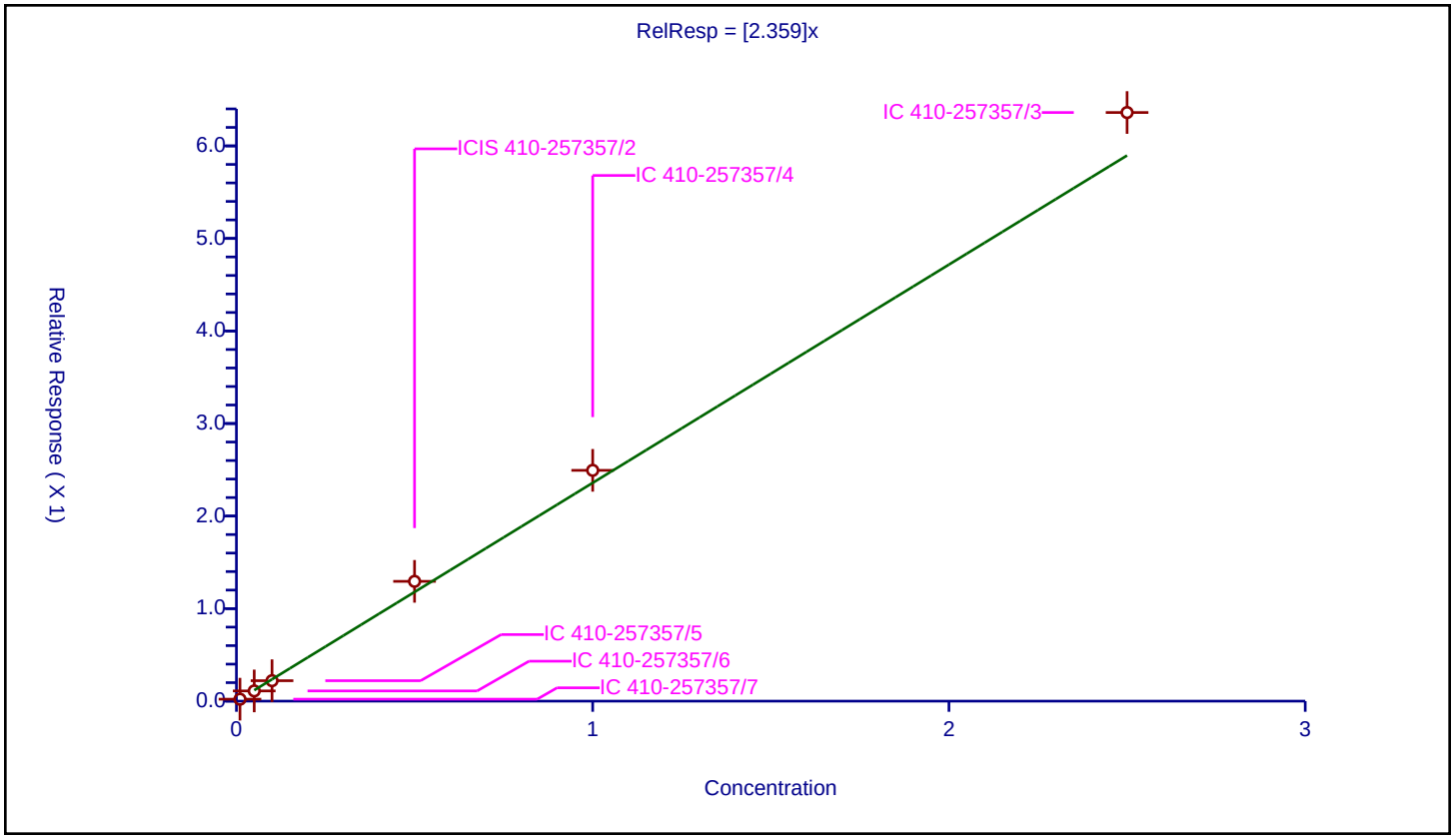
Curve Coefficients

Intercept:	0
Slope:	2.359

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.021094	0.25	102103.0	2.10939	Y
2	IC 410-257357/6	0.05	0.110355	0.25	109338.0	2.207101	Y
3	IC 410-257357/5	0.1	0.220849	0.25	117304.0	2.208492	Y
4	ICIS 410-257357/2	0.5	1.294419	0.25	105270.0	2.588838	Y
5	IC 410-257357/4	1.0	2.494022	0.25	115422.0	2.494022	Y
6	IC 410-257357/3	2.5	6.360712	0.25	115207.0	2.544285	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

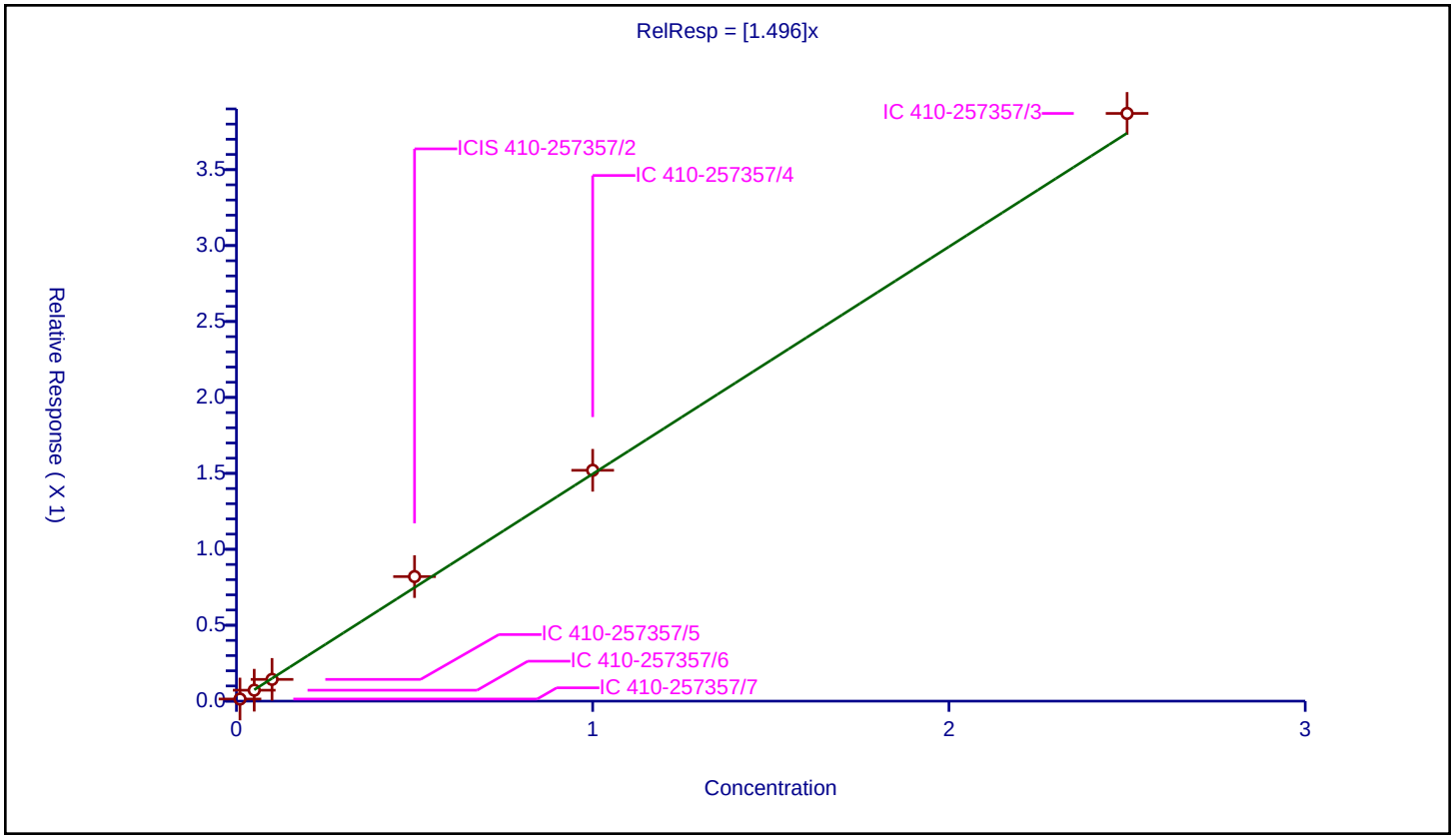
Curve Coefficients

Intercept:	0
Slope:	1.496

Error Coefficients

Standard Error:	872000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.013966	0.25	102103.0	1.396629	Y
2	IC 410-257357/6	0.05	0.071979	0.25	109338.0	1.439573	Y
3	IC 410-257357/5	0.1	0.143198	0.25	117304.0	1.431984	Y
4	ICIS 410-257357/2	0.5	0.820243	0.25	105270.0	1.640486	Y
5	IC 410-257357/4	1.0	1.520089	0.25	115422.0	1.520089	Y
6	IC 410-257357/3	2.5	3.870203	0.25	115207.0	1.548081	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

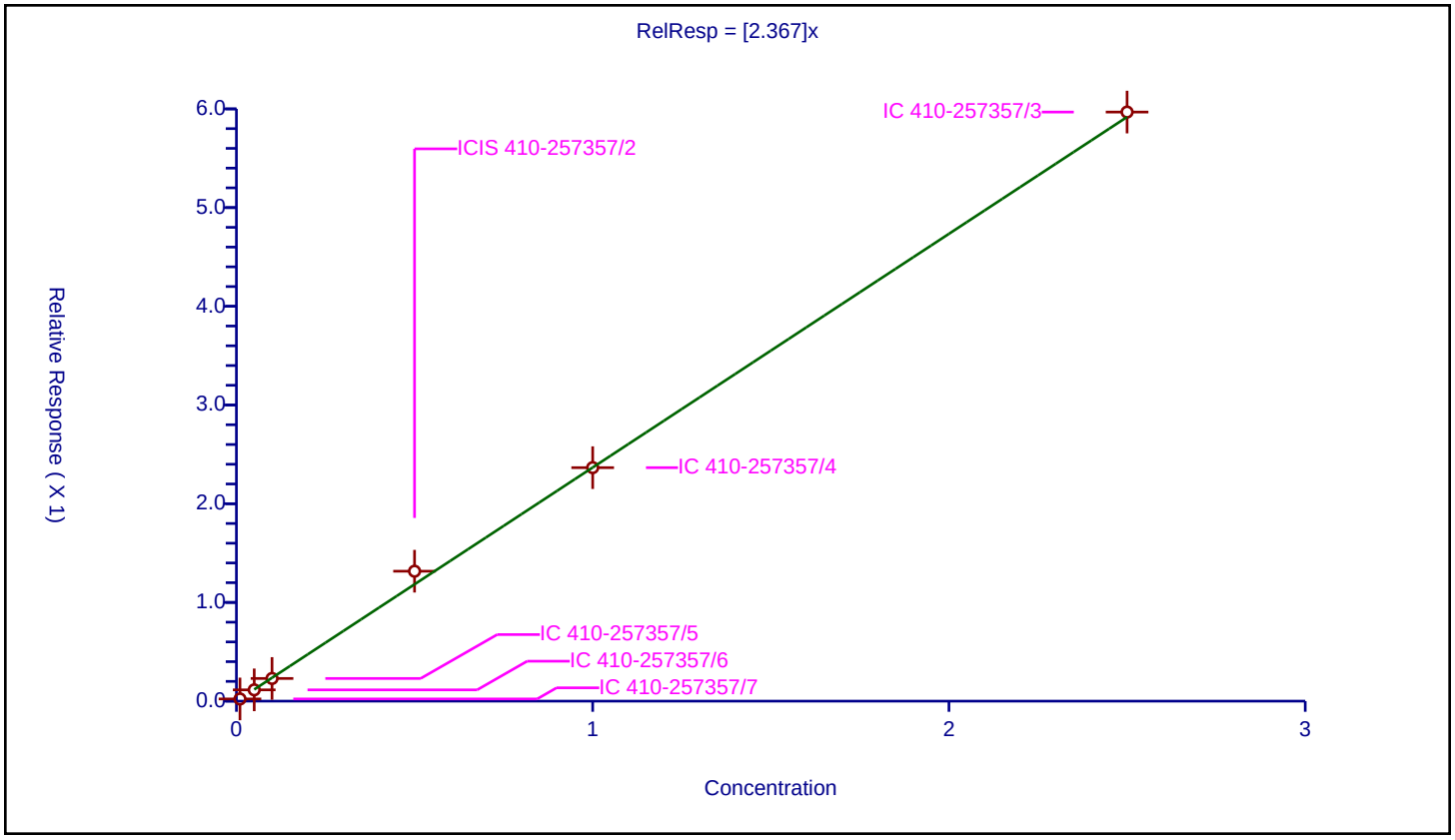
Curve Coefficients

Intercept:	0
Slope:	2.367

Error Coefficients

Standard Error:	1350000
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 410-257357/7	0.01	0.022323	0.25	102103.0	2.232305	Y
2	IC 410-257357/6	0.05	0.114315	0.25	109338.0	2.286305	Y
3	IC 410-257357/5	0.1	0.229858	0.25	117304.0	2.298579	Y
4	ICIS 410-257357/2	0.5	1.316479	0.25	105270.0	2.632958	Y
5	IC 410-257357/4	1.0	2.365543	0.25	115422.0	2.365543	Y
6	IC 410-257357/3	2.5	5.967825	0.25	115207.0	2.38713	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

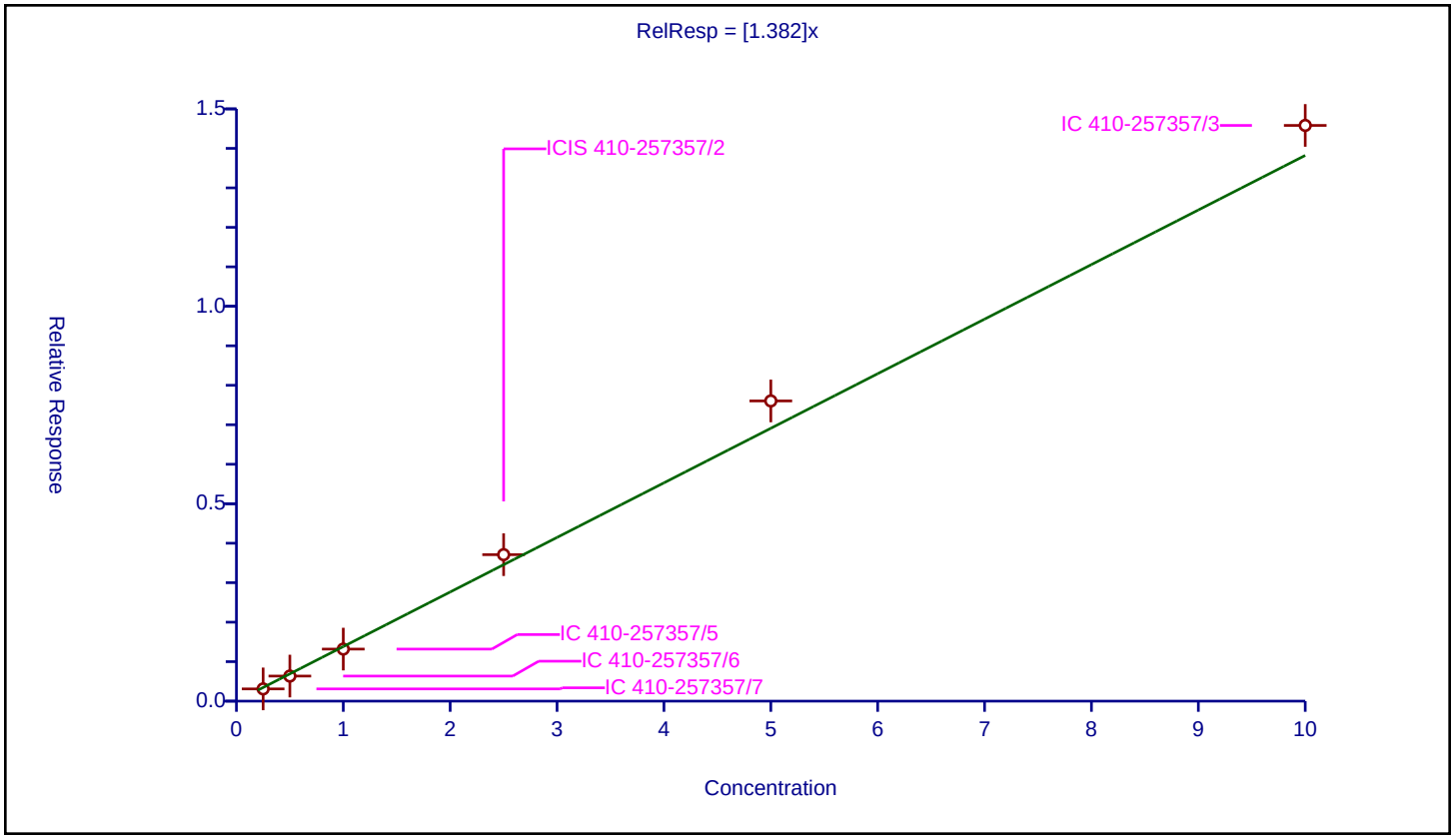
Curve Coefficients

Intercept:	0
Slope:	1.382

Error Coefficients

Standard Error:	3480000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.310231	0.25	102103.0	1.240923	Y
2	IC 410-257357/6	0.5	0.635221	0.25	109338.0	1.270441	Y
3	IC 410-257357/5	1.0	1.318768	0.25	117304.0	1.318768	Y
4	ICIS 410-257357/2	2.5	3.709571	0.25	105270.0	1.483828	Y
5	IC 410-257357/4	5.0	7.603576	0.25	115422.0	1.520715	Y
6	IC 410-257357/3	10.0	14.580954	0.25	115207.0	1.458095	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

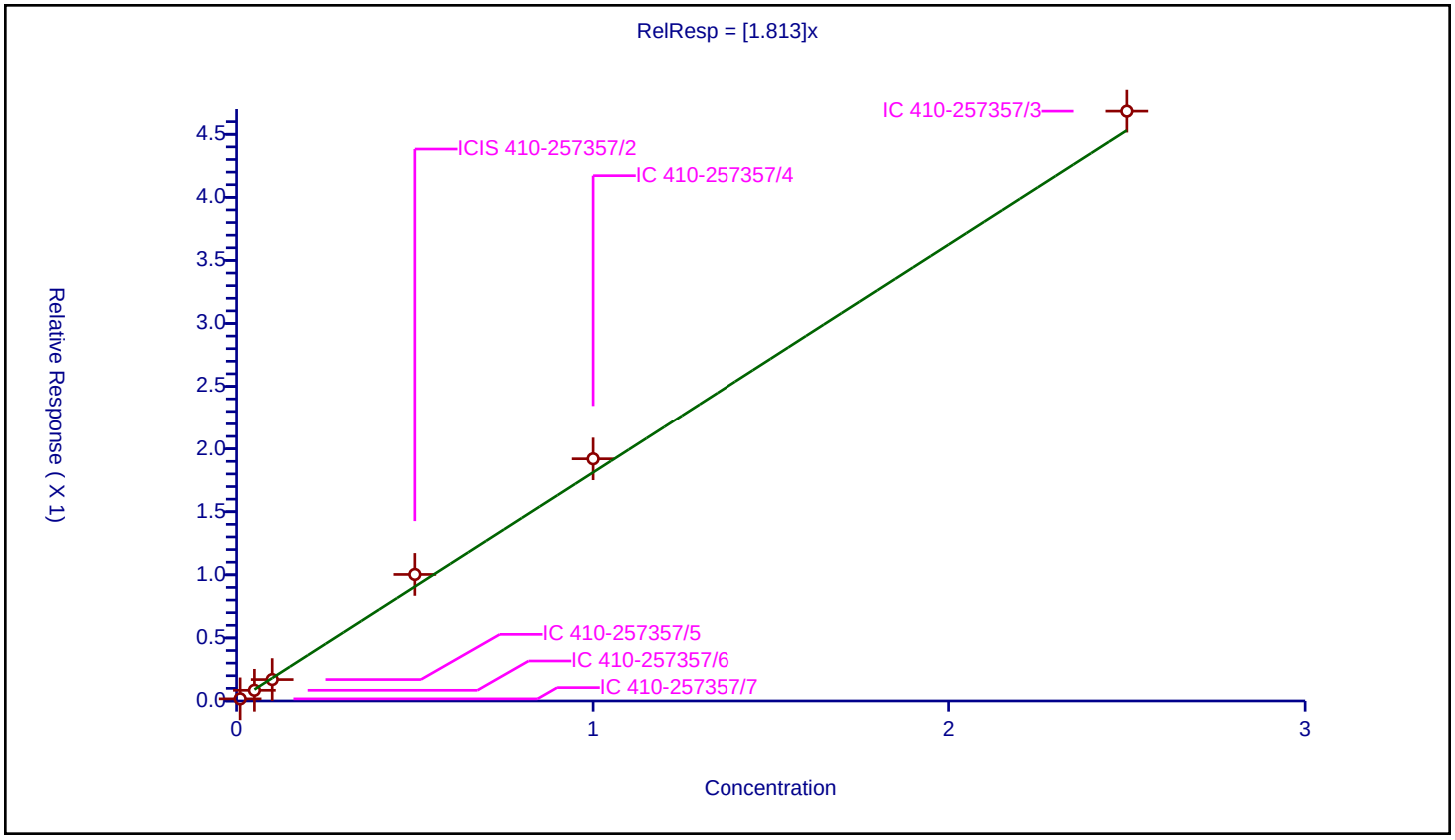
Curve Coefficients

Intercept:	0
Slope:	1.813

Error Coefficients

Standard Error:	1060000
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 410-257357/7	0.01	0.016868	0.25	102103.0	1.686777	Y
2	IC 410-257357/6	0.05	0.084653	0.25	109338.0	1.693053	Y
3	IC 410-257357/5	0.1	0.169662	0.25	117304.0	1.696617	Y
4	ICIS 410-257357/2	0.5	1.003075	0.25	105270.0	2.006151	Y
5	IC 410-257357/4	1.0	1.920539	0.25	115422.0	1.920539	Y
6	IC 410-257357/3	2.5	4.683606	0.25	115207.0	1.873443	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

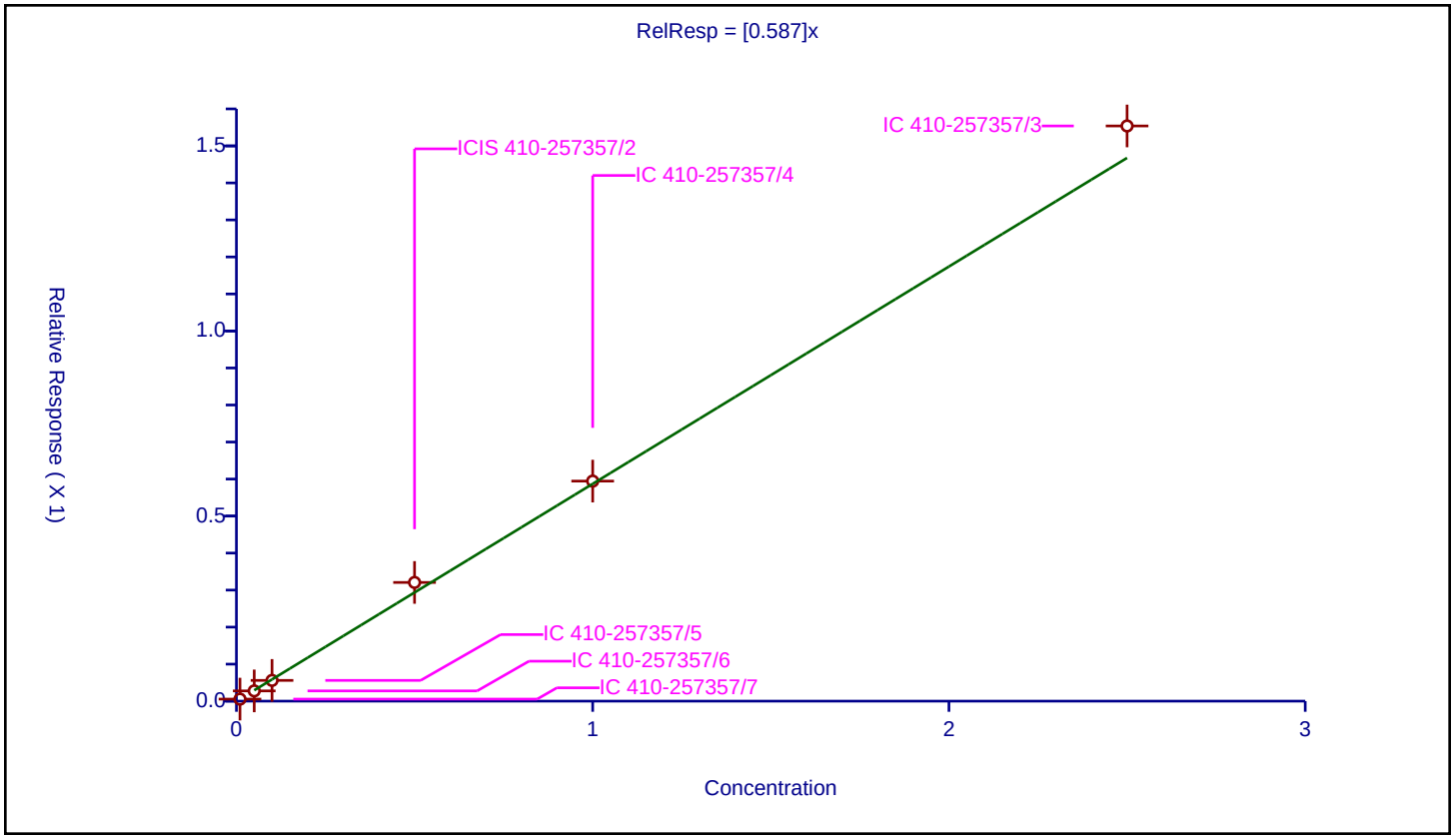
Curve Coefficients

Intercept:	0
Slope:	0.587

Error Coefficients

Standard Error:	638000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.005517	0.25	184988.0	0.551657	Y
2	IC 410-257357/6	0.05	0.027674	0.25	200363.0	0.55347	Y
3	IC 410-257357/5	0.1	0.055985	0.25	217906.0	0.559851	Y
4	ICIS 410-257357/2	0.5	0.320657	0.25	195348.0	0.641314	Y
5	IC 410-257357/4	1.0	0.594426	0.25	219123.0	0.594426	Y
6	IC 410-257357/3	2.5	1.553846	0.25	209761.0	0.621538	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

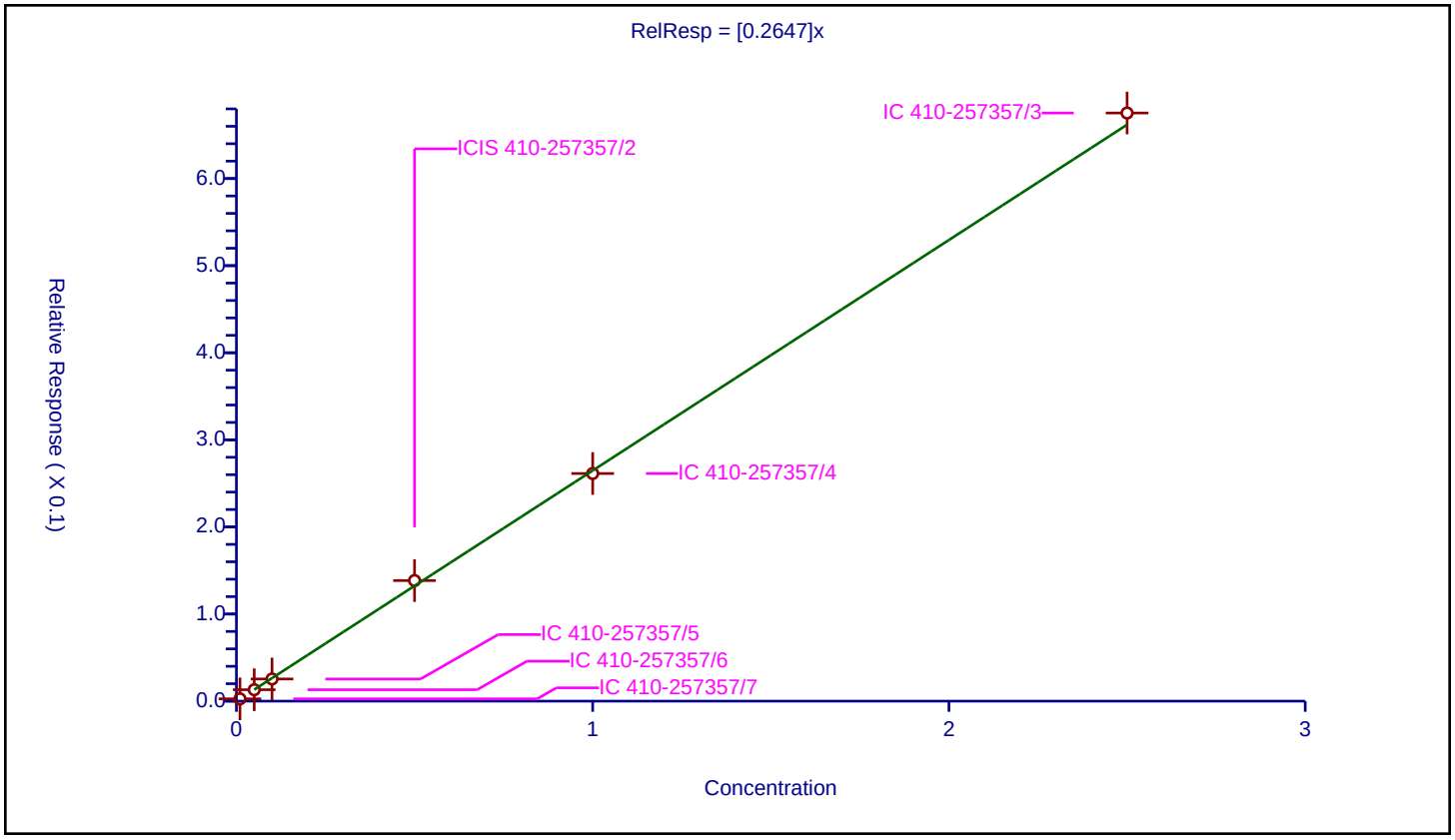
Curve Coefficients

Intercept:	0
Slope:	0.2647

Error Coefficients

Standard Error:	278000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.002634	0.25	184988.0	0.263395	Y
2	IC 410-257357/6	0.05	0.013107	0.25	200363.0	0.262149	Y
3	IC 410-257357/5	0.1	0.025449	0.25	217906.0	0.25449	Y
4	ICIS 410-257357/2	0.5	0.138462	0.25	195348.0	0.276924	Y
5	IC 410-257357/4	1.0	0.261344	0.25	219123.0	0.261344	Y
6	IC 410-257357/3	2.5	0.675267	0.25	209761.0	0.270107	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

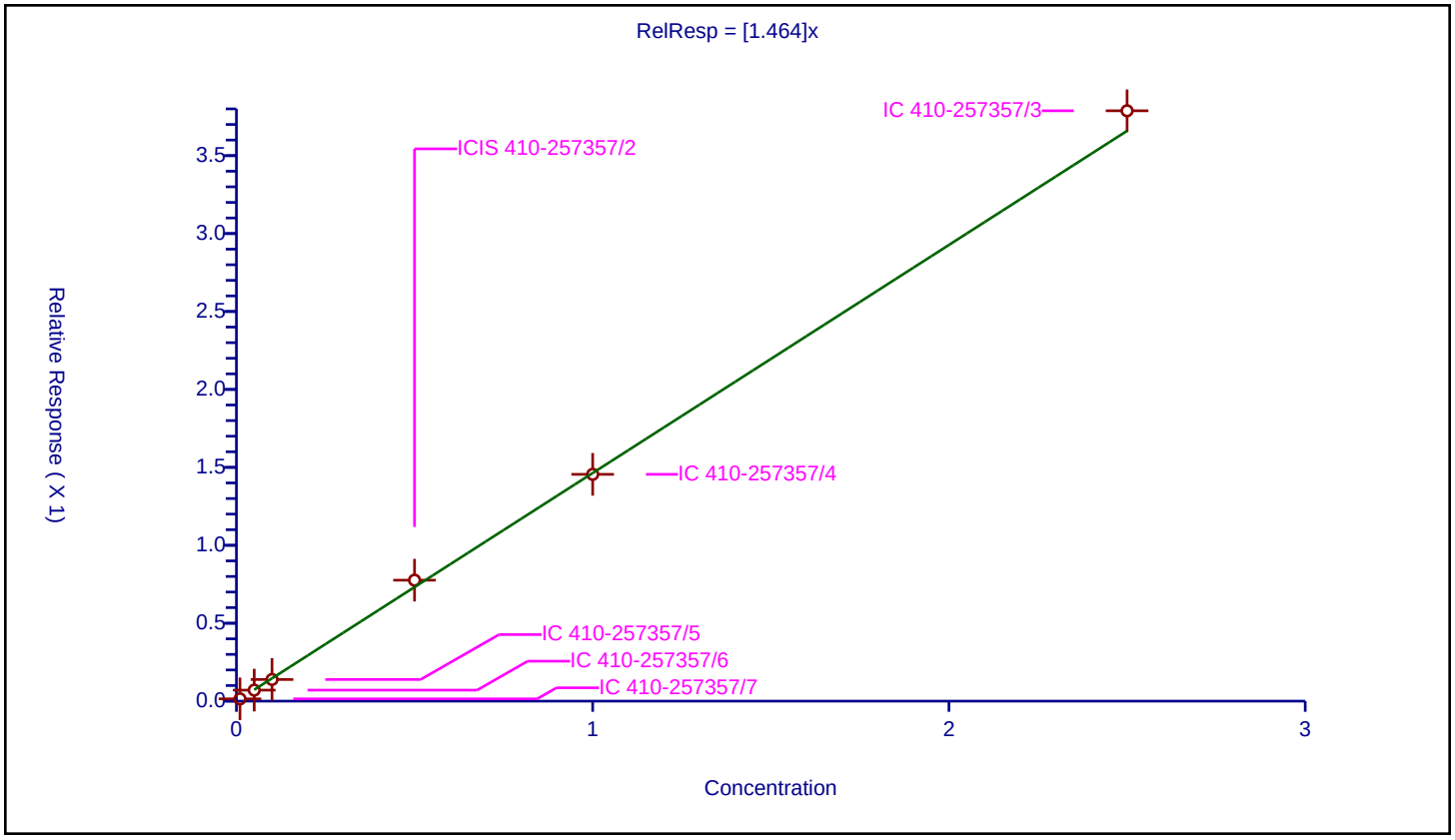
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Standard Error:	1560000
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 410-257357/7	0.01	0.014563	0.25	184988.0	1.456311	Y
2	IC 410-257357/6	0.05	0.070717	0.25	200363.0	1.414333	Y
3	IC 410-257357/5	0.1	0.138814	0.25	217906.0	1.388144	Y
4	ICIS 410-257357/2	0.5	0.776179	0.25	195348.0	1.552358	Y
5	IC 410-257357/4	1.0	1.455233	0.25	219123.0	1.455233	Y
6	IC 410-257357/3	2.5	3.787799	0.25	209761.0	1.51512	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

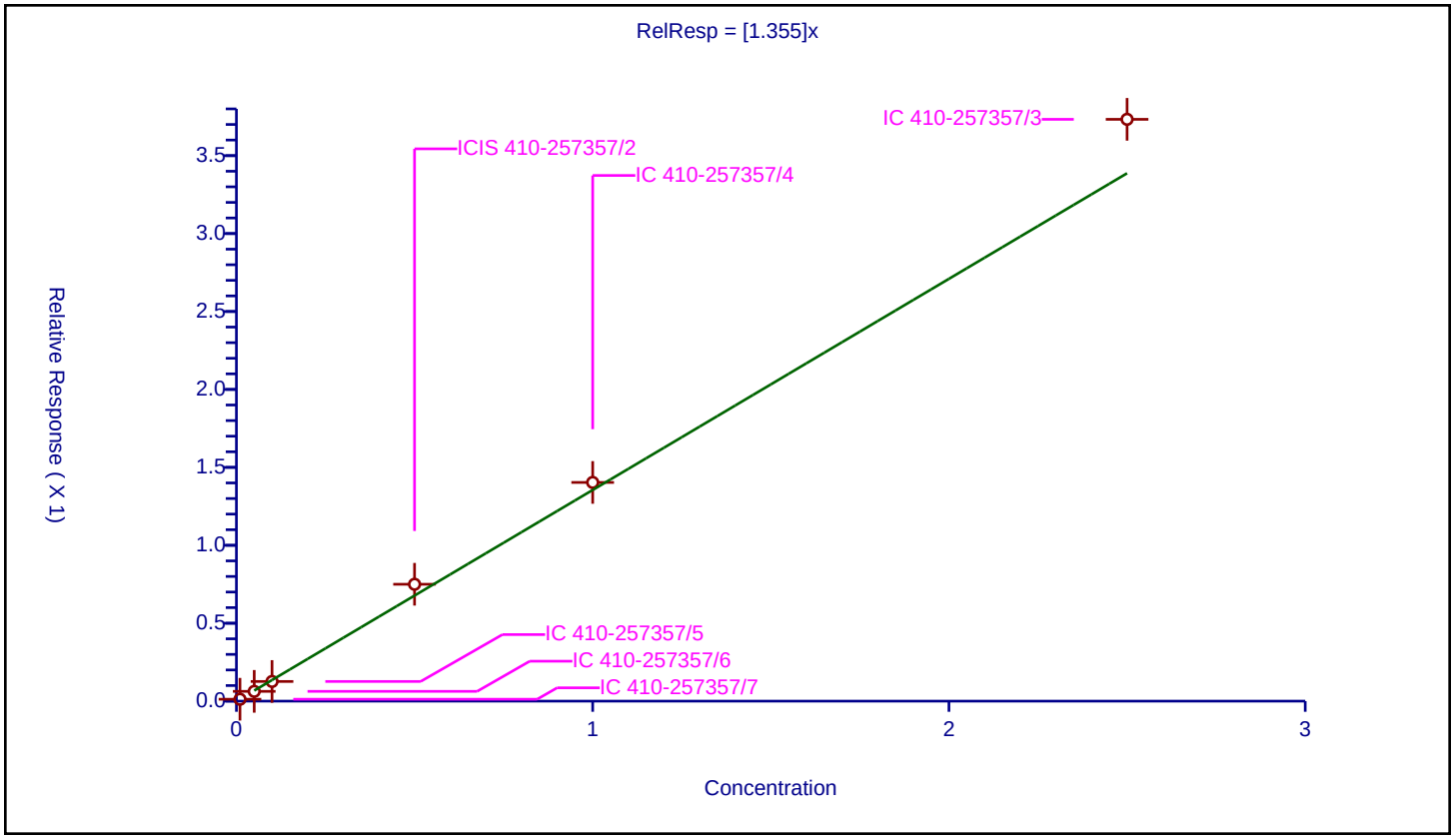
Curve Coefficients

Intercept:	0
Slope:	1.355

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.012153	0.25	184988.0	1.215349	Y
2	IC 410-257357/6	0.05	0.062747	0.25	200363.0	1.254947	Y
3	IC 410-257357/5	0.1	0.126218	0.25	217906.0	1.262184	Y
4	ICIS 410-257357/2	0.5	0.749887	0.25	195348.0	1.499775	Y
5	IC 410-257357/4	1.0	1.403345	0.25	219123.0	1.403345	Y
6	IC 410-257357/3	2.5	3.733012	0.25	209761.0	1.493205	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

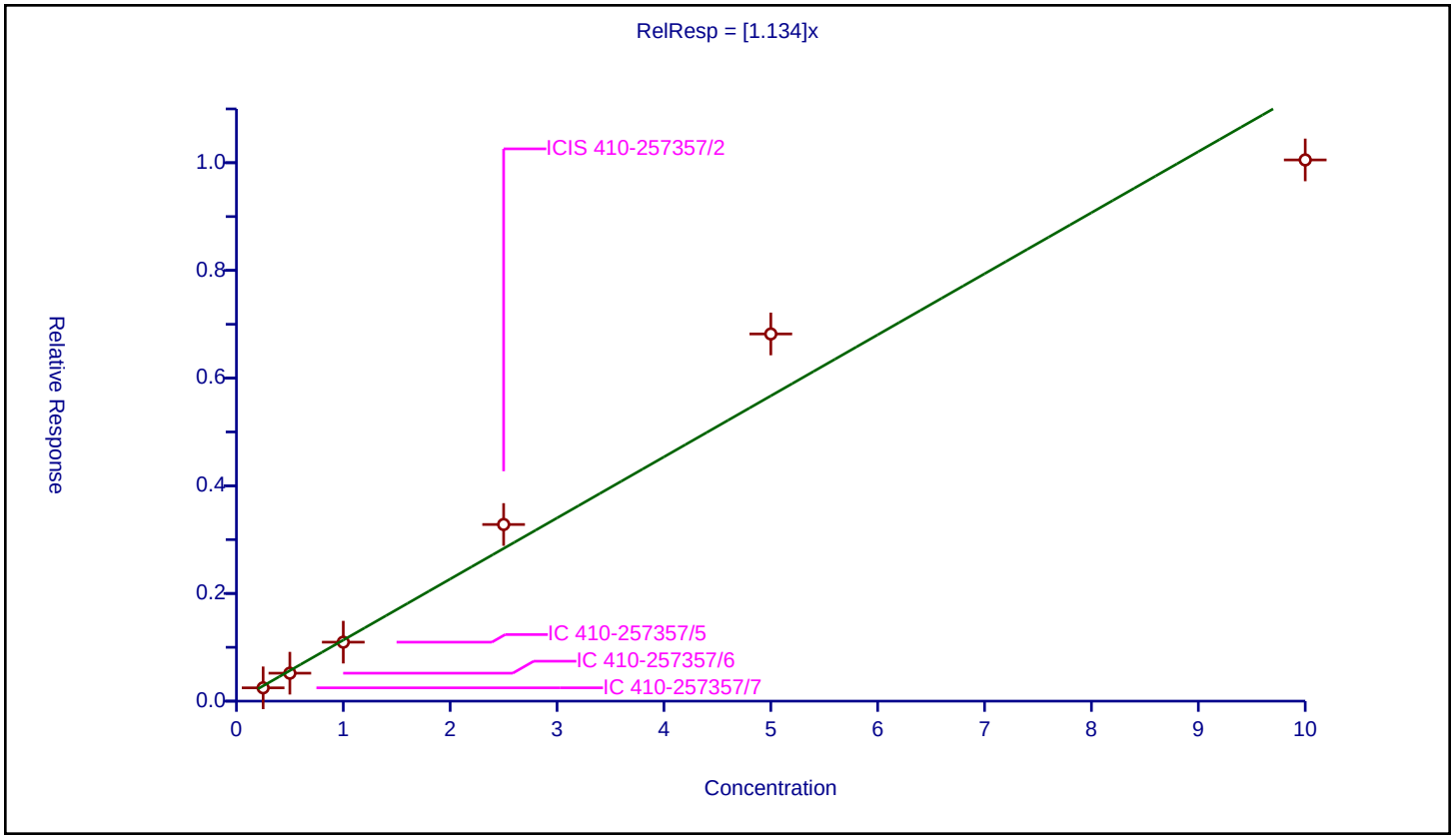
Curve Coefficients

Intercept:	0
Slope:	1.134

Error Coefficients

Standard Error:	4790000
Relative Standard Error:	14.4
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.24724	0.25	184988.0	0.988961	Y
2	IC 410-257357/6	0.5	0.519259	0.25	200363.0	1.038518	Y
3	IC 410-257357/5	1.0	1.095237	0.25	217906.0	1.095237	Y
4	ICIS 410-257357/2	2.5	3.280882	0.25	195348.0	1.312353	Y
5	IC 410-257357/4	5.0	6.820079	0.25	219123.0	1.364016	Y
6	IC 410-257357/3	10.0	10.052141	0.25	209761.0	1.005214	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

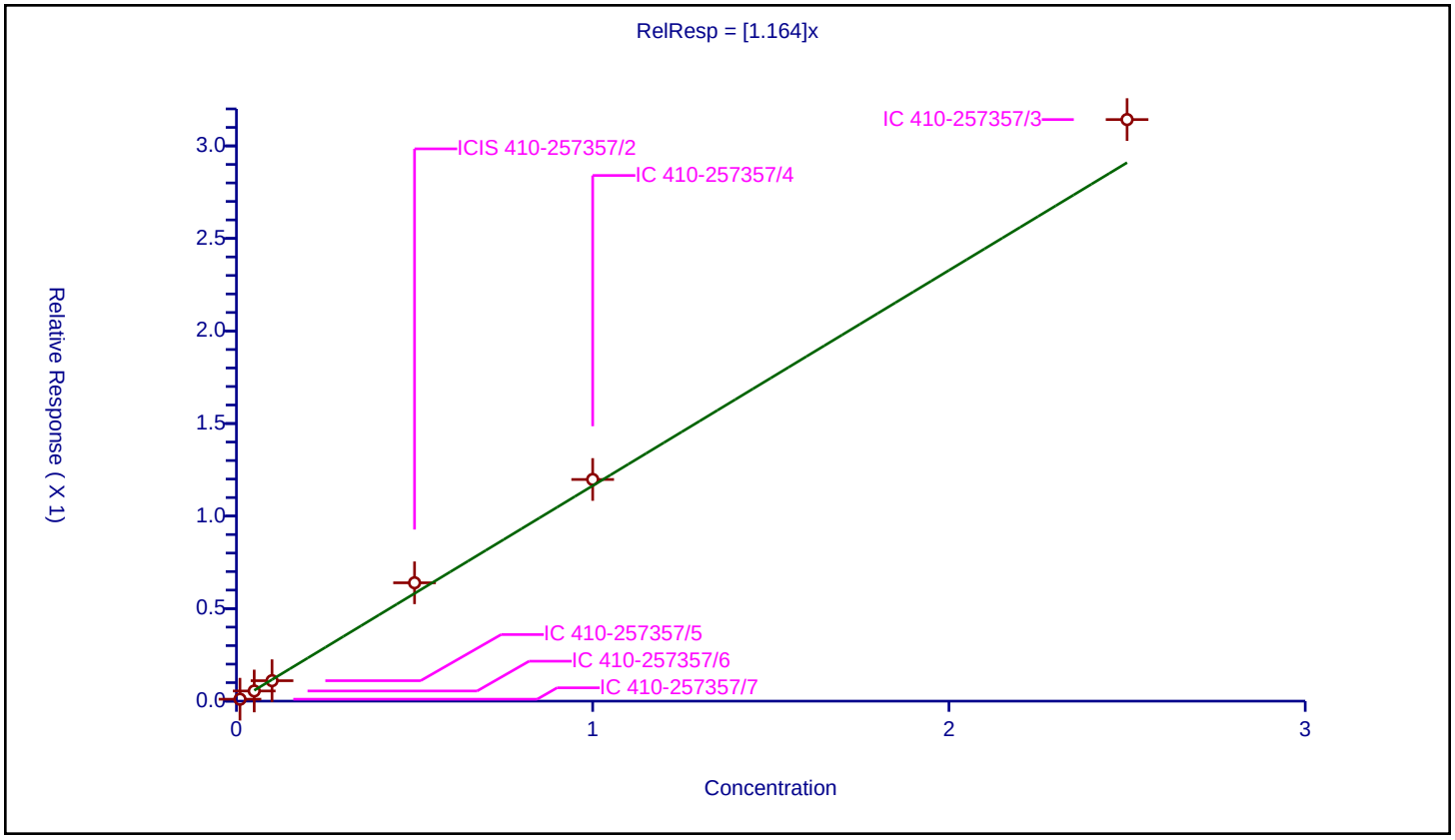
Curve Coefficients

Intercept:	0
Slope:	1.164

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.010466	0.25	184988.0	1.046554	Y
2	IC 410-257357/6	0.05	0.054938	0.25	200363.0	1.098756	Y
3	IC 410-257357/5	0.1	0.110429	0.25	217906.0	1.104295	Y
4	ICIS 410-257357/2	0.5	0.639519	0.25	195348.0	1.279038	Y
5	IC 410-257357/4	1.0	1.197666	0.25	219123.0	1.197666	Y
6	IC 410-257357/3	2.5	3.14225	0.25	209761.0	1.2569	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

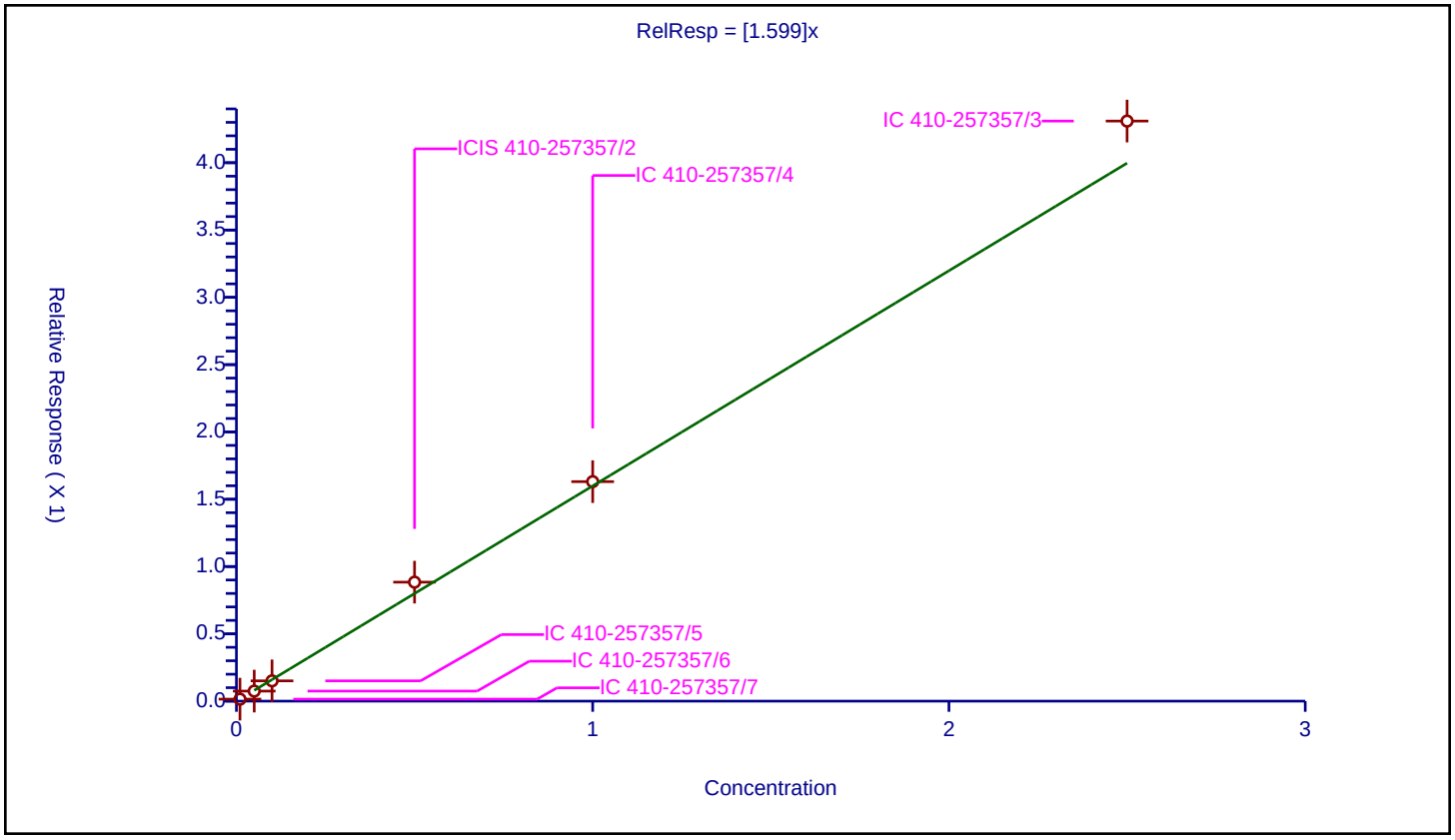
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.014678	0.25	184988.0	1.467798	Y
2	IC 410-257357/6	0.05	0.074768	0.25	200363.0	1.495361	Y
3	IC 410-257357/5	0.1	0.150738	0.25	217906.0	1.507382	Y
4	ICIS 410-257357/2	0.5	0.88407	0.25	195348.0	1.768139	Y
5	IC 410-257357/4	1.0	1.630774	0.25	219123.0	1.630774	Y
6	IC 410-257357/3	2.5	4.309497	0.25	209761.0	1.723799	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

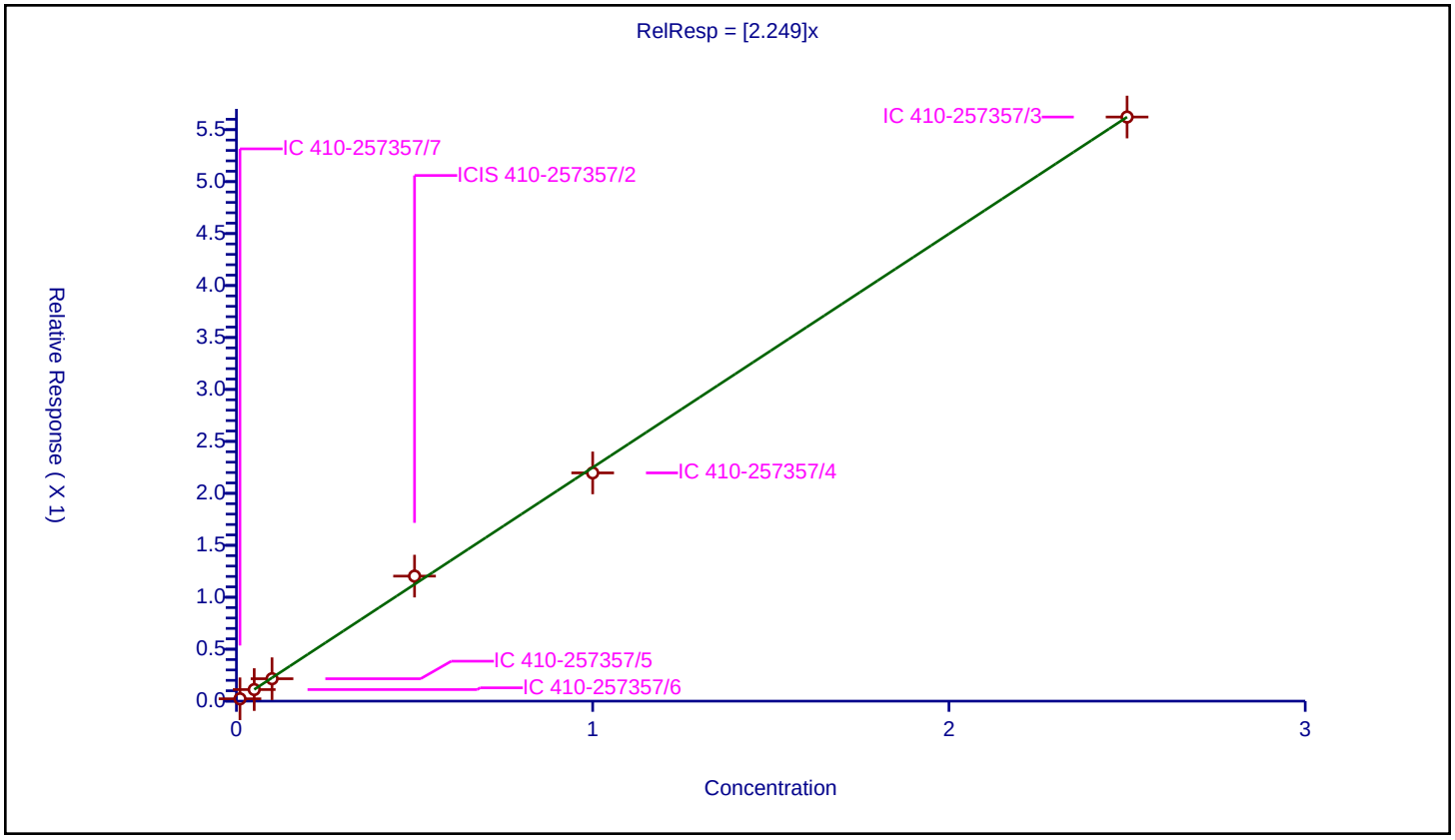
Curve Coefficients

Intercept:	0
Slope:	2.249

Error Coefficients

Standard Error:	1850000
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 410-257357/7	0.01	0.022557	0.25	128983.0	2.255724	Y
2	IC 410-257357/6	0.05	0.111405	0.25	141717.0	2.228102	Y
3	IC 410-257357/5	0.1	0.21563	0.25	158589.0	2.156297	Y
4	ICIS 410-257357/2	0.5	1.203467	0.25	149457.0	2.406933	Y
5	IC 410-257357/4	1.0	2.196571	0.25	169406.0	2.196571	Y
6	IC 410-257357/3	2.5	5.621924	0.25	168013.0	2.248769	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

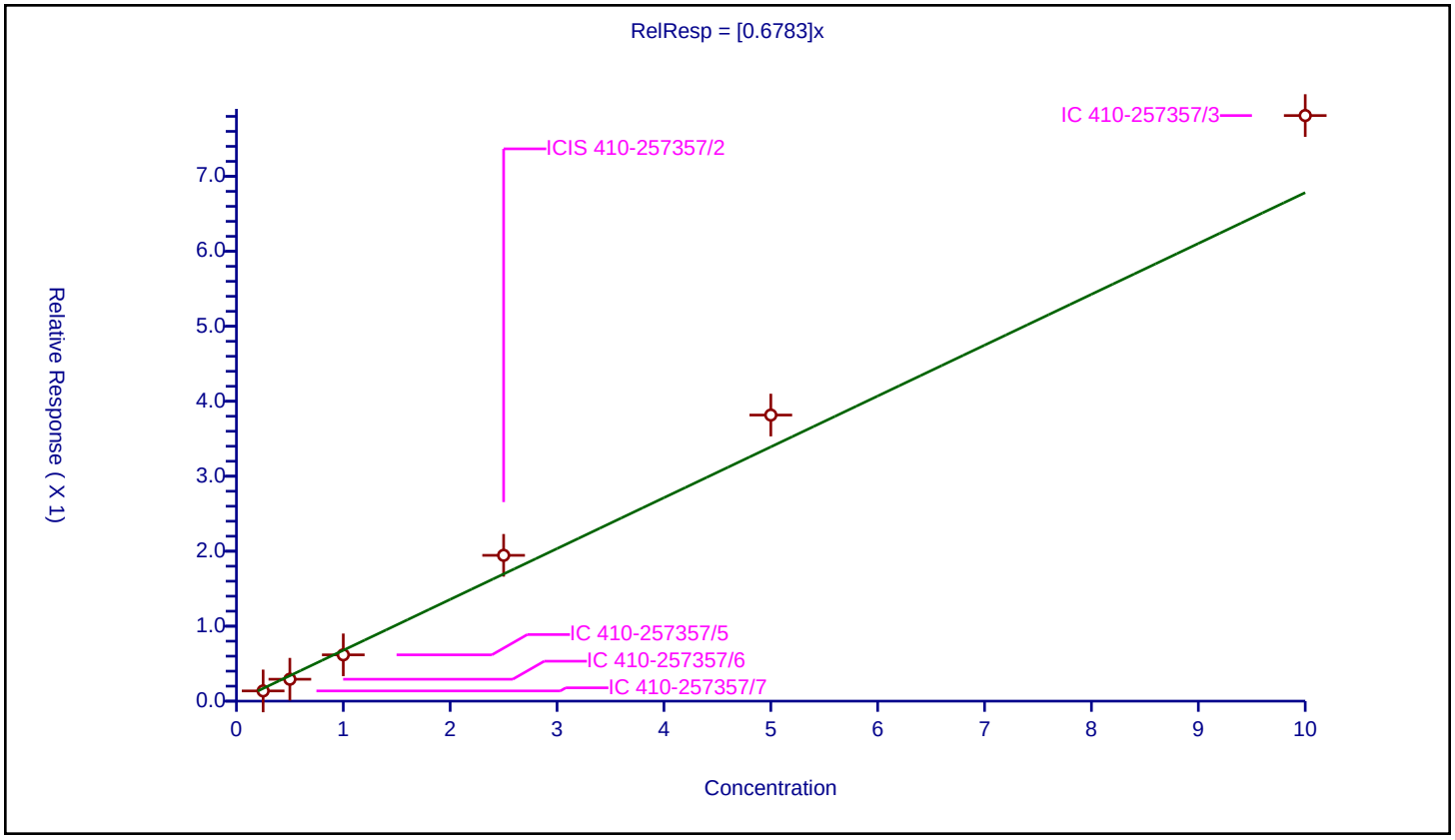
Curve Coefficients

Intercept:	0
Slope:	0.6783

Error Coefficients

Standard Error:	2680000
Relative Standard Error:	15.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.136371	0.25	128983.0	0.545483	Y
2	IC 410-257357/6	0.5	0.292273	0.25	141717.0	0.584545	Y
3	IC 410-257357/5	1.0	0.617513	0.25	158589.0	0.617513	Y
4	ICIS 410-257357/2	2.5	1.944906	0.25	149457.0	0.777962	Y
5	IC 410-257357/4	5.0	3.816178	0.25	169406.0	0.763236	Y
6	IC 410-257357/3	10.0	7.811241	0.25	168013.0	0.781124	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

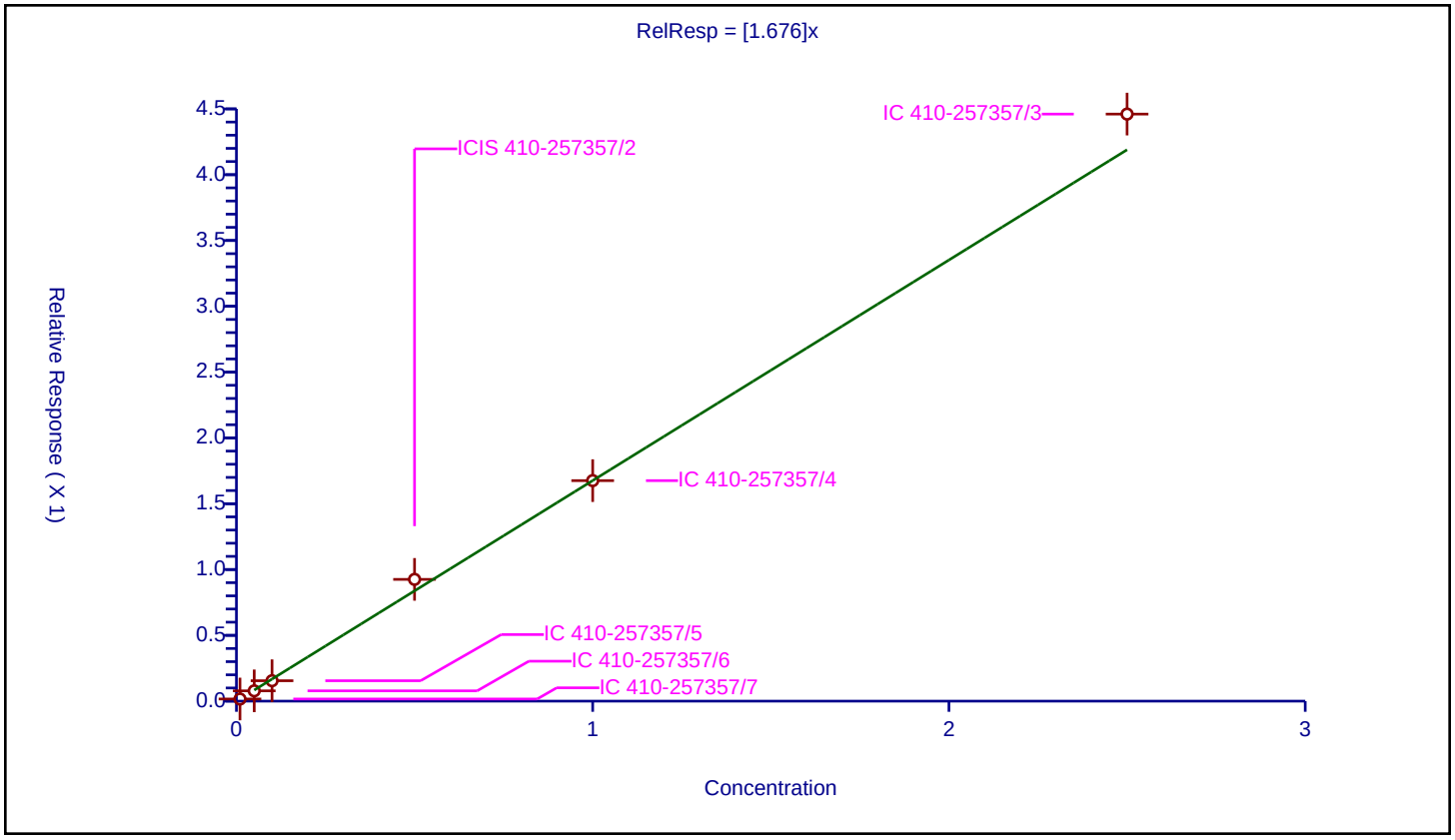
Curve Coefficients

Intercept:	0
Slope:	1.676

Error Coefficients

Standard Error:	1460000
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 410-257357/7	0.01	0.016297	0.25	128983.0	1.629672	Y
2	IC 410-257357/6	0.05	0.078255	0.25	141717.0	1.565091	Y
3	IC 410-257357/5	0.1	0.155033	0.25	158589.0	1.550328	Y
4	ICIS 410-257357/2	0.5	0.925184	0.25	149457.0	1.850368	Y
5	IC 410-257357/4	1.0	1.675453	0.25	169406.0	1.675453	Y
6	IC 410-257357/3	2.5	4.460563	0.25	168013.0	1.784225	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

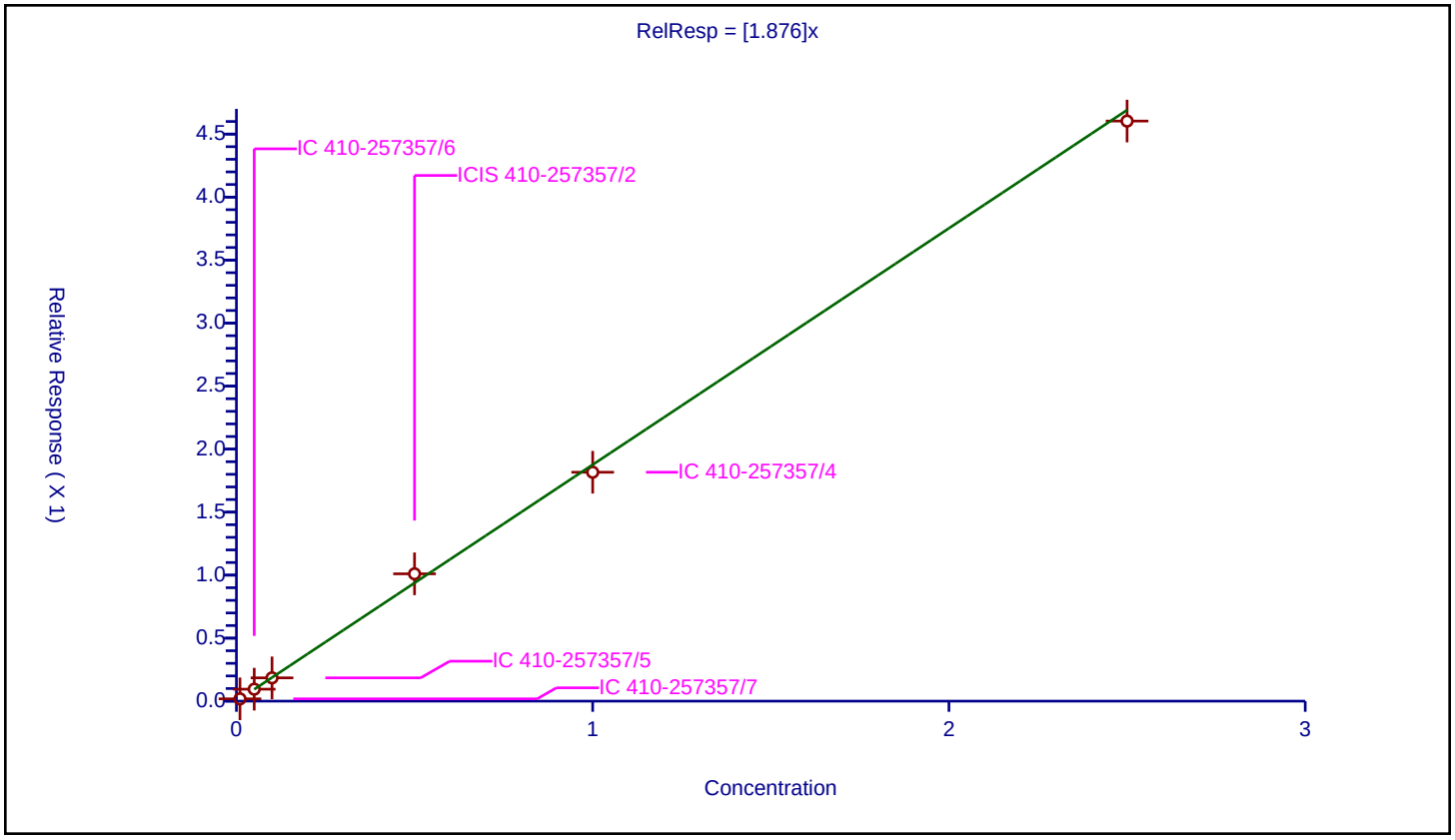
Curve Coefficients

Intercept:	0
Slope:	1.876

Error Coefficients

Standard Error:	1510000
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 410-257357/7	0.01	0.018316	0.25	128983.0	1.831637	Y
2	IC 410-257357/6	0.05	0.094915	0.25	141717.0	1.89829	Y
3	IC 410-257357/5	0.1	0.184926	0.25	158589.0	1.849261	Y
4	ICIS 410-257357/2	0.5	1.010434	0.25	149457.0	2.020869	Y
5	IC 410-257357/4	1.0	1.816501	0.25	169406.0	1.816501	Y
6	IC 410-257357/3	2.5	4.603319	0.25	168013.0	1.841328	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

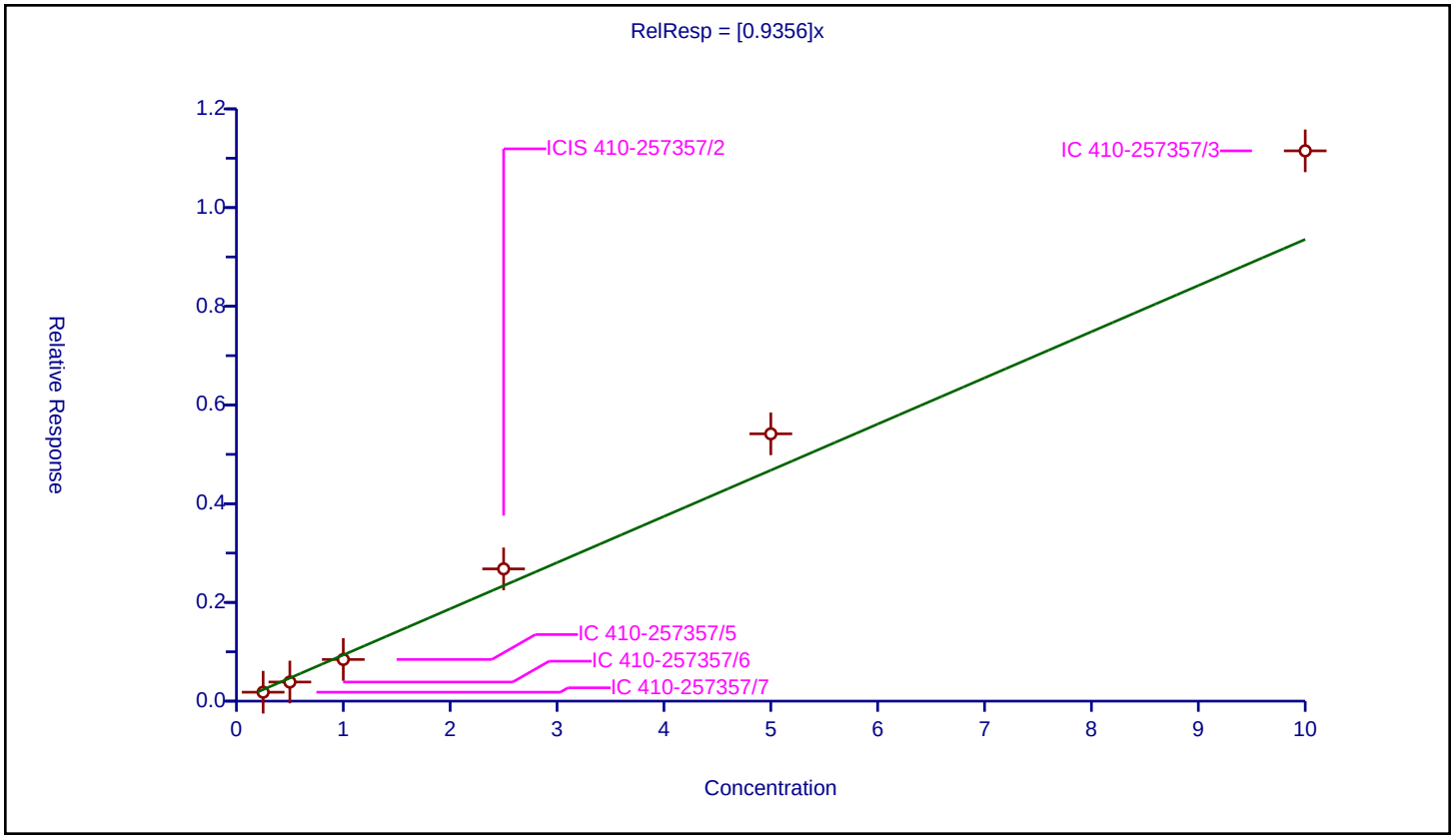
Curve Coefficients

Intercept:	0
Slope:	0.9356

Error Coefficients

Standard Error:	3810000
Relative Standard Error:	18.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.181158	0.25	128983.0	0.72463	Y
2	IC 410-257357/6	0.5	0.387376	0.25	141717.0	0.774752	Y
3	IC 410-257357/5	1.0	0.844179	0.25	158589.0	0.844179	Y
4	ICIS 410-257357/2	2.5	2.679724	0.25	149457.0	1.07189	Y
5	IC 410-257357/4	5.0	5.416468	0.25	169406.0	1.083294	Y
6	IC 410-257357/3	10.0	11.150002	0.25	168013.0	1.115	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

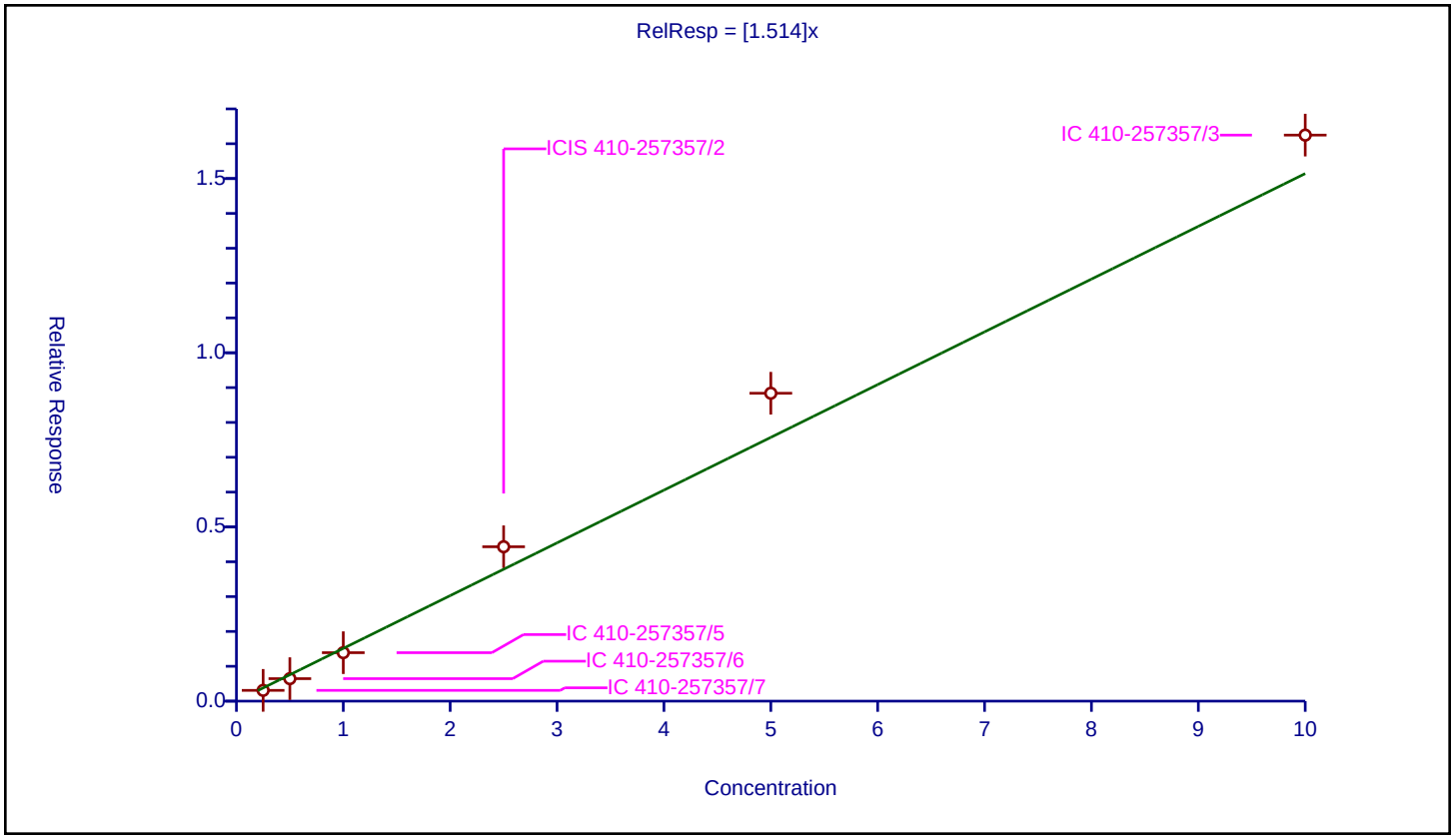
Curve Coefficients

Intercept:	0
Slope:	1.514

Error Coefficients

Standard Error:	5870000
Relative Standard Error:	15.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.25	0.309565	0.25	110405.0	1.238259	Y
2	IC 410-257357/6	0.5	0.645649	0.25	126376.0	1.291297	Y
3	IC 410-257357/5	1.0	1.391277	0.25	146878.0	1.391277	Y
4	ICIS 410-257357/2	2.5	4.431097	0.25	145479.0	1.772439	Y
5	IC 410-257357/4	5.0	8.837995	0.25	167103.0	1.767599	Y
6	IC 410-257357/3	10.0	16.247499	0.25	175519.0	1.62475	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

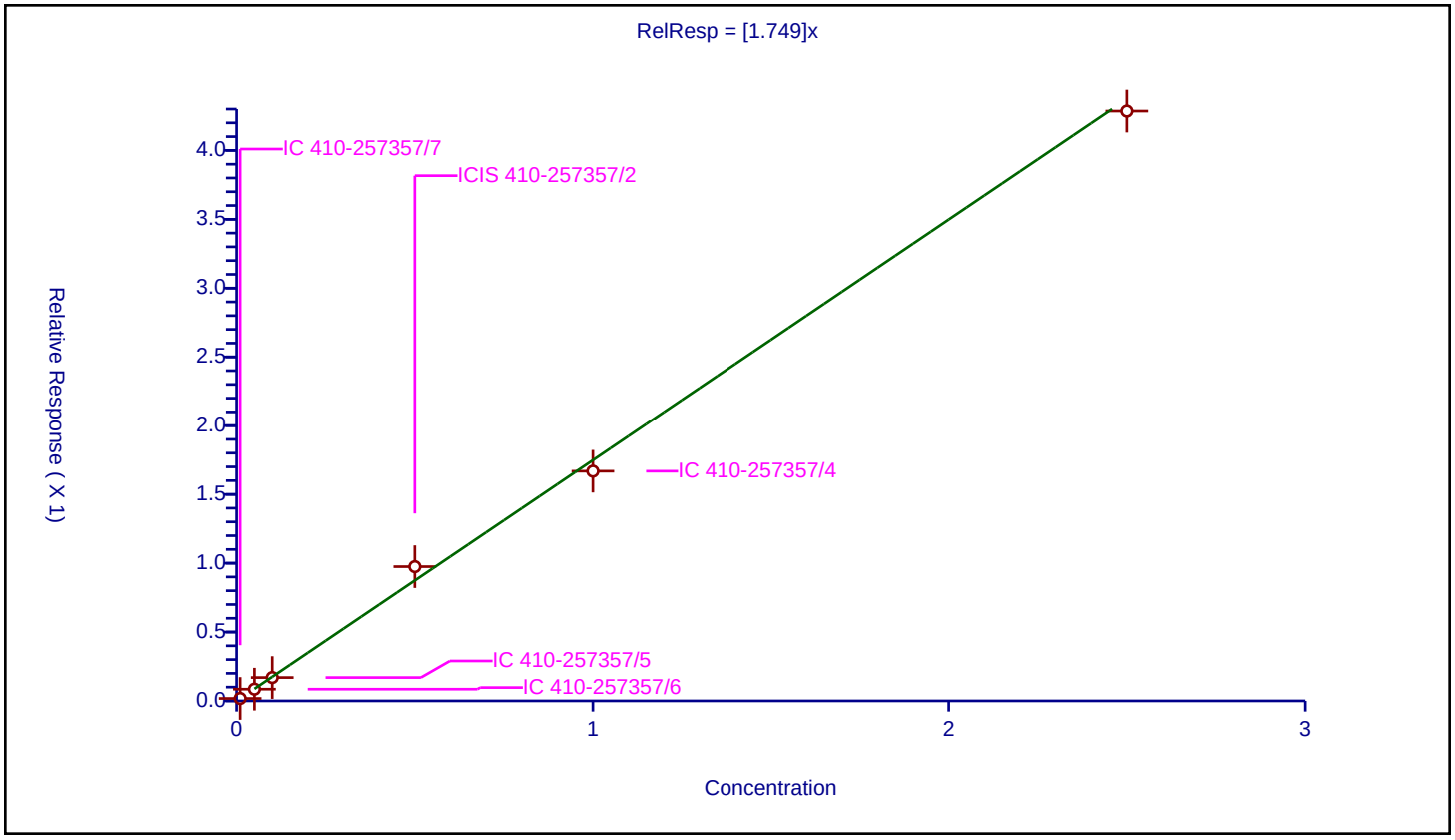
Curve Coefficients

Intercept:	0
Slope:	1.749

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.017624	0.25	110405.0	1.762375	Y
2	IC 410-257357/6	0.05	0.085202	0.25	126376.0	1.704042	Y
3	IC 410-257357/5	0.1	0.169442	0.25	146878.0	1.694416	Y
4	ICIS 410-257357/2	0.5	0.975115	0.25	145479.0	1.95023	Y
5	IC 410-257357/4	1.0	1.668797	0.25	167103.0	1.668797	Y
6	IC 410-257357/3	2.5	4.285412	0.25	175519.0	1.714165	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

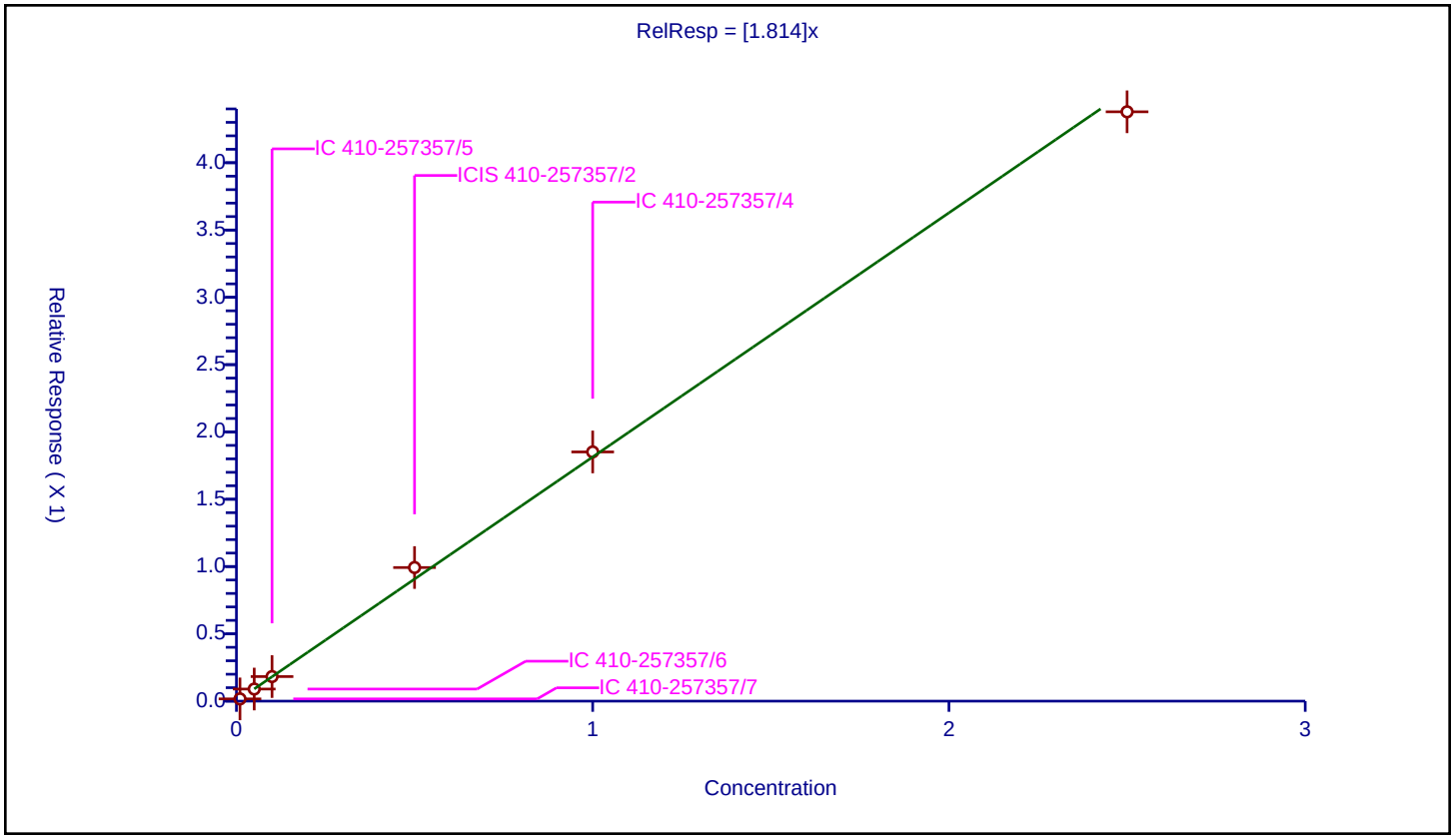
Curve Coefficients

Intercept:	0
Slope:	1.814

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.016716	0.25	110405.0	1.671573	Y
2	IC 410-257357/6	0.05	0.089926	0.25	126376.0	1.798522	Y
3	IC 410-257357/5	0.1	0.182539	0.25	146878.0	1.825393	Y
4	ICIS 410-257357/2	0.5	0.992726	0.25	145479.0	1.985452	Y
5	IC 410-257357/4	1.0	1.851484	0.25	167103.0	1.851484	Y
6	IC 410-257357/3	2.5	4.378345	0.25	175519.0	1.751338	Y



Calibration / Benzo[e]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

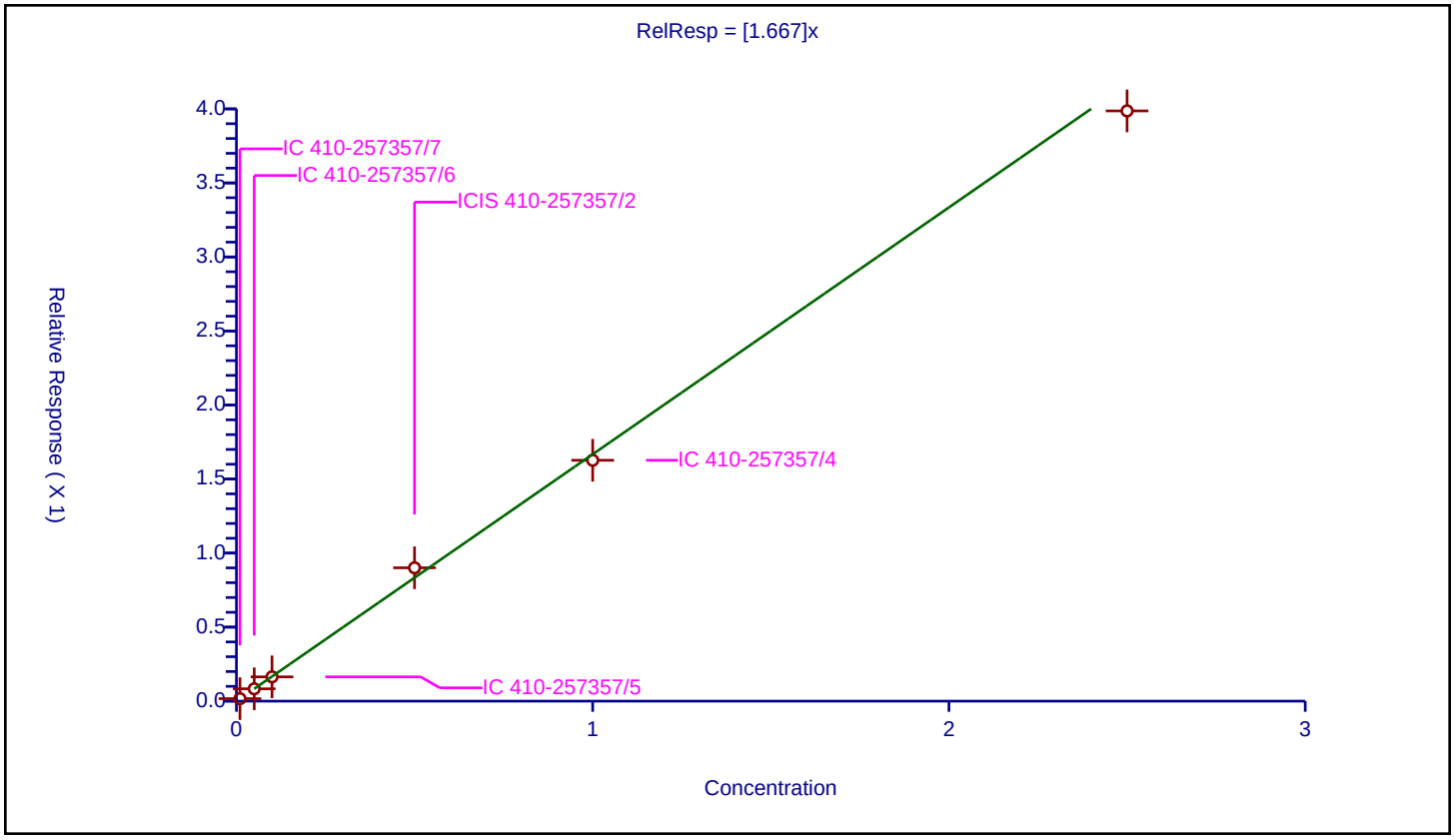
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Standard Error:	1360000
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 410-257357/7	0.01	0.016738	0.25	110405.0	1.673837	Y
2	IC 410-257357/6	0.05	0.08337	0.25	126376.0	1.667405	Y
3	IC 410-257357/5	0.1	0.16401	0.25	146878.0	1.640103	Y
4	ICIS 410-257357/2	0.5	0.900549	0.25	145479.0	1.801098	Y
5	IC 410-257357/4	1.0	1.626715	0.25	167103.0	1.626715	Y
6	IC 410-257357/3	2.5	3.986291	0.25	175519.0	1.594516	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

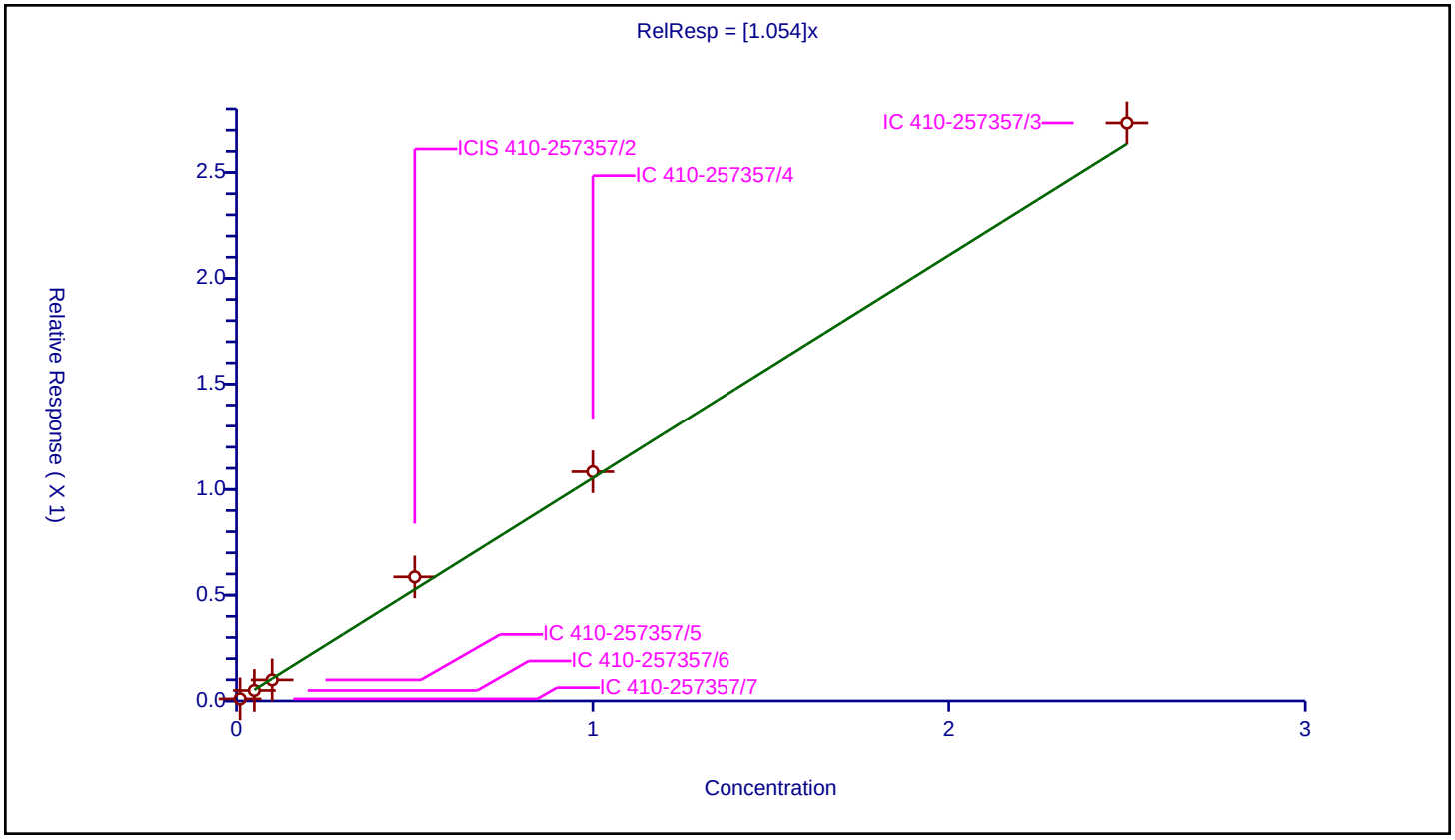
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Standard Error:	931000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.009877	0.25	110405.0	0.987727	Y
2	IC 410-257357/6	0.05	0.049626	0.25	126376.0	0.992514	Y
3	IC 410-257357/5	0.1	0.099491	0.25	146878.0	0.994907	Y
4	ICIS 410-257357/2	0.5	0.586502	0.25	145479.0	1.173004	Y
5	IC 410-257357/4	1.0	1.083888	0.25	167103.0	1.083888	Y
6	IC 410-257357/3	2.5	2.733955	0.25	175519.0	1.093582	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

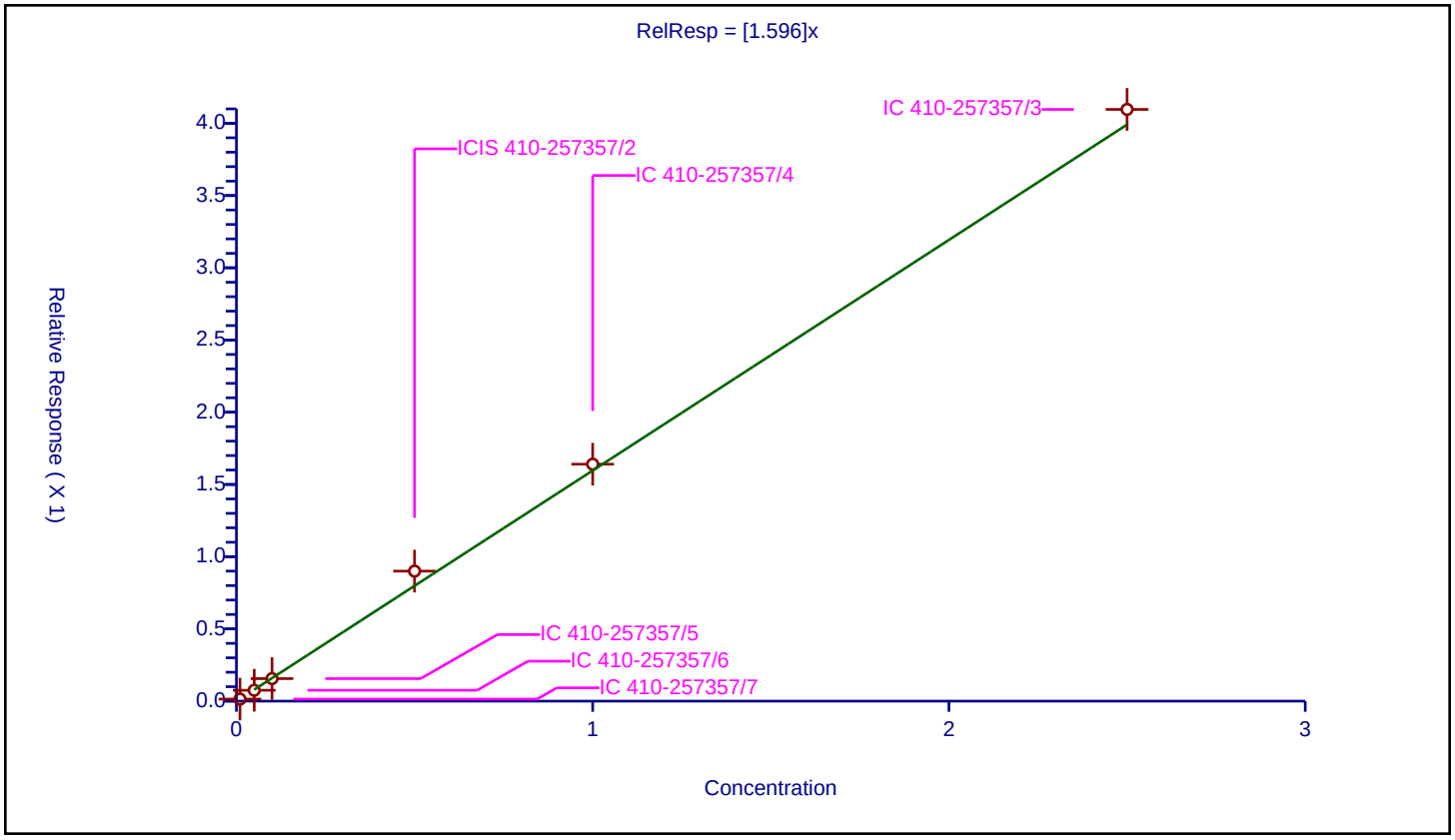
Curve Coefficients

Intercept:	0
Slope:	1.596

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.014356	0.25	110405.0	1.435623	Y
2	IC 410-257357/6	0.05	0.07525	0.25	126376.0	1.504993	Y
3	IC 410-257357/5	0.1	0.155936	0.25	146878.0	1.559355	Y
4	ICIS 410-257357/2	0.5	0.900101	0.25	145479.0	1.800201	Y
5	IC 410-257357/4	1.0	1.640258	0.25	167103.0	1.640258	Y
6	IC 410-257357/3	2.5	4.096359	0.25	175519.0	1.638543	Y



Calibration / Perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

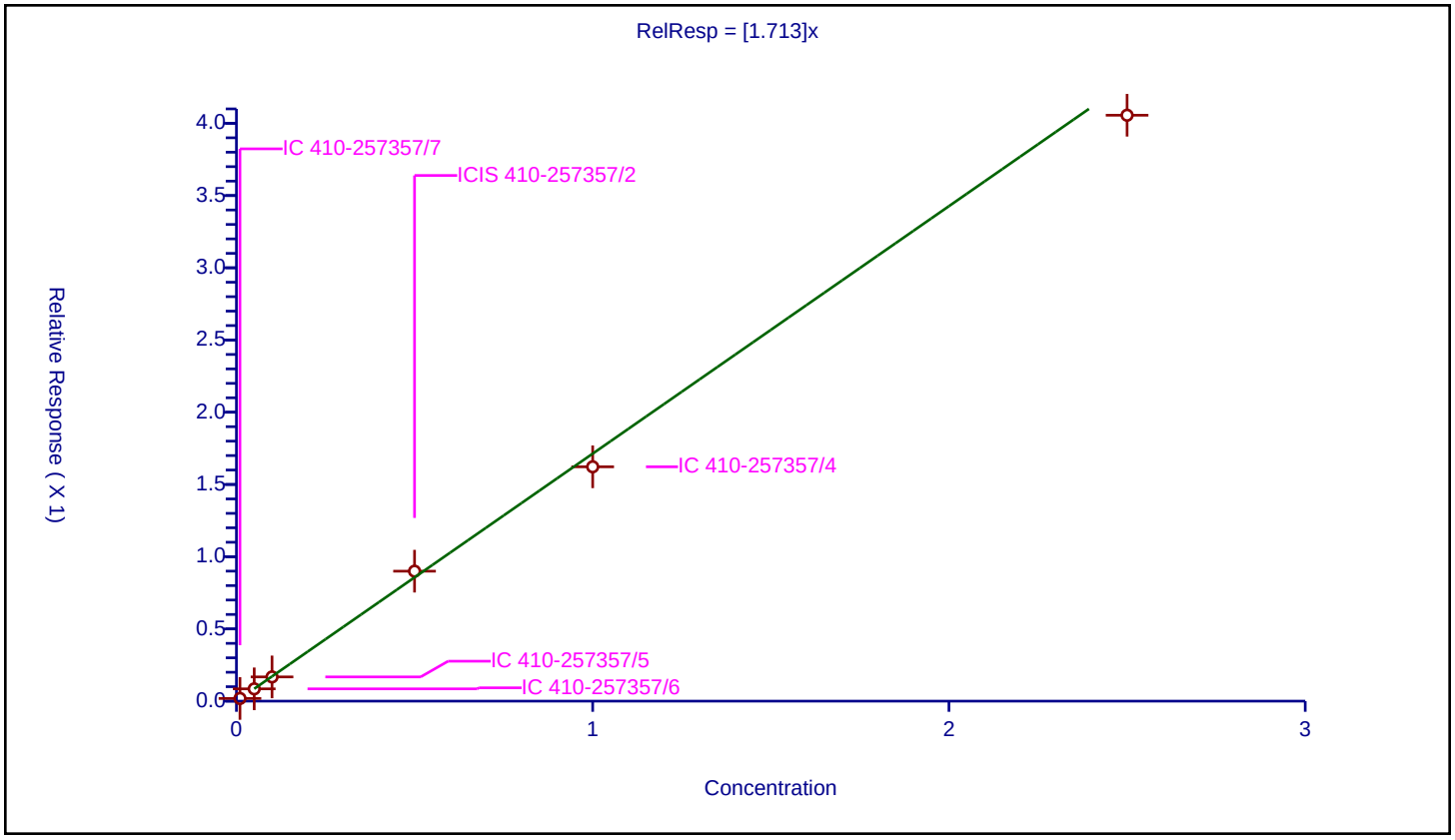
Curve Coefficients

Intercept:	0
Slope:	1.713

Error Coefficients

Standard Error:	1380000
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 410-257357/7	0.01	0.018595	0.25	110405.0	1.859517	Y
2	IC 410-257357/6	0.05	0.08501	0.25	126376.0	1.700204	Y
3	IC 410-257357/5	0.1	0.167622	0.25	146878.0	1.676221	Y
4	ICIS 410-257357/2	0.5	0.899676	0.25	145479.0	1.799352	Y
5	IC 410-257357/4	1.0	1.622257	0.25	167103.0	1.622257	Y
6	IC 410-257357/3	2.5	4.056126	0.25	175519.0	1.622451	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

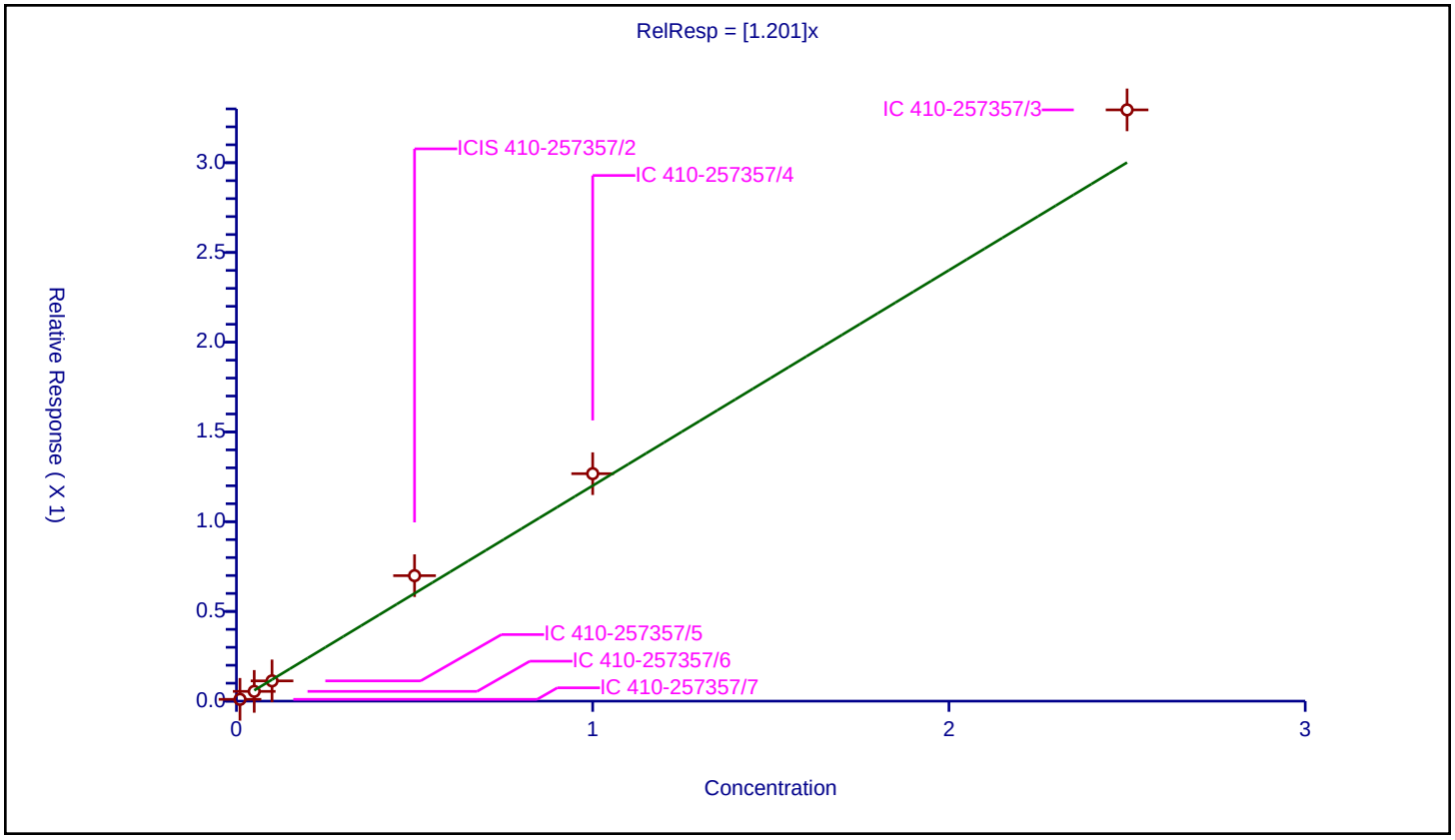
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.010022	0.25	110405.0	1.002219	Y
2	IC 410-257357/6	0.05	0.054464	0.25	126376.0	1.089289	Y
3	IC 410-257357/5	0.1	0.112839	0.25	146878.0	1.128385	Y
4	ICIS 410-257357/2	0.5	0.69918	0.25	145479.0	1.39836	Y
5	IC 410-257357/4	1.0	1.267407	0.25	167103.0	1.267407	Y
6	IC 410-257357/3	2.5	3.294497	0.25	175519.0	1.317799	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

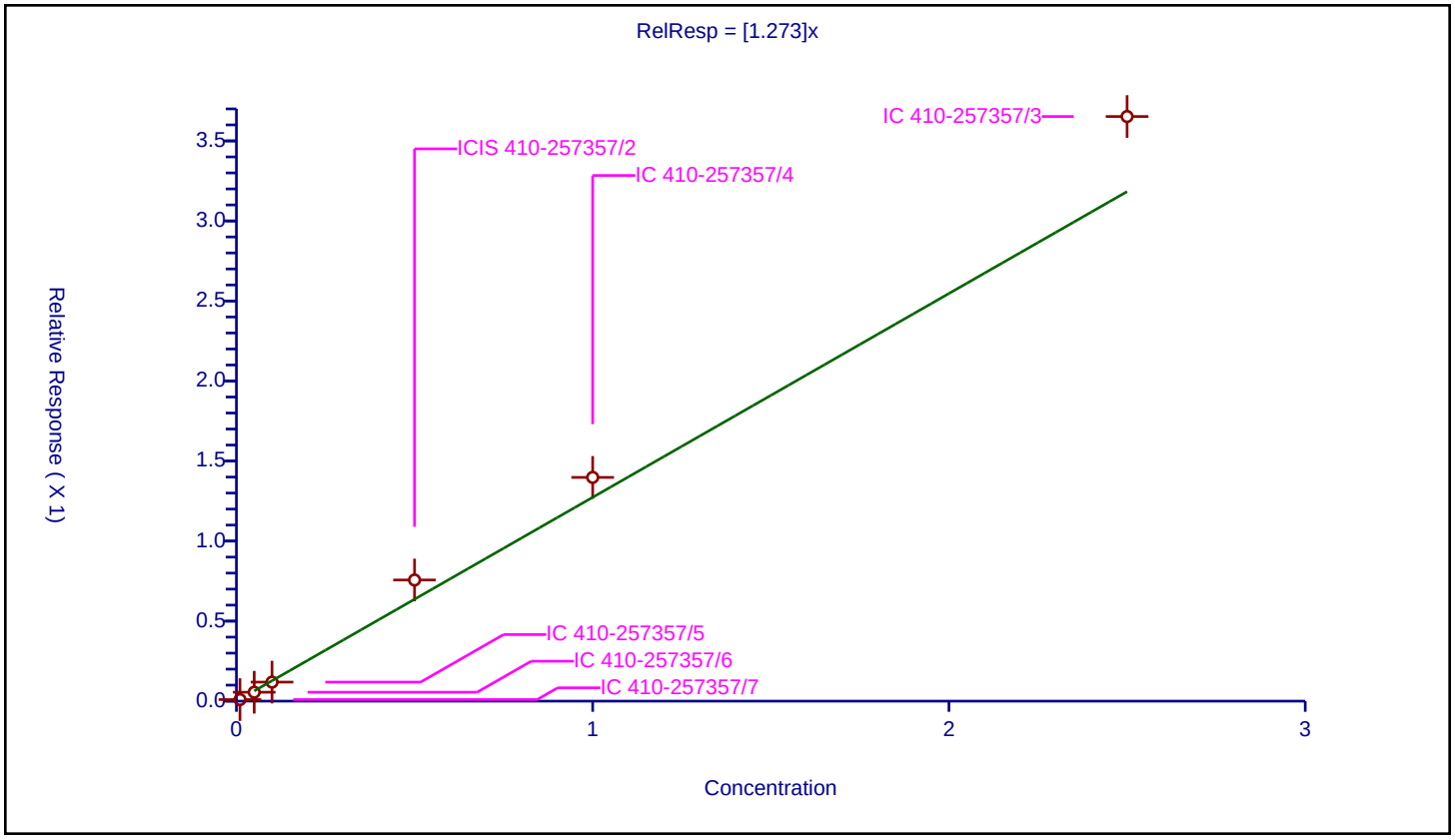
Curve Coefficients

Intercept:	0
Slope:	1.273

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	17.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.009653	0.25	110405.0	0.96531	Y
2	IC 410-257357/6	0.05	0.055703	0.25	126376.0	1.114056	Y
3	IC 410-257357/5	0.1	0.118838	0.25	146878.0	1.188384	Y
4	ICIS 410-257357/2	0.5	0.756783	0.25	145479.0	1.513566	Y
5	IC 410-257357/4	1.0	1.397777	0.25	167103.0	1.397777	Y
6	IC 410-257357/3	2.5	3.652357	0.25	175519.0	1.460943	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

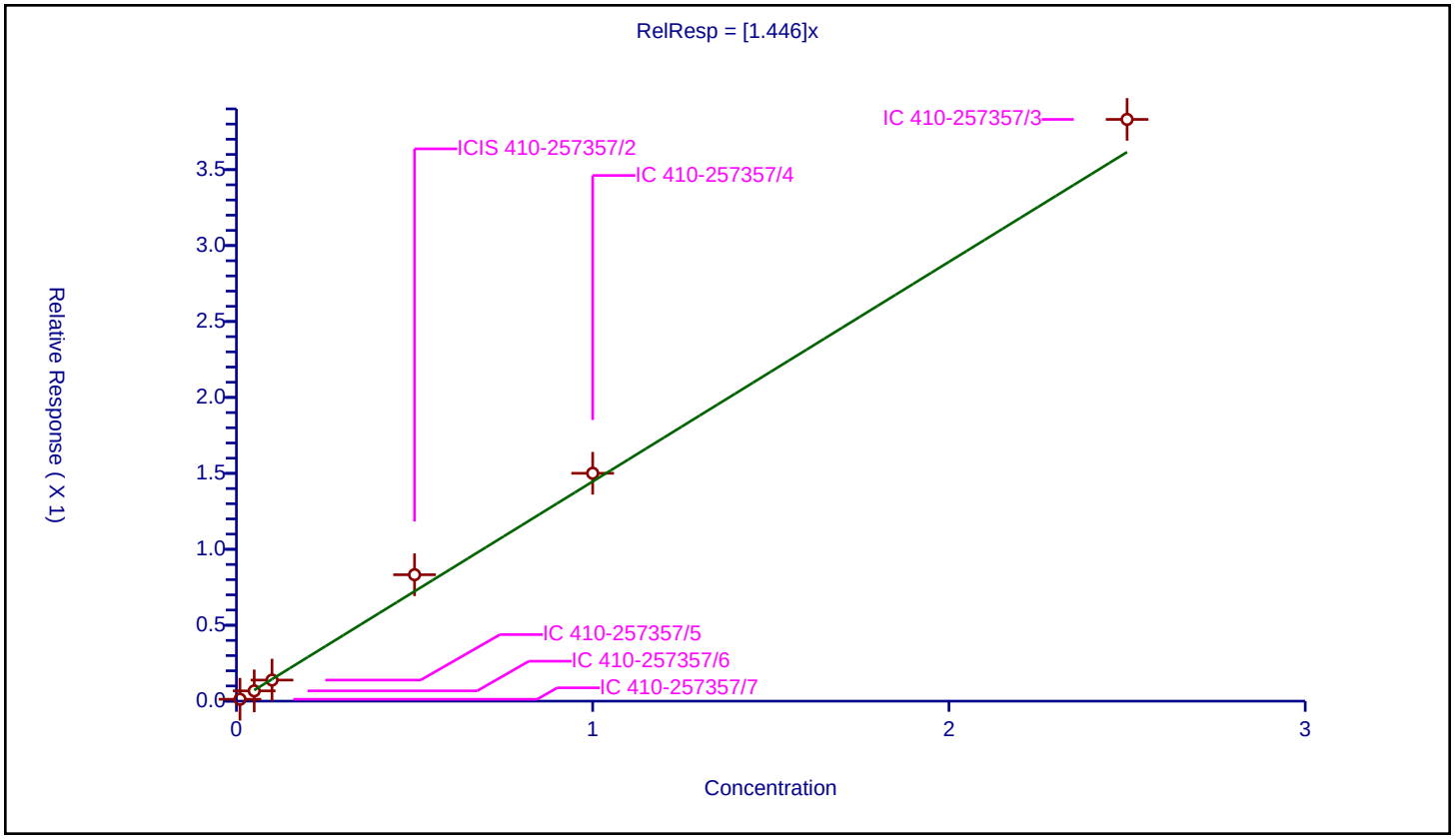
Curve Coefficients

Intercept:	0
Slope:	1.446

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-257357/7	0.01	0.012384	0.25	110405.0	1.238395	Y
2	IC 410-257357/6	0.05	0.067657	0.25	126376.0	1.353145	Y
3	IC 410-257357/5	0.1	0.138824	0.25	146878.0	1.388244	Y
4	ICIS 410-257357/2	0.5	0.832491	0.25	145479.0	1.664983	Y
5	IC 410-257357/4	1.0	1.500573	0.25	167103.0	1.500573	Y
6	IC 410-257357/3	2.5	3.830752	0.25	175519.0	1.532301	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250058/7	ND1406.D
Level 2	IC 410-250058/6	ND1405.D
Level 3	IC 410-250058/5	ND1404.D
Level 4	ICIS 410-250058/2	ND1401.D
Level 5	IC 410-250058/4	ND1403.D
Level 6	IC 410-250058/3	ND1402.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.8012 0.6120	0.6932	0.6667	0.7460	0.6468	Ave		0.6943				10.0		20.4			
N-Nitrosodimethylamine	0.7028 0.7908	0.7056	0.7393	0.8959	0.7862	Ave		0.7701				9.4		20.4			
Bis(2-chloroethyl)ether	0.4082 0.4500	0.5049	0.4891	0.5585	0.4729	Ave		0.4806				10.6		20.4			
Naphthalene	1.2902 1.0942	1.3342	1.2534	1.3677	1.1741	Ave		1.2523				8.2		20.4			
Quinoline	0.6978 0.6507	0.7371	0.7163	0.7799	0.6823	Ave		0.7107				6.3		20.4			
2-Methylnaphthalene	0.7729 0.6625	0.7970	0.7570	0.8211	0.7022	Ave		0.7521				7.9		20.4			
1-Methylnaphthalene	0.6925 0.6037	0.7246	0.7006	0.7290	0.6487	Ave		0.6832				7.1		20.4			
Dimethylphthalate	1.2447 0.9683	1.1732	1.1317	1.1486	1.0587	Ave		1.1209				8.6		20.4			
Acenaphthylene	2.2567 2.1471	2.4486	2.3979	2.4188	2.1610	Ave		2.3050				5.8		20.4			
Acenaphthene	1.3578 1.3068	1.3871	1.3930	1.4827	1.3283	Ave		1.3760				4.5		20.4			
Dibenzofuran	2.0778 1.9273	2.2205	2.1916	2.2424	2.0328	Ave		2.1154				5.9		20.4			
Diethylphthalate	1.2619 1.0197	1.1917	1.1331	1.1343	1.0763	Ave		1.1362				7.5		20.4			
Fluorene	1.4646 1.4765	1.5410	1.5200	1.6273	1.5314	Ave		1.5268				3.8		20.4			
N-Nitrosodiphenylamine	0.5178 0.4758	0.5621	0.5573	0.6145	0.5131	Ave		0.5401				8.9		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobenzene	0.3142 0.2689	0.3036	0.3088	0.3201	0.2816	Ave		0.2995				6.7		20.4			
Phenanthrene	1.3219 1.2335	1.3502	1.3152	1.4262	1.2879	Ave		1.3225				4.9		20.4			
Anthracene	1.2089 1.1988	1.2480	1.2282	1.3520	1.2457	Ave		1.2469				4.4		20.4			
Di-n-butyl phthalate	0.8720 0.9103	0.9019	0.9055	1.0149	0.9561	Ave		0.9268				5.5		20.4			
Fluoranthene	1.2354 1.2000	1.2776	1.2755	1.3749	1.2225	Ave		1.2643				4.9		20.4			
Pyrene	2.0986 1.7732	2.1043	2.0142	2.1980	1.9209	Ave		2.0182				7.5		20.4			
Butylbenzylphthalate	0.4099 0.5667	0.4413	0.4869	0.6039	0.5989	Ave		0.5179				16.1		20.4			
Benzo[a]anthracene	1.3646 1.4506	1.3478	1.3780	1.6467	1.4737	Ave		1.4436				7.7		20.4			
Chrysene	1.5633 1.5476	1.6913	1.6468	1.7540	1.6552	Ave		1.6430				4.7		20.4			
Bis(2-ethylhexyl) phthalate	0.4989 0.7636	0.5523	0.6320	0.7855	0.7972	Ave		0.6716				19.2		20.4			
Di-n-octyl phthalate	0.8501 1.0799	0.8955	1.0226	1.2660	1.1929	Ave		1.0512				15.5		20.4			
Benzo[b]fluoranthene	1.1989 1.2287	1.2420	1.3130	1.4923	1.2909	Ave		1.2943				8.2		20.4			
Benzo[k]fluoranthene	1.5534 1.3634	1.7356	1.8039	1.9296	1.6292	Ave		1.6692				11.9		20.4			
Benzo[e]pyrene	1.3917 1.2226	1.4167	1.4872	1.5994	1.3721	Ave		1.4149				8.9		20.4			
Benzo[a]pyrene	1.2541 1.2402	1.3815	1.4233	1.5860	1.3651	Ave		1.3750				9.2		20.4			
Perylene	1.4862 1.2522	1.5163	1.6115	1.6569	1.4103	Ave		1.4889				9.8		20.4			
Indeno[1,2,3-cd]pyrene	0.8382 0.9496	0.8380	0.8780	1.0766	0.9630	Ave		0.9239				10.0		20.4			
Dibenz(a,h)anthracene	0.8981 1.0879	0.9353	1.0921	1.3354	1.1746	Ave		1.0872				14.7		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[g,h,i]perylene	1.1544 1.2201	1.2646	1.3480	1.5292	1.3432	Ave		1.3099				10.0		20.4			
1-Methylnaphthalene-d10 (Surr)	0.5645 0.4870	0.5730	0.5470	0.5807	0.5175	Ave		0.5450				6.6		20.4			
Fluoranthene-d10 (Surr)	0.9968 0.9459	1.0322	1.0318	1.0842	0.9827	Ave		1.0123				4.7		20.4			
Benzo(a)pyrene-d12 (Surr)	0.8368 0.8736	0.9275	0.9662	1.0949	0.9680	Ave		0.9445				9.5		20.4			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-250058/7	ND1406.D
Level 2	IC 410-250058/6	ND1405.D
Level 3	IC 410-250058/5	ND1404.D
Level 4	ICIS 410-250058/2	ND1401.D
Level 5	IC 410-250058/4	ND1403.D
Level 6	IC 410-250058/3	ND1402.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	2596 467247	11598	22165	112536	197311	0.0100 2.50	0.0500	0.100	0.500	1.00
N-Nitrosodimethylamine	DCBd 4	Ave	2277 603759	11805	24578	135145	239837	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-chloroethyl)ether	NPT	Ave	4307 1154539	27184	54033	275872	487037	0.0100 2.50	0.0500	0.100	0.500	1.00
Naphthalene	NPT	Ave	13615 2807052	71834	138467	675631	1209249	0.0100 2.50	0.0500	0.100	0.500	1.00
Quinoline	NPT	Ave	7363 1669204	39689	79132	385267	702759	0.0100 2.50	0.0500	0.100	0.500	1.00
2-Methylnaphthalene	NPT	Ave	8156 1699691	42912	83629	405592	723216	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene	NPT	Ave	7307 1548784	39012	77400	360116	668095	0.0100 2.50	0.0500	0.100	0.500	1.00
Dimethylphthalate	ANT	Ave	150269 4226213	286965	558189	1304036	2399602	0.250 10.0	0.500	1.00	2.50	5.00
Acenaphthylene	ANT	Ave	10898 2342668	59891	118276	549209	979568	0.0100 2.50	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	6557 1425856	33927	68709	336671	602123	0.0100 2.50	0.0500	0.100	0.500	1.00
Dibenzofuran	ANT	Ave	10034 2102902	54310	108101	509157	921438	0.0100 2.50	0.0500	0.100	0.500	1.00
Diethylphthalate	ANT	Ave	152343 4450224	291473	558880	1287829	2439489	0.250 10.0	0.500	1.00	2.50	5.00
Fluorene	ANT	Ave	7073	37691	74972	369497	694170	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1610950					2.50				
N-Nitrosodiphenylamine	PHN	Ave	4015 857938	22394	45104	220617	373833	0.0100 2.50	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	2436 484934	12094	24995	114901	205148	0.0100 2.50	0.0500	0.100	0.500	1.00
Phenanthrene	PHN	Ave	10250 2224209	53793	106442	511995	938338	0.0100 2.50	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	9374 2161687	49720	99400	485366	907594	0.0100 2.50	0.0500	0.100	0.500	1.00
Di-n-butyl phthalate	PHN	Ave	169026 6565565	359305	732840	1821681	3483118	0.250 10.0	0.500	1.00	2.50	5.00
Fluoranthene	PHN	Ave	9579 2163748	50900	103224	493603	890712	0.0100 2.50	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	10149 2242583	54315	105490	535577	940635	0.0100 2.50	0.0500	0.100	0.500	1.00
Butylbenzylphthalate	CRY	Ave	49560 2866869	113905	254980	735781	1466213	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[a]anthracene	CRY	Ave	6599 1834512	34790	72172	401235	721642	0.0100 2.50	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	7560 1957254	43656	86250	427391	810497	0.0100 2.50	0.0500	0.100	0.500	1.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	60319 3863131	142548	331021	956950	1951961	0.250 10.0	0.500	1.00	2.50	5.00
Di-n-octyl phthalate	PRY	Ave	89732 6452179	205647	492530	1553443	3201758	0.250 10.0	0.500	1.00	2.50	5.00
Benzo[b]fluoranthene	PRY	Ave	5062 1835312	28522	63241	366210	692921	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	6559 2036413	39856	86886	473534	874512	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[e]pyrene	PRY	Ave	5876 1826108	32534	71632	392505	736502	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[a]pyrene	PRY	Ave	5295 1852479	31726	68552	389209	732761	0.0100 2.50	0.0500	0.100	0.500	1.00
Perylene	PRY	Ave	6275 1870363	34820	77618	406601	757021	0.0100 2.50	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	3539	19244	42287	264192	516944	0.0100	0.0500	0.100	0.500	1.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-84076-1 Analy Batch No.: 250058

SDG No.:

Instrument ID: HP23263 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2022 14:59 Calibration End Date: 04/29/2022 17:03 Calibration ID: 37561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1418447					2.50				
Dibenz(a,h)anthracene	PRY	Ave	3792 1624951	21478	52603	327702	630501	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	4874 1822501	29040	64929	375272	720990	0.0100 2.50	0.0500	0.100	0.500	1.00
1-Methylnaphthalene-d10 (Surr)	NPT	Ave	5957 1249398	30850	60431	286852	533020	0.0100 2.50	0.0500	0.100	0.500	1.00
Fluoranthene-d10 (Surr)	PHN	Ave	7729 1705697	41124	83507	389236	716009	0.0100 2.50	0.0500	0.100	0.500	1.00
Benzo(a)pyrene-d12 (Surr)	PRY	Ave	3533 1304845	21299	46536	268698	519617	0.0100 2.50	0.0500	0.100	0.500	1.00

Curve Type Legend
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 29-Apr-2022 14:59:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 410-0056077-002
Operator ID: jmg00346 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:09 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 15:29:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.716	1.716	0.000	95	112536	0.5000	0.5372	
2 N-Nitrosodimethylamine	74	2.018	2.018	0.000	87	135145	0.5000	0.5817	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	95	275872	0.5000	0.5810	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	99	75428	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	246992	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	675631	0.5000	0.5461	
7 Quinoline	129	6.031	6.031	0.000	92	385267	0.5000	0.5487	
8 2-Methylnaphthalene	142	6.369	6.369	0.000	96	405592	0.5000	0.5458	
$ 9 1-Methylnaphthalene-d10	152	6.429	6.429	0.000	99	286852	0.5000	0.5328	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	96	360116	0.5000	0.5335	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	1304036	2.50	2.56	
12 Acenaphthylene	152	7.230	7.230	0.000	97	549209	0.5000	0.5247	
* 13 Acenaphthene-d10	164	7.361	7.361	0.000	90	113531	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	0.000	96	336671	0.5000	0.5388	
15 Dibenzofuran	168	7.561	7.561	0.000	68	509157	0.5000	0.5300	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	1287829	2.50	2.50	
17 Fluorene	166	7.877	7.877	0.000	98	369497	0.5000	0.5329	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	220617	0.5000	0.5689	
19 Hexachlorobenzene	284	8.402	8.402	0.000	88	114901	0.5000	0.5343	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	179500	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	511995	0.5000	0.5392	
22 Anthracene	178	8.843	8.843	0.000	100	485366	0.5000	0.5421	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	1821681	2.50	2.74	
$ 24 Fluoranthene-d10 (Surr)	212	9.908	9.908	0.000	98	389236	0.5000	0.5355	
25 Fluoranthene	202	9.926	9.926	0.000	97	493603	0.5000	0.5437	
26 Pyrene	202	10.139	10.139	0.000	96	535577	0.5000	0.5445	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	735781	2.50	2.92	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	99	401235	0.5000	0.5703	
* 29 Chrysene-d12	240	11.429	11.429	0.000	94	121833	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	427391	0.5000	0.5338	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	956950	2.50	2.92	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	1553443	2.50	3.01	
33 Benzo[b]fluoranthene	252	12.833	12.833	0.000	100	366210	0.5000	0.5765	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	473534	0.5000	0.5780	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	392505	0.5000	0.5652	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	98	268698	0.5000	0.5796	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	389209	0.5000	0.5767	
* 38 Perylene-d12	264	13.377	13.377	0.000	97	122702	0.2500	0.2500	
39 Perylene	252	13.415	13.415	0.000	100	406601	0.5000	0.5564	
40 Indeno[1,2,3-cd]pyrene	276	14.995	14.995	0.000	97	264192	0.5000	0.5826	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	327702	0.5000	0.6141	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	100	375272	0.5000	0.5837	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_4_00019 Amount Added: 1.00 Units: mL

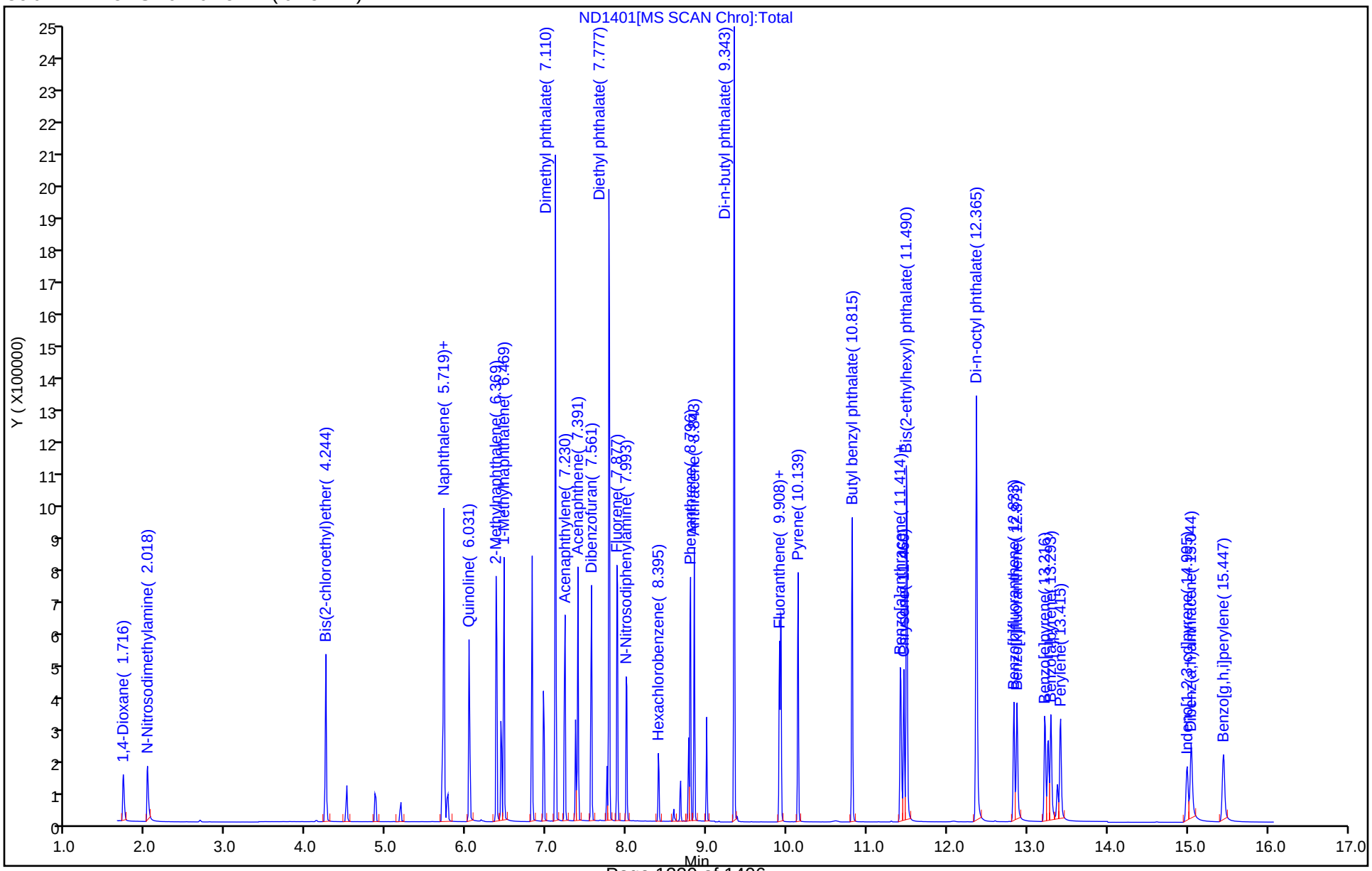
Report Date: 29-Apr-2022 18:27:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D

Injection Date:	29-Apr-2022 14:59:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	ICIS L4			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1402.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 29-Apr-2022 15:37:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0056077-003
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:12 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:26:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.711	1.716	-0.005	96	467247	2.50	2.20	
2 N-Nitrosodimethylamine	74	2.009	2.018	-0.009	87	603759	2.50	2.57	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	95	1154539	2.50	2.34	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	76345	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	93	256538	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	2807052	2.50	2.18	
7 Quinoline	129	6.031	6.031	0.000	91	1669204	2.50	2.29	
8 2-Methylnaphthalene	142	6.379	6.369	0.010	95	1699691	2.50	2.20	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.429	0.010	98	1249398	2.50	2.23	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	97	1548784	2.50	2.21	
11 Dimethyl phthalate	163	7.110	7.110	0.000	98	4226213	10.0	8.64	
12 Acenaphthylene	152	7.230	7.230	0.000	95	2342668	2.50	2.33	
* 13 Acenaphthene-d10	164	7.361	7.361	-0.001	87	109109	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	0.000	99	1425856	2.50	2.37	
15 Dibenzofuran	168	7.561	7.561	0.000	70	2102902	2.50	2.28	
16 Diethyl phthalate	149	7.785	7.777	0.008	96	4450224	10.0	8.97	
17 Fluorene	166	7.885	7.877	0.008	98	1610950	2.50	2.42	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	857938	2.50	2.20	
19 Hexachlorobenzene	284	8.402	8.402	0.000	90	484934	2.50	2.24	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	180318	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	2224209	2.50	2.33	
22 Anthracene	178	8.842	8.843	-0.001	99	2161687	2.50	2.40	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	6565565	10.0	9.82	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	99	1705697	2.50	2.34	
25 Fluoranthene	202	9.926	9.926	0.000	98	2163748	2.50	2.37	
26 Pyrene	202	10.139	10.139	0.000	97	2242583	2.50	2.20	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	2866869	10.0	10.9	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	81	1834512	2.50	2.51	
* 29 Chrysene-d12	240	11.429	11.429	0.000	35	126470	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	1957254	2.50	2.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	3863131	10.0	11.4	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	6452179	10.0	10.3	
33 Benzo[b]fluoranthene	252	12.832	12.833	-0.001	99	1835312	2.50	2.37	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	99	2036413	2.50	2.04	
35 Benzo[e]pyrene	252	13.224	13.216	0.008	99	1826108	2.50	2.16	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	99	1304845	2.50	2.31	
37 Benzo[a]pyrene	252	13.300	13.293	0.007	99	1852479	2.50	2.25	
* 38 Perylene-d12	264	13.377	13.377	0.000	99	149367	0.2500	0.2500	
39 Perylene	252	13.415	13.415	0.000	99	1870363	2.50	2.10	
40 Indeno[1,2,3-cd]pyrene	276	14.995	14.995	0.000	98	1418447	2.50	2.57	
41 Dibenz(a,h)anthracene	278	15.051	15.044	0.007	98	1624951	2.50	2.50	
42 Benzo[g,h,i]perylene	276	15.454	15.447	0.007	100	1822501	2.50	2.33	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_6_00014 Amount Added: 1.00 Units: mL

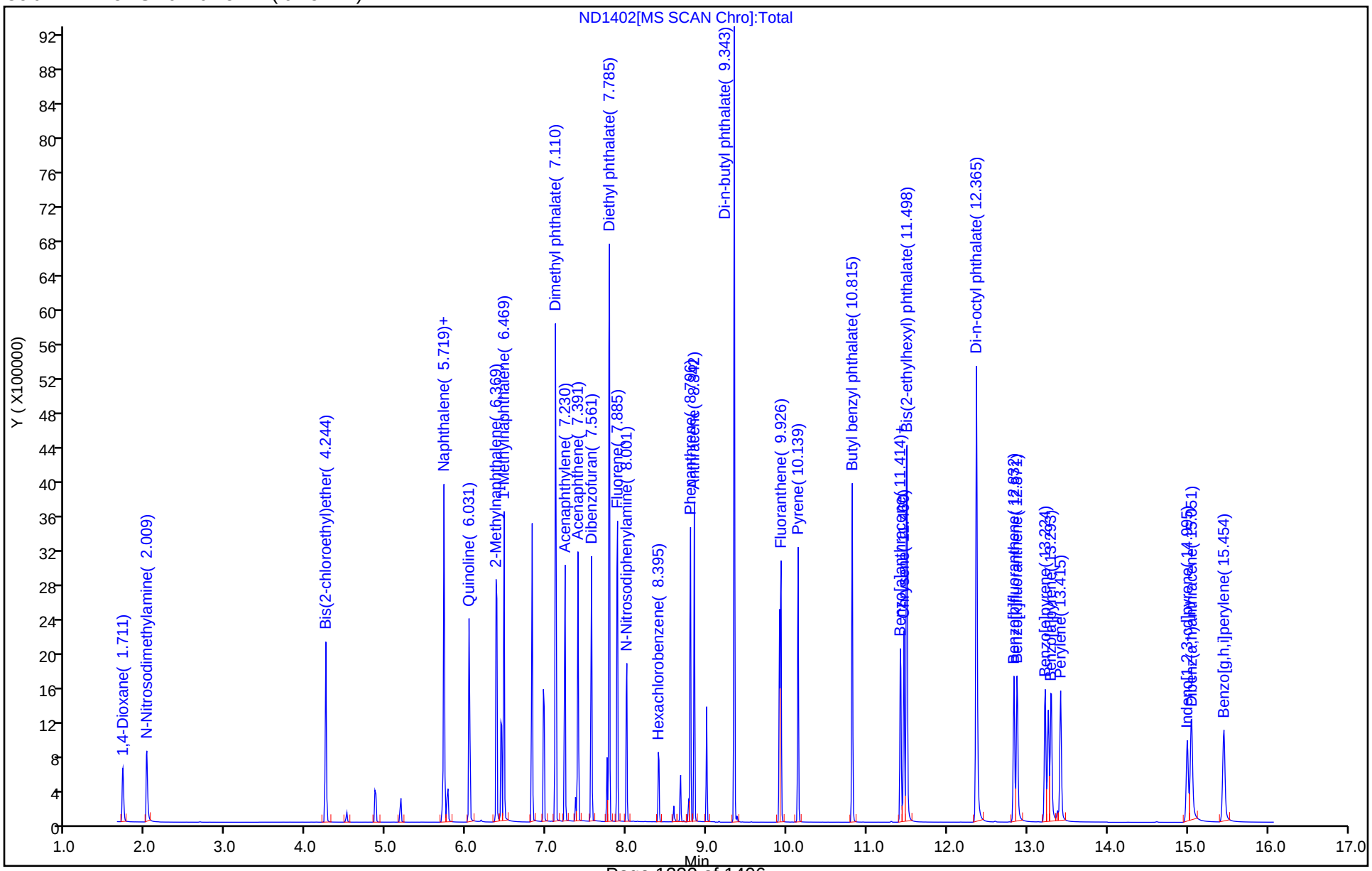
Report Date: 29-Apr-2022 18:27:12 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1402.D

Injection Date:	29-Apr-2022 15:37:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1403.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 29-Apr-2022 15:59:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0056077-004
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:14 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:27:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.716	1.716	0.000	95	197311	1.00	0.9315	
2 N-Nitrosodimethylamine	74	2.018	2.018	0.000	87	239837	1.00	1.02	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	96	487037	1.00	0.9839	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	76269	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	257491	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	1209249	1.00	0.9375	
7 Quinoline	129	6.031	6.031	0.000	91	702759	1.00	0.9601	
8 2-Methylnaphthalene	142	6.369	6.369	0.000	96	723216	1.00	0.9336	
$ 9 1-Methylnaphthalene-d10	152	6.429	6.429	0.000	98	533020	1.00	0.9496	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	97	668095	1.00	0.9495	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	2399602	5.00	4.72	
12 Acenaphthylene	152	7.230	7.230	0.000	94	979568	1.00	0.9375	
* 13 Acenaphthene-d10	164	7.360	7.361	-0.001	89	113324	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	-0.001	98	602123	1.00	0.9654	
15 Dibenzofuran	168	7.561	7.561	0.000	68	921438	1.00	0.9609	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	2439489	5.00	4.74	
17 Fluorene	166	7.877	7.877	0.000	98	694170	1.00	1.00	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	95	373833	1.00	0.9500	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	205148	1.00	0.9401	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	182146	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	938338	1.00	0.9738	
22 Anthracene	178	8.842	8.843	-0.001	100	907594	1.00	1.00	
23 Di-n-butyl phthalate	149	9.343	9.343	0.000	100	3483118	5.00	5.16	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	98	716009	1.00	0.9708	
25 Fluoranthene	202	9.920	9.926	-0.006	100	890712	1.00	0.9669	
26 Pyrene	202	10.139	10.139	0.000	96	940635	1.00	0.9518	
27 Butyl benzyl phthalate	149	10.815	10.815	0.000	100	1466213	5.00	5.78	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	98	721642	1.00	1.02	
* 29 Chrysene-d12	240	11.429	11.429	0.000	81	122419	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	810497	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	1951961	5.00	5.94	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	3201758	5.00	5.67	
33 Benzo[b]fluoranthene	252	12.825	12.833	-0.008	100	692921	1.00	1.00	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	874512	1.00	0.9760	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	736502	1.00	0.9697	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.262	13.262	0.000	97	519617	1.00	1.02	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	732761	1.00	0.99	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	134197	0.2500	0.2500	
39 Perylene	252	13.408	13.415	-0.007	100	757021	1.00	0.9472	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.995	-0.007	98	516944	1.00	1.04	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	630501	1.00	1.08	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	99	720990	1.00	1.03	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_5_00016 Amount Added: 1.00 Units: mL

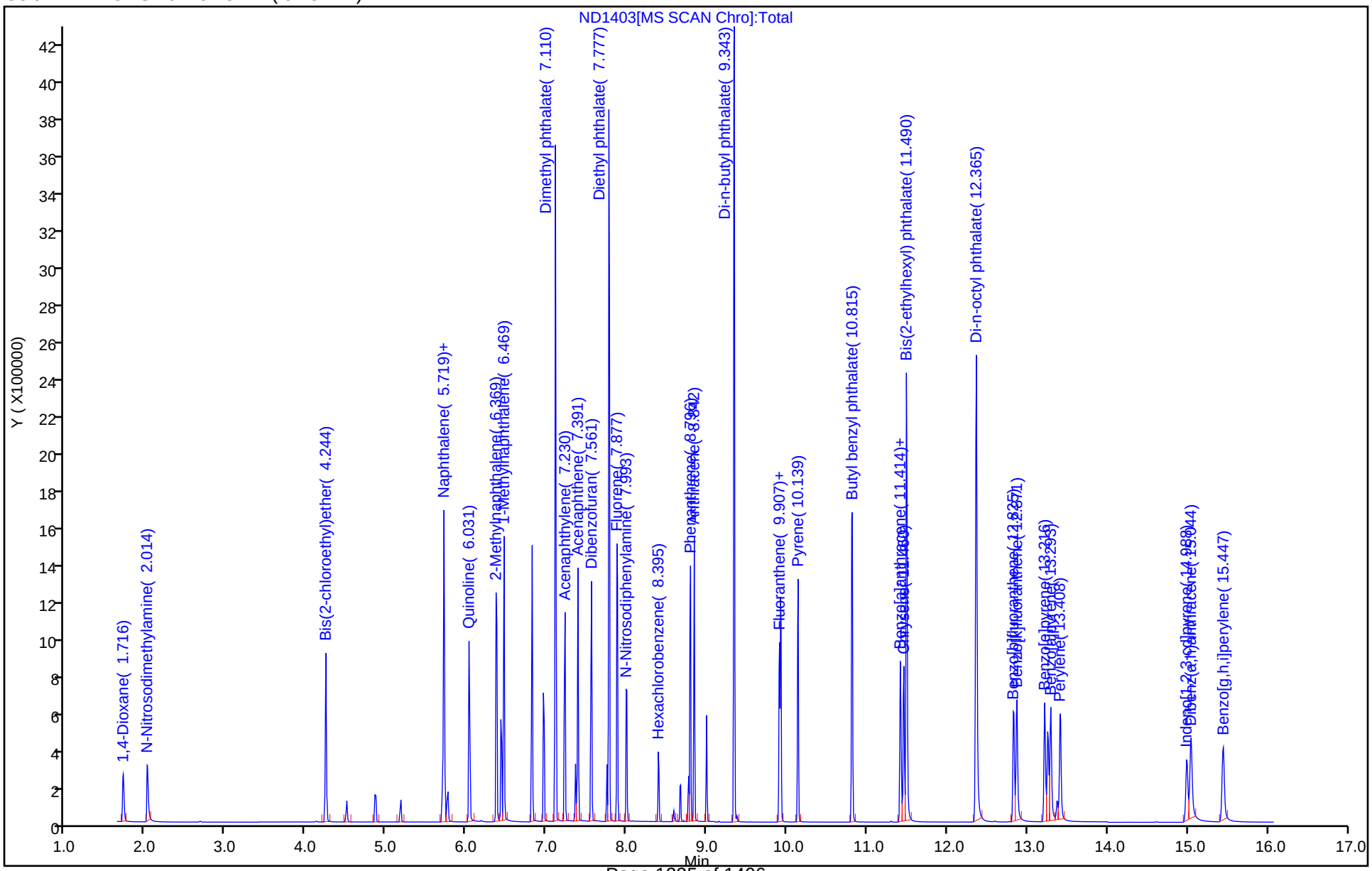
Report Date: 29-Apr-2022 18:27:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1403.D

Injection Date:	29-Apr-2022 15:59:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1404.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 29-Apr-2022 16:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0056077-005
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:17 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:28:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.729	1.716	0.013	97	22165	0.1000	0.0960	
2 N-Nitrosodimethylamine	74	2.035	2.018	0.017	83	24578	0.1000	0.0960	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	98	54033	0.1000	0.1018	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	98	83111	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	276177	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	138467	0.1000	0.1001	
7 Quinoline	129	6.044	6.031	0.013	95	79132	0.1000	0.1008	
8 2-Methylnaphthalene	142	6.379	6.369	0.010	96	83629	0.1000	0.1007	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.429	0.010	98	60431	0.1000	0.1004	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	98	77400	0.1000	0.1026	
11 Dimethyl phthalate	163	7.110	7.110	0.000	98	558189	1.00	1.01	
12 Acenaphthylene	152	7.230	7.230	0.000	95	118276	0.1000	0.1040	
* 13 Acenaphthene-d10	164	7.360	7.361	-0.001	89	123313	0.2500	0.2500	
14 Acenaphthene	154	7.391	7.391	-0.001	96	68709	0.1000	0.1012	
15 Dibenzofuran	168	7.561	7.561	0.000	68	108101	0.1000	0.1036	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	558880	1.00	1.00	
17 Fluorene	166	7.877	7.877	0.000	96	74972	0.1000	0.0996	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	96	45104	0.1000	0.1032	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	24995	0.1000	0.1031	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	202324	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	99	106442	0.1000	0.0995	
22 Anthracene	178	8.842	8.843	-0.001	100	99400	0.1000	0.0985	
23 Di-n-butyl phthalate	149	9.337	9.343	-0.006	100	732840	1.00	0.9771	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.908	-0.001	97	83507	0.1000	0.1019	
25 Fluoranthene	202	9.920	9.926	-0.006	100	103224	0.1000	0.1009	
26 Pyrene	202	10.139	10.139	0.000	96	105490	0.1000	0.0998	
27 Butyl benzyl phthalate	149	10.808	10.815	-0.007	100	254980	1.00	0.9400	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	100	72172	0.1000	0.0955	
* 29 Chrysene-d12	240	11.429	11.429	0.000	86	130933	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	86250	0.1000	0.1002	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	331021	1.00	0.9411	
32 Di-n-octyl phthalate	149	12.365	12.365	0.000	100	492530	1.00	0.9728	
33 Benzo[b]fluoranthene	252	12.832	12.833	-0.001	100	63241	0.1000	0.1014	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	100	86886	0.1000	0.1081	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	71632	0.1000	0.1051	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.254	13.262	-0.008	99	46536	0.1000	0.1023	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	68552	0.1000	0.1035	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	120414	0.2500	0.2500	
39 Perylene	252	13.408	13.415	-0.007	100	77618	0.1000	0.1082	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.995	-0.007	97	42287	0.1000	0.0950	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	97	52603	0.1000	0.1005	
42 Benzo[g,h,i]perylene	276	15.447	15.447	0.000	98	64929	0.1000	0.1029	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_3_00015 Amount Added: 1.00 Units: mL

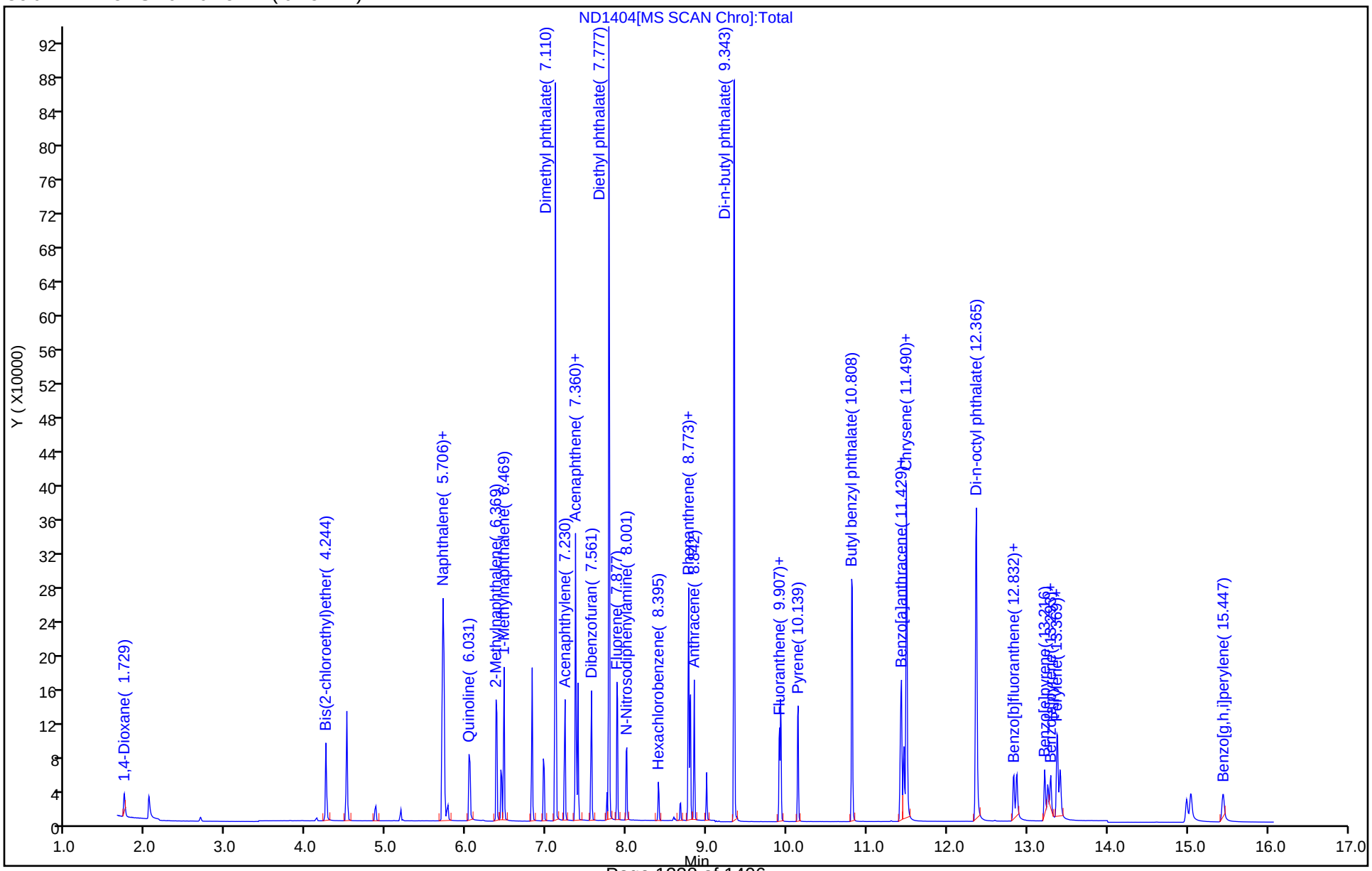
Report Date: 29-Apr-2022 18:27:18 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1404.D

Injection Date:	29-Apr-2022 16:20:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L3			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1405.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Apr-2022 16:42:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0056077-006
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:20 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:28:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.729	1.716	0.013	97	11598	0.0500	0.0499	
2 N-Nitrosodimethylamine	74	2.040	2.018	0.022	85	11805	0.0500	0.0458	
3 Bis(2-chloroethyl)ether	93	4.244	4.244	0.000	99	27184	0.0500	0.0525	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	99	83654	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	269208	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	71834	0.0500	0.0533	
7 Quinoline	129	6.044	6.031	0.013	97	39689	0.0500	0.0519	
8 2-Methylnaphthalene	142	6.377	6.369	0.008	97	42912	0.0500	0.0530	
$ 9 1-Methylnaphthalene-d10	152	6.437	6.429	0.008	98	30850	0.0500	0.0526	
10 1-Methylnaphthalene	142	6.467	6.469	-0.002	97	39012	0.0500	0.0530	
11 Dimethyl phthalate	163	7.108	7.110	-0.002	99	286965	0.5000	0.5234	
12 Acenaphthylene	152	7.228	7.230	-0.002	98	59891	0.0500	0.0531	
* 13 Acenaphthene-d10	164	7.368	7.361	0.007	92	122295	0.2500	0.2500	
14 Acenaphthene	154	7.388	7.391	-0.003	95	33927	0.0500	0.0504	
15 Dibenzofuran	168	7.558	7.561	-0.003	74	54310	0.0500	0.0525	
16 Diethyl phthalate	149	7.782	7.777	0.005	97	291473	0.5000	0.5244	
17 Fluorene	166	7.882	7.877	0.005	100	37691	0.0500	0.0505	
18 N-Nitrosodiphenylamine	169	7.998	8.001	-0.003	99	22394	0.0500	0.0520	
19 Hexachlorobenzene	284	8.400	8.402	-0.002	91	12094	0.0500	0.0507	
* 20 Phenanthrene-d10	188	8.771	8.773	-0.002	100	199202	0.2500	0.2500	
21 Phenanthrene	178	8.794	8.796	-0.002	100	53793	0.0500	0.0510	
22 Anthracene	178	8.840	8.843	-0.003	100	49720	0.0500	0.0500	
23 Di-n-butyl phthalate	149	9.341	9.343	-0.002	100	359305	0.5000	0.4866	
$ 24 Fluoranthene-d10 (Surr)	212	9.905	9.908	-0.003	99	41124	0.0500	0.0510	
25 Fluoranthene	202	9.924	9.926	-0.002	98	50900	0.0500	0.0505	
26 Pyrene	202	10.137	10.139	-0.002	98	54315	0.0500	0.0521	
27 Butyl benzyl phthalate	149	10.813	10.815	-0.002	100	113905	0.5000	0.4260	
28 Benzo[a]anthracene	228	11.411	11.414	-0.003	76	34790	0.0500	0.0467	
* 29 Chrysene-d12	240	11.426	11.429	-0.003	84	129059	0.2500	0.2500	
30 Chrysene	228	11.457	11.460	-0.003	100	43656	0.0500	0.0515	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.488	11.490	-0.002	99	142548	0.5000	0.4112	
32 Di-n-octyl phthalate	149	12.362	12.365	-0.003	100	205647	0.5000	0.4260	
33 Benzo[b]fluoranthene	252	12.830	12.833	-0.003	100	28522	0.0500	0.0480	
34 Benzo[k]fluoranthene	252	12.868	12.871	-0.003	100	39856	0.0500	0.0520	
35 Benzo[e]pyrene	252	13.213	13.216	-0.003	100	32534	0.0500	0.0501	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.260	13.262	-0.002	97	21299	0.0500	0.0491	
37 Benzo[a]pyrene	252	13.290	13.293	-0.003	100	31726	0.0500	0.0502	
* 38 Perylene-d12	264	13.375	13.377	-0.002	97	114821	0.2500	0.2500	
39 Perylene	252	13.413	13.415	-0.002	100	34820	0.0500	0.0509	
40 Indeno[1,2,3-cd]pyrene	276	14.986	14.995	-0.009	98	19244	0.0500	0.0454	
41 Dibenz(a,h)anthracene	278	15.042	15.044	-0.002	97	21478	0.0500	0.0430	
42 Benzo[g,h,i]perylene	276	15.445	15.447	-0.002	99	29040	0.0500	0.0483	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_2_00017 Amount Added: 1.00 Units: mL

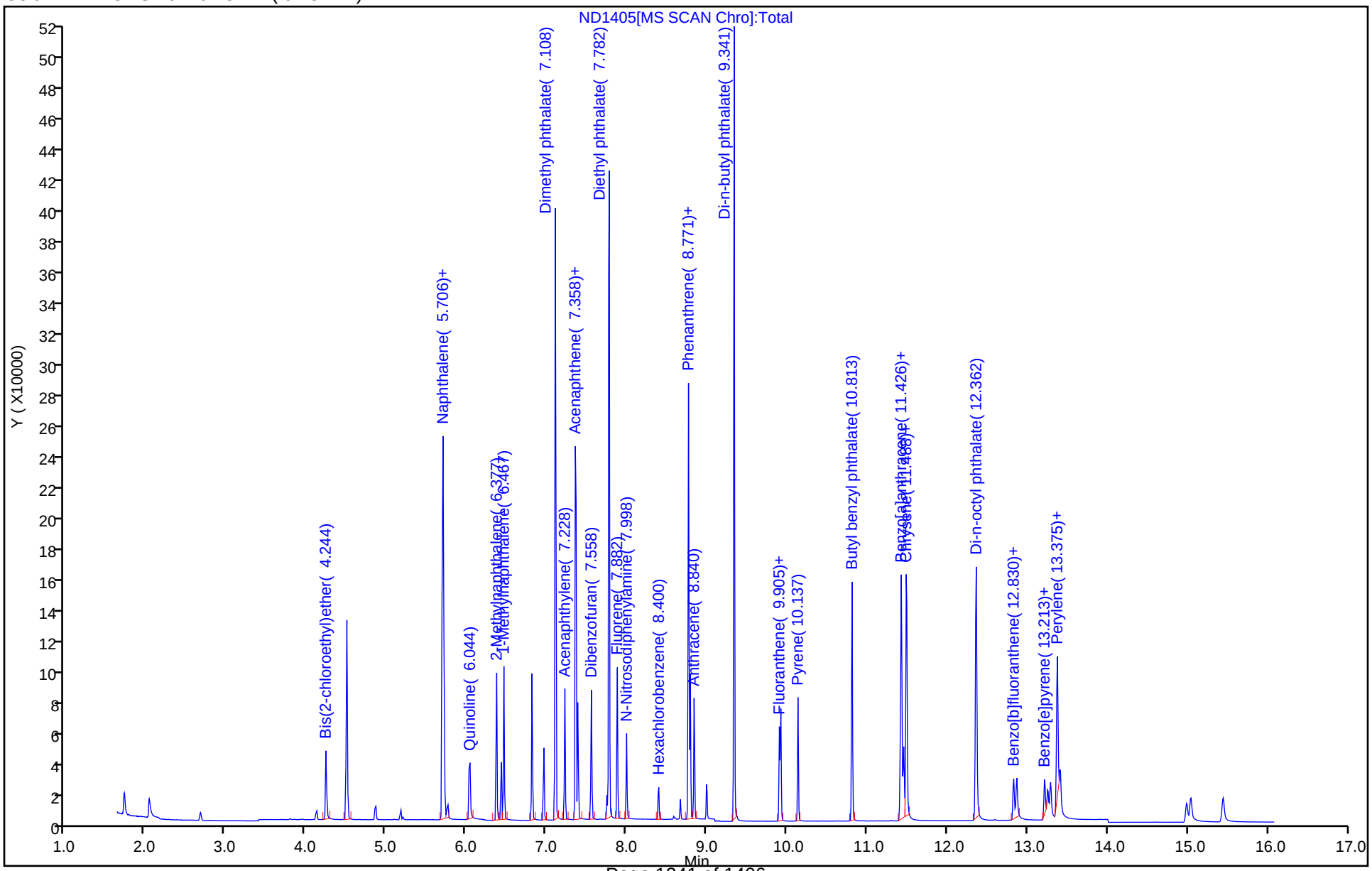
Report Date: 29-Apr-2022 18:27:20 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1405.D

Injection Date:	29-Apr-2022 16:42:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Apr-2022 17:03:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0056077-007
Operator ID: whs02991 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:23 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 17:30:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.733	1.733	0.000	99	2596	0.0100	0.0115	M
2 N-Nitrosodimethylamine	74	2.057	2.057	0.000	83	2277	0.0100	0.009126	M
3 Bis(2-chloroethyl)ether	93	4.257	4.257	0.000	90	4307	0.0100	0.008493	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	98	81001	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	263807	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	99	13615	0.0100	0.0103	
7 Quinoline	129	6.044	6.044	0.000	99	7363	0.0100	0.009818	
8 2-Methylnaphthalene	142	6.379	6.379	0.000	96	8156	0.0100	0.0103	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.439	0.000	98	5957	0.0100	0.0104	
10 1-Methylnaphthalene	142	6.469	6.469	0.000	100	7307	0.0100	0.0101	
11 Dimethyl phthalate	163	7.110	7.110	0.000	100	150269	0.2500	0.2776	
12 Acenaphthylene	152	7.230	7.230	0.000	98	10898	0.0100	0.009790	
* 13 Acenaphthene-d10	164	7.360	7.360	0.000	89	120729	0.2500	0.2500	
14 Acenaphthene	154	7.390	7.390	0.000	67	6557	0.0100	0.009868	
15 Dibenzofuran	168	7.561	7.561	0.000	71	10034	0.0100	0.009822	
16 Diethyl phthalate	149	7.777	7.777	0.000	99	152343	0.2500	0.2777	
17 Fluorene	166	7.885	7.885	0.000	99	7073	0.0100	0.009593	
18 N-Nitrosodiphenylamine	169	8.001	8.001	0.000	98	4015	0.0100	0.009587	
19 Hexachlorobenzene	284	8.402	8.402	0.000	87	2436	0.0100	0.0105	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	193847	0.2500	0.2500	
21 Phenanthrene	178	8.796	8.796	0.000	100	10250	0.0100	0.0100	
22 Anthracene	178	8.842	8.842	0.000	100	9374	0.0100	0.009695	
23 Di-n-butyl phthalate	149	9.337	9.337	0.000	100	169026	0.2500	0.2352	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.907	0.000	98	7729	0.0100	0.009847	
25 Fluoranthene	202	9.926	9.926	0.000	94	9579	0.0100	0.009771	
26 Pyrene	202	10.139	10.139	0.000	97	10149	0.0100	0.0104	
27 Butyl benzyl phthalate	149	10.808	10.808	0.000	100	49560	0.2500	0.1979	
28 Benzo[a]anthracene	228	11.414	11.414	0.000	89	6599	0.0100	0.009453	
* 29 Chrysene-d12	240	11.429	11.429	0.000	82	120900	0.2500	0.2500	
30 Chrysene	228	11.460	11.460	0.000	100	7560	0.0100	0.009515	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.490	11.490	0.000	99	60319	0.2500	0.1857	
32 Di-n-octyl phthalate	149	12.357	12.357	0.000	100	89732	0.2500	0.2022	
33 Benzo[b]fluoranthene	252	12.832	12.832	0.000	100	5062	0.0100	0.009263	
34 Benzo[k]fluoranthene	252	12.871	12.871	0.000	99	6559	0.0100	0.009307	
35 Benzo[e]pyrene	252	13.216	13.216	0.000	100	5876	0.0100	0.009836	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.254	13.254	0.000	100	3533	0.0100	0.008859	
37 Benzo[a]pyrene	252	13.293	13.293	0.000	100	5295	0.0100	0.009120	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	105556	0.2500	0.2500	
39 Perylene	252	13.408	13.408	0.000	100	6275	0.0100	0.0100	
40 Indeno[1,2,3-cd]pyrene	276	14.988	14.988	0.000	98	3539	0.0100	0.009072	M
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	97	3792	0.0100	0.008261	M
42 Benzo[g,h,i]perylene	276	15.440	15.440	0.000	99	4874	0.0100	0.008813	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_1_00016 Amount Added: 1.00 Units: mL

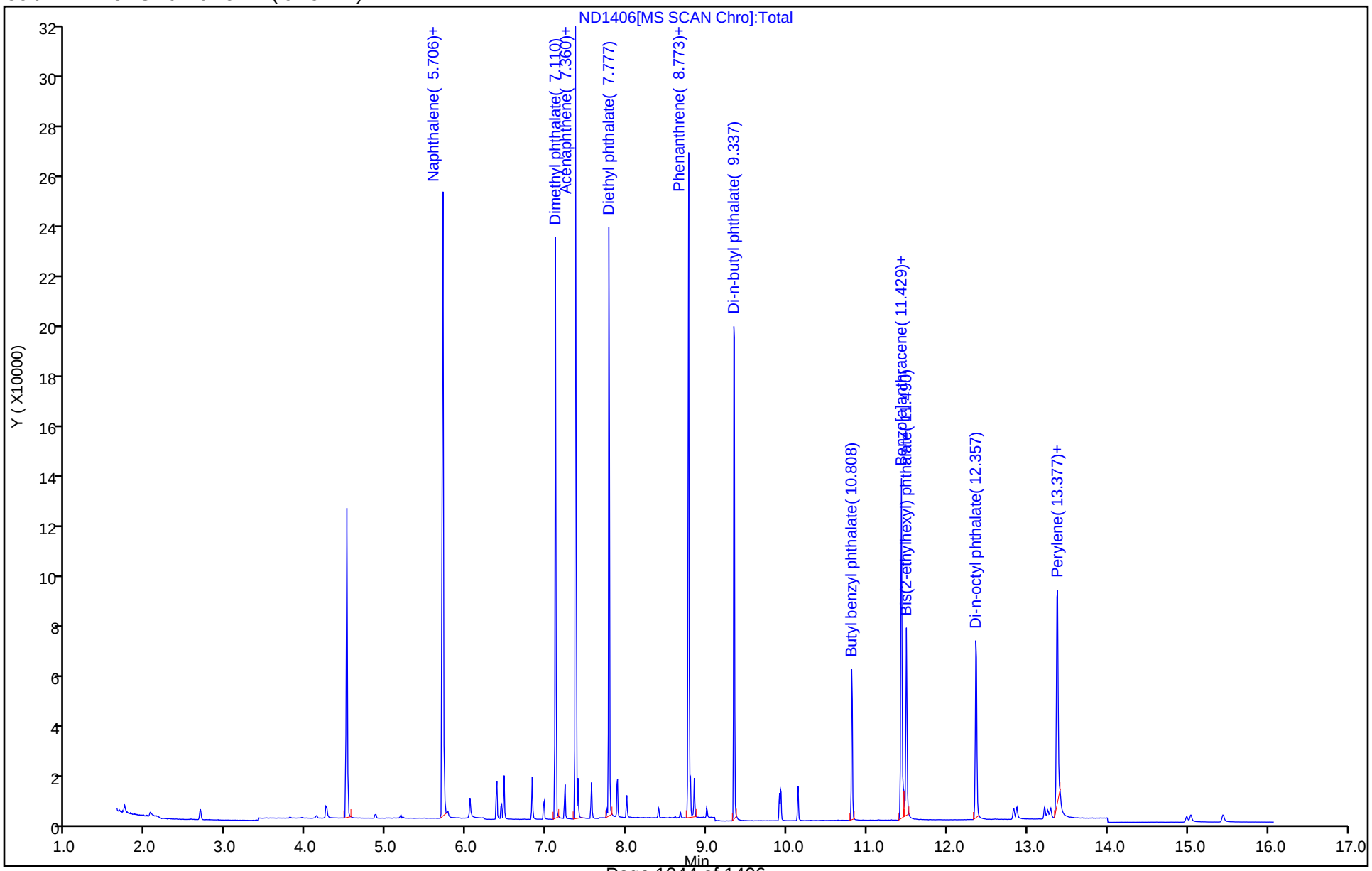
Report Date: 29-Apr-2022 18:27:23 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	IC L1			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

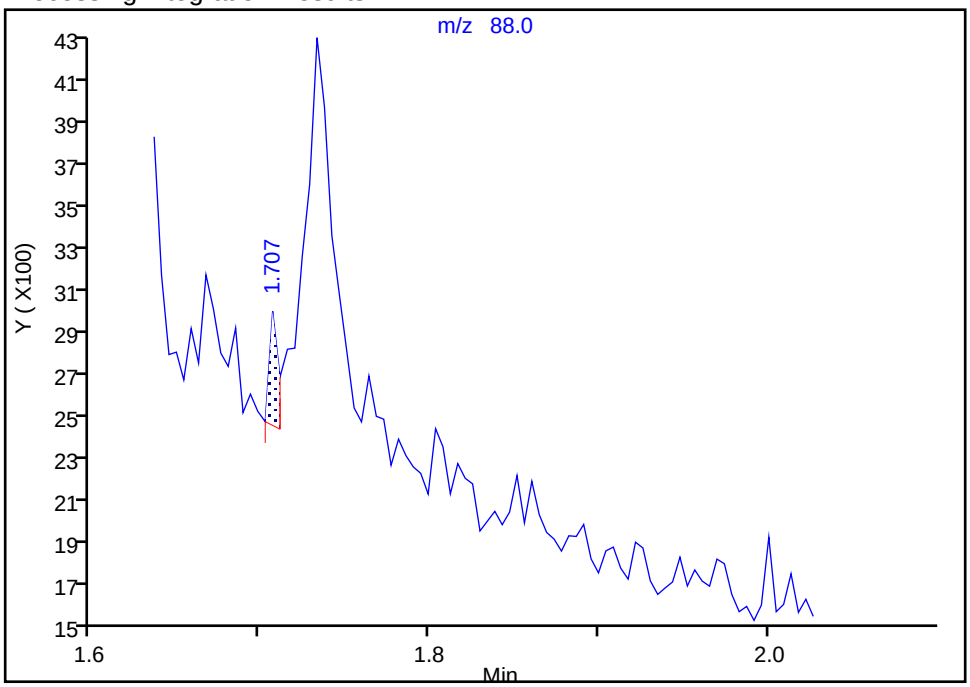
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

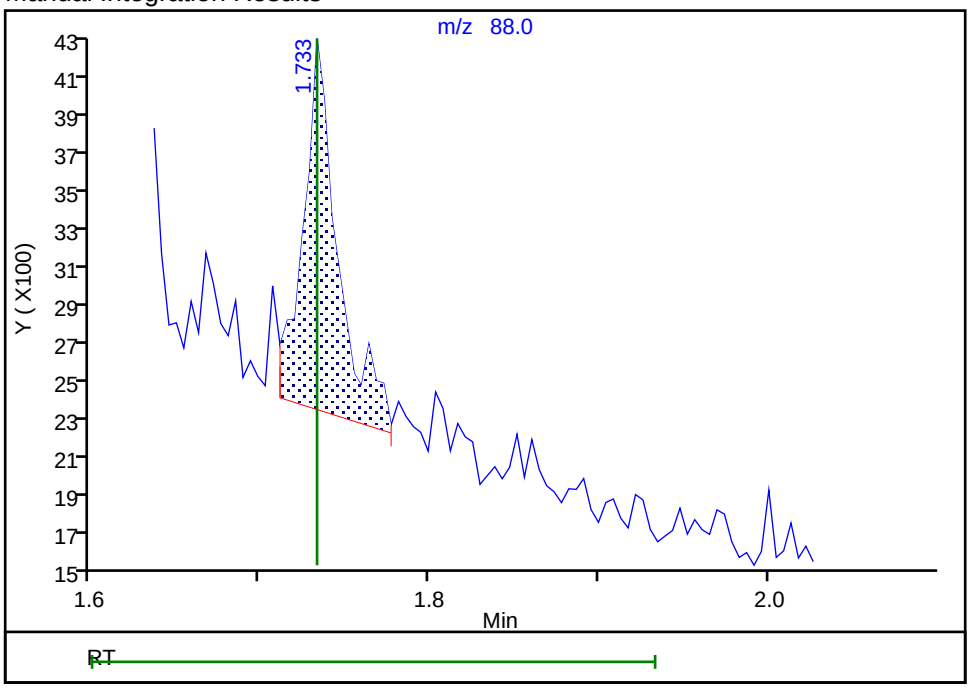
Processing Integration Results

RT: 1.71
Area: 166
Amount: 0.005898
Amount Units: ug/ml



Manual Integration Results

RT: 1.73
Area: 2596
Amount: 0.011540
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:06

Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

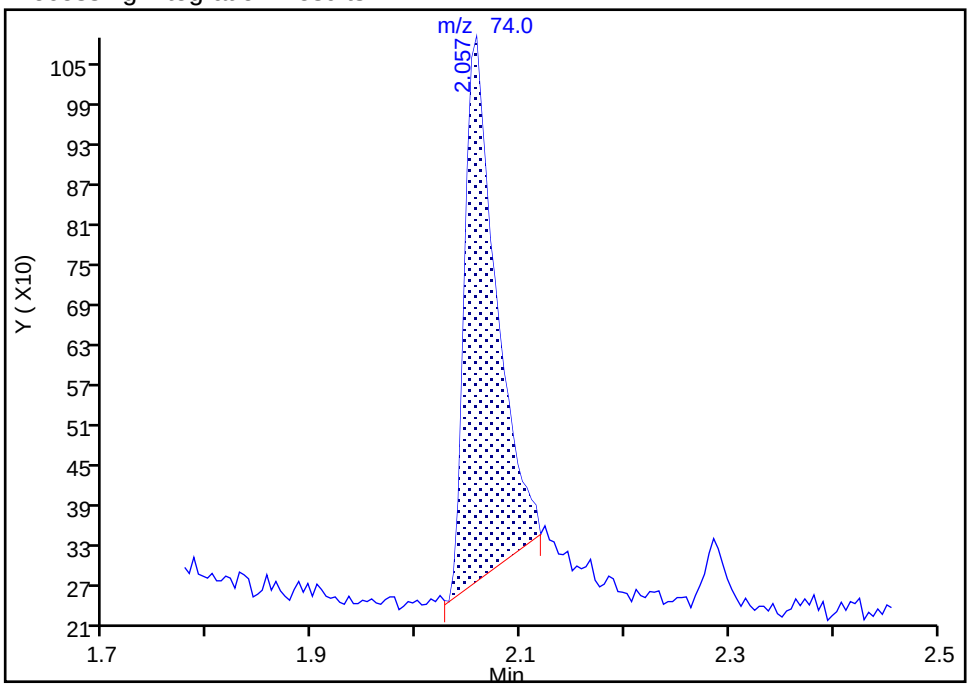
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

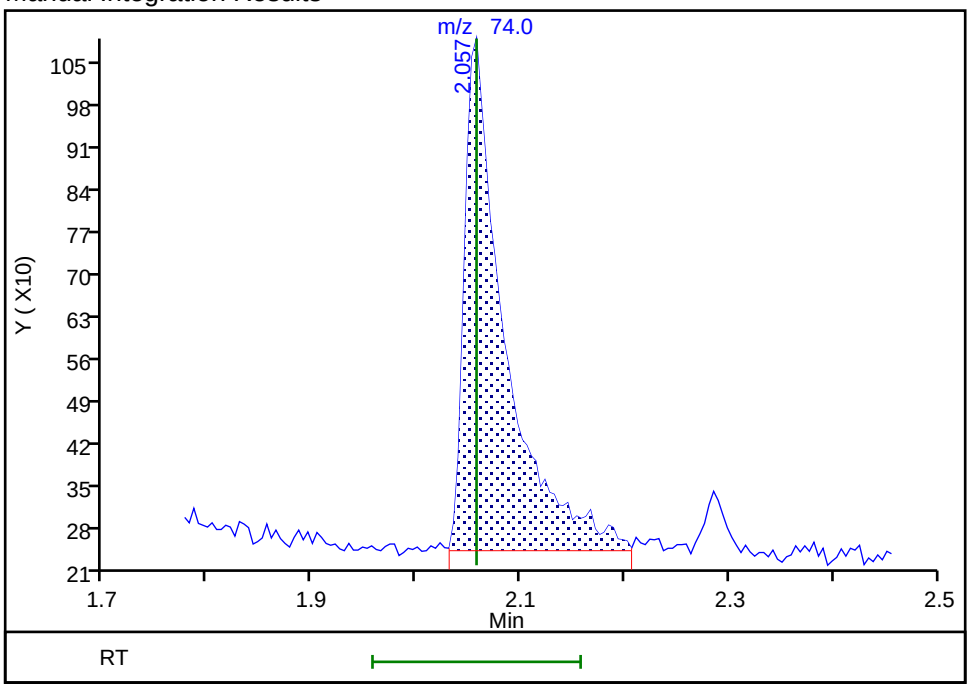
Processing Integration Results

RT: 2.06
Area: 1705
Amount: 0.007105
Amount Units: ug/ml



Manual Integration Results

RT: 2.06
Area: 2277
Amount: 0.009126
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

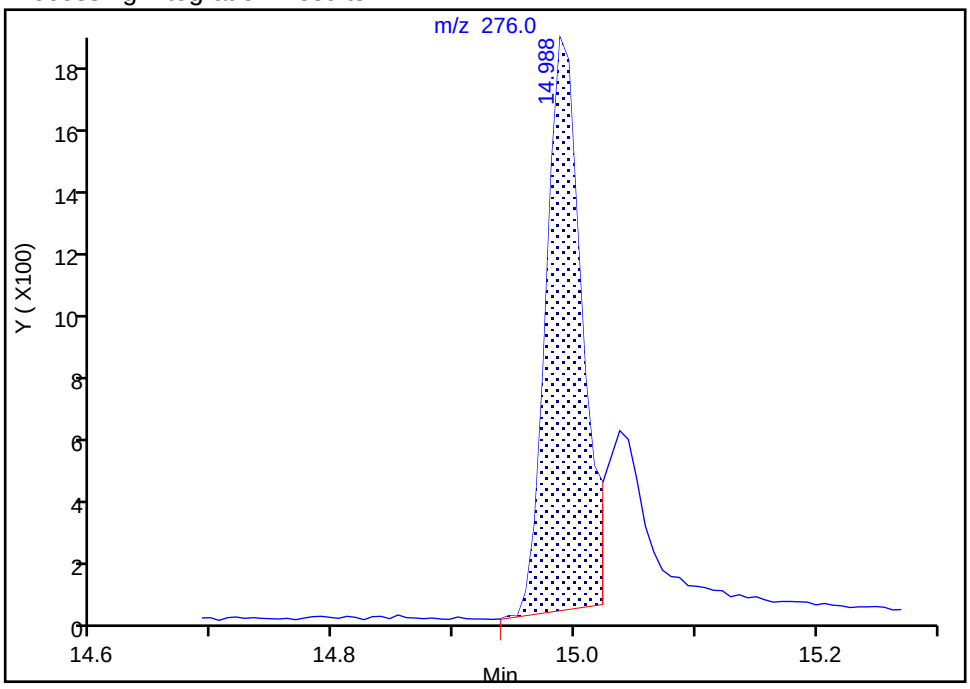
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

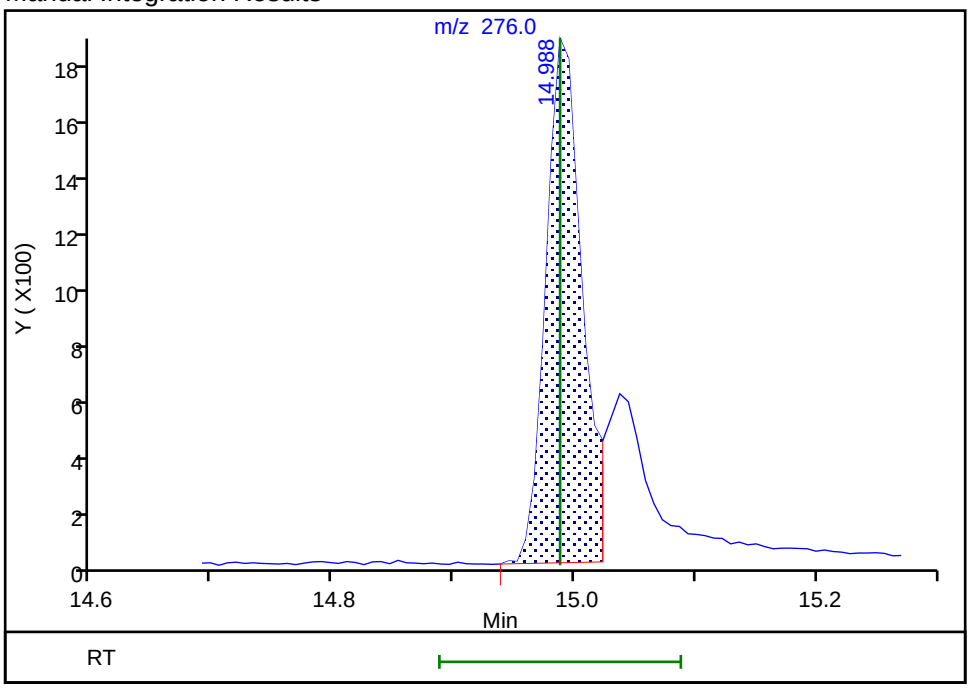
Processing Integration Results

RT: 14.99
Area: 3450
Amount: 0.008878
Amount Units: ug/ml



Manual Integration Results

RT: 14.99
Area: 3539
Amount: 0.009072
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:29:45

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

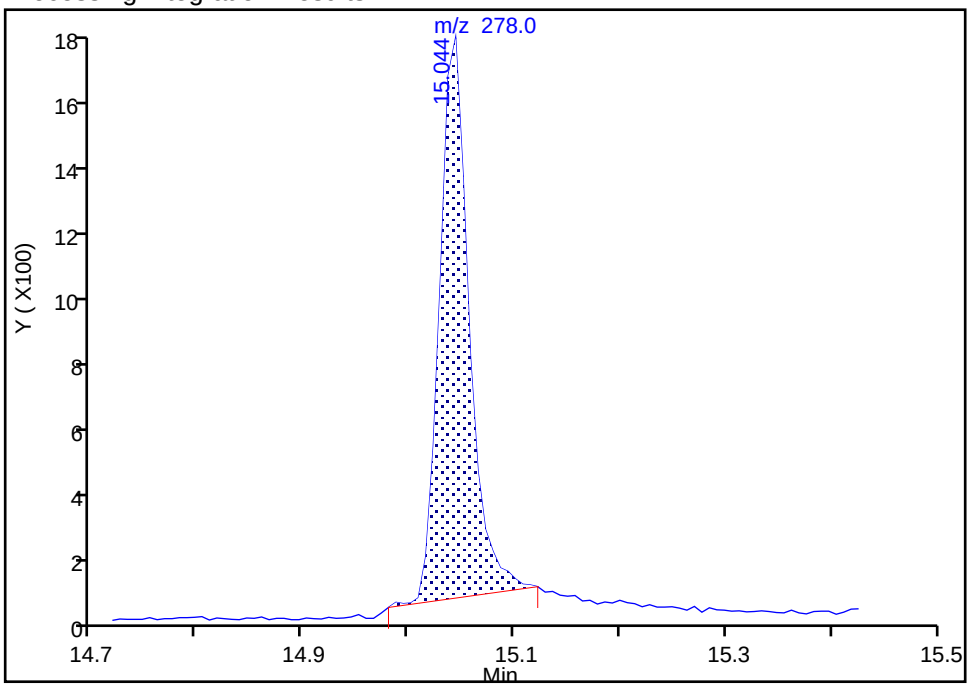
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Injection Date:	29-Apr-2022 17:03:30	Instrument ID:	HP23263		
Lims ID:	IC L1				
Client ID:					
Operator ID:	whs02991	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

41 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

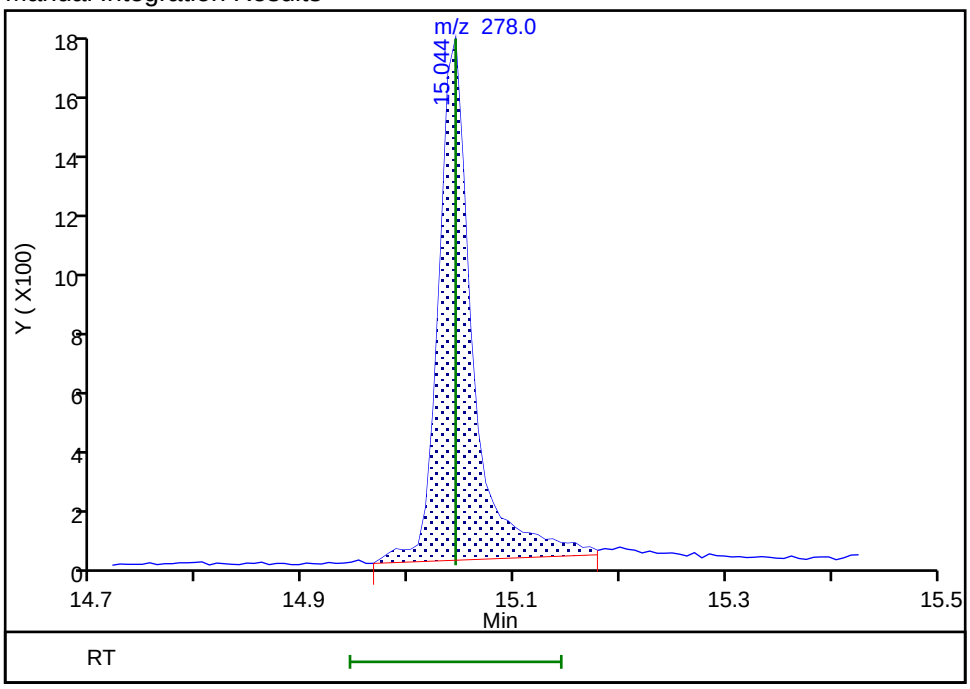
Processing Integration Results

RT: 15.04
Area: 3204
Amount: 0.007132
Amount Units: ug/ml



Manual Integration Results

RT: 15.04
Area: 3792
Amount: 0.008261
Amount Units: ug/ml



Reviewer: saadehw, 29-Apr-2022 17:30:02

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

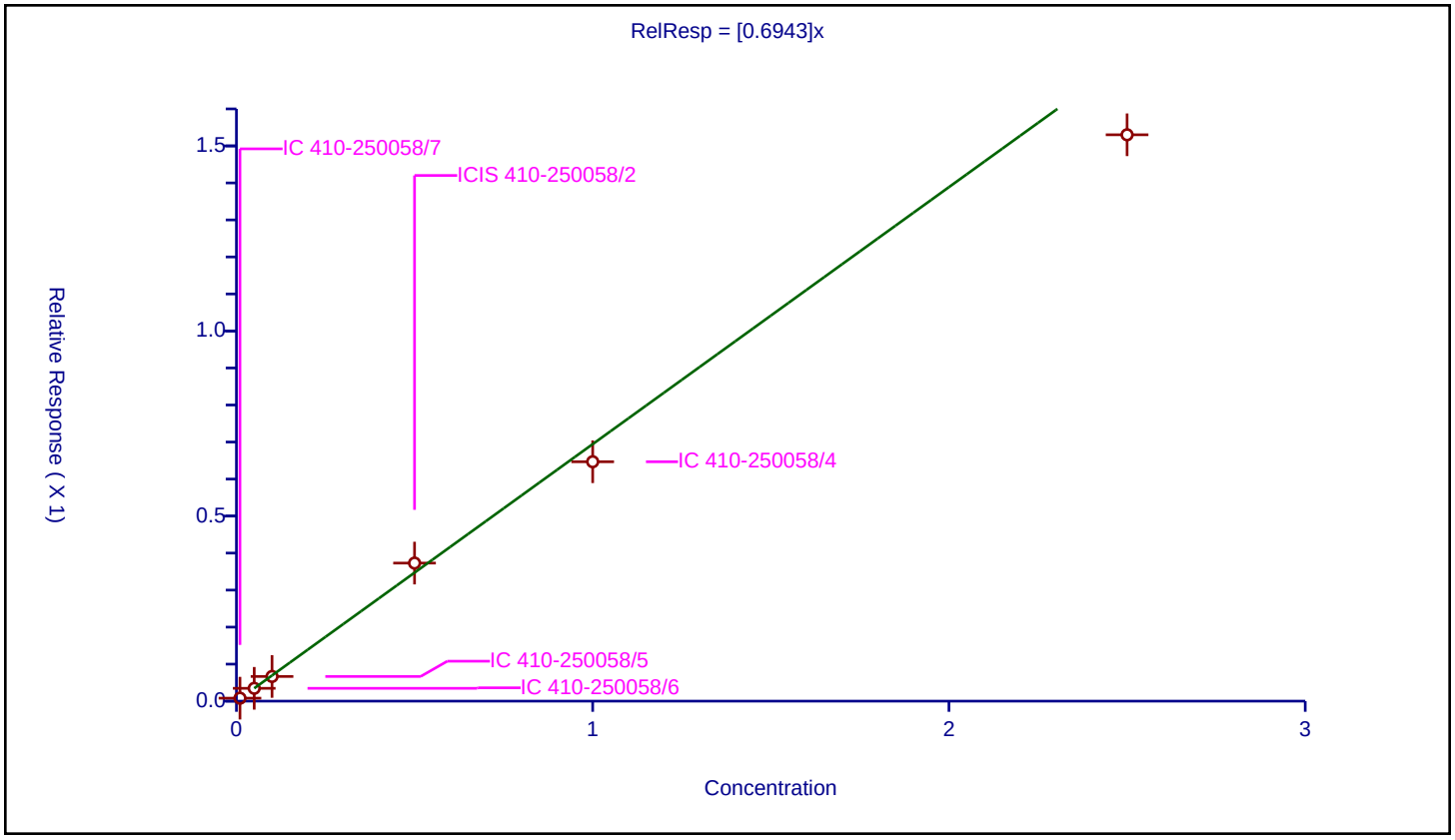
Curve Coefficients

Intercept:	0
Slope:	0.6943

Error Coefficients

Standard Error:	233000
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008012	0.25	81001.0	0.801225	Y
2	IC 410-250058/6	0.05	0.034661	0.25	83654.0	0.693213	Y
3	IC 410-250058/5	0.1	0.066673	0.25	83111.0	0.666729	Y
4	ICIS 410-250058/2	0.5	0.372991	0.25	75428.0	0.745983	Y
5	IC 410-250058/4	1.0	0.64676	0.25	76269.0	0.64676	Y
6	IC 410-250058/3	2.5	1.530051	0.25	76345.0	0.61202	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

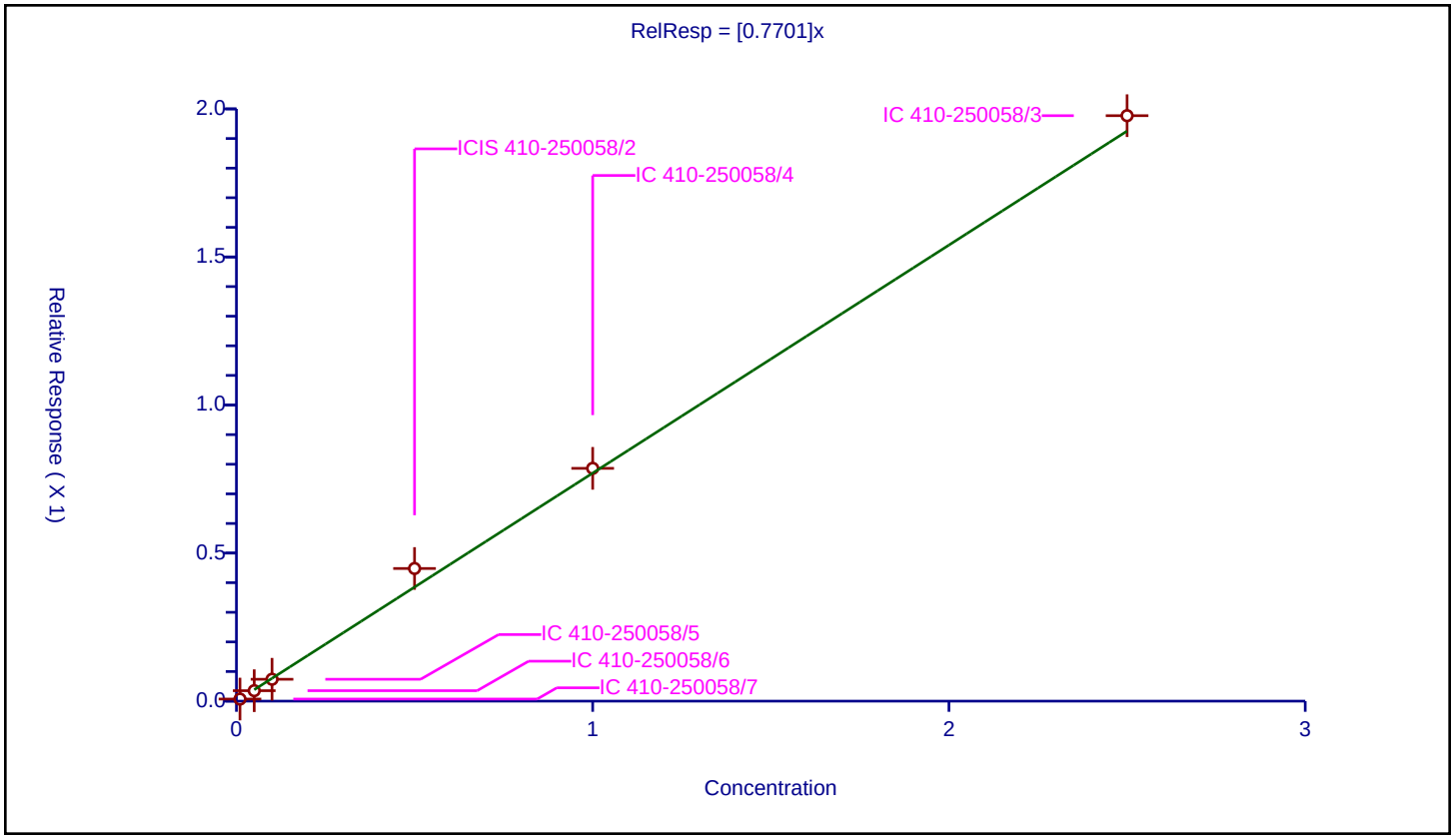
Curve Coefficients

Intercept:	0
Slope:	0.7701

Error Coefficients

Standard Error:	297000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.007028	0.25	81001.0	0.702769	Y
2	IC 410-250058/6	0.05	0.035279	0.25	83654.0	0.705585	Y
3	IC 410-250058/5	0.1	0.073931	0.25	83111.0	0.739312	Y
4	ICIS 410-250058/2	0.5	0.447927	0.25	75428.0	0.895854	Y
5	IC 410-250058/4	1.0	0.786155	0.25	76269.0	0.786155	Y
6	IC 410-250058/3	2.5	1.977074	0.25	76345.0	0.79083	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

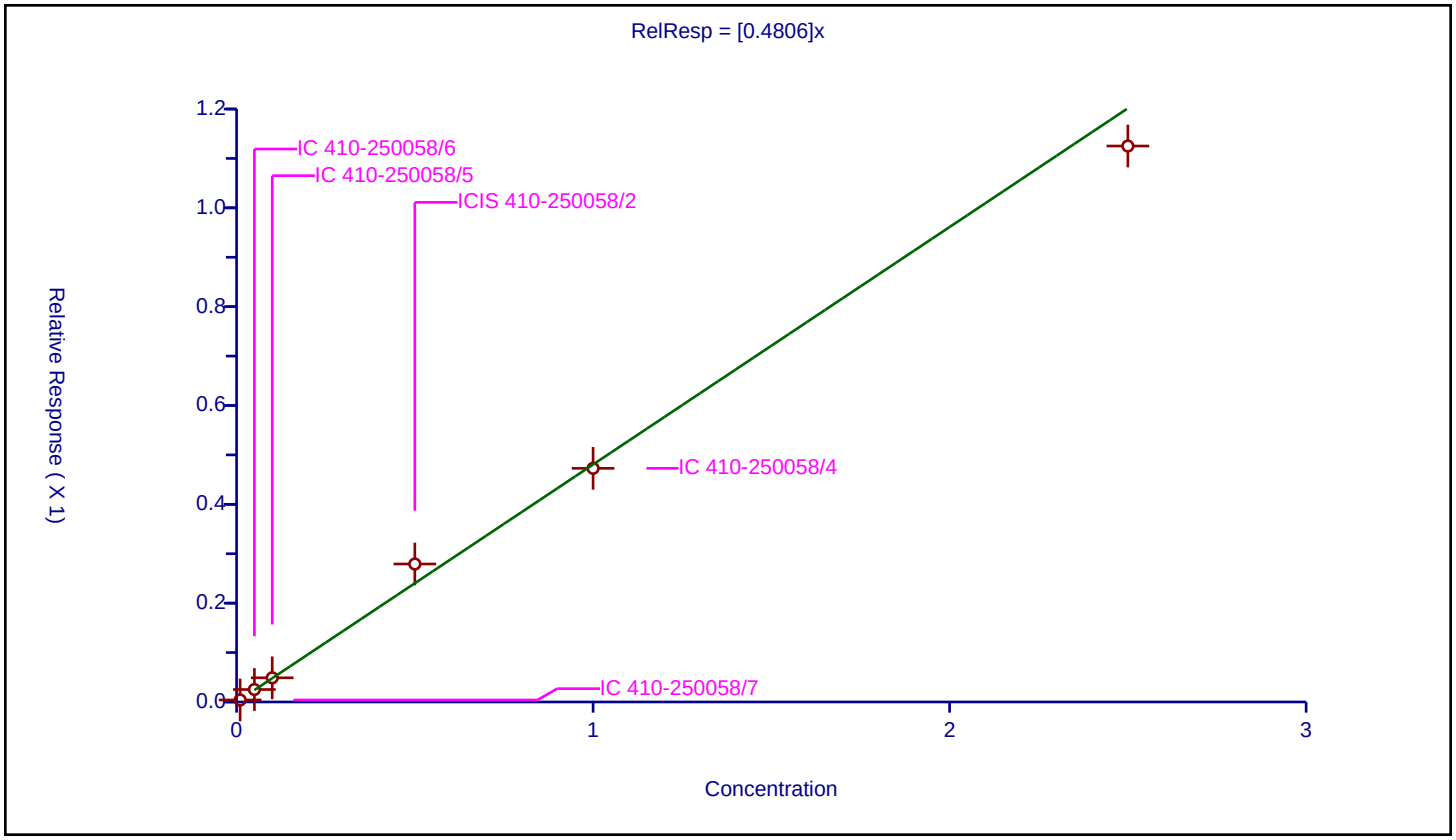
Curve Coefficients

Intercept:	0
Slope:	0.4806

Error Coefficients

Standard Error:	574000
Relative Standard Error:	10.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.004082	0.25	263807.0	0.408158	Y
2	IC 410-250058/6	0.05	0.025244	0.25	269208.0	0.504888	Y
3	IC 410-250058/5	0.1	0.048912	0.25	276177.0	0.489116	Y
4	ICIS 410-250058/2	0.5	0.279232	0.25	246992.0	0.558463	Y
5	IC 410-250058/4	1.0	0.472868	0.25	257491.0	0.472868	Y
6	IC 410-250058/3	2.5	1.125115	0.25	256538.0	0.450046	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

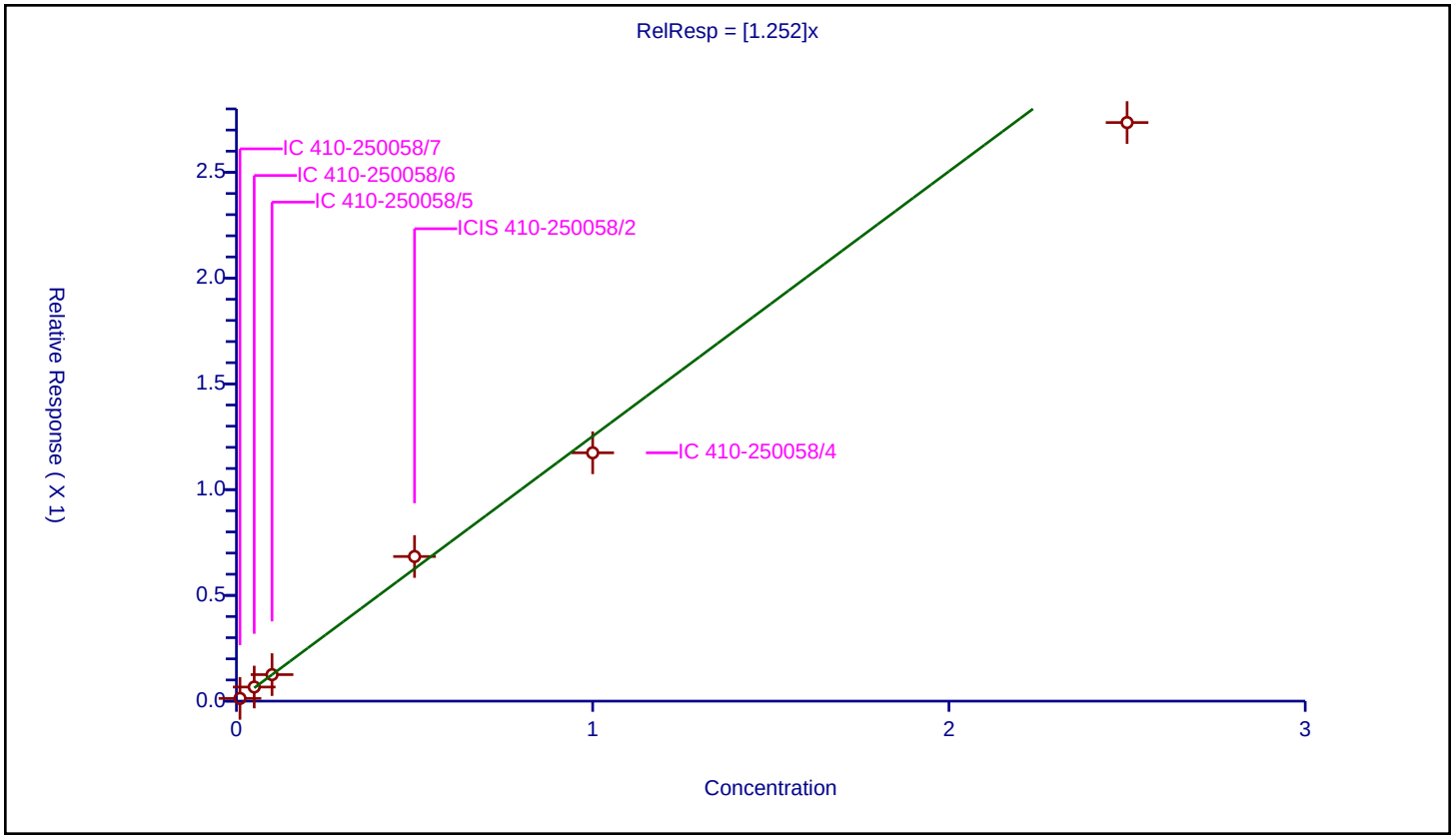
Curve Coefficients

Intercept:	0
Slope:	1.252

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012902	0.25	263807.0	1.290242	Y
2	IC 410-250058/6	0.05	0.066709	0.25	269208.0	1.334173	Y
3	IC 410-250058/5	0.1	0.125343	0.25	276177.0	1.253426	Y
4	ICIS 410-250058/2	0.5	0.683859	0.25	246992.0	1.367718	Y
5	IC 410-250058/4	1.0	1.174069	0.25	257491.0	1.174069	Y
6	IC 410-250058/3	2.5	2.735513	0.25	256538.0	1.094205	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

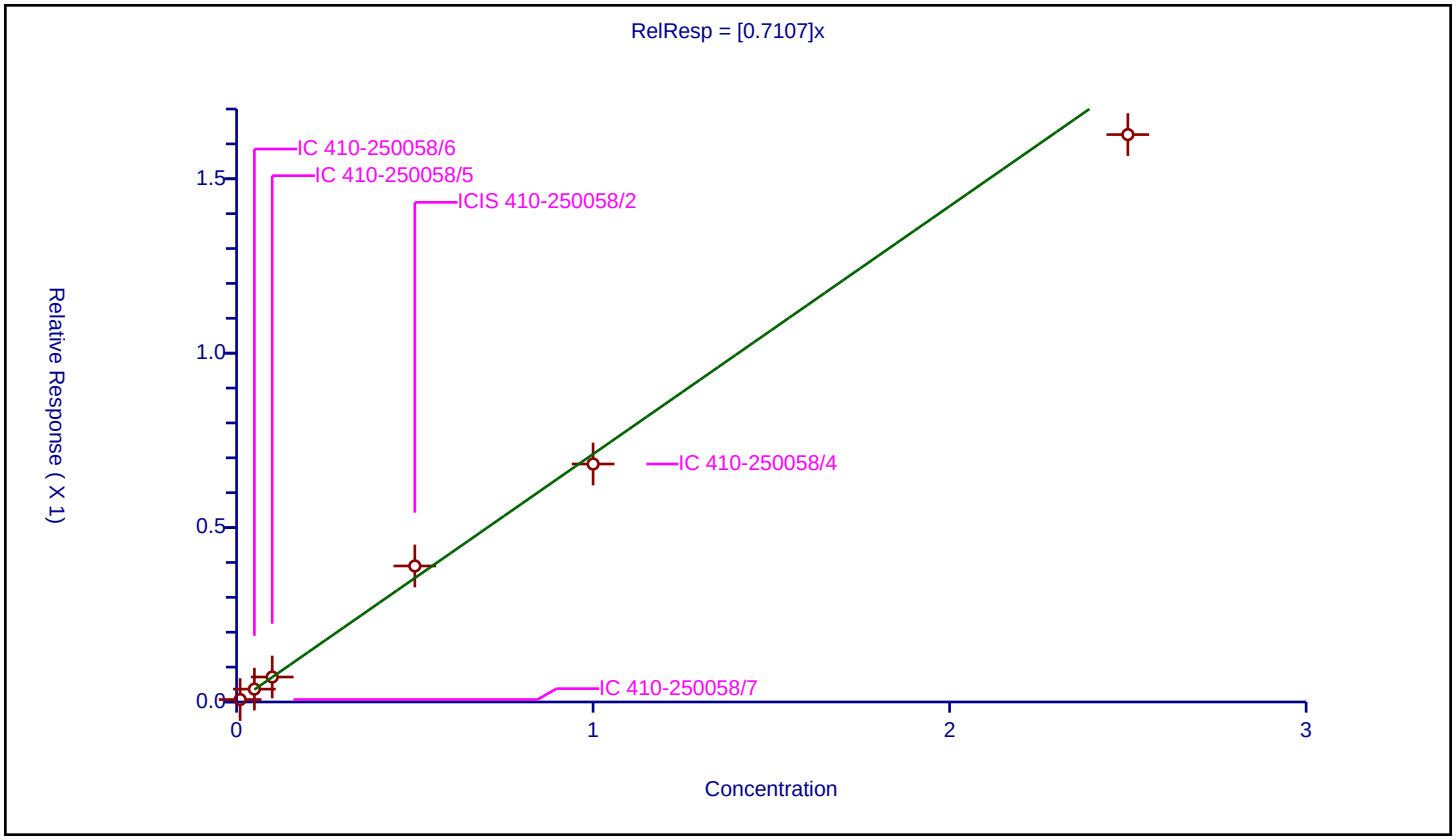
Curve Coefficients

Intercept:	0
Slope:	0.7107

Error Coefficients

Standard Error:	829000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.006978	0.25	263807.0	0.697764	Y
2	IC 410-250058/6	0.05	0.036857	0.25	269208.0	0.737144	Y
3	IC 410-250058/5	0.1	0.071632	0.25	276177.0	0.716316	Y
4	ICIS 410-250058/2	0.5	0.389959	0.25	246992.0	0.779918	Y
5	IC 410-250058/4	1.0	0.682314	0.25	257491.0	0.682314	Y
6	IC 410-250058/3	2.5	1.626663	0.25	256538.0	0.650665	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

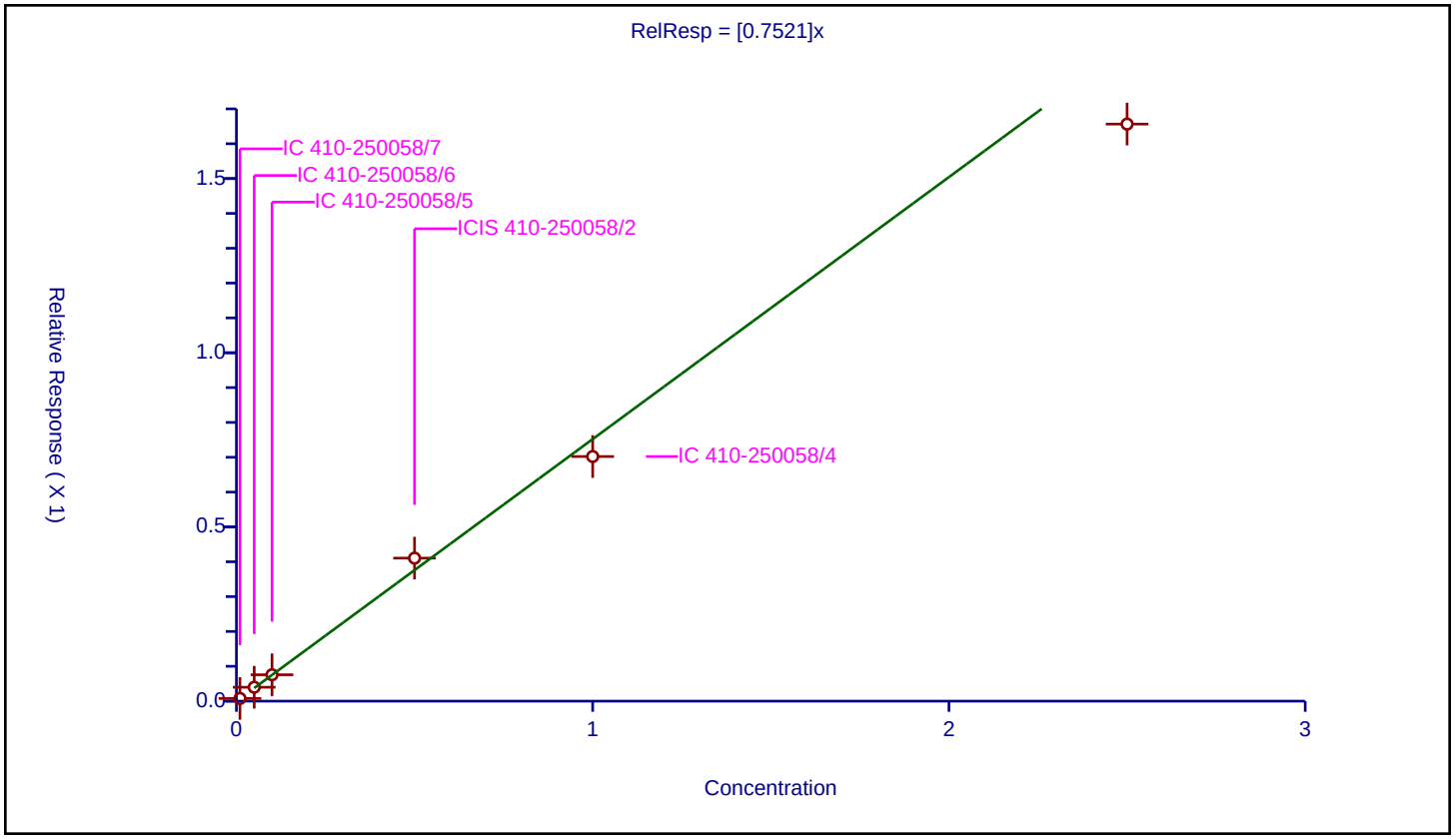
Curve Coefficients

Intercept:	0
Slope:	0.7521

Error Coefficients

Standard Error:	847000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.007729	0.25	263807.0	0.772914	Y
2	IC 410-250058/6	0.05	0.03985	0.25	269208.0	0.797005	Y
3	IC 410-250058/5	0.1	0.075702	0.25	276177.0	0.757024	Y
4	ICIS 410-250058/2	0.5	0.410532	0.25	246992.0	0.821063	Y
5	IC 410-250058/4	1.0	0.702176	0.25	257491.0	0.702176	Y
6	IC 410-250058/3	2.5	1.656374	0.25	256538.0	0.662549	Y



Calibration / 1-Methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

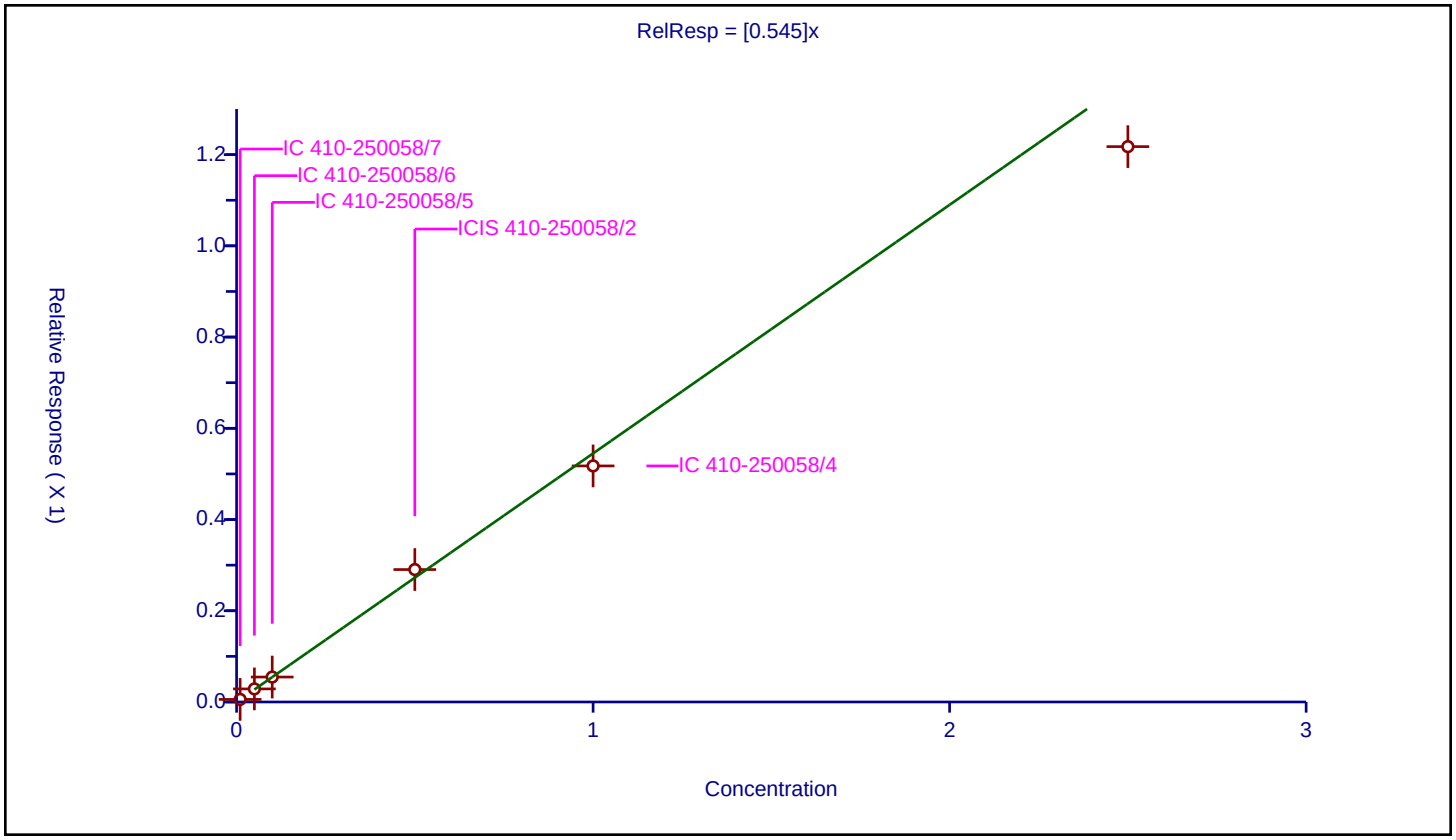
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Standard Error:	622000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.005645	0.25	263807.0	0.564523	Y
2	IC 410-250058/6	0.05	0.028649	0.25	269208.0	0.572977	Y
3	IC 410-250058/5	0.1	0.054703	0.25	276177.0	0.547031	Y
4	ICIS 410-250058/2	0.5	0.290345	0.25	246992.0	0.580691	Y
5	IC 410-250058/4	1.0	0.517513	0.25	257491.0	0.517513	Y
6	IC 410-250058/3	2.5	1.217556	0.25	256538.0	0.487023	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

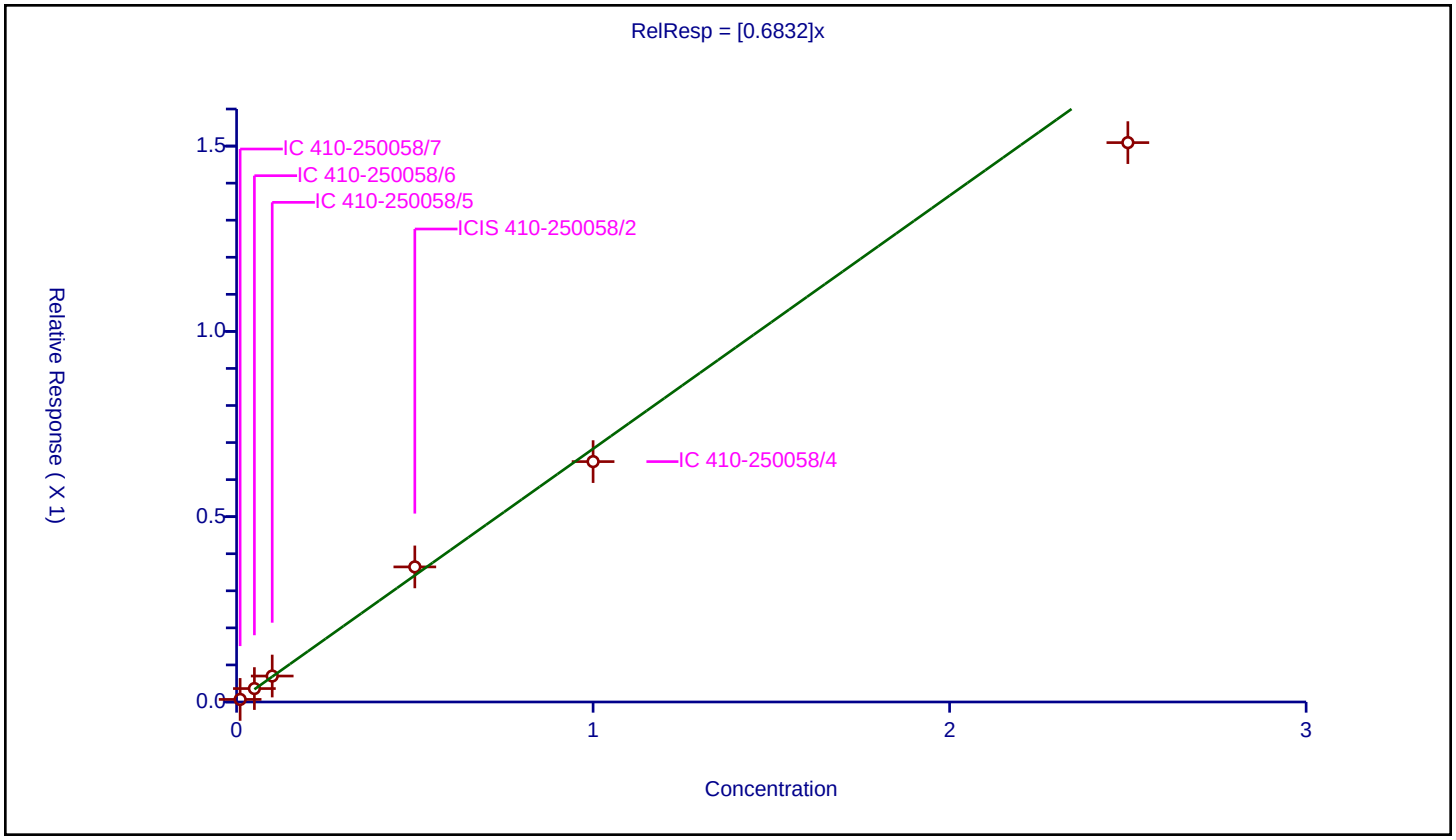
Curve Coefficients

Intercept:	0
Slope:	0.6832

Error Coefficients

Standard Error:	772000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.006925	0.25	263807.0	0.692457	Y
2	IC 410-250058/6	0.05	0.036228	0.25	269208.0	0.72457	Y
3	IC 410-250058/5	0.1	0.070064	0.25	276177.0	0.700638	Y
4	ICIS 410-250058/2	0.5	0.364502	0.25	246992.0	0.729003	Y
5	IC 410-250058/4	1.0	0.648659	0.25	257491.0	0.648659	Y
6	IC 410-250058/3	2.5	1.509312	0.25	256538.0	0.603725	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

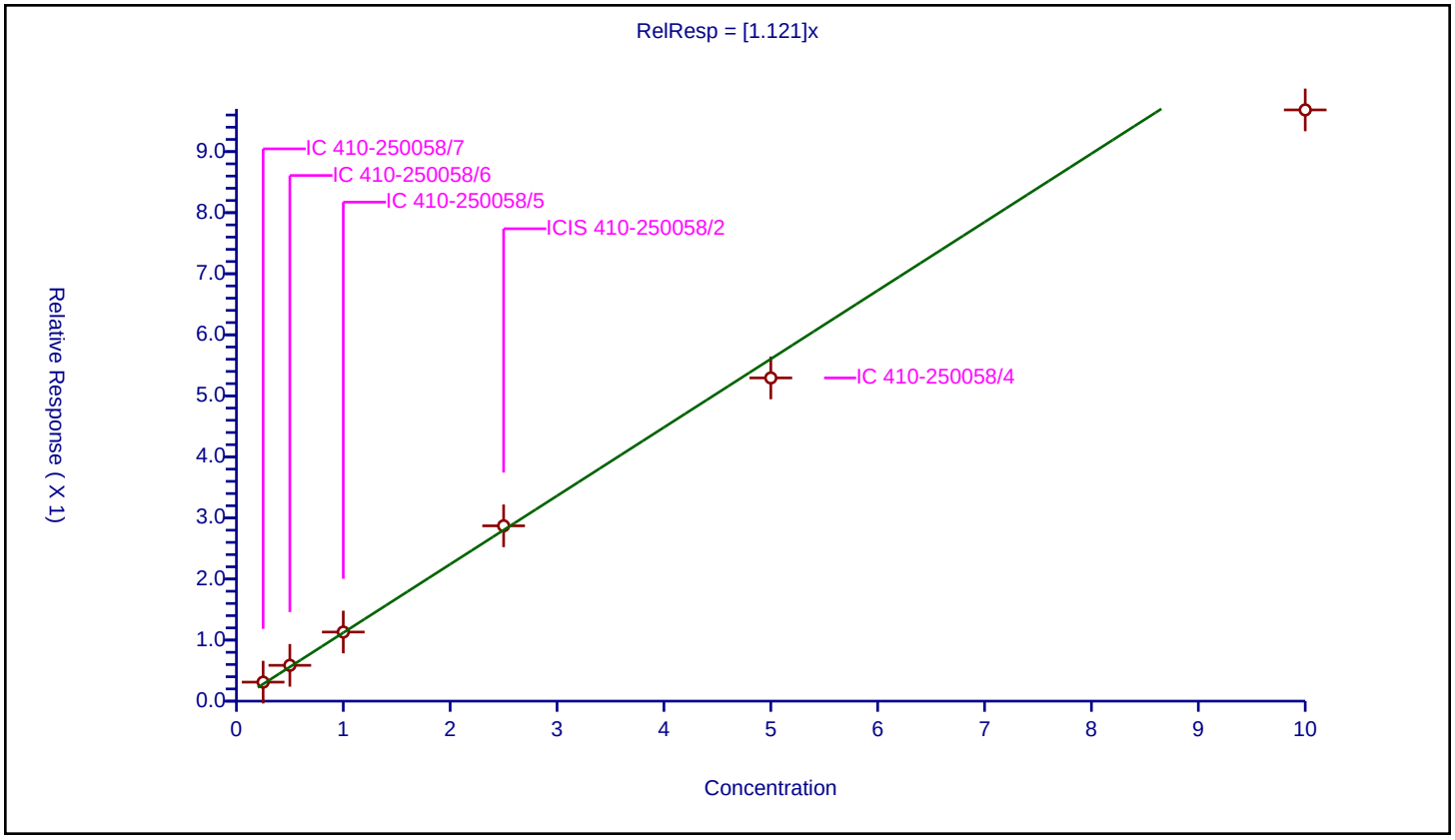
Curve Coefficients

Intercept:	0
Slope:	1.121

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	8.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.31117	0.25	120729.0	1.24468	Y
2	IC 410-250058/6	0.5	0.586625	0.25	122295.0	1.173249	Y
3	IC 410-250058/5	1.0	1.131651	0.25	123313.0	1.131651	Y
4	ICIS 410-250058/2	2.5	2.871542	0.25	113531.0	1.148617	Y
5	IC 410-250058/4	5.0	5.293676	0.25	113324.0	1.058735	Y
6	IC 410-250058/3	10.0	9.683466	0.25	109109.0	0.968347	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

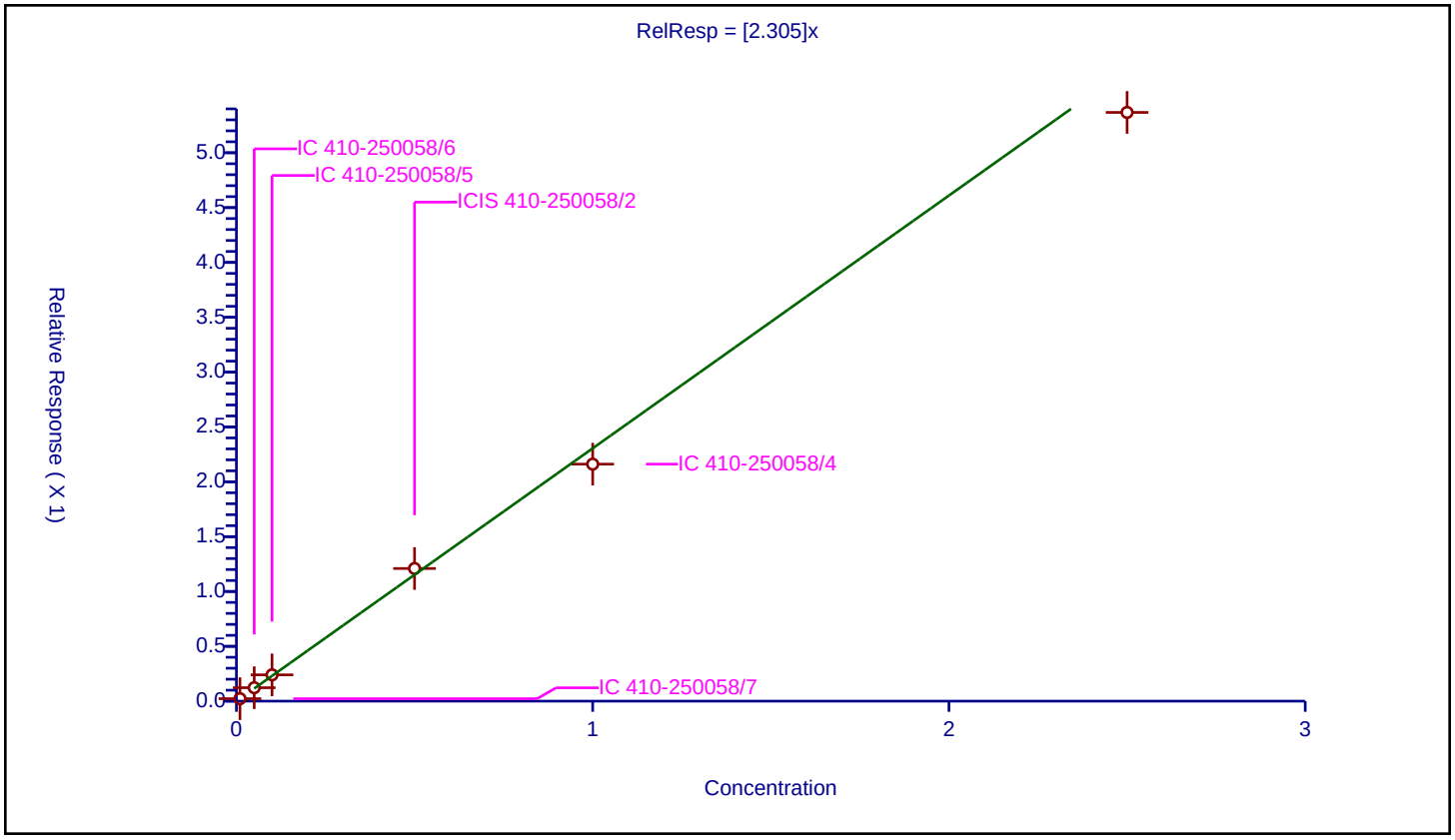
Curve Coefficients

Intercept:	0
Slope:	2.305

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.022567	0.25	120729.0	2.256707	Y
2	IC 410-250058/6	0.05	0.122431	0.25	122295.0	2.448628	Y
3	IC 410-250058/5	0.1	0.239788	0.25	123313.0	2.397882	Y
4	ICIS 410-250058/2	0.5	1.209381	0.25	113531.0	2.418762	Y
5	IC 410-250058/4	1.0	2.16099	0.25	113324.0	2.16099	Y
6	IC 410-250058/3	2.5	5.367724	0.25	109109.0	2.14709	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

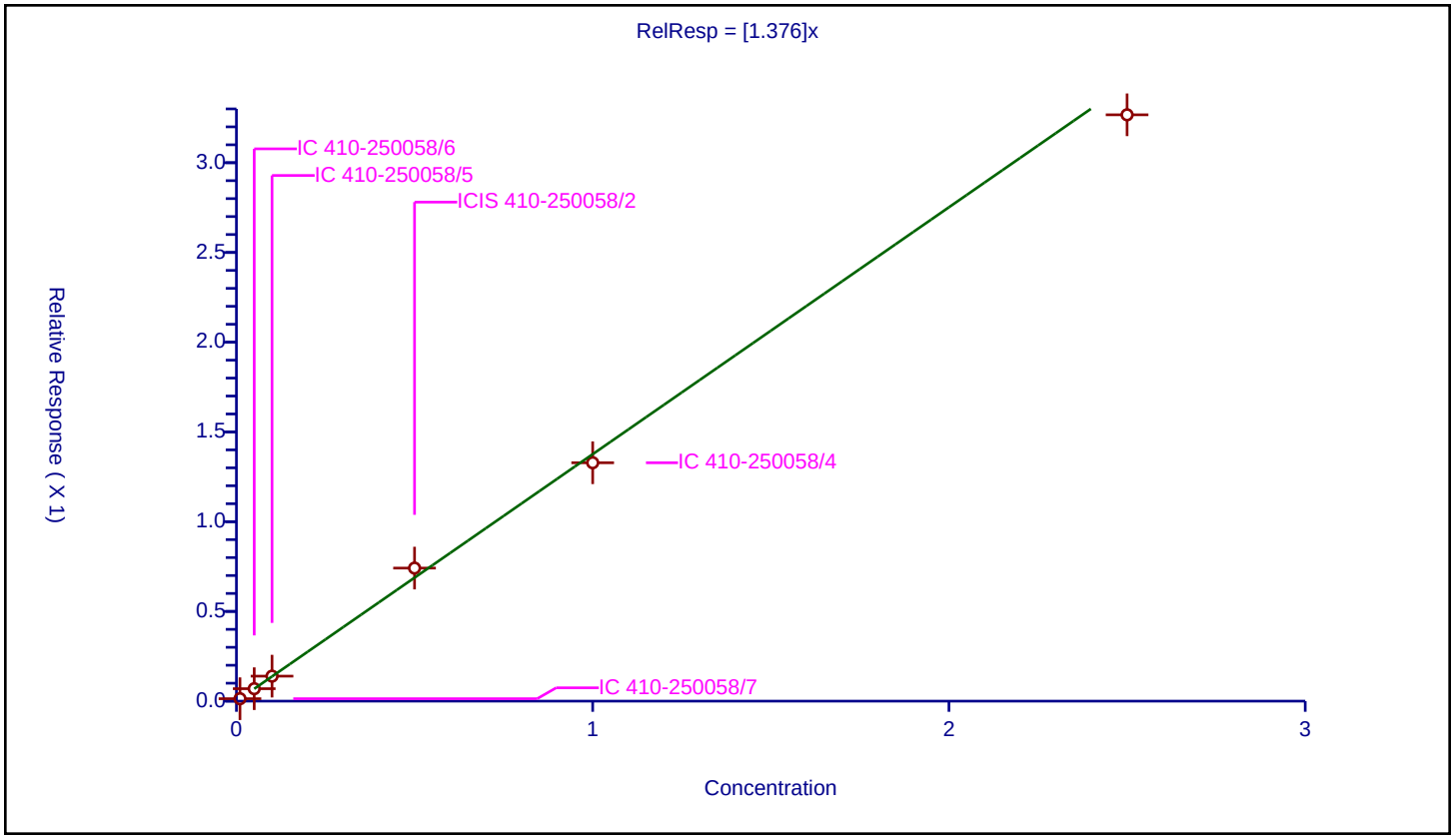
Curve Coefficients

Intercept:	0
Slope:	1.376

Error Coefficients

Standard Error:	709000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013578	0.25	120729.0	1.357793	Y
2	IC 410-250058/6	0.05	0.069355	0.25	122295.0	1.387097	Y
3	IC 410-250058/5	0.1	0.139298	0.25	123313.0	1.39298	Y
4	ICIS 410-250058/2	0.5	0.741364	0.25	113531.0	1.482727	Y
5	IC 410-250058/4	1.0	1.328322	0.25	113324.0	1.328322	Y
6	IC 410-250058/3	2.5	3.267045	0.25	109109.0	1.306818	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

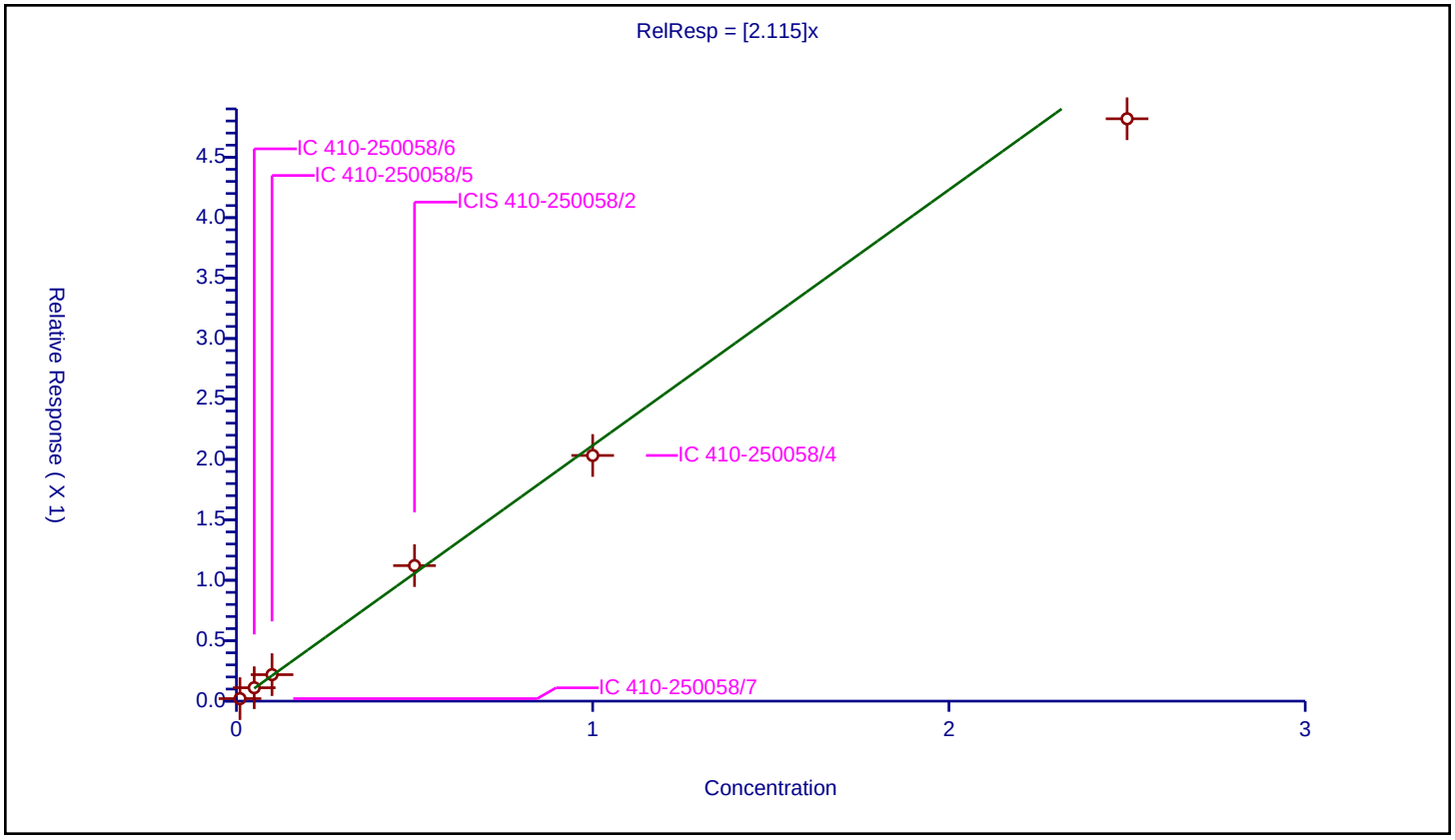
Curve Coefficients

Intercept:	0
Slope:	2.115

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.020778	0.25	120729.0	2.077794	Y
2	IC 410-250058/6	0.05	0.111023	0.25	122295.0	2.220451	Y
3	IC 410-250058/5	0.1	0.21916	0.25	123313.0	2.191598	Y
4	ICIS 410-250058/2	0.5	1.121185	0.25	113531.0	2.24237	Y
5	IC 410-250058/4	1.0	2.032751	0.25	113324.0	2.032751	Y
6	IC 410-250058/3	2.5	4.818351	0.25	109109.0	1.927341	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

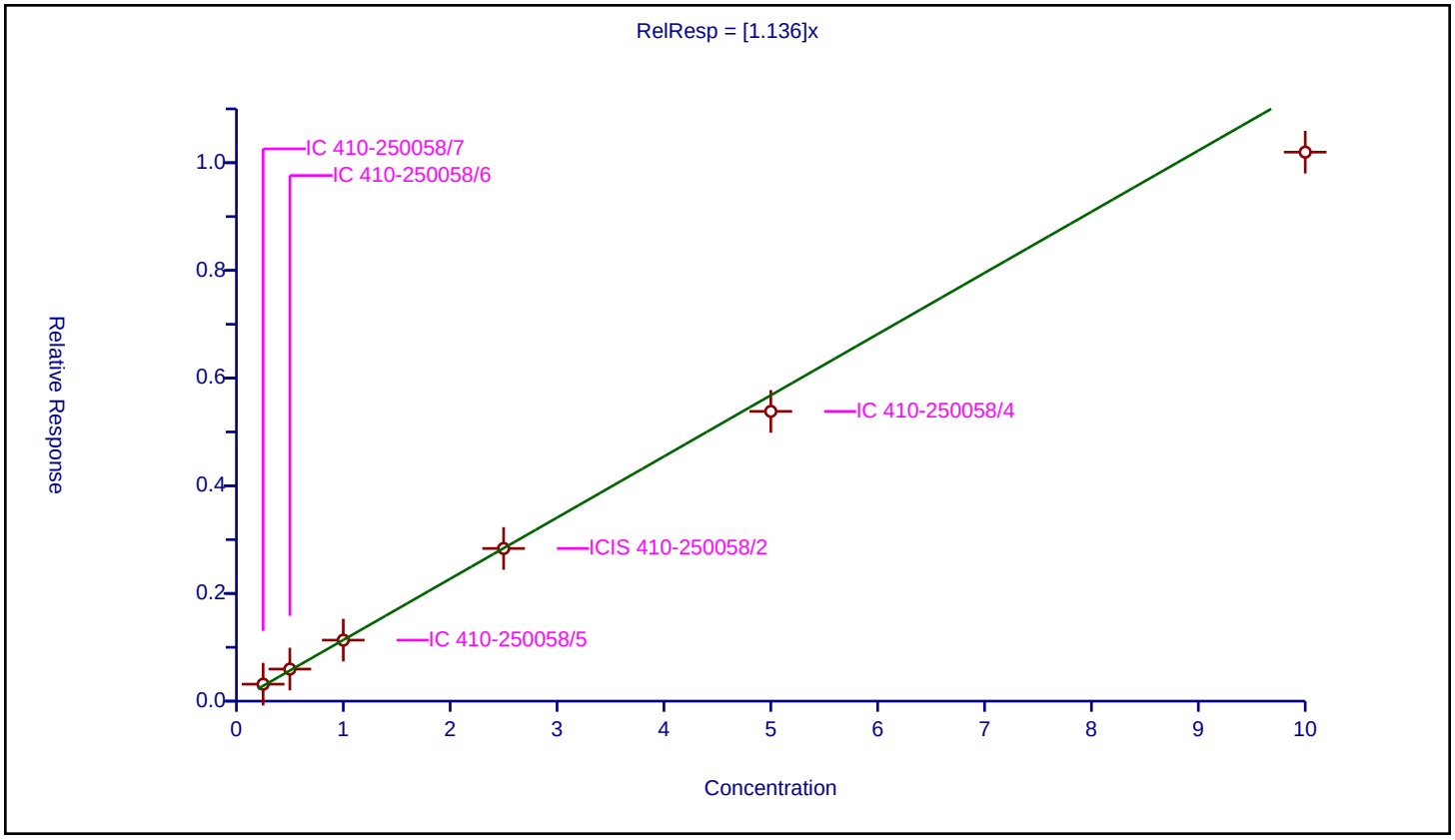
Curve Coefficients

Intercept:	0
Slope:	1.136

Error Coefficients

Standard Error:	2360000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.315465	0.25	120729.0	1.261859	Y
2	IC 410-250058/6	0.5	0.59584	0.25	122295.0	1.19168	Y
3	IC 410-250058/5	1.0	1.133052	0.25	123313.0	1.133052	Y
4	ICIS 410-250058/2	2.5	2.835853	0.25	113531.0	1.134341	Y
5	IC 410-250058/4	5.0	5.381669	0.25	113324.0	1.076334	Y
6	IC 410-250058/3	10.0	10.196739	0.25	109109.0	1.019674	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

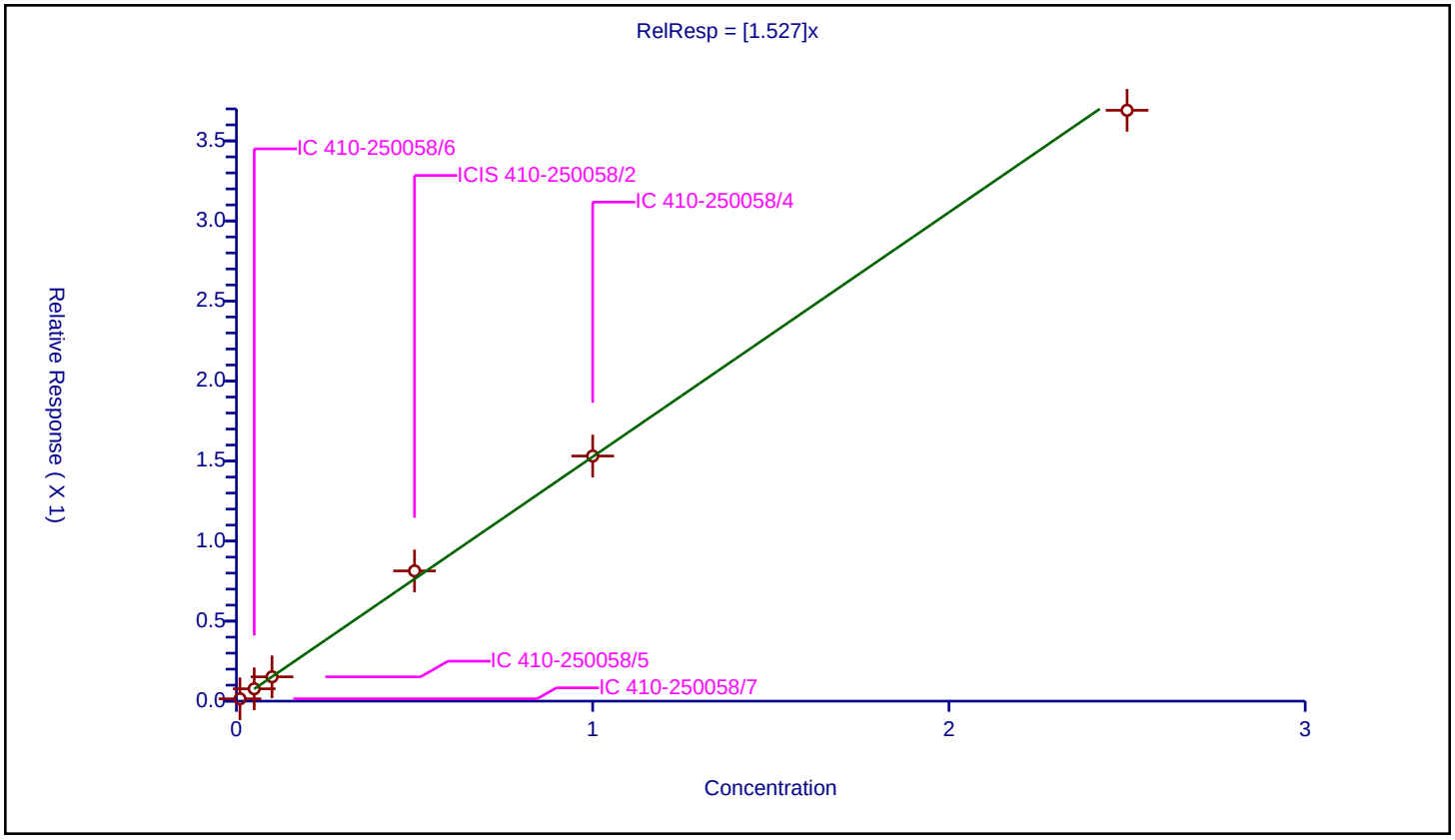
Curve Coefficients

Intercept:	0
Slope:	1.527

Error Coefficients

Standard Error:	803000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.014646	0.25	120729.0	1.464644	Y
2	IC 410-250058/6	0.05	0.077049	0.25	122295.0	1.540987	Y
3	IC 410-250058/5	0.1	0.151995	0.25	123313.0	1.519953	Y
4	ICIS 410-250058/2	0.5	0.813648	0.25	113531.0	1.627296	Y
5	IC 410-250058/4	1.0	1.531383	0.25	113324.0	1.531383	Y
6	IC 410-250058/3	2.5	3.691148	0.25	109109.0	1.476459	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

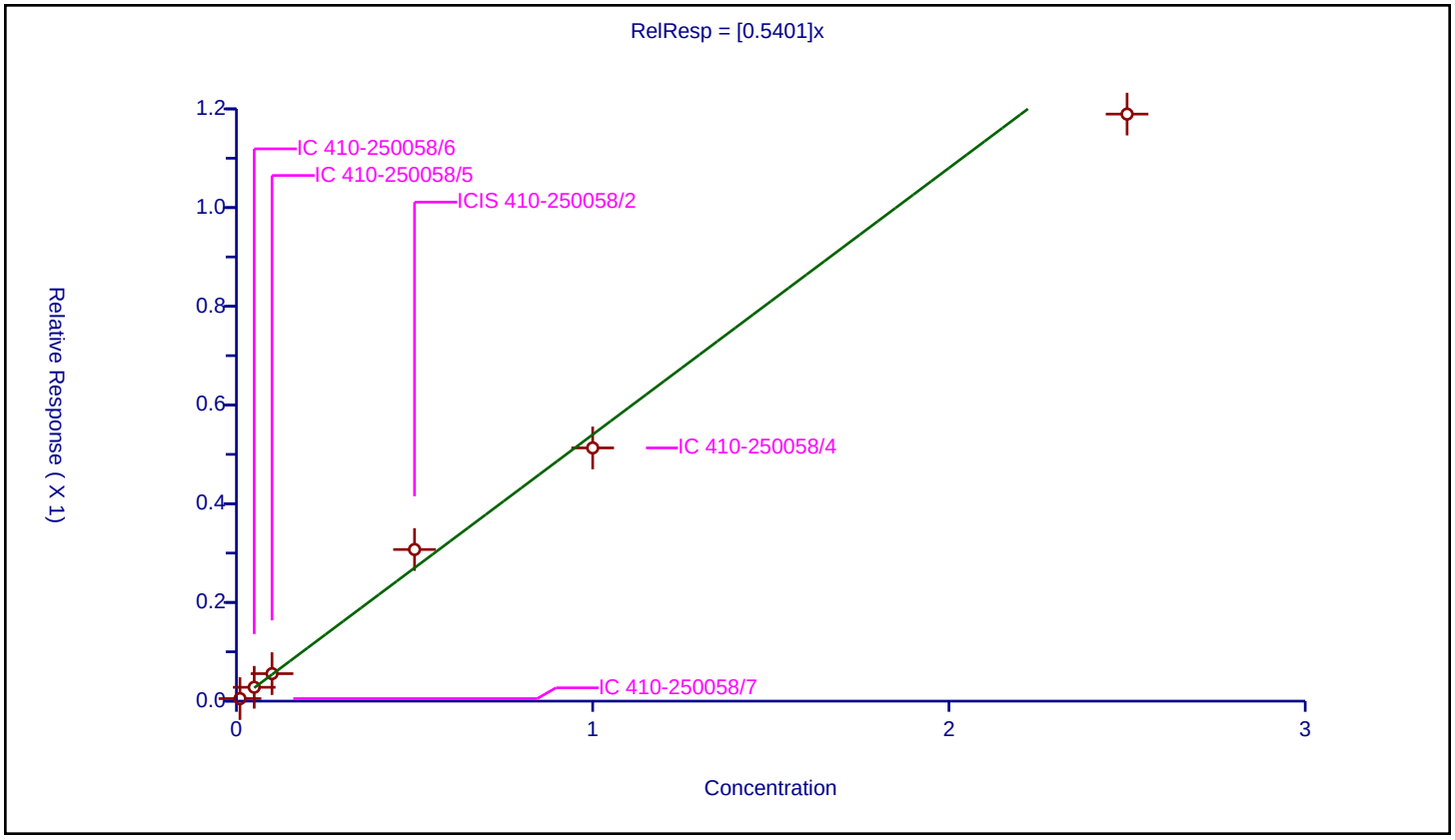
Curve Coefficients

Intercept:	0
Slope:	0.5401

Error Coefficients

Standard Error:	431000
Relative Standard Error:	8.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.005178	0.25	193847.0	0.517805	Y
2	IC 410-250058/6	0.05	0.028105	0.25	199202.0	0.562093	Y
3	IC 410-250058/5	0.1	0.055732	0.25	202324.0	0.557324	Y
4	ICIS 410-250058/2	0.5	0.307266	0.25	179500.0	0.614532	Y
5	IC 410-250058/4	1.0	0.513095	0.25	182146.0	0.513095	Y
6	IC 410-250058/3	2.5	1.189479	0.25	180318.0	0.475792	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

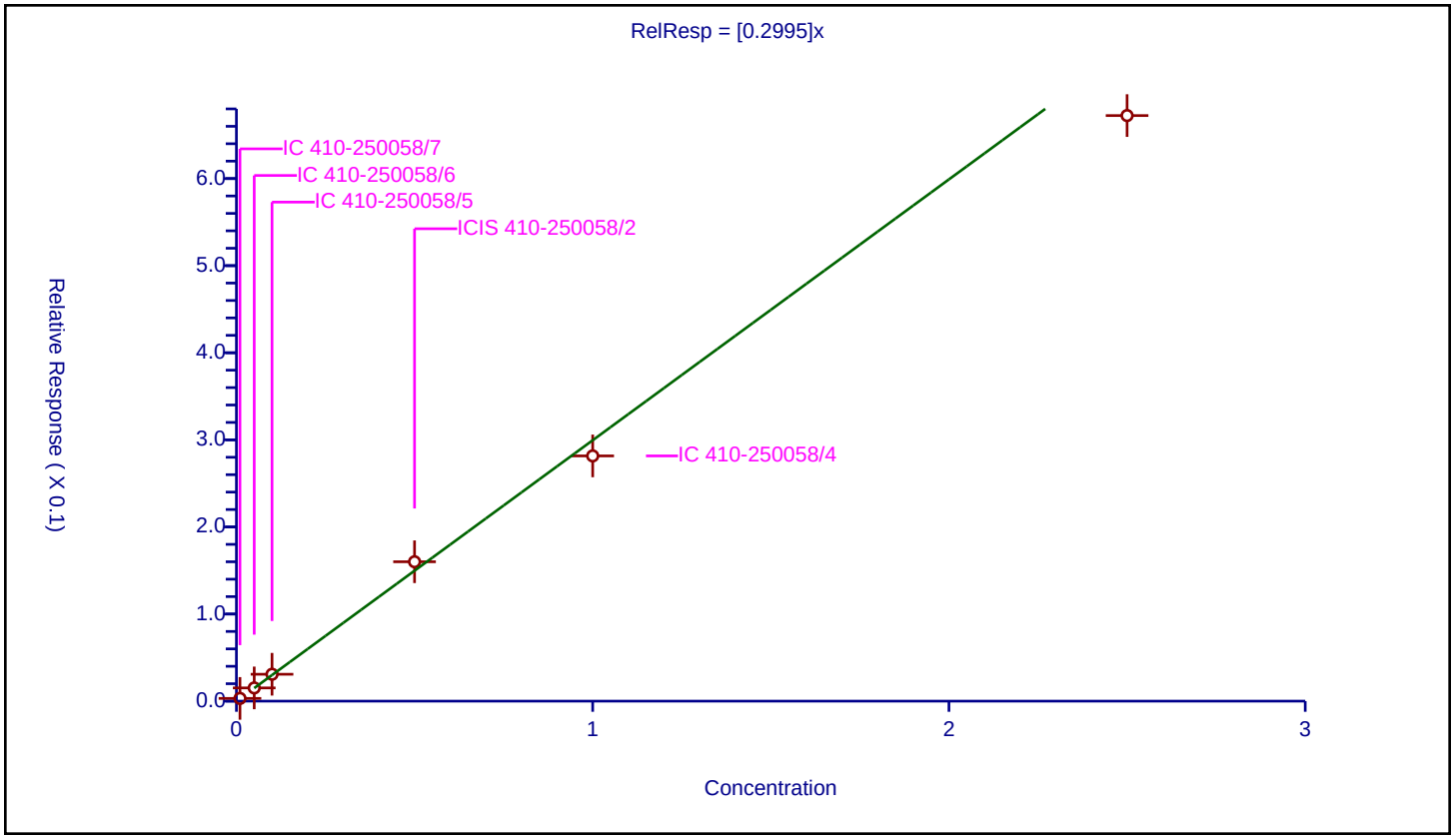
Curve Coefficients

Intercept:	0
Slope:	0.2995

Error Coefficients

Standard Error:	241000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.003142	0.25	193847.0	0.314165	Y
2	IC 410-250058/6	0.05	0.015178	0.25	199202.0	0.303561	Y
3	IC 410-250058/5	0.1	0.030885	0.25	202324.0	0.308849	Y
4	ICIS 410-250058/2	0.5	0.160029	0.25	179500.0	0.320058	Y
5	IC 410-250058/4	1.0	0.281571	0.25	182146.0	0.281571	Y
6	IC 410-250058/3	2.5	0.672332	0.25	180318.0	0.268933	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

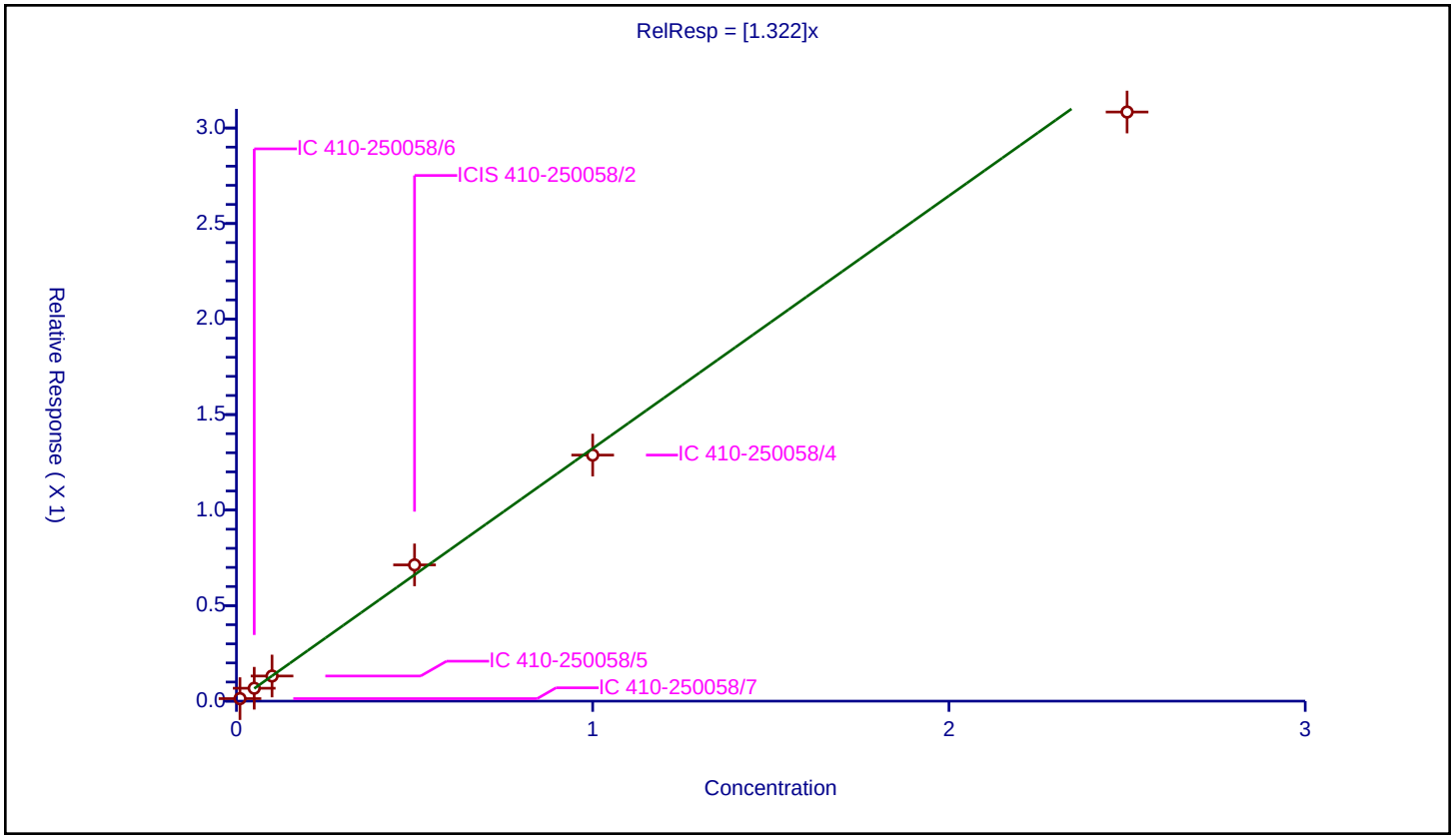
Curve Coefficients

Intercept:	0
Slope:	1.322

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013219	0.25	193847.0	1.321919	Y
2	IC 410-250058/6	0.05	0.067511	0.25	199202.0	1.350212	Y
3	IC 410-250058/5	0.1	0.131524	0.25	202324.0	1.315242	Y
4	ICIS 410-250058/2	0.5	0.713085	0.25	179500.0	1.42617	Y
5	IC 410-250058/4	1.0	1.287893	0.25	182146.0	1.287893	Y
6	IC 410-250058/3	2.5	3.083731	0.25	180318.0	1.233492	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

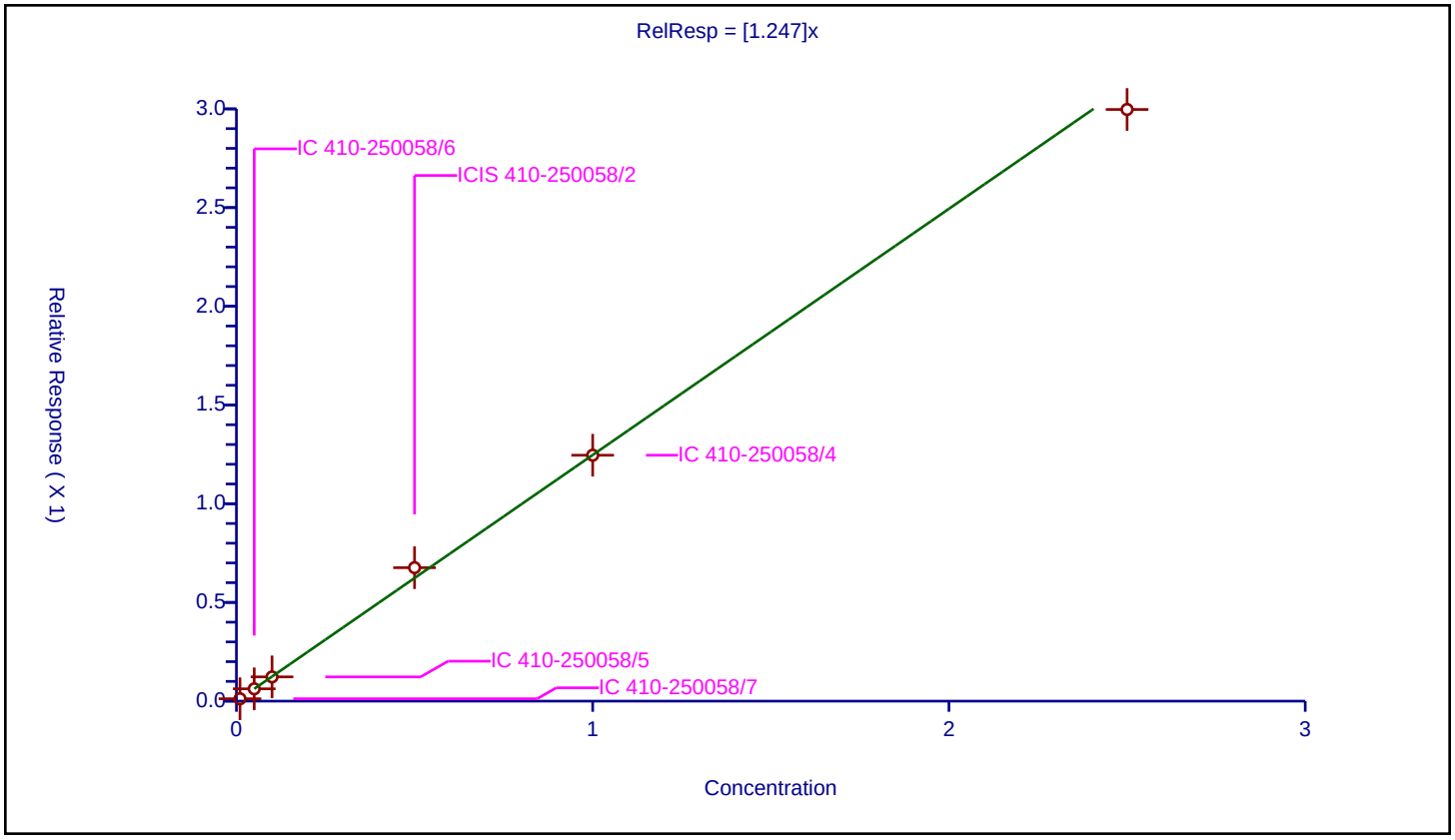
Curve Coefficients

Intercept:	0
Slope:	1.247

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012089	0.25	193847.0	1.208943	Y
2	IC 410-250058/6	0.05	0.062399	0.25	199202.0	1.247979	Y
3	IC 410-250058/5	0.1	0.122823	0.25	202324.0	1.228228	Y
4	ICIS 410-250058/2	0.5	0.675997	0.25	179500.0	1.351994	Y
5	IC 410-250058/4	1.0	1.245696	0.25	182146.0	1.245696	Y
6	IC 410-250058/3	2.5	2.997048	0.25	180318.0	1.198819	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

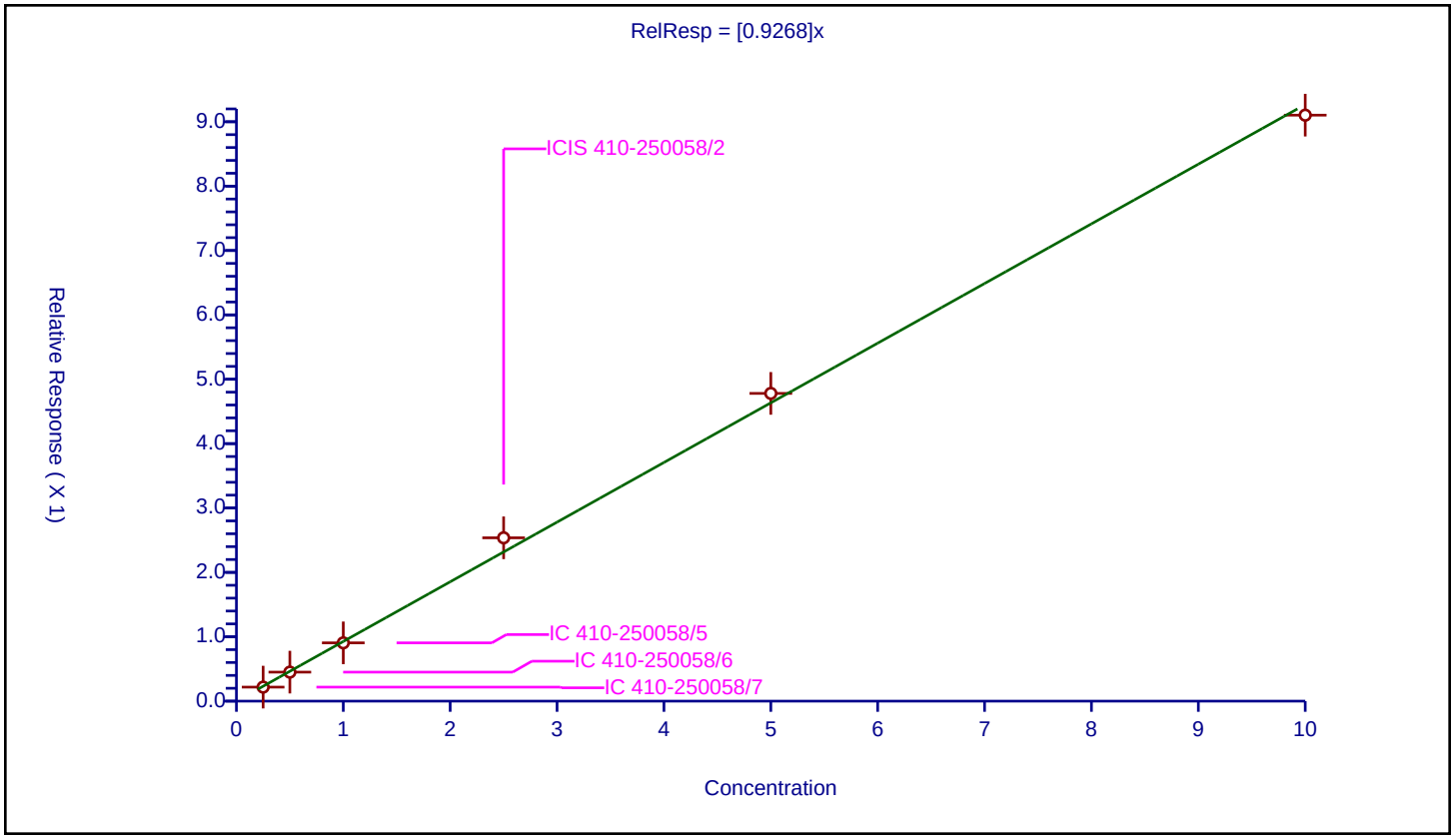
Curve Coefficients

Intercept:	0
Slope:	0.9268

Error Coefficients

Standard Error:	3440000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.217989	0.25	193847.0	0.871956	Y
2	IC 410-250058/6	0.5	0.45093	0.25	199202.0	0.901861	Y
3	IC 410-250058/5	1.0	0.905528	0.25	202324.0	0.905528	Y
4	ICIS 410-250058/2	2.5	2.53716	0.25	179500.0	1.014864	Y
5	IC 410-250058/4	5.0	4.780668	0.25	182146.0	0.956134	Y
6	IC 410-250058/3	10.0	9.102759	0.25	180318.0	0.910276	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

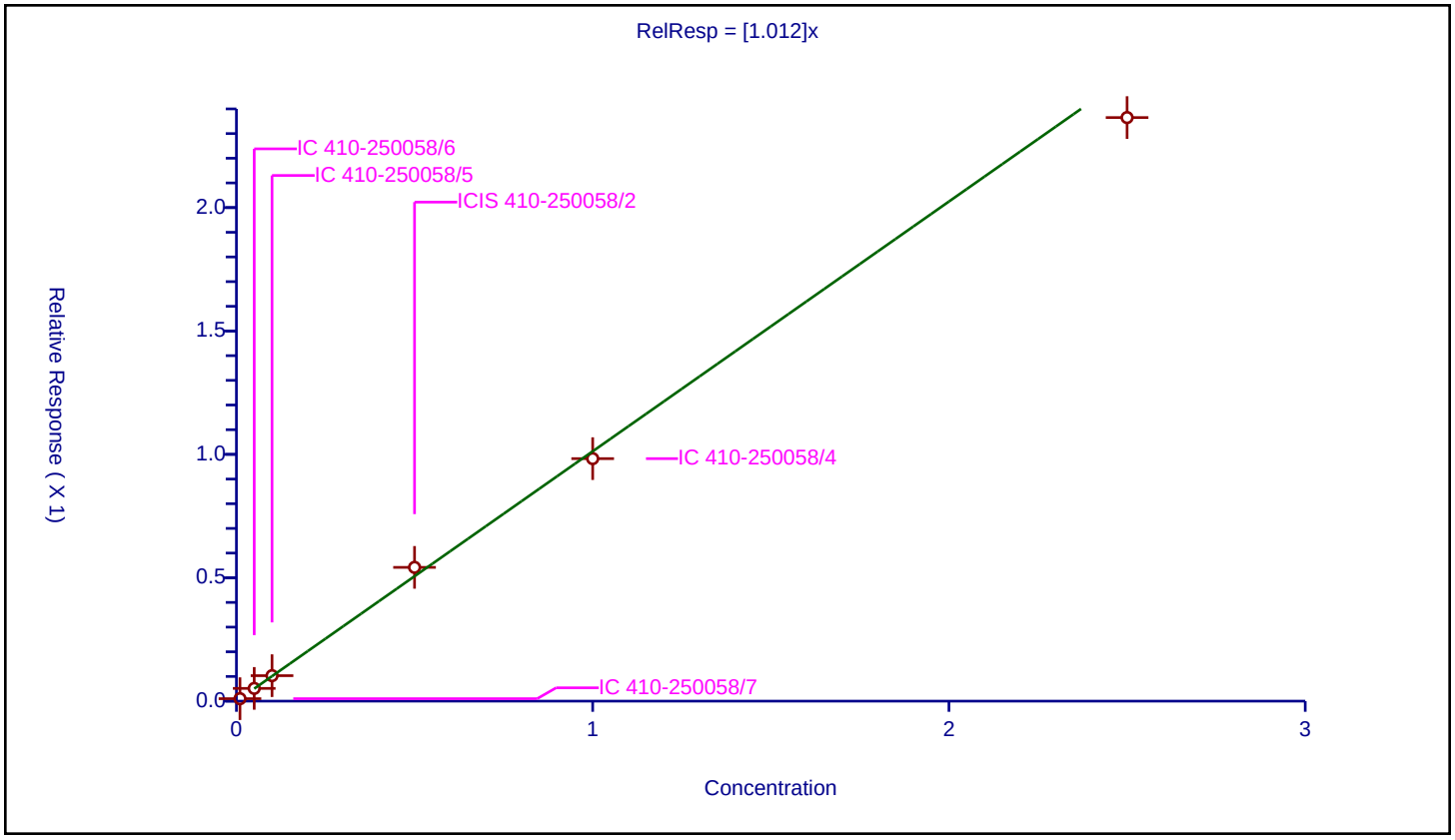
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Standard Error:	846000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.009968	0.25	193847.0	0.996791	Y
2	IC 410-250058/6	0.05	0.051611	0.25	199202.0	1.032219	Y
3	IC 410-250058/5	0.1	0.103185	0.25	202324.0	1.031847	Y
4	ICIS 410-250058/2	0.5	0.542111	0.25	179500.0	1.084223	Y
5	IC 410-250058/4	1.0	0.98274	0.25	182146.0	0.98274	Y
6	IC 410-250058/3	2.5	2.364846	0.25	180318.0	0.945938	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

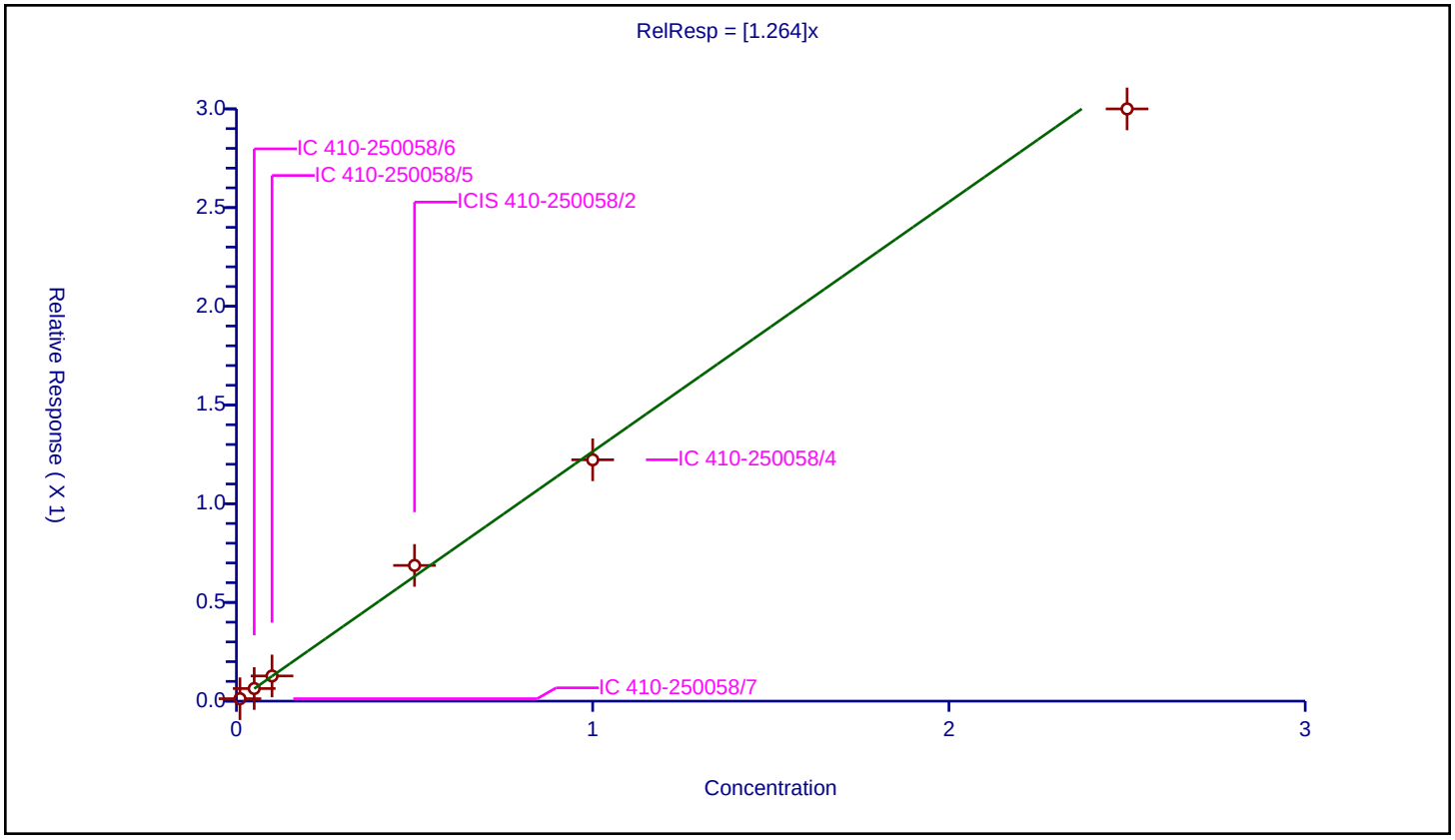
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012354	0.25	193847.0	1.235382	Y
2	IC 410-250058/6	0.05	0.06388	0.25	199202.0	1.277598	Y
3	IC 410-250058/5	0.1	0.127548	0.25	202324.0	1.275479	Y
4	ICIS 410-250058/2	0.5	0.687469	0.25	179500.0	1.374939	Y
5	IC 410-250058/4	1.0	1.222525	0.25	182146.0	1.222525	Y
6	IC 410-250058/3	2.5	2.999906	0.25	180318.0	1.199962	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

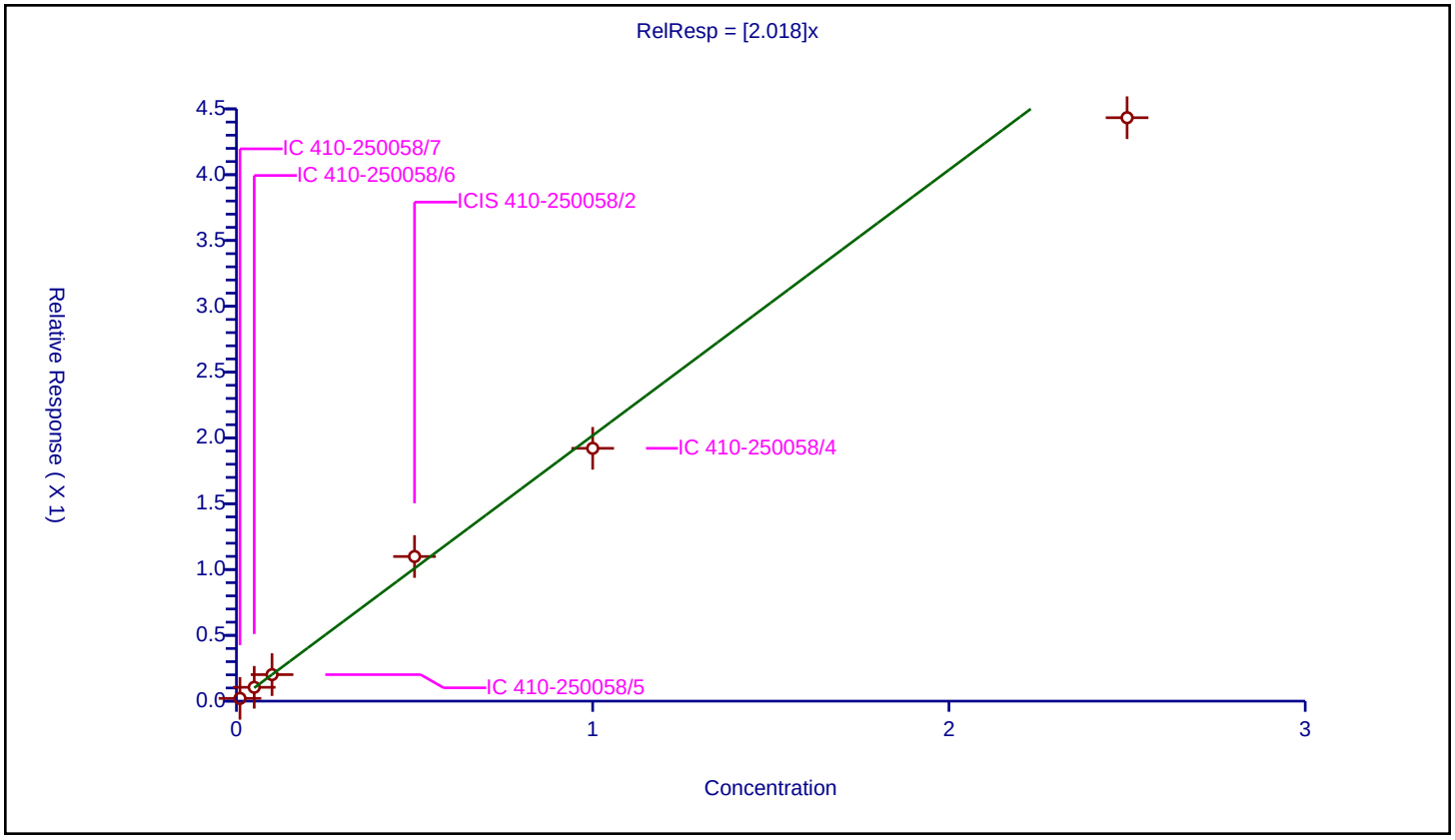
Curve Coefficients

Intercept:	0
Slope:	2.018

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.020986	0.25	120900.0	2.098635	Y
2	IC 410-250058/6	0.05	0.105214	0.25	129059.0	2.10427	Y
3	IC 410-250058/5	0.1	0.20142	0.25	130933.0	2.014198	Y
4	ICIS 410-250058/2	0.5	1.098998	0.25	121833.0	2.197996	Y
5	IC 410-250058/4	1.0	1.920933	0.25	122419.0	1.920933	Y
6	IC 410-250058/3	2.5	4.433034	0.25	126470.0	1.773213	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

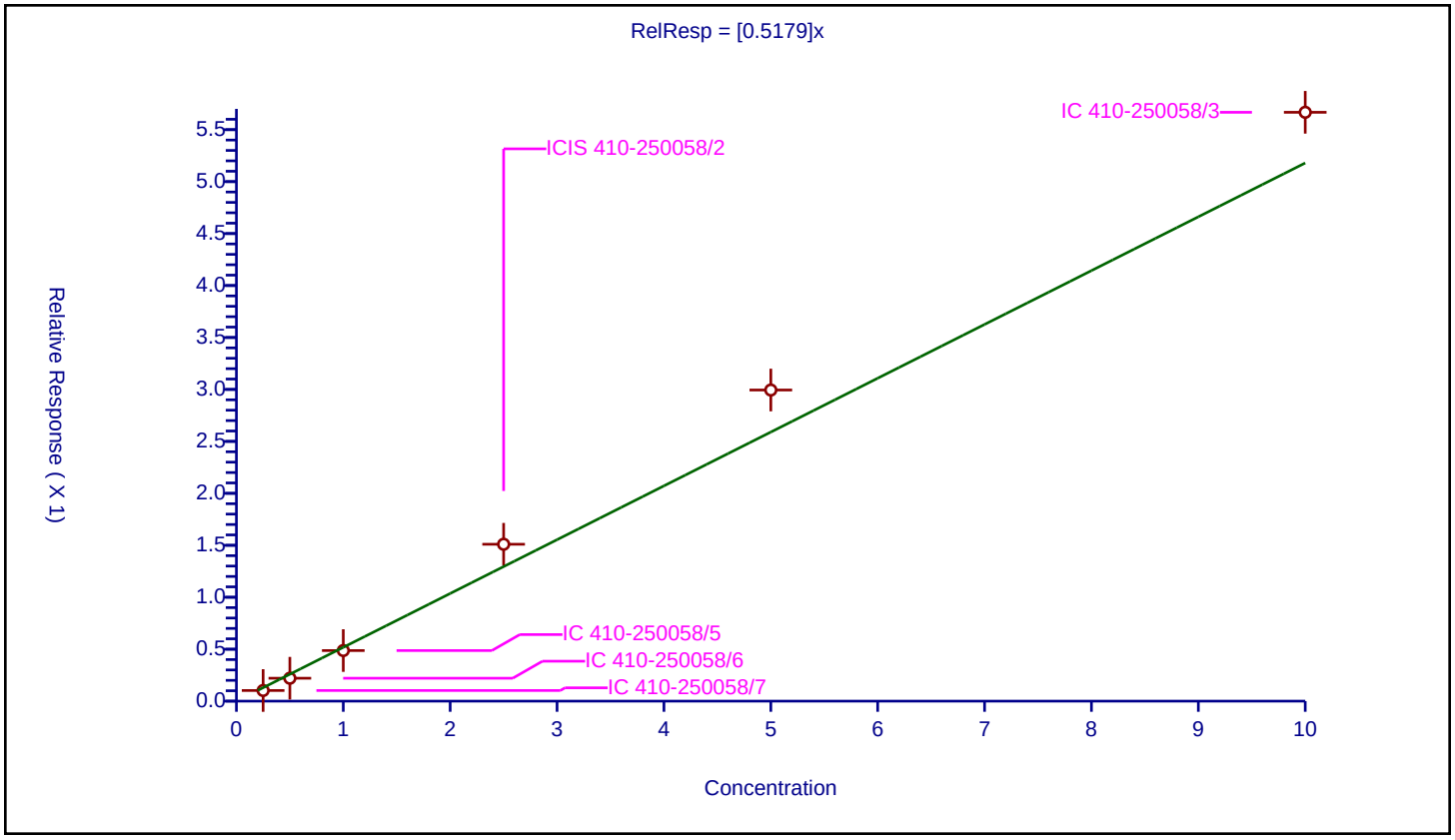
Curve Coefficients

Intercept:	0
Slope:	0.5179

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	16.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.102481	0.25	120900.0	0.409926	Y
2	IC 410-250058/6	0.5	0.220645	0.25	129059.0	0.44129	Y
3	IC 410-250058/5	1.0	0.486852	0.25	130933.0	0.486852	Y
4	ICIS 410-250058/2	2.5	1.509815	0.25	121833.0	0.603926	Y
5	IC 410-250058/4	5.0	2.994251	0.25	122419.0	0.59885	Y
6	IC 410-250058/3	10.0	5.667093	0.25	126470.0	0.566709	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

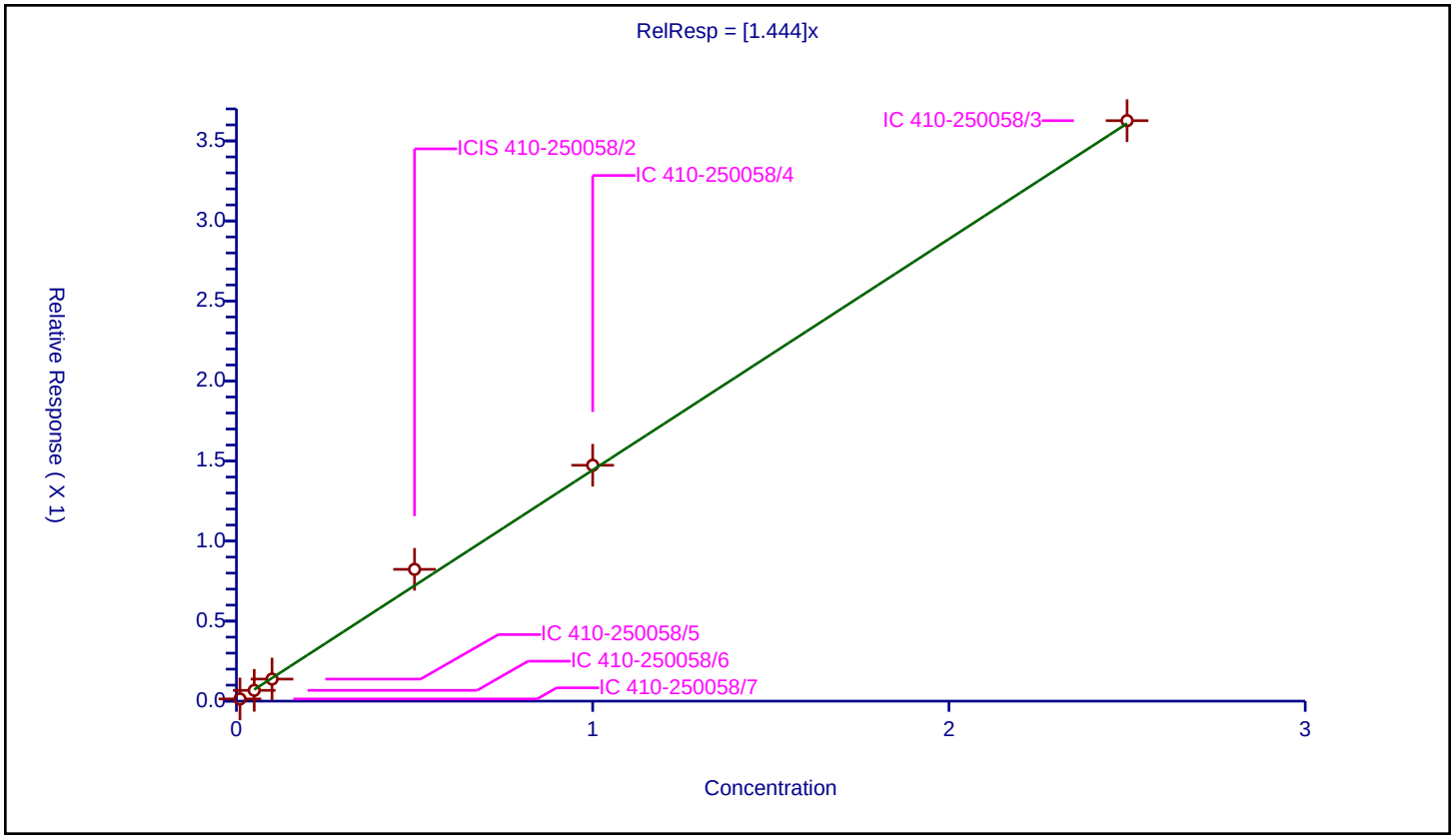
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Standard Error:	900000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013646	0.25	120900.0	1.364557	Y
2	IC 410-250058/6	0.05	0.067392	0.25	129059.0	1.347833	Y
3	IC 410-250058/5	0.1	0.137803	0.25	130933.0	1.378033	Y
4	ICIS 410-250058/2	0.5	0.82333	0.25	121833.0	1.64666	Y
5	IC 410-250058/4	1.0	1.473713	0.25	122419.0	1.473713	Y
6	IC 410-250058/3	2.5	3.626378	0.25	126470.0	1.450551	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

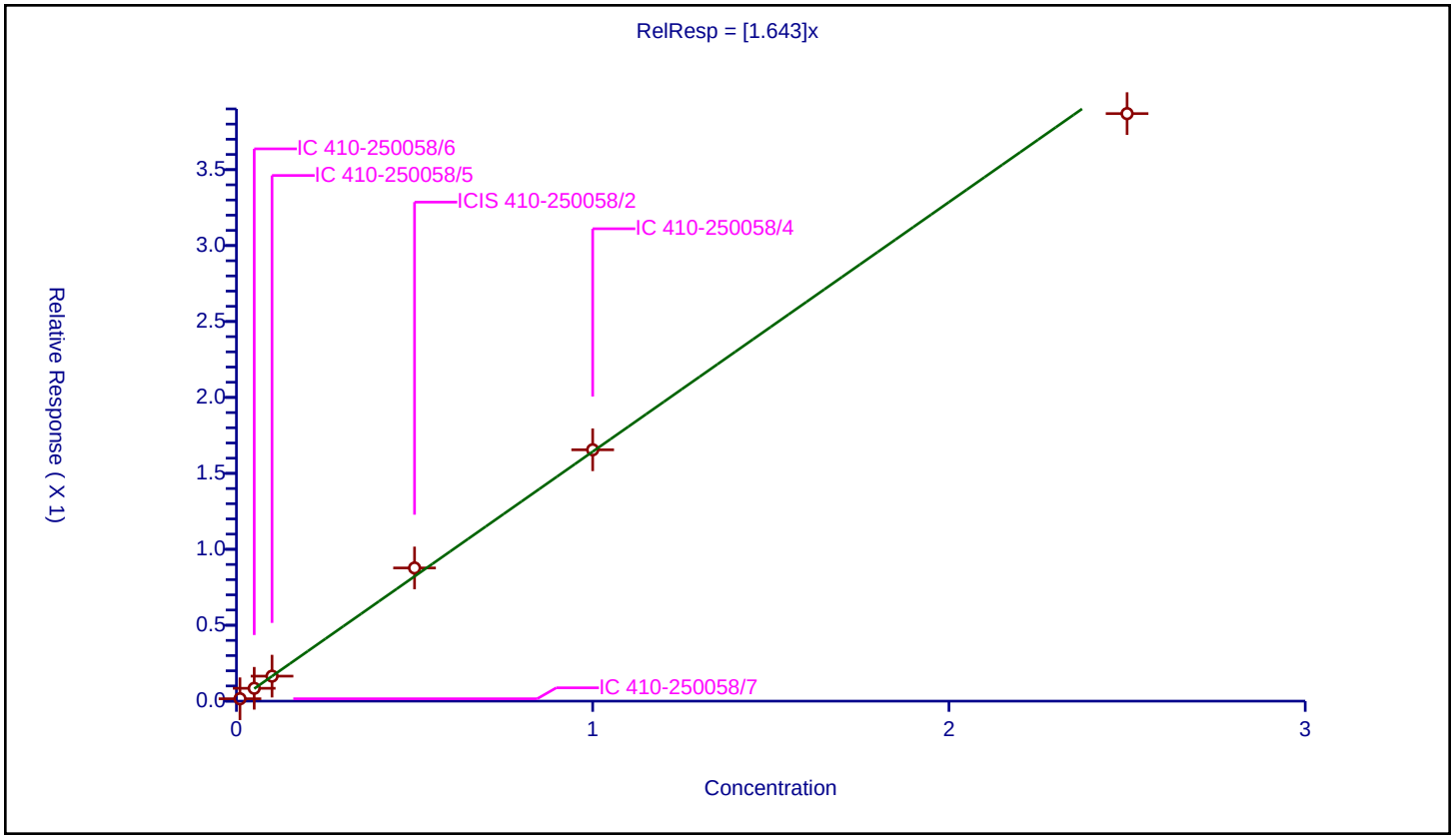
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	967000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.015633	0.25	120900.0	1.563275	Y
2	IC 410-250058/6	0.05	0.084566	0.25	129059.0	1.691319	Y
3	IC 410-250058/5	0.1	0.164683	0.25	130933.0	1.646835	Y
4	ICIS 410-250058/2	0.5	0.877002	0.25	121833.0	1.754003	Y
5	IC 410-250058/4	1.0	1.65517	0.25	122419.0	1.65517	Y
6	IC 410-250058/3	2.5	3.869008	0.25	126470.0	1.547603	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

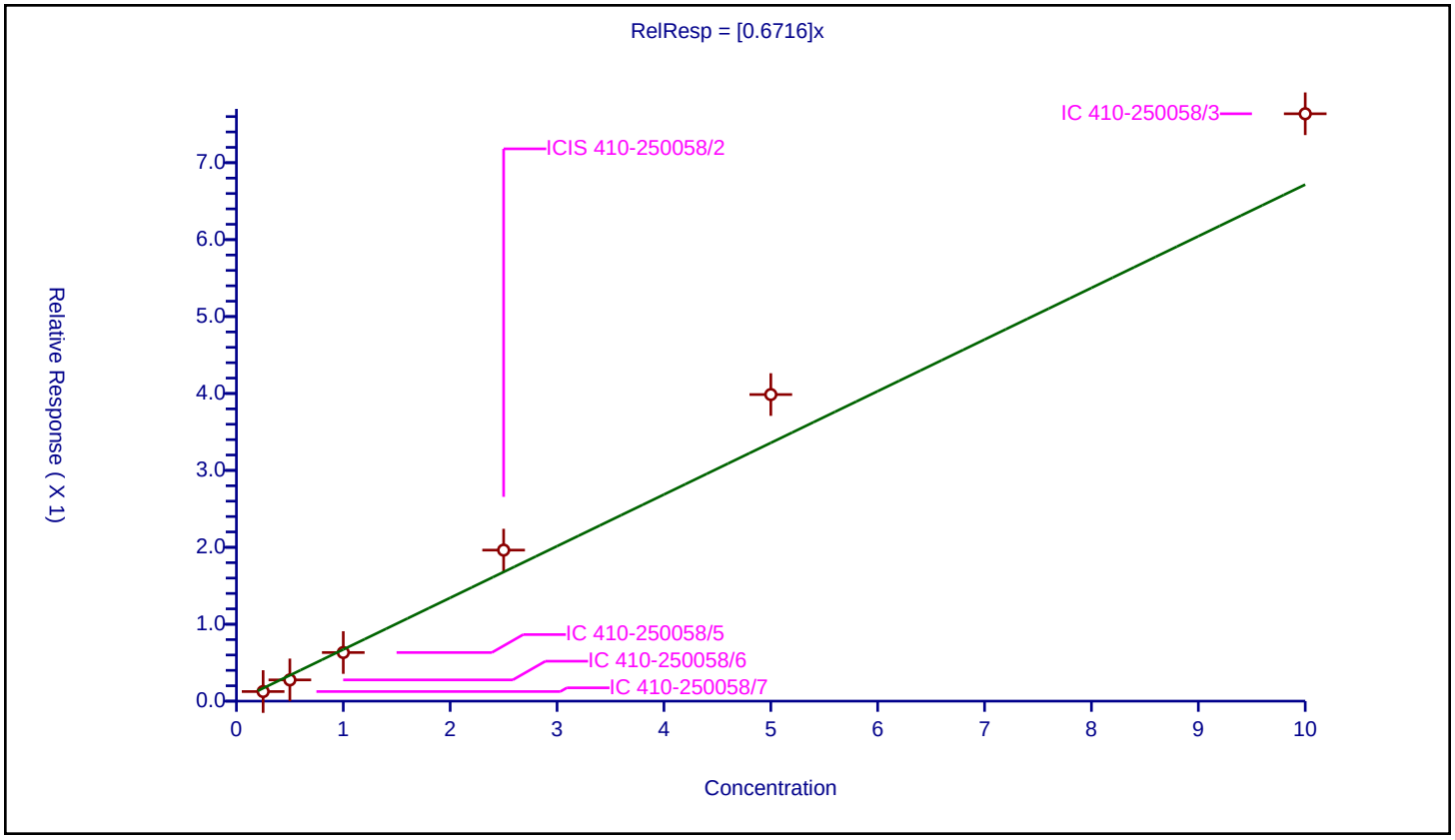
Curve Coefficients

Intercept:	0
Slope:	0.6716

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.124729	0.25	120900.0	0.498916	Y
2	IC 410-250058/6	0.5	0.27613	0.25	129059.0	0.552259	Y
3	IC 410-250058/5	1.0	0.632043	0.25	130933.0	0.632043	Y
4	ICIS 410-250058/2	2.5	1.963651	0.25	121833.0	0.78546	Y
5	IC 410-250058/4	5.0	3.98623	0.25	122419.0	0.797246	Y
6	IC 410-250058/3	10.0	7.636457	0.25	126470.0	0.763646	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

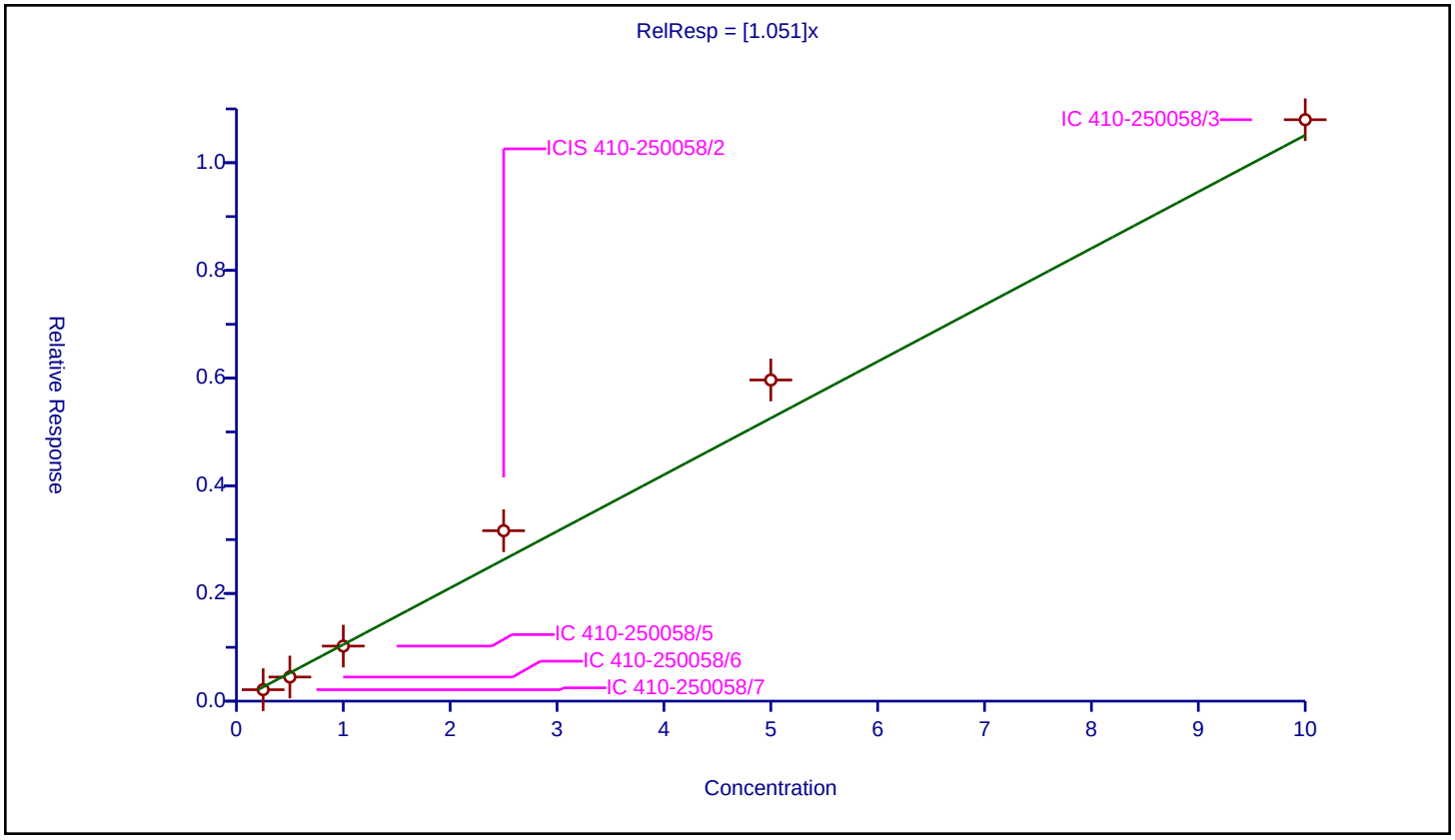
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	15.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.25	0.212522	0.25	105556.0	0.850089	Y
2	IC 410-250058/6	0.5	0.447756	0.25	114821.0	0.895511	Y
3	IC 410-250058/5	1.0	1.022576	0.25	120414.0	1.022576	Y
4	ICIS 410-250058/2	2.5	3.165073	0.25	122702.0	1.266029	Y
5	IC 410-250058/4	5.0	5.96466	0.25	134197.0	1.192932	Y
6	IC 410-250058/3	10.0	10.799204	0.25	149367.0	1.07992	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

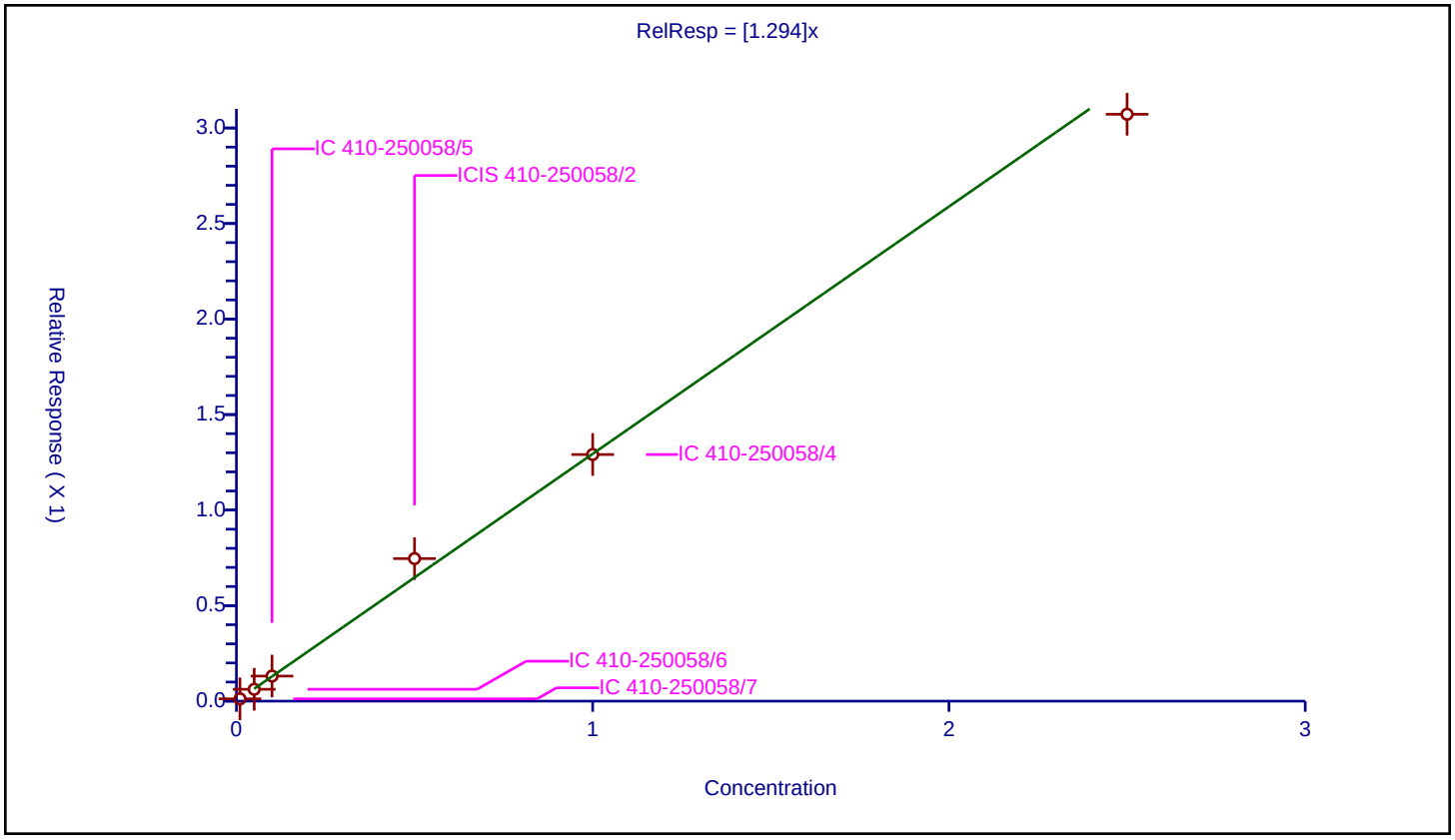
Curve Coefficients

Intercept:	0
Slope:	1.294

Error Coefficients

Standard Error:	893000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.011989	0.25	105556.0	1.19889	Y
2	IC 410-250058/6	0.05	0.062101	0.25	114821.0	1.24202	Y
3	IC 410-250058/5	0.1	0.131299	0.25	120414.0	1.312991	Y
4	ICIS 410-250058/2	0.5	0.746137	0.25	122702.0	1.492274	Y
5	IC 410-250058/4	1.0	1.290865	0.25	134197.0	1.290865	Y
6	IC 410-250058/3	2.5	3.071816	0.25	149367.0	1.228727	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

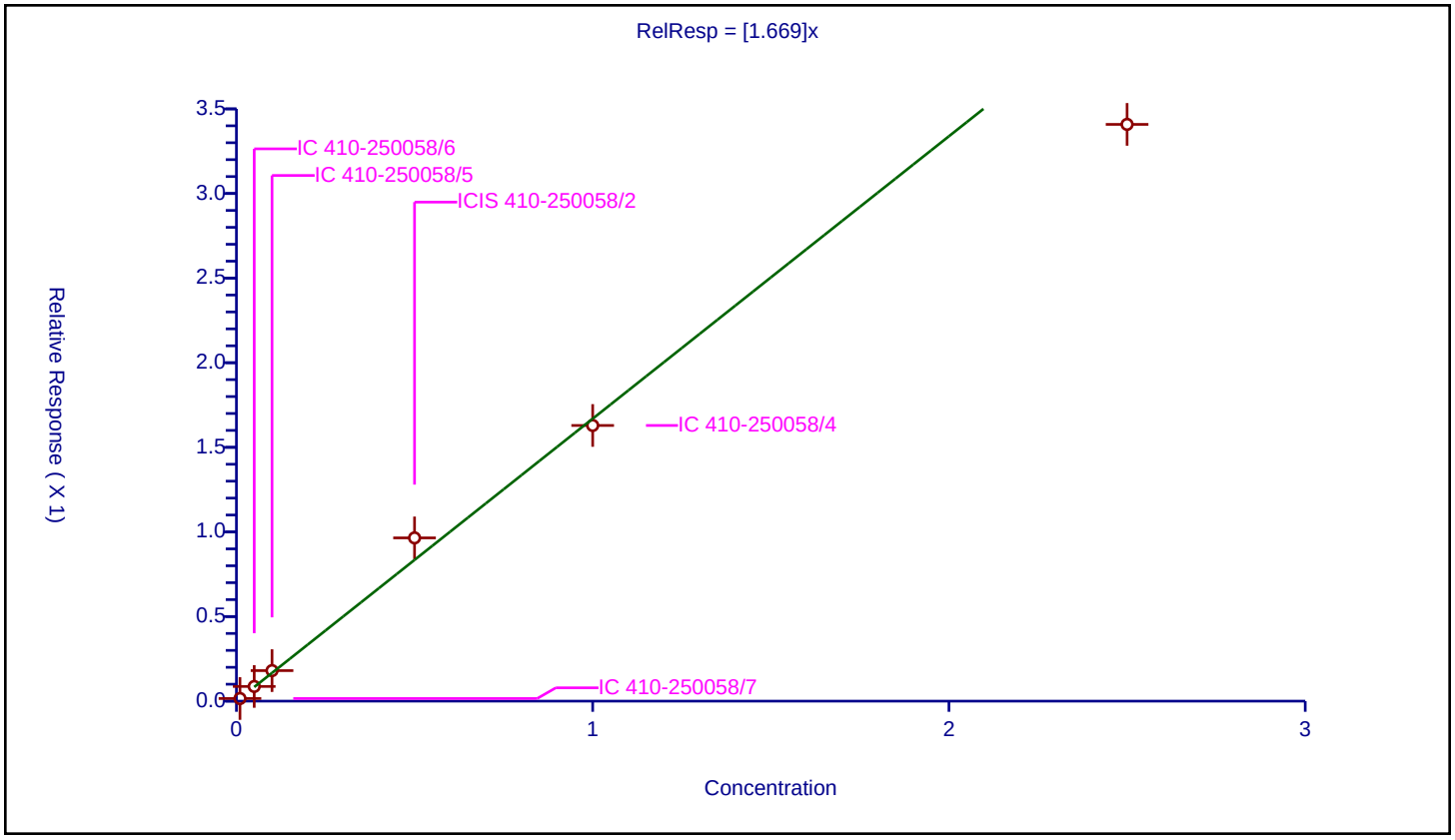
Curve Coefficients

Intercept:	0
Slope:	1.669

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	11.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.015534	0.25	105556.0	1.553441	Y
2	IC 410-250058/6	0.05	0.086779	0.25	114821.0	1.735571	Y
3	IC 410-250058/5	0.1	0.18039	0.25	120414.0	1.803902	Y
4	ICIS 410-250058/2	0.5	0.964805	0.25	122702.0	1.92961	Y
5	IC 410-250058/4	1.0	1.629157	0.25	134197.0	1.629157	Y
6	IC 410-250058/3	2.5	3.408405	0.25	149367.0	1.363362	Y



Calibration / Benzo[e]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

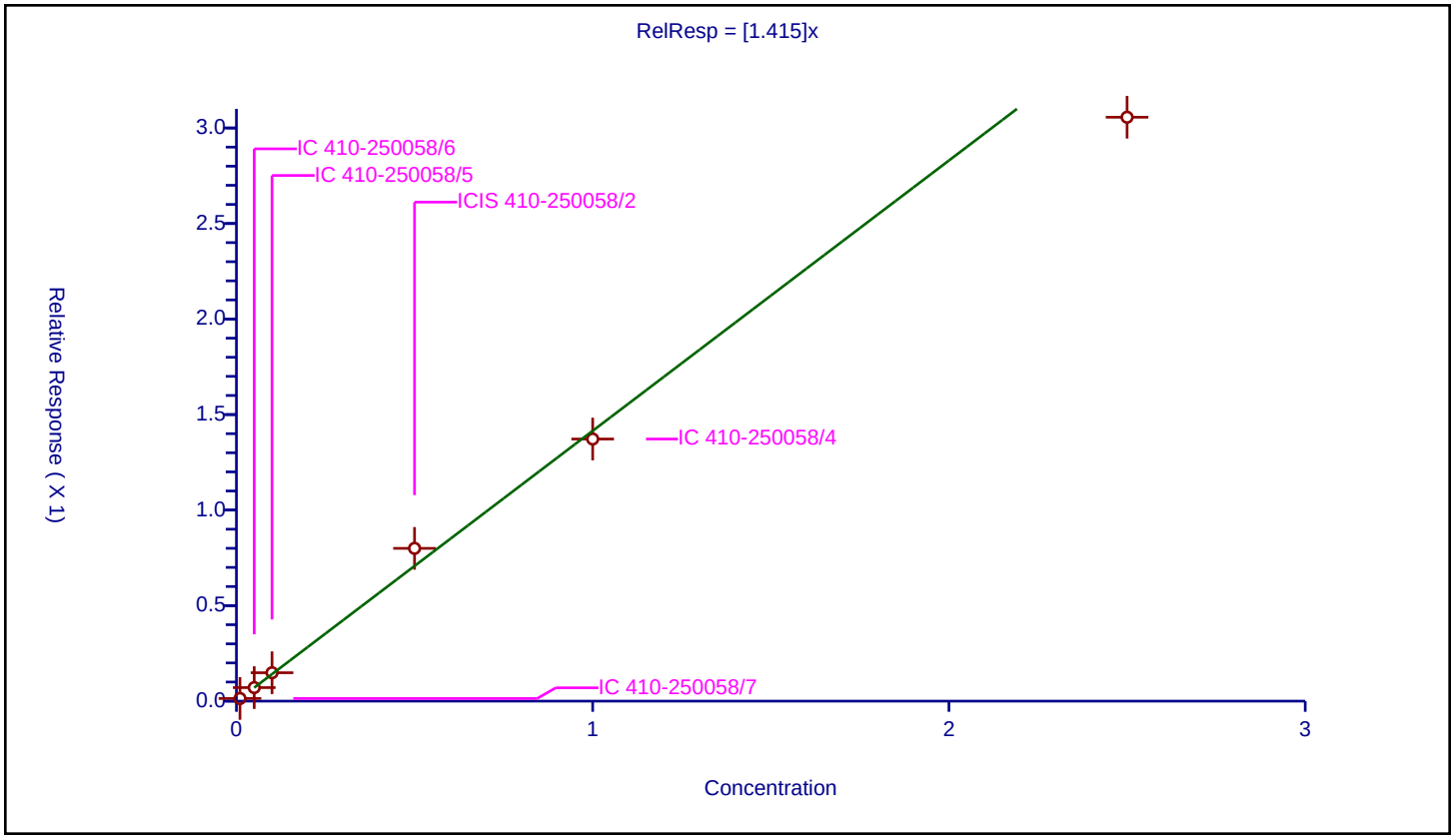
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Standard Error:	899000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.013917	0.25	105556.0	1.391678	Y
2	IC 410-250058/6	0.05	0.070836	0.25	114821.0	1.416727	Y
3	IC 410-250058/5	0.1	0.14872	0.25	120414.0	1.487202	Y
4	ICIS 410-250058/2	0.5	0.799712	0.25	122702.0	1.599424	Y
5	IC 410-250058/4	1.0	1.372054	0.25	134197.0	1.372054	Y
6	IC 410-250058/3	2.5	3.056411	0.25	149367.0	1.222565	Y



Calibration / Benzo(a)pyrene-d12 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

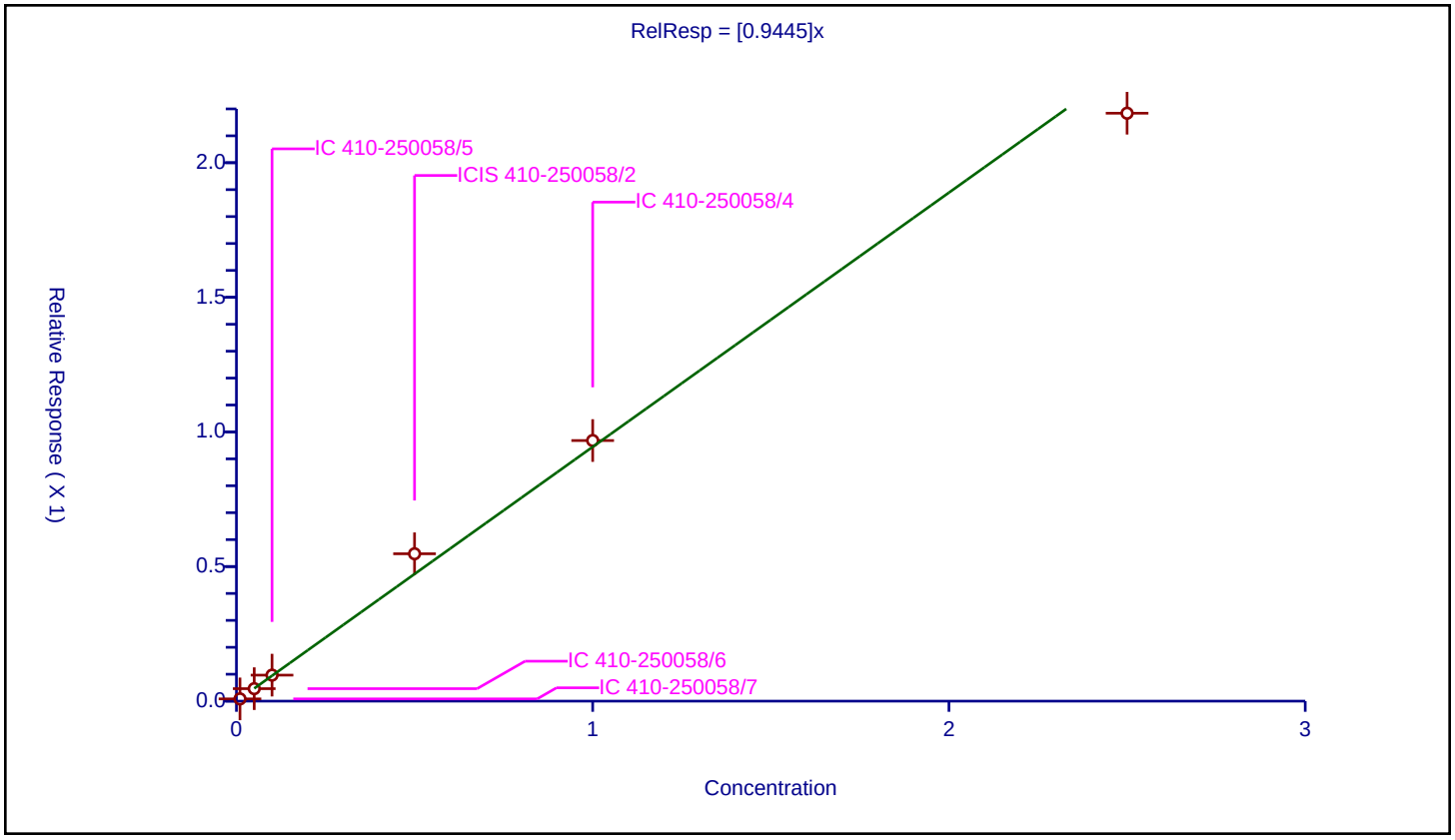
Curve Coefficients

Intercept:	0
Slope:	0.9445

Error Coefficients

Standard Error:	640000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008368	0.25	105556.0	0.83676	Y
2	IC 410-250058/6	0.05	0.046374	0.25	114821.0	0.927487	Y
3	IC 410-250058/5	0.1	0.096617	0.25	120414.0	0.966167	Y
4	ICIS 410-250058/2	0.5	0.547461	0.25	122702.0	1.094921	Y
5	IC 410-250058/4	1.0	0.968012	0.25	134197.0	0.968012	Y
6	IC 410-250058/3	2.5	2.183958	0.25	149367.0	0.873583	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

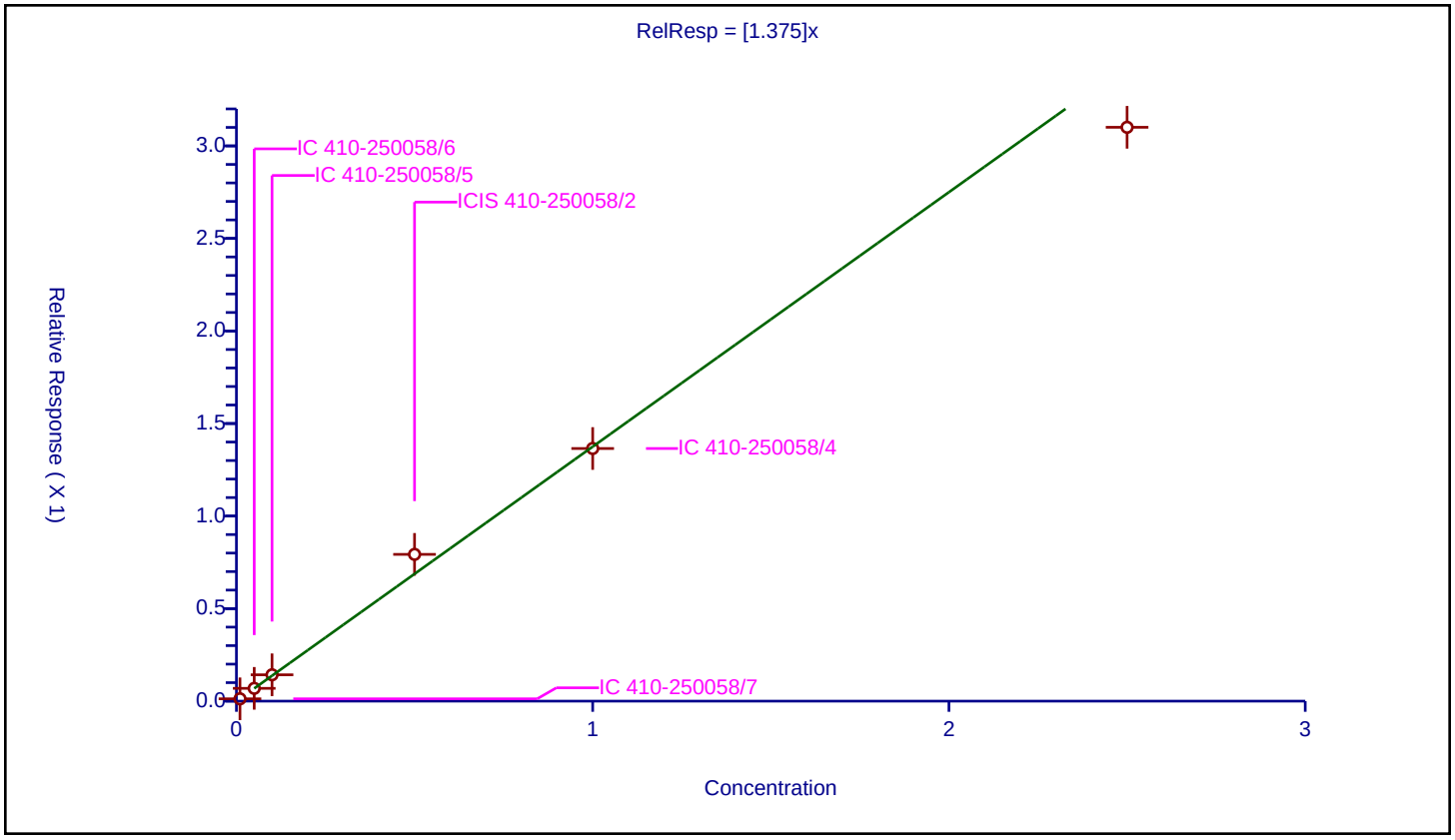
Curve Coefficients

Intercept:	0
Slope:	1.375

Error Coefficients

Standard Error:	908000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.012541	0.25	105556.0	1.254074	Y
2	IC 410-250058/6	0.05	0.069077	0.25	114821.0	1.381542	Y
3	IC 410-250058/5	0.1	0.142326	0.25	120414.0	1.423256	Y
4	ICIS 410-250058/2	0.5	0.792996	0.25	122702.0	1.585993	Y
5	IC 410-250058/4	1.0	1.365085	0.25	134197.0	1.365085	Y
6	IC 410-250058/3	2.5	3.100549	0.25	149367.0	1.24022	Y



Calibration / Perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

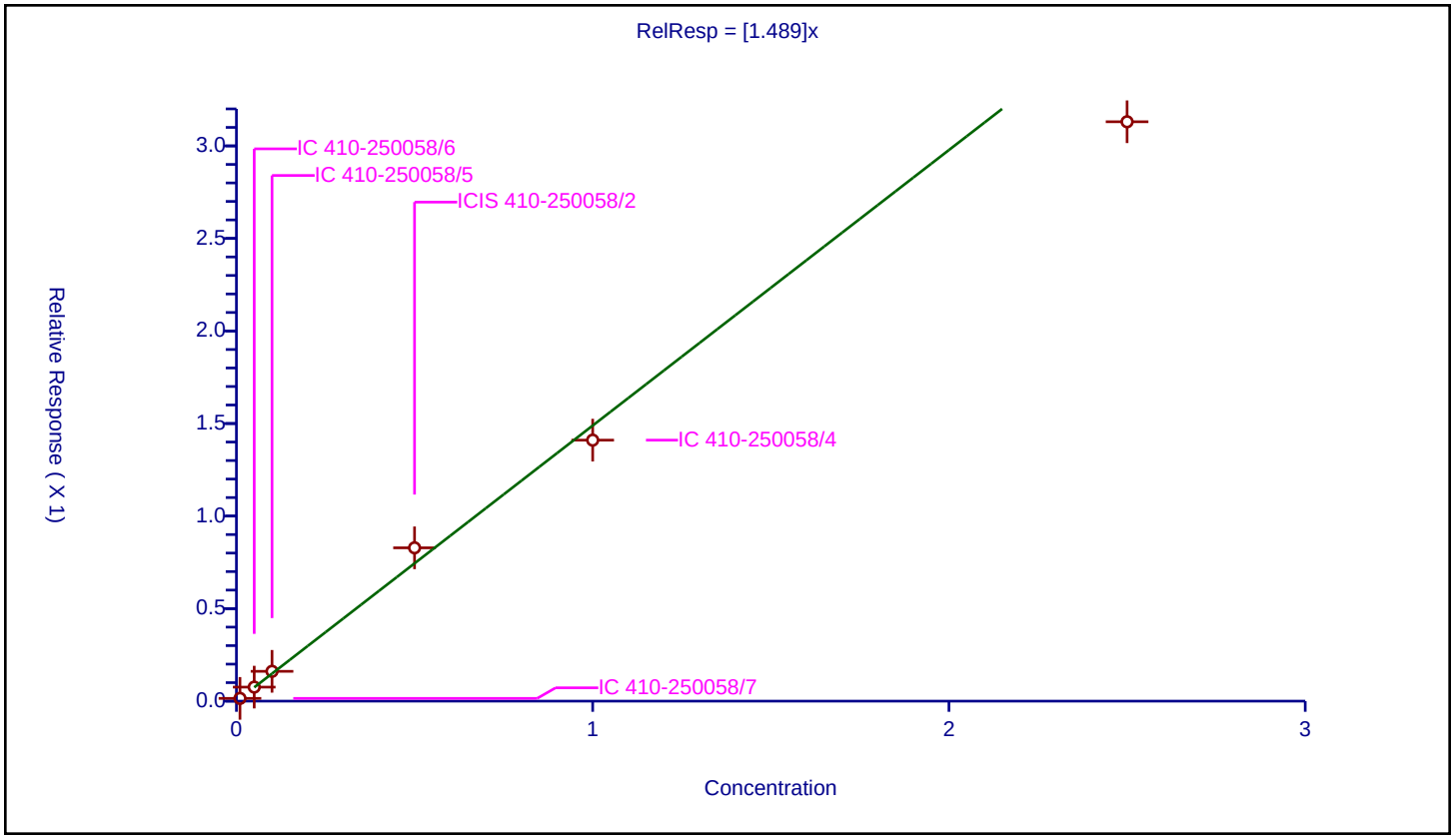
Curve Coefficients

Intercept:	0
Slope:	1.489

Error Coefficients

Standard Error:	921000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.014862	0.25	105556.0	1.486178	Y
2	IC 410-250058/6	0.05	0.075814	0.25	114821.0	1.516273	Y
3	IC 410-250058/5	0.1	0.161148	0.25	120414.0	1.611482	Y
4	ICIS 410-250058/2	0.5	0.828432	0.25	122702.0	1.656864	Y
5	IC 410-250058/4	1.0	1.410279	0.25	134197.0	1.410279	Y
6	IC 410-250058/3	2.5	3.130482	0.25	149367.0	1.252193	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

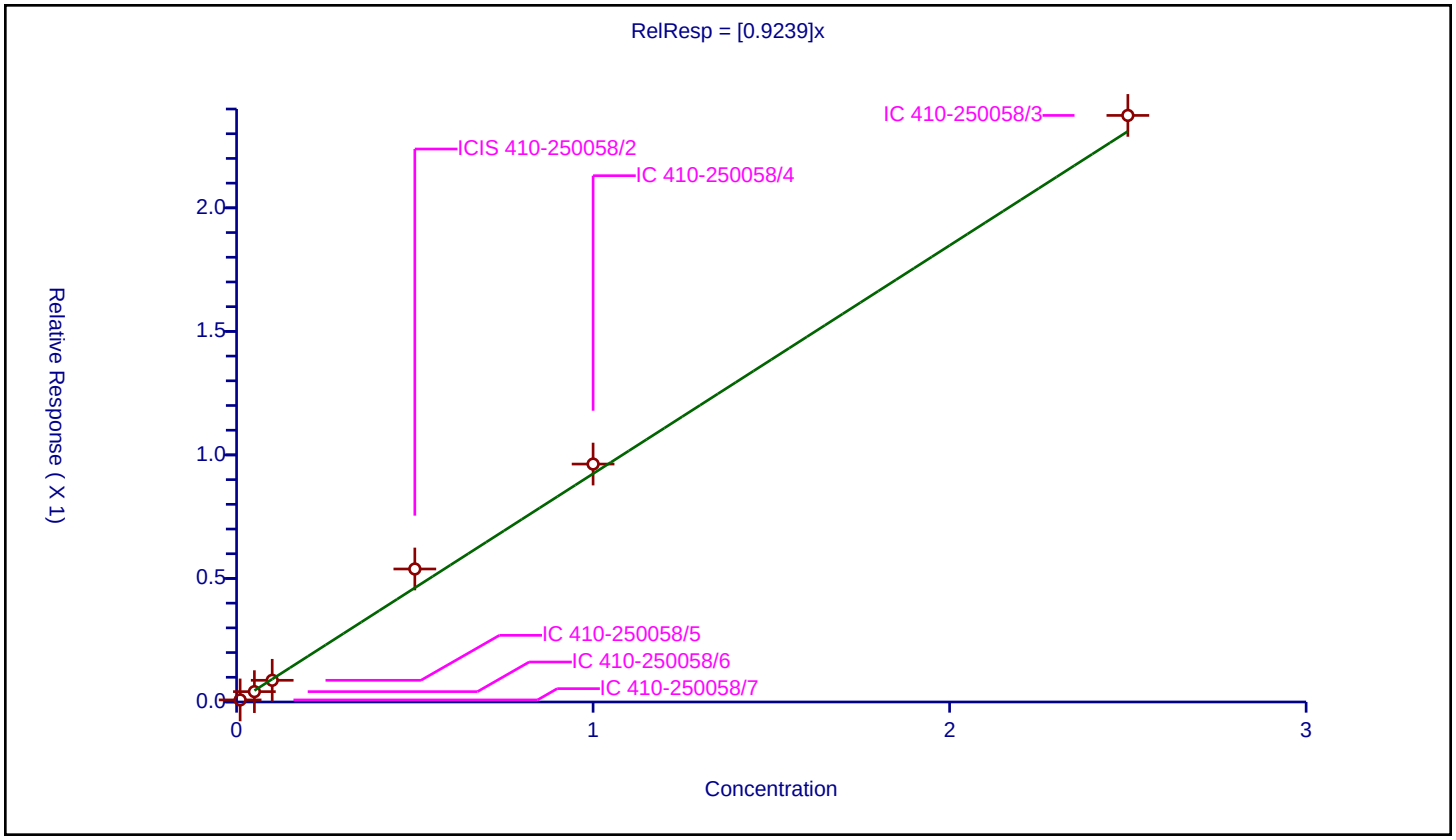
Curve Coefficients

Intercept:	0
Slope:	0.9239

Error Coefficients

Standard Error:	686000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008382	0.25	105556.0	0.838181	Y
2	IC 410-250058/6	0.05	0.0419	0.25	114821.0	0.838	Y
3	IC 410-250058/5	0.1	0.087795	0.25	120414.0	0.87795	Y
4	ICIS 410-250058/2	0.5	0.53828	0.25	122702.0	1.076559	Y
5	IC 410-250058/4	1.0	0.963032	0.25	134197.0	0.963032	Y
6	IC 410-250058/3	2.5	2.374097	0.25	149367.0	0.949639	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

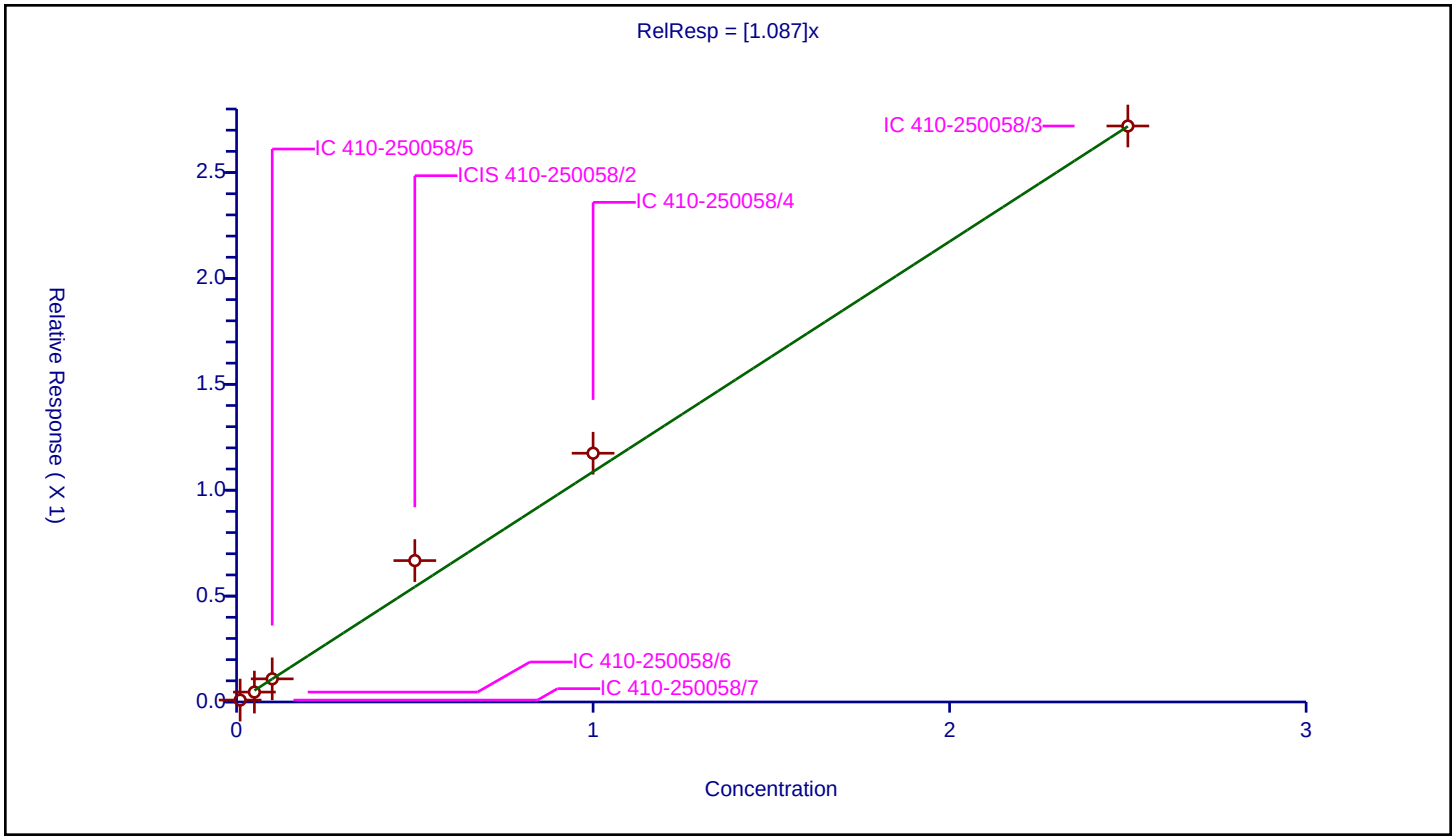
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Standard Error:	794000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.008981	0.25	105556.0	0.898101	Y
2	IC 410-250058/6	0.05	0.046764	0.25	114821.0	0.935282	Y
3	IC 410-250058/5	0.1	0.109213	0.25	120414.0	1.092128	Y
4	ICIS 410-250058/2	0.5	0.667679	0.25	122702.0	1.335357	Y
5	IC 410-250058/4	1.0	1.174581	0.25	134197.0	1.174581	Y
6	IC 410-250058/3	2.5	2.719729	0.25	149367.0	1.087892	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

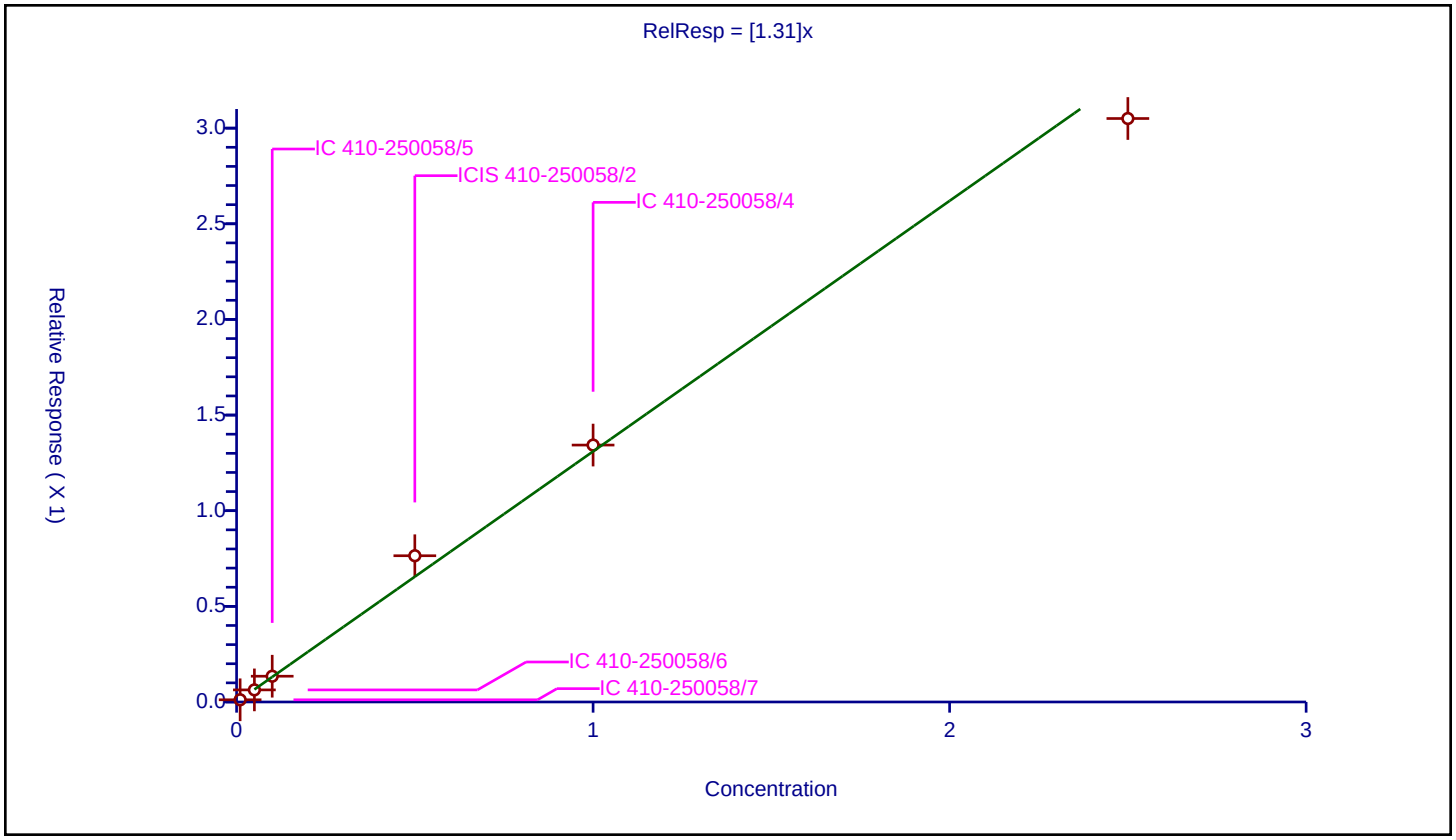
Curve Coefficients

Intercept:	0
Slope:	1.31

Error Coefficients

Standard Error:	893000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-250058/7	0.01	0.011544	0.25	105556.0	1.154364	Y
2	IC 410-250058/6	0.05	0.063229	0.25	114821.0	1.264577	Y
3	IC 410-250058/5	0.1	0.134804	0.25	120414.0	1.348037	Y
4	ICIS 410-250058/2	0.5	0.7646	0.25	122702.0	1.529201	Y
5	IC 410-250058/4	1.0	1.343156	0.25	134197.0	1.343156	Y
6	IC 410-250058/3	2.5	3.050374	0.25	149367.0	1.22015	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-84076-1

SDG No.:

Lab Sample ID (1): ICIS 410-250058/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 04/29/2022 14:59

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.83	24.60

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1401.D				
Injection Date:	29-Apr-2022 14:59:30	Instrument ID:	HP23263		
Lims ID:	ICIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

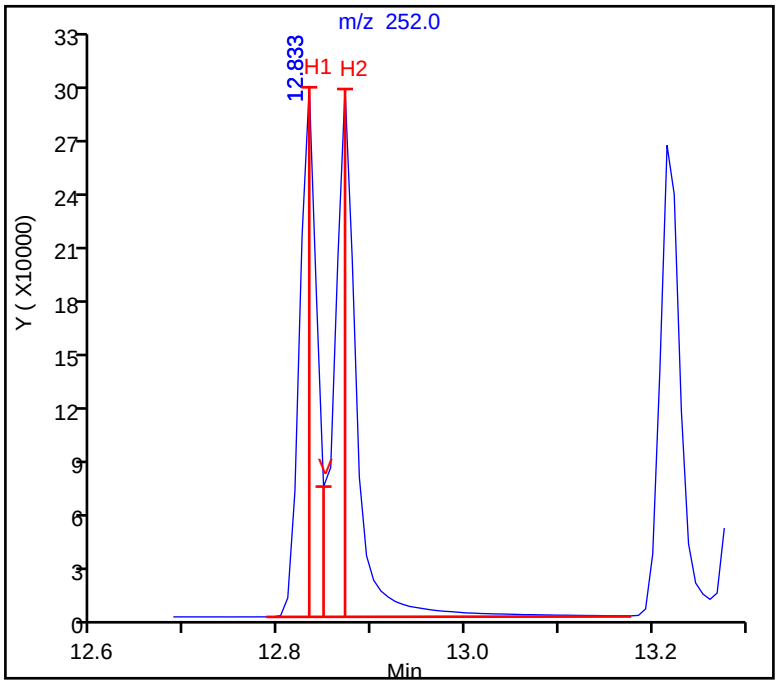
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 71826
H1(33 BenzoBFluor) = 291979
H2(34 BenzoKFluor) = 290997

Version D: %R = 24.6 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-84076-1

SDG No.:

Lab Sample ID (1): ICIS 410-257357/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 05/20/2022 07:20

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.87	16.10

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1201.D				
Injection Date:	20-May-2022 07:20:26	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		

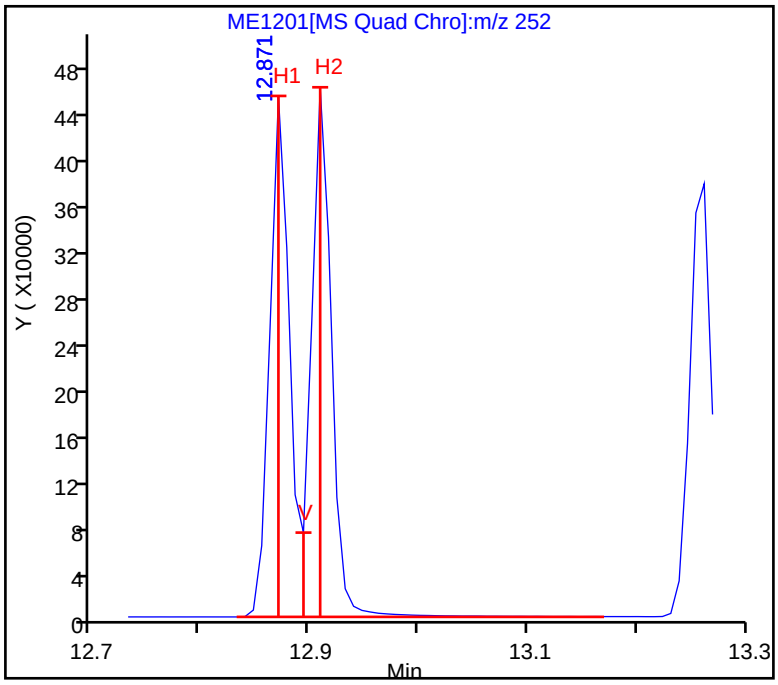
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 73120
H1(33 Benzo[b]fluoranthen) = 451431
H2(34 Benzo[k]fluoranthen) = 458934

Version D: %R = 16.1 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-84076-1

SDG No.:

Lab Sample ID (1): CCVIS 410-257602/2 Instrument ID (1): HP23263

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 05/20/2022 17:41

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.80	19.60

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0551.D				
Injection Date:	20-May-2022 17:41:30	Instrument ID:	HP23263		
Lims ID:	CCVIS 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		

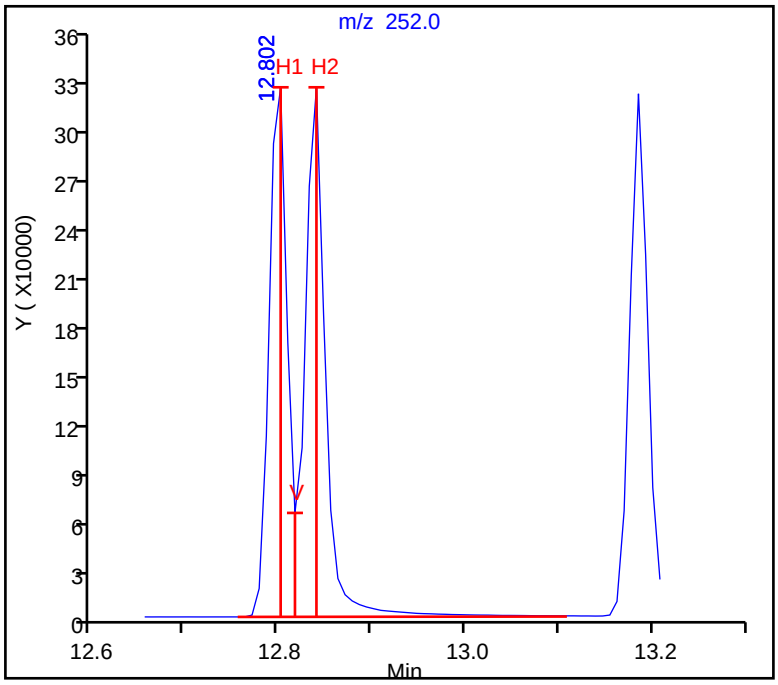
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 63555
H1(33 BenzoBFluor) = 323837
H2(34 BenzoKFluor) = 323812

Version D: %R = 19.6 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-84076-1

SDG No.:

Lab Sample ID (1): CCVIS 410-257935/2 Instrument ID (1): HP21585

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 05/23/2022 07:47

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.87	16.90

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1301.D				
Injection Date:	23-May-2022 07:47:36	Instrument ID:	HP21585		
Lims ID:	CCVIS 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		

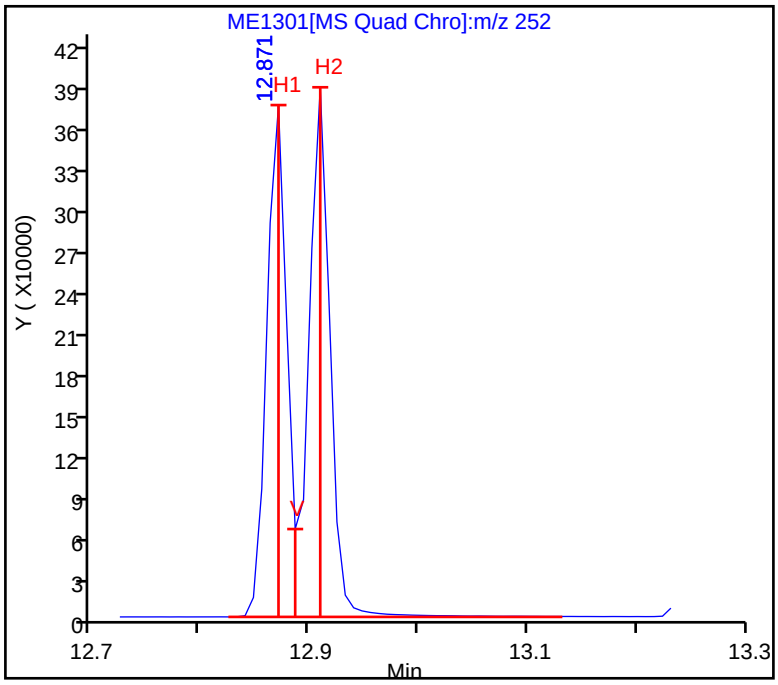
33 Benzo[b]fluoranthene - 34 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 64114
H1(33 Benzo[b]fluoranthen) = 373281
H2(34 Benzo[k]fluoranthen) = 386251

Version D: %R = 16.9 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-257357/9 Calibration Date: 05/20/2022 10:55

Instrument ID: HP21585 Calib Start Date: 05/20/2022 07:20

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/20/2022 09:08

Lab File ID: ME1208a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7054	0.8486		0.301	0.250	20.3	30.0
N-Nitrosodimethylamine	Ave	0.8854	1.011		0.285	0.250	14.1	30.0
Bis(2-chloroethyl)ether	Ave	0.5231	0.4495		0.215	0.250	-14.1	30.0
Naphthalene	Ave	1.390	1.146		0.206	0.250	-17.6	30.0
2-Methylnaphthalene	Ave	0.8713	0.7059		0.203	0.250	-19.0	30.0
1-Methylnaphthalene	Ave	0.8162	0.6571		0.201	0.250	-19.5	30.0
Dimethylphthalate	Ave	1.403	1.518		0.271	0.250	8.2	30.0
Acenaphthylene	Ave	2.359	1.962		0.208	0.250	-16.8	30.0
Acenaphthene	Ave	1.496	1.266		0.212	0.250	-15.4	30.0
Dibenzofuran	Ave	2.367	1.910		0.202	0.250	-19.3	30.0
Diethylphthalate	Ave	1.382	1.458		0.264	0.250	5.5	30.0
Fluorene	Ave	1.813	1.415		0.195	0.250	-22.0	30.0
N-Nitrosodiphenylamine	Ave	0.5870	0.6493		0.235	0.213	10.6	30.0
Hexachlorobenzene	Ave	0.2647	0.2220		0.210	0.250	-16.1	30.0
Phenanthrene	Ave	1.464	1.181		0.202	0.250	-19.3	30.0
Anthracene	Ave	1.355	1.151		0.212	0.250	-15.0	30.0
Di-n-butyl phthalate	Ave	1.134	1.297		0.286	0.250	14.4	30.0
Fluoranthene	Ave	1.599	1.278		0.200	0.250	-20.1	30.0
Pyrene	Ave	2.249	1.737		0.193	0.250	-22.7	30.0
Butylbenzylphthalate	Ave	0.6783	0.7478		0.276	0.250	10.2	30.0
Benzo[a]anthracene	Ave	1.676	1.438		0.215	0.250	-14.2	30.0
Chrysene	Ave	1.876	1.439		0.192	0.250	-23.3	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9356	1.050		0.281	0.250	12.3	30.0
Di-n-octyl phthalate	Ave	1.514	1.653		0.273	0.250	9.1	30.0
Benzo[b]fluoranthene	Ave	1.749	1.440		0.206	0.250	-17.7	30.0
Benzo[k]fluoranthene	Ave	1.814	1.537		0.212	0.250	-15.3	30.0
Benzo[a]pyrene	Ave	1.596	1.313		0.206	0.250	-17.8	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.201	1.125		0.234	0.250	-6.3	30.0
Dibenz(a,h)anthracene	Ave	1.273	1.130		0.222	0.250	-11.2	30.0
Benzo[g,h,i]perylene	Ave	1.446	1.221		0.211	0.250	-15.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1208a.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-May-2022 10:55:45 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0057668-009
Operator ID: jmg00346 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 16:50:07 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1654

First Level Reviewer: luttek Date: 20-May-2022 15:48:42

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	1.760	1.764	-0.004	88	52507	0.2500	0.3007	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	91	62530	0.2500	0.2854	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	80	91015	0.2500	0.2148	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	94	61873	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	202477	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	231958	0.2500	0.2060	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	97	142931	0.2500	0.2026	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	133048	0.2500	0.2013	
11 Dimethyl phthalate	163	7.143	7.143	0.000	75	166385	0.2500	0.2705	
12 Acenaphthylene	152	7.261	7.262	-0.001	99	215075	0.2500	0.2079	
* 13 Acenaphthene-d10	164	7.399	7.399	0.000	86	109626	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	86	138814	0.2500	0.2116	
15 Dibenzofuran	168	7.596	7.596	0.000	96	209440	0.2500	0.2018	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	159871	0.2500	0.2638	
17 Fluorene	166	7.913	7.921	-0.008	100	155082	0.2500	0.1951	
18 N-Nitrosodiphenylamine	169	8.030	8.038	-0.008	98	107652	0.2125	0.2350	a
19 Hexachlorobenzene	284	8.436	8.436	0.000	99	43303	0.2500	0.2097	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	95	195047	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	230277	0.2500	0.2017	
22 Anthracene	178	8.881	8.881	0.000	100	224540	0.2500	0.2124	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	253053	0.2500	0.2860	
25 Fluoranthene	202	9.968	9.969	-0.001	100	249189	0.2500	0.1998	
26 Pyrene	202	10.181	10.182	-0.001	100	260336	0.2500	0.1931	
27 Butyl benzyl phthalate	149	10.854	10.862	-0.008	100	112062	0.2500	0.2756	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	215511	0.2500	0.2145	
* 29 Chrysene-d12	240	11.467	11.475	-0.008	82	149857	0.2500	0.2500	
30 Chrysene	228	11.498	11.506	-0.008	100	215694	0.2500	0.1918	
31 Bis(2-ethylhexyl) phthalate	149	11.536	11.537	0.000	100	157418	0.2500	0.2807	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	239778	0.2500	0.2729	
33 Benzo[b]fluoranthene	252	12.863	12.871	-0.008	100	208927	0.2500	0.2059	

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	12.909	12.909	0.000	100	222984	0.2500	0.2118	
37 Benzo[a]pyrene	252	13.323	13.331	-0.008	100	190446	0.2500	0.2056	
* 38 Perylene-d12	264	13.415	13.416	-0.001	99	145073	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	163259	0.2500	0.2343	M
41 Dibenz(a,h)anthracene	278	15.073	15.080	-0.007	97	163998	0.2500	0.2219	
42 Benzo[g,h,i]perylene	276	15.468	15.475	-0.007	100	177096	0.2500	0.2110	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RVSIM_ICV_00030 Amount Added: 1.00 Units: mL

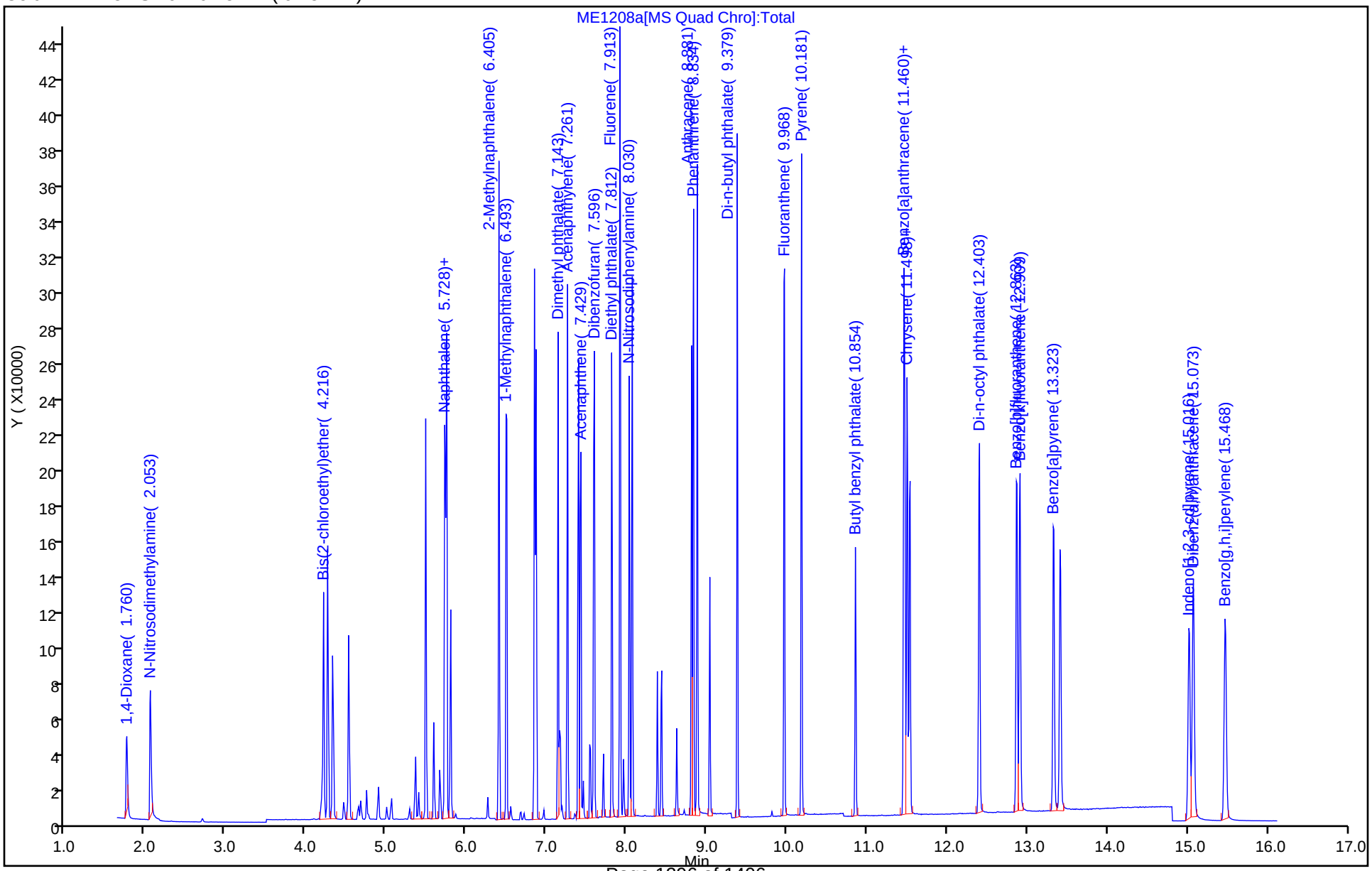
Report Date: 20-May-2022 17:41:02 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1208a.D

Injection Date:	20-May-2022 10:55:45	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	ICV			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

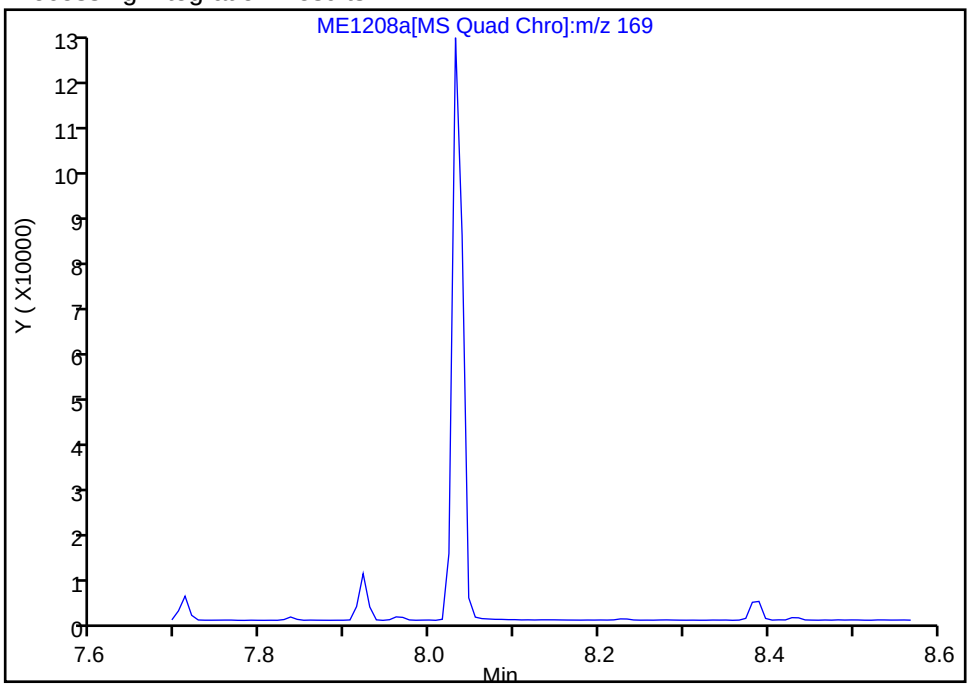
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1208a.D				
Injection Date:	20-May-2022 10:55:45	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

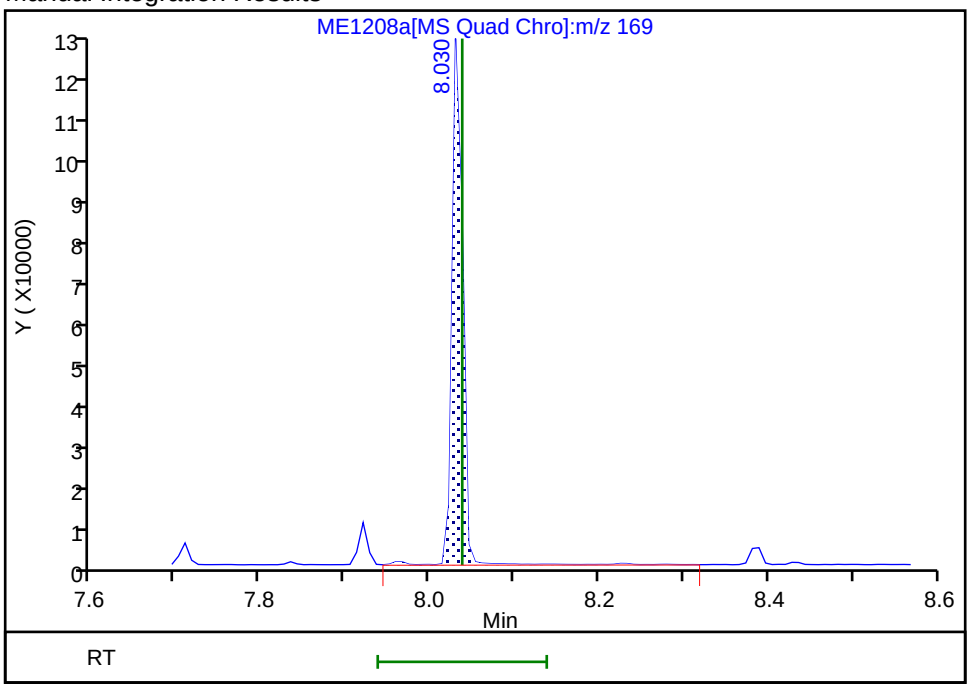
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.03
Area: 107652
Amount: 0.235046
Amount Units: ug/ml



Reviewer: luttek, 20-May-2022 15:41:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

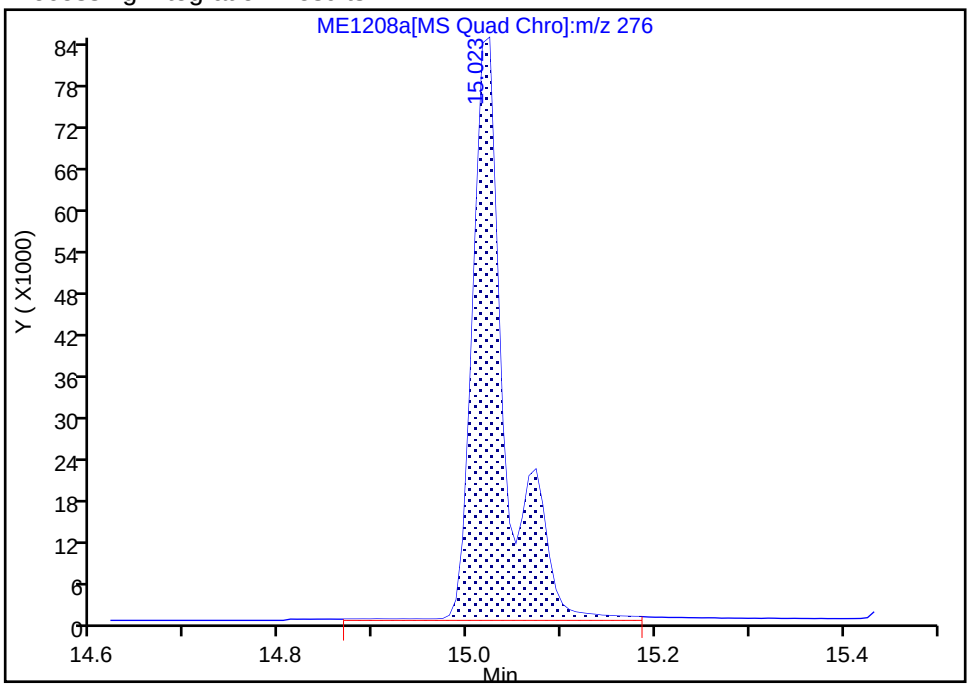
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1208a.D				
Injection Date:	20-May-2022 10:55:45	Instrument ID:	HP21585		
Lims ID:	ICV				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

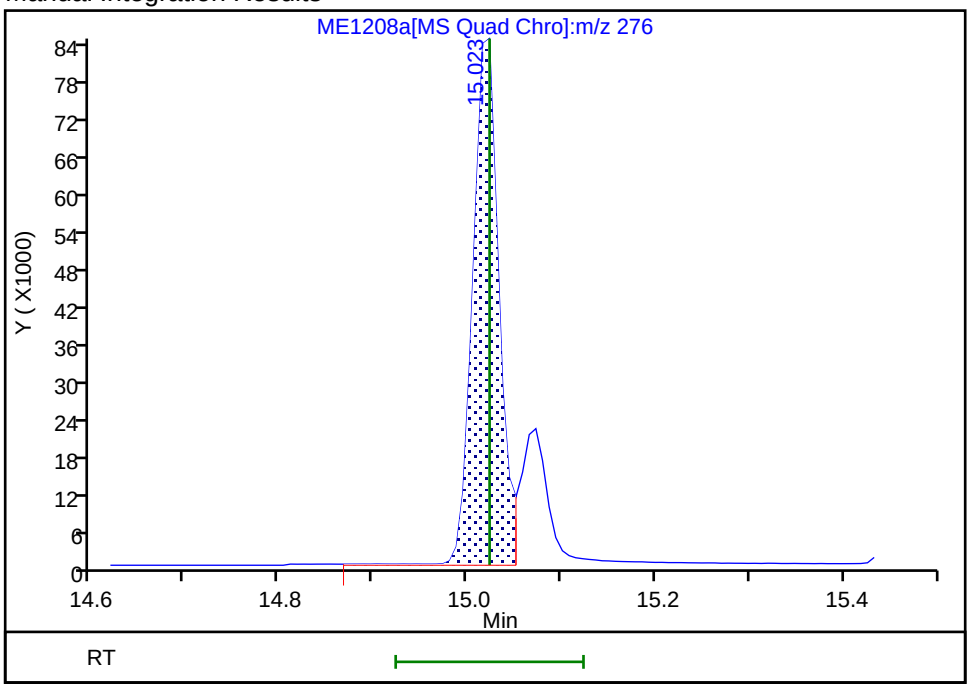
Processing Integration Results

RT: 15.02
Area: 208271
Amount: 0.298946
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 163259
Amount: 0.234337
Amount Units: ug/ml



Reviewer: luttek, 20-May-2022 15:41:45
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.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-257639/4 Calibration Date: 05/20/2022 20:35

Instrument ID: HP21585 Calib Start Date: 05/20/2022 07:20

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/20/2022 09:08

Lab File ID: ME1252.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1-Methylnaphthalene-d10 (Surr)	Ave	0.6244	0.5394		0.173	0.200	-13.6	30.0
Fluoranthene-d10 (Surr)	Ave	1.164	0.9543		0.164	0.200	-18.0	30.0
Benzo(a)pyrene-d12 (Surr)	Ave	1.054	0.8772		0.166	0.200	-16.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57741.b\ME1252.D
Lims ID: ICV SURR
Client ID:
Sample Type: ICV
Inject. Date: 20-May-2022 20:35:07 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0057741-003
Operator ID: kel10217 Instrument ID: HP21585
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57741.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 21:25:39 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1654

First Level Reviewer: luttek Date: 20-May-2022 21:04:43

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	4.541	4.528	0.013	89	61944	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	199541	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	86108	0.2000	0.1728	
* 13 Acenaphthene-d10	164	7.400	7.400	0.000	86	106366	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	94	195544	0.2500	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	149282	0.2000	0.1640	
* 29 Chrysene-d12	240	11.468	11.475	-0.007	56	143236	0.2500	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.293	13.301	-0.008	100	85132	0.2000	0.1664	
* 38 Perylene-d12	264	13.408	13.416	-0.008	100	121310	0.2500	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_ICV_00032 Amount Added: 1.00 Units: mL

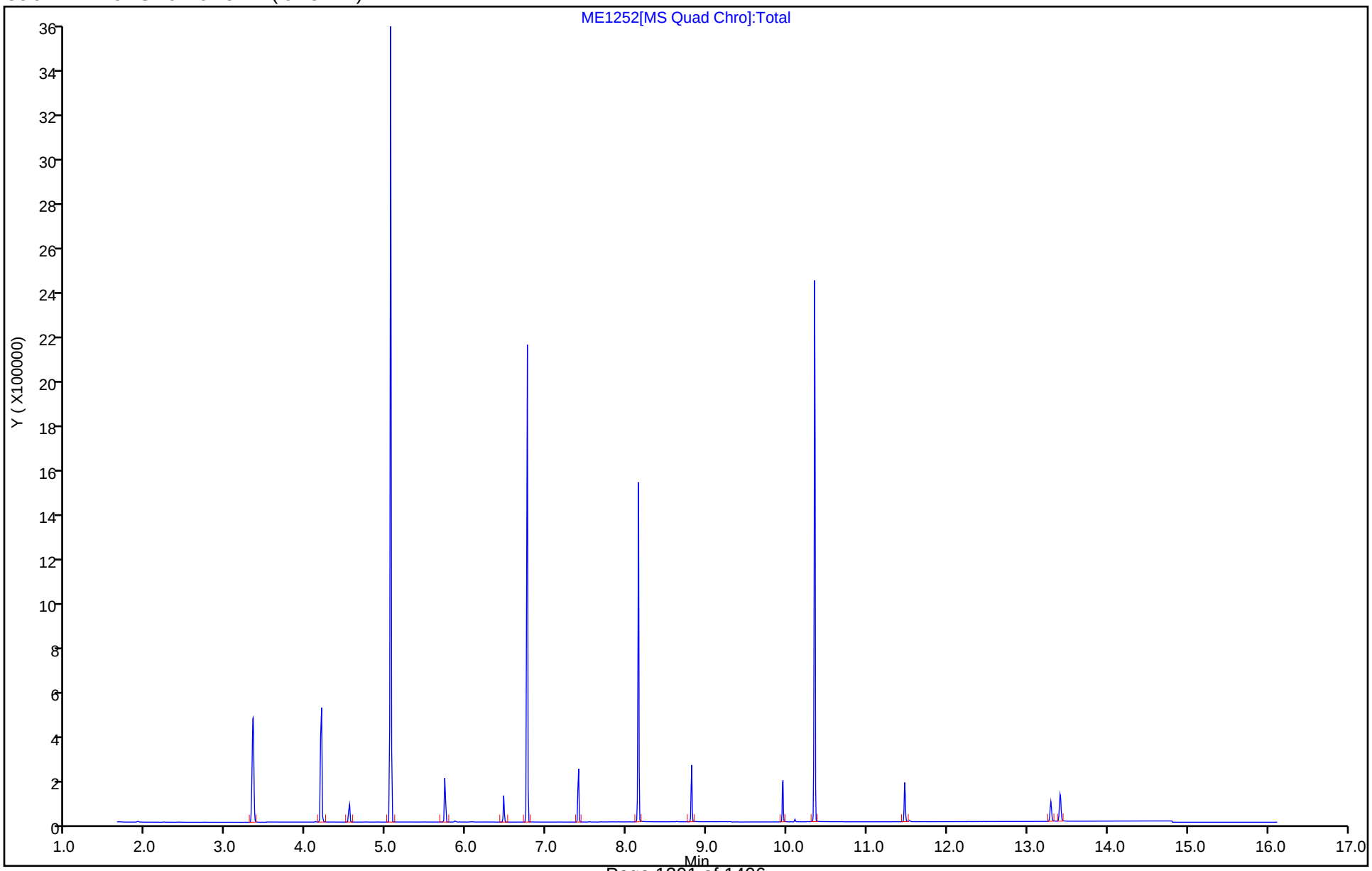
Report Date: 20-May-2022 21:25:42 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57741.b\ME1252.D

Injection Date:	20-May-2022 20:35:07	Instrument ID:	HP21585	Operator ID:	kel10217
Lims ID:	ICV SURR			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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257935/2 Calibration Date: 05/23/2022 07:47

Instrument ID: HP21585 Calib Start Date: 05/20/2022 07:20

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/20/2022 09:08

Lab File ID: ME1301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7054	0.8238		0.584	0.500	16.8	20.0
N-Nitrosodimethylamine	Ave	0.8854	0.9878		0.558	0.500	11.6	20.0
Bis(2-chloroethyl)ether	Ave	0.5231	0.5902		0.564	0.500	12.8	20.0
Naphthalene	Ave	1.390	1.632		0.587	0.500	17.4	20.0
Quinoline	Ave	0.8070	0.9041		0.560	0.500	12.0	20.0
2-Methylnaphthalene	Ave	0.8713	0.9722		0.558	0.500	11.6	20.0
1-Methylnaphthalene	Ave	0.8162	0.9119		0.559	0.500	11.7	20.0
Dimethylphthalate	Ave	1.403	1.471		2.62	2.50	4.9	20.0
Acenaphthylene	Ave	2.359	2.542		0.539	0.500	7.8	20.0
Acenaphthene	Ave	1.496	1.612		0.539	0.500	7.7	20.0
Dibenzofuran	Ave	2.367	2.552		0.539	0.500	7.8	20.0
Diethylphthalate	Ave	1.382	1.439		2.60	2.50	4.1	20.0
Fluorene	Ave	1.813	1.921		0.530	0.500	6.0	20.0
N-Nitrosodiphenylamine	Ave	0.5870	0.6532		0.556	0.500	11.3	20.0
Hexachlorobenzene	Ave	0.2647	0.2858		0.540	0.500	8.0	20.0
Phenanthrene	Ave	1.464	1.571		0.537	0.500	7.3	20.0
Anthracene	Ave	1.355	1.504		0.555	0.500	11.0	20.0
Di-n-butyl phthalate	Ave	1.134	1.312		2.89	2.50	15.7	20.0
Fluoranthene	Ave	1.599	1.713		0.536	0.500	7.1	20.0
Pyrene	Ave	2.249	2.432		0.541	0.500	8.1	20.0
Butylbenzylphthalate	Ave	0.6783	0.7796		2.87	2.50	14.9	20.0
Benzo[a]anthracene	Ave	1.676	1.831		0.546	0.500	9.3	20.0
Chrysene	Ave	1.876	1.994		0.531	0.500	6.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9356	1.109		2.96	2.50	18.5	20.0
Di-n-octyl phthalate	Ave	1.514	1.887		3.12	2.50	24.6*	20.0
Benzo[b]fluoranthene	Ave	1.749	1.854		0.530	0.500	6.0	20.0
Benzo[k]fluoranthene	Ave	1.814	2.068		0.570	0.500	14.0	20.0
Benzo[e]pyrene	Ave	1.667	1.819		0.546	0.500	9.1	20.0
Benzo[a]pyrene	Ave	1.596	1.778		0.557	0.500	11.4	20.0
Perylene	Ave	1.713	1.794		0.524	0.500	4.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.201	1.277		0.532	0.500	6.3	20.0
Dibenz(a,h)anthracene	Ave	1.273	1.287		0.505	0.500	1.0	20.0
Benzo[g,h,i]perylene	Ave	1.446	1.541		0.533	0.500	6.6	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.6244	0.7024		0.563	0.500	12.5	20.0
Fluoranthene-d10 (Surr)	Ave	1.164	1.266		0.544	0.500	8.8	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	1.054	1.164		0.552	0.500	10.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1301.D
Lims ID: CCVIS L4
Client ID:
Sample Type: CCVIS
Inject. Date: 23-May-2022 07:47:36 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0057819-002, 4
Operator ID: jmg00346 Instrument ID: HP21585
Sublist: chrom-8270_SIM_HP21585*sub3

Method: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 08:13:29 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 08:13:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.755	1.755	0.000	88	90201	0.5000	0.5839	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	91	108167	0.5000	0.5579	
3 Bis(2-chloroethyl)ether	93	4.266	4.266	0.000	83	205312	0.5000	0.5642	
* 4 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	99	54749	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.728	5.728	0.000	91	173934	0.2500	0.2500	
6 Naphthalene	128	5.753	5.753	0.000	92	567691	0.5000	0.5868	
7 Quinoline	129	6.066	6.066	0.000	96	314503	0.5000	0.5602	
8 2-Methylnaphthalene	142	6.405	6.405	0.000	98	338187	0.5000	0.5579	
$ 9 1-Methylnaphthalene-d10	152	6.464	6.464	0.000	99	244348	0.5000	0.5625	
10 1-Methylnaphthalene	142	6.503	6.503	0.000	95	317238	0.5000	0.5586	
11 Dimethyl phthalate	163	7.143	7.143	0.000	77	1465243	2.50	2.62	
12 Acenaphthylene	152	7.262	7.262	0.000	99	506525	0.5000	0.5390	
* 13 Acenaphthene-d10	164	7.400	7.400	0.000	87	99614	0.2500	0.2500	
14 Acenaphthene	154	7.429	7.429	0.000	85	321110	0.5000	0.5386	
15 Dibenzofuran	168	7.597	7.597	0.000	83	508463	0.5000	0.5391	
16 Diethyl phthalate	149	7.812	7.812	0.000	100	1433826	2.50	2.60	
17 Fluorene	166	7.913	7.913	0.000	100	382680	0.5000	0.5298	
18 N-Nitrosodiphenylamine	169	8.038	8.038	0.000	99	230898	0.5000	0.5564	
19 Hexachlorobenzene	284	8.436	8.436	0.000	97	101029	0.5000	0.5398	
* 20 Phenanthrene-d10	188	8.811	8.811	0.000	94	176737	0.2500	0.2500	
21 Phenanthrene	178	8.834	8.834	0.000	100	555310	0.5000	0.5367	
22 Anthracene	178	8.881	8.881	0.000	100	531635	0.5000	0.5551	
23 Di-n-butyl phthalate	149	9.379	9.379	0.000	100	2319070	2.50	2.89	
$ 24 Fluoranthene-d10 (Surr)	212	9.950	9.950	0.000	100	447599	0.5000	0.5440	
25 Fluoranthene	202	9.969	9.969	0.000	100	605548	0.5000	0.5357	
26 Pyrene	202	10.182	10.182	0.000	100	639285	0.5000	0.5407	
27 Butyl benzyl phthalate	149	10.854	10.854	0.000	100	1024833	2.50	2.87	
28 Benzo[a]anthracene	228	11.460	11.460	0.000	100	481421	0.5000	0.5464	
* 29 Chrysene-d12	240	11.475	11.475	0.000	67	131448	0.2500	0.2500	
30 Chrysene	228	11.498	11.498	0.000	100	524106	0.5000	0.5313	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Bis(2-ethylhexyl) phthalate	149	11.537	11.537	0.000	100	1457593	2.50	2.96	
32 Di-n-octyl phthalate	149	12.403	12.403	0.000	100	2374007	2.50	3.12	
33 Benzo[b]fluoranthene	252	12.871	12.871	0.000	100	466544	0.5000	0.5301	
34 Benzo[k]fluoranthene	252	12.909	12.909	0.000	100	520417	0.5000	0.5701	
35 Benzo[e]pyrene	252	13.255	13.255	0.000	100	457805	0.5000	0.5456	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.301	13.301	0.000	100	292940	0.5000	0.5521	
37 Benzo[a]pyrene	252	13.331	13.331	0.000	100	447338	0.5000	0.5568	
* 38 Perylene-d12	264	13.416	13.416	0.000	99	125809	0.2500	0.2500	
39 Perylene	252	13.446	13.446	0.000	100	451406	0.5000	0.5235	
40 Indeno[1,2,3-cd]pyrene	276	15.023	15.023	0.000	98	321262	0.5000	0.5317	M
41 Dibenz(a,h)anthracene	278	15.073	15.073	0.000	97	323753	0.5000	0.5052	
42 Benzo[g,h,i]perylene	276	15.475	15.475	0.000	100	387807	0.5000	0.5328	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_4_00022 Amount Added: 1.00 Units: mL

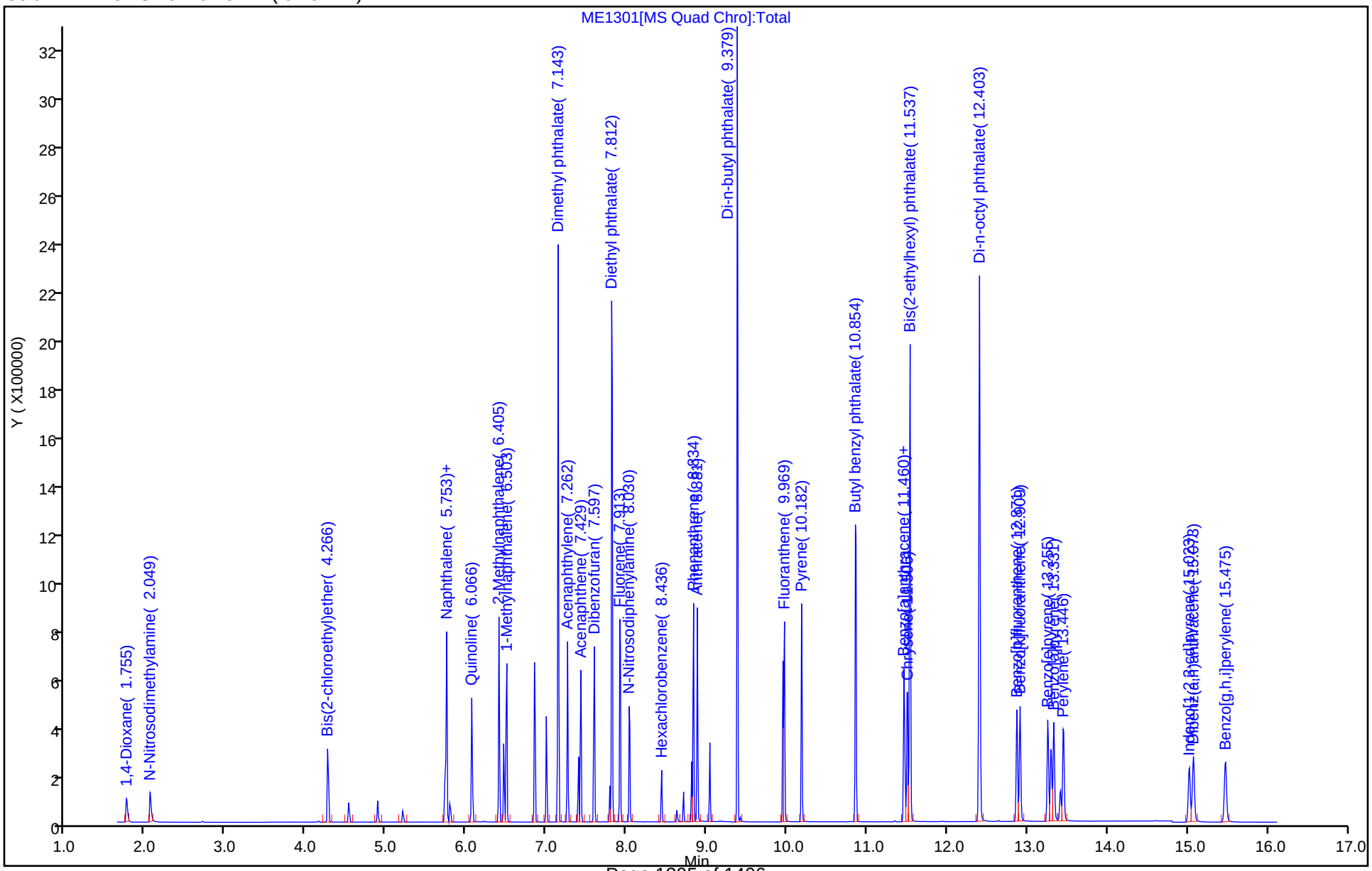
Report Date: 23-May-2022 08:13:30 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1301.D

Injection Date:	23-May-2022 07:47:36	Instrument ID:	HP21585	Operator ID:	jmg00346
Lims ID:	CCVIS 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

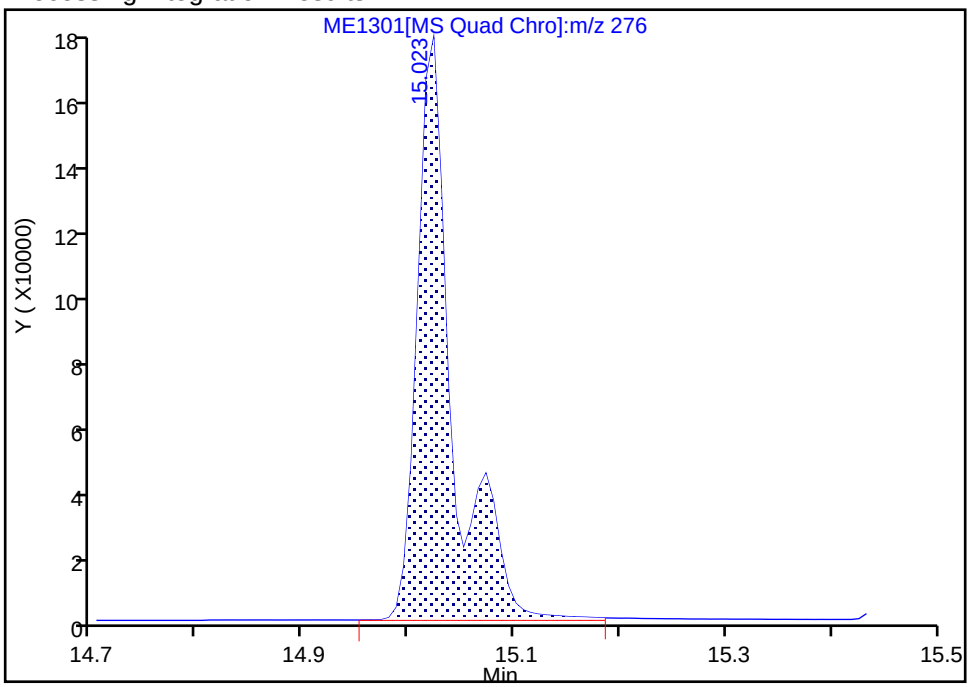
Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1301.D				
Injection Date:	23-May-2022 07:47:36	Instrument ID:	HP21585		
Lims ID:	CCVIS L4				
Client ID:					
Operator ID:	jmg00346	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP21585	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

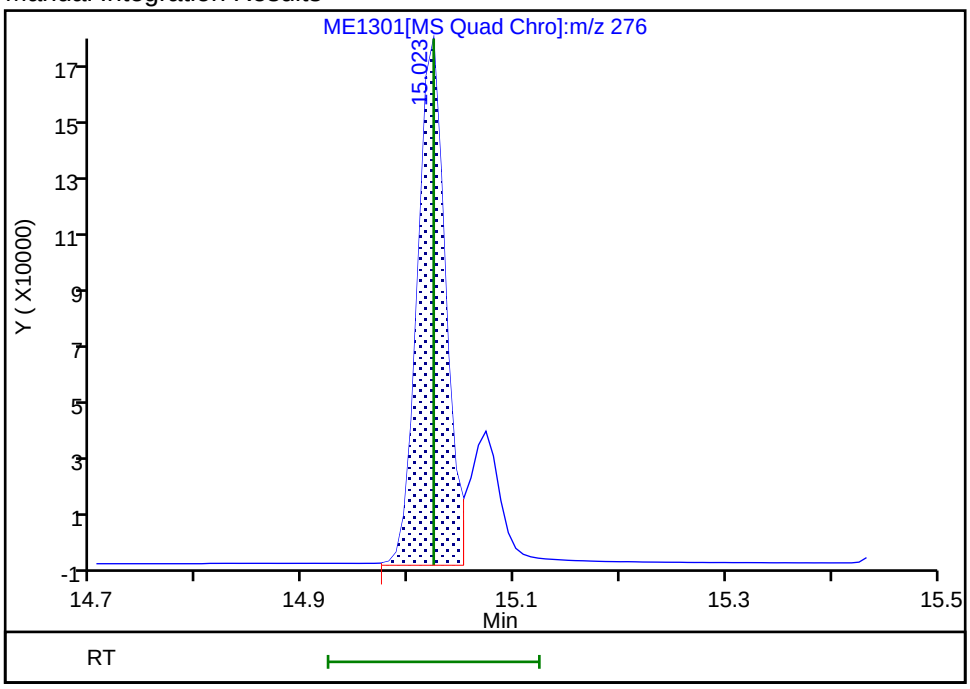
Processing Integration Results

RT: 15.02
Area: 408963
Amount: 0.676897
Amount Units: ug/ml



Manual Integration Results

RT: 15.02
Area: 321262
Amount: 0.531738
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 08:12:48

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250058/9 Calibration Date: 04/29/2022 17:47

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: ND1408.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6943	0.5915		0.426	0.500	-14.8	30.0
N-Nitrosodimethylamine	Ave	0.7701	0.8811		0.572	0.500	14.4	30.0
Bis(2-chloroethyl)ether	Ave	0.4806	0.4446		0.463	0.500	-7.5	30.0
Naphthalene	Ave	1.252	1.143		0.456	0.500	-8.7	30.0
2-Methylnaphthalene	Ave	0.7521	0.6546		0.435	0.500	-13.0	30.0
1-Methylnaphthalene	Ave	0.6832	0.6076		0.445	0.500	-11.1	30.0
Dimethylphthalate	Ave	1.121	1.379		0.615	0.500	23.0	30.0
Acenaphthylene	Ave	2.305	2.033		0.441	0.500	-11.8	30.0
Acenaphthene	Ave	1.376	1.121		0.407	0.500	-18.6	30.0
Dibenzofuran	Ave	2.115	1.864		0.441	0.500	-11.9	30.0
Diethylphthalate	Ave	1.136	1.396		0.614	0.500	22.9	30.0
Fluorene	Ave	1.527	1.340		0.439	0.500	-12.3	30.0
N-Nitrosodiphenylamine	Ave	0.5401	0.6405		0.504	0.425	18.6	30.0
Hexachlorobenzene	Ave	0.2995	0.2575		0.430	0.500	-14.0	30.0
Phenanthrene	Ave	1.322	1.108		0.419	0.500	-16.2	30.0
Anthracene	Ave	1.247	1.078		0.432	0.500	-13.6	30.0
Di-n-butyl phthalate	Ave	0.9268	1.064		0.574	0.500	14.9	30.0
Fluoranthene	Ave	1.264	1.100		0.435	0.500	-13.0	30.0
Pyrene	Ave	2.018	1.695		0.420	0.500	-16.0	30.0
Butylbenzylphthalate	Ave	0.5179	0.5387		0.520	0.500	4.0	30.0
Benzo[a]anthracene	Ave	1.444	1.312		0.454	0.500	-9.1	30.0
Chrysene	Ave	1.643	1.435		0.437	0.500	-12.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6716	0.6679		0.497	0.500	-0.5	30.0
Di-n-octyl phthalate	Ave	1.051	1.053		0.501	0.500	0.2	30.0
Benzo[b]fluoranthene	Ave	1.294	1.254		0.485	0.500	-3.1	30.0
Benzo[k]fluoranthene	Ave	1.669	1.706		0.511	0.500	2.2	30.0
Benzo[a]pyrene	Ave	1.375	1.313		0.477	0.500	-4.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9239	0.8796		0.476	0.500	-4.8	30.0
Dibenz(a,h)anthracene	Ave	1.087	1.062		0.489	0.500	-2.3	30.0
Benzo[g,h,i]perylene	Ave	1.310	1.266		0.483	0.500	-3.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1408.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 29-Apr-2022 17:47:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0056077-009
Operator ID: whs02991 Instrument ID: HP23263
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:46 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 18:27:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.720	1.733	-0.013	95	98526	0.5000	0.4259	
2 N-Nitrosodimethylamine	74	2.022	2.057	-0.035	87	146770	0.5000	0.5721	
3 Bis(2-chloroethyl)ether	93	4.244	4.257	-0.013	99	235947	0.5000	0.4626	
* 4 1,4-Dichlorobenzene-d4	152	4.507	4.507	0.000	100	83289	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	265335	0.2500	0.2500	
6 Naphthalene	128	5.719	5.719	0.000	100	606534	0.5000	0.4563	
8 2-Methylnaphthalene	142	6.377	6.379	-0.002	95	347386	0.5000	0.4352	
10 1-Methylnaphthalene	142	6.467	6.469	-0.002	99	322441	0.5000	0.4447	
11 Dimethyl phthalate	163	7.108	7.110	-0.002	99	335545	0.5000	0.6150	
12 Acenaphthylene	152	7.228	7.230	-0.002	97	494861	0.5000	0.4411	
* 13 Acenaphthene-d10	164	7.368	7.360	0.008	92	121689	0.2500	0.2500	
14 Acenaphthene	154	7.388	7.390	-0.002	96	272744	0.5000	0.4072	
15 Dibenzofuran	168	7.558	7.561	-0.003	72	453688	0.5000	0.4406	
16 Diethyl phthalate	149	7.782	7.777	0.005	98	339740	0.5000	0.6143	
17 Fluorene	166	7.883	7.885	-0.002	99	326037	0.5000	0.4387	
18 N-Nitrosodiphenylamine	169	7.998	8.001	-0.003	97	220974	0.4250	0.5040	
19 Hexachlorobenzene	284	8.400	8.402	-0.002	90	104503	0.5000	0.4298	
* 20 Phenanthrene-d10	188	8.771	8.773	-0.002	100	202939	0.2500	0.2500	
21 Phenanthrene	178	8.794	8.796	-0.002	100	449861	0.5000	0.4190	
22 Anthracene	178	8.840	8.842	-0.002	100	437394	0.5000	0.4321	
23 Di-n-butyl phthalate	149	9.342	9.337	0.005	100	432017	0.5000	0.5743	
25 Fluoranthene	202	9.925	9.926	-0.001	95	446539	0.5000	0.4351	
26 Pyrene	202	10.138	10.139	-0.001	96	453932	0.5000	0.4199	
27 Butyl benzyl phthalate	149	10.814	10.808	0.006	100	144279	0.5000	0.5201	
28 Benzo[a]anthracene	228	11.413	11.414	-0.001	99	351389	0.5000	0.4544	
* 29 Chrysene-d12	240	11.428	11.429	-0.001	97	133914	0.2500	0.2500	
30 Chrysene	228	11.459	11.460	-0.001	100	384297	0.5000	0.4367	
31 Bis(2-ethylhexyl) phthalate	149	11.489	11.490	-0.001	99	178895	0.5000	0.4973	
32 Di-n-octyl phthalate	149	12.364	12.357	0.007	100	252453	0.5000	0.5008	
33 Benzo[b]fluoranthene	252	12.832	12.832	0.000	100	300713	0.5000	0.4845	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.870	12.871	-0.001	100	409048	0.5000	0.5110	
37 Benzo[a]pyrene	252	13.292	13.293	-0.001	100	314796	0.5000	0.4774	
* 38 Perylene-d12	264	13.376	13.377	-0.001	97	119885	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.987	14.988	-0.001	98	210904	0.5000	0.4760	
41 Dibenz(a,h)anthracene	278	15.044	15.044	0.000	98	254693	0.5000	0.4885	
42 Benzo[g,h,i]perylene	276	15.447	15.440	0.007	99	303526	0.5000	0.4832	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_ICV_00029 Amount Added: 1.00 Units: mL

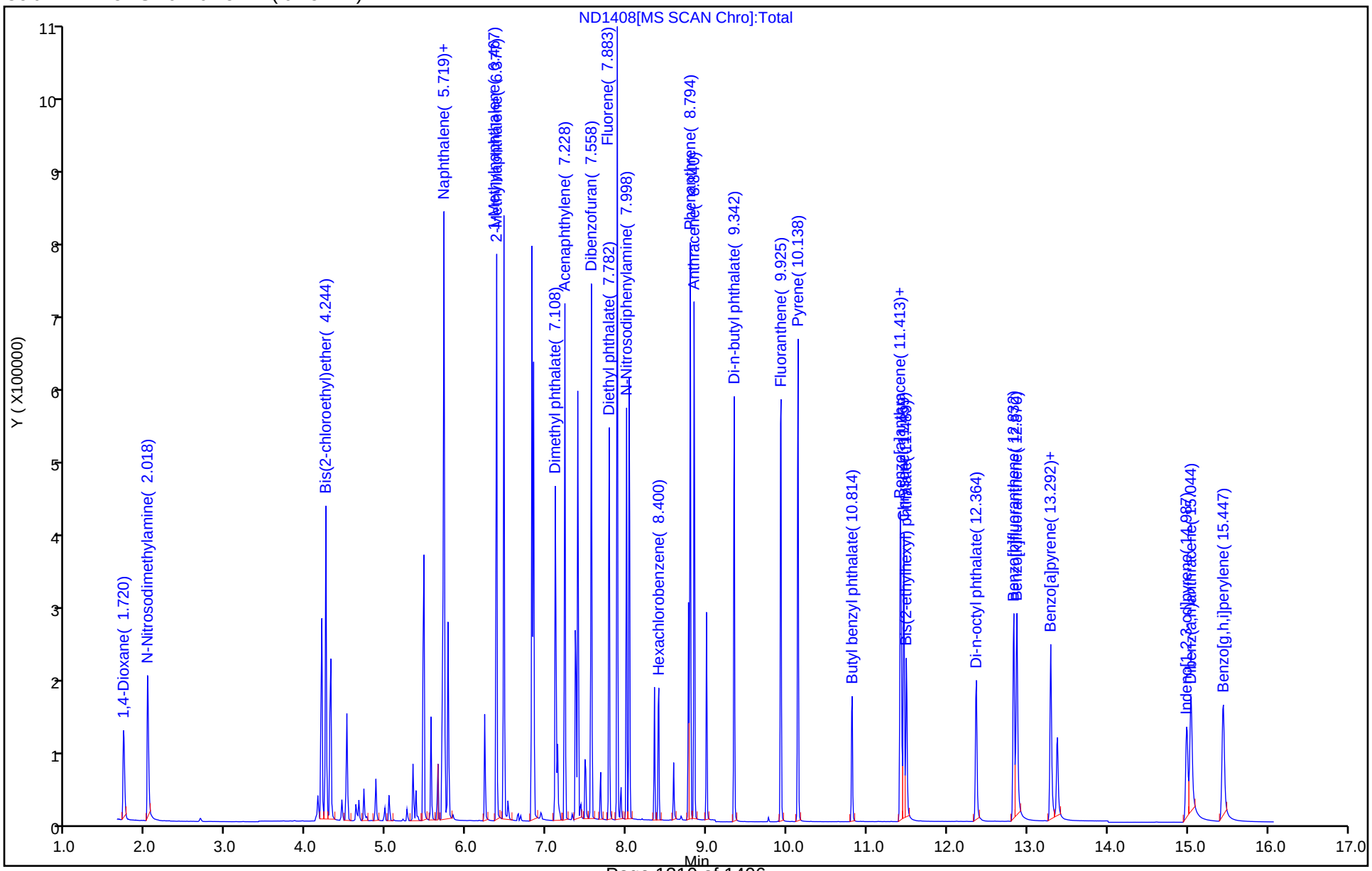
Report Date: 29-Apr-2022 18:28:03 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1408.D

Injection Date:	29-Apr-2022 17:47:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	ICV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: ICV 410-250058/10 Calibration Date: 04/29/2022 18:08

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: ND1409.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1-Methylnaphthalene-d10 (Surr)	Ave	0.5450	0.5421		0.199	0.200	-0.5	30.0
Fluoranthene-d10 (Surr)	Ave	1.012	0.9551		0.189	0.200	-5.7	30.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9445	0.8682		0.184	0.200	-8.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1409.D
Lims ID: ICV SS
Client ID:
Sample Type: ICV
Inject. Date: 29-Apr-2022 18:08:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV SS
Misc. Info.: 410-0056077-010
Operator ID: whs02991 Instrument ID: HP23263
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 16:29:19 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 18:31:16

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	4.507	4.507	0.000	78	84699	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.706	5.706	0.000	100	284078	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.439	6.439	0.000	98	123204	0.2000	0.1990	
* 13 Acenaphthene-d10	164	7.360	7.360	0.000	89	130791	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.773	8.773	0.000	100	203204	0.2500	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.907	9.907	0.000	97	155262	0.2000	0.1887	
* 29 Chrysene-d12	240	11.429	11.429	0.000	82	135873	0.2500	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.254	13.254	0.000	99	87943	0.2000	0.1838	
* 38 Perylene-d12	264	13.377	13.377	0.000	96	126624	0.2500	0.2500	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_ICV_00027 Amount Added: 1.00 Units: mL

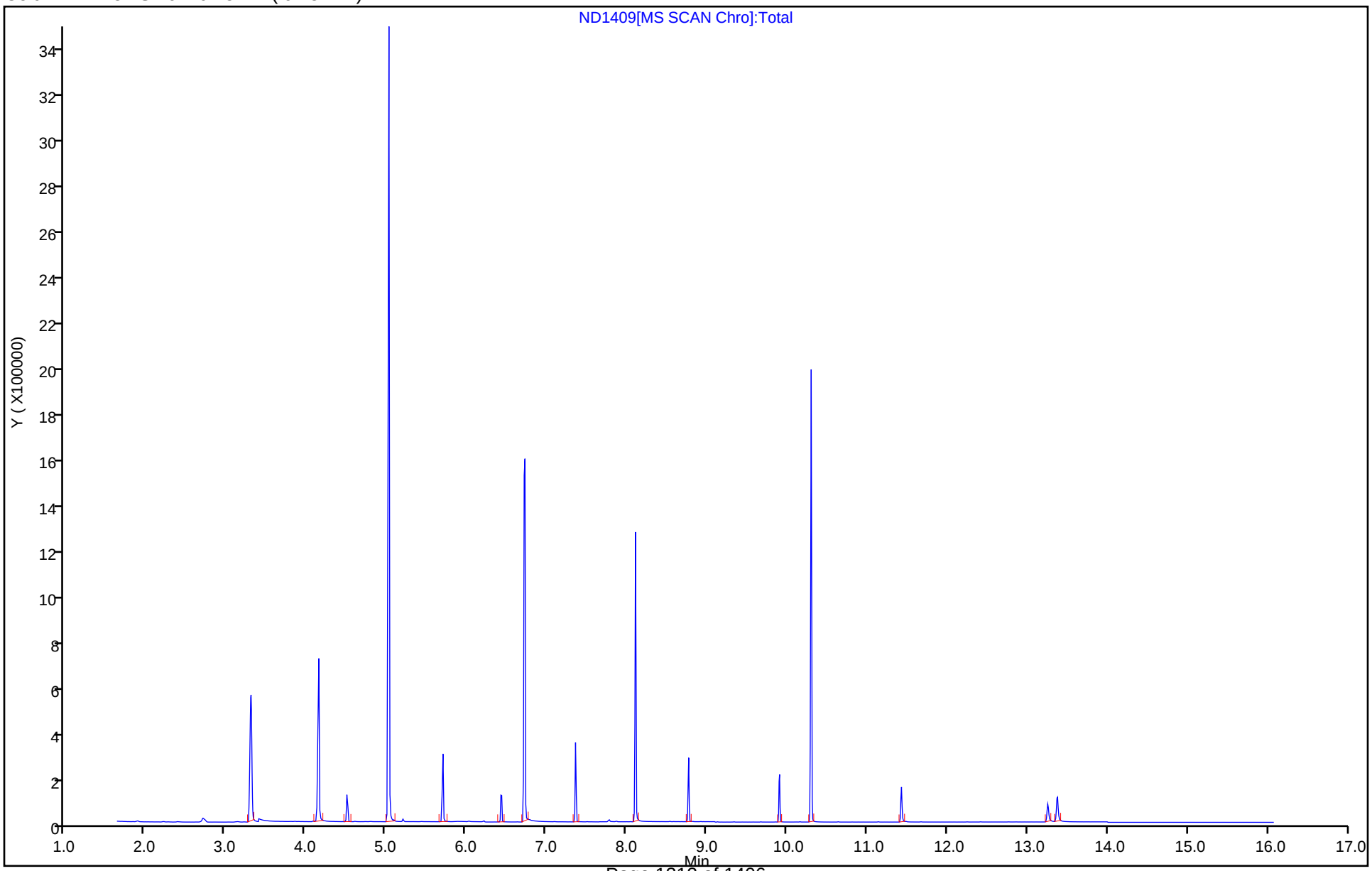
Report Date: 29-Apr-2022 18:31:23 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1409.D

Injection Date:	29-Apr-2022 18:08:30	Instrument ID:	HP23263	Operator ID:	whs02991
Lims ID:	ICV SS			Worklist Smp#:	10
Client ID:					
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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Lab Sample ID: CCVIS 410-257602/2 Calibration Date: 05/20/2022 17:41

Instrument ID: HP23263 Calib Start Date: 04/29/2022 14:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/29/2022 17:03

Lab File ID: 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	0.6943	0.7698		0.554	0.500	10.9	20.0
N-Nitrosodimethylamine	Ave	0.7701	0.9442		0.613	0.500	22.6*	20.0
Bis(2-chloroethyl)ether	Ave	0.4806	0.4897		0.509	0.500	1.9	20.0
Naphthalene	Ave	1.252	1.217		0.486	0.500	-2.9	20.0
Quinoline	Ave	0.7107	0.8055		0.567	0.500	13.3	20.0
2-Methylnaphthalene	Ave	0.7521	0.7851		0.522	0.500	4.4	20.0
1-Methylnaphthalene	Ave	0.6832	0.6997		0.512	0.500	2.4	20.0
Dimethylphthalate	Ave	1.121	1.185		2.64	2.50	5.7	20.0
Acenaphthylene	Ave	2.305	2.525		0.548	0.500	9.6	20.0
Acenaphthene	Ave	1.376	1.513		0.550	0.500	10.0	20.0
Dibenzofuran	Ave	2.115	2.327		0.550	0.500	10.0	20.0
Diethylphthalate	Ave	1.136	1.222		2.69	2.50	7.6	20.0
Fluorene	Ave	1.527	1.720		0.563	0.500	12.7	20.0
N-Nitrosodiphenylamine	Ave	0.5401	0.6387		0.591	0.500	18.3	20.0
Hexachlorobenzene	Ave	0.2995	0.3155		0.527	0.500	5.3	20.0
Phenanthrene	Ave	1.322	1.392		0.526	0.500	5.3	20.0
Anthracene	Ave	1.247	1.325		0.531	0.500	6.2	20.0
Di-n-butyl phthalate	Ave	0.9268	1.036		2.79	2.50	11.8	20.0
Fluoranthene	Ave	1.264	1.395		0.552	0.500	10.3	20.0
Pyrene	Ave	2.018	1.968		0.488	0.500	-2.5	20.0
Butylbenzylphthalate	Ave	0.5179	0.6142		2.96	2.50	18.6	20.0
Benzo[a]anthracene	Ave	1.444	1.651		0.572	0.500	14.4	20.0
Chrysene	Ave	1.643	1.712		0.521	0.500	4.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6716	0.8230		3.06	2.50	22.5*	20.0
Di-n-octyl phthalate	Ave	1.051	1.326		3.15	2.50	26.2*	20.0
Benzo[b]fluoranthene	Ave	1.294	1.568		0.606	0.500	21.1*	20.0
Benzo[k]fluoranthene	Ave	1.669	1.787		0.535	0.500	7.1	20.0
Benzo[e]pyrene	Ave	1.415	1.573		0.556	0.500	11.2	20.0
Benzo[a]pyrene	Ave	1.375	1.539		0.560	0.500	11.9	20.0
Perylene	Ave	1.489	1.563		0.525	0.500	5.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9239	1.109		0.600	0.500	20.0	20.0
Dibenz(a,h)anthracene	Ave	1.087	1.247		0.573	0.500	14.7	20.0
Benzo[g,h,i]perylene	Ave	1.310	1.418		0.541	0.500	8.3	20.0
1-Methylnaphthalene-d10 (Surr)	Ave	0.5450	0.5695		0.522	0.500	4.5	20.0
Fluoranthene-d10 (Surr)	Ave	1.012	1.167		0.576	0.500	15.3	20.0
Benzo(a)pyrene-d12 (Surr)	Ave	0.9445	1.122		0.594	0.500	18.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0551.D
Lims ID: CCVIS L4
Client ID:
Sample Type: CCVIS
Inject. Date: 20-May-2022 17:41:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0057731-002
Operator ID: kel10217 Instrument ID: HP23263
Sublist: chrom-8270_SIM_HP23263*sub3

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 18:42:50 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1654

First Level Reviewer: luttek Date: 20-May-2022 18:05:36

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	1.694	1.694	0.000	92	100048	0.5000	0.5544	
2 N-Nitrosodimethylamine	74	2.001	2.001	0.000	86	122712	0.5000	0.6130	
3 Bis(2-chloroethyl)ether	93	4.232	4.232	0.000	93	232344	0.5000	0.5094	
* 4 1,4-Dichlorobenzene-d4	152	4.494	4.494	0.000	95	64982	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	100	237251	0.2500	0.2500	
6 Naphthalene	128	5.706	5.706	0.000	99	577262	0.5000	0.4857	
7 Quinoline	129	6.019	6.019	0.000	100	382209	0.5000	0.5667	
8 2-Methylnaphthalene	142	6.359	6.359	0.000	94	372554	0.5000	0.5220	
$ 9 1-Methylnaphthalene-d10	152	6.419	6.419	0.000	98	270213	0.5000	0.5225	
10 1-Methylnaphthalene	142	6.449	6.449	0.000	98	331996	0.5000	0.5121	
11 Dimethyl phthalate	163	7.090	7.090	0.000	99	1186870	2.50	2.64	
12 Acenaphthylene	152	7.210	7.210	0.000	95	505795	0.5000	0.5478	
* 13 Acenaphthene-d10	164	7.341	7.341	0.000	88	100151	0.2500	0.2500	
14 Acenaphthene	154	7.371	7.371	0.000	98	303031	0.5000	0.5498	
15 Dibenzofuran	168	7.541	7.541	0.000	69	466073	0.5000	0.5500	
16 Diethyl phthalate	149	7.761	7.761	0.000	99	1223803	2.50	2.69	
17 Fluorene	166	7.862	7.862	0.000	100	344541	0.5000	0.5633	
18 N-Nitrosodiphenylamine	169	7.978	7.978	0.000	100	220237	0.5000	0.5913	
19 Hexachlorobenzene	284	8.379	8.379	0.000	92	108769	0.5000	0.5266	
* 20 Phenanthrene-d10	188	8.750	8.750	0.000	100	172397	0.2500	0.2500	
21 Phenanthrene	178	8.773	8.773	0.000	100	479942	0.5000	0.5263	
22 Anthracene	178	8.819	8.819	0.000	99	456706	0.5000	0.5311	
23 Di-n-butyl phthalate	149	9.318	9.318	0.000	100	1785513	2.50	2.79	
$ 24 Fluoranthene-d10 (Surr)	212	9.889	9.889	0.000	97	402275	0.5000	0.5763	
25 Fluoranthene	202	9.901	9.901	0.000	99	480964	0.5000	0.5517	
26 Pyrene	202	10.114	10.114	0.000	100	518325	0.5000	0.4876	
27 Butyl benzyl phthalate	149	10.785	10.785	0.000	100	808736	2.50	2.96	
28 Benzo[a]anthracene	228	11.391	11.391	0.000	99	434882	0.5000	0.5720	
* 29 Chrysene-d12	240	11.406	11.406	0.000	95	131677	0.2500	0.2500	
30 Chrysene	228	11.437	11.437	0.000	100	450824	0.5000	0.5209	

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	11.460	11.460	0.000	99	1083692	2.50	3.06	
32 Di-n-octyl phthalate	149	12.326	12.326	0.000	100	1832376	2.50	3.15	
33 Benzo[b]fluoranthene	252	12.802	12.802	0.000	100	433153	0.5000	0.6056	
34 Benzo[k]fluoranthene	252	12.840	12.840	0.000	100	493733	0.5000	0.5353	
35 Benzo[e]pyrene	252	13.185	13.185	0.000	100	434645	0.5000	0.5559	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.224	13.224	0.000	100	309893	0.5000	0.5937	
37 Benzo[a]pyrene	252	13.262	13.262	0.000	100	425284	0.5000	0.5597	
* 38 Perylene-d12	264	13.346	13.346	0.000	95	138157	0.2500	0.2500	
39 Perylene	252	13.377	13.377	0.000	100	431768	0.5000	0.5248	
40 Indeno[1,2,3-cd]pyrene	276	14.953	14.953	0.000	97	306450	0.5000	0.6002	
41 Dibenz(a,h)anthracene	278	15.002	15.002	0.000	97	344437	0.5000	0.5733	
42 Benzo[g,h,i]perylene	276	15.405	15.405	0.000	99	391819	0.5000	0.5413	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_4_00022 Amount Added: 1.00 Units: mL

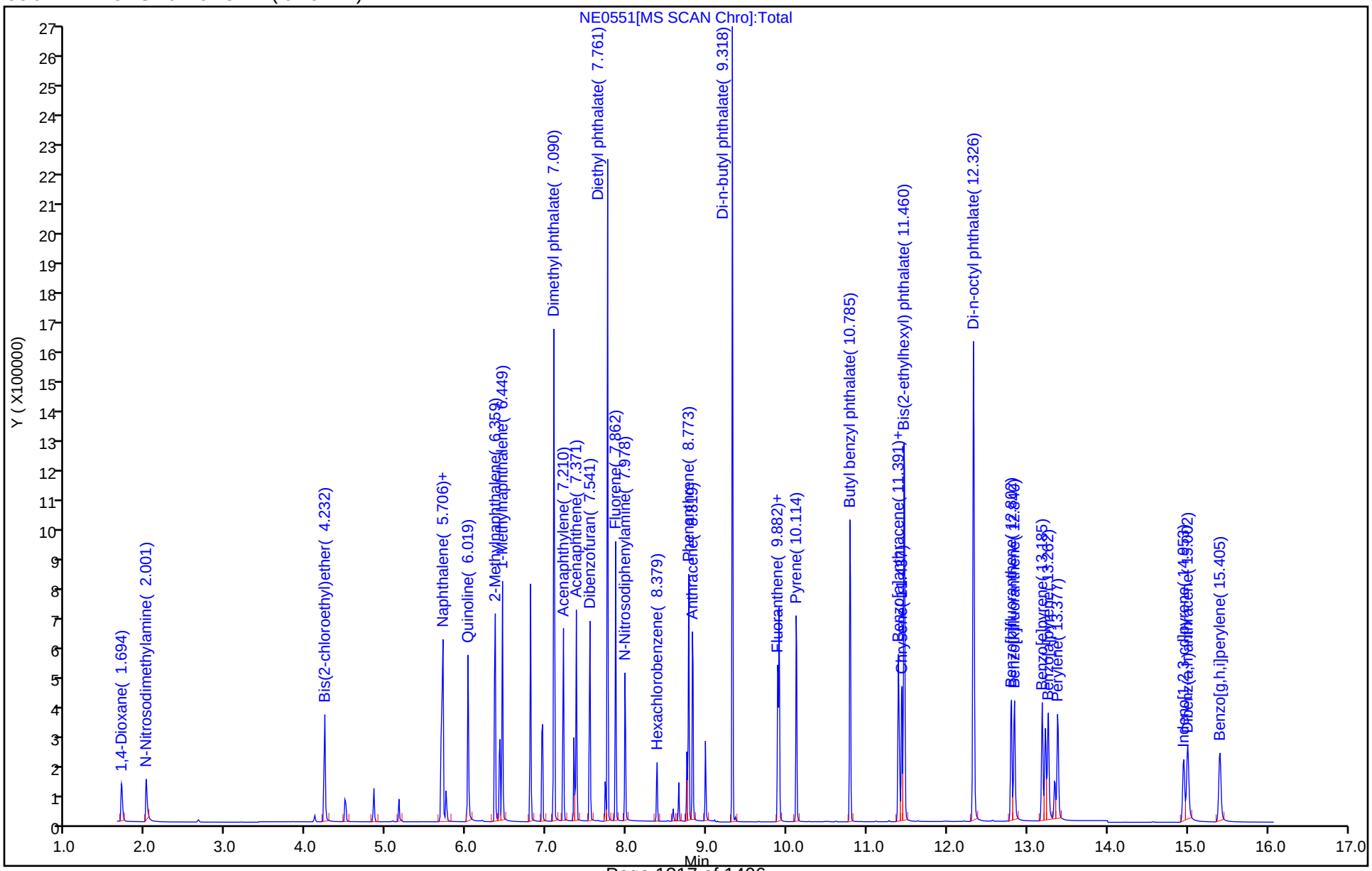
Report Date: 20-May-2022 18:42:51 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0551.D

Injection Date:	20-May-2022 17:41:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	CCVIS L4			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 20-May-2022 07:00:49 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0057668-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 10:15:11 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: gamblerj Date: 20-May-2022 10:15:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.083	5.083	0.000	0	368541	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.336	6.336	0.000	0	1893992	NR	NR	
47 4,4'-DDE	246	6.485	6.485	0.000	0	1445		NR	
48 4,4'-DDD	235	6.771	6.771	0.000	0	15465		NR	
49 4,4'-DDT	235	7.034	7.034	0.000	0	944375	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

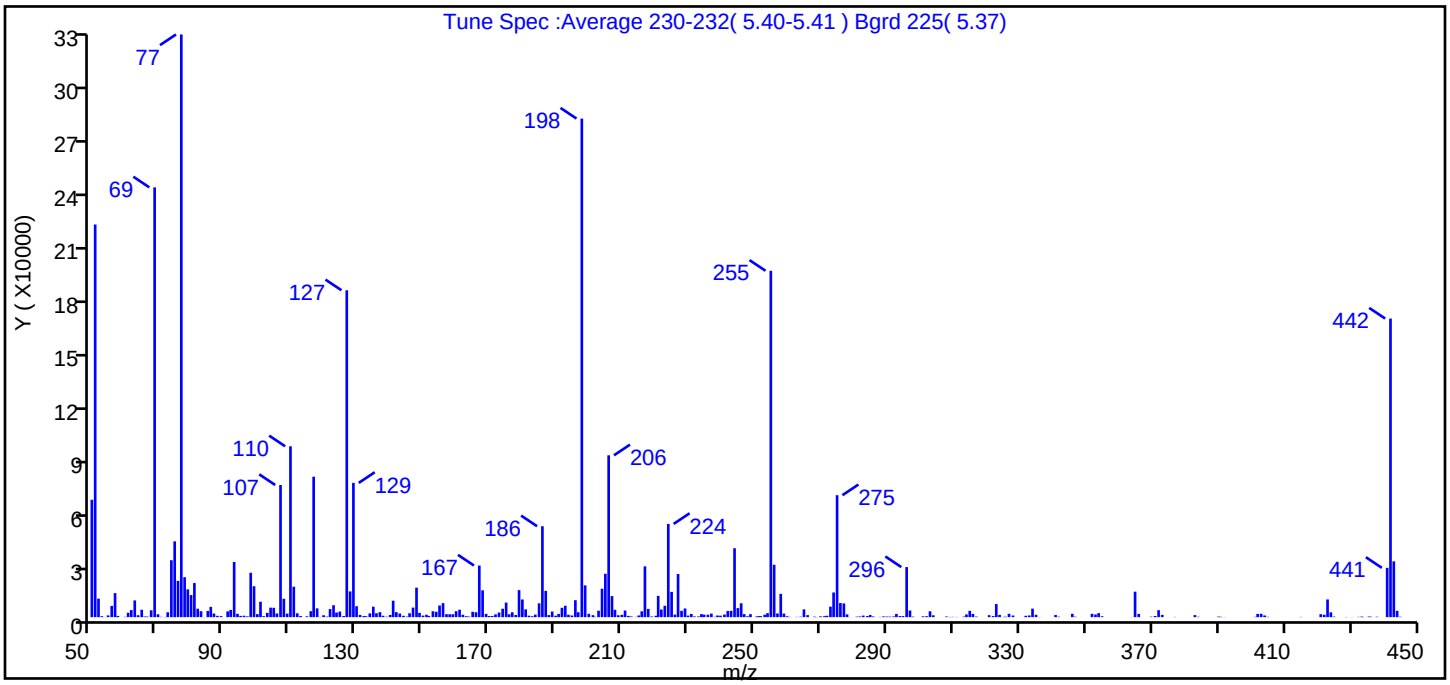
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D				
Injection Date:	20-May-2022 07:00:49	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 (167.0)
51	10-80% of the base peak	78.8
68	<2% of mass 69	1.4 (1.6)
69	Present	86.2
70	<2% of mass 69	0.6 (0.7)
127	10-80% of the base peak	65.6
197	<2% of mass 198	1.0
199	5-9% of mass 198	6.4
275	10-60% of the base peak	24.5
365	>1% of mass 198	5.1
441	present but <24% of mass 442	9.9 (16.5)
442	base peak, or >50% of 198	59.9
443	15-24% of mass 442	11.2 (18.7)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 20-May-2022 07:00:49
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	64760	132.00	580	211.00	3646	294.00	595
51.00	216640	133.00	514	212.00	713	295.00	578
52.00	10205	134.00	2063	213.00	365	296.00	27616
53.00	522	135.00	5778	214.00	138	297.00	3659
54.00	52	136.00	2153	215.00	919	298.00	289
55.00	956	137.00	2749	216.00	3226	301.00	457
56.00	6211	138.00	772	217.00	28024	302.00	527
57.00	13271	139.00	241	218.00	4530	303.00	3242
58.00	694	140.00	1205	219.00	360	304.00	1003
60.00	188	141.00	9075	220.00	754	308.00	364
61.00	2441	142.00	2774	221.00	11740	309.00	123
62.00	3895	143.00	1998	222.00	4213	310.00	155
63.00	9234	144.00	757	223.00	6277	311.00	109
64.00	1063	145.00	309	224.00	51432	313.00	278
65.00	4074	146.00	2134	225.00	13942	314.00	1488
66.00	334	147.00	5262	226.00	1394	315.00	3499
67.00	328	148.00	16259	227.00	23800	316.00	1775
68.00	3777	149.00	2349	228.00	3498	317.00	300
69.00	237120	150.00	848	229.00	4781	321.00	1098
70.00	1569	151.00	1319	230.00	840	322.00	601
71.00	174	152.00	677	231.00	1768	323.00	7228
72.00	114	153.00	3272	232.00	388	324.00	1253
73.00	2680	154.00	2980	233.00	406	325.00	146
74.00	31408	155.00	6420	234.00	1684	326.00	221
75.00	41808	156.00	7714	235.00	1377	327.00	1849
76.00	20016	157.00	1640	236.00	1343	328.00	899
77.00	321472	158.00	1601	237.00	1959	332.00	742
78.00	22048	159.00	1585	238.00	188	333.00	933
79.00	15326	160.00	3278	239.00	903	334.00	4690
80.00	12192	161.00	4108	240.00	822	335.00	1286
81.00	18800	162.00	1317	241.00	1424	336.00	73
82.00	4641	163.00	506	242.00	3418	341.00	1165
83.00	3283	164.00	323	243.00	3487	342.00	250

Report Date: 20-May-2022 10:15:11 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 20-May-2022 07:00:49
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	79	165.00	2962	244.00	38024	346.00	1840
85.00	3416	166.00	2712	245.00	4995	347.00	247
86.00	5671	167.00	28472	246.00	7645	352.00	1837
87.00	1993	168.00	14779	247.00	1672	353.00	1468
88.00	731	169.00	1803	248.00	483	354.00	2210
89.00	577	170.00	631	249.00	1654	355.00	483
91.00	3195	171.00	686	251.00	388	364.00	66
92.00	3995	172.00	1531	251.00	561	365.00	14062
93.00	30416	173.00	2544	252.00	561	366.00	1799
94.00	1848	174.00	4633	253.00	1328	370.00	259
95.00	704	175.00	8030	254.00	2198	371.00	634
96.00	784	176.00	1575	255.00	191104	372.00	3849
97.00	411	177.00	2697	256.00	28904	373.00	1244
98.00	24480	178.00	1189	257.00	2016	377.00	128
99.00	17040	179.00	14918	258.00	12855	383.00	1137
100.00	1668	180.00	9746	259.00	1964	384.00	219
101.00	8485	181.00	4295	260.00	482	390.00	295
102.00	539	182.00	813	261.00	154	391.00	220
103.00	2362	183.00	498	263.00	144	392.00	75
104.00	5236	184.00	1392	264.00	238	401.00	170
105.00	5166	185.00	7605	265.00	4308	402.00	1784
106.00	2018	186.00	50152	266.00	1112	403.00	1862
107.00	72912	187.00	14483	268.00	266	404.00	921
108.00	10134	188.00	1135	269.00	87	405.00	198
109.00	1927	189.00	3089	270.00	460	415.00	129
110.00	94264	190.00	793	271.00	559	421.00	1643
111.00	16792	191.00	1775	272.00	759	422.00	1325
112.00	2120	192.00	5142	273.00	5775	423.00	9770
113.00	622	193.00	6286	274.00	13608	424.00	2654
115.00	464	194.00	1323	275.00	67280	425.00	304
116.00	3282	195.00	900	276.00	7783	429.00	108
117.00	77480	196.00	9350	277.00	7563	430.00	66
118.00	4832	197.00	2690	278.00	1524	432.00	160
119.00	123	198.00	275072	279.00	71	433.00	320

Report Date: 20-May-2022 10:15:11 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 20-May-2022 07:00:49
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1053	199.00	17528	281.00	275	434.00	103
121.00	310	200.00	1838	282.00	388	436.00	328
122.00	4454	201.00	1084	283.00	851	436.00	222
123.00	6578	202.00	198	284.00	620	438.00	243
124.00	2552	203.00	3547	285.00	1210	441.00	27192
125.00	3087	204.00	15675	286.00	376	442.00	164736
126.00	609	205.00	23928	288.00	143	443.00	30800
127.00	180352	206.00	89296	289.00	398	444.00	3502
128.00	14192	207.00	11620	290.00	320	445.00	223
129.00	74064	208.00	4045	291.00	303		
130.00	6029	209.00	1036	292.00	387		
131.00	1228	210.00	1277	293.00	1791		

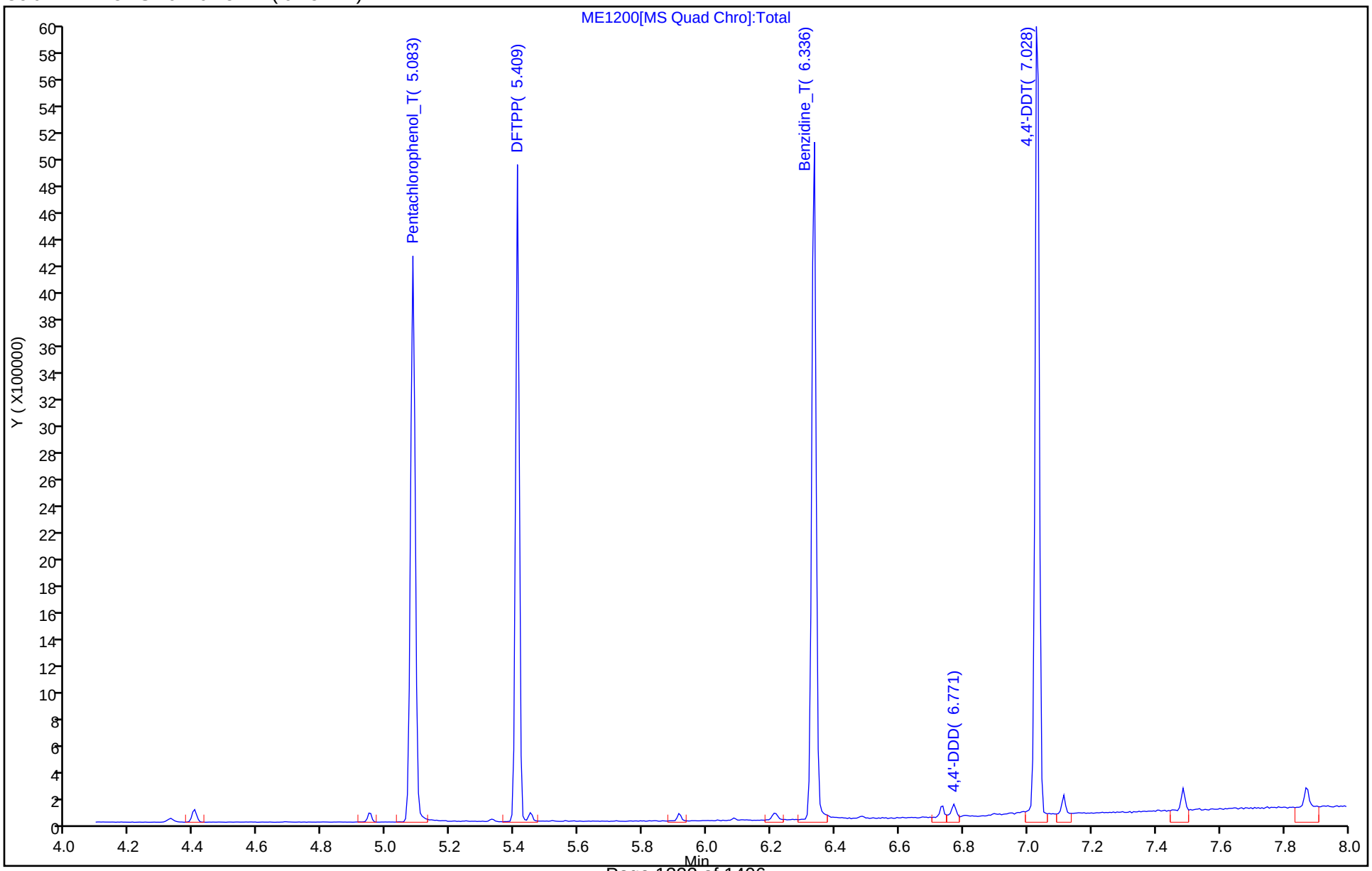
Report Date: 20-May-2022 10:15:11 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D

Injection Date:	20-May-2022 07:00:49	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)

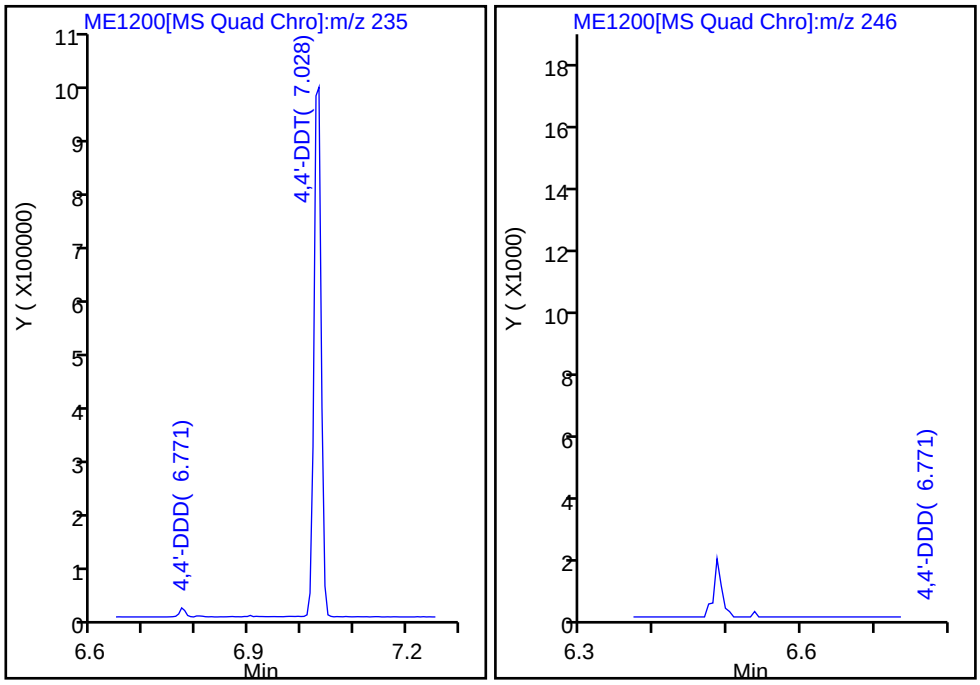


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D
Injection Date: 20-May-2022 07:00:49 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 = 944375
47 4,4'-DDE, Area = 1445
48 4,4'-DDD, Area = 15465

%Breakdown: 1.76%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

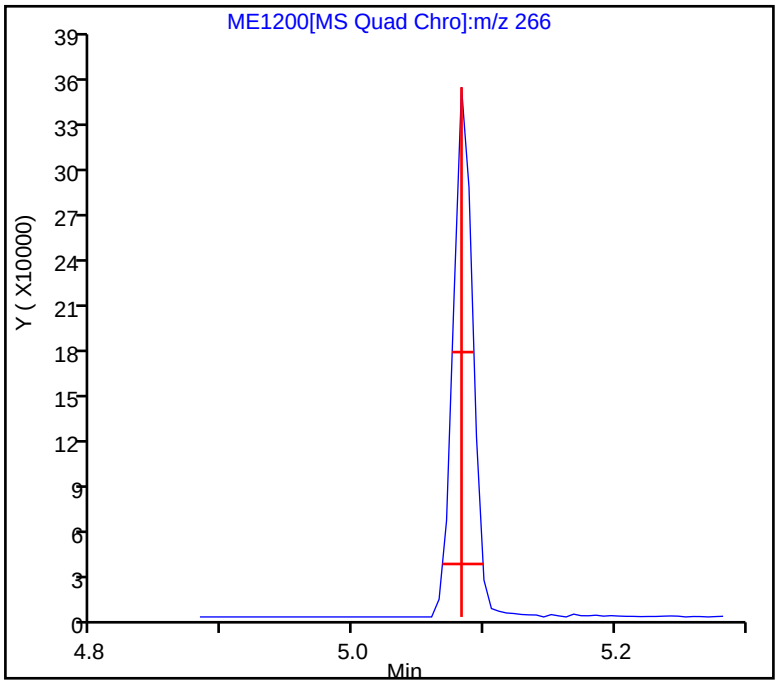
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D
Injection Date: 20-May-2022 07:00:49 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 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

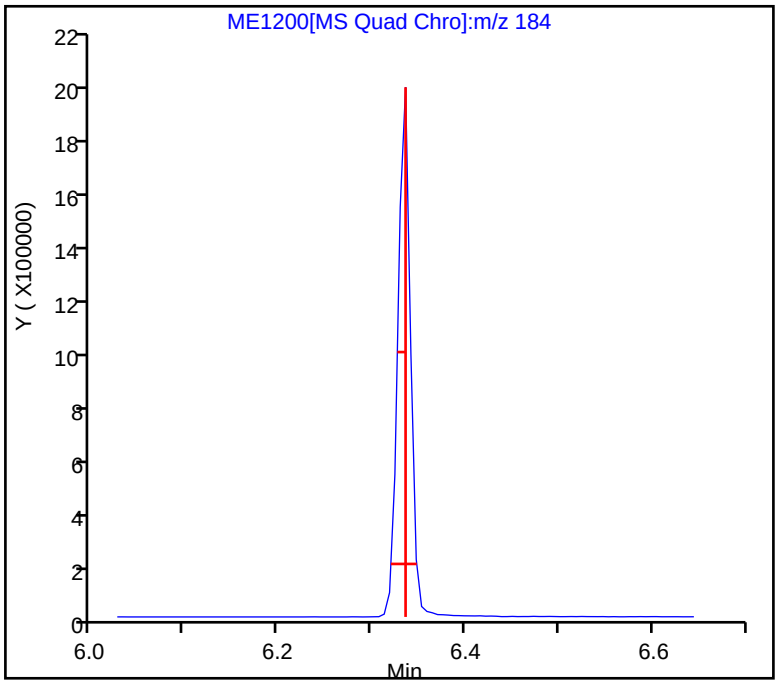
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1200.D
Injection Date: 20-May-2022 07:00:49 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 23-May-2022 07:30:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0057819-001
Operator ID: jmg00346 Instrument ID: HP21585

Method: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\8270_SIM_HP21585.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 11:02:10 Calib Date: 20-May-2022 09:08:04
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP21585\20220520-57668.b\ME1206.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 11:02:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	5.083	5.083	0.000	0	386560	NR	NR	
45 DFTPP									
46 Benzidine_T	184	6.336	6.336	0.000	0	1754688	NR	NR	
47 4,4'-DDE	246	6.485	6.485	0.000	0	2743		NR	
48 4,4'-DDD	235	6.771	6.771	0.000	0	19199		NR	
49 4,4'-DDT	235	7.034	7.034	0.000	0	983378	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

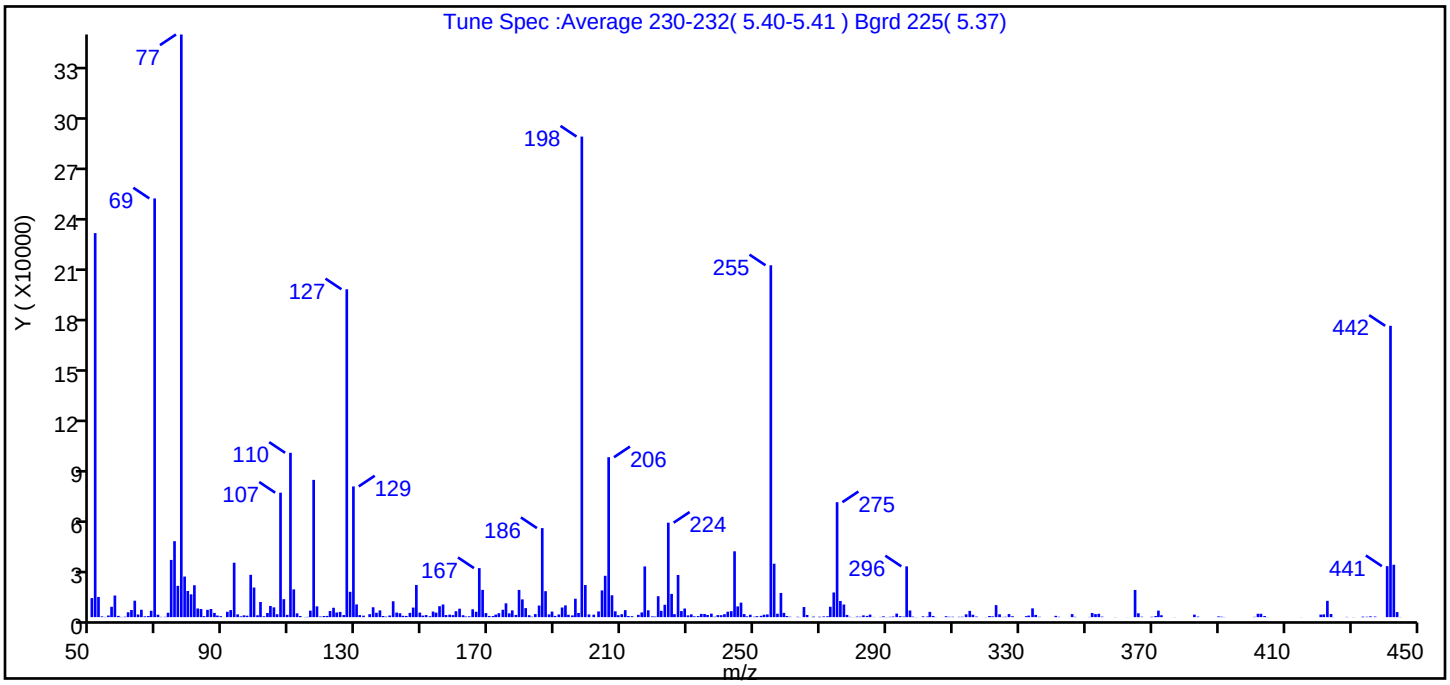
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D				
Injection Date:	23-May-2022 07:30:00	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 (165.0)
51	10-80% of the base peak	79.9
68	<2% of mass 69	1.3 (1.5)
69	Present	87.1
70	<2% of mass 69	0.5 (0.6)
127	10-80% of the base peak	68.2
197	<2% of mass 198	0.9
199	5-9% of mass 198	6.7
275	10-60% of the base peak	23.9
365	>1% of mass 198	5.7
441	present but <24% of mass 442	10.6 (17.5)
442	base peak, or >50% of 198	60.6
443	15-24% of mass 442	10.9 (18.0)

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 23-May-2022 07:30:00
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	11179	131.00	1217	213.00	565	296.00	29800
51.00	225344	132.00	875	215.00	1364	297.00	3899
52.00	11842	134.00	1755	216.00	2778	298.00	328
53.00	443	135.00	5796	217.00	29744	299.00	79
54.00	131	136.00	2577	218.00	4011	301.00	470
55.00	963	137.00	3960	219.00	433	302.00	374
56.00	6069	138.00	669	220.00	331	303.00	3099
57.00	12693	139.00	294	221.00	12282	304.00	702
58.00	745	140.00	966	222.00	3709	305.00	70
59.00	141	141.00	9325	223.00	7246	308.00	559
60.00	273	142.00	2684	224.00	55424	309.00	222
61.00	2858	143.00	2296	225.00	13644	310.00	238
62.00	4198	144.00	791	226.00	1740	312.00	213
63.00	9640	145.00	701	227.00	24728	313.00	241
64.00	1557	146.00	2493	228.00	3551	314.00	1645
65.00	4330	147.00	5619	229.00	5059	315.00	3681
66.00	485	148.00	18872	230.00	1041	316.00	1410
67.00	651	149.00	2651	231.00	1635	317.00	330
68.00	3757	150.00	906	232.00	476	320.00	91
69.00	245696	151.00	1220	233.00	638	321.00	687
70.00	1420	152.00	536	234.00	1919	322.00	447
71.00	175	153.00	3268	235.00	1877	323.00	7053
72.00	200	154.00	2634	236.00	1286	324.00	1667
73.00	2563	155.00	6424	237.00	2060	325.00	133
74.00	33576	156.00	7423	238.00	255	326.00	224
75.00	44584	157.00	1229	239.00	1203	327.00	1798
76.00	18368	158.00	1447	240.00	1157	328.00	543
77.00	341888	159.00	1206	241.00	1730	332.00	582
78.00	23808	160.00	3469	242.00	3197	333.00	913
79.00	15359	161.00	4956	243.00	3524	334.00	5166
80.00	13382	162.00	1119	244.00	38632	335.00	1307
81.00	18712	163.00	371	245.00	6299	336.00	223
82.00	5094	164.00	506	246.00	8502	341.00	762

Report Date: 23-May-2022 11:02:10 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 23-May-2022 07:30:00
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	4766	165.00	4607	247.00	1803	342.00	219
84.00	578	166.00	3162	248.00	483	346.00	1781
85.00	4287	167.00	28768	249.00	1420	347.00	192
86.00	4772	168.00	16001	250.00	230	351.00	119
87.00	2487	169.00	2380	251.00	584	352.00	2442
88.00	943	170.00	724	252.00	780	353.00	1795
89.00	581	171.00	657	253.00	1437	354.00	1957
91.00	3134	172.00	1494	254.00	1598	355.00	318
92.00	4144	173.00	2322	255.00	206464	359.00	85
93.00	31936	174.00	4320	256.00	31368	363.00	52
94.00	1624	175.00	8107	257.00	2005	365.00	15958
95.00	457	176.00	2211	258.00	14200	366.00	2260
96.00	1057	177.00	3980	259.00	2508	367.00	261
97.00	854	178.00	1299	260.00	654	370.00	50
98.00	24832	179.00	15967	261.00	237	370.00	231
99.00	17376	180.00	10412	263.00	224	371.00	637
100.00	1089	181.00	5295	264.00	84	372.00	3826
101.00	8899	182.00	1150	265.00	5938	373.00	1106
102.00	517	183.00	259	266.00	1270	377.00	73
103.00	2427	184.00	1801	268.00	167	383.00	1469
104.00	6544	185.00	6816	268.00	286	384.00	317
105.00	5733	186.00	52248	270.00	232	390.00	429
106.00	1696	187.00	15242	270.00	128	391.00	252
107.00	73040	188.00	1599	271.00	440	392.00	86
108.00	10555	189.00	3274	272.00	508	401.00	182
109.00	1343	190.00	725	273.00	6103	402.00	1972
110.00	96440	191.00	1559	274.00	14471	403.00	1979
111.00	16306	192.00	5661	275.00	67456	404.00	649
112.00	2226	193.00	6895	276.00	9495	405.00	75
113.00	684	194.00	1380	277.00	7421	415.00	64
114.00	106	195.00	1003	278.00	1308	421.00	1494
115.00	175	196.00	10804	279.00	185	422.00	1620
116.00	3801	197.00	2443	280.00	75	423.00	9568
117.00	80552	198.00	281984	281.00	324	424.00	1839

Report Date: 23-May-2022 11:02:10 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D\8270_SIM_HP21585.rslt\spectra
Injection Date: 23-May-2022 07:30:00
Spectrum: Tune Spec :Average 230-232(5.40-5.41) Bgrd 225(5.37)
Base Peak: 77.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	6318	199.00	18840	282.00	248	425.00	73
119.00	349	200.00	1590	283.00	1042	429.00	147
120.00	666	202.00	1437	284.00	729	431.00	82
121.00	724	203.00	3368	285.00	1487	434.00	128
122.00	3592	204.00	15686	286.00	127	434.00	280
123.00	5503	205.00	24264	288.00	124	435.00	240
124.00	2736	206.00	93840	289.00	463	436.00	470
125.00	3069	207.00	12841	290.00	79	437.00	350
126.00	1234	208.00	3433	291.00	209	441.00	29928
127.00	192384	209.00	1140	292.00	372	442.00	170944
128.00	14861	210.00	1699	293.00	2101	443.00	30768
129.00	76704	211.00	4109	294.00	571	444.00	2971
130.00	7463	212.00	646	295.00	296	445.00	78

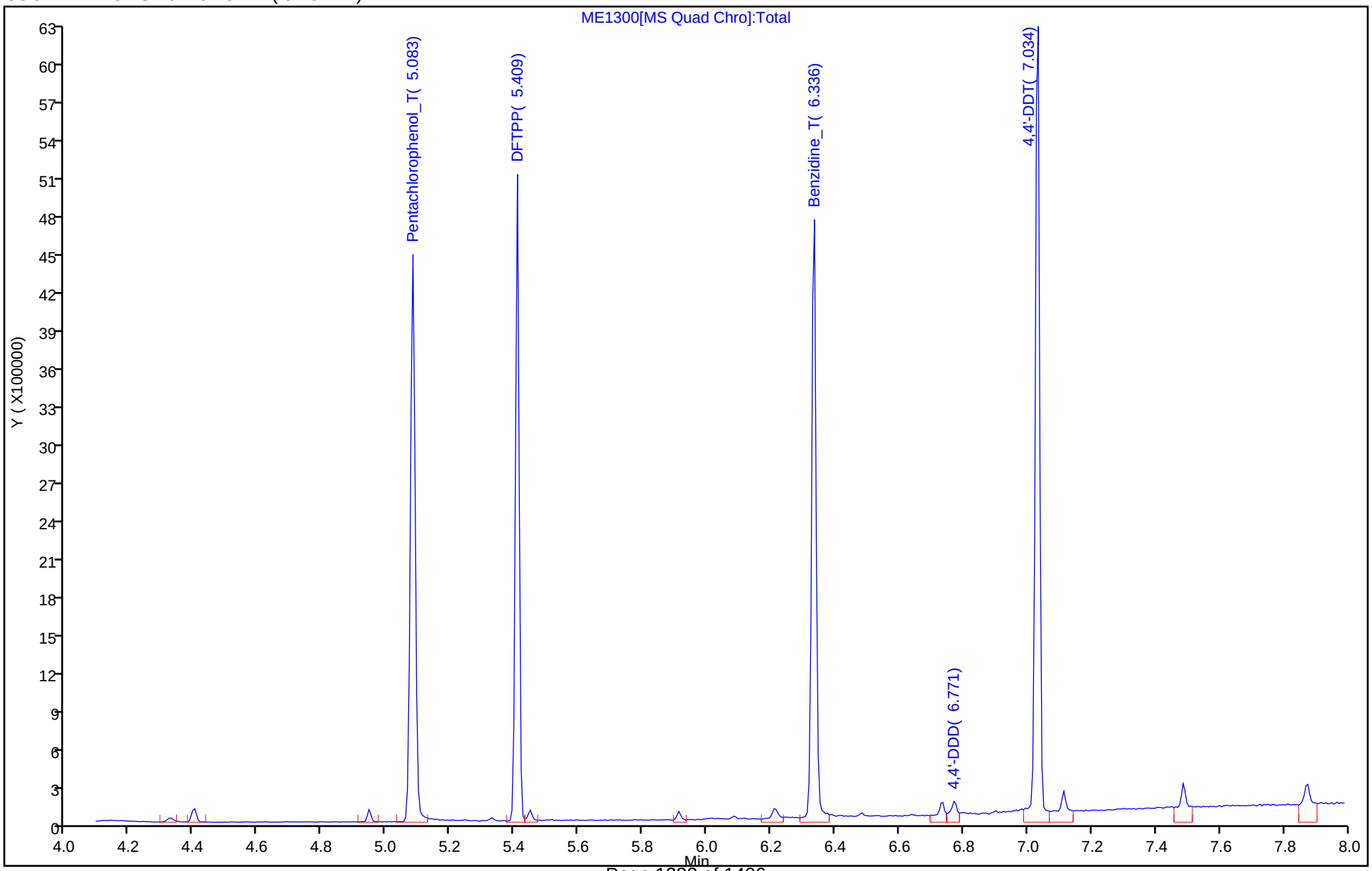
Report Date: 23-May-2022 11:02:10 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D

Injection Date:	23-May-2022 07:30:00	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)

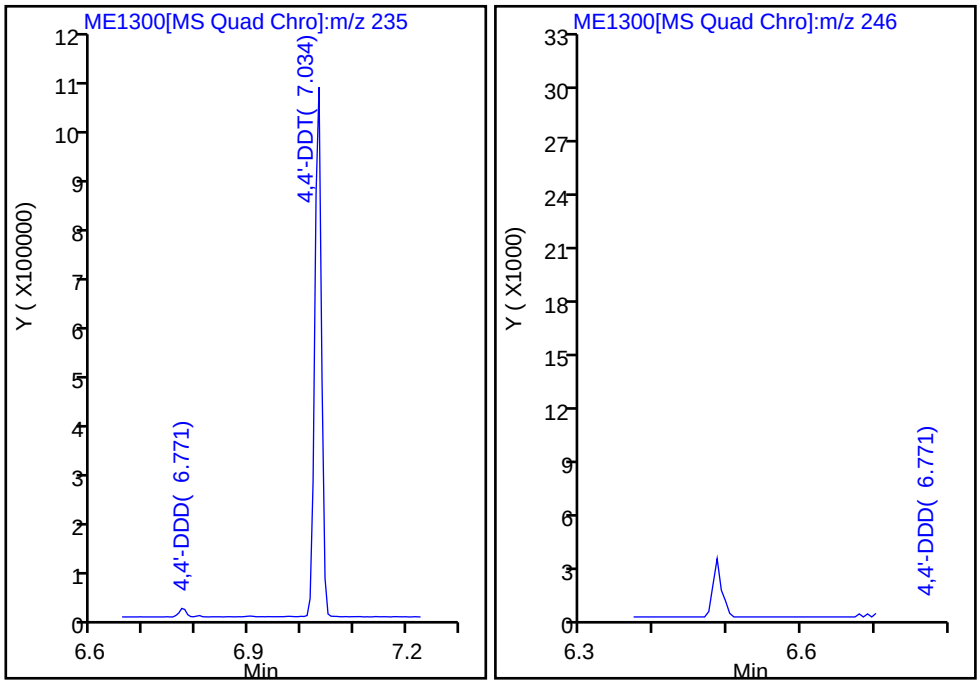


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D
Injection Date: 23-May-2022 07:30:00 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 = 983378
47 4,4'-DDE, Area = 2743
48 4,4'-DDD, Area = 19199

%Breakdown: 2.18%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

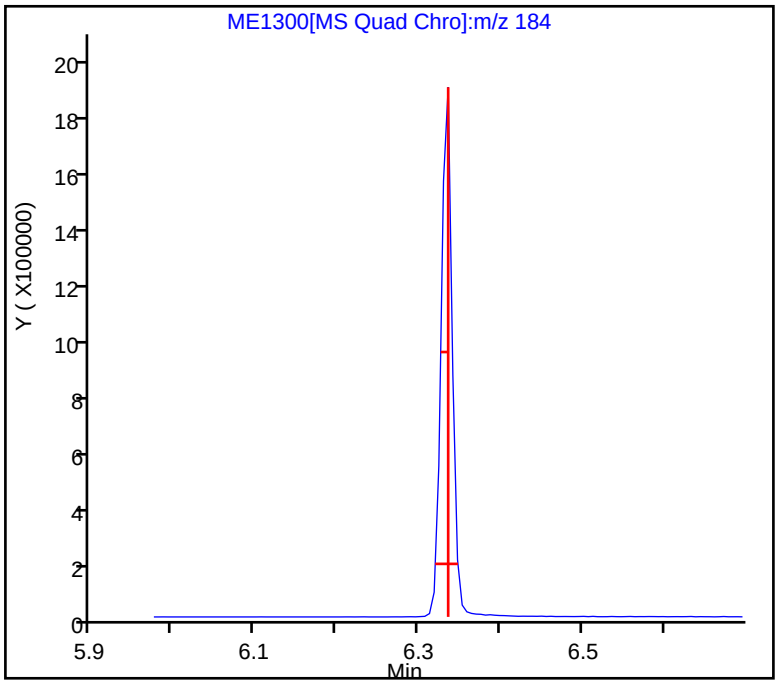
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D
Injection Date: 23-May-2022 07:30:00 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

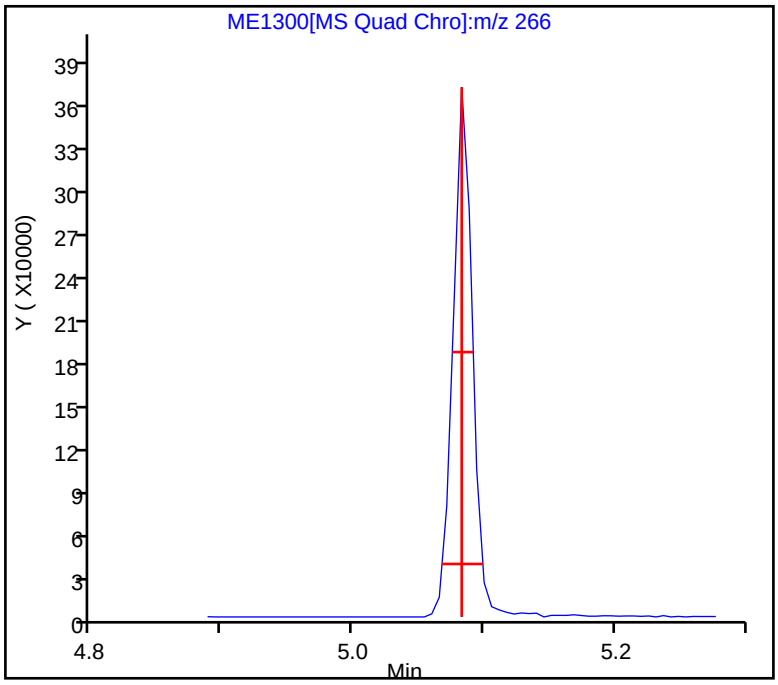
Data File: \\chromfs\Lancaster\ChromData\HP21585\20220523-57819.b\ME1300.D
Injection Date: 23-May-2022 07:30:00 Instrument ID: HP21585
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP21585 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.07, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 29-Apr-2022 14:24:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0056077-001
Operator ID: jmg00346 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 29-Apr-2022 18:27:46 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: saadehw Date: 29-Apr-2022 15:07:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
44 Pentachlorophenol_T	266	4.490	4.490	0.000	95	3411755	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.777	5.777	0.000	93	9564337	NR	NR	e
47 4,4'-DDE	246	5.928	5.928	0.000	78	16128		NR	
48 4,4'-DDD	235	6.211	6.211	0.000	93	117375		NR	
49 4,4'-DDT	235	6.465	6.465	0.000	94	6947393	NR	NR	e

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated

Reagents:

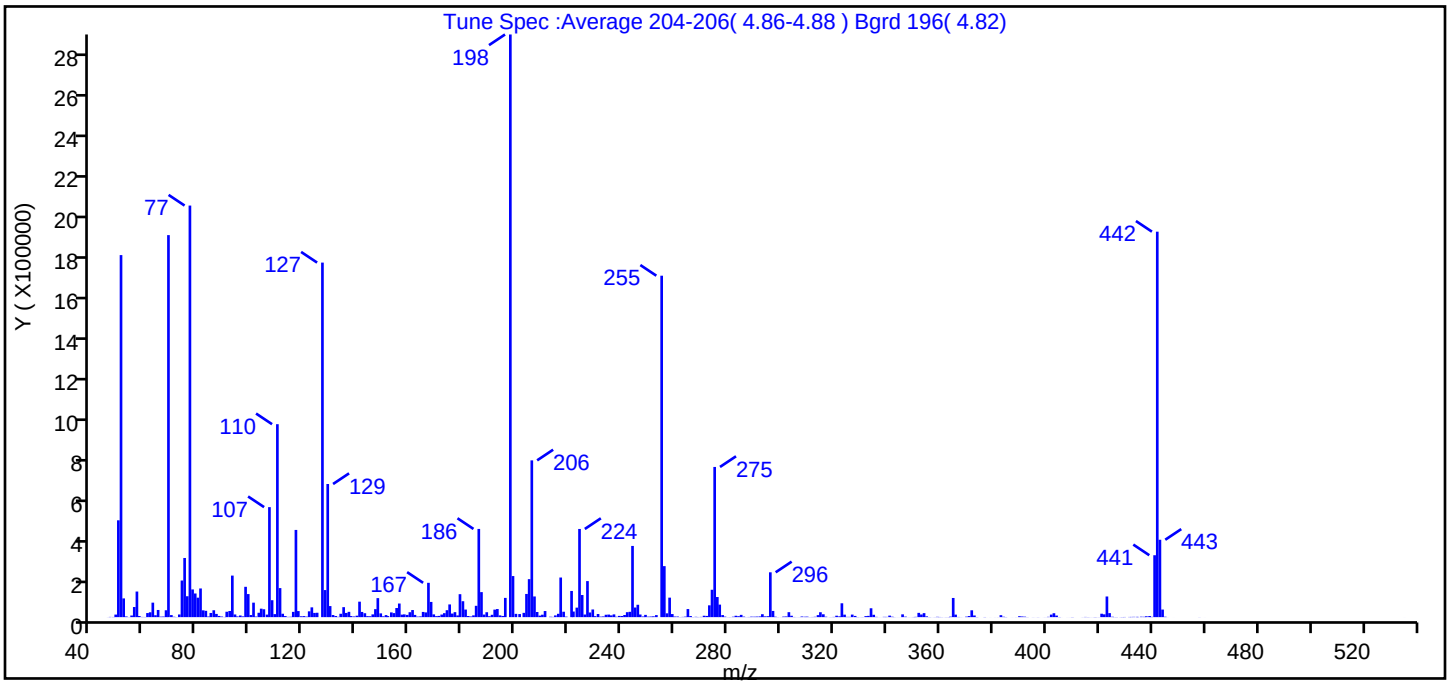
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM
Tune Method: DFTPP Method 8270D, BP 198

45 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (151.2)
51	10-80% of the base peak	62.1
68	<2% of mass 69	1.2 (1.8)
69	Present	65.6
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	60.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	25.8
365	>1% of mass 198	3.3
441	present but <24% of mass 442	10.6 (16.1)
442	base peak, or >50% of 198	66.2
443	15-24% of mass 442	13.3 (20.1)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	270	145.00	4351	247.00	12931	346.00	13756
47.00	1120	146.00	13566	248.00	3220	347.00	2552
48.00	886	147.00	39336	249.00	11169	348.00	350
49.00	12595	148.00	93640	250.00	2514	349.00	299
50.00	476416	149.00	18560	251.00	3048	350.00	815
51.00	1781248	150.00	4096	252.00	4064	351.00	1458
52.00	92152	151.00	10114	253.00	10027	352.00	21048
53.00	3266	152.00	5256	255.00	1679872	353.00	13012
54.00	483	153.00	23288	256.00	250944	354.00	19688
55.00	7935	154.00	19832	257.00	18792	355.00	3750
56.00	49784	155.00	44904	258.00	95920	356.00	582
57.00	125976	156.00	67024	259.00	15166	357.00	212
58.00	5462	157.00	12381	260.00	2961	358.00	482
59.00	1056	158.00	13552	261.00	3006	359.00	1524
60.00	836	159.00	11159	262.00	628	360.00	914
61.00	20160	160.00	24224	263.00	1260	361.00	487
62.00	23920	161.00	34968	264.00	2585	362.00	511
63.00	71328	162.00	11004	265.00	39800	363.00	692
64.00	9306	163.00	2657	266.00	5449	364.00	2375
65.00	35256	164.00	3758	267.00	700	365.00	94368
66.00	2510	165.00	25616	268.00	1597	366.00	12422
67.00	2964	166.00	23264	269.00	829	367.00	982
68.00	33840	167.00	168896	270.00	1262	368.00	340
69.00	1879552	168.00	74848	271.00	6909	369.00	73
70.00	10078	169.00	13568	272.00	6042	370.00	2425
71.00	1849	170.00	4860	273.00	58152	371.00	5378
72.00	642	171.00	6105	274.00	134720	372.00	33688
73.00	13091	172.00	12746	275.00	738944	373.00	8109
74.00	180160	173.00	19552	276.00	98944	374.00	720
75.00	291072	174.00	34208	277.00	61632	377.00	740
76.00	102840	175.00	62552	278.00	10125	378.00	73
77.00	2024960	176.00	17680	279.00	2524	379.00	144
78.00	136320	177.00	24528	280.00	503	381.00	192

Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	116360	178.00	8449	281.00	576	382.00	279
80.00	95800	179.00	112952	282.00	2170	383.00	9683
81.00	141120	180.00	78344	283.00	6833	384.00	1973
82.00	33528	181.00	37336	284.00	4583	385.00	752
83.00	31112	182.00	5624	285.00	11224	387.00	121
84.00	3147	183.00	3363	286.00	2544	388.00	92
85.00	20544	184.00	8782	287.00	449	389.00	277
86.00	33824	185.00	55760	288.00	904	390.00	4659
87.00	15889	186.00	433984	289.00	2495	391.00	3238
88.00	5893	187.00	123112	290.00	2251	392.00	2333
89.00	3008	188.00	12743	291.00	2793	393.00	529
90.00	987	189.00	24176	292.00	3519	395.00	290
91.00	26592	190.00	4533	293.00	14424	396.00	141
92.00	30280	191.00	11515	294.00	3855	397.00	432
93.00	204416	192.00	37024	295.00	4615	398.00	64
94.00	13199	193.00	39856	296.00	220608	399.00	156
95.00	3576	194.00	8599	297.00	30488	400.00	268
96.00	8132	195.00	5859	298.00	2237	401.00	1480
97.00	3777	196.00	94672	299.00	514	402.00	12472
98.00	149248	198.00	2866688	300.00	299	403.00	19240
99.00	113520	199.00	202112	301.00	2808	404.00	7725
100.00	10298	200.00	16172	302.00	3341	405.00	745
101.00	71280	201.00	15262	303.00	24376	406.00	105
102.00	2923	203.00	21112	304.00	6821	408.00	146
103.00	21520	204.00	114104	305.00	918	409.00	170
104.00	41728	205.00	186880	306.00	351	410.00	699
105.00	38784	206.00	771328	307.00	437	411.00	55
106.00	12484	207.00	101744	308.00	3152	414.00	99
107.00	541248	208.00	25288	309.00	2075	414.00	276
108.00	83280	209.00	7512	310.00	2480	415.00	1009
109.00	14836	210.00	11940	311.00	531	416.00	623
110.00	949312	211.00	30024	312.00	891	417.00	256
111.00	142912	213.00	1970	313.00	1799	418.00	430
112.00	16704	214.00	1280	314.00	9924	419.00	607

Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 29-Apr-2022 14:24:30
Spectrum: Tune Spec :Average 204-206(4.86-4.88) Bgrd 196(4.82)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 392

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	5167	215.00	8549	315.00	24128	420.00	416
114.00	1336	216.00	16456	316.00	14087	421.00	16800
115.00	1854	217.00	194944	317.00	2135	422.00	13837
116.00	25952	218.00	26624	318.00	188	423.00	101640
117.00	429056	219.00	2513	319.00	474	424.00	19776
118.00	29856	221.00	128808	320.00	1124	425.00	1967
119.00	4254	222.00	27528	321.00	7095	426.00	462
120.00	5090	223.00	46776	322.00	3916	427.00	627
121.00	2665	224.00	433856	323.00	68200	428.00	494
122.00	28616	225.00	108784	324.00	12236	429.00	715
123.00	48184	226.00	12923	325.00	1393	430.00	859
124.00	20848	227.00	177344	326.00	1323	432.00	974
125.00	21592	228.00	22936	327.00	12581	432.00	1098
127.00	1744384	229.00	37704	328.00	5983	433.00	1452
128.00	133184	230.00	4792	329.00	770	434.00	1333
129.00	655040	231.00	15390	330.00	385	435.00	1073
130.00	54464	232.00	2610	331.00	607	436.00	2258
131.00	10375	233.00	3552	332.00	4998	437.00	1876
132.00	5467	234.00	11787	333.00	6227	438.00	4322
133.00	1611	235.00	12588	334.00	43704	439.00	5433
134.00	16584	236.00	8675	335.00	11606	440.00	1416
135.00	49120	237.00	13519	336.00	1402	441.00	304576
136.00	20688	238.00	1957	337.00	264	442.00	1896448
137.00	26048	239.00	6172	338.00	170	443.00	380736
138.00	5341	240.00	5685	339.00	1432	444.00	37288
139.00	3329	241.00	10525	340.00	1270	445.00	2035
140.00	7130	242.00	24304	341.00	7552	446.00	159
141.00	76144	243.00	26224	342.00	2210	448.00	60
142.00	25592	244.00	350336	343.00	508	458.00	345
143.00	19216	245.00	47392	344.00	228	460.00	63
144.00	4927	246.00	60888	345.00	226	535.00	71

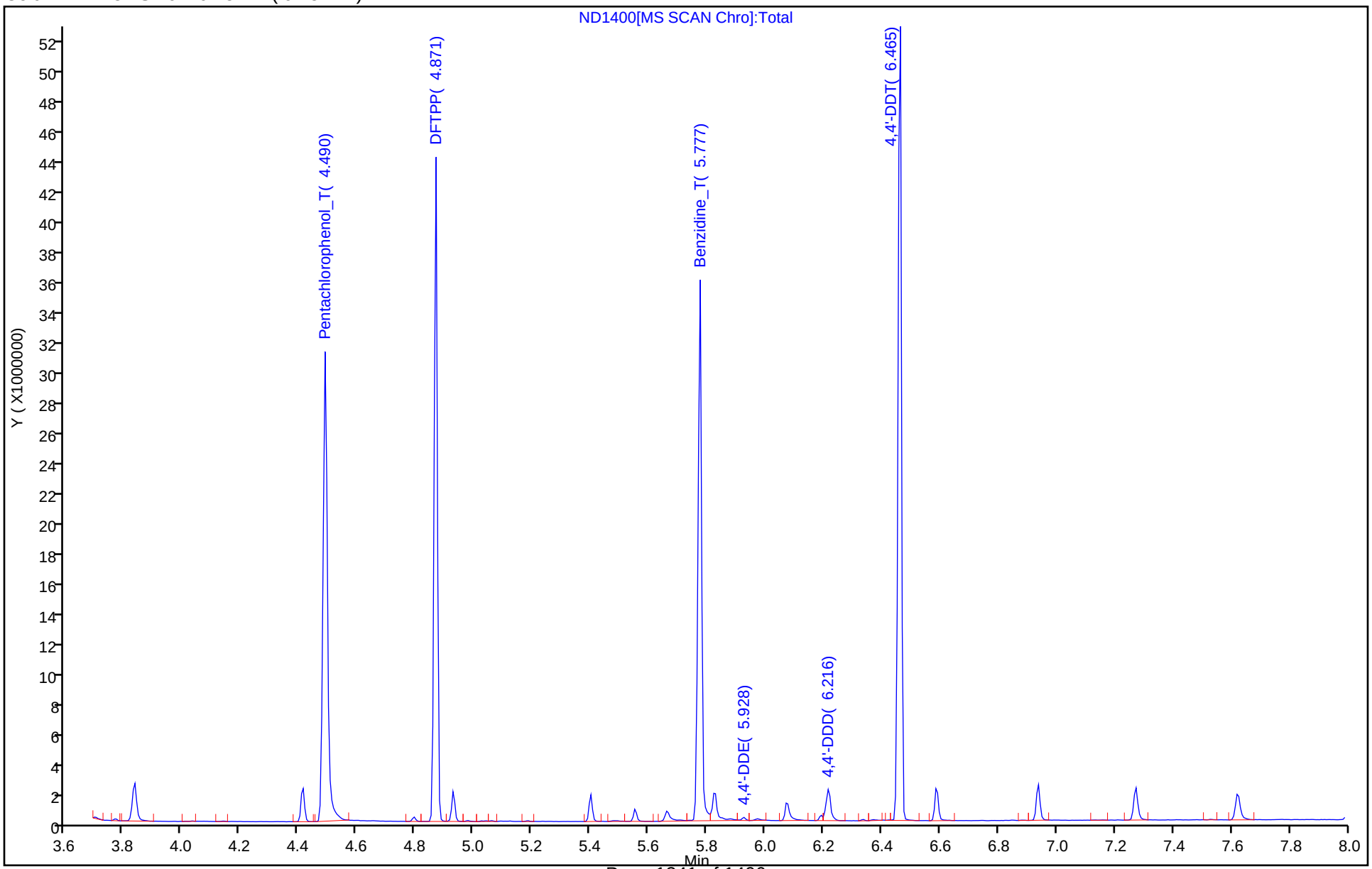
Report Date: 29-Apr-2022 18:27:46 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D

Injection Date:	29-Apr-2022 14:24:30	Instrument ID:	HP23263	Operator ID:	jmg00346
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

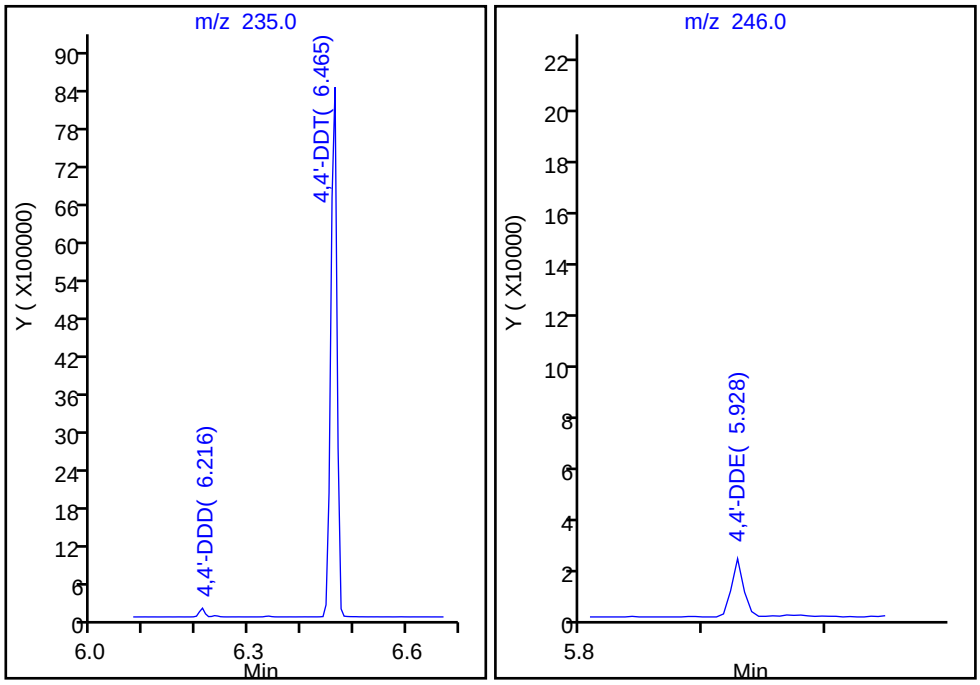
49 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

49 4,4'-DDT, Area = 6947393
47 4,4'-DDE, Area = 16128
48 4,4'-DDD, Area = 117375

%Breakdown: 1.89%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

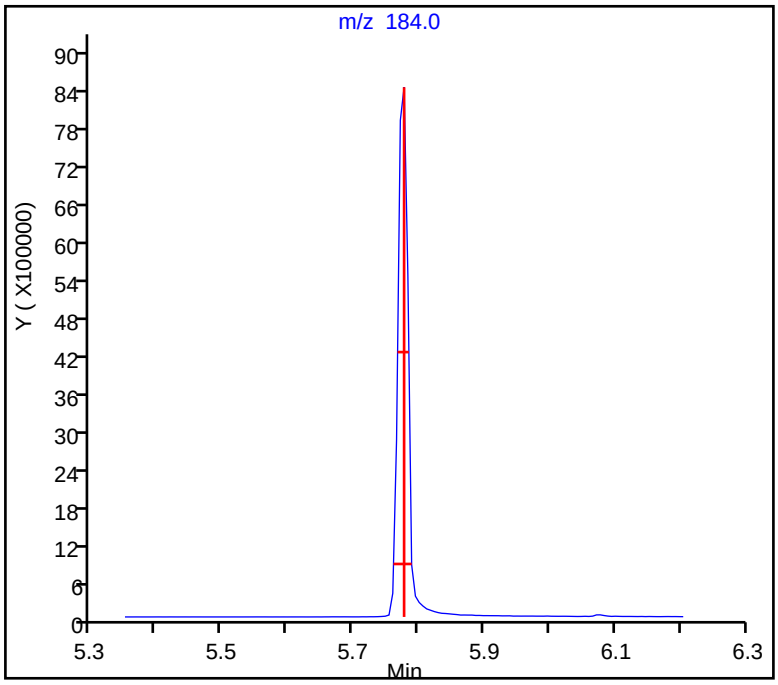
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

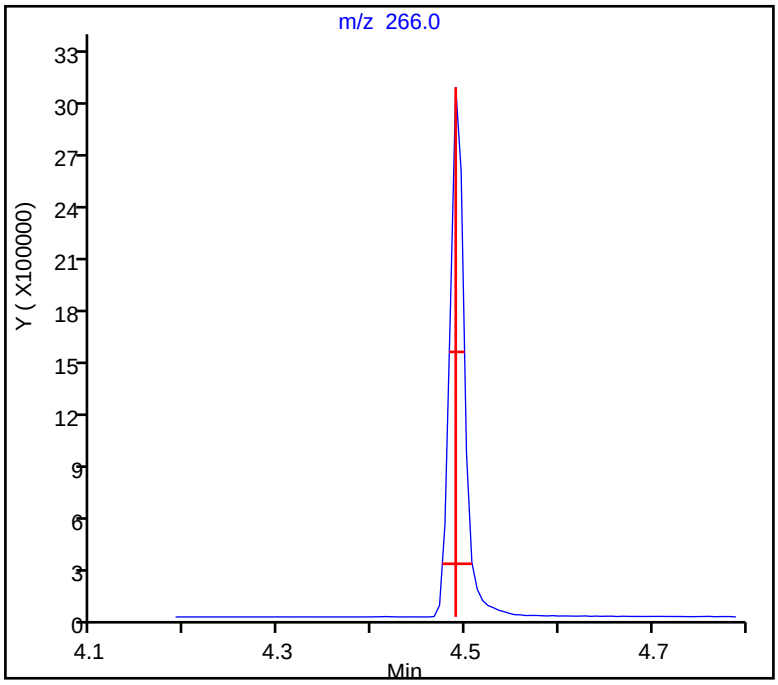
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1400.D
Injection Date: 29-Apr-2022 14:24:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: jmg00346 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.29, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 20-May-2022 17:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0057731-001
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 20-May-2022 18:42:49 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1654

First Level Reviewer: luttek Date: 20-May-2022 17:58:30

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	4.484	4.484	0.000	97	2725241	NR	NR	
45 DFTPP									
46 Benzidine_T	184	5.766	5.766	0.000	99	8675775	NR	NR	e
47 4,4'-DDE	246	5.910	5.910	0.000	77	24022		NR	
48 4,4'-DDD	235	6.193	6.193	0.000	94	190383		NR	
49 4,4'-DDT	235	6.447	6.447	0.000	95	5249150	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated

Reagents:

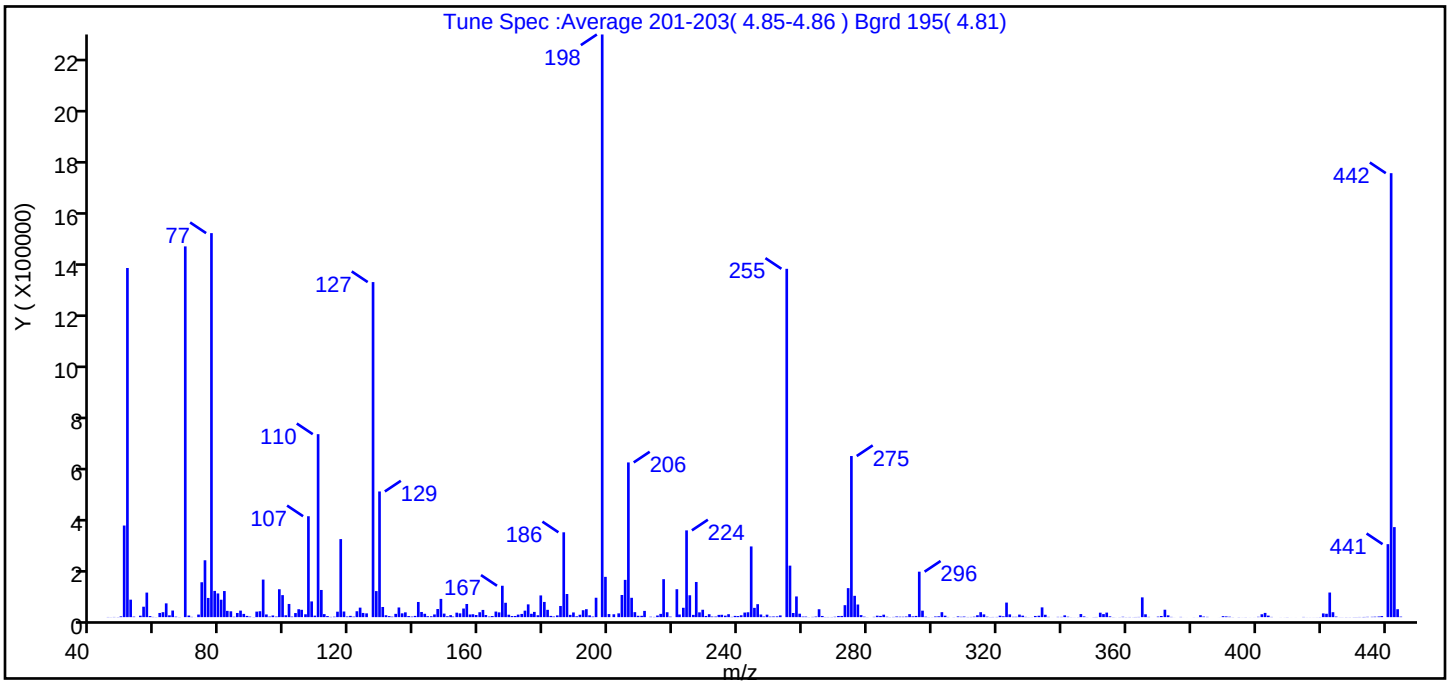
MSS_RVDFTPP_00009 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D
Injection Date: 20-May-2022 17:22:30 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 (131.2)
51	10-80% of the base peak	59.9
68	<2% of mass 69	0.0 (0.0)
69	Present	63.6
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	57.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	27.7
365	>1% of mass 198	3.4
441	present but <24% of mass 442	12.5 (16.4)
442	base peak, or >50% of 198	76.2
443	15-24% of mass 442	15.5 (20.3)

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 20-May-2022 17:22:30
Spectrum: Tune Spec :Average 201-203(4.85-4.86) Bgrd 195(4.81)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	629	142.00	19752	241.00	7094	339.00	1063
46.00	358	143.00	12831	242.00	17504	340.00	962
47.00	728	144.00	3577	243.00	18624	341.00	6843
48.00	541	145.00	3349	244.00	269888	342.00	1694
49.00	3030	146.00	10290	245.00	35424	343.00	345
50.00	349696	147.00	31040	246.00	49488	344.00	215
51.00	1332736	148.00	69704	247.00	10057	345.00	369
52.00	66712	149.00	13476	248.00	2420	346.00	11802
53.00	2024	150.00	3391	249.00	9493	347.00	2691
54.00	48	151.00	7649	250.00	1973	348.00	346
55.00	5521	152.00	2277	251.00	2559	350.00	526
56.00	39800	153.00	17040	252.00	2876	351.00	686
57.00	93720	154.00	14526	253.00	6618	352.00	16968
58.00	4027	155.00	32872	255.00	1329664	353.00	11674
59.00	896	156.00	50224	256.00	196608	354.00	17328
60.00	412	157.00	10179	257.00	15818	355.00	2967
61.00	15957	158.00	11113	258.00	79024	356.00	408
62.00	18936	159.00	8054	259.00	13163	357.00	142
63.00	52648	160.00	18728	260.00	2122	358.00	368
64.00	6928	161.00	27560	261.00	2163	359.00	1396
65.00	25232	162.00	8011	262.00	428	360.00	434
66.00	1795	163.00	2265	263.00	985	361.00	660
67.00	492	164.00	4185	264.00	2255	362.00	362
69.00	1415168	165.00	21288	265.00	30208	363.00	646
70.00	6106	166.00	18144	266.00	4494	364.00	833
71.00	1045	167.00	119816	267.00	662	365.00	75504
72.00	149	168.00	54840	268.00	713	366.00	10935
73.00	9838	169.00	9283	269.00	631	367.00	1044
74.00	133184	170.00	4230	270.00	1491	370.00	2031
75.00	217088	171.00	4476	271.00	4503	371.00	4418
76.00	73280	172.00	9699	272.00	4604	372.00	28344
77.00	1465856	173.00	12230	273.00	45720	373.00	6838
78.00	100216	174.00	24736	274.00	110744	374.00	950

Report Date: 20-May-2022 18:42:49 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 20-May-2022 17:22:30
Spectrum: Tune Spec :Average 201-203(4.85-4.86) Bgrd 195(4.81)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	90480	175.00	48792	275.00	614976	375.00	140
80.00	66504	176.00	12789	276.00	81368	377.00	867
81.00	99640	177.00	20000	277.00	48216	378.00	64
82.00	23944	178.00	7294	278.00	7767	379.00	66
83.00	22344	179.00	82888	279.00	1818	381.00	253
84.00	1562	180.00	58032	280.00	357	382.00	175
85.00	15898	181.00	27952	281.00	32	383.00	7550
86.00	24912	182.00	4813	282.00	1123	384.00	2183
87.00	12414	183.00	2311	283.00	5538	385.00	1049
88.00	4738	184.00	6671	284.00	4648	389.00	54
89.00	2121	185.00	42600	285.00	9392	389.00	118
90.00	529	186.00	323840	286.00	1722	390.00	3812
91.00	21152	187.00	88312	287.00	481	391.00	2840
92.00	22536	188.00	8683	288.00	851	392.00	1675
93.00	143424	189.00	17944	289.00	2490	393.00	371
94.00	10282	190.00	3202	290.00	1700	395.00	468
95.00	2288	191.00	9124	291.00	1562	396.00	163
96.00	6358	192.00	26440	292.00	2397	397.00	381
97.00	2193	193.00	30400	293.00	11460	398.00	150
98.00	106480	194.00	6974	294.00	2957	400.00	127
99.00	84032	195.00	2167	295.00	4621	401.00	1355
100.00	7069	196.00	74072	296.00	173568	402.00	11042
101.00	50312	198.00	2224128	297.00	24704	403.00	16172
102.00	2145	199.00	153792	298.00	1778	404.00	5811
103.00	15609	200.00	11759	299.00	447	405.00	875
104.00	30224	202.00	10980	300.00	289	408.00	169
105.00	28024	203.00	14435	301.00	2493	409.00	163
106.00	10953	204.00	84536	302.00	3187	410.00	389
107.00	385216	205.00	142272	303.00	18992	411.00	66
108.00	60024	206.00	590592	304.00	5507	412.00	116
109.00	5726	207.00	73848	305.00	801	415.00	789
110.00	698432	208.00	19024	307.00	366	416.00	206
111.00	103704	209.00	5209	308.00	2808	417.00	204
112.00	11533	210.00	5156	309.00	1381	418.00	187

Report Date: 20-May-2022 18:42:49 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D\8270_SIM_HP23263.rslt\spectra
Injection Date: 20-May-2022 17:22:30
Spectrum: Tune Spec :Average 201-203(4.85-4.86) Bgrd 195(4.81)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	4033	211.00	23848	310.00	2203	419.00	265
114.00	978	213.00	1557	311.00	697	420.00	581
115.00	1755	214.00	802	312.00	849	421.00	14223
116.00	20832	215.00	6224	313.00	1799	422.00	12854
117.00	297920	216.00	12437	314.00	7237	423.00	93968
118.00	21568	217.00	144960	315.00	18936	424.00	18824
119.00	2490	218.00	18696	316.00	10526	425.00	2166
120.00	4902	219.00	1892	317.00	1890	426.00	305
121.00	1896	221.00	106616	318.00	514	427.00	294
122.00	22568	222.00	10042	319.00	718	428.00	449
123.00	36288	223.00	35760	320.00	794	429.00	363
124.00	16000	224.00	331200	321.00	5537	430.00	491
125.00	14423	225.00	83512	322.00	3125	431.00	519
127.00	1278976	226.00	8624	323.00	55568	432.00	703
128.00	99464	227.00	134208	324.00	10548	433.00	607
129.00	479744	228.00	18304	325.00	1292	434.00	745
130.00	38760	229.00	28216	326.00	1345	435.00	1193
131.00	7209	230.00	4520	327.00	9733	436.00	1256
132.00	3930	231.00	11126	328.00	5657	437.00	1758
133.00	1878	232.00	2332	329.00	1062	438.00	2525
134.00	12551	233.00	2219	330.00	432	439.00	4000
135.00	36920	234.00	8629	331.00	313	441.00	278592
136.00	14584	235.00	9001	332.00	4576	442.00	1694720
137.00	18328	236.00	5641	333.00	5331	443.00	343680
138.00	4121	237.00	11211	334.00	37304	444.00	30336
139.00	2163	238.00	1039	335.00	9096	445.00	1998
140.00	4752	239.00	4808	336.00	1114		
141.00	57872	240.00	4130	337.00	52		

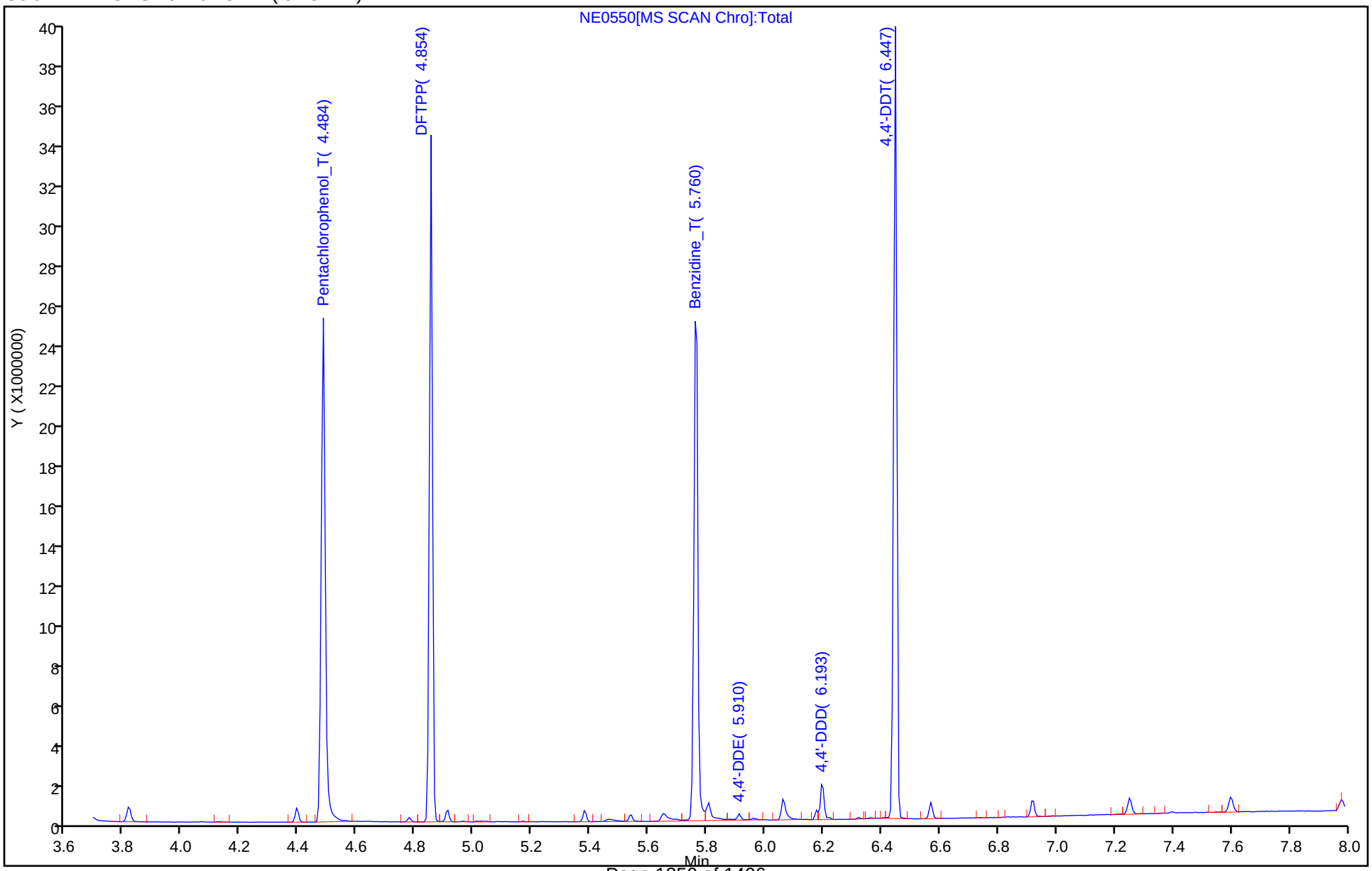
Report Date: 20-May-2022 18:42:49 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D

Injection Date:	20-May-2022 17:22:30	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)

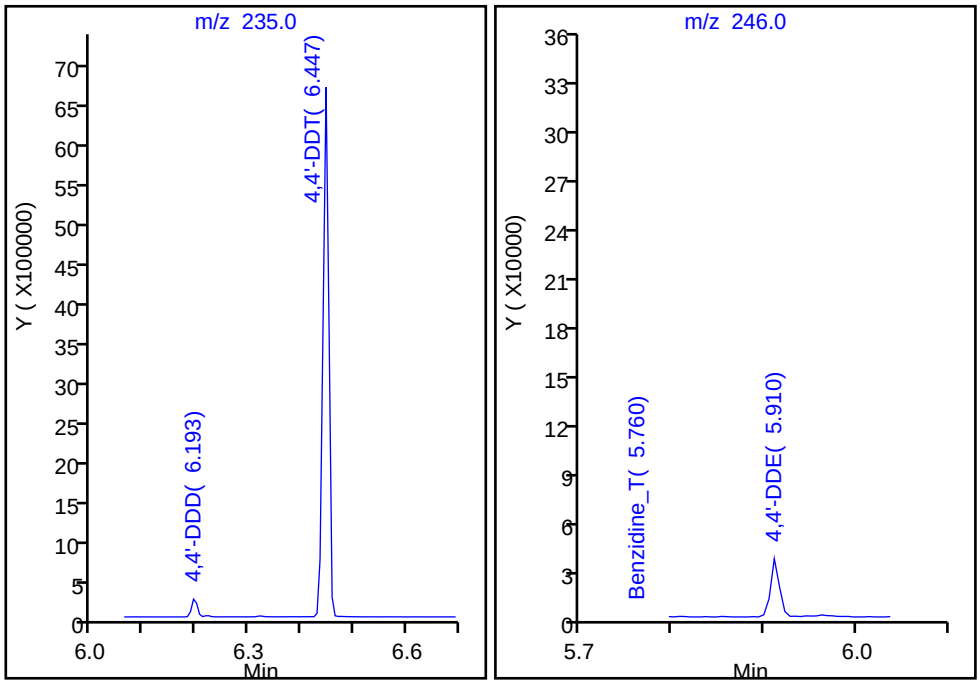


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D
Injection Date: 20-May-2022 17:22:30 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 = 5249150
47 4,4'-DDE, Area = 24022
48 4,4'-DDD, Area = 190383

%Breakdown: 3.92%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

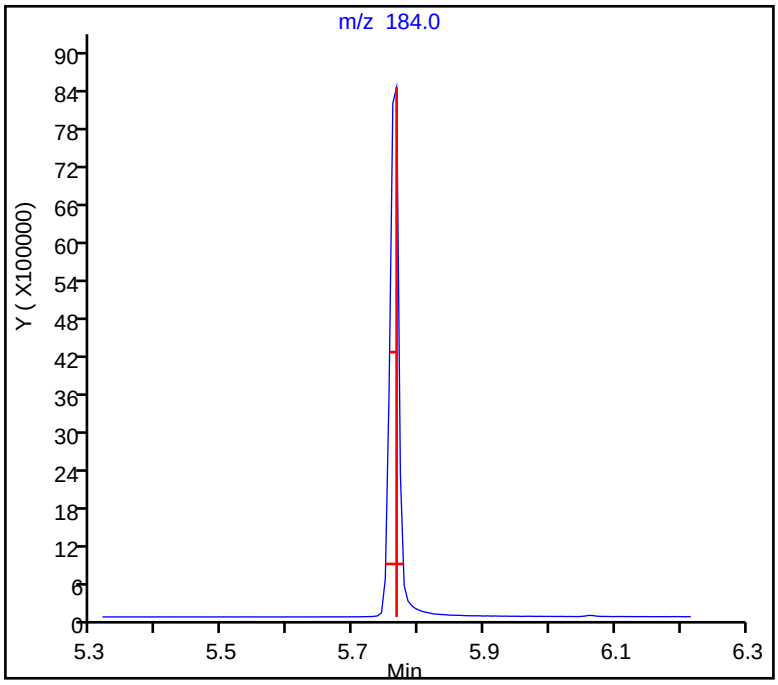
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D
Injection Date: 20-May-2022 17:22:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

46 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.59, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

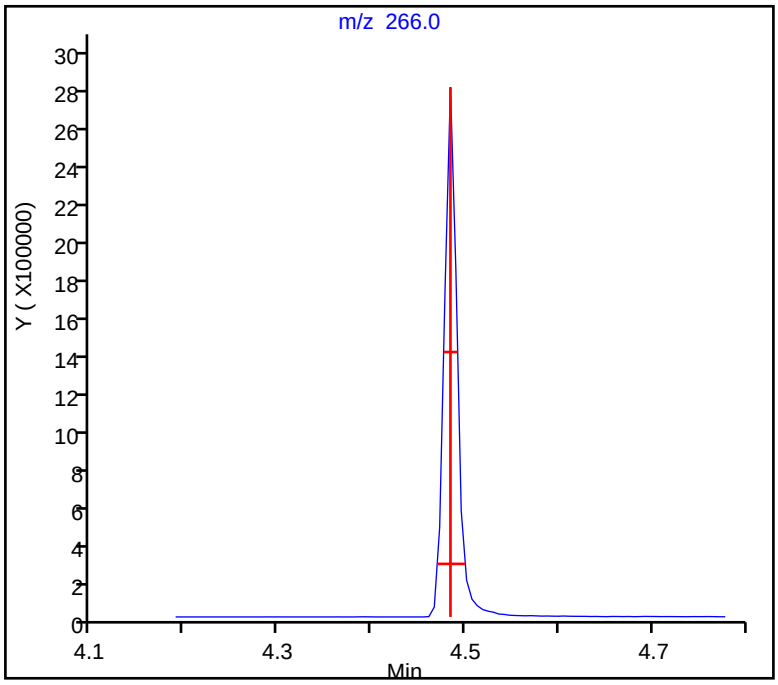
Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0550.D
Injection Date: 20-May-2022 17:22:30 Instrument ID: HP23263
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_HP23263 Limit Group: MSSV - 8270D_E SIM

44 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.14, 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.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-256915/1-A

Matrix: Water
Lab File ID: NE0552.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL)
Date Analyzed: 05/20/2022 18:20

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.: 257602
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.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-256915/1-A

Matrix: Water Lab File ID: NE0552.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL) Date Analyzed: 05/20/2022 18:20

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.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	69		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	73		10-110
93951-69-0	Fluoranthene-d10 (Surr)	72		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0552.D
Lims ID: MB 410-256915/1-A
Client ID:
Sample Type: MB
Inject. Date: 20-May-2022 18:20:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-256915/1-A
Misc. Info.: 410-0057731-003
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:33:05 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:23:59

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	4.481	4.494	-0.013	77	70769	0.2500	0.2500	
* 5 Naphthalene-d8	136	5.681	5.681	0.000	100	242371	0.2500	0.2500	
$ 9 1-Methylnaphthalene-d10	152	6.416	6.419	-0.003	99	91706	0.2500	0.1736	
* 13 Acenaphthene-d10	164	7.348	7.341	0.007	90	108887	0.2500	0.2500	
* 20 Phenanthrene-d10	188	8.755	8.750	0.005	100	182625	0.2500	0.2500	
$ 24 Fluoranthene-d10 (Surr)	212	9.887	9.889	-0.002	98	133906	0.2500	0.1811	
* 29 Chrysene-d12	240	11.405	11.406	-0.001	82	131905	0.2500	0.2500	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.230	13.216	0.006	98	85315	0.2500	0.1826	
* 38 Perylene-d12	264	13.345	13.346	-0.001	97	123694	0.2500	0.2500	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

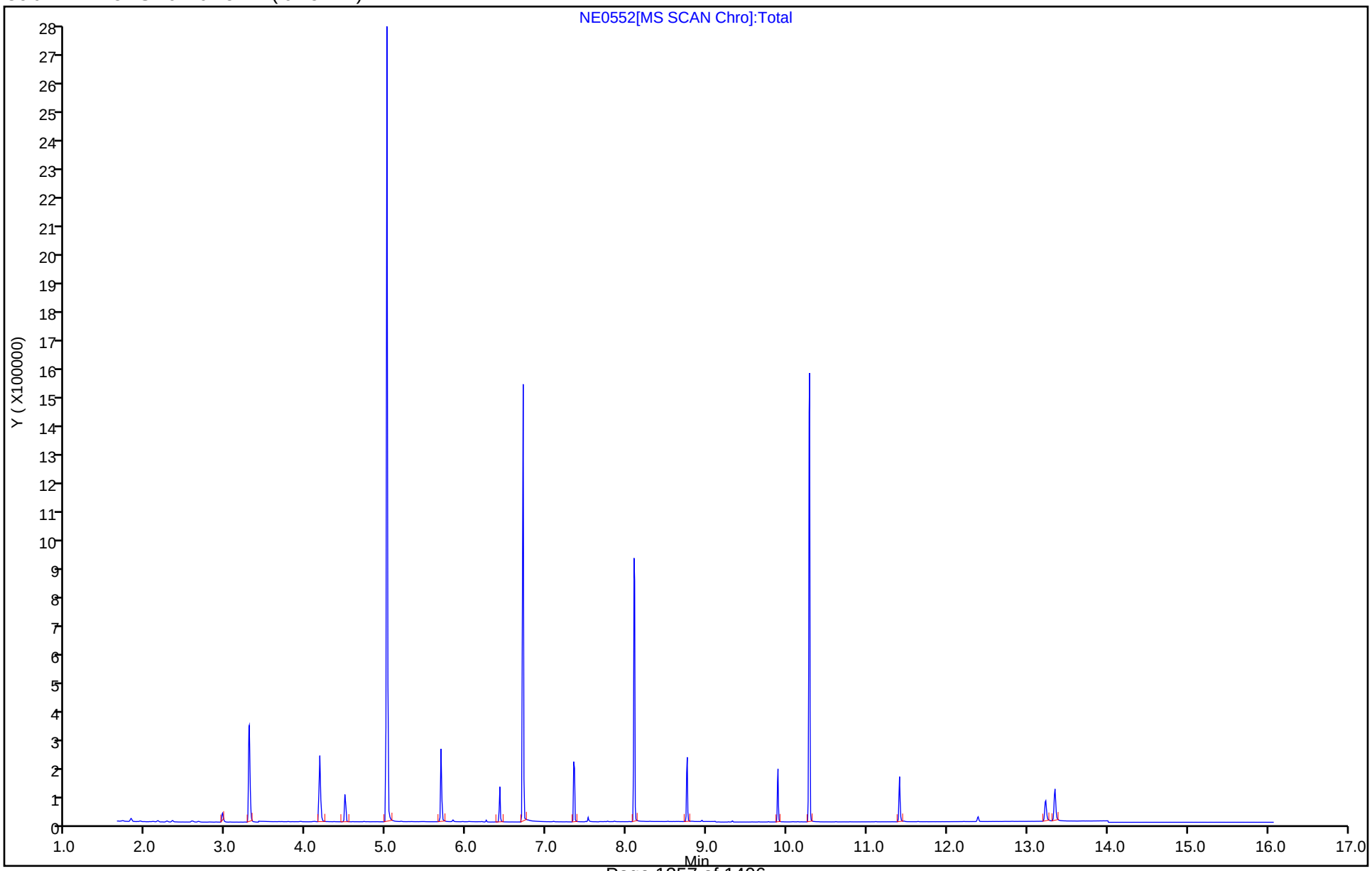
Report Date: 23-May-2022 06:33:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0552.D

Injection Date:	20-May-2022 18:20:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	MB 410-256915/1-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\20220520-57731.b\NE0552.D				
Lims ID:	MB 410-256915/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	20-May-2022 18:20:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-256915/1-A				
Misc. Info.:	410-0057731-003				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:33:05	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				

First Level Reviewer: gamblerj Date: 23-May-2022 06:23:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1736	69.43
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1811	72.43
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1826	73.03

Report Date: 23-May-2022 06:33:57 Chrom Revision: 2.3 18-May-2022 20:00:04

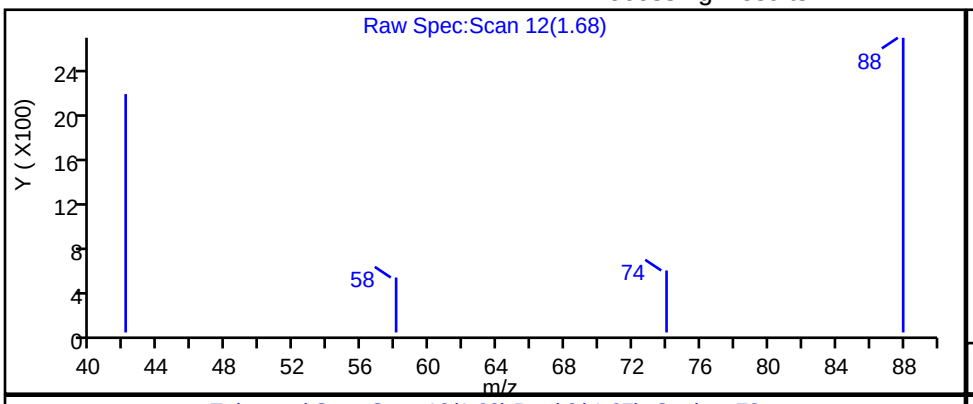
User Disabled Compound Report

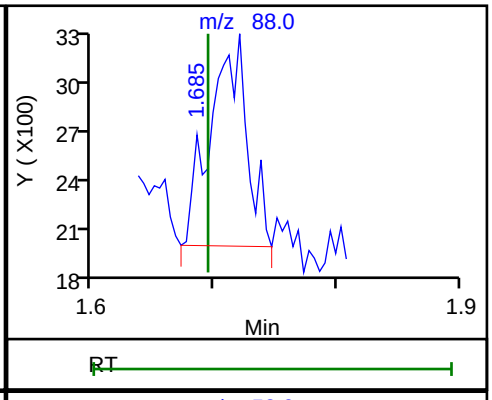
Eurofins Lancaster Laboratories Environment Testing, LLC

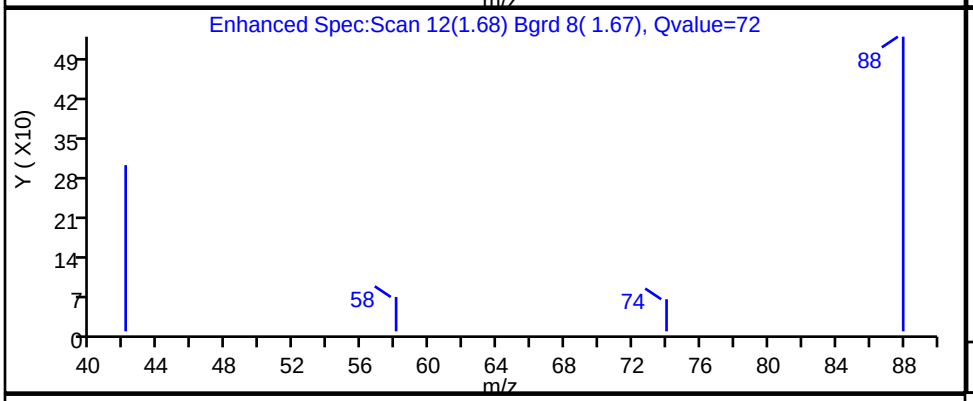
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0552.D				
Injection Date:	20-May-2022 18:20:30	Instrument ID:	HP23263		
Lims ID:	MB 410-256915/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

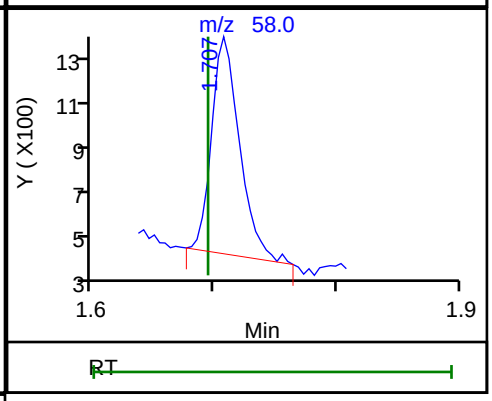
1 1,4-Dioxane, CAS: 123-91-1

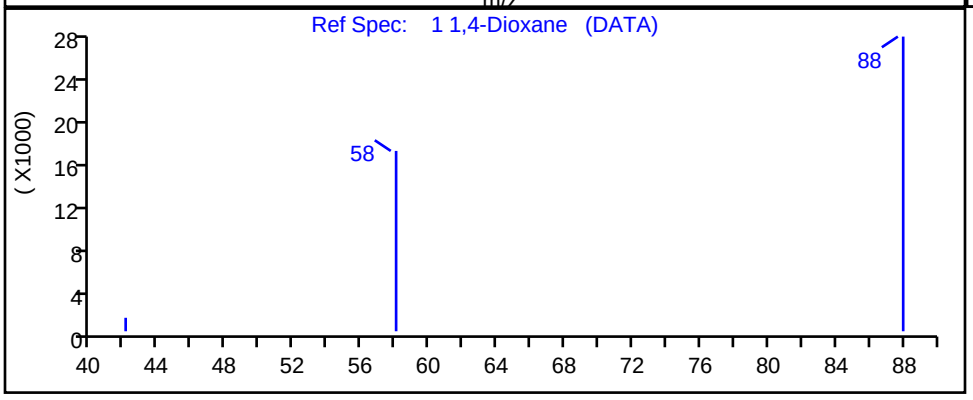
Processing Results











RT	Mass	Response	Amount
1.68	88.00	2499	0.012715
1.71	58.00	1468	

Reviewer: gamblerj, 23-May-2022 06:23:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

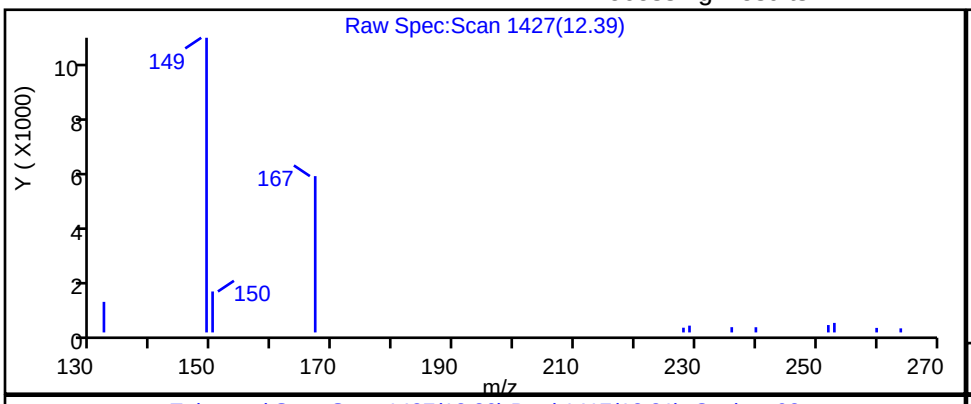
User Disabled Compound Report

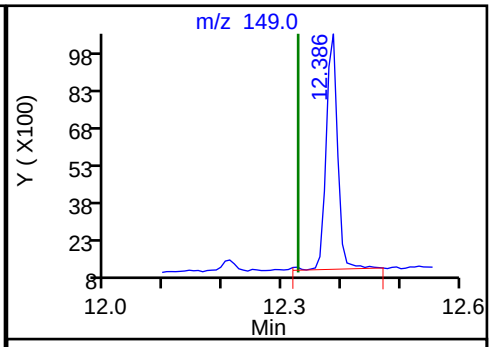
Eurofins Lancaster Laboratories Environment Testing, LLC

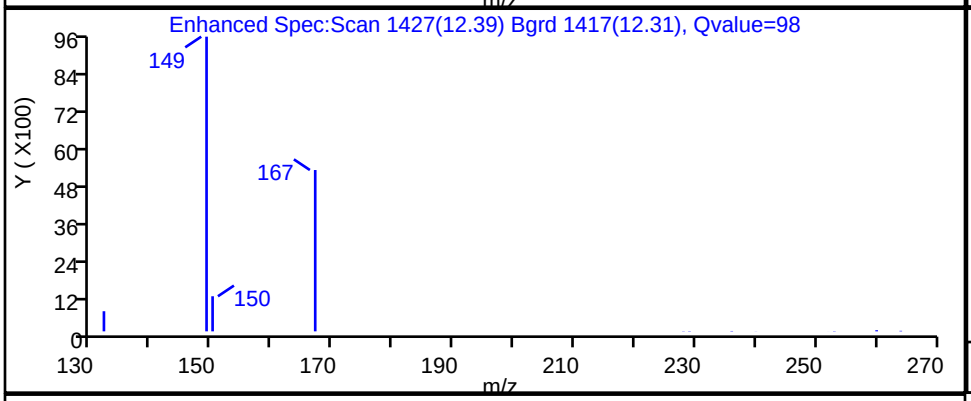
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0552.D				
Injection Date:	20-May-2022 18:20:30	Instrument ID:	HP23263		
Lims ID:	MB 410-256915/1-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

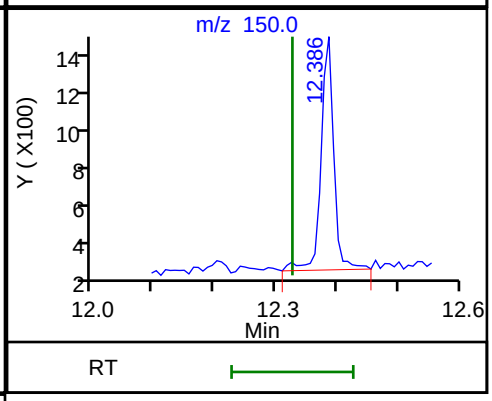
32 Di-n-octyl phthalate, CAS: 117-84-0

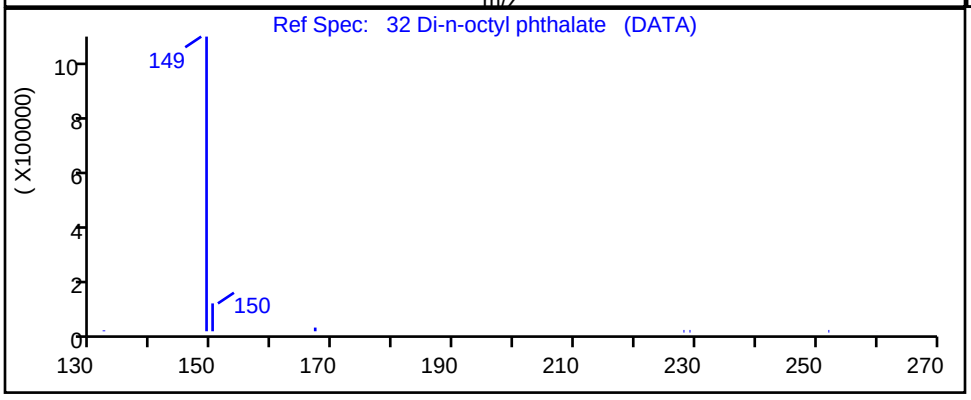
Processing Results











RT	Mass	Response	Amount
12.39	149.00	12955	0.024909
12.39	150.00	1670	

Reviewer: gamblerj, 23-May-2022 06:23:50

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.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-256915/2-A

Matrix: Water
Lab File ID: NE0553.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL)
Date Analyzed: 05/20/2022 18:41

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.415		0.30	0.10
90-12-0	1-Methylnaphthalene	0.607		0.050	0.020
91-57-6	2-Methylnaphthalene	0.585		0.050	0.020
83-32-9	Acenaphthene	0.697		0.050	0.010
208-96-8	Acenaphthylene	0.672		0.050	0.010
120-12-7	Anthracene	0.726		0.050	0.010
56-55-3	Benzo[a]anthracene	0.777		0.050	0.010
50-32-8	Benzo[a]pyrene	0.726		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.872		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.702		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.768		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.703		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.950	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.889	J	1.0	0.050
218-01-9	Chrysene	0.699		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.713		0.050	0.020
132-64-9	Dibenzofuran	0.735		0.050	0.010
84-66-2	Diethylphthalate	0.948	J	1.0	0.050
131-11-3	Dimethylphthalate	0.860	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	1.06		1.0	0.050
117-84-0	Di-n-octyl phthalate	0.921	J	1.0	0.050
206-44-0	Fluoranthene	0.763		0.050	0.010
86-73-7	Fluorene	0.716		0.050	0.010
118-74-1	Hexachlorobenzene	0.621		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.790		0.050	0.020
91-20-3	Naphthalene	0.572		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.644		0.050	0.020
85-01-8	Phenanthrene	0.713		0.070	0.030
129-00-0	Pyrene	0.682		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-256915/2-A

Matrix: Water Lab File ID: NE0553.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL) Date Analyzed: 05/20/2022 18:41

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	62		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	81		10-110
93951-69-0	Fluoranthene-d10 (Surr)	73		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0553.D
Lims ID: LCS 410-256915/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-May-2022 18:41:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-256915/2-A
Misc. Info.: 410-0057731-004
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:33:05 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:24:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.711	1.703	0.017	92	20427	0.2500	0.1038	M
	2 N-Nitrosodimethylamine	74	2.027	1.995	0.026	88	35102	0.2500	0.1609	
	3 Bis(2-chloroethyl)ether	93	4.232	4.232	0.000	100	89747	0.2500	0.1756	
*	4 1,4-Dichlorobenzene-d4	152	4.494	4.494	0.000	92	70831	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	100	265798	0.2500	0.2500	
	6 Naphthalene	128	5.706	5.706	0.000	99	190398	0.2500	0.1430	
	8 2-Methylnaphthalene	142	6.359	6.359	0.000	91	116864	0.2500	0.1461	
$	9 1-Methylnaphthalene-d10	152	6.419	6.419	0.000	99	89967	0.2500	0.1553	
	10 1-Methylnaphthalene	142	6.449	6.449	0.000	98	110192	0.2500	0.1517	
	11 Dimethyl phthalate	163	7.090	7.097	0.000	98	110174	0.2500	0.2149	
	12 Acenaphthylene	152	7.210	7.217	0.000	95	177099	0.2500	0.1680	
*	13 Acenaphthene-d10	164	7.341	7.341	0.000	89	114341	0.2500	0.2500	
	14 Acenaphthene	154	7.371	7.368	0.000	97	109655	0.2500	0.1742	
	15 Dibenzofuran	168	7.541	7.548	0.000	69	177728	0.2500	0.1837	
	16 Diethyl phthalate	149	7.761	7.761	0.000	100	123175	0.2500	0.2370	
	17 Fluorene	166	7.862	7.870	0.000	100	124984	0.2500	0.1790	
	19 Hexachlorobenzene	284	8.379	8.384	0.000	90	35023	0.2500	0.1552	
*	20 Phenanthrene-d10	188	8.750	8.750	0.000	100	188350	0.2500	0.2500	
	21 Phenanthrene	178	8.773	8.773	0.000	100	177571	0.2500	0.1782	
	22 Anthracene	178	8.819	8.819	0.000	99	170537	0.2500	0.1815	
	23 Di-n-butyl phthalate	149	9.318	9.318	0.000	100	184798	0.2500	0.2647	
$	24 Fluoranthene-d10 (Surr)	212	9.882	9.889	-0.007	100	139428	0.2500	0.1828	
	25 Fluoranthene	202	9.901	9.907	0.000	99	181658	0.2500	0.1907	
	26 Pyrene	202	10.114	10.113	0.000	99	187851	0.2500	0.1706	
	27 Butyl benzyl phthalate	149	10.785	10.777	0.000	100	62826	0.2500	0.2224	
	28 Benzo[a]anthracene	228	11.391	11.388	0.000	98	153061	0.2500	0.1944	
*	29 Chrysene-d12	240	11.398	11.406	-0.008	97	136380	0.2500	0.2500	
	30 Chrysene	228	11.429	11.429	-0.008	100	156734	0.2500	0.1749	
	31 Bis(2-ethylhexyl) phthalate	149	11.460	11.452	0.000	99	87032	0.2500	0.2376	
	32 Di-n-octyl phthalate	149	12.326	12.319	0.000	100	130470	0.2500	0.2302	
	33 Benzo[b]fluoranthene	252	12.802	12.794	0.000	100	152084	0.2500	0.2179	

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	12.833	12.839	-0.007	100	172882	0.2500	0.1921	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.224	13.216	0.000	98	102918	0.2500	0.2021	
37 Benzo[a]pyrene	252	13.254	13.254	-0.008	100	134518	0.2500	0.1814	
* 38 Perylene-d12	264	13.339	13.346	-0.007	99	134801	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.953	14.951	0.000	97	98439	0.2500	0.1976	
41 Dibenz(a,h)anthracene	278	15.002	15.001	0.000	97	104560	0.2500	0.1784	
42 Benzo[g,h,i]perylene	276	15.405	15.403	0.000	98	124019	0.2500	0.1756	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

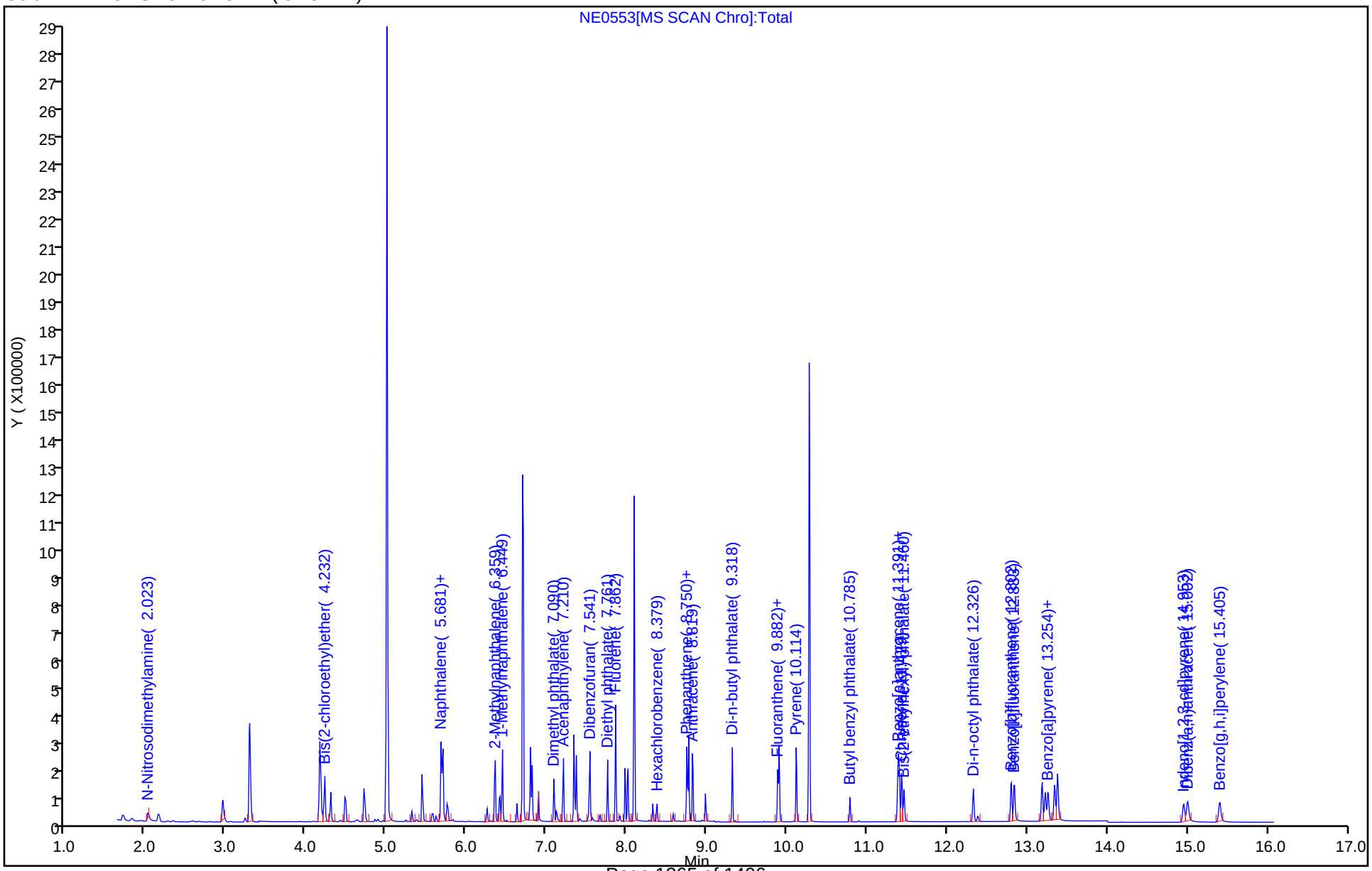
Report Date: 23-May-2022 06:33:59 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0553.D

Injection Date:	20-May-2022 18:41:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	LCS 410-256915/2-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\20220520-57731.b\NE0553.D
Lims ID: LCS 410-256915/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-May-2022 18:41:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-256915/2-A
Misc. Info.: 410-0057731-004
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:33:05 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:24:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1553	62.11
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1828	73.13
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.2021	80.84

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

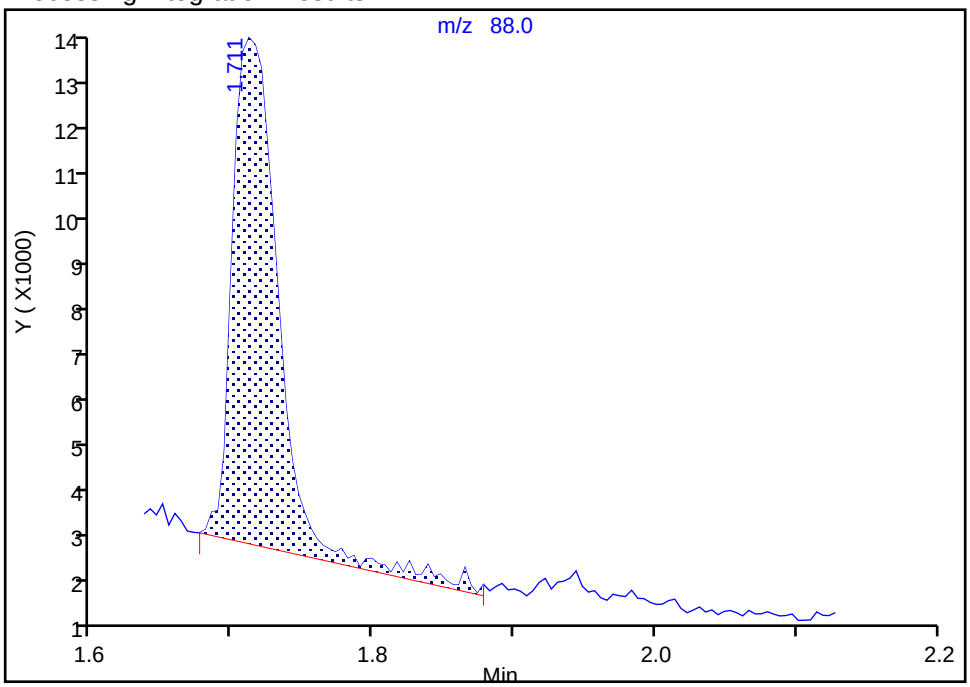
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0553.D				
Injection Date:	20-May-2022 18:41:30	Instrument ID:	HP23263		
Lims ID:	LCS 410-256915/2-A				
Client ID:					
Operator ID:	kel10217	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_HP23263	Limit Group:	MSSV - 8270D_E SIM		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

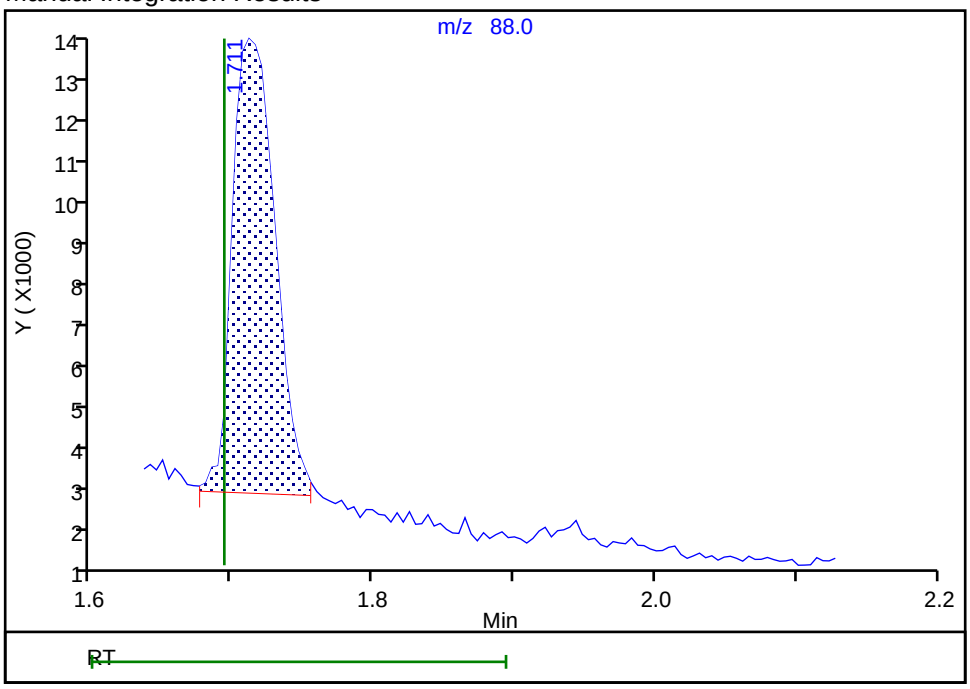
Processing Integration Results

RT: 1.71
Area: 22323
Amount: 0.113477
Amount Units: ug/ml



Manual Integration Results

RT: 1.71
Area: 20427
Amount: 0.103839
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 06:24:28

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.: 410-84076-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-256915/3-A

Matrix: Water
Lab File ID: NE0554.D

Analysis Method: 8270D SIM
Date Collected:

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL)
Date Analyzed: 05/20/2022 19:03

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.509		0.30	0.10
90-12-0	1-Methylnaphthalene	0.615		0.050	0.020
91-57-6	2-Methylnaphthalene	0.570		0.050	0.020
83-32-9	Acenaphthene	0.706		0.050	0.010
208-96-8	Acenaphthylene	0.673		0.050	0.010
120-12-7	Anthracene	0.715		0.050	0.010
56-55-3	Benzo[a]anthracene	0.803		0.050	0.010
50-32-8	Benzo[a]pyrene	0.736		0.050	0.010
205-99-2	Benzo[b]fluoranthene	0.886		0.050	0.010
191-24-2	Benzo[g,h,i]perylene	0.733		0.050	0.010
207-08-9	Benzo[k]fluoranthene	0.775		0.050	0.010
111-44-4	Bis(2-chloroethyl)ether	0.707		0.050	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.944	J	1.0	0.050
85-68-7	Butylbenzylphthalate	0.779	J	1.0	0.050
218-01-9	Chrysene	0.713		0.050	0.010
53-70-3	Dibenz(a,h)anthracene	0.745		0.050	0.020
132-64-9	Dibenzofuran	0.745		0.050	0.010
84-66-2	Diethylphthalate	0.896	J	1.0	0.050
131-11-3	Dimethylphthalate	0.729	J	1.0	0.050
84-74-2	Di-n-butyl phthalate	1.02		1.0	0.050
117-84-0	Di-n-octyl phthalate	0.937	J	1.0	0.050
206-44-0	Fluoranthene	0.751		0.050	0.010
86-73-7	Fluorene	0.720		0.050	0.010
118-74-1	Hexachlorobenzene	0.606		0.050	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.804		0.050	0.020
91-20-3	Naphthalene	0.586		0.070	0.030
62-75-9	N-Nitrosodimethylamine	0.686		0.050	0.020
85-01-8	Phenanthrene	0.707		0.070	0.030
129-00-0	Pyrene	0.683		0.050	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-256915/3-A

Matrix: Water Lab File ID: NE0554.D

Analysis Method: 8270D SIM Date Collected:

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 250(mL) Date Analyzed: 05/20/2022 19:03

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	62		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	76		10-110
93951-69-0	Fluoranthene-d10 (Surr)	71		47-128

Report Date: 23-May-2022 06:34:00 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0554.D
Lims ID: LCSD 410-256915/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 20-May-2022 19:03:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-256915/3-A
Misc. Info.: 410-0057731-005
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:33:05 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:25:47

	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	1.711	1.703	0.017	95	24661	0.2500	0.1273	
	2 N-Nitrosodimethylamine	74	2.022	1.995	0.021	87	36831	0.2500	0.1715	
	3 Bis(2-chloroethyl)ether	93	4.232	4.232	0.000	100	87599	0.2500	0.1766	
*	4 1,4-Dichlorobenzene-d4	152	4.494	4.494	0.000	94	69727	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	100	257978	0.2500	0.2500	
	6 Naphthalene	128	5.706	5.706	0.000	99	189230	0.2500	0.1464	
	8 2-Methylnaphthalene	142	6.359	6.359	0.000	94	110594	0.2500	0.1425	
$	9 1-Methylnaphthalene-d10	152	6.419	6.419	0.000	98	86603	0.2500	0.1540	
	10 1-Methylnaphthalene	142	6.449	6.449	0.000	99	108349	0.2500	0.1537	
	11 Dimethyl phthalate	163	7.090	7.097	0.000	99	91789	0.2500	0.1822	
	12 Acenaphthylene	152	7.210	7.217	0.000	95	174402	0.2500	0.1683	
*	13 Acenaphthene-d10	164	7.340	7.341	-0.001	88	112367	0.2500	0.2500	
	14 Acenaphthene	154	7.370	7.368	-0.001	97	109090	0.2500	0.1764	
	15 Dibenzofuran	168	7.541	7.548	0.000	69	177069	0.2500	0.1862	
	16 Diethyl phthalate	149	7.761	7.761	0.000	100	114415	0.2500	0.2241	
	17 Fluorene	166	7.862	7.870	0.000	99	123457	0.2500	0.1799	
	19 Hexachlorobenzene	284	8.379	8.384	0.000	91	34038	0.2500	0.1516	
*	20 Phenanthrene-d10	188	8.750	8.750	0.000	100	187382	0.2500	0.2500	
	21 Phenanthrene	178	8.773	8.773	0.000	100	175090	0.2500	0.1766	
	22 Anthracene	178	8.819	8.819	0.000	99	167160	0.2500	0.1789	
	23 Di-n-butyl phthalate	149	9.318	9.318	0.000	100	177683	0.2500	0.2558	
$	24 Fluoranthene-d10 (Surr)	212	9.882	9.889	-0.007	100	134527	0.2500	0.1773	
	25 Fluoranthene	202	9.901	9.907	0.000	99	178000	0.2500	0.1878	
	26 Pyrene	202	10.114	10.113	0.000	99	181044	0.2500	0.1708	
	27 Butyl benzyl phthalate	149	10.785	10.777	0.000	100	52936	0.2500	0.1946	
	28 Benzo[a]anthracene	228	11.390	11.388	-0.001	97	152198	0.2500	0.2008	
*	29 Chrysene-d12	240	11.398	11.406	-0.008	100	131282	0.2500	0.2500	
	30 Chrysene	228	11.429	11.429	-0.008	100	153726	0.2500	0.1782	
	31 Bis(2-ethylhexyl) phthalate	149	11.460	11.452	0.000	99	83215	0.2500	0.2360	
	32 Di-n-octyl phthalate	149	12.326	12.319	0.000	100	125851	0.2500	0.2342	
	33 Benzo[b]fluoranthene	252	12.794	12.794	-0.008	100	146557	0.2500	0.2215	

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	12.832	12.839	-0.008	100	165392	0.2500	0.1938	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.224	13.216	0.000	99	91914	0.2500	0.1904	
37 Benzo[a]pyrene	252	13.262	13.254	0.000	100	129412	0.2500	0.1841	
* 38 Perylene-d12	264	13.339	13.346	-0.007	98	127790	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.952	14.951	-0.001	97	94878	0.2500	0.2009	
41 Dibenz(a,h)anthracene	278	15.002	15.001	0.000	97	103528	0.2500	0.1863	
42 Benzo[g,h,i]perylene	276	15.397	15.403	-0.008	100	122681	0.2500	0.1832	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

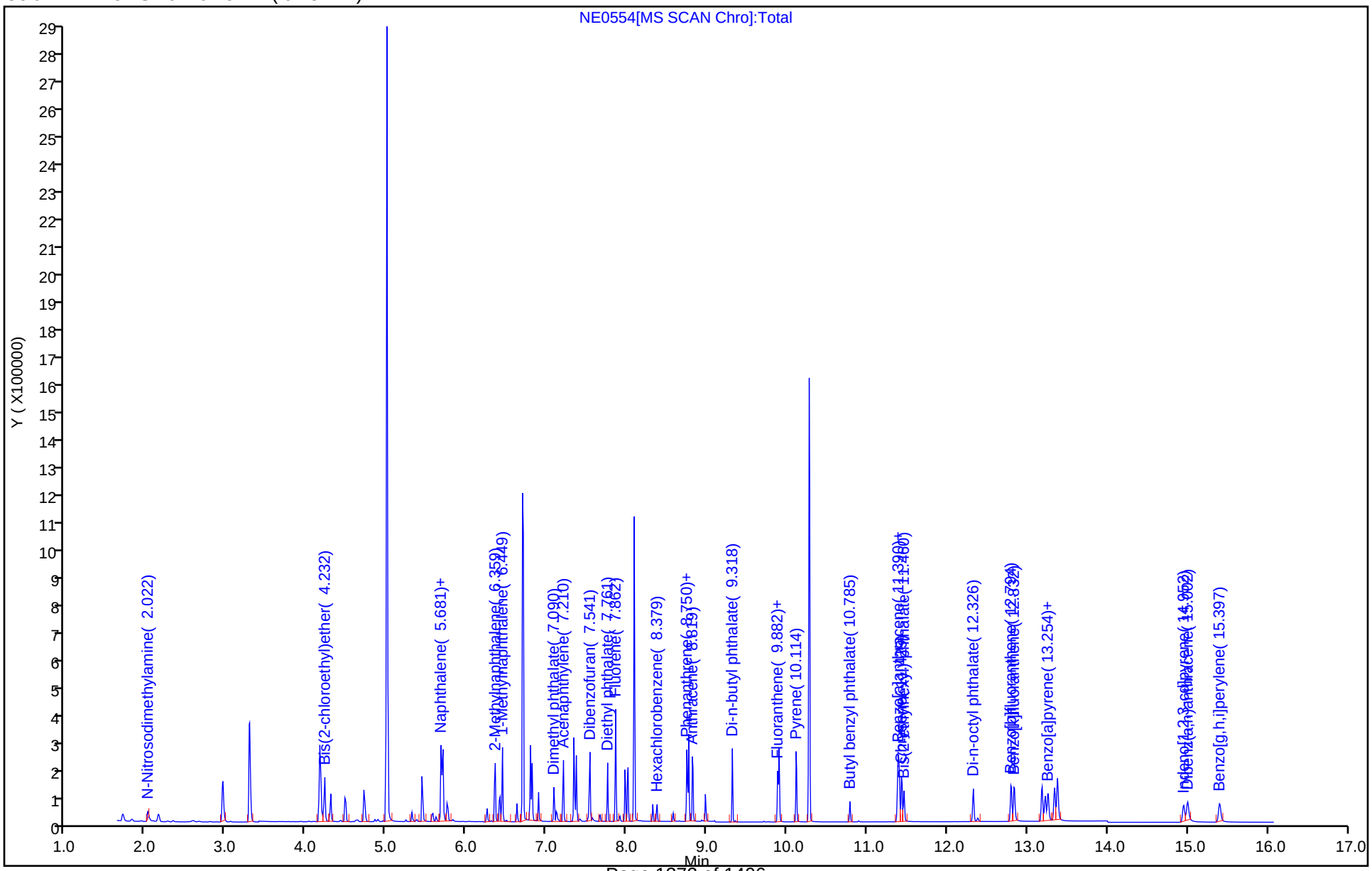
Report Date: 23-May-2022 06:34:00 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0554.D

Injection Date:	20-May-2022 19:03:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	LCSD 410-256915/3-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\20220520-57731.b\NE0554.D
Lims ID: LCSD 410-256915/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 20-May-2022 19:03:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-256915/3-A
Misc. Info.: 410-0057731-005
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:33:05 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 06:25:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1540	61.60
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1773	70.92
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1904	76.15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MS_052022 MS
Lab Sample ID: 410-84076-1 MS

Matrix: Water
Lab File ID: NE0578.D

Analysis Method: 8270D SIM
Date Collected: 05/12/2022 09:22

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 247.4(mL)
Date Analyzed: 05/21/2022 03:43

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.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.550		0.30	0.10
90-12-0	1-Methylnaphthalene	0.689		0.051	0.020
91-57-6	2-Methylnaphthalene	0.645		0.051	0.020
83-32-9	Acenaphthene	0.800		0.051	0.010
208-96-8	Acenaphthylene	0.741		0.051	0.010
120-12-7	Anthracene	0.820		0.051	0.010
56-55-3	Benzo[a]anthracene	0.863		0.051	0.010
50-32-8	Benzo[a]pyrene	0.769		0.051	0.010
205-99-2	Benzo[b]fluoranthene	0.970		0.051	0.010
191-24-2	Benzo[g,h,i]perylene	0.724		0.051	0.010
207-08-9	Benzo[k]fluoranthene	0.825		0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	0.746		0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	1.04		1.0	0.051
85-68-7	Butylbenzylphthalate	0.703	J	1.0	0.051
218-01-9	Chrysene	0.799		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	0.717		0.051	0.020
132-64-9	Dibenzofuran	0.798		0.051	0.010
84-66-2	Diethylphthalate	0.917	J	1.0	0.051
131-11-3	Dimethylphthalate	0.676	J	1.0	0.051
84-74-2	Di-n-butyl phthalate	1.17		1.0	0.051
117-84-0	Di-n-octyl phthalate	0.990	J	1.0	0.051
206-44-0	Fluoranthene	0.858		0.051	0.010
86-73-7	Fluorene	0.795		0.051	0.010
118-74-1	Hexachlorobenzene	0.760		0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.770		0.051	0.020
91-20-3	Naphthalene	0.597		0.071	0.030
62-75-9	N-Nitrosodimethylamine	0.748		0.051	0.020
85-01-8	Phenanthrene	0.816		0.071	0.030
129-00-0	Pyrene	0.764		0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MS_052022 MS Lab Sample ID: 410-84076-1 MS

Matrix: Water Lab File ID: NE0578.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:22

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 247.4(mL) Date Analyzed: 05/21/2022 03:43

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.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	67		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	78		10-110
93951-69-0	Fluoranthene-d10 (Surr)	78		47-128

Report Date: 23-May-2022 06:34:14 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0578.D
Lims ID: 410-84076-B-1-A MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 21-May-2022 03:43:30 ALS Bottle#: 28 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-1-A MS
Misc. Info.: 410-0057731-023
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:34:02 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 05:57:29

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.703	0.013	93	26904	0.2500	0.1361	
	2 N-Nitrosodimethylamine	74	2.018	1.995	0.017	85	40561	0.2500	0.1850	
	3 Bis(2-chloroethyl)ether	93	4.232	4.232	0.000	93	98713	0.2500	0.1845	
*	4 1,4-Dichlorobenzene-d4	152	4.482	4.494	-0.012	84	71174	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	100	278326	0.2500	0.2500	
	6 Naphthalene	128	5.694	5.706	-0.012	86	206055	0.2500	0.1478	M
	8 2-Methylnaphthalene	142	6.349	6.359	-0.010	94	133602	0.2500	0.1596	
$	9 1-Methylnaphthalene-d10	152	6.409	6.419	-0.010	99	101390	0.2500	0.1671	
	10 1-Methylnaphthalene	142	6.449	6.449	0.000	96	129719	0.2500	0.1706	
	11 Dimethyl phthalate	163	7.090	7.097	0.000	99	87639	0.2500	0.1673	
	12 Acenaphthylene	152	7.210	7.217	0.000	97	197368	0.2500	0.1833	
*	13 Acenaphthene-d10	164	7.341	7.341	-0.001	96	116810	0.2500	0.2500	
	14 Acenaphthene	154	7.371	7.368	0.000	94	127313	0.2500	0.1980	
	15 Dibenzofuran	168	7.541	7.548	0.000	67	195127	0.2500	0.1974	
	16 Diethyl phthalate	149	7.761	7.761	0.000	98	120427	0.2500	0.2269	
	17 Fluorene	166	7.862	7.870	0.000	99	140241	0.2500	0.1966	
	19 Hexachlorobenzene	284	8.379	8.384	0.000	81	41698	0.2500	0.1880	
*	20 Phenanthrene-d10	188	8.750	8.750	0.000	100	185080	0.2500	0.2500	
	21 Phenanthrene	178	8.773	8.773	0.000	100	197577	0.2500	0.2018	
	22 Anthracene	178	8.819	8.819	0.000	100	187167	0.2500	0.2028	
	23 Di-n-butyl phthalate	149	9.318	9.318	0.000	100	197909	0.2500	0.2885	
$	24 Fluoranthene-d10 (Surr)	212	9.882	9.889	-0.007	99	145988	0.2500	0.1948	
	25 Fluoranthene	202	9.901	9.907	0.000	98	198638	0.2500	0.2122	
	26 Pyrene	202	10.114	10.113	0.000	98	208609	0.2500	0.1891	
	27 Butyl benzyl phthalate	149	10.785	10.777	0.000	100	49257	0.2500	0.1740	
	28 Benzo[a]anthracene	228	11.383	11.388	-0.008	82	168515	0.2500	0.2135	
*	29 Chrysene-d12	240	11.398	11.406	-0.008	92	136675	0.2500	0.2500	
	30 Chrysene	228	11.429	11.429	-0.008	100	177533	0.2500	0.1976	
	31 Bis(2-ethylhexyl) phthalate	149	11.460	11.452	0.000	99	94881	0.2500	0.2584	
	32 Di-n-octyl phthalate	149	12.319	12.319	-0.007	100	133297	0.2500	0.2450	
	33 Benzo[b]fluoranthene	252	12.794	12.794	-0.008	100	160789	0.2500	0.2400	

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	12.833	12.839	-0.008	100	176418	0.2500	0.2042	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.224	13.216	0.000	97	95662	0.2500	0.1957	
37 Benzo[a]pyrene	252	13.254	13.254	-0.008	100	135450	0.2500	0.1903	
* 38 Perylene-d12	264	13.339	13.346	-0.007	97	129418	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.945	14.951	-0.008	98	91074	0.2500	0.1904	
41 Dibenz(a,h)anthracene	278	15.002	15.001	0.000	97	99855	0.2500	0.1774	
42 Benzo[g,h,i]perylene	276	15.397	15.403	-0.008	98	121492	0.2500	0.1792	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

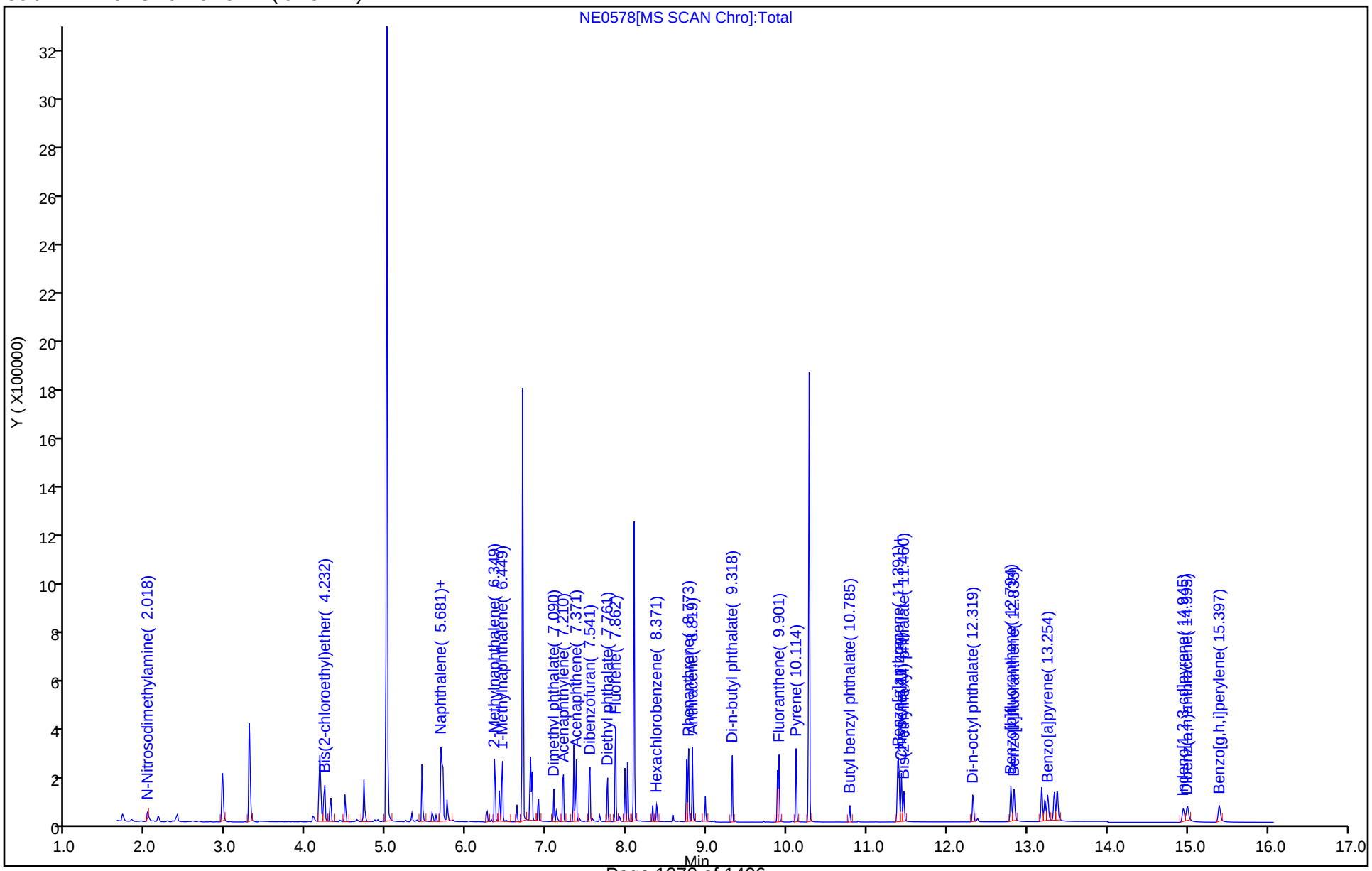
Report Date: 23-May-2022 06:34:14 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0578.D

Injection Date:	21-May-2022 03:43:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-84076-B-1-A MS			Worklist Smp#:	23
Client ID:	FBW001_MS_052022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
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\20220520-57731.b\NE0578.D
Lims ID: 410-84076-B-1-A MS
Client ID: FBW001_MS_052022
Sample Type: MS
Inject. Date: 21-May-2022 03:43:30 ALS Bottle#: 28 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-1-A MS
Misc. Info.: 410-0057731-023
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:34:02 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 05:57:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1671	66.85
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1948	77.92
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1957	78.26

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

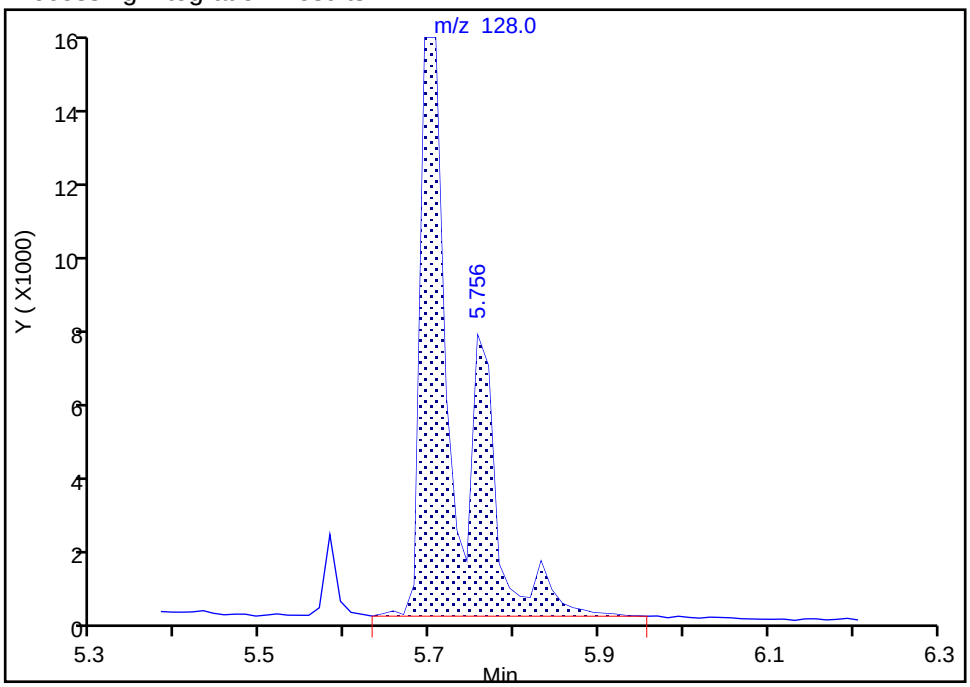
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0578.D				
Injection Date:	21-May-2022 03:43:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-1-A MS				
Client ID:	FBW001_MS_052022				
Operator ID:	kel10217	ALS Bottle#:	28	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

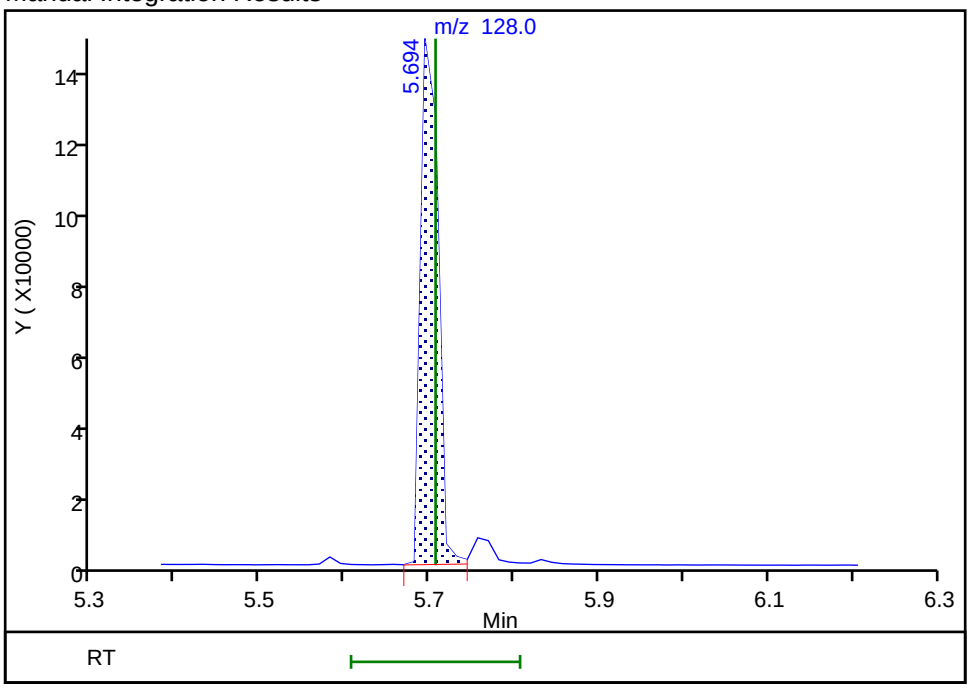
Processing Integration Results

RT: 5.76
Area: 222321
Amount: 0.159462
Amount Units: ug/ml



Manual Integration Results

RT: 5.69
Area: 206055
Amount: 0.147795
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 05:57:09

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MSD_052022 MSD
Lab Sample ID: 410-84076-1 MSD

Matrix: Water
Lab File ID: NE0579.D

Analysis Method: 8270D SIM
Date Collected: 05/12/2022 09:22

Extract. Method: 3510C
Date Extracted: 05/19/2022 09:47

Sample wt/vol: 247(mL)
Date Analyzed: 05/21/2022 04:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 257602
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.515		0.30	0.10
90-12-0	1-Methylnaphthalene	0.668		0.051	0.020
91-57-6	2-Methylnaphthalene	0.629		0.051	0.020
83-32-9	Acenaphthene	0.693		0.051	0.010
208-96-8	Acenaphthylene	0.705		0.051	0.010
120-12-7	Anthracene	0.738		0.051	0.010
56-55-3	Benzo[a]anthracene	0.781		0.051	0.010
50-32-8	Benzo[a]pyrene	0.722		0.051	0.010
205-99-2	Benzo[b]fluoranthene	0.870		0.051	0.010
191-24-2	Benzo[g,h,i]perylene	0.686		0.051	0.010
207-08-9	Benzo[k]fluoranthene	0.756		0.051	0.010
111-44-4	Bis(2-chloroethyl)ether	0.701		0.051	0.020
117-81-7	Bis(2-ethylhexyl) phthalate	0.924	J	1.0	0.051
85-68-7	Butylbenzylphthalate	0.663	J	1.0	0.051
218-01-9	Chrysene	0.733		0.051	0.010
53-70-3	Dibenz(a,h)anthracene	0.668		0.051	0.020
132-64-9	Dibenzofuran	0.777		0.051	0.010
84-66-2	Diethylphthalate	0.883	J	1.0	0.051
131-11-3	Dimethylphthalate	0.660	J	1.0	0.051
84-74-2	Di-n-butyl phthalate	1.05		1.0	0.051
117-84-0	Di-n-octyl phthalate	0.902	J	1.0	0.051
206-44-0	Fluoranthene	0.771		0.051	0.010
86-73-7	Fluorene	0.757		0.051	0.010
118-74-1	Hexachlorobenzene	0.722		0.051	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.719		0.051	0.020
91-20-3	Naphthalene	0.581		0.071	0.030
62-75-9	N-Nitrosodimethylamine	0.691		0.051	0.020
85-01-8	Phenanthrene	0.745		0.071	0.030
129-00-0	Pyrene	0.703		0.051	0.010

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-84076-1

SDG No.:

Client Sample ID: FBW001_MSD_052022 MSD Lab Sample ID: 410-84076-1 MSD

Matrix: Water Lab File ID: NE0579.D

Analysis Method: 8270D SIM Date Collected: 05/12/2022 09:22

Extract. Method: 3510C Date Extracted: 05/19/2022 09:47

Sample wt/vol: 247(mL) Date Analyzed: 05/21/2022 04:04

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor: Level: (low/med) Low

Analysis Batch No.: 257602 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
38072-94-5	1-Methylnaphthalene-d10 (Surr)	66		36-111
63466-71-7	Benzo(a)pyrene-d12 (Surr)	73		10-110
93951-69-0	Fluoranthene-d10 (Surr)	73		47-128

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0579.D
Lims ID: 410-84076-B-1-B MSD
Client ID: FBW001_MSD_052022
Sample Type: MSD
Inject. Date: 21-May-2022 04:04:30 ALS Bottle#: 29 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-84076-B-1-B MSD
Misc. Info.: 410-0057731-024
Operator ID: kel10217 Instrument ID: HP23263

Method: \\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m
Limit Group: MSSV - 8270D_E SIM
Last Update: 23-May-2022 06:34:02 Calib Date: 29-Apr-2022 17:03:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: gamblerj Date: 23-May-2022 05:58:08

	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	1.707	1.703	0.013	94	25572	0.2500	0.1272	
	2 N-Nitrosodimethylamine	74	2.018	1.995	0.017	88	38060	0.2500	0.1707	
	3 Bis(2-chloroethyl)ether	93	4.232	4.232	0.000	92	89905	0.2500	0.1731	
*	4 1,4-Dichlorobenzene-d4	152	4.482	4.494	-0.012	88	72366	0.2500	0.2500	
*	5 Naphthalene-d8	136	5.681	5.681	0.000	100	270251	0.2500	0.2500	
	6 Naphthalene	128	5.694	5.706	-0.012	98	194285	0.2500	0.1435	M
	8 2-Methylnaphthalene	142	6.356	6.359	-0.003	97	126250	0.2500	0.1553	
$	9 1-Methylnaphthalene-d10	152	6.417	6.419	-0.002	99	96822	0.2500	0.1644	
	10 1-Methylnaphthalene	142	6.447	6.449	-0.002	98	121796	0.2500	0.1649	
	11 Dimethyl phthalate	163	7.088	7.097	-0.002	100	83016	0.2500	0.1630	
	12 Acenaphthylene	152	7.208	7.217	-0.002	95	182352	0.2500	0.1741	
*	13 Acenaphthene-d10	164	7.338	7.341	-0.003	89	113597	0.2500	0.2500	
	14 Acenaphthene	154	7.368	7.368	-0.003	97	107061	0.2500	0.1712	
	15 Dibenzofuran	168	7.538	7.548	-0.003	69	184426	0.2500	0.1919	
	16 Diethyl phthalate	149	7.759	7.761	-0.002	99	112636	0.2500	0.2182	
	17 Fluorene	166	7.859	7.870	-0.003	99	129687	0.2500	0.1869	
	19 Hexachlorobenzene	284	8.377	8.384	-0.002	90	39686	0.2500	0.1784	
*	20 Phenanthrene-d10	188	8.747	8.750	-0.003	100	185721	0.2500	0.2500	
	21 Phenanthrene	178	8.771	8.773	-0.003	100	180801	0.2500	0.1840	
	22 Anthracene	178	8.817	8.819	-0.002	98	168945	0.2500	0.1824	
	23 Di-n-butyl phthalate	149	9.317	9.318	-0.001	100	178891	0.2500	0.2598	
$	24 Fluoranthene-d10 (Surr)	212	9.881	9.889	-0.008	99	137196	0.2500	0.1824	
	25 Fluoranthene	202	9.900	9.907	-0.001	98	178912	0.2500	0.1905	
	26 Pyrene	202	10.113	10.113	-0.001	98	182698	0.2500	0.1737	
	27 Butyl benzyl phthalate	149	10.784	10.777	-0.001	100	44208	0.2500	0.1637	
	28 Benzo[a]anthracene	228	11.390	11.388	-0.001	95	145076	0.2500	0.1928	
*	29 Chrysene-d12	240	11.397	11.406	-0.009	93	130318	0.2500	0.2500	
	30 Chrysene	228	11.428	11.429	-0.009	100	155022	0.2500	0.1810	
	31 Bis(2-ethylhexyl) phthalate	149	11.459	11.452	-0.001	99	79874	0.2500	0.2282	
	32 Di-n-octyl phthalate	149	12.325	12.319	-0.001	100	113662	0.2500	0.2227	
	33 Benzo[b]fluoranthene	252	12.793	12.794	-0.009	100	135077	0.2500	0.2150	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Benzo[k]fluoranthene	252	12.831	12.839	-0.009	100	151222	0.2500	0.1866	
$ 36 Benzo(a)pyrene-d12 (Surr)	264	13.223	13.216	-0.001	97	83949	0.2500	0.1831	
37 Benzo[a]pyrene	252	13.253	13.254	-0.009	100	118993	0.2500	0.1783	
* 38 Perylene-d12	264	13.338	13.346	-0.008	97	121364	0.2500	0.2500	
40 Indeno[1,2,3-cd]pyrene	276	14.945	14.951	-0.008	98	79704	0.2500	0.1777	
41 Dibenz(a,h)anthracene	278	15.001	15.001	-0.001	96	87126	0.2500	0.1651	
42 Benzo[g,h,i]perylene	276	15.397	15.403	-0.008	98	107686	0.2500	0.1693	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

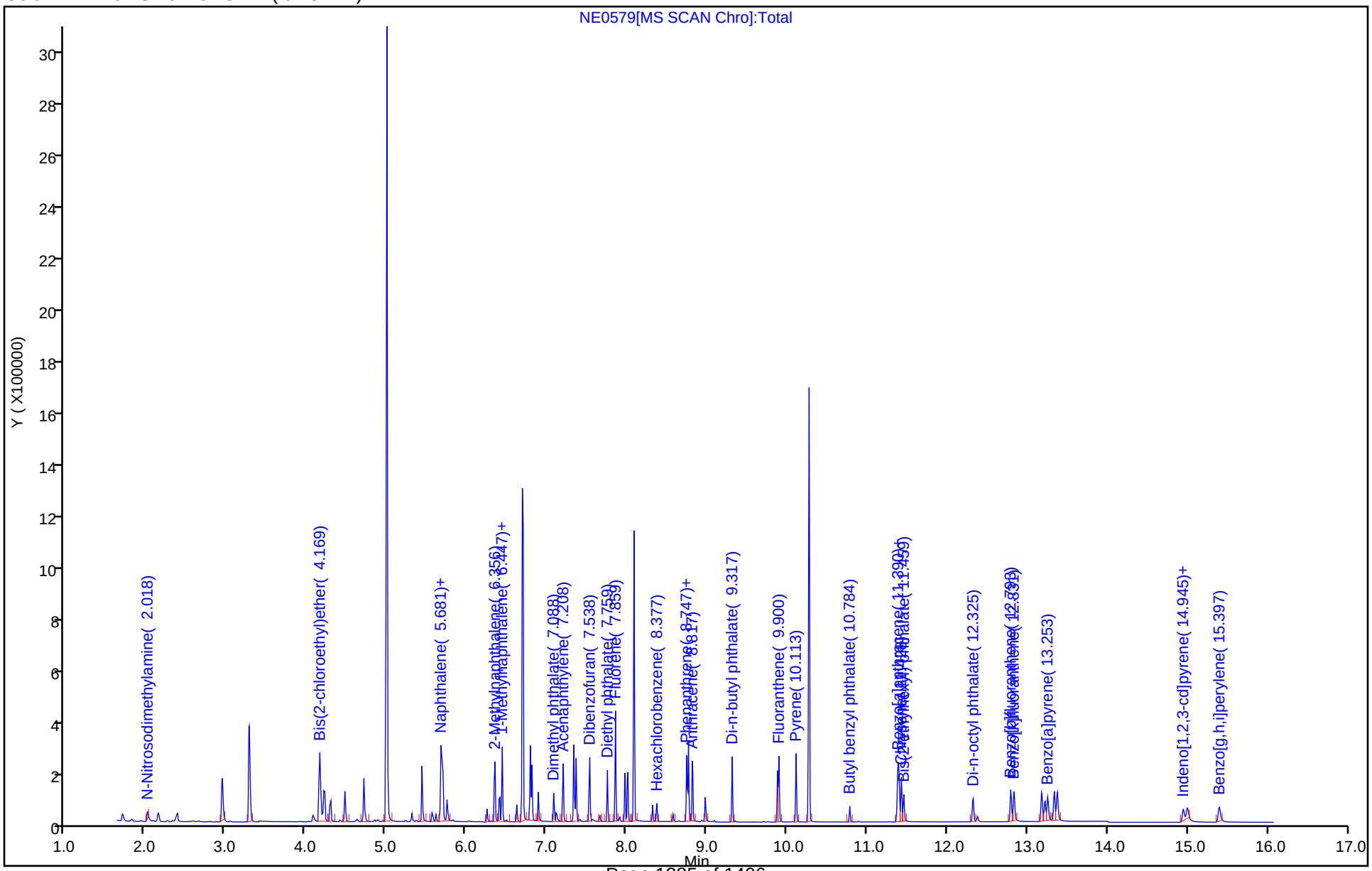
MSS_RVSIM_IS_00026 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 23-May-2022 06:34:15 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0579.D				
Injection Date:	21-May-2022 04:04:30	Instrument ID:	HP23263	Operator ID:	kel10217
Lims ID:	410-84076-B-1-B MSD			Worklist Smp#:	24
Client ID:	FBW001_MSD_052022				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
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\20220520-57731.b\NE0579.D				
Lims ID:	410-84076-B-1-B MSD				
Client ID:	FBW001_MSD_052022				
Sample Type:	MSD				
Inject. Date:	21-May-2022 04:04:30	ALS Bottle#:	29	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-84076-B-1-B MSD				
Misc. Info.:	410-0057731-024				
Operator ID:	kel10217	Instrument ID:	HP23263		
Method:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\8270_SIM_HP23263.m				
Limit Group:	MSSV - 8270D_E SIM				
Last Update:	23-May-2022 06:34:02	Calib Date:	29-Apr-2022 17:03:30		
Integrator:	Falcon	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23263\20220429-56077.b\ND1406.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1620				

First Level Reviewer: gamblerj Date: 23-May-2022 05:58:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1-Methylnaphthalene-d10	0.2500	0.1644	65.74
$ 24 Fluoranthene-d10 (Surr)	0.2500	0.1824	72.98
$ 36 Benzo(a)pyrene-d12 (Surr)	0.2500	0.1831	73.24

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

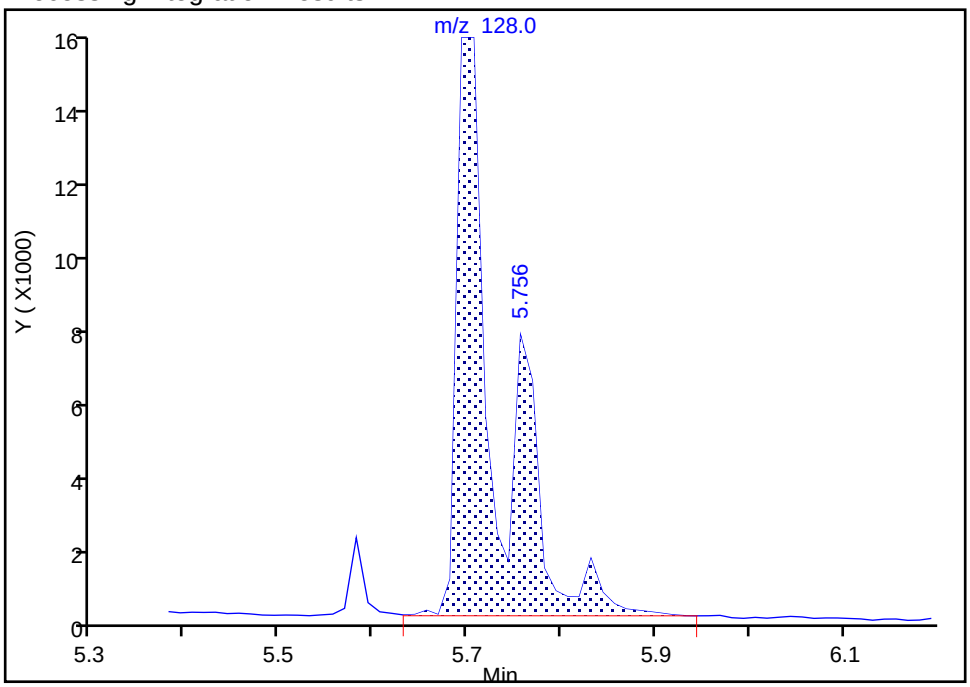
Data File:	\\chromfs\Lancaster\ChromData\HP23263\20220520-57731.b\NE0579.D				
Injection Date:	21-May-2022 04:04:30	Instrument ID:	HP23263		
Lims ID:	410-84076-B-1-B MSD				
Client ID:	FBW001_MSD_052022				
Operator ID:	kel10217	ALS Bottle#:	29	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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

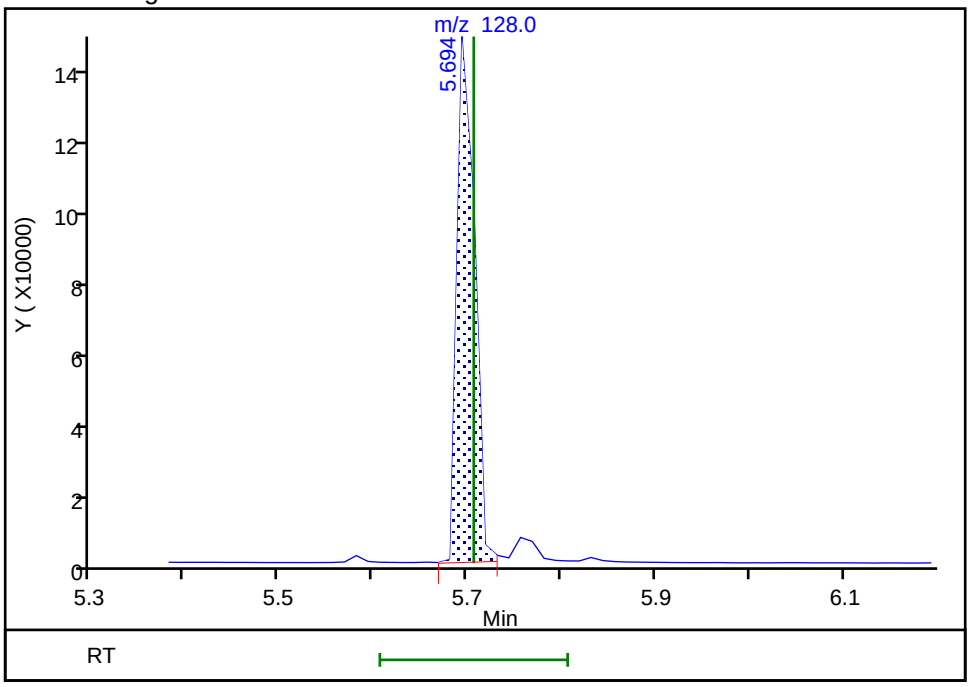
Processing Integration Results

RT: 5.76
Area: 210692
Amount: 0.155636
Amount Units: ug/ml



Manual Integration Results

RT: 5.69
Area: 194285
Amount: 0.143516
Amount Units: ug/ml



Reviewer: gamblerj, 23-May-2022 05:57:56

Audit Action: Manually Integrated Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP23263 Start Date: 04/29/2022 14:24

Analysis Batch Number: 250058 End Date: 04/30/2022 00:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-250058/1		04/29/2022 14:24	1	ND1400.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-250058/2		04/29/2022 14:59	1	ND1401.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/3		04/29/2022 15:37	1	ND1402.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/4		04/29/2022 15:59	1	ND1403.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/5		04/29/2022 16:20	1	ND1404.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/6		04/29/2022 16:42	1	ND1405.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-250058/7		04/29/2022 17:03	1	ND1406.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-250058/8		04/29/2022 17:25	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-250058/9		04/29/2022 17:47	1	ND1408.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-250058/10		04/29/2022 18:08	1	ND1409.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 18:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 19:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 20:16	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 20:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 21:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 21:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:04	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 22:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/29/2022 23:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/30/2022 00:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		04/30/2022 00:35	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Start Date: 05/20/2022 07:00

Analysis Batch Number: 257357 End Date: 05/20/2022 14:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-257357/1		05/20/2022 07:00	1	ME1200.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-257357/2		05/20/2022 07:20	1	ME1201.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-257357/3		05/20/2022 07:41	1	ME1202.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-257357/4		05/20/2022 08:03	1	ME1203.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-257357/5		05/20/2022 08:24	1	ME1204.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-257357/6		05/20/2022 08:46	1	ME1205.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-257357/7		05/20/2022 09:08	1	ME1206.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-257357/8		05/20/2022 09:29	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-257357/9		05/20/2022 10:55	1	ME1208a.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 11:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 11:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 12:00	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 12:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 12:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 13:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 13:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 13:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 14:09	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP23263 Start Date: 05/20/2022 17:22

Analysis Batch Number: 257602 End Date: 05/21/2022 05:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-257602/1		05/20/2022 17:22	1	NE0550.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-257602/2		05/20/2022 17:41	1	NE0551.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-256915/1-A		05/20/2022 18:20	1	NE0552.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-256915/2-A		05/20/2022 18:41	1	NE0553.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-256915/3-A		05/20/2022 19:03	1	NE0554.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 20:30	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 20:51	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 21:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 21:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 21:56	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 22:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 22:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 23:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/20/2022 23:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 00:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 00:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 01:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 01:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 01:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 02:16	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 02:59	1		DB-5MS 30m 0.25 0.25(mm)
410-84076-1	FBW001_052022	05/21/2022 03:21	1	NE0577.D	DB-5MS 30m 0.25 0.25(mm)
410-84076-1 MS	FBW001_MS_052022 MS	05/21/2022 03:43	1	NE0578.D	DB-5MS 30m 0.25 0.25(mm)
410-84076-1 MSD	FBW001_MSD_052022 MSD	05/21/2022 04:04	1	NE0579.D	DB-5MS 30m 0.25 0.25(mm)
410-84076-4	FBS010_052022	05/21/2022 04:26	1	NE0580.D	DB-5MS 30m 0.25 0.25(mm)
410-84076-5	FBS010_DUP-1_052022	05/21/2022 04:48	1	NE0581.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/21/2022 05:09	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Start Date: 05/20/2022 19:56

Analysis Batch Number: 257639 End Date: 05/20/2022 20:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-257639/1		05/20/2022 19:56	1		DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-257639/2		05/20/2022 20:13	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-257639/4		05/20/2022 20:35	1	ME1252.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-84076-1

SDG No.:

Instrument ID: HP21585 Start Date: 05/23/2022 07:30

Analysis Batch Number: 257935 End Date: 05/23/2022 17:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-257935/1		05/23/2022 07:30	1	ME1300.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-257935/2		05/23/2022 07:47	1	ME1301.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 08:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 08:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 08:56	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 09:18	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 09:40	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 10:01	5		DB-5MS 30m 0.25 0.25(mm)
410-84076-3	FBW001_FB_052022	05/23/2022 10:22	1	ME1308.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 10:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 11:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 11:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 11:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 12:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 12:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 12:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 13:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 13:36	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 14:19	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 15:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 15:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 15:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 16:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		05/23/2022 17:12	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 250058 Batch Start Date: 04/29/22 14:24 Batch Analyst: Saadeh, William H

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00009	MSS_RVSIM_1 00016	MSS_RVSIM_2 00017	MSS_RVSIM_3 00015	MSS_RVSIM_4 00019	MSS_RVSIM_5 00016
DFTPP 410-250058/1		8270D SIM		1 mL					
ICIS 410-250058/2		8270D SIM						1 mL	
IC 410-250058/3		8270D SIM							
IC 410-250058/4		8270D SIM							1 mL
IC 410-250058/5		8270D SIM					1 mL		
IC 410-250058/6		8270D SIM				1 mL			
IC 410-250058/7		8270D SIM			1 mL				
ICV 410-250058/9		8270D SIM							
ICV 410-250058/10		8270D SIM							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_6 00014	MSS_RVSIM_ICV 00027	MSS_RVSIM_ICV 00029			
DFTPP 410-250058/1		8270D SIM							
ICIS 410-250058/2		8270D SIM							
IC 410-250058/3		8270D SIM		1 mL					
IC 410-250058/4		8270D SIM							
IC 410-250058/5		8270D SIM							
IC 410-250058/6		8270D SIM							
IC 410-250058/7		8270D SIM							
ICV 410-250058/9		8270D SIM				1 mL			
ICV 410-250058/10		8270D SIM			1 mL				

Batch Notes	

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.: 410-84076-1

SDG No.:

Batch Number: 250058 Batch Start Date: 04/29/22 14:24 Batch Analyst: Saadeh, William H

Batch Method: 8270D SIM Batch End Date:

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.: 410-84076-1

SDG No.:

Batch Number: 256915 Batch Start Date: 05/19/22 09:47 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 05/19/22 13:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-256915/1		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
LCS 410-256915/2		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
LCSD 410-256915/3		3510C, 8270D SIM				n/a	250 mL	1 mL	n/a SU
410-84076-B-1 MS	FBW001_MS_052022	3510C, 8270D SIM	T	413.74 g	166.36 g	n/a	247.4 mL	1 mL	n/a SU
410-84076-B-1 MSD	FBW001_MSD_052022	3510C, 8270D SIM	T	414.64 g	167.65 g	n/a	247 mL	1 mL	n/a SU
410-84076-B-1	FBW001_052022	3510C, 8270D SIM	T	411.74 g	167.99 g	n/a	243.8 mL	1 mL	n/a SU
410-84076-A-3	FBW001_FB_052022	3510C, 8270D SIM	T	409.08 g	167.89 g	n/a	241.2 mL	1 mL	n/a SU
410-84076-B-4	FBS010_052022	3510C, 8270D SIM	T	410.42 g	164.20 g	n/a	246.2 mL	1 mL	n/a SU
410-84076-B-5	FBS010_DUP-1_052022	3510C, 8270D SIM	T	406.68 g	164.59 g	n/a	242.1 mL	1 mL	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_MINIBNA_SS 00060	OP_SIMLCS_MS 00065	AnalysisComment
MB 410-256915/1		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL		tap H20
LCS 410-256915/2		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL	0.25 mL	tap H20
LCSD 410-256915/3		3510C, 8270D SIM		>11 SU	<2 SU	n	1 mL	0.25 mL	tap H20
410-84076-B-1 MS	FBW001_MS_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL	0.25 mL	clear
410-84076-B-1 MSD	FBW001_MSD_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL	0.25 mL	clear
410-84076-B-1	FBW001_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL		clear
410-84076-A-3	FBW001_FB_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL		clear
410-84076-B-4	FBS010_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	1 mL		clear
410-84076-B-5	FBS010_DUP-1_052022	3510C, 8270D SIM	T	>11 SU	<2 SU	n	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.: 410-84076-1

SDG No.:

Batch Number: 256915 Batch Start Date: 05/19/22 09:47 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 05/19/22 13:40

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	AGC40572, CNG41579
Analyst ID - Spike Analyst	AGC40572, CNG41579
Acid Used for pH Adjustment ID	H2SO4:2021102693
Base Used to Adjust pH ID	NaOH:4103D49
Prep Solvent ID	MeCl2:221499
Prep Solvent Volume Used	90 mL
Na2SO4 ID	22137A
Analyst ID - Concentration	AGC40572, CNG41579
Equipment ID - Concentration 1	RapidVap#4,3,1,2
Concentration 1 Corrected Temperature	80 Degrees C
Batch Comment	split with batch 256916

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.: 410-84076-1

SDG No.:

Batch Number: 257357 Batch Start Date: 05/20/22 07:00 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00009	MSS_RVSIM_1 00016	MSS_RVSIM_2 00017	MSS_RVSIM_3 00015	MSS_RVSIM_4 00022	MSS_RVSIM_5 00016
DFTPP 410-257357/1		8270D SIM		1 mL					
ICIS 410-257357/2		8270D SIM						1 mL	
IC 410-257357/3		8270D SIM							
IC 410-257357/4		8270D SIM							1 mL
IC 410-257357/5		8270D SIM					1 mL		
IC 410-257357/6		8270D SIM				1 mL			
IC 410-257357/7		8270D SIM			1 mL				
ICV 410-257357/9		8270D SIM							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_6 00014	MSS_RVSIM_ICV 00030				
DFTPP 410-257357/1		8270D SIM							
ICIS 410-257357/2		8270D SIM							
IC 410-257357/3		8270D SIM		1 mL					
IC 410-257357/4		8270D SIM							
IC 410-257357/5		8270D SIM							
IC 410-257357/6		8270D SIM							
IC 410-257357/7		8270D SIM							
ICV 410-257357/9		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.: 410-84076-1

SDG No.:

Batch Number: 257602 Batch Start Date: 05/20/22 17:22 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00009	MSS_RVSIM_4 00022	MSS_RVSIM_IS 00026			
DFTPP 410-257602/1		8270D SIM		1 mL					
CCVIS 410-257602/2		8270D SIM			1 mL				
MB 410-256915/1-A		8270D SIM				10 uL			
LCS 410-256915/2-A		8270D SIM				10 uL			
LCSD 410-256915/3-A		8270D SIM				10 uL			
410-84076-B-1-C	FBW001_052022	8270D SIM	T			10 uL			
410-84076-B-1-A MS	FBW001_MS_052022	8270D SIM	T			10 uL			
410-84076-B-1-B MSD	FBW001_MSD_052022	8270D SIM	T			10 uL			
410-84076-B-4-A	FBS010_052022	8270D SIM	T			10 uL			
410-84076-B-5-A	FBS010_DUP-1_052022	8270D SIM	T			10 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-84076-1

SDG No.:

Batch Number: 257639 Batch Start Date: 05/20/22 19:56 Batch Analyst: Lutte, Kate E

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVSIM_ICV 00032					
ICV 410-257639/4		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.: 410-84076-1

SDG No.:

Batch Number: 257935 Batch Start Date: 05/23/22 07:30 Batch Analyst: Gambler, Joseph M

Batch Method: 8270D SIM Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSS_RVDFTPP 00009	MSS_RVSIM_4 00022	MSS_RVSIM_IS 00027			
DFTPP 410-257935/1		8270D SIM		1 mL					
CCVIS 410-257935/2		8270D SIM			1 mL				
410-84076-A-3-A	FBW001_FB_052022	8270D SIM	T			10 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

410-84076 Chain of Custody

Keep this liner for your records.

Chain of Custody Record

Client Contact: Kay Kincannon	Sampler: Craig Rowden	Lab PM: ~~Gottman, Hannah L~~ Brown, Nichole	Carrier Tracking No(s):	COC No: 410-55081-14132 1
Company: Environmental Works, Inc	Phone:	E-Mail: ~~Hannah.Gottman@et.eurofinsus.com~~	State of Origin:	Page: Page 1 of 12
Address: 1455 East Chestnut Expressway	PWSID:	Analysis Requested		Job #:
City: Springfield	Due Date Requested:			Preservation Codes:
State, Zip: MO, 65802	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Phone: 406-457-2142(Tel)	Compliance Project: Δ Yes Δ No			
Email: kkincannon@environmentalworks.com	PO #: SPRINGFIELD, MO			
Project Name: Springfield, MO – OFIWP	WO #:			
Site:	Project #: 41006923			Other:
	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBW001_052022	5/12/22	922	G	W		X	X		
FBW001_MS_052022	5/12/22	922	G	W		X	X		
FBW001_MSD_052022	5/12/22	922	G	W		X	X		
~~FBW001_DUP-1_052022~~ EDJ	5/12/22	1200	G	W		X	X		
FBW001_FB_052022	5/12/22	927	G	W		X	X		
FBS010_052022	5/12/22	942	G	W		X	X		
~~FBS010_MS_052022~~ EDJ	5/12/22	942	G	W		X	X		
~~FBS010_MSD_052022~~ EDJ	5/12/22	942	G	W		X	X		
FBS010_DUP-1_052022	5/12/22	1300	G	W		X	X		
~~FBS010_FB_052022~~ EDJ	5/12/22	947	G	W		X	X		
~~Trip Blank~~ FBW001_TMP_052022	LAB	PREP	R	W					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: Luis Sybil	Date/Time: 04-25-22 1142	Company	Received by:	Date/Time:	Company	
Relinquished by: Craig Rowden	Date/Time: 5/12/22 1200	Company: EWE	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/13/22 10:23	Company: EWE	

Custody Seals Intact: Yes Δ No | Custody Seal No.: 137272 & 137271 | Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM: Cottman, Hannah L	Carrier Tracking No(s)	COC No: 410-55081-14132.1
Client Contact: Kay Kincannon	Phone	E-Mail: Hannah.Cottman@et.eurofinsus.com	State of Origin	Page: Page ~~1 of 1~~ 2 of 2
Company: Environmental Works, Inc	PWSID	Analysis Requested		Job #
Address: 1455 East Chestnut Expressway	Due Date Requested:			Preservation Codes
City: Springfield	TAT Requested (days):			
State, Zip: MO, 65802	Compliance Project: Δ Yes Δ No			
Phone: 406-457-2142(Tel)	PO #: SPRINGFIELD, MO			
Email: kkincannon@environmentalworks.com	WO #			
Project Name: Springfield, MO - OFIWP	Project #: 41006923			
Site	SSOW#			Other:

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; Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Special Instructions/Note
~~FB~~ FBS010_TMP_052022	LAB	PREP		W			
FBW001_TB_052022				W	X		
~~FB~~ FBS010_TB_052022				W	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Luis [signature]	04-25-22 1642				
Craig Rowden [signature]	5/12/22 1200	EWI			
			[signature]	5/13/22 10:23	[illegible]

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 137272 & 137271	Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C 5/13/22

101

Chain of Custody Record

410-84076 Chain of Custody

Client Contact: Kay Kincannon	Sampler: Craig Rowden	Lab PM: ~~Gottman, Hannah L~~ Brown, Nichole	Carrier Tracking No(s):	COC No: 410-55081-14132 1
Company: Environmental Works, Inc	Phone:	E-Mail: ~~Hannah.Gottman@et.eurofinsus.com~~	State of Origin:	Page: Page 1 of 12
Address: 1455 East Chestnut Expressway	PWSID:	Analysis Requested		Job #:
City: Springfield	Due Date Requested:			Preservation Codes:
State, Zip: MO, 65802	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Phone: 406-457-2142(Tel)	Compliance Project: Δ Yes Δ No			
Email: kkincannon@environmentalworks.com	PO #: SPRINGFIELD, MO			
Project Name: Springfield, MO – OFIWP	WO #:			
Site:	Project #: 41006923			Other:
	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D, 8270D_SIM	Total Number of containers	Special Instructions/Note:
FBW001_052022	5/12/22	922	G	W		X	X		
FBW001_MS_052022	5/12/22	922	G	W		X	X		
FBW001_MSD_052022	5/12/22	922	G	W		X	X		
FBW001_DUP-1_052022	5/12/22	1200	G	W		X	X		
FBW001_FB_052022	5/12/22	927	G	W		X	X		
FBS010_052022	5/12/22	942	G	W		X	X		
FBS010_MS_052022	5/12/22	942	G	W		X	X		
FBS010_MSD_052022	5/12/22	942	G	W		X	X		
FBS010_DUP-1_052022	5/12/22	1300	G	W		X	X		
FBS010_FB_052022	5/12/22	947	G	W		X	X		
~~Trip Blank~~ FBW001_TMP_052022	LAB	PREP	B	W					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Luis Sybil	04-25-22 1142				
Craig Rowden	5/12/22 1200	EWE			
				5/13/22 10:23	EWE

Custody Seals Intact: Yes Δ No | Custody Seal No.: 137272 & 137271

Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM: Cottman, Hannah L	Carrier Tracking No(s)	COC No: 410-55081-14132.1
Client Contact: Kay Kincannon	Phone	E-Mail: Hannah.Cottman@et.eurofinsus.com	State of Origin	Page: Page ~~1 of~~ 2 of 2
Company: Environmental Works, Inc	PWSID	Analysis Requested		Job #
Address: 1455 East Chestnut Expressway	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Springfield	TAT Requested (days):			
State, Zip: MO, 65802	Compliance Project: ∆ Yes ∆ No			
Phone: 406-457-2142(Tel)	PO #: SPRINGFIELD, MO			
Email: kkincannon@environmentalworks.com	WO #:			
Project Name: Springfield, MO - OFIWP	Project #: 41006923			
Site	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260C - Springfield, MO - 8260C TCL4.3 + TMB	8270D_8270D_SIM	Special Instructions/Note
~~FB~~ FBS010_TMP_05202	LAB	PREP		W			
FBW001_TB_05202				W	X		
~~FB~~ FBS010_TB_05202				W	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Lewis Sykes	04-25-22 1142				
Craig Rauden	5/11/22 1200	EWI			
				05/13/22 ~~10:22~~	EWE

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No: 137272 & 137271	Cooler Temperature(s) °C and Other Remarks: 3.9-5.5°C 10:23

Login Sample Receipt Checklist

Client: Environmental Works, Inc. Job Number: 410-84076-1

Login Number: 84076 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Renner, Melissa

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	

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 12, 2022. The data package group number was 410-84076-1.

Intended Use of Data: The intended use is data validation and to provide QAQC Review and an evaluation as to whether data quality objectives (DQOs) were meet related to data obtained during the sampling of the drinking water wells.

Laboratory analysis was requested on the following parameters:

- 8260C-Volatile Organic Compounds (GC/MS)
- 8270D and 8270D SIM – Semi-volatile Organic Compounds

These methods were in accordance with the OFIWP. The results of the data review and validation are discussed in this Data Usability Summary. The data packages were reviewed for the following in accordance with the project Sampling and Analysis Plan (EWI, 2020) and Quality Assurance Project Plan (EWI, 2020):

1. Compare Field Information Forms with Sample Labels and Chains-of-Custody
2. Agreement of Analyses Conducted with Chain-of-Custody Requests
3. Sample Receipt, Holding Times, and Sample Preservation
4. Trip Blanks
5. Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) Recoveries
6. Surrogate Spike Recoveries
7. Quantitation Limits and Sample Results
8. Method Blank Results
9. Equipment Blank
10. Field Blank
11. Lab Comments
12. Field Instrument Calibration
13. Field Sampling Parameters
14. Instrument Calibrations (Initial and Continuing and RRF)
15. Manual Integration
16. Reagent Traceability and Tentative Identification Summary

1) Compare Field Information Forms with Sample Labels and Chains-of-Custody

The sample labels and chains-of-custody form was reviewed to ensure the dates, times, and sample IDs were the same. Discrepancies were found in report title on the data package and subsequently a revised report was submitted. This revision did not affect data quality.

2) Agreement of Analyses Conducted with Chain-of-Custody Requests

Analytical reports received from the laboratory were checked against the revised chain-of-custody request for all samples. No issues identified.

3) Sample Receipt, Holding Times, and Sample Preservation

The cooler sent to the laboratory arrived inside acceptable temperature range of 4 degree centigrade (+ 2 degrees and not frozen). There were no other issues with the samples upon receipt by the lab. All samples were properly preserved and were analyzed within the method specified holding time.

4) Trip Blanks

For this sampling event, trip blanks were prepared by the laboratory, transported with the sample bottles to the Facility, kept in sample coolers during the sampling event, and returned unopened to the laboratory for quality control analysis. The samples were sent with a trip blank; however, the trip blank was not recorded on COC. The lab acknowledgement noted the trip blanks were inside cooler with no issues noted. The trip blank sample was analyzed for target VOCs and there were no detections.

5) Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries

All target analytes were spiked into control samples and reported for the required LCS/LCSD analyses; No LCS or LCSD results were outside the QC acceptance criteria and no effect on data usability were noted. Lab reports are flagged with data qualifiers where data usability is brought into question. There were none for this data package, all data is validated.

6) Surrogate Spike Recoveries

Surrogate recovery was out of limits, but data was confirmed because it was not attributed to dilution or otherwise noted on the Analysis Report. This does not affect usability of the data.

No further action was taken by lab. These findings do not indicate any usability concerns.

7) Quantitation Limits and Sample Results

There were no dilutions warranted for analyses, so no changes to quantification limits were warranted for any other analyses.

8) Method Blank Results

There were no detections found in Lab Method Blank. There was no impact to data acceptance.

9) Equipment Blank Sample Results

Equipment blanks were not warranted as no sampling equipment was needed. Water collected at City taps.

10) Field Blank Sample Results

- Field blanks are used to identify if ambient contamination is entering the samples during the sampling process. As per Quality Assurance Project Plan (QAPP) B4.1.5 Field Blanks Field blanks are used to identify ambient contamination entering the samples during the sampling process. Clean sampling containers are filled with laboratory provided deionized water and left open at the sample location for the duration of sampling that location. The containers are closed when sampling at that location is completed and analyzed for the COCs of interest. One field blank is collected per groundwater sampling event. Upon further discussion with the sampler, to confirm the process used and the source of the DI water, it was discovered that EWI followed the process with the notable exception that sampler did NOT use laboratory provided DI water. Instead, sampler used DI water that the City had on hand because sampler did not bring laboratory provided DI water. This is a deviation in the procedure and presents additional uncertainty in the evaluation of the Field Blank for its intended purpose. EWI has reviewed this issue with sampler and the other team members to reiterate that the QAPP processes must be followed and, if an issue arises, to contact QAM or PM to get a resolution (EWI had laboratory provided DI water and it could have been brought to sampler in the field). Although the Field Blank had detectable analytes, they were non-Facility related and well sampled with Field Blank had no detected analytes; therefore results are accepted.

11) Lab Comments

A summary of lab narrative/comments is shown below in bullets in the Summary below.

12) Instrument Calibration

City conducted pH tests as samples were collected and shared their data.

13) Field Sampling Parameters

During sampling activities, EWI filled containers as split samples with City from their taps.

14) Instrument Calibrations (Initial and Continuing and RRF)

The Level 4 evaluation checklists outline the various laboratory Forms within the Level 4 Data Packages. For calibration, the initial and continuing calibrations were reviewed along with relative response factors, response curves, and retention times: most be the same data in each lab package. Various data packages had narrative explanations from the lab regarding issues within initial calibration and/or continuing calibration within VOAs and Semi-VOAs along with the any effect on usability. Those descriptions can be found on Level 4 QAQC review sheets and summarized below for each lab package when Level 4 is conducted.

15) Manual Integration

The data packages have large sections of calibration related manual integration and

chromatograms. Review of that data for this found no issues that would affect data usability.

16) Reagent Traceability and Tentative Identification Summary

The data packages provide source data and quality and the tentative identification chromatograms. There were no issues identified with reagent source or standards testing.

Usability Summary

Based on the QAQC Data Review data package is listed below with a summary that all data was accepted, or an explanation of data usability concerns.

- 410-84076:
- GC/MS VOA - Method 8260C: The continuing calibration verification (CCV) associated with batch 410-258274 recovered above the upper control limit for Dichlorodifluoromethane and Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimate. Non-detections of the affected analytes are reported. Any detections are considered estimated. None of these are chemicals of concern, so data accepted.
- GC/MS Semi VOA - Method 8270D_SIM: The continuing calibration verification (CCV) associated with batch 410-257602 recovered above the upper control limit for Benzo[b]fluoranthene, Bis(2-ethylhexyl) phthalate, 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 impacted: FBW001_052022 (410-84076-1), FBS010_052022 (410-84076-4) and FBS010_DUP-1_052022 (410-84076-5). The continuing calibration verification (CCV) associated with batch 410-257935 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples: FBW001_FB_052022 (410-84076-3).