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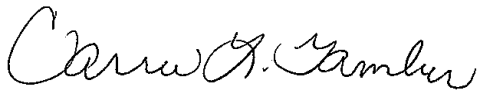
ANALYTICAL REPORT

Job Number: 180-129532-2

Job Description: Vo Toys - Harrison, NJ

For:
Anchor QEA LLC
1201 3rd Ave
Suite 2600
Seattle, WA 98101

Attention: Cindy Fields



Approved for release.
Carrie L Gamber
Senior Project Manager
12/16/2021 3:25 PM

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12/16/2021

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ANALYTICAL REPORT

Job Number: 180-142292-1

Job Description: Vo Toys - Harrison, NJ

For:
Anchor QEA LLC
1201 3rd Ave
Suite 2600
Seattle, WA 98101

Attention: Cindy Fields

Approved for release.
Carrie L Gamber
Senior Project Manager
8/26/2022 7:13 AM

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08/26/2022

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

CASE NARRATIVE

Client: Anchor QEA LLC

Project: Vo Toys - Harrison, NJ

Report Number: 180-142292-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 08/02/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

VOLATILES
Surrogate recovery for the following sample was outside the upper control limit for Dibromofluoromethane: TI-NA-FL-D-2207270900 (180-142292-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following sample was outside the upper control limit for Dibromofluoromethane and 1,2-Dichloroethane-d4: (LB 180-407277/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) analyzed in 180-407435 was outside the method criteria for the following analyte(s): Chloroform and 1,1-Dichloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

PETICIDES
The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 180-408312 and analytical batch 180-408450 recovered outside control limits for the following analytes: Methoxychlor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 180-408450 recovered above the upper control limit for Chlordane (technical). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 180-408450/2).

Surrogate Tetrachloro-m-xylene recovered slightly low for the following CCVIS but DCB Decachlorobiphenyl (Surr) passed. All surrogates were reported: CCVIS 180-408450/6

PCB
The continuing calibration verification (CCV) associated with batch 180-408111 recovered high and outside the control limits for PCB 1260 on one column. Results are confirmed on both columns and reported from the passing column. The associated samples are: (CCVIS 180-408111/27) and (CCVIS 180-408111/5).

HERBICIDES
Surrogate recovery for the following sample was outside control limits: TI-NA-FL-D-2207270900 (180-142292-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 408559 recovered above the upper control limit for Surrogate DCAA, Pentachlorophenol, MCPP, MCPA and Dicamba. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 180-408559/23)

The continuing calibration verification (CCV) associated with batch 408559 recovered above the upper control limit for MCPP

and MCPA. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

METALS

The following samples were diluted to bring the concentration of the target analyte within the calibration range for Hg: TI-NA-FL-D-2207270900 (180-142292-1), (180-142292-C-1-L MS ^25) and (180-142292-C-1-M MSD ^25). Elevated reporting limits (RLs) are provided.

Mercury failed the recovery criteria low for the MS of sample TI-NA-FL-D-2207270900MS (180-142292-1) in batch 180-409876. Mercury failed the recovery criteria high for the MSD of sample TI-NA-FL-D-2207270900MSD (180-142292-1) in batch 180-409876. The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

GENERAL CHEMSITRY

The reference 1664B method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: TI-NA-FL-D-2207270900 (180-142292-1). The sample was preserved to the appropriate pH in the laboratory with 5 mL of HCL.

Detection Summary

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

Client Sample ID: TI-NA-FL-D-2207270900 — Lab Sample ID: 180-142292-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1.4	J	2.0	0.063	mg/L	1		EPA 6010D	TCLP
Cadmium	0.035	J	0.50	0.0030	mg/L	1		EPA 6010D	TCLP
Copper	0.083	J	0.25	0.022	mg/L	1		EPA 6010D	TCLP
Lead	0.32	J	0.50	0.044	mg/L	1		EPA 6010D	TCLP
Nickel	0.027	J	0.40	0.019	mg/L	1		EPA 6010D	TCLP
Zinc	1.4		0.20	0.026	mg/L	1		EPA 6010D	TCLP
Mercury	11		0.71	0.46	mg/Kg	25	☼	EPA 7471B	Total/NA
Ignitability	>140				Degrees F	1		EPA 1020B	Total/NA
pH	8.0	HF	0.1	0.1	SU	1		EPA 9045D	Total/NA
Oil & Grease (HEM)	1600		180	78	mg/Kg	1	☼	EPA 9071B	Total/NA
Free Liquid	CNF				NONE	1		EPA 9095B	Total/NA
Total Volatile Solids	1.8		0.50	0.50	%	1		SM 2540G	Total/NA
Total Solids	89		0.50	0.50	%	1		SM 2540G	Total/NA
TCLP pH Post-Leach	7.0	!	0.1	0.1	SU	1		1311	TCLP
Total Solids	56		20	20	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: TI-NA-FL-D-2207270900 — Lab Sample ID: 180-142292-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	94		17	4.1	ug/Kg	1	☼	EPA 8082A	Total/NA
PCB-1260	66		17	4.9	ug/Kg	1	☼	EPA 8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Method: EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-2
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.029	mg/L			08/04/22 12:12	1
2-Butanone (MEK)	ND		0.20	0.058	mg/L			08/04/22 12:12	1
Benzene	ND		0.20	0.039	mg/L			08/04/22 12:12	1
Carbon tetrachloride	ND		0.20	0.066	mg/L			08/04/22 12:12	1
Chlorobenzene	ND		0.20	0.031	mg/L			08/04/22 12:12	1
Chloroform	ND	^c	0.20	0.042	mg/L			08/04/22 12:12	1
Tetrachloroethene	ND		0.20	0.040	mg/L			08/04/22 12:12	1
Trichloroethene	ND		0.20	0.030	mg/L			08/04/22 12:12	1
Vinyl chloride	ND		0.20	0.073	mg/L			08/04/22 12:12	1
1,1-Dichloroethene	ND	^c	0.20	0.057	mg/L			08/04/22 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*143*		*52 - 151*		*08/04/22 12:12*	*1*
4-Bromofluorobenzene (Surr)	*72*		*49 - 118*		*08/04/22 12:12*	*1*
Dibromofluoromethane (Surr)	*143*	*S1+*	*60 - 132*		*08/04/22 12:12*	*1*
Toluene-d8 (Surr)	*95*		*53 - 124*		*08/04/22 12:12*	*1*

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/11/22 07:00	08/12/22 19:02	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 19:02	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/11/22 07:00	08/12/22 19:02	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 19:02	1
Cresols, Total	ND		0.10	0.012	mg/L		08/11/22 07:00	08/12/22 19:02	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/11/22 07:00	08/12/22 19:02	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/11/22 07:00	08/12/22 19:02	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 19:02	1
m & p-Cresol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 19:02	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/11/22 07:00	08/12/22 19:02	1
o-Cresol	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 19:02	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/11/22 07:00	08/12/22 19:02	1
Pyridine	ND		0.10	0.0082	mg/L		08/11/22 07:00	08/12/22 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*32 - 115*	*08/11/22 07:00*	*08/12/22 19:02*	*1*
2-Fluorobiphenyl	*61*		*55 - 105*	*08/11/22 07:00*	*08/12/22 19:02*	*1*
2-Fluorophenol (Surr)	*61*		*55 - 105*	*08/11/22 07:00*	*08/12/22 19:02*	*1*
Nitrobenzene-d5 (Surr)	*66*		*55 - 109*	*08/11/22 07:00*	*08/12/22 19:02*	*1*
Phenol-d5 (Surr)	*60*		*48 - 105*	*08/11/22 07:00*	*08/12/22 19:02*	*1*
Terphenyl-d14 (Surr)	*57*		*37 - 107*	*08/11/22 07:00*	*08/12/22 19:02*	*1*

Method: EPA 8081B - Organochlorine Pesticides (GC) - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND	^c	0.0050	0.0029	mg/L		08/11/22 05:50	08/12/22 17:38	1
Endrin	ND		0.00050	0.000091	mg/L		08/11/22 05:50	08/12/22 17:38	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/11/22 05:50	08/12/22 17:38	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/11/22 05:50	08/12/22 17:38	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/11/22 05:50	08/12/22 17:38	1
Methoxychlor	ND	*+	0.00050	0.00031	mg/L		08/11/22 05:50	08/12/22 17:38	1
Toxaphene	ND		0.040	0.020	mg/L		08/11/22 05:50	08/12/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*48 - 137*	*08/11/22 05:50*	*08/12/22 17:38*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*48 - 137*	*08/11/22 05:50*	*08/12/22 17:38*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*56 - 137*	*08/11/22 05:50*	*08/12/22 17:38*	*1*
Tetrachloro-m-xylene (Surr)	*82*	*^c*	*56 - 137*	*08/11/22 05:50*	*08/12/22 17:38*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-2
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1221	ND		17	6.1	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1232	ND		17	4.2	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1242	ND		17	2.5	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1248	**94**		17	4.1	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1254	ND		17	5.1	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1
PCB-1260	**66**		17	4.9	ug/Kg	☼	08/08/22 13:32	08/10/22 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*08/08/22 13:32*	*08/10/22 12:54*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*08/08/22 13:32*	*08/10/22 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*08/08/22 13:32*	*08/10/22 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*08/08/22 13:32*	*08/10/22 12:54*	*1*

Method: EPA 8151A - Herbicides (GC) - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/11/22 08:00	08/13/22 16:55	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/11/22 08:00	08/13/22 16:55	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*47*	*S1- ^c*	*48 - 127*	*08/11/22 08:00*	*08/13/22 16:55*	*20*
2,4-Dichlorophenylacetic acid (Surr)	*50*	*^c*	*48 - 127*	*08/11/22 08:00*	*08/13/22 16:55*	*20*

Method: EPA 6010D - Metals (ICP) - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		08/12/22 16:35	08/15/22 10:03	1
Barium	**1.4**	**J**	2.0	0.063	mg/L		08/12/22 16:35	08/15/22 10:03	1
Cadmium	**0.035**	**J**	0.50	0.0030	mg/L		08/12/22 16:35	08/15/22 10:03	1
Chromium	ND		0.50	0.016	mg/L		08/12/22 16:35	08/15/22 10:03	1
Copper	**0.083**	**J**	0.25	0.022	mg/L		08/12/22 16:35	08/15/22 10:03	1
Lead	**0.32**	**J**	0.50	0.044	mg/L		08/12/22 16:35	08/15/22 10:03	1
Nickel	**0.027**	**J**	0.40	0.019	mg/L		08/12/22 16:35	08/15/22 10:03	1
Selenium	ND		0.50	0.037	mg/L		08/12/22 16:35	08/15/22 10:03	1
Silver	ND		0.50	0.0091	mg/L		08/12/22 16:35	08/15/22 10:03	1
Zinc	**1.4**		0.20	0.026	mg/L		08/12/22 16:35	08/15/22 10:03	1
Molybdenum	ND		0.40	0.025	mg/L		08/12/22 16:35	08/15/22 10:03	1

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Method: EPA 7470A - Mercury (CVAA) - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/11/22 07:11	08/11/22 14:49	1

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Method: EPA 7471B - Mercury (CVAA)

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10
Percent Solids: 92.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11		0.71	0.46	mg/Kg	☼	08/23/22 13:03	08/24/22 15:09	25

General Chemistry

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.4**		0.1	0.1	%			08/04/22 18:01	1
Percent Solids	**92.6**		0.1	0.1	%			08/04/22 18:01	1
Cyanide, Reactive	ND		25	25	mg/Kg		08/19/22 16:35	08/19/22 16:45	1
Sulfide, Reactive	ND		20	20	mg/Kg		08/19/22 16:30	08/19/22 16:42	1
Ignitability	**>140**				Degrees F			08/03/22 12:25	1
pH	**8.0**	**HF**	0.1	0.1	SU			08/16/22 16:44	1
Free Liquid	**CNF**				NONE			08/12/22 11:24	1
Total Volatile Solids	**1.8**		0.50	0.50	%			08/03/22 12:09	1
Total Solids	**89**		0.50	0.50	%			08/03/22 12:09	1

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

General Chemistry

Client Sample ID: TI-NA-FL-D-2207270900
Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-1
Matrix: Solid
Percent Solids: 92.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	**1600**		180	78	mg/Kg	☼	08/04/22 02:45	08/04/22 02:45	1

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

General Chemistry

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-2
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.0		0.1	0.1	%			08/03/22 17:56	1
Percent Solids	94.0		0.1	0.1	%			08/03/22 17:56	1

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

General Chemistry - TCLP

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TCLP pH Post-Leach	7.0	!	0.1	0.1	SU			08/10/22 19:23	1

General Chemistry - ASTM Leach

Client Sample ID: TI-NA-FL-D-2207270900
Lab Sample ID: 180-142292-1
Date Collected: 07/27/22 09:00
Matrix: Solid
Date Received: 08/02/22 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	ND		4.7	4.0	mg/L		08/05/22 09:34	08/05/22 09:59	1
Ammonia, distilled	ND		0.10	0.088	mg/L			08/06/22 11:38	1
Chemical Oxygen Demand	ND		10	9.1	mg/L		08/04/22 13:22	08/04/22 17:59	1
Total Solids	**56**		20	20	mg/L			08/10/22 16:53	1

Default Detection Limits

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Method: EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Leach: EPA 1311

Analyte	RL	MDL	Units
1,1-Dichloroethene	0.20	0.057	mg/L
1,2-Dichloroethane	0.20	0.029	mg/L
2-Butanone (MEK)	0.20	0.058	mg/L
Benzene	0.20	0.039	mg/L
Carbon tetrachloride	0.20	0.066	mg/L
Chlorobenzene	0.20	0.031	mg/L
Chloroform	0.20	0.042	mg/L
Tetrachloroethene	0.20	0.040	mg/L
Trichloroethene	0.20	0.030	mg/L
Vinyl chloride	0.20	0.073	mg/L

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Prep: 3510C

Leach: EPA 1311

Analyte	RL	MDL	Units
1,4-Dichlorobenzene	0.050	0.0045	mg/L
2,4,5-Trichlorophenol	0.050	0.0079	mg/L
2,4,6-Trichlorophenol	0.050	0.0095	mg/L
2,4-Dinitrotoluene	0.050	0.0079	mg/L
Cresols, Total	0.10	0.012	mg/L
Hexachlorobenzene	0.050	0.0055	mg/L
Hexachlorobutadiene	0.050	0.0084	mg/L
Hexachloroethane	0.050	0.0040	mg/L
m & p-Cresol	0.050	0.0079	mg/L
Nitrobenzene	0.050	0.012	mg/L
o-Cresol	0.050	0.0040	mg/L
Pentachlorophenol	0.25	0.0075	mg/L
Pyridine	0.10	0.0082	mg/L

Method: EPA 8081B - Organochlorine Pesticides (GC) - TCLP

Prep: 3510C

Leach: EPA 1311

Analyte	RL	MDL	Units
Chlordane (technical)	0.0050	0.0029	mg/L
Endrin	0.00050	0.000091	mg/L
gamma-BHC (Lindane)	0.00050	0.00012	mg/L
Heptachlor	0.00050	0.00018	mg/L
Heptachlor epoxide	0.00050	0.00014	mg/L
Methoxychlor	0.00050	0.00031	mg/L
Toxaphene	0.040	0.020	mg/L

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3541

Analyte	RL	MDL	Units
PCB-1016	17	5.4	ug/Kg
PCB-1221	17	5.9	ug/Kg
PCB-1232	17	4.1	ug/Kg
PCB-1242	17	2.4	ug/Kg
PCB-1248	17	4.0	ug/Kg
PCB-1254	17	5.0	ug/Kg
PCB-1260	17	4.7	ug/Kg

Default Detection Limits

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Method: EPA 8151A - Herbicides (GC) - TCLP

Prep: 8151A

Leach: EPA 1311

Analyte	RL	MDL	Units
2,4-D	0.040	0.020	mg/L
Silvex (2,4,5-TP)	0.010	0.0064	mg/L

Method: EPA 6010D - Metals (ICP) - TCLP

Prep: 3010A

Leach: EPA 1311

Analyte	RL	MDL	Units
Arsenic	0.050	0.0083	mg/L
Barium	0.20	0.0063	mg/L
Cadmium	0.050	0.00030	mg/L
Chromium	0.050	0.0016	mg/L
Copper	0.025	0.0022	mg/L
Lead	0.050	0.0044	mg/L
Molybdenum	0.040	0.0025	mg/L
Nickel	0.040	0.0019	mg/L
Selenium	0.050	0.0037	mg/L
Silver	0.050	0.00091	mg/L
Zinc	0.020	0.0026	mg/L

Method: EPA 7470A - Mercury (CVAA) - TCLP

Prep: 7470A

Leach: EPA 1311

Analyte	RL	MDL	Units
Mercury	0.00020	0.00013	mg/L

Method: EPA 7471B - Mercury (CVAA)

Prep: 7471B

Analyte	RL	MDL	Units
Mercury	0.033	0.021	mg/Kg

General Chemistry

Analyte	RL	MDL	Units
Percent Moisture	0.1	0.1	%
Percent Solids	0.1	0.1	%
pH	0.1	0.1	SU
Total Solids	0.50	0.50	%
Total Volatile Solids	0.50	0.50	%

General Chemistry

Prep: 7.3.3

Analyte	RL	MDL	Units
Cyanide, Reactive	25	25	mg/Kg

General Chemistry

Prep: 7.3.4

Analyte	RL	MDL	Units
Sulfide, Reactive	20	20	mg/Kg

General Chemistry

Default Detection Limits

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

General Chemistry
Prep: 9071B

Analyte	RL	MDL	Units
Oil & Grease (HEM)	170	74	mg/Kg

General Chemistry - TCLP

Analyte	RL	MDL	Units
TCLP pH Post-Leach	0.1	0.1	SU

General Chemistry - ASTM Leach
Leach: D3987-85

Analyte	RL	MDL	Units
Ammonia, distilled	0.10	0.088	mg/L
Total Solids	10	10	mg/L

General Chemistry - ASTM Leach
Prep: 1664B
Leach: D3987-85

Analyte	RL	MDL	Units
Oil & Grease (HEM)	5.0	4.3	mg/L

General Chemistry - ASTM Leach
Prep: 410.4
Leach: D3987-85

Analyte	RL	MDL	Units
Chemical Oxygen Demand	10	9.1	mg/L

Surrogate Summary

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(52-151)	(49-118)	(60-132)	(53-124)
LCS 180-407435/3	Lab Control Sample	118	97	126	106

Surrogate Legend

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

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(52-151)	(49-118)	(60-132)	(53-124)
180-142292-2	TI-NA-FL-D-2207270900	143	72	143 S1+	95
180-142292-2 MS	TI-NA-FL-D-2207270900	118	97	121	105
180-142292-2 MSD	TI-NA-FL-D-2207270900	118	100	120	105
LB 180-407277/1-A	Method Blank	152 S1+	87	157 S1+	124

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(32-115)	(55-105)	(55-105)	(55-109)	(48-105)	(37-107)
LCS 180-408319/2-A	Lab Control Sample	78	68	71	71	76	69
LCSD 180-408319/3-A	Lab Control Sample Dup	79	70	71	74	76	70
MB 180-408319/1-A	Method Blank	72	65	69	69	73	62

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(32-115)	(55-105)	(55-105)	(55-109)	(48-105)	(37-107)
180-142292-1	TI-NA-FL-D-2207270900	63	61	61	66	60	57
LB 180-408025/1-D	Method Blank	71	63	68	70	70	62

Surrogate Legend

Surrogate Summary

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

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

Method: EPA 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(48-137)	(48-137)	(56-137)	(56-137)
LCS 180-408312/2-A	Lab Control Sample	113	115	97	87
LCSD 180-408312/3-A	Lab Control Sample Dup	107	114	92	83
MB 180-408312/1-A	Method Blank	91	93	74	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: EPA 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(48-137)	(48-137)	(56-137)	(56-137)
180-142292-1	TI-NA-FL-D-2207270900	103	103	85	82 ^c
LB 180-408025/1-C	Method Blank	98	102	81	78

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(55-135)	(55-135)	(63-138)	(63-138)
180-142292-2	TI-NA-FL-D-2207270900	89	82	82	79
180-142292-2 MS	TI-NA-FL-D-2207270900	109	102	100	94
180-142292-2 MSD	TI-NA-FL-D-2207270900	96	91	87	82
LCS 180-407891/2-A	Lab Control Sample	105	103	100	95
MB 180-407891/1-A	Method Blank	106	102	105	93

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: EPA 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(48-127)	(48-127)
LCS 180-408322/2-A	Lab Control Sample	99	105
LCSD 180-408322/3-A	Lab Control Sample Dup	98	103
MB 180-408322/1-A	Method Blank	88	94

Surrogate Summary

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: EPA 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	**Client Sample ID**	**DCPAA1 (48-127)**	**DCPAA2 (48-127)**								
180-142292-1	TI-NA-FL-D-2207270900	47 S1- ^c	50 ^c								
LB 180-408025/1-E	Method Blank	85	90								

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 180-407435/3
Matrix: Solid
Analysis Batch: 407435

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0100	0.0108		mg/L		108	57 - 149
2-Butanone (MEK)	0.0100	0.00845	J	mg/L		85	35 - 158
Benzene	0.0100	0.00997	J	mg/L		100	68 - 122
Carbon tetrachloride	0.0100	0.0103		mg/L		103	60 - 135
Chlorobenzene	0.0100	0.0106		mg/L		106	72 - 123
Chloroform	0.0100	0.0115		mg/L		115	62 - 121
Tetrachloroethene	0.0100	0.0112		mg/L		112	60 - 129
Trichloroethene	0.0100	0.00931	J	mg/L		93	67 - 121
Vinyl chloride	0.0100	0.0107		mg/L		107	47 - 147
1,1-Dichloroethene	0.0100	0.0124		mg/L		124	49 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*52 - 151*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*
Dibromofluoromethane (Surr)	*126*		*60 - 132*
Toluene-d8 (Surr)	*106*		*53 - 124*

Lab Sample ID: LB 180-407277/1-A
Matrix: Solid
Analysis Batch: 407435

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.029	mg/L			08/04/22 14:21	1
2-Butanone (MEK)	ND		0.20	0.058	mg/L			08/04/22 14:21	1
Benzene	ND		0.20	0.039	mg/L			08/04/22 14:21	1
Carbon tetrachloride	ND		0.20	0.066	mg/L			08/04/22 14:21	1
Chlorobenzene	ND		0.20	0.031	mg/L			08/04/22 14:21	1
Chloroform	ND		0.20	0.042	mg/L			08/04/22 14:21	1
Tetrachloroethene	ND		0.20	0.040	mg/L			08/04/22 14:21	1
Trichloroethene	ND		0.20	0.030	mg/L			08/04/22 14:21	1
Vinyl chloride	ND		0.20	0.073	mg/L			08/04/22 14:21	1
1,1-Dichloroethene	ND		0.20	0.057	mg/L			08/04/22 14:21	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*152*	*S1+*	*52 - 151*		*08/04/22 14:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*49 - 118*		*08/04/22 14:21*	*1*
Dibromofluoromethane (Surr)	*157*	*S1+*	*60 - 132*		*08/04/22 14:21*	*1*
Toluene-d8 (Surr)	*124*		*53 - 124*		*08/04/22 14:21*	*1*

Lab Sample ID: 180-142292-2 MS
Matrix: Solid
Analysis Batch: 407435

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	ND		0.200	0.221		mg/L		111	57 - 149
2-Butanone (MEK)	ND		0.200	0.138	J	mg/L		69	35 - 158
Benzene	ND		0.200	0.209		mg/L		104	68 - 122
Carbon tetrachloride	ND		0.200	0.225		mg/L		112	60 - 135

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

Lab Sample ID: 180-142292-2 MS
Matrix: Solid
Analysis Batch: 407435

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		0.200	0.225		mg/L		112	72 - 123
Chloroform	ND	^c	0.200	0.235		mg/L		117	62 - 121
Tetrachloroethene	ND		0.200	0.249		mg/L		124	60 - 129
Trichloroethene	ND		0.200	0.200		mg/L		100	67 - 121
Vinyl chloride	ND		0.200	0.211		mg/L		106	47 - 147
1,1-Dichloroethene	ND	^c	0.200	0.252		mg/L		126	49 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*52 - 151*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*
Dibromofluoromethane (Surr)	*121*		*60 - 132*
Toluene-d8 (Surr)	*105*		*53 - 124*

Lab Sample ID: 180-142292-2 MSD
Matrix: Solid
Analysis Batch: 407435

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		0.200	0.214		mg/L		107	57 - 149	3	27
2-Butanone (MEK)	ND		0.200	0.184	J	mg/L		92	35 - 158	28	35
Benzene	ND		0.200	0.207		mg/L		103	68 - 122	1	21
Carbon tetrachloride	ND		0.200	0.218		mg/L		109	60 - 135	3	25
Chlorobenzene	ND		0.200	0.225		mg/L		112	72 - 123	0	19
Chloroform	ND	^c	0.200	0.233		mg/L		117	62 - 121	1	22
Tetrachloroethene	ND		0.200	0.248		mg/L		124	60 - 129	0	22
Trichloroethene	ND		0.200	0.201		mg/L		101	67 - 121	1	23
Vinyl chloride	ND		0.200	0.230		mg/L		115	47 - 147	8	25
1,1-Dichloroethene	ND	^c	0.200	0.258		mg/L		129	49 - 132	2	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*52 - 151*
4-Bromofluorobenzene (Surr)	*100*		*49 - 118*
Dibromofluoromethane (Surr)	*120*		*60 - 132*
Toluene-d8 (Surr)	*105*		*53 - 124*

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

Lab Sample ID: MB 180-408319/1-A
Matrix: Solid
Analysis Batch: 408454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/11/22 07:00	08/12/22 10:23	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 10:23	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/11/22 07:00	08/12/22 10:23	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 10:23	1
Cresols, Total	ND		0.10	0.012	mg/L		08/11/22 07:00	08/12/22 10:23	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/11/22 07:00	08/12/22 10:23	1

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

Lab Sample ID: MB 180-408319/1-A
Matrix: Solid
Analysis Batch: 408454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/11/22 07:00	08/12/22 10:23	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 10:23	1
m & p-Cresol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 10:23	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/11/22 07:00	08/12/22 10:23	1
o-Cresol	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 10:23	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/11/22 07:00	08/12/22 10:23	1
Pyridine	ND		0.10	0.0082	mg/L		08/11/22 07:00	08/12/22 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*32 - 115*	*08/11/22 07:00*	*08/12/22 10:23*	*1*
2-Fluorobiphenyl	*65*		*55 - 105*	*08/11/22 07:00*	*08/12/22 10:23*	*1*
2-Fluorophenol (Surr)	*69*		*55 - 105*	*08/11/22 07:00*	*08/12/22 10:23*	*1*
Nitrobenzene-d5 (Surr)	*69*		*55 - 109*	*08/11/22 07:00*	*08/12/22 10:23*	*1*
Phenol-d5 (Surr)	*73*		*48 - 105*	*08/11/22 07:00*	*08/12/22 10:23*	*1*
Terphenyl-d14 (Surr)	*62*		*37 - 107*	*08/11/22 07:00*	*08/12/22 10:23*	*1*

Lab Sample ID: LCS 180-408319/2-A
Matrix: Solid
Analysis Batch: 408454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.192		mg/L		77	61 - 100
2,4,5-Trichlorophenol	0.250	0.191		mg/L		76	53 - 104
2,4,6-Trichlorophenol	0.250	0.187		mg/L		75	53 - 103
2,4-Dinitrotoluene	0.250	0.156		mg/L		62	43 - 100
Cresols, Total	0.750	0.610		mg/L		81	58 - 100
Hexachlorobenzene	0.250	0.113		mg/L		45	34 - 100
Hexachlorobutadiene	0.250	0.187		mg/L		75	52 - 110
Hexachloroethane	0.250	0.176		mg/L		71	56 - 100
m & p-Cresol	0.500	0.402		mg/L		80	59 - 100
Nitrobenzene	0.250	0.171		mg/L		68	60 - 100
o-Cresol	0.250	0.208		mg/L		83	56 - 100
Pentachlorophenol	0.250	0.146	J	mg/L		59	14 - 112
Pyridine	0.250	0.185		mg/L		74	54 - 107

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*32 - 115*
2-Fluorobiphenyl	*68*		*55 - 105*
2-Fluorophenol (Surr)	*71*		*55 - 105*
Nitrobenzene-d5 (Surr)	*71*		*55 - 109*
Phenol-d5 (Surr)	*76*		*48 - 105*
Terphenyl-d14 (Surr)	*69*		*37 - 107*

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

Lab Sample ID: LCSD 180-408319/3-A
Matrix: Solid
Analysis Batch: 408454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 408319

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.250	0.190		mg/L		76	61 - 100	1	15
2,4,5-Trichlorophenol			0.250	0.194		mg/L		78	53 - 104	1	15
2,4,6-Trichlorophenol			0.250	0.187		mg/L		75	53 - 103	0	15
2,4-Dinitrotoluene			0.250	0.164		mg/L		66	43 - 100	5	15
Cresols, Total			0.750	0.596		mg/L		79	58 - 100	2	15
Hexachlorobenzene			0.250	0.112		mg/L		45	34 - 100	1	15
Hexachlorobutadiene			0.250	0.188		mg/L		75	52 - 110	1	15
Hexachloroethane			0.250	0.177		mg/L		71	56 - 100	0	15
m & p-Cresol			0.500	0.399		mg/L		80	59 - 100	1	15
Nitrobenzene			0.250	0.171		mg/L		69	60 - 100	0	15
o-Cresol			0.250	0.196		mg/L		78	56 - 100	6	15
Pentachlorophenol			0.250	0.147	J	mg/L		59	14 - 112	1	18
Pyridine			0.250	0.190		mg/L		76	54 - 107	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*32 - 115*
2-Fluorobiphenyl	*70*		*55 - 105*
2-Fluorophenol (Surr)	*71*		*55 - 105*
Nitrobenzene-d5 (Surr)	*74*		*55 - 109*
Phenol-d5 (Surr)	*76*		*48 - 105*
Terphenyl-d14 (Surr)	*70*		*37 - 107*

Lab Sample ID: LB 180-408025/1-D
Matrix: Solid
Analysis Batch: 408454

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 408319

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/11/22 07:00	08/12/22 14:16	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 14:16	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/11/22 07:00	08/12/22 14:16	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 14:16	1
Cresols, Total	ND		0.10	0.012	mg/L		08/11/22 07:00	08/12/22 14:16	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/11/22 07:00	08/12/22 14:16	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/11/22 07:00	08/12/22 14:16	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 14:16	1
m & p-Cresol	ND		0.050	0.0079	mg/L		08/11/22 07:00	08/12/22 14:16	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/11/22 07:00	08/12/22 14:16	1
o-Cresol	ND		0.050	0.0040	mg/L		08/11/22 07:00	08/12/22 14:16	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/11/22 07:00	08/12/22 14:16	1
Pyridine	ND		0.10	0.0082	mg/L		08/11/22 07:00	08/12/22 14:16	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*32 - 115*	*08/11/22 07:00*	*08/12/22 14:16*	*1*
2-Fluorobiphenyl	*63*		*55 - 105*	*08/11/22 07:00*	*08/12/22 14:16*	*1*
2-Fluorophenol (Surr)	*68*		*55 - 105*	*08/11/22 07:00*	*08/12/22 14:16*	*1*
Nitrobenzene-d5 (Surr)	*70*		*55 - 109*	*08/11/22 07:00*	*08/12/22 14:16*	*1*
Phenol-d5 (Surr)	*70*		*48 - 105*	*08/11/22 07:00*	*08/12/22 14:16*	*1*
Terphenyl-d14 (Surr)	*62*		*37 - 107*	*08/11/22 07:00*	*08/12/22 14:16*	*1*

Method: EPA 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-408312/1-A
Matrix: Solid
Analysis Batch: 408450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		08/11/22 05:50	08/12/22 15:15	1
Endrin	ND		0.00050	0.000091	mg/L		08/11/22 05:50	08/12/22 15:15	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/11/22 05:50	08/12/22 15:15	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/11/22 05:50	08/12/22 15:15	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/11/22 05:50	08/12/22 15:15	1
Methoxychlor	ND		0.00050	0.00031	mg/L		08/11/22 05:50	08/12/22 15:15	1
Toxaphene	ND		0.040	0.020	mg/L		08/11/22 05:50	08/12/22 15:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*48 - 137*	*08/11/22 05:50*	*08/12/22 15:15*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*48 - 137*	*08/11/22 05:50*	*08/12/22 15:15*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*56 - 137*	*08/11/22 05:50*	*08/12/22 15:15*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*56 - 137*	*08/11/22 05:50*	*08/12/22 15:15*	*1*

Lab Sample ID: LCS 180-408312/2-A
Matrix: Solid
Analysis Batch: 408450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408312

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin			0.0100	0.0107		mg/L		107	72 - 115		
gamma-BHC (Lindane)			0.0100	0.00943		mg/L		94	67 - 120		
Heptachlor			0.0100	0.0102		mg/L		102	71 - 125		
Heptachlor epoxide			0.0100	0.00940		mg/L		94	67 - 123		
Methoxychlor			0.0100	0.0112	*+	mg/L		112	59 - 109		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*113*		*48 - 137*
DCB Decachlorobiphenyl (Surr)	*115*		*48 - 137*
Tetrachloro-m-xylene (Surr)	*97*		*56 - 137*
Tetrachloro-m-xylene (Surr)	*87*		*56 - 137*

Lab Sample ID: LCSD 180-408312/3-A
Matrix: Solid
Analysis Batch: 408450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 408312

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin			0.0100	0.0104		mg/L		104	72 - 115	3	15
gamma-BHC (Lindane)			0.0100	0.00917		mg/L		92	67 - 120	3	18
Heptachlor			0.0100	0.00981		mg/L		98	71 - 125	4	16
Heptachlor epoxide			0.0100	0.00913		mg/L		91	67 - 123	3	15
Methoxychlor			0.0100	0.0110	*+	mg/L		110	59 - 109	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*48 - 137*
DCB Decachlorobiphenyl (Surr)	*114*		*48 - 137*
Tetrachloro-m-xylene (Surr)	*92*		*56 - 137*
Tetrachloro-m-xylene (Surr)	*83*		*56 - 137*

Method: EPA 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 180-408025/1-C
Matrix: Solid
Analysis Batch: 408450

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 408312

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		08/11/22 05:50	08/12/22 16:03	1
Endrin	ND		0.00050	0.000091	mg/L		08/11/22 05:50	08/12/22 16:03	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/11/22 05:50	08/12/22 16:03	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/11/22 05:50	08/12/22 16:03	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/11/22 05:50	08/12/22 16:03	1
Methoxychlor	ND		0.00050	0.00031	mg/L		08/11/22 05:50	08/12/22 16:03	1
Toxaphene	ND		0.040	0.020	mg/L		08/11/22 05:50	08/12/22 16:03	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*48 - 137*	*08/11/22 05:50*	*08/12/22 16:03*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*48 - 137*	*08/11/22 05:50*	*08/12/22 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*56 - 137*	*08/11/22 05:50*	*08/12/22 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*56 - 137*	*08/11/22 05:50*	*08/12/22 16:03*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-407891/1-A
Matrix: Solid
Analysis Batch: 408111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.3	2.7	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1221	ND		8.3	3.0	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1232	ND		8.3	2.0	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1242	ND		8.3	1.2	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1248	ND		8.3	2.0	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1254	ND		8.3	2.5	ug/Kg		08/08/22 13:32	08/10/22 10:05	1
PCB-1260	ND		8.3	2.4	ug/Kg		08/08/22 13:32	08/10/22 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*08/08/22 13:32*	*08/10/22 10:05*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*08/08/22 13:32*	*08/10/22 10:05*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*08/08/22 13:32*	*08/10/22 10:05*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*08/08/22 13:32*	*08/10/22 10:05*	*1*

Lab Sample ID: LCS 180-407891/2-A
Matrix: Solid
Analysis Batch: 408111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407891

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			667	627		ug/Kg		94	43 - 136		
PCB-1260			667	730		ug/Kg		109	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: 180-142292-2 MS
Matrix: Solid
Analysis Batch: 408111

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 407891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1380	1500		ug/Kg	☼	109	43 - 136
PCB-1260	66		1380	1580		ug/Kg	☼	110	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*

Lab Sample ID: 180-142292-2 MSD
Matrix: Solid
Analysis Batch: 408111

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 407891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1370	1300		ug/Kg	☼	95	43 - 136	14	40
PCB-1260	66		1370	1300		ug/Kg	☼	90	55 - 128	19	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*

Method: EPA 8151A - Herbicides (GC)

Lab Sample ID: MB 180-408322/1-A
Matrix: Solid
Analysis Batch: 408559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/11/22 08:00	08/13/22 15:37	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/11/22 08:00	08/13/22 15:37	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*88*		*48 - 127*	*08/11/22 08:00*	*08/13/22 15:37*	*20*
2,4-Dichlorophenylacetic acid (Surr)	*94*		*48 - 127*	*08/11/22 08:00*	*08/13/22 15:37*	*20*

Lab Sample ID: LCS 180-408322/2-A
Matrix: Solid
Analysis Batch: 408559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408322

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D			0.200	0.202		mg/L		101	23 - 139
Silvex (2,4,5-TP)			0.0500	0.0532		mg/L		106	33 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*99*		*48 - 127*

Method: EPA 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 180-408322/2-A
Matrix: Solid
Analysis Batch: 408559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408322

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*105*		*48 - 127*

Lab Sample ID: LCSD 180-408322/3-A
Matrix: Solid
Analysis Batch: 408559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 408322

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			0.200	0.197		mg/L		98	23 - 139	3	35
Silvex (2,4,5-TP)			0.0500	0.0526		mg/L		105	33 - 140	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*98*		*48 - 127*
2,4-Dichlorophenylacetic acid (Surr)	*103*		*48 - 127*

Lab Sample ID: LB 180-408025/1-E
Matrix: Solid
Analysis Batch: 408559

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 408322

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/11/22 08:00	08/13/22 17:54	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/11/22 08:00	08/13/22 17:54	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*85*		*48 - 127*	*08/11/22 08:00*	*08/13/22 17:54*	*20*
2,4-Dichlorophenylacetic acid (Surr)	*90*		*48 - 127*	*08/11/22 08:00*	*08/13/22 17:54*	*20*

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-408543/1-A
Matrix: Solid
Analysis Batch: 408717

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0083	mg/L		08/12/22 16:35	08/15/22 08:02	1
Barium	ND		0.20	0.0063	mg/L		08/12/22 16:35	08/15/22 08:02	1
Cadmium	ND		0.050	0.00030	mg/L		08/12/22 16:35	08/15/22 08:02	1
Chromium	ND		0.050	0.0016	mg/L		08/12/22 16:35	08/15/22 08:02	1
Copper	ND		0.025	0.0022	mg/L		08/12/22 16:35	08/15/22 08:02	1
Lead	ND		0.050	0.0044	mg/L		08/12/22 16:35	08/15/22 08:02	1
Nickel	ND		0.040	0.0019	mg/L		08/12/22 16:35	08/15/22 08:02	1
Selenium	ND		0.050	0.0037	mg/L		08/12/22 16:35	08/15/22 08:02	1
Silver	ND		0.050	0.00091	mg/L		08/12/22 16:35	08/15/22 08:02	1
Zinc	ND		0.020	0.0026	mg/L		08/12/22 16:35	08/15/22 08:02	1
Molybdenum	ND		0.040	0.0025	mg/L		08/12/22 16:35	08/15/22 08:02	1

Method: EPA 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-408543/2-A
Matrix: Solid
Analysis Batch: 408717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	0.973		mg/L		97	80 - 120
Cadmium	0.500	0.517		mg/L		103	80 - 120
Chromium	0.500	0.482		mg/L		96	80 - 120
Copper	0.500	0.492		mg/L		98	80 - 120
Lead	0.500	0.510		mg/L		102	80 - 120
Nickel	0.500	0.507		mg/L		101	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.256		mg/L		103	80 - 120
Zinc	0.250	0.251		mg/L		100	80 - 120
Molybdenum	0.500	0.502		mg/L		100	80 - 120

Lab Sample ID: LB 180-408025/1-F
Matrix: Solid
Analysis Batch: 408717

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 408543

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		08/12/22 16:35	08/15/22 08:12	1
Barium	ND		2.0	0.063	mg/L		08/12/22 16:35	08/15/22 08:12	1
Cadmium	ND		0.50	0.0030	mg/L		08/12/22 16:35	08/15/22 08:12	1
Chromium	ND		0.50	0.016	mg/L		08/12/22 16:35	08/15/22 08:12	1
Copper	ND		0.25	0.022	mg/L		08/12/22 16:35	08/15/22 08:12	1
Lead	ND		0.50	0.044	mg/L		08/12/22 16:35	08/15/22 08:12	1
Nickel	ND		0.40	0.019	mg/L		08/12/22 16:35	08/15/22 08:12	1
Selenium	ND		0.50	0.037	mg/L		08/12/22 16:35	08/15/22 08:12	1
Silver	ND		0.50	0.0091	mg/L		08/12/22 16:35	08/15/22 08:12	1
Zinc	ND		0.20	0.026	mg/L		08/12/22 16:35	08/15/22 08:12	1
Molybdenum	ND		0.40	0.025	mg/L		08/12/22 16:35	08/15/22 08:12	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-408279/1-A
Matrix: Solid
Analysis Batch: 408389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 408279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/11/22 07:11	08/11/22 14:32	1

Lab Sample ID: LCS 180-408279/2-A
Matrix: Solid
Analysis Batch: 408389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 408279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00251		mg/L		100	80 - 120

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 180-408025/1-B
Matrix: Solid
Analysis Batch: 408389

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 408279

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/11/22 07:11	08/11/22 14:34	1

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-409669/1-A
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/23/22 09:44	08/24/22 12:18	1

Lab Sample ID: LCS 180-409669/2-A
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.364		mg/Kg		87	80 - 120

Lab Sample ID: MB 180-409708/1-A
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/23/22 13:03	08/24/22 14:35	1

Lab Sample ID: LCS 180-409708/2-A
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.372		mg/Kg		89	80 - 120

Lab Sample ID: 180-142292-1 MS
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 409708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	11		0.144	10.5	4	mg/Kg	☼	-60	80 - 120

Lab Sample ID: 180-142292-1 MSD
Matrix: Solid
Analysis Batch: 409876

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 409708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	11		0.146	11.4	4	mg/Kg	☼	550	80 - 120	8	20

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-862202/1-A
Matrix: Solid
Analysis Batch: 862206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 862202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		25	25	mg/Kg		08/19/22 16:35	08/19/22 16:45	1

Lab Sample ID: LCS 460-862202/2-A
Matrix: Solid
Analysis Batch: 862206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 862202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	40.0	ND		mg/Kg		12	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-862199/1-A
Matrix: Solid
Analysis Batch: 862205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 862199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		20	20	mg/Kg		08/19/22 16:30	08/19/22 16:42	1

Lab Sample ID: LCSSRM 460-862199/3-A
Matrix: Solid
Analysis Batch: 862205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 862199

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	70.9	64.1		mg/Kg		90.4	46.7 - 142.5

Method: EPA 1020B - Ignitability, Small Scale Closed-Cup Method

Lab Sample ID: 180-142292-1 DU
Matrix: Solid
Analysis Batch: 407339

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ignitability	>140		>140		Degrees F		NC	20

Method: EPA 1664B - HEM and SGT-HEM

Lab Sample ID: MB 180-407619/1-A
Matrix: Solid
Analysis Batch: 407626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	ND		5.0	4.3	mg/L		08/05/22 09:34	08/05/22 09:59	1

Lab Sample ID: LCS 180-407619/2-A
Matrix: Solid
Analysis Batch: 407626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease (HEM)	39.8	36.6		mg/L		92	78 - 114

Method: EPA 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 180-407619/3-A
Matrix: Solid
Analysis Batch: 407626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 407619

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease (HEM)			39.8	34.9		mg/L		88	78 - 114	5	18

Lab Sample ID: LB 180-407372/1-C
Matrix: Solid
Analysis Batch: 407626

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 407619

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	ND		4.7	4.0	mg/L		08/05/22 09:34	08/05/22 09:59	1

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 180-407750/17
Matrix: Solid
Analysis Batch: 407750

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, distilled	ND		0.10	0.088	mg/L			08/06/22 10:50	1

Lab Sample ID: LCS 180-407750/18
Matrix: Solid
Analysis Batch: 407750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia, distilled			0.500	0.516		mg/L		103	90 - 110		

Lab Sample ID: LB 180-407372/1-A
Matrix: Solid
Analysis Batch: 407750

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, distilled	ND		0.10	0.088	mg/L			08/06/22 11:22	1

Method: EPA 410.4 - COD

Lab Sample ID: MB 180-407500/36-A
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	9.1	mg/L		08/04/22 13:22	08/04/22 17:47	1

Lab Sample ID: MB 180-407500/60-A
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	9.1	mg/L		08/04/22 13:22	08/04/22 17:56	1

Method: EPA 410.4 - COD (Continued)

Lab Sample ID: MB 180-407500/84-A
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	9.1	mg/L		08/04/22 13:22	08/04/22 18:06	1

Lab Sample ID: LCS 180-407500/59-A
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	77.2		mg/L		103	90 - 110

Lab Sample ID: LCS 180-407500/83-A
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	72.9		mg/L		97	90 - 110

Lab Sample ID: LB 180-407372/1-B
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 407500

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	9.1	mg/L		08/04/22 13:22	08/04/22 17:59	1

Lab Sample ID: LB 180-407476/1-B
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 407500

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		100	90	mg/L		08/04/22 13:22	08/04/22 18:01	1

Lab Sample ID: LCS 180-407476/2-B
Matrix: Solid
Analysis Batch: 407534

Client Sample ID: Lab Control Sample
Prep Type: ASTM Leach
Prep Batch: 407500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	728	770		mg/L		106	90 - 110

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-408912/1
Matrix: Solid
Analysis Batch: 408912

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Method: EPA 9071B - HEM and SGT-HEM

Lab Sample ID: MB 180-407317/1-A
Matrix: Solid
Analysis Batch: 407437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 407317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	ND		170	74	mg/Kg		08/04/22 02:45	08/04/22 02:45	1

Lab Sample ID: LCS 180-407317/2-A
Matrix: Solid
Analysis Batch: 407437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 407317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease (HEM)	1330	1260		mg/Kg		95	78 - 114

Lab Sample ID: 180-142292-1 MS
Matrix: Solid
Analysis Batch: 407437

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 407317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease (HEM)	1600		1410	2730		mg/Kg	☼	84	78 - 114

Lab Sample ID: 180-142292-1 MSD
Matrix: Solid
Analysis Batch: 407437

Client Sample ID: TI-NA-FL-D-2207270900
Prep Type: Total/NA
Prep Batch: 407317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease (HEM)	1600		1410	2870		mg/Kg	☼	94	78 - 114	5	18

Method: SM 2540B - Total Solids

Lab Sample ID: MB 180-408228/1
Matrix: Solid
Analysis Batch: 408228

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	ND		10	10	mg/L			08/10/22 16:53	1

Lab Sample ID: LCS 180-408228/2
Matrix: Solid
Analysis Batch: 408228

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Solids	243	226		mg/L		93	85 - 115

Lab Sample ID: LCSD 180-408228/3
Matrix: Solid
Analysis Batch: 408228

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
Total Solids	243	214		mg/L		88	85 - 115	5	20

Method: SM 2540B - Total Solids (Continued)

Lab Sample ID: LB 180-407372/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: ASTM Leach
Analysis Batch: 408228

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	ND		10	10	mg/L			08/10/22 16:53	1

GC/MS VOA

Leach Batch: 407277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	
LB 180-407277/1-A	Method Blank	TCLP	Solid	EPA 1311	
180-142292-2 MS	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	
180-142292-2 MSD	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	

Analysis Batch: 407435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8260D	407277
LB 180-407277/1-A	Method Blank	TCLP	Solid	EPA 8260D	407277
LCS 180-407435/3	Lab Control Sample	Total/NA	Solid	EPA 8260D	
180-142292-2 MS	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8260D	407277
180-142292-2 MSD	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8260D	407277

GC/MS Semi VOA

Leach Batch: 408025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	
LB 180-408025/1-D	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 408319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	3510C	408025
LB 180-408025/1-D	Method Blank	TCLP	Solid	3510C	408025
MB 180-408319/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-408319/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-408319/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 408454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8270E	408319
LB 180-408025/1-D	Method Blank	TCLP	Solid	EPA 8270E	408319
MB 180-408319/1-A	Method Blank	Total/NA	Solid	EPA 8270E	408319
LCS 180-408319/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	408319
LCSD 180-408319/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270E	408319

GC Semi VOA

Prep Batch: 407891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	Total/NA	Solid	3541	
MB 180-407891/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-407891/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-142292-2 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	3541	
180-142292-2 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	3541	

Leach Batch: 408025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	
LB 180-408025/1-C	Method Blank	TCLP	Solid	EPA 1311	
LB 180-408025/1-E	Method Blank	TCLP	Solid	EPA 1311	

GC Semi VOA

Analysis Batch: 408111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 8082A	408117
MB 180-407891/1-A	Method Blank	Total/NA	Solid	EPA 8082A	407891
LCS 180-407891/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	407891
180-142292-2 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 8082A	408117
180-142292-2 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 8082A	408117

Cleanup Batch: 408115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	Total/NA	Solid	3665A	407891
180-142292-2 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	3665A	407891
180-142292-2 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	3665A	407891

Cleanup Batch: 408117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	Total/NA	Solid	3660B	408115
180-142292-2 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	3660B	408115
180-142292-2 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	3660B	408115

Prep Batch: 408312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	3510C	408025
LB 180-408025/1-C	Method Blank	TCLP	Solid	3510C	408025
MB 180-408312/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-408312/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-408312/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 408322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	8151A	408025
LB 180-408025/1-E	Method Blank	TCLP	Solid	8151A	408025
MB 180-408322/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 180-408322/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 180-408322/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 408450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8081B	408312
LB 180-408025/1-C	Method Blank	TCLP	Solid	EPA 8081B	408312
MB 180-408312/1-A	Method Blank	Total/NA	Solid	EPA 8081B	408312
LCS 180-408312/2-A	Lab Control Sample	Total/NA	Solid	EPA 8081B	408312
LCSD 180-408312/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8081B	408312

Analysis Batch: 408559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 8151A	408322
LB 180-408025/1-E	Method Blank	TCLP	Solid	EPA 8151A	408322
MB 180-408322/1-A	Method Blank	Total/NA	Solid	EPA 8151A	408322
LCS 180-408322/2-A	Lab Control Sample	Total/NA	Solid	EPA 8151A	408322
LCSD 180-408322/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8151A	408322

Metals

Leach Batch: 408025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 1311	
LB 180-408025/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-408025/1-F	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 408279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	7470A	408025
LB 180-408025/1-B	Method Blank	TCLP	Solid	7470A	408025
MB 180-408279/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-408279/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 408389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 7470A	408279
LB 180-408025/1-B	Method Blank	TCLP	Solid	EPA 7470A	408279
MB 180-408279/1-A	Method Blank	Total/NA	Solid	EPA 7470A	408279
LCS 180-408279/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	408279

Prep Batch: 408543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	3010A	408025
LB 180-408025/1-F	Method Blank	TCLP	Solid	3010A	408025
MB 180-408543/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-408543/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 408717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	EPA 6010D	408543
LB 180-408025/1-F	Method Blank	TCLP	Solid	EPA 6010D	408543
MB 180-408543/1-A	Method Blank	Total/NA	Solid	EPA 6010D	408543
LCS 180-408543/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	408543

Prep Batch: 409669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-409669/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-409669/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 409708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	7471B	
MB 180-409708/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-409708/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-142292-1 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	7471B	
180-142292-1 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	7471B	

Analysis Batch: 409876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 7471B	409708
MB 180-409669/1-A	Method Blank	Total/NA	Solid	EPA 7471B	409669
MB 180-409708/1-A	Method Blank	Total/NA	Solid	EPA 7471B	409708
LCS 180-409669/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	409669

Metals (Continued)

Analysis Batch: 409876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-409708/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	409708
180-142292-1 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 7471B	409708
180-142292-1 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 7471B	409708

General Chemistry

Prep Batch: 407317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	9071B	
MB 180-407317/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 180-407317/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-142292-1 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	9071B	
180-142292-1 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	9071B	

Analysis Batch: 407324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	SM 2540G	

Analysis Batch: 407339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 1020B	
180-142292-1 DU	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 1020B	

Analysis Batch: 407367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-2	TI-NA-FL-D-2207270900	Total/NA	Solid	2540G	

Leach Batch: 407372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	D3987-85	
LB 180-407372/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
LB 180-407372/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB 180-407372/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 407437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 9071B	407317
MB 180-407317/1-A	Method Blank	Total/NA	Solid	EPA 9071B	407317
LCS 180-407317/2-A	Lab Control Sample	Total/NA	Solid	EPA 9071B	407317
180-142292-1 MS	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 9071B	407317
180-142292-1 MSD	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 9071B	407317

Leach Batch: 407476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-407476/1-B	Method Blank	ASTM Leach	Solid	DI Leach	
LCS 180-407476/2-B	Lab Control Sample	ASTM Leach	Solid	DI Leach	

Prep Batch: 407500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	410.4	407372
LB 180-407372/1-B	Method Blank	ASTM Leach	Solid	410.4	407372

General Chemistry (Continued)

Prep Batch: 407500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-407476/1-B	Method Blank	ASTM Leach	Solid	410.4	407476
MB 180-407500/36-A	Method Blank	Total/NA	Solid	410.4	
MB 180-407500/60-A	Method Blank	Total/NA	Solid	410.4	
MB 180-407500/84-A	Method Blank	Total/NA	Solid	410.4	
LCS 180-407476/2-B	Lab Control Sample	ASTM Leach	Solid	410.4	407476
LCS 180-407500/59-A	Lab Control Sample	Total/NA	Solid	410.4	
LCS 180-407500/83-A	Lab Control Sample	Total/NA	Solid	410.4	

Analysis Batch: 407534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	EPA 410.4	407500
LB 180-407372/1-B	Method Blank	ASTM Leach	Solid	EPA 410.4	407500
LB 180-407476/1-B	Method Blank	ASTM Leach	Solid	EPA 410.4	407500
MB 180-407500/36-A	Method Blank	Total/NA	Solid	EPA 410.4	407500
MB 180-407500/60-A	Method Blank	Total/NA	Solid	EPA 410.4	407500
MB 180-407500/84-A	Method Blank	Total/NA	Solid	EPA 410.4	407500
LCS 180-407476/2-B	Lab Control Sample	ASTM Leach	Solid	EPA 410.4	407500
LCS 180-407500/59-A	Lab Control Sample	Total/NA	Solid	EPA 410.4	407500
LCS 180-407500/83-A	Lab Control Sample	Total/NA	Solid	EPA 410.4	407500

Analysis Batch: 407539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	2540G	

Prep Batch: 407619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	1664B	407372
LB 180-407372/1-C	Method Blank	ASTM Leach	Solid	1664B	407372
MB 180-407619/1-A	Method Blank	Total/NA	Solid	1664B	
LCS 180-407619/2-A	Lab Control Sample	Total/NA	Solid	1664B	
LCSD 180-407619/3-A	Lab Control Sample Dup	Total/NA	Solid	1664B	

Analysis Batch: 407626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	EPA 1664B	407619
LB 180-407372/1-C	Method Blank	ASTM Leach	Solid	EPA 1664B	407619
MB 180-407619/1-A	Method Blank	Total/NA	Solid	EPA 1664B	407619
LCS 180-407619/2-A	Lab Control Sample	Total/NA	Solid	EPA 1664B	407619
LCSD 180-407619/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 1664B	407619

Analysis Batch: 407750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	EPA 350.1	407372
LB 180-407372/1-A	Method Blank	ASTM Leach	Solid	EPA 350.1	407372
MB 180-407750/17	Method Blank	Total/NA	Solid	EPA 350.1	
LCS 180-407750/18	Lab Control Sample	Total/NA	Solid	EPA 350.1	

Analysis Batch: 408228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	ASTM Leach	Solid	SM 2540B	407372
LB 180-407372/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	407372

General Chemistry (Continued)

Analysis Batch: 408228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-408228/1	Method Blank	Total/NA	Solid	SM 2540B	
LCS 180-408228/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
LCSD 180-408228/3	Lab Control Sample Dup	Total/NA	Solid	SM 2540B	

Analysis Batch: 408241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	TCLP	Solid	1311	

Analysis Batch: 408492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 9095B	

Analysis Batch: 408912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	EPA 9045D	
LCS 180-408912/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	

Prep Batch: 862199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	7.3.4	
MB 460-862199/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-862199/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Prep Batch: 862202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	7.3.3	
MB 460-862202/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-862202/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Analysis Batch: 862205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	9034	862199
MB 460-862199/1-A	Method Blank	Total/NA	Solid	9034	862199
LCSSRM 460-862199/3-A	Lab Control Sample	Total/NA	Solid	9034	862199

Analysis Batch: 862206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-142292-1	TI-NA-FL-D-2207270900	Total/NA	Solid	9014	862202
MB 460-862202/1-A	Method Blank	Total/NA	Solid	9014	862202
LCS 460-862202/2-A	Lab Control Sample	Total/NA	Solid	9014	862202

Lab Chronicle

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

Client Sample ID: TI-NA-FL-D-2207270900

Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.13 g	2000 mL	408025	08/09/22 18:00	MJC	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	408319	08/11/22 07:00	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	408454	08/12/22 19:02	VVP	EET PIT
	Instrument ID: CHMSD7									
TCLP	Leach	EPA 1311			100.13 g	2000 mL	408025	08/09/22 18:00	MJC	EET PIT
TCLP	Prep	3510C			100 mL	40.0 mL	408312	08/11/22 05:50	CBY	EET PIT
TCLP	Analysis	EPA 8081B		1			408450	08/12/22 17:38	APD	EET PIT
	Instrument ID: CHGC17									
TCLP	Leach	EPA 1311			100.13 g	2000 mL	408025	08/09/22 18:00	MJC	EET PIT
TCLP	Prep	8151A			100 mL	10.0 mL	408322	08/11/22 08:00	CBY	EET PIT
TCLP	Analysis	EPA 8151A		20			408559	08/13/22 16:55	JMO	EET PIT
	Instrument ID: CGC1									
TCLP	Leach	EPA 1311			100.13 g	2000 mL	408025	08/09/22 18:00	MJC	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	408543	08/12/22 16:35	NAF	EET PIT
TCLP	Analysis	EPA 6010D		1			408717	08/15/22 10:03	RJG	EET PIT
	Instrument ID: C									
TCLP	Leach	EPA 1311			100.13 g	2000 mL	408025	08/09/22 18:00	MJC	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	408279	08/11/22 07:11	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			408389	08/11/22 14:49	RJR	EET PIT
	Instrument ID: HGY									
TCLP	Analysis	1311		1			408241	08/10/22 19:23	SAB	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540G		1			407539	08/04/22 18:01	PMH	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	7.3.3			10 g	50 mL	862202	08/19/22 16:35	YAH	EET EDI
Total/NA	Analysis	9014		1	25 mL	25 mL	862206	08/19/22 16:45	YAH	EET EDI
	Instrument ID: NOEQUIP									
Total/NA	Prep	7.3.4			10 g	50 mL	862199	08/19/22 16:30	YAH	EET EDI
Total/NA	Analysis	9034		1	25 mL	25 mL	862205	08/19/22 16:42	YAH	EET EDI
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 1020B		1			407339	08/03/22 12:25	BAC	EET PIT
	Instrument ID: NOEQUIP									
ASTM Leach	Leach	D3987-85			100.98 g	2000 mL	407372	08/03/22 18:00	MJC	EET PIT
ASTM Leach	Prep	1664B			1070 mL	1000 mL	407619	08/05/22 09:34	SMW	EET PIT
ASTM Leach	Analysis	EPA 1664B		1			407626	08/05/22 09:59	SMW	EET PIT
	Instrument ID: NOEQUIP									
ASTM Leach	Leach	D3987-85			100.98 g	2000 mL	407372	08/03/22 18:00	MJC	EET PIT
ASTM Leach	Analysis	EPA 350.1		1			407750	08/06/22 11:38	SNR	EET PIT
	Instrument ID: BLUE-ASTORIA									
ASTM Leach	Leach	D3987-85			100.98 g	2000 mL	407372	08/03/22 18:00	MJC	EET PIT
ASTM Leach	Prep	410.4			1 mL	1 mL	407500	08/04/22 13:22	ELS	EET PIT
ASTM Leach	Analysis	EPA 410.4		1	1 mL	1 mL	407534	08/04/22 17:59	ELS	EET PIT
	Instrument ID: GENESYS10S									
Total/NA	Analysis	EPA 9045D		1	20.37 g	20 mL	408912	08/16/22 16:44	ELS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Anchor QEA LLC
Project/Site: Vo Toys - Harrison, NJ

Job ID: 180-142292-1

Client Sample ID: TI-NA-FL-D-2207270900
Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9095B		1			408492	08/12/22 11:24	ELS	EET PIT
ASTM Leach	Leach	D3987-85			100.98 g	2000 mL	407372	08/03/22 18:00	MJC	EET PIT
ASTM Leach	Analysis	SM 2540B		1	50 mL	100 mL	408228	08/10/22 16:53	JCR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540G		1			407324	08/03/22 12:09	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TI-NA-FL-D-2207270900
Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-1
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.75 g	100 mL	409708	08/23/22 13:03	HCY	EET PIT
Total/NA	Analysis	EPA 7471B		25			409876	08/24/22 15:09	SNR	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	9071B			30.44 g	30.0 g	407317	08/04/22 02:45	CBY	EET PIT
Total/NA	Analysis	EPA 9071B		1			407437	08/04/22 02:45	SMW	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TI-NA-FL-D-2207270900
Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.33 g	500 mL	407277	08/03/22 07:21	CRL	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	407435	08/04/22 12:12	J1T	EET PIT
	Instrument ID: CHHP9									
Total/NA	Analysis	2540G		1			407367	08/03/22 17:56	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TI-NA-FL-D-2207270900
Date Collected: 07/27/22 09:00
Date Received: 08/02/22 09:10

Lab Sample ID: 180-142292-2
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.49 g	20.0 mL	407891	08/08/22 13:32	RGT	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	408115	08/10/22 07:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	408117	08/10/22 07:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1			408111	08/10/22 12:54	JMO	EET PIT
	Instrument ID: CHGC20									

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET EDI

Batch Type: Prep

YAH = Youhao Hu

Batch Type: Analysis

YAH = Youhao Hu

Lab: EET PIT

Batch Type: Leach

CRL = Craig Tronzo

JMO = John Oravec

MJC = Mathew Catanzariti

Batch Type: Prep

CBY = Charles Yushinski

ELS = Edwin Shireman

HCY = Harrison Yaeger

NAF = Nicholas Frankos

RGT = Rhianna Thomas

RJR = Ron Rosenbaum

SMW = Shelby Walters

Batch Type: Analysis

APD = Aaron DeLeo

BAC = Blase Cindric

ELS = Edwin Shireman

J1T = Jianwu Tang

JCR = Jessica Rodgers

JMO = John Oravec

PMH = Paloma Hoelzle

RJG = Rob Good

RJR = Ron Rosenbaum

SAB = Sharon Bacha

SMW = Shelby Walters

SNR = Sabra Richart

VVP = Vincent Piccolino

Accreditation/Certification Summary

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-23

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
1311		Solid	TCLP pH Post-Leach

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Massachusetts	State	M-NJ312	06-30-23
New Jersey	NELAP	12028	06-30-23
New York	NELAP	11452	04-01-23
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 8151A	Herbicides (GC)	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
1311	TCLP pH Post Leach	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
9014	Cyanide, Reactive	SW846	EET EDI
9034	Sulfide, Reactive	SW846	EET EDI
EPA 1020B	Ignitability, Small Scale Closed-Cup Method	SW846	EET PIT
EPA 1664B	HEM and SGT-HEM	EPA	EET PIT
EPA 350.1	Nitrogen, Ammonia	EPA	EET PIT
EPA 410.4	COD	MCAWW	EET PIT
EPA 9045D	pH	SW846	EET PIT
EPA 9071B	HEM and SGT-HEM	SW846	EET PIT
EPA 9095B	Paint Filter	SW846	EET PIT
SM 2540B	Total Solids	SM	EET PIT
SM 2540G	Total, Fixed, and Volatile Solids	SM	EET PIT
1311	TCLP Extraction	SW846	EET PIT
1664B	HEM and SGT-HEM (SPE)	1664B	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
410.4	COD	MCAWW	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7.3.3	Cyanide, Reactive	SW846	EET EDI
7.3.4	Sulfide, Reactive	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
8151A	Extraction (Herbicides)	SW846	EET PIT
9071B	Preparation, HEM and SGT-HEM	SW846	EET PIT
D3987-85	ASTM Leaching Procedure	ASTM	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

1664B = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Anchor QEA LLC
Job ID: 180-142292-1
Project/Site: Vo Toys - Harrison, NJ

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-142292-1	TI-NA-FL-D-2207270900	Solid	07/27/22 09:00	08/02/22 09:10
180-142292-2	TI-NA-FL-D-2207270900	Solid	07/27/22 09:00	08/02/22 09:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHHP9 Analysis Batch Number: 399329

Lab Sample ID: IC 180-399329/7 Client Sample ID:

Date Analyzed: 05/19/22 11:20 Lab File ID: 9051907.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 12:30
1,2,3-Trichloropropane	11.03	Peak assignment corrected	tangj	05/24/22 07:00
trans-1,4-Dichloro-2-butene	11.06	Peak assignment corrected	tangj	05/24/22 07:00

Lab Sample ID: IC 180-399329/8 Client Sample ID:

Date Analyzed: 05/19/22 11:42 Lab File ID: 9051908.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 12:31

Lab Sample ID: ICIS 180-399329/9 Client Sample ID:

Date Analyzed: 05/19/22 12:03 Lab File ID: 9051909.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 12:32

Lab Sample ID: IC 180-399329/10 Client Sample ID:

Date Analyzed: 05/19/22 12:24 Lab File ID: 9051910.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 12:54
2-Butanone (MEK)	4.52	Assign Peak	tangj	05/19/22 12:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHHP9 Analysis Batch Number: 399329

Lab Sample ID: IC 180-399329/11 Client Sample ID:

Date Analyzed: 05/19/22 12:46 Lab File ID: 9051911.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 13:42

Lab Sample ID: IC 180-399329/12 Client Sample ID:

Date Analyzed: 05/19/22 13:07 Lab File ID: 9051912.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 13:45
2-Butanone (MEK)	4.52	Assign Peak	tangj	05/19/22 13:46
2-Chlorotoluene	11.15	Assign Peak	tangj	05/19/22 13:47
4-Chlorotoluene	11.25	Assign Peak	tangj	05/19/22 13:47

Lab Sample ID: IC 180-399329/13 Client Sample ID:

Date Analyzed: 05/19/22 13:28 Lab File ID: 9051913.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.55	Assign Peak	tangj	05/19/22 13:49
2-Butanone (MEK)	4.52	Assign Peak	tangj	05/19/22 13:49
m-Xylene & p-Xylene	9.98	Assign Peak	tangj	05/19/22 13:49

Lab Sample ID: IC 180-399329/14 Client Sample ID:

Date Analyzed: 05/19/22 13:50 Lab File ID: 9051914.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.52	Assign Peak	tangj	05/19/22 14:15
m-Xylene & p-Xylene	9.98	Assign Peak	tangj	05/19/22 14:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHHP9 Analysis Batch Number: 407435

Lab Sample ID: 180-142292-2 MS Client Sample ID: TI-NA-FL-D-2207270900 MS

Date Analyzed: 08/04/22 12:33 Lab File ID: 9080408.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.51	Assign Peak	WVZ3	08/04/22 12:52

Lab Sample ID: LB 180-407277/1-A Client Sample ID:

Date Analyzed: 08/04/22 14:21 Lab File ID: 9080413.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	WVZ3	08/04/22 14:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Analysis Batch Number: 408103

Lab Sample ID: IC 180-408103/3 Client Sample ID:

Date Analyzed: 08/10/22 06:34 Lab File ID: M0810003.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.46	Peak assignment corrected	BCU1	08/11/22 05:36
N-Nitrosodimethylamine	1.91	Incomplete Integration	BCU1	08/11/22 05:37
Pyridine	1.98	Incomplete Integration	BCU1	08/11/22 05:37
Caprolactam	7.31	Incomplete Integration	BCU1	08/11/22 05:37
3-Nitroaniline	8.49	Incomplete Integration	BCU1	08/11/22 05:37
Benzidine	11.23	Incomplete Integration	BCU1	08/11/22 05:37
3,3'-Dichlorobenzidine	13.01	Incomplete Integration	BCU1	08/11/22 05:37
Bis(2-ethylhexyl) phthalate	13.09	Incomplete Integration	BCU1	08/11/22 05:37
Di-n-octyl phthalate	13.99	Incomplete Integration	BCU1	08/11/22 05:38
Benzo[k]fluoranthene	14.54	Incomplete Integration	BCU1	08/11/22 05:38
Indeno[1,2,3-cd]pyrene	16.45	Incomplete Integration	BCU1	08/11/22 05:38
Dibenz(a,h)anthracene	16.47	Incomplete Integration	BCU1	08/11/22 05:38
Benzo[g,h,i]perylene	16.88	Incomplete Integration	BCU1	08/11/22 05:38

Lab Sample ID: IC 180-408103/4 Client Sample ID:

Date Analyzed: 08/10/22 06:56 Lab File ID: M0810004.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	1.90	Incomplete Integration	BCU1	08/11/22 05:34
Pyridine	1.95	Incomplete Integration	BCU1	08/11/22 05:34
Benzoic acid	6.68	Incomplete Integration	BCU1	08/11/22 05:34
2,4-Dinitrophenol	8.59	Incomplete Integration	BCU1	08/11/22 05:35
Benzo[a]pyrene	14.91	Incomplete Integration	BCU1	08/11/22 05:36
Indeno[1,2,3-cd]pyrene	16.45	Incomplete Integration	BCU1	08/11/22 05:36
Dibenz(a,h)anthracene	16.46	Incomplete Integration	BCU1	08/11/22 05:36
Benzo[g,h,i]perylene	16.87	Incomplete Integration	BCU1	08/11/22 05:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Analysis Batch Number: 408103

Lab Sample ID: IC 180-408103/5 Client Sample ID:

Date Analyzed: 08/10/22 07:18 Lab File ID: M0810005.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.94	Incomplete Integration	BCU1	08/11/22 05:33
2,4-Dinitrophenol	8.58	Incomplete Integration	BCU1	08/11/22 05:33
Indeno[1,2,3-cd]pyrene	16.42	Incomplete Integration	BCU1	08/11/22 05:33
Dibenz(a,h)anthracene	16.44	Incomplete Integration	BCU1	08/11/22 05:33
Benzo[g,h,i]perylene	16.84	Incomplete Integration	BCU1	08/11/22 05:33

Lab Sample ID: ICIS 180-408103/6 Client Sample ID:

Date Analyzed: 08/10/22 07:40 Lab File ID: M0810006.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	6.69	Incomplete Integration	BCU1	08/11/22 05:31
2,4-Dinitrophenol	8.58	Incomplete Integration	BCU1	08/11/22 05:31
Indeno[1,2,3-cd]pyrene	16.42	Incomplete Integration	BCU1	08/11/22 05:32

Lab Sample ID: IC 180-408103/7 Client Sample ID:

Date Analyzed: 08/10/22 08:02 Lab File ID: M0810007.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	8.58	Peak assignment corrected	BCU1	08/11/22 05:39

Lab Sample ID: IC 180-408103/8 Client Sample ID:

Date Analyzed: 08/10/22 08:24 Lab File ID: M0810008.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	8.58	Peak assignment corrected	BCU1	08/11/22 05:40
Benzo[a]pyrene	14.89	Incomplete Integration	BCU1	08/11/22 05:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Analysis Batch Number: 408103

Lab Sample ID: IC 180-408103/9 Client Sample ID:

Date Analyzed: 08/10/22 08:46 Lab File ID: M0810009.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	8.59	Peak assignment corrected	BCU1	08/11/22 05:41

Lab Sample ID: IC 180-408103/10 Client Sample ID:

Date Analyzed: 08/10/22 09:08 Lab File ID: M0810010.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	8.58	Peak assignment corrected	BCU1	08/11/22 05:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Analysis Batch Number: 408454

Lab Sample ID: LCSD 180-408319/3-A Client Sample ID:

Date Analyzed: 08/12/22 11:02 Lab File ID: M0812008.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.93	Incomplete Integration	BCU1	08/13/22 06:57

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: IC 180-397721/2 Client Sample ID:

Date Analyzed: 05/05/22 09:53 Lab File ID: 05052202.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.18	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 2	7.71	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 3	7.90	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 4	7.98	Baseline Smoothing	eppinged	05/05/22 10:39
Dibutylchlorendate ISTD	8.41	Baseline Smoothing	eppinged	05/05/22 10:39

Lab Sample ID: IC 180-397721/2 Client Sample ID:

Date Analyzed: 05/05/22 09:53 Lab File ID: 05052202.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.20	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 2	7.74	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 3	7.93	Baseline Smoothing	eppinged	05/05/22 10:39
Dibutylchlorendate ISTD	8.23	Baseline Smoothing	eppinged	05/05/22 10:39
Toxaphene Peak 4	8.45	Baseline Smoothing	eppinged	05/05/22 10:39

Lab Sample ID: IC 180-397721/3 Client Sample ID:

Date Analyzed: 05/05/22 10:09 Lab File ID: 05052203.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.18	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 2	7.71	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 3	7.90	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 4	7.98	Peak assignment corrected	eppinged	05/05/22 10:37

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: IC 180-397721/3 Client Sample ID:

Date Analyzed: 05/05/22 10:09 Lab File ID: 05052203.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.20	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 2	7.74	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 3	7.93	Peak assignment corrected	eppinged	05/05/22 10:37
Toxaphene Peak 4	8.44	Peak assignment corrected	eppinged	05/05/22 10:38

Lab Sample ID: IC 180-397721/7 Client Sample ID:

Date Analyzed: 05/05/22 11:13 Lab File ID: 05052207.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Chlordane (technical) Peak 1	5.88	Peak assignment corrected	eppinged	05/05/22 11:27
Chlordane (technical) Peak 2	6.05	Peak assignment corrected	eppinged	05/05/22 11:27
Chlordane (technical) Peak 3	6.92	Peak assignment corrected	eppinged	05/05/22 11:27
Chlordane (technical) Peak 4	6.99	Peak assignment corrected	eppinged	05/05/22 11:28

Lab Sample ID: IC 180-397721/7 Client Sample ID:

Date Analyzed: 05/05/22 11:13 Lab File ID: 05052207.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Chlordane (technical) Peak 1	5.95	Peak assignment corrected	eppinged	05/05/22 11:28
Chlordane (technical) Peak 2	6.30	Peak assignment corrected	eppinged	05/05/22 11:28
Chlordane (technical) Peak 3	6.89	Split Peak	eppinged	05/05/22 11:28
Chlordane (technical) Peak 4	6.95	Peak assignment corrected	eppinged	05/05/22 11:28

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: IC 180-397721/8 Client Sample ID:

Date Analyzed: 05/05/22 11:29 Lab File ID: 05052208.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 3	6.89	Split Peak	eppinged	05/05/22 11:59

Lab Sample ID: IC 180-397721/9 Client Sample ID:

Date Analyzed: 05/05/22 11:45 Lab File ID: 05052209.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 3	6.89	Split Peak	eppinged	05/05/22 12:03

Lab Sample ID: IC 180-397721/10 Client Sample ID:

Date Analyzed: 05/05/22 12:00 Lab File ID: 05052210.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 3	6.89	Split Peak	eppinged	05/05/22 12:24

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: ICIS 180-397721/26 Client Sample ID:

Date Analyzed: 05/05/22 16:15 Lab File ID: 05052226.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	5.31	Peak assignment corrected	eppinged	05/06/22 05:50
gamma-BHC (Lindane)	5.58	Peak assignment corrected	eppinged	05/06/22 05:51
beta-BHC	5.74	Peak assignment corrected	eppinged	05/06/22 05:51
delta-BHC	5.95	Peak assignment corrected	eppinged	05/06/22 05:51
Heptachlor	6.05	Peak assignment corrected	eppinged	05/06/22 05:51
Aldrin	6.33	Peak assignment corrected	eppinged	05/06/22 05:51
Heptachlor epoxide	6.70	Peak assignment corrected	eppinged	05/06/22 05:52
trans-Chlordane	6.92	Peak assignment corrected	eppinged	05/06/22 05:52
cis-Chlordane	6.98	Peak assignment corrected	eppinged	05/06/22 05:52
Endosulfan I	7.03	Peak assignment corrected	eppinged	05/06/22 05:52
Dieldrin	7.27	Peak assignment corrected	eppinged	05/06/22 05:52
Endosulfan II	7.67	Peak assignment corrected	eppinged	05/06/22 05:53
Endrin aldehyde	7.79	Peak assignment corrected	eppinged	05/06/22 05:53
Endosulfan sulfate	8.00	Peak assignment corrected	eppinged	05/06/22 05:53
Methoxychlor	8.34	Peak assignment corrected	eppinged	05/06/22 05:53
DCB Decachlorobiphenyl (Surr)	10.36	Peak assignment corrected	eppinged	05/06/22 05:53

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: ICIS 180-397721/26 Client Sample ID:

Date Analyzed: 05/05/22 16:15 Lab File ID: 05052226.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	5.33	Peak assignment corrected	eppinged	05/06/22 05:50
gamma-BHC (Lindane)	5.63	Peak assignment corrected	eppinged	05/06/22 05:51
beta-BHC	5.87	Peak assignment corrected	eppinged	05/06/22 05:51
Heptachlor	5.95	Peak assignment corrected	eppinged	05/06/22 05:51
delta-BHC	6.09	Peak assignment corrected	eppinged	05/06/22 05:51
Aldrin	6.22	Peak assignment corrected	eppinged	05/06/22 05:51
Heptachlor epoxide	6.66	Peak assignment corrected	eppinged	05/06/22 05:52
trans-Chlordane	6.89	Peak assignment corrected	eppinged	05/06/22 05:52
cis-Chlordane	6.95	Peak assignment corrected	eppinged	05/06/22 05:52
Endosulfan I	7.01	Peak assignment corrected	eppinged	05/06/22 05:52
Dieldrin	7.26	Peak assignment corrected	eppinged	05/06/22 05:52
Endosulfan II	7.78	Peak assignment corrected	eppinged	05/06/22 05:53
Endrin aldehyde	7.94	Peak assignment corrected	eppinged	05/06/22 05:53
Endosulfan sulfate	8.16	Peak assignment corrected	eppinged	05/06/22 05:53
Methoxychlor	8.40	Peak assignment corrected	eppinged	05/06/22 05:53
DCB Decachlorobiphenyl (Surr)	10.41	Peak assignment corrected	eppinged	05/06/22 05:53

Lab Sample ID: ICV 180-397721/30 Client Sample ID:

Date Analyzed: 05/05/22 17:18 Lab File ID: 05052230.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.20	Baseline Smoothing	eppinged	05/06/22 05:32
Toxaphene Peak 2	7.74	Baseline Smoothing	eppinged	05/06/22 05:32
Toxaphene Peak 3	7.92	Baseline Smoothing	eppinged	05/06/22 05:32
Dibutylchlorendate ISTD	8.22	Baseline Smoothing	eppinged	05/06/22 05:32
Toxaphene Peak 4	8.44	Baseline Smoothing	eppinged	05/06/22 05:32

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 397721

Lab Sample ID: ICV 180-397721/31 Client Sample ID:

Date Analyzed: 05/05/22 17:34 Lab File ID: 05052231.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 3	6.90	Split Peak	eppinged	05/06/22 05:32

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Analysis Batch Number: 408450

Lab Sample ID: PEM 180-408450/1 Client Sample ID:

Date Analyzed: 08/12/22 11:17 Lab File ID: 08122206.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	7.63	Assign Peak	FM8W	08/12/22 11:31

Lab Sample ID: CCV 180-408450/3 Client Sample ID:

Date Analyzed: 08/12/22 11:49 Lab File ID: 08122208.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.22	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 2	7.75	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 3	7.94	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 4	8.02	Baseline Smoothing	FM8W	08/12/22 12:10

Lab Sample ID: CCV 180-408450/3 Client Sample ID:

Date Analyzed: 08/12/22 11:49 Lab File ID: 08122208.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	7.20	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 2	7.74	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 3	7.92	Baseline Smoothing	FM8W	08/12/22 12:10
Toxaphene Peak 4	8.43	Baseline Smoothing	FM8W	08/12/22 12:10

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 402156

Lab Sample ID: IC 180-402156/5 Client Sample ID:

Date Analyzed: 06/16/22 09:08 Lab File ID: 06160005.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1016 Peak 1	3.70	Instrument noise	oravecj	06/17/22 06:00

Lab Sample ID: IC 180-402156/5 Client Sample ID:

Date Analyzed: 06/16/22 09:08 Lab File ID: 06160005.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1016 Peak 1	4.38	Instrument noise	oravecj	06/17/22 06:01

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: CCVIS 180-408111/5 Client Sample ID:

Date Analyzed: 08/10/22 08:31 Lab File ID: 08100005.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 3	10.50	Instrument noise	Q9YL	08/10/22 08:48
PCB-1260 Peak 4	10.87	Instrument noise	Q9YL	08/10/22 08:48
PCB-1260 Peak 5	11.40	Instrument noise	Q9YL	08/10/22 08:48
PCB-205 (IS)	12.23	Instrument noise	Q9YL	08/10/22 08:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: MB 180-407891/1-A Client Sample ID:

Date Analyzed: 08/10/22 10:05 Lab File ID: 08100010.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1254		Unspecified		
PCB-1260		Unspecified		
PCB-1016 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57

EPA 8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: MB 180-407891/1-A Client Sample ID:

Date Analyzed: 08/10/22 10:05 Lab File ID: 08100010.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: MB 180-407891/1-A Client Sample ID:

Date Analyzed: 08/10/22 10:05 Lab File ID: 08100010.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1254		Unspecified		
PCB-1260		Unspecified		
PCB-1016 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1016 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 1		Invalid Compound ID	Q9YL	08/10/22 13:57

EPA 8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: MB 180-407891/1-A Client Sample ID:

Date Analyzed: 08/10/22 10:05 Lab File ID: 08100010.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 2		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 3		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 4		Invalid Compound ID	Q9YL	08/10/22 13:57
PCB-1260 Peak 5		Invalid Compound ID	Q9YL	08/10/22 13:57

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 Client Sample ID: TI-NA-FL-D-2207270900

Date Analyzed: 08/10/22 12:54 Lab File ID: 08100019.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1254		Unspecified		
PCB-1260 Peak 2	7.64	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 3	8.86	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 4	9.40	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 5	9.86	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02

EPA 8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 Client Sample ID: TI-NA-FL-D-2207270900

Date Analyzed: 08/10/22 12:54 Lab File ID: 08100019.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 Client Sample ID: TI-NA-FL-D-2207270900

Date Analyzed: 08/10/22 12:54 Lab File ID: 08100019.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016		Unspecified		
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1254		Unspecified		
PCB-1260		Unspecified		
PCB-1260 Peak 1	8.90	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 2	9.27	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1016 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02

EPA 8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 Client Sample ID: TI-NA-FL-D-2207270900

Date Analyzed: 08/10/22 12:54 Lab File ID: 08100019.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 3	10.49	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 4	10.87	Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1260 Peak 5	11.40	Invalid Compound ID	Q9YL	08/10/22 14:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 MS Client Sample ID: TI-NA-FL-D-2207270900 MS

Date Analyzed: 08/10/22 13:12 Lab File ID: 08100020.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1248		Unspecified		
PCB-1254		Unspecified		
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 MS Client Sample ID: TI-NA-FL-D-2207270900 MS

Date Analyzed: 08/10/22 13:12 Lab File ID: 08100020.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1248		Unspecified		
PCB-1254		Unspecified		
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1248 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:02
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 MSD Client Sample ID: TI-NA-FL-D-2207270900 MSD

Date Analyzed: 08/10/22 13:31 Lab File ID: 08100021.D GC Column: RTX-CLP1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1248		Unspecified		
PCB-1254		Unspecified		
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Analysis Batch Number: 408111

Lab Sample ID: 180-142292-2 MSD Client Sample ID: TI-NA-FL-D-2207270900 MSD

Date Analyzed: 08/10/22 13:31 Lab File ID: 08100021.D GC Column: RTX-CLP2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221		Unspecified		
PCB-1232		Unspecified		
PCB-1242		Unspecified		
PCB-1248		Unspecified		
PCB-1254		Unspecified		
PCB-1221 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1221 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1221 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1232 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1242 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1248 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 1		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 2		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 3		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 4		Invalid Compound ID	Q9YL	08/10/22 14:03
PCB-1254 Peak 5		Invalid Compound ID	Q9YL	08/10/22 14:03

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Analysis Batch Number: 402627

Lab Sample ID: IC 180-402627/1 Client Sample ID:

Date Analyzed: 06/21/22 06:42 Lab File ID: 0621220000005.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dichlorophenylacetic acid (Surr)	7.97	Split Peak	oravecj	06/22/22 08:36
MCPA	8.70	Split Peak	oravecj	06/22/22 08:36

Lab Sample ID: IC 180-402627/7 Client Sample ID:

Date Analyzed: 06/21/22 08:40 Lab File ID: 0621220000011.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	2.35	Split Peak	oravecj	06/22/22 08:38

Lab Sample ID: ICV 180-402627/8 Client Sample ID:

Date Analyzed: 06/21/22 09:00 Lab File ID: 0621220000012.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	2.35	Split Peak	oravecj	06/22/22 08:43
Dicamba	8.23	Split Peak	oravecj	06/22/22 08:43
MCPP	8.40	Split Peak	oravecj	06/22/22 08:43
MCPA	8.70	Split Peak	oravecj	06/22/22 08:43
Dichlorprop	9.07	Split Peak	oravecj	06/22/22 08:43
2,4-D	9.46	Split Peak	oravecj	06/22/22 08:43
Pentachlorophenol	9.66	Split Peak	oravecj	06/22/22 08:43

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Analysis Batch Number: 408559

Lab Sample ID: CCV 180-408559/23 Client Sample ID:

Date Analyzed: 08/13/22 15:17 Lab File ID: 0813220000027.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dichlorophenylacetic acid (Surr)	7.92	Split Peak	Q9YL	08/15/22 06:24

Lab Sample ID: CCV 180-408559/34 Client Sample ID:

Date Analyzed: 08/13/22 18:52 Lab File ID: 0813220000038.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
MCPP	8.35	Split Peak	Q9YL	08/15/22 06:07

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
20 PPM NH3 P_00340	09/03/22	08/06/22	DI Water, Lot N/A	50 mL	WNH31000P_00031	1 mL	Ammonia, distilled	20 mg/L
.WNH31000P_00031	03/19/23		Lab Chem, Lot L078-13		(Purchased Reagent)		Ammonia, distilled	1000 mg/L
20 PPM NH3 S_00336	09/03/22	08/06/22	DI Water, Lot N/A	50 mL	WNH31000S_00022	1 mL	Ammonia, distilled	20 mg/L
.WNH31000S_00022	12/09/23		Lab Chem Inc., Lot L319-21		(Purchased Reagent)		Ammonia, distilled	1000 mg/L
GCAR1248CALL4_00029	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCBI1248STD_00011	0.05 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.GCPCBI1248STD_00011	01/30/25		RESTEK, Lot A0142661		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCAR1248CALL4_00029	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCBI1248STD_00011	0.05 mL	PCB-1248	0.5 ug/mL
.GCPCBI1248STD_00011	01/30/25		RESTEK, Lot A0142661		(Purchased Reagent)		PCB-1248	1000 ug/mL
GCAR1248ICV_00026	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GCPCBI1248STD_00010	0.05 mL	PCB-1248	0.5 ug/mL
.GCPCBI1248STD_00010	10/30/24		RESTEK, Lot A0140113		(Purchased Reagent)		PCB-1248	1000 ug/mL
GCAR1660CALL1_00036	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GC1660WORKS_00025	0.01 mL	PCB-1016 Peak 1	0.01 ug/mL
							PCB-1016 Peak 2	0.01 ug/mL
							PCB-1016 Peak 3	0.01 ug/mL
							PCB-1016 Peak 4	0.01 ug/mL
							PCB-1016 Peak 5	0.01 ug/mL
							PCB-1260 Peak 1	0.01 ug/mL
							PCB-1260 Peak 2	0.01 ug/mL
							PCB-1260 Peak 3	0.01 ug/mL
							PCB-1260 Peak 4	0.01 ug/mL
							PCB-1260 Peak 5	0.01 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.0005 ug/mL
							Tetrachloro-m-xylene (Surr)	0.0005 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL2_00025	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GC1660WORKS_00025	0.1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.005 ug/mL
							Tetrachloro-m-xylene (Surr)	0.005 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL3_00024	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GC1660WORKS_00025	0.25 mL	PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1016 Peak 5	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
							PCB-1260 Peak 4	0.25 ug/mL
							PCB-1260 Peak 5	0.25 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.0125 ug/mL
							Tetrachloro-m-xylene (Surr)	0.0125 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25	RESTEK, Lot A0150739			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24	RESTEK, Lot A0141110			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL4_00026	12/16/22	06/16/22	HEXANE, Lot 4742400	200 mL	GC1660WORKS_00025	1 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene (Surr)	0.025 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL4_00026	12/16/22	06/16/22	HEXANE, Lot 4742400	200 mL	GC1660WORKS_00025	1 mL	PCB-1016	0.5 ug/mL
							PCB-1260	0.5 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016	100 ug/mL
							PCB-1260	100 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
GCAR1660CALL5_00026	12/16/22	06/16/22	HEXANE, Lot 4742400	200 mL	GC1660WORKS_00025	2 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.05 ug/mL
							Tetrachloro-m-xylene (Surr)	0.05 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL6_00023	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GC1660WORKS_00025	2 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.1 ug/mL
							Tetrachloro-m-xylene (Surr)	0.1 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25		RESTEK, Lot A0150739		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24	RESTEK, Lot A0141110			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660CALL7_00024	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GC1660WORKS_00025	4 mL	PCB-1016 Peak 1	4 ug/mL
							PCB-1016 Peak 2	4 ug/mL
							PCB-1016 Peak 3	4 ug/mL
							PCB-1016 Peak 4	4 ug/mL
							PCB-1016 Peak 5	4 ug/mL
							PCB-1260 Peak 1	4 ug/mL
							PCB-1260 Peak 2	4 ug/mL
							PCB-1260 Peak 3	4 ug/mL
							PCB-1260 Peak 4	4 ug/mL
							PCB-1260 Peak 5	4 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.2 ug/mL
							Tetrachloro-m-xylene (Surr)	0.2 ug/mL
.GC1660WORKS_00025	06/15/23	06/15/22	Hexane, Lot 4742400	40 mL	GCPCBI1660STD_00019	4 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00010	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPCBI1660STD_00019	10/31/25	RESTEK, Lot A0150739			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00010	11/30/24	RESTEK, Lot A0141110			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
GCAR1660ICV_00021	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCBI1660STD_00018	0.05 mL	PCB-1016	0.5 ug/mL
							PCB-1260	0.5 ug/mL
.GCPCBI1660STD_00018	02/28/25	RESTEK, Lot A0143130			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
GCAR2154CALL4_00028	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCB2154 mix_00007	0.05 mL	PCB-1221 Peak 1	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.GCPCB2154 mix_00007	01/31/24		RESTEK, Lot A0131802		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
GCAR2154ICV_00027	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GCPCB2154 mix_00008	0.05 mL	PCB-1221	0.5 ug/mL
							PCB-1254	0.5 ug/mL
.GCPCB2154 mix_00008	01/30/24		RESTEK, Lot A0131779		(Purchased Reagent)		PCB-1221	1000 ug/mL
							PCB-1254	1000 ug/mL
GCAR3262CALL4_00022	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCB3262 mix_00005	0.05 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.GCPCB3262 mix_00005	01/31/24		RESTEK, Lot A0132023		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
							PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
GCAR3262ICV_00018	12/16/22	06/16/22	HEAXANE, Lot 4742400	100 mL	GCPCB3262 mix_00006	0.05 mL	PCB-1232	0.5 ug/mL
.GCPCB3262 mix_00006	04/30/24		RESTEK, Lot A0134307		(Purchased Reagent)		PCB-1232	1000 ug/mL
GCAR4268CALL4_00021	12/16/22	06/16/22	Hexane, Lot 4742400	100 mL	GCPCB4268 mix_00005	0.05 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
.GCPCB4268 mix_00005	03/31/24		RESTEK, Lot A0133093		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
							PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
GCAR4268ICV_00018	12/16/22	06/16/22	HEXANE, Lot 4742400	100 mL	GCPCB4268 mix_00006	0.05 mL	PCB-1242	0.5 ug/mL
.GCPCB4268 mix_00006	10/30/24		RESTEK, Lot A0139730		(Purchased Reagent)		PCB-1242	1000 ug/mL
GCCHLORICV_00017	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	TECHCHLORDANE_00005	0.002 mL	Chlordane (technical)	0.25 ug/mL
.TECHCHLORDANE_00005	05/31/22		RESTEK, Lot A0137977		(Purchased Reagent)		Chlordane (technical)	5000 ug/mL
GCCHLORLEVEL1_00018	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	0.004 mL	Chlordane (technical) Peak 1	0.005 ug/mL
							Chlordane (technical) Peak 2	0.005 ug/mL
							Chlordane (technical) Peak 3	0.005 ug/mL
							Chlordane (technical) Peak 4	0.005 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical) Peak 1	50 ug/mL
							Chlordane (technical) Peak 2	50 ug/mL
							Chlordane (technical) Peak 3	50 ug/mL
							Chlordane (technical) Peak 4	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical) Peak 1	5000 ug/mL
							Chlordane (technical) Peak 2	5000 ug/mL
							Chlordane (technical) Peak 3	5000 ug/mL
							Chlordane (technical) Peak 4	5000 ug/mL
GCCHLORLEVEL2_00015	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	0.02 mL	Chlordane (technical) Peak 1	0.025 ug/mL
							Chlordane (technical) Peak 2	0.025 ug/mL
							Chlordane (technical) Peak 3	0.025 ug/mL
							Chlordane (technical) Peak 4	0.025 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical) Peak 1	50 ug/mL
							Chlordane (technical) Peak 2	50 ug/mL
							Chlordane (technical) Peak 3	50 ug/mL
							Chlordane (technical) Peak 4	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical) Peak 1	5000 ug/mL
							Chlordane (technical) Peak 2	5000 ug/mL
							Chlordane (technical) Peak 3	5000 ug/mL
							Chlordane (technical) Peak 4	5000 ug/mL
GCCHLORLEVEL3_00030	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	0.2 mL	Chlordane (technical) Peak 1	0.25 ug/mL
							Chlordane (technical) Peak 2	0.25 ug/mL
							Chlordane (technical) Peak 3	0.25 ug/mL
							Chlordane (technical) Peak 4	0.25 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical) Peak 1	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlordane (technical) Peak 2	50 ug/mL
							Chlordane (technical) Peak 3	50 ug/mL
							Chlordane (technical) Peak 4	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical) Peak 1	5000 ug/mL
							Chlordane (technical) Peak 2	5000 ug/mL
							Chlordane (technical) Peak 3	5000 ug/mL
							Chlordane (technical) Peak 4	5000 ug/mL
GCCHLORLEVEL3_00033	12/22/22	08/01/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	0.2 mL	Chlordane (technical)	0.25 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical)	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical)	5000 ug/mL
GCCHLORLEVEL4_00017	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	1 mL	Chlordane (technical) Peak 1	1.25 ug/mL
							Chlordane (technical) Peak 2	1.25 ug/mL
							Chlordane (technical) Peak 3	1.25 ug/mL
							Chlordane (technical) Peak 4	1.25 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical) Peak 1	50 ug/mL
							Chlordane (technical) Peak 2	50 ug/mL
							Chlordane (technical) Peak 3	50 ug/mL
							Chlordane (technical) Peak 4	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical) Peak 1	5000 ug/mL
							Chlordane (technical) Peak 2	5000 ug/mL
							Chlordane (technical) Peak 3	5000 ug/mL
							Chlordane (technical) Peak 4	5000 ug/mL
GCCHLORLEVEL5_00017	05/31/22	01/05/22	Hexane, Lot 4595066	40 mL	GCCHLORINTSTD_00008	2 mL	Chlordane (technical) Peak 1	2.5 ug/mL
							Chlordane (technical) Peak 2	2.5 ug/mL
							Chlordane (technical) Peak 3	2.5 ug/mL
							Chlordane (technical) Peak 4	2.5 ug/mL
.GCCHLORINTSTD_00008	05/31/22	06/03/21	Hexane, Lot 4180122	40 mL	TECHCHLORDANE_00004	400 uL	Chlordane (technical) Peak 1	50 ug/mL
							Chlordane (technical) Peak 2	50 ug/mL
							Chlordane (technical) Peak 3	50 ug/mL
							Chlordane (technical) Peak 4	50 ug/mL
..TECHCHLORDANE_00004	05/31/22		RESTEK, Lot A0137638		(Purchased Reagent)		Chlordane (technical) Peak 1	5000 ug/mL
							Chlordane (technical) Peak 2	5000 ug/mL
							Chlordane (technical) Peak 3	5000 ug/mL
							Chlordane (technical) Peak 4	5000 ug/mL
GCHERBCALSL1_00032	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICALSTK_00026	0.125 mL	2,4-Dichlorophenylacetic acid (Surr)	0.004 ug/mL
							2,4,5-T	0.005 ug/mL
							2,4-D	0.02 ug/mL
							2,4-DB	0.02 ug/mL
							Dalapon	0.02 ug/mL
							Dicamba	0.01 ug/mL
							Dichlorprop	0.02 ug/mL
							Dinoseb	0.02 ug/mL
							MCPA	2 ug/mL
							MCPP	2 ug/mL
							Pentachlorophenol	0.005 ug/mL
							Silvex (2,4,5-TP)	0.005 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24	RESTEK, Lot A0150937			(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24	restek, Lot A0170029			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL2_00028	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICALSTK_00026	0.25 mL	2,4-Dichlorophenylacetic acid (Surr)	0.008 ug/mL
							2,4,5-T	0.01 ug/mL
							2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							Dalapon	0.04 ug/mL
							Dicamba	0.02 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.04 ug/mL
							MCPA	4 ug/mL
							MCPP	4 ug/mL
							Pentachlorophenol	0.01 ug/mL
							Silvex (2,4,5-TP)	0.01 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24		RESTEK, Lot A0150937		(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24		restek, Lot A0170029		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL3_00041	12/13/22	06/13/22	Hexane, Lot 4742400	100 mL	GCHERBICALSTK_00026	1.25 mL	2,4-Dichlorophenylacetic acid (Surr)	0.016 ug/mL
							2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							Dalapon	0.08 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.08 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Pentachlorophenol	0.02 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24		RESTEK, Lot A0150937		(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24		restek, Lot A0170029		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL4_00033	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICALSTK_00026	1 mL	2,4-Dichlorophenylacetic acid (Surr)	0.032 ug/mL
							2,4,5-T	0.04 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							Dalapon	0.16 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.16 ug/mL
							MCPA	16 ug/mL
							MCPP	16 ug/mL
							Pentachlorophenol	0.04 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24	RESTEK, Lot A0150937			(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24	restek, Lot A0170029			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GCHERBCALSL5_00028	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICALSTK_00026	2 mL	2,4-Dichlorophenylacetic acid (Surr)	0.064 ug/mL
							2,4,5-T	0.08 ug/mL
							2,4-D	0.32 ug/mL
							2,4-DB	0.32 ug/mL
							Dalapon	0.32 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.32 ug/mL
							Dinoseb	0.32 ug/mL
							MCPA	32 ug/mL
							MCPP	32 ug/mL
							Pentachlorophenol	0.08 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24	RESTEK, Lot A0150937			(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24	restek, Lot A0170029			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL6_00016	12/13/22	06/13/22	Hexane, Lot 4742400	20 mL	GCHERBICALSTK_00026	2 mL	2,4-Dichlorophenylacetic acid (Surr)	0.128 ug/mL
							2,4,5-T	0.16 ug/mL
							2,4-D	0.64 ug/mL
							2,4-DB	0.64 ug/mL
							Dalapon	0.64 ug/mL
							Dicamba	0.32 ug/mL
							Dichlorprop	0.64 ug/mL
							Dinoseb	0.64 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							MCPA	64 ug/mL
							MCPP	64 ug/mL
							Pentachlorophenol	0.16 ug/mL
							Silvex (2,4,5-TP)	0.16 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24	RESTEK, Lot A0150937			(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24	restek, Lot A0170029			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL7_00022	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICALSTK_00026	0.0625 mL	2,4-Dichlorophenylacetic acid (Surr)	0.002 ug/mL
							2,4,5-T	0.0025 ug/mL
							2,4-D	0.01 ug/mL
							2,4-DB	0.01 ug/mL
							Dalapon	0.01 ug/mL
							Dicamba	0.005 ug/mL
							Dichlorprop	0.01 ug/mL
							Dinoseb	0.01 ug/mL
							MCPA	1 ug/mL
							MCPP	1 ug/mL
							Pentachlorophenol	0.0025 ug/mL
							Silvex (2,4,5-TP)	0.0025 ug/mL
.GCHERBICALSTK_00026	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	GCDCAASSTD_00010	0.064 mL	2,4-Dichlorophenylacetic acid (Surr)	1.28 ug/mL
					GCHERBICALMIX_00020	0.32 mL	2,4,5-T	1.6 ug/mL
							2,4-D	6.4 ug/mL
							2,4-DB	6.4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dalapon	6.4 ug/mL
							Dicamba	3.2 ug/mL
							Dichlorprop	6.4 ug/mL
							Dinoseb	6.4 ug/mL
							MCPA	640 ug/mL
							MCPP	640 ug/mL
							Pentachlorophenol	1.6 ug/mL
							Silvex (2,4,5-TP)	1.6 ug/mL
..GCDCAASSTD_00010	04/30/24		RESTEK, Lot A0150937		(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	200 ug/mL
..GCHERBICALMIX_00020	03/31/24		restek, Lot A0170029		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	200 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	50 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBICVSTD_00025	12/13/22	06/13/22	Hexane, Lot 4742400	40 mL	GCHERBICVINT_00011	2 mL	2,4-D	0.2 ug/mL
							Silvex (2,4,5-TP)	0.05 ug/mL
.GCHERBICVINT_00011	06/13/23	06/13/22	Hexane, Lot 4742400	10 mL	Herbmix1.sec_00006	0.2 mL	2,4-D	4 ug/mL
							Silvex (2,4,5-TP)	1 ug/mL
..Herbmix1.sec_00006	05/31/24		restek, Lot A0172758		(Purchased Reagent)		2,4-D	200 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCMATRIXWORKS_00045	12/01/22	06/01/22	ACETONE, Lot 3747124	200 mL	AR1016(10000)_00005	0.8 mL	PCB-1016	40 ug/mL
					AR1260(10000)_00003	0.8 mL	PCB-1260	40 ug/mL
.AR1016(10000)_00005	07/31/26		restek, Lot A0174171		(Purchased Reagent)		PCB-1016	10000 ug/mL
.AR1260(10000)_00003	08/31/26		Restek, Lot A0175178		(Purchased Reagent)		PCB-1260	10000 ug/mL
GCPest L1_00040	08/06/22	03/23/22	Hexane, Lot 4621290	40 mL	GCCLPSURRSTK_00013	0.008 mL	DCB Decachlorobiphenyl (Surr)	0.001 ug/mL
							Tetrachloro-m-xylene (Surr)	0.001 ug/mL
					GCPestCAL_00017	0.004 mL	4,4'-DDD	0.001 ug/mL
							4,4'-DDE	0.001 ug/mL
							4,4'-DDT	0.001 ug/mL
							Aldrin	0.001 ug/mL
							alpha-BHC	0.001 ug/mL
							beta-BHC	0.001 ug/mL
							cis-Chlordane	0.001 ug/mL
							delta-BHC	0.001 ug/mL
							Dieldrin	0.001 ug/mL
							Endosulfan I	0.001 ug/mL
							Endosulfan II	0.001 ug/mL
							Endosulfan sulfate	0.001 ug/mL
							Endrin	0.001 ug/mL
							Endrin aldehyde	0.001 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	0.001 ug/mL
							gamma-BHC (Lindane)	0.001 ug/mL
							Heptachlor	0.001 ug/mL
							Heptachlor epoxide	0.001 ug/mL
							Methoxychlor	0.001 ug/mL
							trans-Chlordane	0.001 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPESTICVSTD_00027	07/05/22	01/05/22	Hexane, Lot 4595066	40 mL	GC2PESTAB3STD_00004	0.001 mL	Endrin	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
.GC2PESTAB3STD_00004	06/30/23		RESTEK, Lot A0146108		(Purchased Reagent)		Endrin	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
GCPESTISSPK2_00027	07/31/22	01/03/22	Hexane, Lot 4595066	100 mL	DBC Internal_00004	0.5 mL	Dibutylchlorendate ISTD	1 ug/mL
					GCpest/pcbINT_00006	0.1 mL	1-Bromo-2-nitrobenzene	1 ug/mL
.DBC Internal_00004	11/30/22		RESTEK, Lot A0152900		(Purchased Reagent)		Dibutylchlorendate ISTD	200 ug/mL
.GCpest/pcbINT_00006	04/30/23		restek, Lot A0157061		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
GCPESTISSPK2_00028	01/25/23	07/25/22	Hexane, Lot 4595066	100 mL	DBC Internal_00004	0.5 mL	Dibutylchlorendate ISTD	1 ug/mL
					GCpest/pcbINT_00006	0.1 mL	1-Bromo-2-nitrobenzene	1 ug/mL
.DBC Internal_00004	11/30/22		RESTEK, Lot A0152900		(Purchased Reagent)		Dibutylchlorendate ISTD	200 ug/mL
.GCpest/pcbINT_00006	04/30/23		restek, Lot A0157061		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
GCPestL2_00028	08/06/22	03/23/22	Hexane, Lot 4621290	40 mL	GCCLPSURRSTK_00013	0.04 mL	DCB Decachlorobiphenyl (Surr)	0.005 ug/mL
							Tetrachloro-m-xylene (Surr)	0.005 ug/mL
					GCPestCAL_00017	0.02 mL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							cis-Chlordane	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							trans-Chlordane	0.005 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPestL3_00044	08/06/22	03/23/22	Hexane, Lot 4621290	100 mL	GCCLPSURRSTK_00013	0.5 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene (Surr)	0.025 ug/mL
					GCPestCAL_00017	0.25 mL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	0.025 ug/mL
							cis-Chlordane	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							trans-Chlordane	0.025 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPestL3_00047	12/06/22	08/08/22	Hexane, Lot 4621290	100 mL	GCCLPSURRSTK_00013	0.5 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene (Surr)	0.025 ug/mL
					GCPestCAL_00017	0.25 mL	Endrin	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	Endrin	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		Endrin	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
GCPestL4_00029	08/06/22	03/23/22	Hexane, Lot 4621290	40 mL	GCCLPSURRSTK_00013	0.4 mL	DCB Decachlorobiphenyl (Surr)	0.05 ug/mL
							Tetrachloro-m-xylene (Surr)	0.05 ug/mL
					GCPestCAL_00017	0.2 mL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							cis-Chlordane	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							trans-Chlordane	0.05 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPestL5_00027	08/06/22	03/23/22	Hexane, Lot 4621290	40 mL	GCCLPSURRSTK_00013	0.8 mL	DCB Decachlorobiphenyl (Surr)	0.1 ug/mL
							Tetrachloro-m-xylene (Surr)	0.1 ug/mL
					GCPestCAL_00017	0.4 mL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							cis-Chlordane	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							trans-Chlordane	0.1 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPestL6_00027	08/06/22	03/23/22	Hexane, Lot 4621290	40 mL	GCCLPSURRSTK_00013	1.6 mL	DCB Decachlorobiphenyl (Surr)	0.2 ug/mL
							Tetrachloro-m-xylene (Surr)	0.2 ug/mL
					GCPestCAL_00017	0.8 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							cis-Chlordane	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							trans-Chlordane	0.2 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL
..GCPEST(SURR)S_00010	11/30/24		RESTEK, Lot A0141110		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPestCAL_00017	09/30/22	03/23/22	Hexane, Lot 4621290	20 mL	GCPESTAB3STD_00004	0.1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							beta-BHC	10 ug/mL
							cis-Chlordane	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
							trans-Chlordane	10 ug/mL
..GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
GCPESTPEMSTD_00052	12/30/22	06/30/22	Hexane, Lot 4595066	100 mL	GCCLPSURRSTK_00013	0.5 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene (Surr)	0.025 ug/mL
					GCPEST(PEM2)_00002	0.5 mL	4,4'-DDT	0.05 ug/mL
							Endrin	0.025 ug/mL
.GCCLPSURRSTK_00013	08/06/22	08/06/21	Hexane, Lot 4368221	20 mL	GCPEST(SURR)S_00010	0.5 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene (Surr)	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..GCPEST(SURR)S_00010	11/30/24	RESTEK, Lot A0141110			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene (Surr)	200 ug/mL
.GCPEST(PEM2)_00002	06/30/22	RESTEK, Lot A0150215			(Purchased Reagent)		4,4'-DDT	10 ug/mL
							Endrin	5 ug/mL
GCTBASOLUTION_00071	03/24/23	03/24/22	DI Water, Lot n/a	2 L	GCNa2SO3_00015	500 g	Sodium Sulfite	1982.5 ug/mL
					GCTBA98.0_00008	67.8 g	Tetrabutylammonium Hydrogen Sulfate	33222 ug/mL
.GCNa2SO3_00015	08/01/25	Fisher, Lot 203490			(Purchased Reagent)		Sodium Sulfite	0.00793 mol/g
.GCTBA98.0_00008	02/04/25	Arcos Organics, Lot A0397220			(Purchased Reagent)		Tetrabutylammonium Hydrogen Sulfate	98 %
GCTOXICV_00015	05/31/22	04/26/22	Hexane, Lot 4621290	40 mL	GCTOX2NDSOURC_00002	0.008 mL	Toxaphene	1 ug/mL
.GCTOX2NDSOURC_00002	05/31/22	RESTEK, Lot A0134898			(Purchased Reagent)		Toxaphene	5000 ug/mL
GCTOXLEVEL1_00018	06/02/22	01/05/22	Hexane, Lot 4595066	40 mL	GCTOXINTERSTD_00009	0.016 mL	Toxaphene Peak 1	0.02 ug/mL
							Toxaphene Peak 2	0.02 ug/mL
							Toxaphene Peak 3	0.02 ug/mL
							Toxaphene Peak 4	0.02 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene Peak 1	50 ug/mL
							Toxaphene Peak 2	50 ug/mL
							Toxaphene Peak 3	50 ug/mL
							Toxaphene Peak 4	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24	RESTEK, Lot A0155399			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
GCTOXLEVEL2_00015	06/02/22	01/05/22	Hexane, Lot 4595066	40 mL	GCTOXINTERSTD_00009	0.16 mL	Toxaphene Peak 1	0.2 ug/mL
							Toxaphene Peak 2	0.2 ug/mL
							Toxaphene Peak 3	0.2 ug/mL
							Toxaphene Peak 4	0.2 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene Peak 1	50 ug/mL
							Toxaphene Peak 2	50 ug/mL
							Toxaphene Peak 3	50 ug/mL
							Toxaphene Peak 4	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24	RESTEK, Lot A0155399			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
GCTOXLEVEL3_00032	06/02/22	01/05/22	Hexane, Lot 4595066	40 mL	GCTOXINTERSTD_00009	0.8 mL	Toxaphene Peak 1	1 ug/mL
							Toxaphene Peak 2	1 ug/mL
							Toxaphene Peak 3	1 ug/mL
							Toxaphene Peak 4	1 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene Peak 1	50 ug/mL
							Toxaphene Peak 2	50 ug/mL
							Toxaphene Peak 3	50 ug/mL
							Toxaphene Peak 4	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24	RESTEK, Lot A0155399			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
GCTOXLEVEL3_00035	12/30/22	08/01/22	Hexane, Lot 4595066	40 mL	GCTOXINTERSTD_00009	0.8 mL	Toxaphene	1 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24		RESTEK, Lot A0155399		(Purchased Reagent)		Toxaphene	5000 ug/mL
GCTOXLEVEL4_00016	06/02/22	01/05/22	Hexane, Lot 4595066	20 mL	GCTOXINTERSTD_00009	1 mL	Toxaphene Peak 1	2.5 ug/mL
							Toxaphene Peak 2	2.5 ug/mL
							Toxaphene Peak 3	2.5 ug/mL
							Toxaphene Peak 4	2.5 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene Peak 1	50 ug/mL
							Toxaphene Peak 2	50 ug/mL
							Toxaphene Peak 3	50 ug/mL
							Toxaphene Peak 4	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24		RESTEK, Lot A0155399		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
GCTOXLEVEL5_00020	06/02/22	01/05/22	Hexane, Lot 4595066	20 mL	GCTOXINTERSTD_00009	2 mL	Toxaphene Peak 1	5 ug/mL
							Toxaphene Peak 2	5 ug/mL
							Toxaphene Peak 3	5 ug/mL
							Toxaphene Peak 4	5 ug/mL
.GCTOXINTERSTD_00009	06/02/22	06/02/21	Hexane, Lot 4180122	25 mL	GCTOXSTDSTD_00003	0.25 mL	Toxaphene Peak 1	50 ug/mL
							Toxaphene Peak 2	50 ug/mL
							Toxaphene Peak 3	50 ug/mL
							Toxaphene Peak 4	50 ug/mL
..GCTOXSTDSTD_00003	02/29/24		RESTEK, Lot A0155399		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
Herb(RTS)spk_00014	04/30/23		restek, Lot A0171895		(Purchased Reagent)		2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							Dalapon	20 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	20 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
M6500CCV_00133	11/09/22	08/09/22	5%HNO3 - 5%HCL, Lot 221624 - 22C1662007	1000 mL	MTAPITTCALTRA_00014	10 mL	Arsenic	0.5 ppm
							Cadmium	0.5 ppm
							Lead	0.5 ppm
							Selenium	0.5 ppm
							Silver	1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTAPITTCALTRC_00014	10 mL	Barium	2 ppm
							Chromium	2 ppm
							Copper	2 ppm
							Nickel	2 ppm
							Zinc	2 ppm
					MTAPITTCALTRD_00015	10 mL	Molybdenum	2 ppm
.MTAPITTCALTRA_00014	05/05/23	Inorganic Ventures, Lot T2-MEB717703			(Purchased Reagent)		Arsenic	50 ppm
							Cadmium	50 ppm
							Lead	50 ppm
							Selenium	50 ppm
							Silver	100 ppm
.MTAPITTCALTRC_00014	05/05/23	Inorganic Ventures, Lot T2-MEB717705			(Purchased Reagent)		Barium	200 ppm
							Chromium	200 ppm
							Copper	200 ppm
							Nickel	200 ppm
							Zinc	200 ppm
.MTAPITTCALTRD_00015	05/05/23	Inorganic Ventures, Lot T2-MEB717706			(Purchased Reagent)		Molybdenum	200 ppm
M6500ICSAB_00023	11/05/22	08/05/22	5%HNO3 - 5%HCL, Lot 214624 - 22D1462006	1000 mL	M6500ICSA_00016	100 mL	Al	500 ppm
							Ca	500 ppm
							Fe	200 ppm
							Mg	500 ppm
					MLI1000_00004	1 mL	Li	1 ppm
					TA-ICP-ICSAB1_00002	10 mL	Molybdenum	1 ppm
							Sb	1 ppm
							Si	10 ppm
							Sn	1 ppm
							Ti	1 ppm
					TA-ICP-ICSAB2_00002	10 mL	Arsenic	1 ppm
							B	10 ppm
							Barium	1 ppm
							Be	0.5 ppm
							Cadmium	1 ppm
							Chromium	1 ppm
							Co	1 ppm
							Copper	1 ppm
							K	10 ppm
							Lead	1 ppm
							Mn	1 ppm
							Na	10 ppm
							Nickel	1 ppm
							Selenium	1 ppm
							Silver	1 ppm
							Sr	1 ppm
							Tl	1 ppm
							V	1 ppm
							Zinc	1 ppm
.M6500ICSA_00016	09/23/23	CPI International, Lot 1207637-1			(Purchased Reagent)		Al	5000 ppm

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ca	5000 ppm
							Fe	2000 ppm
							Mg	5000 ppm
.MLI1000_00004	06/30/23	CPI International, Lot 1094768-96			(Purchased Reagent)		Li	1000 ppm
.TA-ICP-ICSAB1_00002	01/22/23	CPI International, Lot 1115088-1			(Purchased Reagent)		Molybdenum	100 ppm
							Sb	100 ppm
							Si	1000 ppm
							Sn	100 ppm
							Ti	100 ppm
.TA-ICP-ICSAB2_00002	01/22/23	CPI International, Lot 1133580-1			(Purchased Reagent)		Arsenic	100 ppm
							B	1000 ppm
							Barium	100 ppm
							Be	50 ppm
							Cadmium	100 ppm
							Chromium	100 ppm
							Co	100 ppm
							Copper	100 ppm
							K	1000 ppm
							Lead	100 ppm
							Mn	100 ppm
							Na	1000 ppm
							Nickel	100 ppm
							Selenium	100 ppm
							Silver	100 ppm
							Sr	100 ppm
							Tl	100 ppm
							V	100 ppm
							Zinc	100 ppm
M6500ICV_00041	09/30/22	06/30/22	5%HNO3 - 5%HCL, Lot 214002 - 22D1462006	1000 mL	MTAPITTICPICV_00019	20 mL	Arsenic	0.25 ppm
							Barium	1 ppm
							Cadmium	0.25 ppm
							Chromium	1 ppm
							Copper	1 ppm
							Lead	0.25 ppm
							Molybdenum	1 ppm
							Nickel	1 ppm
							Selenium	0.25 ppm
							Silver	0.5 ppm
							Zinc	1 ppm
.MTAPITTICPICV_00019	05/30/23	SPEX, Lot 2-061AJ			(Purchased Reagent)		Arsenic	12.5 ppm
							Barium	50 ppm
							Cadmium	12.5 ppm
							Chromium	50 ppm
							Copper	50 ppm
							Lead	12.5 ppm
							Molybdenum	50 ppm
							Nickel	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	12.5 ppm
							Silver	25 ppm
							Zinc	50 ppm
M6500ICVLCCVL_00001	10/21/22	07/21/22	5%HNO3 - 5%HCL, Lot 221624 - 22C1662007	1000 mL	EUROPITT-CRA1_00002	10 mL	Arsenic	0.01 ppm
							Barium	0.2 ppm
							Cadmium	0.005 ppm
							Chromium	0.005 ppm
							Copper	0.025 ppm
							Lead	0.01 ppm
							Nickel	0.04 ppm
							Selenium	0.01 ppm
							Silver	0.005 ppm
							Zinc	0.02 ppm
					EUROPITT-CRA2_00002	10 mL	Molybdenum	0.04 ppm
.EUROPITT-CRA1_00002	04/20/23	CPI International, Lot 10114318-4			(Purchased Reagent)		Arsenic	1 ppm
							Barium	20 ppm
							Cadmium	0.5 ppm
							Chromium	0.5 ppm
							Copper	2.5 ppm
							Lead	1 ppm
							Nickel	4 ppm
							Selenium	1 ppm
							Silver	0.5 ppm
							Zinc	2 ppm
.EUROPITT-CRA2_00002	04/20/23	CPI International, Lot 10114318-3			(Purchased Reagent)		Molybdenum	4 ppm
MHgworkingCal_02930	08/11/22	08/10/22	2% Nitric Acid, Lot cont #:4579168	100 mL	MHgIntcal_01988	1 mL	Mercury	100 ppb
.MHgIntcal_01988	08/11/22	08/10/22	2% Nitric Acid, Lot cont #: 4839858	100 mL	MCGHG1-1_00016	1 mL	Mercury	10 ppm
..MCGHG1-1_00016	11/24/22	CPI, Lot 1084154-49			(Purchased Reagent)		Mercury	1000 ppm
MHgworkingCal_02931	08/12/22	08/11/22	2% Nitric Acid, Lot cont #:4579168	100 mL	MHgIntcal_01989	1 mL	Mercury	100 ppb
.MHgIntcal_01989	08/12/22	08/11/22	2% Nitric Acid, Lot cont #: 4839858	100 mL	MCGHG1-1_00016	1 mL	Mercury	10 ppm
..MCGHG1-1_00016	11/24/22	CPI, Lot 1084154-49			(Purchased Reagent)		Mercury	1000 ppm
MHgworkingCal_02939	08/24/22	08/23/22	2% Nitric Acid, Lot cont #:4579168	100 mL	MHgIntcal_01997	1 mL	Mercury	100 ppb
.MHgIntcal_01997	08/24/22	08/23/22	2% Nitric Acid, Lot cont #: 4839858	100 mL	MCGHG1-1_00016	1 mL	Mercury	10 ppm
..MCGHG1-1_00016	11/24/22	CPI, Lot 1084154-49			(Purchased Reagent)		Mercury	1000 ppm
MHgWorkingicv_02846	08/10/22	08/10/22	2% Nitric Acid, Lot cont#: 4579168	100 mL	MHgIntICV_01916	1 mL	Mercury	100 ppb
.MHgIntICV_01916	08/11/22	08/10/22	2% Nitric Acid, Lot cont #: 4579168	100 mL	MHGICV-1_00012	1 mL	Mercury	10 ppm
..MHGICV-1_00012	01/31/23	Env. Express, Lot 2107432-100EE			(Purchased Reagent)		Mercury	1000 ppm

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MHgWorkingicv_02853	08/24/22	08/23/22	2% Nitric Acid, Lot cont#: 4579168	100 mL	MHgIntICV_01923	1 mL	Mercury	100 ppb
.MHgIntICV_01923	08/24/22	08/23/22	2% Nitric Acid, Lot cont #: 4579168	100 mL	MHGICV-1_00012	1 mL	Mercury	10 ppm
..MHGICV-1_00012	01/31/23	Env. Express, Lot 2107432-100EE			(Purchased Reagent)		Mercury	1000 ppm
MICSAICP_00115	10/14/22	07/14/22	5%HNO3 - 5%HCL, Lot 214002 -22D1462006	1000 mL	M6500ICSA_00017	100 mL	Al	500 ppm
							Ca	500 ppm
							Fe	200 ppm
							Mg	500 ppm
.M6500ICSA_00017	08/08/23	CPI International, Lot 1148900-1			(Purchased Reagent)		Al	5000 ppm
							Ca	5000 ppm
							Fe	2000 ppm
							Mg	5000 ppm
op-p/pcb sur_00030	08/11/22	02/02/22	ACETONE, Lot 3747124	2000 mL	GCDCBStock_00010	1.6 mL	DCB Decachlorobiphenyl (Surr)	0.8 ug/mL
					GCTCMXSTD_00012	0.8 mL	Tetrachloro-m-xylene (Surr)	0.8 ug/mL
.GCDCBStock_00010	05/31/25	AGILENT, Lot 0006599545			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	1000 ug/mL
.GCTCMXSTD_00012	07/31/25	Agilent, Lot 0006612638			(Purchased Reagent)		Tetrachloro-m-xylene (Surr)	2000 ug/mL
op-p/pcb sur_00031	02/11/23	08/11/22	ACETONE, Lot 4809904	2000 mL	GCDCBStock_00010	1.6 mL	DCB Decachlorobiphenyl (Surr)	0.8 ug/mL
					GCTCMXSTD_00012	0.8 mL	Tetrachloro-m-xylene (Surr)	0.8 ug/mL
.GCDCBStock_00010	05/31/25	AGILENT, Lot 0006599545			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	1000 ug/mL
.GCTCMXSTD_00012	07/31/25	Agilent, Lot 0006612638			(Purchased Reagent)		Tetrachloro-m-xylene (Surr)	2000 ug/mL
OP8270TCLPSPi_00050	12/25/22	06/25/22	Methanol, Lot 0000288059	100 mL	svTCLPacids_00013	5 mL	2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							Cresols, Total	300 ug/mL
							m & p-Cresol	200 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Total Cresols	300 ug/mL
					svTCLPbns_00011	5 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pyridine	100 ug/mL
.svTCLPacids_00013	11/30/23	Restek, Lot A0165463			(Purchased Reagent)		2,4,5-Trichlorophenol	2000 ug/mL
							2,4,6-Trichlorophenol	2000 ug/mL
							3 & 4 Methylphenol	4000 ug/mL
							3-Methylphenol	4000 ug/mL
							Cresols, Total	6000 ug/mL
							m & p-Cresol	4000 ug/mL
							o-Cresol	2000 ug/mL
							Pentachlorophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Total Cresols	6000 ug/mL
.svTCLPbns_00011	12/31/23		Restek, Lot A0158475		(Purchased Reagent)		1,4-Dichlorobenzene	2000 ug/mL
							2,4-Dinitrotoluene	2000 ug/mL
							Hexachlorobenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexachloroethane	2000 ug/mL
							Nitrobenzene	2000 ug/mL
							Pyridine	2000 ug/mL
OPHERBRTSSURR_00014	06/30/23		RESTEK, Lot A0173155		(Purchased Reagent)		2,4-Dichlorophenylacetic acid (Surr)	10 ug/mL
OPPESTMATRIX_00054	09/30/22	07/11/22	ACETONE, Lot 3747111	100 mL	GCPESTAB3STD_00004	0.05 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							cis-Chlordane	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
							trans-Chlordane	1 ug/mL
.GCPESTAB3STD_00004	09/30/22		RESTEK, Lot A0137734		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
OPQL8270SURi_00130	02/28/23	07/30/22	Methanol, Lot 0000288059	500 mL	SVLVSURSPK_00021	20 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
.SVLVSURSPK_00021	12/31/26		Restek, Lot A0180013		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
PCBINT_00021	09/10/22	03/11/22	Hexane, Lot 3878999	100 mL	BZ205stock_00002	1 mL	PCB-205 (IS)	10 ug/mL
					GCpest/pcbINT_00006	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
.BZ205stock_00002	11/29/26	11/29/21	ACETONE, Lot 3747124	50 mL	PCB205int_00003	50 mg	PCB-205 (IS)	1000 ug/mL
..PCB205int_00003	08/08/29		accustandard, Lot 30662		(Purchased Reagent)		PCB-205 (IS)	100 Percent
.GCpest/pcbINT_00006	04/30/23		restek, Lot A0157061		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SVDFTPP50i_00046							Aramite, Total	
							Cresols, Total	
							Diallate	
							Tentatively Identified Compound	
					SVTUNINGMIXs_00009	500 uL	4,4'-DDD	0 ug/mL
							4,4'-DDE	0 ug/mL
							4,4'-DDT	50 ug/mL
							Benzidine_T	50 ug/mL
							DFTPP	50 ug/mL
							Pentachlorophenol_T	50 ug/mL
.SVTUNINGMIXs_00009	11/30/24		Restek, Lot A0178508		(Purchased Reagent)		4,4'-DDD	0 ug/mL
							4,4'-DDE	0 ug/mL
							4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
SVTAPITINTRNi_00029	12/16/22	12/16/21	MeCl2, Lot 4498350	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
.SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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
SVTAPSTD0.38i_00018	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	4.75 uL	Benzo[e]pyrene	0.19 ug/mL
							Benzoic acid	0.19 ug/mL
							Indene	0.19 ug/mL
							2,3,5,6-Tetrachlorophenol	0.19 ug/mL
							2-Naphthylamine	0.19 ug/mL
							7,12-Dimethylbenz(a)anthracene	0.19 ug/mL
							1,1'-Biphenyl	0.19 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.19 ug/mL
							1,2,4-Trichlorobenzene	0.19 ug/mL
							1,2-Dichlorobenzene	0.19 ug/mL
							1,2-Diphenylhydrazine	0.19 ug/mL
							1,3-Dichlorobenzene	0.19 ug/mL
							1,3-Dinitrobenzene	0.19 ug/mL
							1,4-Dichlorobenzene	0.19 ug/mL
							1,4-Dioxane	0.19 ug/mL
							1-Methylnaphthalene	0.19 ug/mL
							2,2'-oxybis[1-chloropropane]	0.19 ug/mL
							2,3,4,6-Tetrachlorophenol	0.19 ug/mL
							2,4,5-Trichlorophenol	0.19 ug/mL
							2,4,6-Trichlorophenol	0.19 ug/mL
							2,4-Dichlorophenol	0.19 ug/mL
							2,4-Dimethylphenol	0.19 ug/mL
							2,4-Dinitrophenol	0.38 ug/mL
							2,4-Dinitrotoluene	0.19 ug/mL
							2,6-Dichlorophenol	0.19 ug/mL
							2,6-Dinitrotoluene	0.19 ug/mL
							2-Chloronaphthalene	0.19 ug/mL
							2-Chlorophenol	0.19 ug/mL
							2-Methylnaphthalene	0.19 ug/mL
							2-Nitroaniline	0.19 ug/mL
							2-Nitrophenol	0.19 ug/mL
							3-Nitroaniline	0.19 ug/mL
							4,6-Dinitro-2-methylphenol	0.38 ug/mL
							4-Bromophenyl phenyl ether	0.19 ug/mL
							4-Chloro-3-methylphenol	0.19 ug/mL
							4-Chloroaniline	0.19 ug/mL
							4-Chlorophenyl phenyl ether	0.19 ug/mL
							4-Nitroaniline	0.19 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	0.38 ug/mL
							Acenaphthene	0.19 ug/mL
							Acenaphthylene	0.19 ug/mL
							Acetophenone	0.19 ug/mL
							Aniline	0.19 ug/mL
							Anthracene	0.19 ug/mL
							Azobenzene	0.19 ug/mL
							Benzo[a]anthracene	0.19 ug/mL
							Benzo[a]pyrene	0.19 ug/mL
							Benzo[b]fluoranthene	0.19 ug/mL
							Benzo[g,h,i]perylene	0.19 ug/mL
							Benzo[k]fluoranthene	0.19 ug/mL
							Benzyl alcohol	0.19 ug/mL
							Bis(2-chloroethoxy)methane	0.19 ug/mL
							Bis(2-chloroethyl)ether	0.19 ug/mL
							Bis(2-ethylhexyl) phthalate	0.19 ug/mL
							Butyl benzyl phthalate	0.19 ug/mL
							Carbazole	0.19 ug/mL
							Chrysene	0.19 ug/mL
							Di-n-butyl phthalate	0.19 ug/mL
							Di-n-octyl phthalate	0.19 ug/mL
							Dibenz(a,h)anthracene	0.19 ug/mL
							Dibenzofuran	0.19 ug/mL
							Diethyl phthalate	0.19 ug/mL
							Dimethyl phthalate	0.19 ug/mL
							Fluoranthene	0.19 ug/mL
							Fluorene	0.19 ug/mL
							Hexachlorobenzene	0.19 ug/mL
							Hexachlorobutadiene	0.19 ug/mL
							Hexachlorocyclopentadiene	0.19 ug/mL
							Hexachloroethane	0.19 ug/mL
							Hexadecane	0.19 ug/mL
							Indeno[1,2,3-cd]pyrene	0.19 ug/mL
							Isophorone	0.19 ug/mL
							m & p-Cresol	0.19 ug/mL
							n-Decane	0.19 ug/mL
							N-Nitrosodi-n-propylamine	0.19 ug/mL
							N-Nitrosodimethylamine	0.19 ug/mL
							N-Nitrosodiphenylamine	0.19 ug/mL
							n-Octadecane	0.19 ug/mL
							Naphthalene	0.19 ug/mL
							Nitrobenzene	0.19 ug/mL
							o-Cresol	0.19 ug/mL
							Pentachlorophenol	0.38 ug/mL
							Phenanthrene	0.19 ug/mL
							Phenol	0.19 ug/mL
							Pyrene	0.19 ug/mL
							Pyridine	0.38 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	0.19 ug/mL
							Benzaldehyde	0.19 ug/mL
							Caprolactam	0.19 ug/mL
							3,3'-Dichlorobenzidine	0.19 ug/mL
							Benzidine	0.19 ug/mL
							2,4,6-Tribromophenol (Surr)	0.19 ug/mL
							2-Fluorobiphenyl	0.19 ug/mL
							2-Fluorophenol (Surr)	0.19 ug/mL
							Nitrobenzene-d5 (Surr)	0.19 ug/mL
							Phenol-d5 (Surr)	0.19 ug/mL
							Terphenyl-d14 (Surr)	0.19 ug/mL
							Methyl methanesulfonate	0.19 ug/mL
							N-Nitrosopyrrolidine	0.19 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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-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-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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD10i_00476	08/10/22	08/03/22	MeCl2, Lot 4866532	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	125 uL	Benzo[e]pyrene	5 ug/mL
							Benzoic acid	5 ug/mL
							Indene	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2-Naphthylamine	5 ug/mL
							7,12-Dimethylbenz(a)anthracene	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							m & p-Cresol	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							o-Cresol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
							Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
							Methyl methanesulfonate	5 ug/mL
							N-Nitrosopyrrolidine	5 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-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-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD10i_00477	08/18/22	08/11/22	MeCl2, Lot 4866532	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(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
SVTAPSTD10i_00477	08/18/22	08/11/22	MeCl2, Lot 4866532	1 mL	SVTAPITSTCKi_00032	125 uL	1,4-Dichlorobenzene	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							Cresols, Total	10 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							m & p-Cresol	5 ug/mL
							Nitrobenzene	5 ug/mL
							o-Cresol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Pyridine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	5 ug/mL
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SVLIST1/STD1_00012	800 uL	1,4-Dichlorobenzene	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							Cresols, Total	80 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							m & p-Cresol	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Pyridine	80 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							Cresols, Total	2000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SVTAPSTD2.0i_00029	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	25 uL	Benzo[e]pyrene	1 ug/mL
							Benzoic acid	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2-Naphthylamine	1 ug/mL
							7,12-Dimethylbenz(a)anthracene	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Hexadecane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							m & p-Cresol	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							o-Cresol	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
							Methyl methanesulfonate	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	1 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25	Restek, Lot A0159166			(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	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-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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD20i_00024	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	250 uL	Benzo[e]pyrene	10 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2-Naphthylamine	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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 ug/mL
							Isophorone	10 ug/mL
							m & p-Cresol	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							o-Cresol	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25	Restek, Lot A0159166			(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SV2NAPAMINEs_00008	12/31/22	Ultra Scientific-agilent, Lot cs-5614			(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25	Absolute, Lot 071320			(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23	Restek, Lot A0179662			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-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-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
							Azobenzene	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 Pittsburgh Job No.: 180-142292-1

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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SVTAPSTD4.0i_00026	12/20/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	50 uL	Benzo[e]pyrene	2 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2-Naphthylamine	2 ug/mL
							7,12-Dimethylbenz(a)anthracene	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Hexadecane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							m & p-Cresol	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							o-Cresol	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	4 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
							Methyl methanesulfonate	2 ug/mL
							N-Nitrosopyrrolidine	2 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25	Restek, Lot A0159166			(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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-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-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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD40i_00024	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	500 uL	Benzo[e]pyrene	20 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2-Naphthylamine	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							m & p-Cresol	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							o-Cresol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD60i_00024	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	750 uL	Benzo[e]pyrene	30 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							2,3,5,6-Tetrachlorophenol	30 ug/mL
							2-Naphthylamine	30 ug/mL
							7,12-Dimethylbenz(a)anthracene	30 ug/mL
							1,1'-Biphenyl	30 ug/mL
							1,2,4,5-Tetrachlorobenzene	30 ug/mL
							1,2,4-Trichlorobenzene	30 ug/mL
							1,2-Dichlorobenzene	30 ug/mL
							1,2-Diphenylhydrazine	30 ug/mL
							1,3-Dichlorobenzene	30 ug/mL
							1,3-Dinitrobenzene	30 ug/mL
							1,4-Dichlorobenzene	30 ug/mL
							1,4-Dioxane	30 ug/mL
							1-Methylnaphthalene	30 ug/mL
							2,2'-oxybis[1-chloropropane]	30 ug/mL
							2,3,4,6-Tetrachlorophenol	30 ug/mL
							2,4,5-Trichlorophenol	30 ug/mL
							2,4,6-Trichlorophenol	30 ug/mL
							2,4-Dichlorophenol	30 ug/mL
							2,4-Dimethylphenol	30 ug/mL
							2,4-Dinitrophenol	60 ug/mL
							2,4-Dinitrotoluene	30 ug/mL
							2,6-Dichlorophenol	30 ug/mL
							2,6-Dinitrotoluene	30 ug/mL
							2-Chloronaphthalene	30 ug/mL
							2-Chlorophenol	30 ug/mL
							2-Methylnaphthalene	30 ug/mL
							2-Nitroaniline	30 ug/mL
							2-Nitrophenol	30 ug/mL
							3-Nitroaniline	30 ug/mL
							4,6-Dinitro-2-methylphenol	60 ug/mL
							4-Bromophenyl phenyl ether	30 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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	30 ug/mL
							4-Chloroaniline	30 ug/mL
							4-Chlorophenyl phenyl ether	30 ug/mL
							4-Nitroaniline	30 ug/mL
							4-Nitrophenol	60 ug/mL
							Acenaphthene	30 ug/mL
							Acenaphthylene	30 ug/mL
							Acetophenone	30 ug/mL
							Aniline	30 ug/mL
							Anthracene	30 ug/mL
							Azobenzene	30 ug/mL
							Benzo[a]anthracene	30 ug/mL
							Benzo[a]pyrene	30 ug/mL
							Benzo[b]fluoranthene	30 ug/mL
							Benzo[g,h,i]perylene	30 ug/mL
							Benzo[k]fluoranthene	30 ug/mL
							Benzyl alcohol	30 ug/mL
							Bis(2-chloroethoxy)methane	30 ug/mL
							Bis(2-chloroethyl)ether	30 ug/mL
							Bis(2-ethylhexyl) phthalate	30 ug/mL
							Butyl benzyl phthalate	30 ug/mL
							Carbazole	30 ug/mL
							Chrysene	30 ug/mL
							Di-n-butyl phthalate	30 ug/mL
							Di-n-octyl phthalate	30 ug/mL
							Dibenz(a,h)anthracene	30 ug/mL
							Dibenzofuran	30 ug/mL
							Diethyl phthalate	30 ug/mL
							Dimethyl phthalate	30 ug/mL
							Fluoranthene	30 ug/mL
							Fluorene	30 ug/mL
							Hexachlorobenzene	30 ug/mL
							Hexachlorobutadiene	30 ug/mL
							Hexachlorocyclopentadiene	30 ug/mL
							Hexachloroethane	30 ug/mL
							Hexadecane	30 ug/mL
							Indeno[1,2,3-cd]pyrene	30 ug/mL
							Isophorone	30 ug/mL
							m & p-Cresol	30 ug/mL
							n-Decane	30 ug/mL
							N-Nitrosodi-n-propylamine	30 ug/mL
							N-Nitrosodimethylamine	30 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							n-Octadecane	30 ug/mL
							Naphthalene	30 ug/mL
							Nitrobenzene	30 ug/mL
							o-Cresol	30 ug/mL
							Pentachlorophenol	60 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	30 ug/mL
							Phenol	30 ug/mL
							Pyrene	30 ug/mL
							Pyridine	60 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl	30 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	30 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	30 ug/mL
							Methyl methanesulfonate	30 ug/mL
							N-Nitrosopyrrolidine	30 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25	Restek, Lot A0159166			(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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-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-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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
SVTAPSTD80i_00024	12/30/22	05/30/22	MeCl2, Lot 4834995	1 mL	SVTAPITINTRNi_00030	10 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SVTAPITSTCKi_00032	1000 uL	Benzo[e]pyrene	40 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
							N-Nitrosopyrrolidine	40 ug/mL
.SVTAPITINTRNi_00030	05/09/23	05/09/22	MeCl2, Lot 4699815	25 mL	SVLVIntstd_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVLVIntstd_00012	03/31/25		Restek, Lot A0159166		(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
.SVTAPITSTCKi_00032	12/30/22	05/30/22	MeCl2, Lot 4834995	20 mL	SV LIST3/STD1_00009	400 uL	Benzo[e]pyrene	40 ug/mL
					SV LST1/STD10_00007	400 uL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					SV2356TCPs_00006	800 uL	2,3,5,6-Tetrachlorophenol	40 ug/mL
					SV2NAPAMINEs_00008	800 uL	2-Naphthylamine	40 ug/mL
					sv712dimbenza_00015	800 uL	7,12-Dimethylbenz(a)anthracene	40 ug/mL
					SVLIST1/STD1_00012	800 uL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							m & p-Cresol	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							o-Cresol	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
					SVLIST1/STD11_00010	400 uL	Atrazine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVLIST1/STD9_00010	400 uL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVLVSURSPK_00014	160 uL	2,4,6-Tribromophenol (Surr)	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol (Surr)	40 ug/mL
							Nitrobenzene-d5 (Surr)	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14 (Surr)	40 ug/mL
					svmethylmetha_00014	800 uL	Methyl methanesulfonate	40 ug/mL
					SVNNITROPYROs_00022	800 uL	N-Nitrosopyrrolidine	40 ug/mL
..SV LIST3/STD1_00009	05/31/23		Restek, Lot a0149278		(Purchased Reagent)		Benzo[e]pyrene	2000 ug/mL
..SV LST1/STD10_00007	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SV2356TCPs_00006	12/22/26		Absolute, Lot 122221		(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..SV2NAPAMINEs_00008	12/31/22		Ultra Scientific-agilent, Lot cs-5614		(Purchased Reagent)		2-Naphthylamine	1000 ug/mL
..sv712dimbenza_00015	07/13/25		Absolute, Lot 071320		(Purchased Reagent)		7,12-Dimethylbenz(a)anthracene	1000 ug/mL
..SVLIST1/STD1_00012	06/30/23		Restek, Lot A0179662		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-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
							Azobenzene	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
							Butyl benzyl phthalate	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
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	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
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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
							Pyridine	2000 ug/mL
..SVLIST1/STD11_00010	06/30/23		Restek, Lot A0179852		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVLIST1/STD9_00010	06/30/23		Restek, Lot A0179477		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVLVSURSPK_00014	09/30/25		Restek, Lot A0164104		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..svmethylmetha_00014	12/21/26		Absolute, Lot 122121		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..SVNNITROPYROs_00022	12/31/22		absolute, Lot 110618		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
TA-SPIKE1_00019	08/07/23		CPI, Lot 1192513-1		(Purchased Reagent)		Arsenic	200 mg/L
							Barium	200 mg/L
							Be	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Co	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Li	100 mg/L
							Mn	100 mg/L
							Molybdenum	100 mg/L
							Nickel	100 mg/L
							Selenium	200 mg/L
							Si	200 mg/L
							SiO2	428 mg/L
							Sn	200 mg/L
							Sr	100 mg/L
							Ti	100 mg/L
							Tl	200 mg/L
							V	100 mg/L
TA-SPIKE2_00016	08/08/23		CPI, Lot 1197884-2		(Purchased Reagent)		Al	1000 mg/L
							Ca	5000 mg/L
							Fe	1000 mg/L
							K	5000 mg/L
							Mg	5000 mg/L
							Na	5000 mg/L
TA-Spike3 INT_00013	10/22/23		CPI International, Lot 1246880		(Purchased Reagent)		B	250 mg/L
							Sb	50 mg/L
							Silver	50 mg/L
							Zinc	50 mg/L
VOA8260INT_00136	06/10/22	05/10/22	Methanol, Lot 4292562	10 mL	VOA8260INTRES_00198	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
							TBA-d9 (IS)	500 ug/mL
.VOA8260INTRES_00198	05/31/26		Restek, Lot A0172729		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
VOA8260INT_00139	08/20/22	07/20/22	Methanol, Lot 4890974	10 mL	VOA8260INTRES_00201	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
							TBA-d9 (IS)	500 ug/mL
.VOA8260INTRES_00201	05/31/26		Restek, Lot A0172729		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
VOA8260SURR_00134	05/22/22	04/22/22	Methanol, Lot 4292561	100 mL	VOA8260SURRES_00191	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VOA8260SURRES_00191	05/31/26		Restek, Lot A0172587		(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
VOA8260SURR_00137	08/05/22	07/05/22	Methanol, Lot 4890970	100 mL	VOA8260SURRES_00187	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VOA8260SURRES_00187	05/31/26		Restek, Lot A0172587		(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
VOA8260VOAPRI_00516	05/24/22	05/17/22	Methanol, Lot 4292561	10 mL	VOA8260GAS1ST_00377	0.1 mL	Bromomethane	25 ug/mL
							Butadiene	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Dichlorofluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VOA8260VOAPRI_00513	1 mL	2-Butanone (MEK)	25 ug/mL
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
							1,1,1,2-Tetrachloroethane	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,1-Dichloropropene	25 ug/mL
							1,2,3-Trichlorobenzene	25 ug/mL
							1,2,3-Trichloropropane	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2,4-Trimethylbenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3,5-Trimethylbenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dichloropropane	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	500 ug/mL
							2,2-Dichloropropane	25 ug/mL
							2-Chlorotoluene	25 ug/mL
							2-Methyl-2-propanol	250 ug/mL
							3-Chloro-1-propene	25 ug/mL
							4-Chlorotoluene	25 ug/mL
							4-Isopropyltoluene	25 ug/mL
							Acrylonitrile	250 ug/mL
							Benzene	25 ug/mL
							Bromobenzene	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chlorobromomethane	25 ug/mL
							Chlorodibromomethane	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Cyclohexane	25 ug/mL
							Dibromomethane	25 ug/mL
							Dichlorobromomethane	25 ug/mL
							Ethyl ether	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Ethylbenzene	25 ug/mL
							Ethylene Dibromide	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexane	25 ug/mL
							Iodomethane	25 ug/mL
							Isobutyl alcohol	625 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	25 ug/mL
							m-Xylene & p-Xylene	25 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Methylene Chloride	25 ug/mL
							n-Butylbenzene	25 ug/mL
							n-Heptane	25 ug/mL
							N-Propylbenzene	25 ug/mL
							Naphthalene	25 ug/mL
							o-Xylene	25 ug/mL
							sec-Butylbenzene	25 ug/mL
							Styrene	25 ug/mL
							tert-Butylbenzene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							trans-1,4-Dichloro-2-butene	25 ug/mL
							Trichloroethene	25 ug/mL
.VOA8260GAS1ST_00377	01/31/25		Restek, Lot A0180996		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
.VOA8260VOAPRI_00513	05/26/22	04/26/22	Methanol, Lot 4292562	10 mL	VOA8260KET1ST_00166	0.2 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					VOA8260MEGA1_00119	1 mL	1,1,1,2-Tetrachloroethane	250 ug/mL
							1,1,1-Trichloroethane	250 ug/mL
							1,1,2,2-Tetrachloroethane	250 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	250 ug/mL
							1,1,2-Trichloroethane	250 ug/mL
							1,1-Dichloroethane	250 ug/mL
							1,1-Dichloroethene	250 ug/mL
							1,1-Dichloropropene	250 ug/mL
							1,2,3-Trichlorobenzene	250 ug/mL
							1,2,3-Trichloropropane	250 ug/mL
							1,2,4-Trichlorobenzene	250 ug/mL
							1,2,4-Trimethylbenzene	250 ug/mL
							1,2-Dibromo-3-Chloropropane	250 ug/mL
							1,2-Dichlorobenzene	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	250 ug/mL
							1,2-Dichloropropane	250 ug/mL
							1,3,5-Trimethylbenzene	250 ug/mL
							1,3-Dichlorobenzene	250 ug/mL
							1,3-Dichloropropane	250 ug/mL
							1,4-Dichlorobenzene	250 ug/mL
							1,4-Dioxane	5000 ug/mL
							2,2-Dichloropropane	250 ug/mL
							2-Chlorotoluene	250 ug/mL
							2-Methyl-2-propanol	2500 ug/mL
							3-Chloro-1-propene	250 ug/mL
							4-Chlorotoluene	250 ug/mL
							4-Isopropyltoluene	250 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzene	250 ug/mL
							Bromobenzene	250 ug/mL
							Bromoform	250 ug/mL
							Carbon disulfide	250 ug/mL
							Carbon tetrachloride	250 ug/mL
							Chlorobenzene	250 ug/mL
							Chlorobromomethane	250 ug/mL
							Chlorodibromomethane	250 ug/mL
							Chloroform	250 ug/mL
							cis-1,2-Dichloroethene	250 ug/mL
							cis-1,3-Dichloropropene	250 ug/mL
							Cyclohexane	250 ug/mL
							Dibromomethane	250 ug/mL
							Dichlorobromomethane	250 ug/mL
							Ethyl ether	250 ug/mL
							Ethyl methacrylate	250 ug/mL
							Ethylbenzene	250 ug/mL
							Ethylene Dibromide	250 ug/mL
							Hexachlorobutadiene	250 ug/mL
							Hexane	250 ug/mL
							Iodomethane	250 ug/mL
							Isobutyl alcohol	6250 ug/mL
							Isopropylbenzene	250 ug/mL
							m-Xylene & p-Xylene	250 ug/mL
							Methyl acetate	500 ug/mL
							Methyl tert-butyl ether	250 ug/mL
							Methylcyclohexane	250 ug/mL
							Methylene Chloride	250 ug/mL
							n-Butylbenzene	250 ug/mL
							n-Heptane	250 ug/mL
							N-Propylbenzene	250 ug/mL
							Naphthalene	250 ug/mL
							o-Xylene	250 ug/mL
							sec-Butylbenzene	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	250 ug/mL
							tert-Butylbenzene	250 ug/mL
							Tetrachloroethene	250 ug/mL
							Tetrahydrofuran	500 ug/mL
							Toluene	250 ug/mL
							trans-1,2-Dichloroethene	250 ug/mL
							trans-1,3-Dichloropropene	250 ug/mL
							trans-1,4-Dichloro-2-butene	250 ug/mL
							Trichloroethene	250 ug/mL
..VOA8260KET1ST_00166	07/31/24		Restek, Lot A0174287		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VOA8260MEGA1_00119	10/31/22		Restek, Lot A0159680		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VOA8260VOAPRI_00531	08/11/22	08/04/22	Methanol, Lot 4890974	10 mL	VOA8260GAS1ST_00387	0.1 mL	Vinyl chloride	25 ug/mL
					VOA8260VOAPRI_00529	1 mL	2-Butanone (MEK)	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							Benzene	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Trichloroethene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOA8260GAS1ST_00387	01/31/25		Restek, Lot A0180996		(Purchased Reagent)		Vinyl chloride	2500 ug/mL
.VOA8260VOAPRI_00529	08/26/22	07/26/22	Methanol, Lot 4890970	10 mL	VOA8260KET1ST_00171	0.2 mL	2-Butanone (MEK)	250 ug/mL
					VOA8260MEGA1_00125	1 mL	1,1-Dichloroethene	250 ug/mL
							1,2-Dichloroethane	250 ug/mL
							Benzene	250 ug/mL
							Carbon tetrachloride	250 ug/mL
							Chlorobenzene	250 ug/mL
							Chloroform	250 ug/mL
							Tetrachloroethene	250 ug/mL
							Trichloroethene	250 ug/mL
..VOA8260KET1ST_00171	01/31/25		Restek, Lot A0180742		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
..VOA8260MEGA1_00125	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							Benzene	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VOABFB25_00151							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Xylenes, Total	
					VOABFB50_00154	5 mL	BFB	25 ug/mL
.VOABFB50_00154	08/05/22	07/05/22	Methanol, Lot 4890974	50 mL	VOABFBRES_00117	1 mL	BFB	50 ug/mL
..VOABFBRES_00117	10/31/26		Restek, Lot A0177440		(Purchased Reagent)		BFB	2500 ug/mL
WCODLL 100ppm_00730	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	5 mL	Chemical Oxygen Demand	100 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 10ppm_00733	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	0.5 mL	Chemical Oxygen Demand	10 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 125ppm_00725	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	6.25 mL	Chemical Oxygen Demand	125 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 150ppm_00737	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	7.5 mL	Chemical Oxygen Demand	150 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 25ppm_00732	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	1.25 mL	Chemical Oxygen Demand	25 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 50ppm_00728	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	2.5 mL	Chemical Oxygen Demand	50 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL 75ppm_00726	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	3.75 mL	Chemical Oxygen Demand	75 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL CCV_00724	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000P_00038	3.75 mL	Chemical Oxygen Demand	75 mg/L
.WCOD1000P_00038	03/02/24		Lab Chem, Lot M040-08		(Purchased Reagent)		Chemical Oxygen Demand	1000 mL
WCODLL ICVLCS_00732	08/05/22	08/04/22	DI Water, Lot Super Q	50 mL	WCOD1000S_00021	3.75 mL	Chemical Oxygen Demand	75 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.WCOD1000S_00021	08/31/22	Ricca Chemical Co., Lot 2103D87			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
WH2SO4ConcP_00107	12/29/25	Macron Chemicals, Lot 000276386			(Purchased Reagent)		Sulfuric acid	36 N
WHemPSP_00272	02/22/28	J.T.Baker, Lot 0000269775			(Purchased Reagent)		Acetone	0.002 mg/L
							HEM Polar (Oil and Grease - Polar)	3980 mg/L
							Hexadecane	1980 mg/L
							Oil & Grease (HEM)	3980 mg/L
							SGT HEM (Oil and Grease - Nonpolar)	1980 mg/L
							SGT-HEM	1980 mg/L
							Stearic Acid	2000 mg/L
WHemPSP_00273	02/02/28	J.T.Baker, Lot 0000269775			(Purchased Reagent)		Acetone	0.002 mg/L
							HEM Polar (Oil and Grease - Polar)	3980 mg/L
							Hexadecane	1980 mg/L
							Oil & Grease (HEM)	3980 mg/L
							SGT HEM (Oil and Grease - Nonpolar)	1980 mg/L
							SGT-HEM	1980 mg/L
							Stearic Acid	2000 mg/L
WpHBuffer7CCV_00082	03/31/24	Ricca, Lot 2204917			(Purchased Reagent)		pH	7 SU
WpHBuffer7P_00042	11/12/23	Lab Chem, Lot L307-10			(Purchased Reagent)		pH	7 SU
WResPSP_00085	09/30/24	Phenova, Lot 8227-09			(Purchased Reagent)		Total Solids	243 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
WTcreacSP_00034	12/01/22	ERA, Lot 041221M			(Purchased Reagent)		Cyanide, Reactive	1000 mg/L
WTsfideLCS_00084	08/31/23	phenova, Lot 8217-22			(Purchased Reagent)		Sulfide	70.9 mg/L
							Sulfide, Reactive	70.9 mg/L

Reagent

AR1016(10000)_00005

RESTEK®
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 572370 **Lot No.:** A0174171

Description : Custom Aroclor 1016 Standard

Custom Aroclor 1016 Standard 10,000µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	10,090.0 µg/mL	+/- 93.3748	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 129-02)		+/- 327.8408	µg/mL	Unstressed
	Purity ----%		+/- 423.9478	µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Reagent

AR1260(10000)_00003

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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. : 572371 **Lot No.:** A0175178

Description : Custom Aroclor 1260 Standard

Custom Aroclor 1260 Standard 10,000µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1260	10,000.0 µg/mL	+/- 92.5419	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 1072036)		+/- 324.9165	µg/mL	Unstressed
	Purity ----%		+/- 420.1663	µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Reagent

DBC Internal_00004

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CERTIFIED REFERENCE MATERIAL

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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. : 32025 **Lot No.:** A0152900

Description : Dibutyl Chlorendate Mix

Dibutylchlorendate 200µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibutyl chlorendate **CAS #** 1770-80-5 (Lot CAP-25493-47) **Purity** 99%	202.0 µg/mL	+/- 1.4323 +/- 9.3150 +/- 9.5516	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

DBC
5-6-20

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

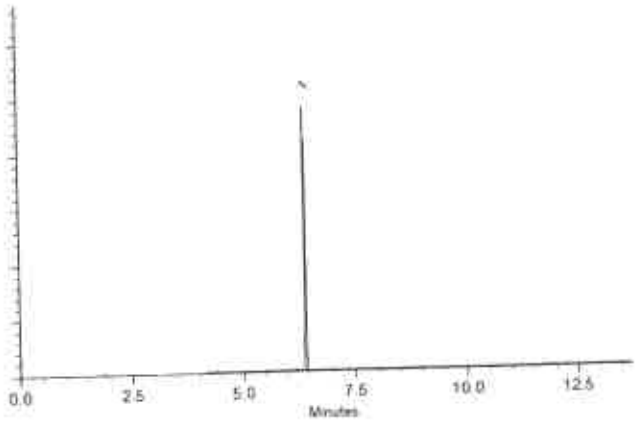
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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: 16-Sep-2019 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Sep-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

EUROPITT-CRA1_00002

4525865
ID: EUROPITT-CRA1_00002
Exp: 04/20/23 Prpd: RJG
ICP ICVL/CCVL STOCK SOLN#

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CM-MAR20-PIT1

Custom EUROPITT-CRA-1

Lot #: 10114318-4

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Ag	500.7 ± 2.5 µg/L	Cr	500.4 ± 2.5 µg/L	Ni	4.000 ± 0.020 µg/mL
Al	20.00 ± 0.10 µg/mL	Cu	2.499 ± 0.012 µg/mL	Pb	1.000 ± 0.005 µg/mL
As	999.3 ± 5.0 µg/L	Fe	10.00 ± 0.05 µg/mL	Se	1.000 ± 0.005 µg/mL
Ba	20.00 ± 0.10 µg/mL	K	500.0 ± 2.5 µg/mL	Sr	5.000 ± 0.025 µg/mL
Be	400.4 ± 2.0 µg/L	Li	5.000 ± 0.025 µg/mL	Tl	2.000 ± 0.010 µg/mL
Ca	500.0 ± 2.5 µg/mL	Mg	500.0 ± 2.5 µg/mL	V	5.001 ± 0.025 µg/mL
Cd	500.5 ± 2.5 µg/L	Mn	1.501 ± 0.008 µg/mL	Zn	2.000 ± 0.010 µg/mL
Co	5.000 ± 0.025 µg/mL	Na	500.0 ± 2.5 µg/mL		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Ag	1106123	Cr	1123848	Ni	984273
Al	1063015	Cu	1074805	Pb	1046594
As	1103713	Fe	1046975	Se	1135995
Ba	1112442	K	1053109	Sr	1096004
Be	1072683	Li	1094768	Tl	1124114
Ca	1072921	Mg	1075232	V	1055682
Cd	1080470	Mn	1063019	Zn	1095528
Co	1107088	Na	1055526		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was diluted with filtered (0.22 µm), 18 M-ohm deionized water and stabilized the appropriate high-purity acid(s) as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

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Europe
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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

October 20, 2021
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

EUROPITT-CRA2_00002

4525866
ID: EUROPITT-CRA2_00002
Exp: 04/20/23 Prpd: RJG
ICP ICVL/CCVL STOCK SOLN#

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CM-MAR20-PIT2

Custom EUROPITT-CRA-2

Lot #: 10114318-3

Matrix: 2% HNO_3/tr. HF

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
B	20.00 ± 0.10 µg/mL	Sb	1.002 ± 0.005 µg/mL	Sn	9.998 ± 0.050 µg/mL
Mo	4.001 ± 0.020 µg/mL	Si	50.01 ± 0.25 µg/mL	Ti	5.000 ± 0.025 µg/mL

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
B	1101946	Sb	1129139	Sn	1128650
Mo	1075718	Si	1094765	Ti	1038255

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was diluted with filtered (0.22 µm), 18 M-ohm deionized water and stabilized the appropriate high-purity acid(s) as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

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Chuck Goudreau

Chuck Goudreau, Certifying Officer

October 20, 2021
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

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Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

GC2PESTAB3STD_00004

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32415.SEC **Lot No.:** A0146108

Description : Organochlorine Pesticide Mix AB #3

Organochlorine Pesticide Mix AB #3 2,000µg/mL, Hexane/Toluene (50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2023 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC **CAS #** 319-84-6.SEC (Lot 1623900) **Purity** 99%	2,002.0 µg/mL	+/- 11.7489 µg/mL +/- 91.1896 µg/mL +/- 131.6653 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) **CAS #** 58-89-9.SEC (Lot LC00563V) **Purity** 99%	2,012.5 µg/mL	+/- 11.8105 µg/mL +/- 91.6678 µg/mL +/- 132.3559 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC **CAS #** 319-85-7.SEC (Lot 3403300) **Purity** 98%	2,002.1 µg/mL	+/- 11.7497 µg/mL +/- 91.1959 µg/mL +/- 131.6745 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC **CAS #** 319-86-8.SEC (Lot 1303100) **Purity** 99%	2,013.5 µg/mL	+/- 11.8163 µg/mL +/- 91.7134 µg/mL +/- 132.4217 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor **CAS #** 76-44-8.SEC (Lot 4964700) **Purity** 99%	2,009.0 µg/mL	+/- 11.7899 µg/mL +/- 91.5084 µg/mL +/- 132.1257 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin **CAS #** 309-00-2.SEC (Lot ER062311-01) **Purity** 99%	2,002.5 µg/mL	+/- 11.7518 µg/mL +/- 91.2123 µg/mL +/- 131.6982 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) **CAS #** 1024-57-3 * (Lot 7805400) **Purity** 99%	2,002.0 µg/mL	+/- 11.7489 µg/mL +/- 91.1896 µg/mL +/- 131.6653 µg/mL	Gravimetric Unstressed Stressed

8	trans-Chlordane **CAS #** 5103-74-2.SEC **Purity** 99%	(Lot LC12388V)	2,011.0	µg/mL	+/- 11.8017 +/- 91.5995 +/- 132.2572	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	cis-Chlordane **CAS #** 5103-71-9.SEC **Purity** 99%	(Lot 21320)	2,001.5	µg/mL	+/- 11.7459 +/- 91.1668 +/- 131.6325	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Endosulfan I **CAS #** 959-98-8.SEC **Purity** 99%	(Lot 3440200)	2,002.0	µg/mL	+/- 11.7489 +/- 91.1896 +/- 131.6653	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	4,4'-DDE **CAS #** 72-55-9.SEC **Purity** 99%	(Lot 3497600)	2,001.5	µg/mL	+/- 11.7459 +/- 91.1668 +/- 131.6325	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Dieldrin **CAS #** 60-57-1.SEC **Purity** 96%	(Lot 91453)	2,007.4	µg/mL	+/- 11.7803 +/- 91.4337 +/- 132.0179	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Endrin **CAS #** 72-20-8 * **Purity** 98%	(Lot 8063500)	2,000.7	µg/mL	+/- 11.7411 +/- 91.1290 +/- 131.5779	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	4,4'-DDD **CAS #** 72-54-8.SEC **Purity** 99%	(Lot 8046400)	2,000.6	µg/mL	+/- 11.7406 +/- 91.1258 +/- 131.5733	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Endosulfan II **CAS #** 33213-65-9.SEC **Purity** 99%	(Lot 96498)	2,016.5	µg/mL	+/- 11.8340 +/- 91.8500 +/- 132.6190	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Endrin aldehyde **CAS #** 7421-93-4.SEC **Purity** 99%	(Lot 21752)	2,018.5	µg/mL	+/- 11.8457 +/- 91.9411 +/- 132.7505	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4,4'-DDT **CAS #** 50-29-3.SEC **Purity** 99%	(Lot 7917700)	2,002.5	µg/mL	+/- 11.7518 +/- 91.2123 +/- 131.6982	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Endosulfan sulfate **CAS #** 1031-07-8.SEC **Purity** 99%	(Lot 8005800)	2,013.5	µg/mL	+/- 11.8163 +/- 91.7134 +/- 132.4217	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Methoxychlor **CAS #** 72-43-5.SEC **Purity** 99%	(Lot LC09014V)	2,007.0	µg/mL	+/- 11.7782 +/- 91.4173 +/- 131.9942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Endrin ketone **CAS #** 53494-70-5.SEC **Purity** 99%	(Lot 091307RD)	2,016.0	µg/mL	+/- 11.8310 +/- 91.8272 +/- 132.5861	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
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.**

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

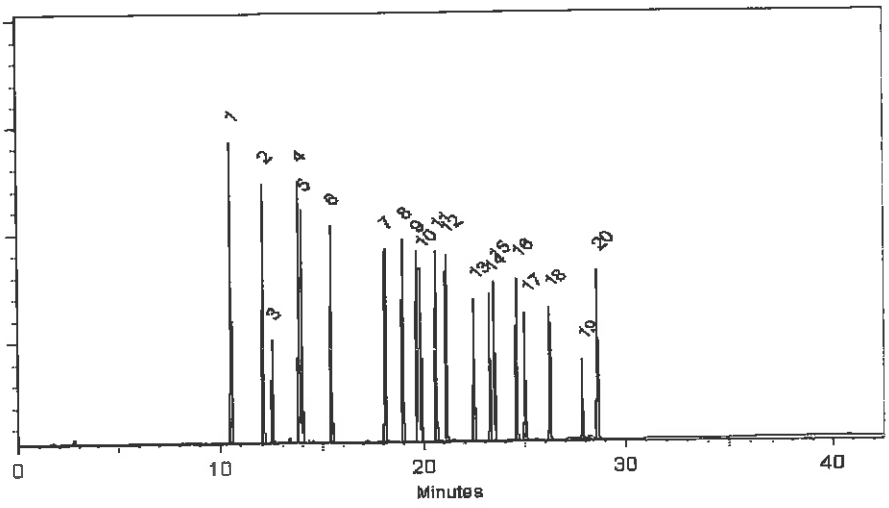
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 16-Feb-2019 **Balance:** B345965662

Justine Albertson - Operations Tech-ARM QC

Date Passed: 20-Feb-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

GCDCAASSTD_00010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569750 **Lot No.:** A0155899

Description : Herbicide LCS RTS (2015)

Herbicide LCS RTS (2015) 5-2000 µg/mL, Methanol, 25mL/bottle

Container Size : 25 mL **Pkg Amt:** > 25 mL

Expiration Date : December 31, 2021 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5-T **CAS #** 93-76-5 **Purity** 99% (Lot 9286300)	5.0 µg/mL	+/- 0.0446 +/- 0.2691 +/- 0.2696	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2,4,5-TP (silvex) **CAS #** 93-72-1 **Purity** 99% (Lot 8521500)	5.0 µg/mL	+/- 0.0444 +/- 0.2680 +/- 0.2685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	2,4-D **CAS #** 94-75-7 **Purity** 99% (Lot 8461000)	20.2 µg/mL	+/- 0.1611 +/- 1.0779 +/- 1.0797	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2,4-DB **CAS #** 94-82-6 **Purity** 99% (Lot 8293200)	20.1 µg/mL	+/- 0.1608 +/- 1.0758 +/- 1.0776	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Dalapon **CAS #** 75-99-0 **Purity** 95% (Lot 9286400)	20.1 µg/mL	+/- 0.1608 +/- 1.0758 +/- 1.0776	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Dicamba **CAS #** 1918-00-9 **Purity** 99% (Lot 8928700)	10.0 µg/mL	+/- 0.0801 +/- 0.5358 +/- 0.5366	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Dichlorprop **CAS #** 120-36-5 **Purity** 98% (Lot 9284500)	20.0 µg/mL	+/- 0.1599 +/- 1.0700 +/- 1.0718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Dinoseb **CAS #** 88-85-7 **Purity** 96%	(Lot 50001)	20.1	µg/mL	+/- 0.1608 +/- 1.0759 +/- 1.0777	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	MCPA **CAS #** 94-74-6 **Purity** 97%	(Lot 9101100)	2,011.5	µg/mL	+/- 11.6948 +/- 106.9828 +/- 107.1620	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	MCPP (Mecoprop) **CAS #** 93-65-2 **Purity** 99%	(Lot 9189800)	2,016.3	µg/mL	+/- 11.7231 +/- 107.2422 +/- 107.4218	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Pentachlorophenol **CAS #** 87-86-5 **Purity** 99%	(Lot 191018KJA)	5.0	µg/mL	+/- 0.0446 +/- 0.2691 +/- 0.2696	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Picloram **CAS #** 1918-02-1 **Purity** 98%	(Lot CY2QG)	20.1	µg/mL	+/- 0.1609 +/- 1.0763 +/- 1.0781	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Lane Kibe - Mix Technician

Date Mixed: 17-Dec-2019 **Balance:** B442140311

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Reagent

GCDCBStock_00010

Agilent

Certificate of Analysis

Product Name: Decachlorobiphenyl Standard

Product Number: PPS-150-1 **Lot Issue Date:** 27-Apr-2021

Lot Number: 0006599545 **Expiration Date:** 31-May-2025

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
decachlorobiphenyl (BZ # 209)	002051-24-3	RM18287	1001 ± 5 µg/mL

Matrix: toluene

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760

www.agilent.com/quality/
CSD-QA-015.1

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GCHERBICALMIX_00020

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569749 **Lot No.:** A0170029

Description : Herbicide List #1 Standard (2015)

Herbicide List #1 Standard (2015) 50-20,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5-T	50.5 µg/mL	+/- 0.3581	µg/mL	Gravimetric
	CAS # 93-76-5 (Lot 9626600)		+/- 2.6937	µg/mL	Unstressed
	Purity 99%		+/- 2.6982	µg/mL	Stressed
2	2,4,5-TP (silvex)	50.0 µg/mL	+/- 0.3545	µg/mL	Gravimetric
	CAS # 93-72-1 (Lot 11102400)		+/- 2.6671	µg/mL	Unstressed
	Purity 99%		+/- 2.6715	µg/mL	Stressed
3	2,4-D	201.0 µg/mL	+/- 1.4253	µg/mL	Gravimetric
	CAS # 94-75-7 (Lot 10821200)		+/- 10.7216	µg/mL	Unstressed
	Purity 99%		+/- 10.7395	µg/mL	Stressed
4	2,4-DB	201.0 µg/mL	+/- 1.4253	µg/mL	Gravimetric
	CAS # 94-82-6 (Lot 9993700)		+/- 10.7216	µg/mL	Unstressed
	Purity 99%		+/- 10.7395	µg/mL	Stressed
5	Dalapon	201.8 µg/mL	+/- 1.4310	µg/mL	Gravimetric
	CAS # 75-99-0 (Lot 10815900)		+/- 10.7648	µg/mL	Unstressed
	Purity 93%		+/- 10.7828	µg/mL	Stressed
6	Dicamba	100.5 µg/mL	+/- 0.7126	µg/mL	Gravimetric
	CAS # 1918-00-9 (Lot 10998300)		+/- 5.3608	µg/mL	Unstressed
	Purity 99%		+/- 5.3697	µg/mL	Stressed
7	Dichlorprop	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 120-36-5 (Lot 10280100)		+/- 10.6683	µg/mL	Unstressed
	Purity 99%		+/- 10.6860	µg/mL	Stressed

8	Dinoseb **CAS #** 88-85-7 **Purity** 99%	(Lot 50001)	204.5	µg/mL	+/- 1.4501 +/- 10.9083 +/- 10.9265	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	MCPA **CAS #** 94-74-6 **Purity** 98%	(Lot 11388600)	20,185.6	µg/mL	+/- 118.1908 +/- 1,073.6944 +/- 1,075.4928	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	MCPP (Mecoprop) **CAS #** 93-65-2 **Purity** 99%	(Lot 10533500)	20,191.0	µg/mL	+/- 118.2227 +/- 1,073.9842 +/- 1,075.7832	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Pentachlorophenol **CAS #** 87-86-5 **Purity** 99%	(Lot 200820KJ)	50.0	µg/mL	+/- 0.3545 +/- 2.6671 +/- 2.6715	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Picloram **CAS #** 1918-02-1 **Purity** 98%	(Lot CY2QG)	199.9	µg/mL	+/- 1.4176 +/- 10.6640 +/- 10.6818	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Kylie Struble - Operations Technician I

Date Mixed: 11-Mar-2021 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Reagent

GCNa2SO3_00015

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	S430	Quality Test / Release Date	08/27/2020
Lot Number	203490		
Description	SODIUM SULFITE, A.C.S.		
Country of Origin	Italy	Suggested Retest Date	Aug/2025
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White crystals, or crystalline powder
ASSAY	%	>= 98	98.7
CHLORIDE	%	<= 0.02	<0.02
FREE ACID	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS (as Pb)	%	<= 0.001	<0.001
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	0.002
IRON (Fe)	%	<= 0.001	<0.001
TITRATABLE FREE BASE	MEQ/G	<= 0.03	<0.03

Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

GCPCB2154 mix_00007

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569745 **Lot No.:** A0131802

Description : PCB-1221/1254 Standard

PCB-1221/1254 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Aroclor 1221 **CAS #** 11104-28-2 (Lot 2781200) **Purity** ----%	1,006.0 µg/mL	+/- 5.9753 µg/mL +/- 31.8975 µg/mL +/- 41.6615 µg/mL	Gravimetric Unstressed Stressed
2	Aroclor 1254 **CAS #** 11097-69-1 (Lot 124-191-B) **Purity** ----%	1,002.0 µg/mL	+/- 5.9516 µg/mL +/- 31.7706 µg/mL +/- 41.4958 µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCB2154 mix_00008

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569745.SEC **Lot No.:** A0131779

Description : PCB-1221/1254 Standard

PCB-1221/1254 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 11104-28-2.SEC (Lot W-126-07)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed
2	Aroclor 1254	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11097-69-1.SEC (Lot RM00922)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCB3262 mix_00005

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569746 **Lot No.:** A0132023

Description : PCB-1232/1262 Standard

PCB-1232/1262 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232 **CAS #** 11141-16-5 **Purity** ----%	(Lot W-107-05)	1,004.0 µg/mL	+/- 5.9635 µg/mL +/- 31.8340 µg/mL +/- 41.5787 µg/mL		Gravimetric Unstressed Stressed
2	Aroclor 1262 **CAS #** 37324-23-5 **Purity** ----%	(Lot 3067100)	1,002.0 µg/mL	+/- 5.9516 µg/mL +/- 31.7706 µg/mL +/- 41.4958 µg/mL		Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCB3262 mix_00006

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569746.SEC **Lot No.:** A0134307

Description : PCB-1232/1262 Standard

PCB-1232/1262 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 11141-16-5.SEC (Lot 130604JLM)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed
2	Aroclor 1262	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 37324-23-5.SEC (Lot W-130-05)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCB4268 mix_00005

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569747 **Lot No.:** A0133093

Description : PCB-1242/1268 Standard

PCB-1242/1268 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242 **CAS #** 53469-21-9 **Purity** ----%	(Lot 01141-A)	1,008.0 µg/mL	+/- 5.9872 µg/mL +/- 31.9609 µg/mL +/- 41.7443 µg/mL		Gravimetric Unstressed Stressed
2	Aroclor 1268 **CAS #** 11100-14-4 **Purity** ----%	(Lot 2743900)	1,000.0 µg/mL	+/- 5.9397 µg/mL +/- 31.7072 µg/mL +/- 41.4130 µg/mL		Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCB4268 mix_00006

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569747.SEC **Lot No.:** A0139730

Description : PCB-1242/1268 Standard

PCB-1242/1268 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242 **CAS #** 53469-21-9.SEC (Lot NTO1020) **Purity** ----%	1,000.0 µg/mL	+/- 5.9397 +/- 31.7072 +/- 41.4130	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Aroclor 1268 **CAS #** 11100-14-4.SEC (Lot W-131-05) **Purity** ----%	1,006.0 µg/mL	+/- 5.9753 +/- 31.8975 +/- 41.6615	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCBI1248STD_00010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010.SEC **Lot No.:** A0140113

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 12672-29-6.SEC (Lot 106-248)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCBI1248STD_00011

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Certificate #3222.01

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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. : 32010 **Lot No.:** A0142661

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)		
1	Aroclor 1248 **CAS #** 12672-29-6 (Lot 7872900) **Purity** ----%	1,000.0 µg/mL	+/- 5.8686 +/- 31.6940 +/- 41.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCBI1660STD_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039.SEC **Lot No.:** A0143130

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016 **CAS #** 12674-11-2.SEC (Lot 129) **Purity** ---%	1,010.0 µg/mL	+/- 5.9991 µg/mL +/- 32.0243 µg/mL +/- 41.8271 µg/mL		Gravimetric Unstressed Stressed
2	Aroclor 1260 **CAS #** 11096-82-5.SEC (Lot 021-020-1A) **Purity** ---%	1,005.0 µg/mL	+/- 5.9694 µg/mL +/- 31.8658 µg/mL +/- 41.6201 µg/mL		Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPCBI1660STD_00019

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0150739

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,003.6 µg/mL	+/- 5.8485	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 982931)		+/- 31.8005	µg/mL	Unstressed
	Purity ----%			+/- 41.5461	µg/mL	Stressed
2	Aroclor 1260		1,000.0 µg/mL	+/- 5.8275	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 855895)		+/- 31.6864	µg/mL	Unstressed
	Purity ----%			+/- 41.3971	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

GCPEST(PEM2)_00002

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571991 **Lot No.:** A0150215

Description : 8081 Performance Evaluation Mix

8081 Performance Evaluation Mix 5-10µg/mL, Hexane/Toluene (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)		
1	Endrin **CAS #** 72-20-8 **Purity** 99%	(Lot 8429200)	5.0 µg/mL	+/- 0.1542 µg/mL +/- 0.2735 µg/mL +/- 0.3620 µg/mL		Gravimetric Unstressed Stressed
2	4,4'-DDT **CAS #** 50-29-3 **Purity** 99%	(Lot S37912V)	10.0 µg/mL	+/- 0.3096 µg/mL +/- 0.5491 µg/mL +/- 0.7269 µg/mL		Gravimetric Unstressed Stressed

Solvent: Hexane/Toluene (90:10)
CAS # 110-54-3/108-88-3
Purity 99%

Rec'd 11-1-19

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

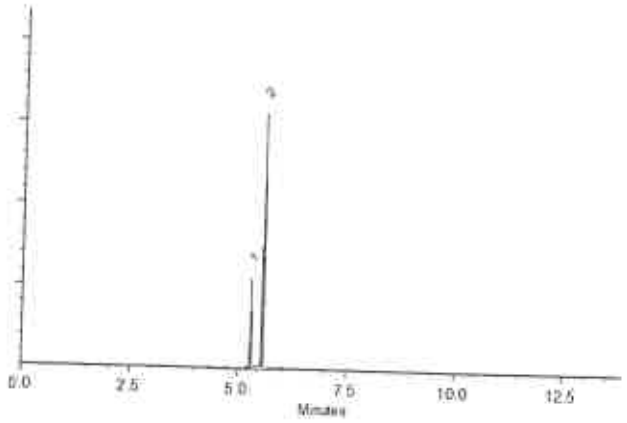
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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: 19-Jun-2019 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 21-Jun-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

GCPEST(SURR)S_00010

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0141110

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	201.4 µg/mL	+/- 1.1736	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3813	µg/mL	Unstressed
	Purity 98%		+/- 8.3370	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.6 µg/mL	+/- 1.1690	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3563	µg/mL	Unstressed
	Purity 99%		+/- 8.3043	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

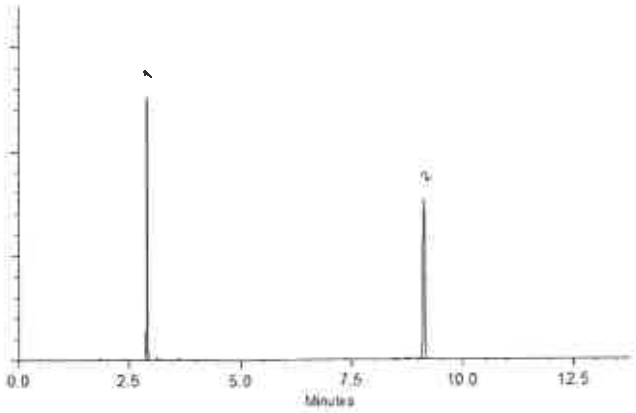
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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 Suckal - Mix Technician

Date Mixed: 29-Aug-2018 **Balance:** B707717271

Justine Albertson - Operations Tech-ARM QC

Date Passed: 04-Sep-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

GCpest/pcbINT_00006

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0157061

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-2-nitrobenzene	1,001.0 µg/mL	+/- 5.9456	µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.1383	µg/mL	Unstressed
	Purity 99%		+/- 57.4512	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

GCPESTAB3STD_00004

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Certificate of Analysis

AB#3

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Rec'd 10-26-18

Catalog No. : 32415 **Lot No.:** A0137734

Description : Organochlorine Pesticide Mix AB #3

Organochlorine Pesticide Mix AB #3 2,000 µg/mL, Hexane/Toluene (50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2022 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC **CAS #** 319-84-6 (Lot 0911942) **Purity** 99%	2,016.5 µg/mL	+/- 11.8340 µg/mL +/- 91.8500 µg/mL +/- 132.6190 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) **CAS #** 58-89-9 (Lot 6815700) **Purity** 99%	2,018.5 µg/mL	+/- 11.8457 µg/mL +/- 91.9411 µg/mL +/- 132.7505 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC **CAS #** 319-85-7 (Lot BCBS8692V) **Purity** 98%	2,009.5 µg/mL	+/- 11.7928 µg/mL +/- 91.5307 µg/mL +/- 132.1579 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC **CAS #** 319-86-8 (Lot ER02101401) **Purity** 99%	2,018.5 µg/mL	+/- 11.8457 µg/mL +/- 91.9411 µg/mL +/- 132.7505 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor **CAS #** 76-44-8 (Lot NT060133) **Purity** 99%	2,015.0 µg/mL	+/- 11.8251 µg/mL +/- 91.7817 µg/mL +/- 132.5203 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin **CAS #** 309-00-2 (Lot 7321900) **Purity** 99%	2,014.5 µg/mL	+/- 11.8222 µg/mL +/- 91.7589 µg/mL +/- 132.4874 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) **CAS #** 1024-57-3 (Lot ER121511-01) **Purity** 99%	2,007.5 µg/mL	+/- 11.7811 µg/mL +/- 91.4401 µg/mL +/- 132.0271 µg/mL	Gravimetric Unstressed Stressed

8	trans-Chlordane		2,009.0	µg/mL	+/-	11.7899	µg/mL	Gravimetric
	CAS # 5103-74-2	(Lot ER061906-04)			+/-	91.5084	µg/mL	Unstressed
	Purity 99%				+/-	132.1257	µg/mL	Stressed
9	cis-Chlordane		2,008.0	µg/mL	+/-	11.7841	µg/mL	Gravimetric
	CAS # 5103-71-9	(Lot ER062410-01)			+/-	91.4628	µg/mL	Unstressed
	Purity 99%				+/-	132.0599	µg/mL	Stressed
10	Endosulfan I		2,016.0	µg/mL	+/-	11.8310	µg/mL	Gravimetric
	CAS # 959-98-8	(Lot ER012105-02)			+/-	91.8272	µg/mL	Unstressed
	Purity 99%				+/-	132.5861	µg/mL	Stressed
11	4,4'-DDE		2,012.5	µg/mL	+/-	11.8105	µg/mL	Gravimetric
	CAS # 72-55-9	(Lot GHYQG)			+/-	91.6678	µg/mL	Unstressed
	Purity 99%				+/-	132.3559	µg/mL	Stressed
12	Dieldrin		1,999.2	µg/mL	+/-	11.7324	µg/mL	Gravimetric
	CAS # 60-57-1	(Lot 5709400)			+/-	91.0620	µg/mL	Unstressed
	Purity 98%				+/-	131.4812	µg/mL	Stressed
13	Endrin		2,012.4	µg/mL	+/-	11.8101	µg/mL	Gravimetric
	CAS # 72-20-8	(Lot 6898800)			+/-	91.6646	µg/mL	Unstressed
	Purity 98%				+/-	132.3513	µg/mL	Stressed
14	4,4'-DDD		2,005.5	µg/mL	+/-	11.7694	µg/mL	Gravimetric
	CAS # 72-54-8	(Lot HAN02-KNCK)			+/-	91.3490	µg/mL	Unstressed
	Purity 99%				+/-	131.8955	µg/mL	Stressed
15	Endosulfan II		2,018.0	µg/mL	+/-	11.8428	µg/mL	Gravimetric
	CAS # 33213-65-9	(Lot 7276300)			+/-	91.9183	µg/mL	Unstressed
	Purity 99%				+/-	132.7176	µg/mL	Stressed
16	Endrin aldehyde		2,015.5	µg/mL	+/-	11.8281	µg/mL	Gravimetric
	CAS # 7421-93-4	(Lot ER082306-01)			+/-	91.8045	µg/mL	Unstressed
	Purity 99%				+/-	132.5532	µg/mL	Stressed
17	4,4'-DDT		2,016.5	µg/mL	+/-	11.8340	µg/mL	Gravimetric
	CAS # 50-29-3	(Lot S37912V)			+/-	91.8500	µg/mL	Unstressed
	Purity 99%				+/-	132.6190	µg/mL	Stressed
18	Endosulfan sulfate		2,009.3	µg/mL	+/-	11.7914	µg/mL	Gravimetric
	CAS # 1031-07-8	(Lot BCBT8804)			+/-	91.5198	µg/mL	Unstressed
	Purity 95%				+/-	132.1422	µg/mL	Stressed
19	Methoxychlor		2,006.5	µg/mL	+/-	11.7753	µg/mL	Gravimetric
	CAS # 72-43-5	(Lot 7322100)			+/-	91.3945	µg/mL	Unstressed
	Purity 99%				+/-	131.9613	µg/mL	Stressed
20	Endrin ketone		2,007.0	µg/mL	+/-	11.7782	µg/mL	Gravimetric
	CAS # 53494-70-5	(Lot 160405JLM)			+/-	91.4173	µg/mL	Unstressed
	Purity 99%				+/-	131.9942	µg/mL	Stressed

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

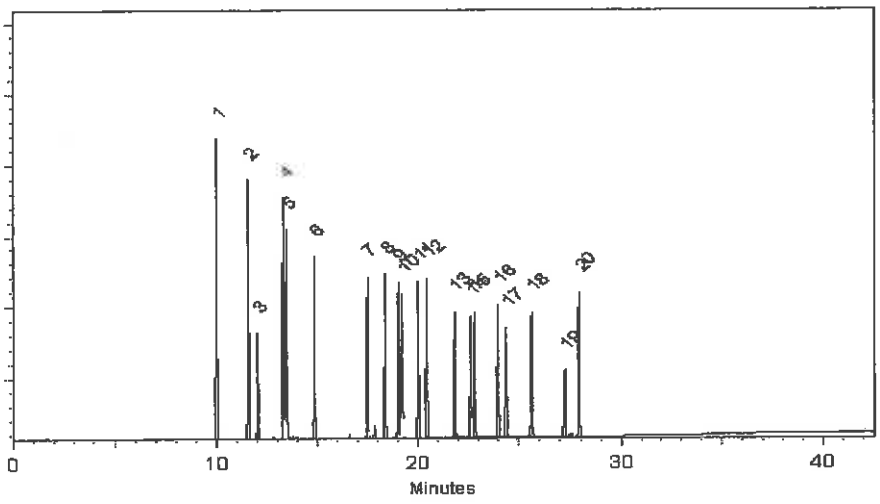
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



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: 03-May-2018 **Balance:** B442140311

Amanda Miller - Operations Tech-ARM QC

Date Passed: 18-May-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

GCTBA98.0_00008

Version	00
Molecular weight	339.53
Quality Test / Release Date	06/06/2018
Molecular Formula	C16 H35 N . H2 S O4
CAS No	32503-27-8
Linear Formula	[CH3(CH2)3]4NHSO4
Flash Point (°C)	

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This is to certify that units of the above mentioned lot number were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties,expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Unless otherwise stated, these products are not intended for dialysis, parenteral, or injectable use without further processing. The following are the actual analytical results obtained:

Catalog Number	16838	**Quality Test / Release Date** 06/06/2018
Lot Number	A0397220	
Description	Tetrabutylammonium hydrogen sulfate,98%	
Country of Origin	INDIA	
Declaration of Origin	synthetic	

BSE/TSE comment	

Chemical Comment	

Result name	Units	Specifications	Test Value
Appearance (Color)		White to off-white	White
Appearance (Form)		Crystalline powder or crystals	Crystalline powder
Infrared spectrum		Authentic	Authentic
Melting point		168°C to 173°C	172°C
Titration with NaOH		>=97.5 %	100 %

L. Van den Broek, QA Manager Issued: 06-07-2018

Acros Organics
ENA23, zone1, nr 1350, Janssen Pharmaceuticalaan 3a, B-2440 Geel, Belgium
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Reagent

GCTCMXSTD_00012

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Product Name: 2,4,5,6-Tetrachloro-m-xylene Standard

Product Number: IST-440-1 **Lot Issue Date:** 28-Jun-2021

Lot Number: 0006612638 **Expiration Date:** 31-Jul-2025

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
2,4,5,6-tetrachloro-m-xylene	000877-09-8	RM18673	2005 ± 10 µg/mL

Matrix: acetone

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

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Reagent

GCTOX2NDSOURC_00002

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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. : 32071-SL **Lot No.:** A0134898

Description : Toxaphene Standard

Toxaphene Standard 5,000µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Toxaphene	5,030.0 µg/mL	+/- 29.5189 µg/mL	Gravimetric
	CAS # 8001-35-2 (Lot NT058529)		+/- 159.4207 µg/mL	Unstressed
	Purity ----%		+/- 208.2564 µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

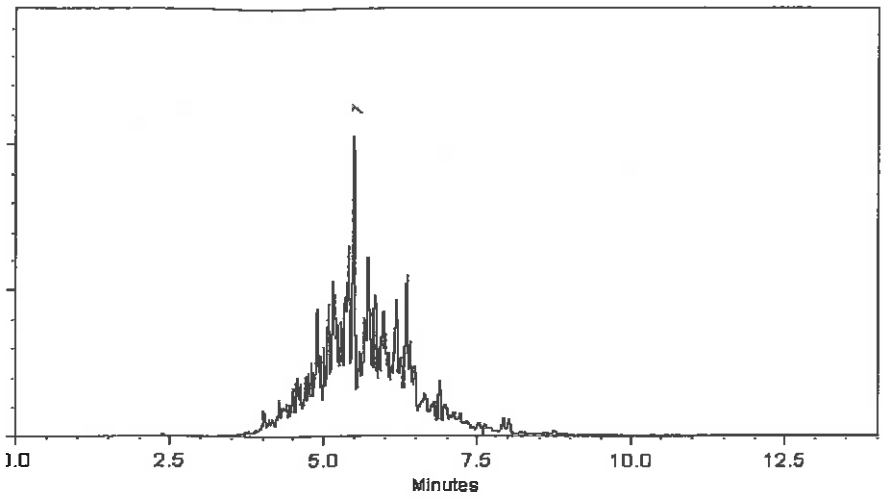
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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.

Cydnei L. Crust
Cydnei L. Crust - Mix Technician

Date Mixed: 05-Feb-2018 **Balance:** B345965662

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 08-Feb-2018

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

2TUX1320

Reagent

GCTOXSTDSTD_00003

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32071 **Lot No.:** A0155399

Description : Toxaphene Standard

Toxaphene Standard 5,000 µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2024 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Toxaphene	5,010.0 µg/mL	+/- 29.4015 µg/mL	Gravimetric
	CAS # 8001-35-2 (Lot 0006492075)		+/- 158.7868 µg/mL	Unstressed
	Purity ----%		+/- 207.4284 µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

TX1320

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

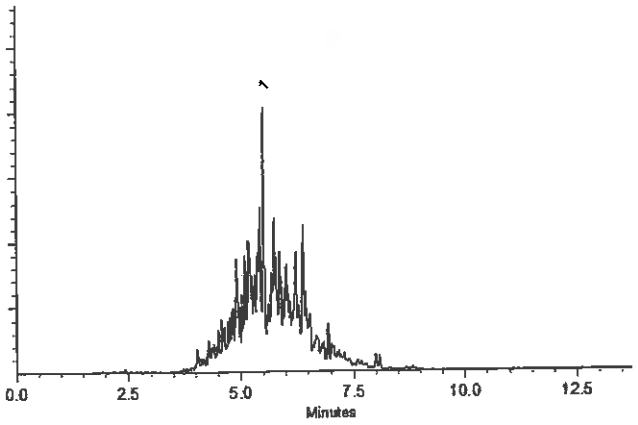
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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: 26-Nov-2019 **Balance:** 1128360905

Justine Albertson - Operations Tech-ARM QC

Date Passed: 03-Dec-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

Herb(RTS)spk_00014

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569750 **Lot No.:** A0171895

Description : Herbicide LCS RTS (2015)

Herbicide LCS RTS (2015) 5-2000 µg/mL, Methanol, 25mL/bottle

Container Size : 25 mL **Pkg Amt:** > 25 mL

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5-T	5.0 µg/mL	+/- 0.0436	µg/mL	Gravimetric
	CAS # 93-76-5 (Lot 11086400)		+/- 0.2690	µg/mL	Unstressed
	Purity 99%		+/- 0.2694	µg/mL	Stressed
2	2,4,5-TP (silvex)	5.0 µg/mL	+/- 0.0434	µg/mL	Gravimetric
	CAS # 93-72-1 (Lot 11102400)		+/- 0.2679	µg/mL	Unstressed
	Purity 99%		+/- 0.2683	µg/mL	Stressed
3	2,4-D	20.0 µg/mL	+/- 0.1555	µg/mL	Gravimetric
	CAS # 94-75-7 (Lot 10821200)		+/- 1.0687	µg/mL	Unstressed
	Purity 99%		+/- 1.0705	µg/mL	Stressed
4	2,4-DB	20.0 µg/mL	+/- 0.1555	µg/mL	Gravimetric
	CAS # 94-82-6 (Lot 9993700)		+/- 1.0687	µg/mL	Unstressed
	Purity 99%		+/- 1.0705	µg/mL	Stressed
5	Dalapon	20.1 µg/mL	+/- 0.1561	µg/mL	Gravimetric
	CAS # 75-99-0 (Lot 11357100)		+/- 1.0729	µg/mL	Unstressed
	Purity 94%		+/- 1.0747	µg/mL	Stressed
6	Dicamba	10.1 µg/mL	+/- 0.0785	µg/mL	Gravimetric
	CAS # 1918-00-9 (Lot 10998300)		+/- 0.5397	µg/mL	Unstressed
	Purity 99%		+/- 0.5406	µg/mL	Stressed
7	Dichlorprop	20.1 µg/mL	+/- 0.1566	µg/mL	Gravimetric
	CAS # 120-36-5 (Lot 10280100)		+/- 1.0762	µg/mL	Unstressed
	Purity 99%		+/- 1.0780	µg/mL	Stressed

8	Dinoseb **CAS #** 88-85-7 **Purity** 99%	(Lot 50001)	20.1	µg/mL	+/- 0.1561 +/- 1.0730 +/- 1.0748	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	MCPA **CAS #** 94-74-6 **Purity** 98%	(Lot 10591500)	2,000.7	µg/mL	+/- 11.6321 +/- 106.4091 +/- 106.5874	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	MCPP (Mecoprop) **CAS #** 93-65-2 **Purity** 99%	(Lot 11686000)	2,000.0	µg/mL	+/- 11.6282 +/- 106.3734 +/- 106.5517	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Pentachlorophenol **CAS #** 87-86-5 **Purity** 99%	(Lot 200820KJ)	5.0	µg/mL	+/- 0.0438 +/- 0.2700 +/- 0.2705	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Picloram **CAS #** 1918-02-1 **Purity** 98%	(Lot CY2QG)	20.1	µg/mL	+/- 0.1559 +/- 1.0714 +/- 1.0732	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 29-Apr-2021 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Reagent

Herbmix1.sec_00006

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569749.SEC **Lot No.:** A0172758

Description : Herbicide List #1 Standard (2015)

Herbicide List #1 Standard (2015) 50-20,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5-T	50.0 µg/mL	+/- 0.3545 µg/mL	Gravimetric
	CAS # 93-76-5.SEC (Lot 20724)		+/- 2.6671 µg/mL	Unstressed
	Purity 99%		+/- 2.6715 µg/mL	Stressed
2	2,4,5-TP (silvex)	50.0 µg/mL	+/- 0.3545 µg/mL	Gravimetric
	CAS # 93-72-1.SEC (Lot 50729)		+/- 2.6671 µg/mL	Unstressed
	Purity 99%		+/- 2.6715 µg/mL	Stressed
3	2,4-D	200.0 µg/mL	+/- 1.4182 µg/mL	Gravimetric
	CAS # 94-75-7.SEC (Lot BCCD8084)		+/- 10.6683 µg/mL	Unstressed
	Purity 99%		+/- 10.6860 µg/mL	Stressed
4	2,4-DB	200.0 µg/mL	+/- 1.4182 µg/mL	Gravimetric
	CAS # 94-82-6.SEC (Lot G1074866)		+/- 10.6683 µg/mL	Unstressed
	Purity 99%		+/- 10.6860 µg/mL	Stressed
5	Dalapon	198.7 µg/mL	+/- 1.4091 µg/mL	Gravimetric
	CAS # 75-99-0.SEC (Lot 119290)		+/- 10.6000 µg/mL	Unstressed
	Purity 96%		+/- 10.6177 µg/mL	Stressed
6	Dicamba	100.0 µg/mL	+/- 0.7091 µg/mL	Gravimetric
	CAS # 1918-00-9.SEC (Lot BCCB1194)		+/- 5.3341 µg/mL	Unstressed
	Purity 99%		+/- 5.3430 µg/mL	Stressed
7	Dichlorprop	200.5 µg/mL	+/- 1.4217 µg/mL	Gravimetric
	CAS # 120-36-5.SEC (Lot 11007)		+/- 10.6949 µg/mL	Unstressed
	Purity 99%		+/- 10.7128 µg/mL	Stressed

8	Dinoseb **CAS #** 88-85-7.SEC **Purity** 99%	(Lot 10589700)	200.5 µg/mL	+/- 1.4217 +/- 10.6949 +/- 10.7128	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	MCPA **CAS #** 94-74-6.SEC **Purity** 96%	(Lot 4H3HD)	20,063.5 µg/mL	+/- 117.4763 +/- 1,067.2034 +/- 1,068.9910	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	MCPP (Mecoprop) **CAS #** 93-65-2.SEC **Purity** 99%	(Lot 1-KAS-91-1)	20,064.5 µg/mL	+/- 117.4821 +/- 1,067.2556 +/- 1,069.0433	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Pentachlorophenol **CAS #** 87-86-5.SEC **Purity** 99%	(Lot 8636800)	50.0 µg/mL	+/- 0.3545 +/- 2.6671 +/- 2.6715	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Picloram **CAS #** 1918-02-1.SEC **Purity** 99%	(Lot 40121)	200.5 µg/mL	+/- 1.4217 +/- 10.6949 +/- 10.7128	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Matt Fragassi - Mix Technician

Date Mixed: 25-May-2021 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Reagent

M6500ICSA_00016

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSA

ICP ICSA Mix

Lot #: 1207637-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	5000 ± 25 mg/L	Fe	2000 ± 10 mg/L
Ca	5000 ± 25 mg/L	Mg	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
Al	1077624	Fe	1114543
Ca	1121798	Mg	1075231

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Fe	MAJOR	Sb	<0.5
Al	MAJOR	Hg	<0.5	Se	<2
As	<0.5	K	<50	Sn	<0.5
Ba	<2	Li	<2	Sr	44
Be	<0.5	Mg	MAJOR	Th	<0.5
Ca	MAJOR	Mn	92	Ti	<2
Cd	<0.5	Mo	<0.5	Tl	<0.5
Co	<0.5	Na	197.9	U	<0.5
Cr	<1	Ni	<1	V	<2
Cu	<1	Pb	<0.5	Zn	<2

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Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901
www.cpiinternational.com

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

March 23, 2022
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

M6500ICSA_00017

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSA

ICP ICSA Mix

Lot #: 1148900-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	5000 ± 25 mg/L	Fe	2000 ± 10 mg/L
Ca	5000 ± 25 mg/L	Mg	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
Al	1077624	Fe	1114543
Ca	1121798	Mg	1013351

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	1	Fe	MAJOR	Sb	<0.5
Al	MAJOR	Hg	<0.5	Se	<2
As	<0.5	K	114	Sn	<0.5
Ba	77	Li	<2	Sr	142
Be	<0.5	Mg	MAJOR	Th	<0.5
Ca	MAJOR	Mn	16	Ti	<2
Cd	0.6	Mo	4	Tl	<0.5
Co	6	Na	299	U	<0.5
Cr	17	Ni	7	V	<2
Cu	5	Pb	5	Zn	7

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 8, 2022
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

MCGHG1-1_00016

4368406
ID: MCGHG1-1_00016
Exp:11/24/22 Prpd:RJR Opn:07/27/21
Hg Stock solution CAL

RECEIVED
6/21/21
RJR

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: S4400-1000331

Mercury (Hg) – 1000 µg/mL

Lot #: 1084154-49

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty
Hg	1004 ± 5 µg/mL (w/v)
	989.0 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.9% pure mercury (Hg) metal. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133, lot #160921**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	6	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	13	Cu	2	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	56	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

May 24, 2021
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Quality Manual Rev No. 7, July 24, 2019

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MHGICV-1_00012

ENVIRONMENTAL EXPRESS®
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Certificate of Analysis

Certified Reference Material

Product Description: Mercury

Product Number: **HP100033-1-100**

Lot Number: **2107432-100EE**

Matrix: 2% HNO3

Density: 1.014 g/mL ± 0.002 g/mL @ 22.0°C ± 0.3°C

Certified Value:

Element	µg/mL	SRM ID
Hg	1000 ± 6	3133

The Certified value is based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor k is about 2.
* Refer to Traceability Information, Section 4

Uncertified Values:

Trace Metal Impurity Scan: The data reported are based upon a scan of this specific lot via ICP-OES/ICP-MS analysis. The values are reported in µg/L.

Ag	7	Cu	<0.02	La	<0.02	Pt	<2	Te	<0.02
Al	<0.3	Dy	<0.02	Li	<0.02	Rb	<0.02	Th	<0.02
As	na	Er	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
Au	<0.02	Eu	<0.02	Mg	<0.1	Rh	<0.02	Tl	<0.02
B	<1	Fe	<1	Mn	<0.5	Ru	<0.02	Tm	<0.02
Ba	<0.02	Ga	<0.02	Mo	<0.02	Sb	<0.02	U	<0.05
Be	<0.02	Gd	<0.02	Na	<3	Sc	<3	V	<0.05
Bi	<0.02	Ge	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Ca	<1	Hf	<0.02	Nd	<0.02	Si	<5	Y	<0.02
Cd	<0.02	Hg	M	Ni	<0.6	Sm	<0.02	Yb	<0.02
Ce	<0.02	Ho	<0.02	Os	<2	Sn	<0.5	Zn	<0.02
Co	<0.05	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Cr	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cs	na	K	<1	Pr	<0.02	Tb	<0.02		

Packaging and Storage Conditions:

The standard is packaged in a a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: July 2021

Expiration Date: January 31, 2023

Certificate Issue Date: April 26, 2021

Moven Mutuvari

Moven Mutuvari, Ph. D, VP Manufacturing

2345A Charleston Regional Pkwy, Charleston, South Carolina 29492
843-881-6560 • 800-343-5319 • 843-881-3964 (Fax) • EnvExp.com

Preparation Information:

This standard is prepared using **99.9993%** pure **Mercury Metal** which was purchased from a qualified vendor per ISO 9001 guidelines and assayed by analytical methods for conformity prior to use. This standard was manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Accreditation:

This CRM was manufactured by an ISO 17025:2017 chemical testing lab (Certificate number AT-1529) and ISO 17034:2016 Reference Material Producer (RMP) Certificate number AR-1436 accredited by ANSI National Accreditation Board (ANAB).

Refer to Safety Datasheet (SDS) for hazardous information.

Reagent

MLI1000_00004

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: TA-1000291

SE Std Lithium (Li) – 1000 µg/mL

Product Lot #: 1094768-96

Matrix: 5% HNO_3

Source Material Lot #: 1084156

Element	Certified Concentration & Uncertainty
Li	993 ± 5 µg/mL (w/v)
	983 ± 5 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.999% pure lithium carbonate (Li_2CO_3) dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3129a, lot #100714**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	42	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	27	Cs	0.6	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	44	Pt	<0.5	Sm	<0.2	V	<1
Ba	2	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	0.7	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	2	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	MAJOR	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	3
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

December 31, 2021
Certification Date

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The Netherlands

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Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Quality Manual Rev: No. 7, July 24, 2019

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MTAPITTCALTRA_00014

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	TAPITT-CAL-TRA
Lot Number:	T2-MEB717703
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Silver, Thallium, 50 µg/mL ea: Arsenic, Cadmium, Lead, Antimony, Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	49.99 ± 0.40 µg/mL	Arsenic, As	49.99 ± 0.34 µg/mL
Cadmium, Cd	49.99 ± 0.22 µg/mL	Lead, Pb	50.00 ± 0.22 µg/mL
Selenium, Se	50.00 ± 0.35 µg/mL	Silver, Ag	100.0 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.6 µg/mL		

Density: 1.015 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
As	ICP Assay	traceable to 3103a	R2-AS691113
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) $= U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) $= U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 08, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 08, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

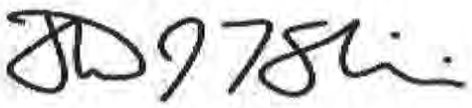
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MTAPITTCALTRC_00014

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	TAPITT-CAL-TRC-REV
Lot Number:	T2-MEB717705
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	200 µg/mL ea:

Boron, Barium,
Beryllium, Cobalt,
Chromium, Copper,
Lithium, Manganese,
Nickel, Strontium,
Vanadium, Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	200.0 ± 0.9 µg/mL	Beryllium, Be	200.0 ± 1.3 µg/mL
Boron, B	200.0 ± 1.3 µg/mL	Chromium, Cr	200.1 ± 1.5 µg/mL
Cobalt, Co	200.0 ± 1.0 µg/mL	Copper, Cu	200.1 ± 0.8 µg/mL
Lithium, Li	200.0 ± 0.8 µg/mL	Manganese, Mn	200.0 ± 0.8 µg/mL
Nickel, Ni	200.0 ± 0.9 µg/mL	Strontium, Sr	200.0 ± 0.8 µg/mL
Vanadium, V	200.0 ± 0.9 µg/mL	Zinc, Zn	200.0 ± 0.9 µg/mL

Density: 1.022 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 12, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 12, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

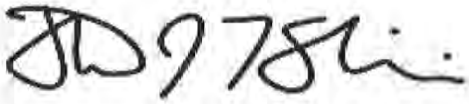
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MTAPITTCALTRD_00015

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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	TAPITT-CAL-TRD
Lot Number:	T2-MEB717706
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Molybdenum, Mo	**200.0 ± 1.2 µg/mL**	**Silicon, Si**	**200.0 ± 1.1 µg/mL**
Tin, Sn	**200.0 ± 1.3 µg/mL**	**Titanium, Ti**	**200.0 ± 1.5 µg/mL**

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 12, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 12, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

OPHERBRTSSURR_00014

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568751 **Lot No.:** A0173155

Description : Herbicide Surrogate RTS

Herbicide Surrogate RTS 10µg/mL, Methanol, 100mL/bottle

Container Size : 100 mL **Pkg Amt:** > 100 mL

Expiration Date : June 30, 2023 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-dichlorophenylacetic acid	10.1 µg/mL	+/- 0.0710	µg/mL	Gravimetric
	CAS # 19719-28-9 (Lot S30618V)		+/- 0.5365	µg/mL	Unstressed
	Purity 99%		+/- 0.5374	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Reagent

PCB205int_00003

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USA

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CERTIFICATE OF ANALYSIS

Catalog No: C-205N-50MG
Description: 2,3,3',4,4',5,5',6-Octachlorobiphenyl
Lot: 30662
Solvent: N/A
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Aug 8, 2019
Expiration: Aug 8, 2029
Sample Size: 50 mg
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ANAB ACCREDITED TESTING LABORATORY AT-1339

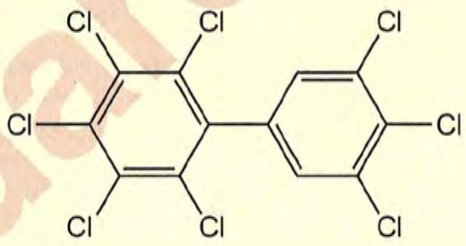
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration	Certified Analyte Concentration[1]
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	99.4	N/A	N/A

Identification:

Molecular formula: C12H2Cl8
Molecular weight: 429.77

Identity has been confirmed by: Mass Spec



A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] The Uncertainty calculated for this product is ±2.4%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Metrological traceability is established through in-house validated methods.

Purity, if stated, is equal to 100% minus found impurity components. Impurity components have not been identified.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Reagent

SV LIST3/STD1_00009

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571996 **Lot No.:** A0149278

Description : 8270 List 3 / Std #1 Benzo(e)pyrene

8270 List 3 / Std #1 Benzo(e)pyrene 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2022 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzo(e)pyrene	2,000.0 µg/mL	+/- 11.8794	µg/mL	Gravimetric
	CAS # 192-97-2 (Lot NT061593)		+/- 90.1140	µg/mL	Unstressed
	Purity 99%		+/- 99.9858	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

SV LST1/STD10_00007

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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0173787

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Indene	2,011.6 µg/mL	+/- 11.6957 µg/mL	Gravimetric
	CAS # 95-13-6 (Lot DMKCB7043-1211)		+/- 112.7892 µg/mL	Unstressed
	Purity 98%		+/- 115.4283 µg/mL	Stressed
2	Benzoic acid	2,018.2 µg/mL	+/- 11.7340 µg/mL	Gravimetric
	CAS # 65-85-0 (Lot MKCG6487)		+/- 113.1585 µg/mL	Unstressed
	Purity 99%		+/- 115.8062 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

SV2356TCPs_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

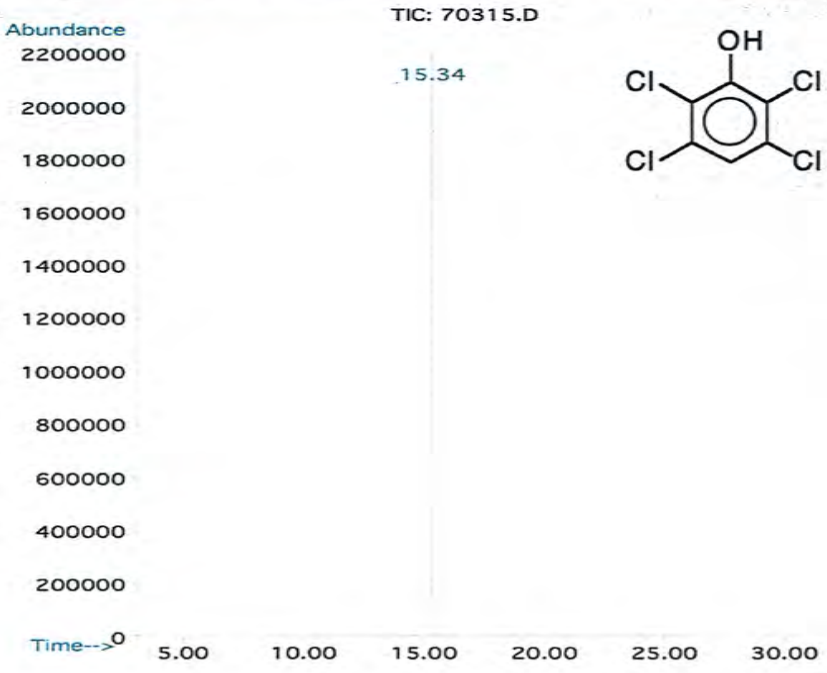
CERTIFIED WEIGHT REPORT

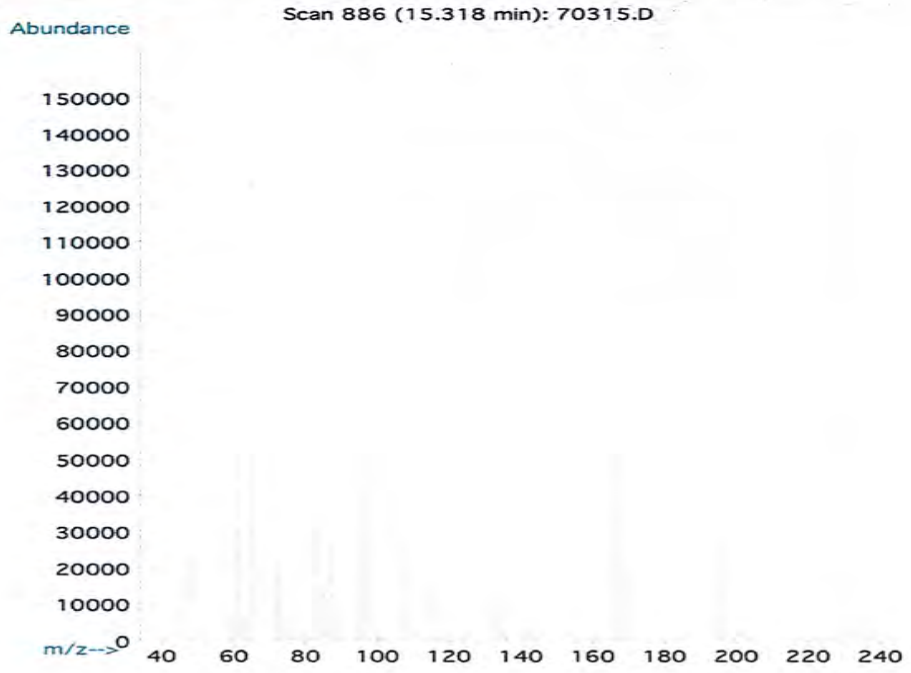
Part Number:	**70315**	**Solvent(s):**	**Lot#**
Lot Number:	122221	Methylene chloride	105345
Description:	2,3,5,6-Tetrachlorophenol		
Expiration Date:	122226		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	25.0	0.001 Flask Uncertainty	

		122221
Formulated By:	Benson Chan	DATE
		122221
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.	2,3,5,6-Tetrachlorophenol	315	100317	1000	99.3	0.2	0.02518	0.02520	1001.0	5.7	935-95-5	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 (9 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Scan Rate = 2, Split Ratio = 100:1. 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

SV2NAPAMINEs_00008

Agilent

Certificate of Analysis
ISO Guide 34

2-Naphthylamine Standard

Product Number: EPA-1135 **Page:** 1 of 1

Lot Number: CS-5614 **Lot Issue Date:** 19-Nov-2018 **Expiration Date:** 31-Dec-2022

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-naphthylamine	000091-59-8	RM10617	1002 ± 5 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (15° to 30°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO Guide 34 Cert No. AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026 registered ISO 9001 Quality Managment System

ANAB ACCREDITED TESTING LABORATORY
ISO17025 Cert No. AT-1937

Reagent

sv712dimbenza_00015

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: 70411
Lot Number: 071320
Description: 7,12-Dimethylbenz(a)anthracene

Solvent(s): Methylene chloride **Lot#** 104929

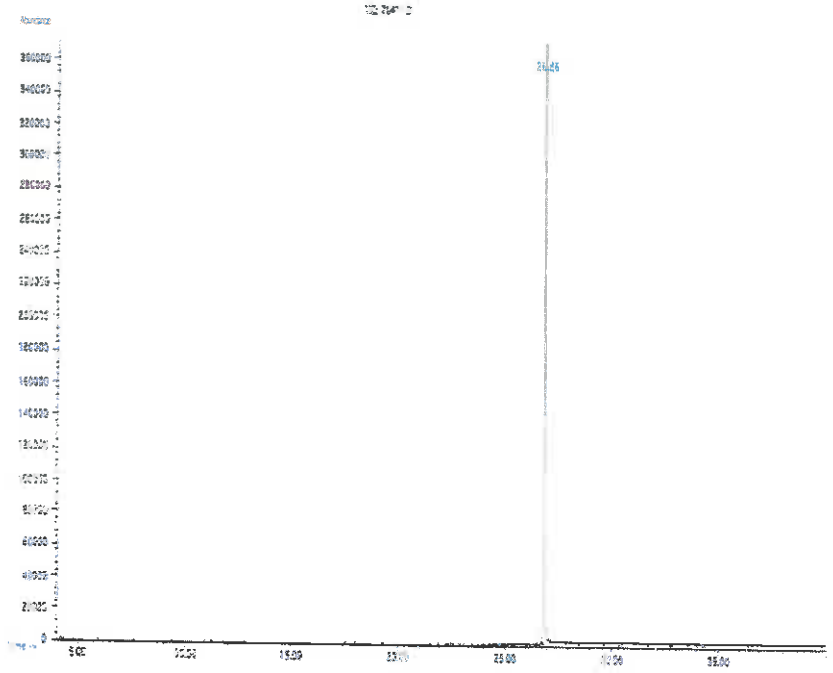
Expiration Date: 071325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

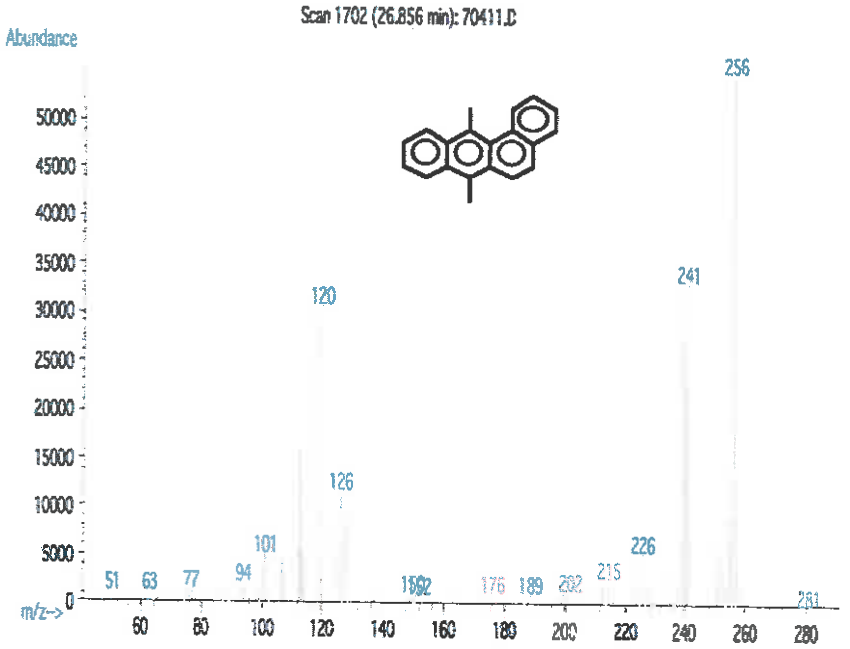
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.010 Flask Uncertainty

	071320
Formulated By: Justin Dippold	DATE
	071320
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. 7,12-Dimethylbenz(a)anthracene	411	GGR4E-DC	1000	98	0.2	0.05102	0.05115	1002.5	4.6	57-97-6	N/A	orl-rat 327mg/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 (9 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C, 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 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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0179662

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2023 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 (Lot SHBM9675) **Purity** 99%	1,003.2 µg/mL	+/- 5.8327 µg/mL +/- 11.9923 µg/mL +/- 19.0856 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 (Lot 210512JLM) **Purity** 99%	1,008.7 µg/mL	+/- 5.8645 µg/mL +/- 12.0577 µg/mL +/- 19.1896 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 (Lot SHBL0433) **Purity** 99%	2,012.7 µg/mL	+/- 11.7018 µg/mL +/- 24.0595 µg/mL +/- 38.2904 µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 (Lot MKCK1120) **Purity** 99%	1,004.1 µg/mL	+/- 5.8377 µg/mL +/- 12.0027 µg/mL +/- 19.1021 µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 (Lot X22F726) **Purity** 99%	1,004.5 µg/mL	+/- 5.8404 µg/mL +/- 12.0083 µg/mL +/- 19.1110 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 (Lot SHBL6942) **Purity** 99%	1,006.9 µg/mL	+/- 5.8544 µg/mL +/- 12.0369 µg/mL +/- 19.1566 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBM1113) **Purity** 99%	1,006.1 µg/mL	+/- 5.8497 µg/mL +/- 12.0274 µg/mL +/- 19.1414 µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane		1,008.2	µg/mL	+/- 5.8618	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 11955500)			+/- 12.0521	µg/mL	Unstressed
	Purity 99%				+/- 19.1807	µg/mL	Stressed
25	2,4-Dichlorophenol		1,001.5	µg/mL	+/- 5.8230	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/- 11.9724	µg/mL	Unstressed
	Purity 99%				+/- 19.0539	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,008.2	µg/mL	+/- 5.8618	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/- 12.0521	µg/mL	Unstressed
	Purity 99%				+/- 19.1807	µg/mL	Stressed
27	Naphthalene		1,006.8	µg/mL	+/- 5.8536	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/- 12.0353	µg/mL	Unstressed
	Purity 99%				+/- 19.1541	µg/mL	Stressed
28	2,6-Dichlorophenol		1,001.3	µg/mL	+/- 5.8218	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCK2863)			+/- 11.9700	µg/mL	Unstressed
	Purity 99%				+/- 19.0501	µg/mL	Stressed
29	4-Chloroaniline		1,005.7	µg/mL	+/- 5.8470	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot BCBJ1580V)			+/- 12.0218	µg/mL	Unstressed
	Purity 99%				+/- 19.1325	µg/mL	Stressed
30	Hexachlorobutadiene		1,005.3	µg/mL	+/- 5.8451	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/- 12.0178	µg/mL	Unstressed
	Purity 99%				+/- 19.1262	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,004.7	µg/mL	+/- 5.8416	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot BCCD4461)			+/- 12.0106	µg/mL	Unstressed
	Purity 99%				+/- 19.1148	µg/mL	Stressed
32	2-Methylnaphthalene		1,004.8	µg/mL	+/- 5.8420	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/- 12.0114	µg/mL	Unstressed
	Purity 96%				+/- 19.1160	µg/mL	Stressed
33	1-Methylnaphthalene		1,003.4	µg/mL	+/- 5.8339	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/- 11.9947	µg/mL	Unstressed
	Purity 99%				+/- 19.0894	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,004.0	µg/mL	+/- 5.8373	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot MKCG5992)			+/- 12.0019	µg/mL	Unstressed
	Purity 99%				+/- 19.1008	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,006.9	µg/mL	+/- 5.8540	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012020)			+/- 12.0361	µg/mL	Unstressed
	Purity 99%				+/- 19.1553	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,006.5	µg/mL	+/- 5.8517	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/- 12.0314	µg/mL	Unstressed
	Purity 99%				+/- 19.1477	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,005.4	µg/mL	+/- 5.8456	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/- 12.0188	µg/mL	Unstressed
	Purity 98%				+/- 19.1277	µg/mL	Stressed
38	2-Chloronaphthalene		1,007.5	µg/mL	+/- 5.8579	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot TWYRD)			+/- 12.0441	µg/mL	Unstressed
	Purity 99%				+/- 19.1680	µg/mL	Stressed
39	Biphenyl		1,001.7	µg/mL	+/- 5.8242	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCJ6240)			+/- 11.9748	µg/mL	Unstressed
	Purity 99%				+/- 19.0577	µg/mL	Stressed

56	4-Nitroaniline		1,009.2	µg/mL	+/-	5.8676	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP210713)			+/-	12.0640	µg/mL	Unstressed
	Purity 99%				+/-	19.1997	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,013.0	µg/mL	+/-	11.7038	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP211130)			+/-	24.0635	µg/mL	Unstressed
	Purity 99%				+/-	38.2967	µg/mL	Stressed
58	Diphenylamine		853.1	µg/mL	+/-	4.9598	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKCH1042)			+/-	10.1976	µg/mL	Unstressed
	Purity 99%				+/-	16.2293	µg/mL	Stressed
59	Azobenzene		1,004.7	µg/mL	+/-	5.8412	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	12.0098	µg/mL	Unstressed
	Purity 99%				+/-	19.1135	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,007.8	µg/mL	+/-	5.8594	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBB9729V)			+/-	12.0473	µg/mL	Unstressed
	Purity 99%				+/-	19.1731	µg/mL	Stressed
61	Hexachlorobenzene		1,007.1	µg/mL	+/-	5.8556	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot 12549300)			+/-	12.0393	µg/mL	Unstressed
	Purity 99%				+/-	19.1604	µg/mL	Stressed
62	Pentachlorophenol		2,008.2	µg/mL	+/-	11.6758	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 210706RSR)			+/-	24.0061	µg/mL	Unstressed
	Purity 99%				+/-	38.2054	µg/mL	Stressed
63	n-Octadecane (C18)		1,006.0	µg/mL	+/-	5.8491	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot VZKOJ)			+/-	12.0260	µg/mL	Unstressed
	Purity 97%				+/-	19.1392	µg/mL	Stressed
64	Phenanthrene		1,002.7	µg/mL	+/-	5.8296	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCL7390)			+/-	11.9859	µg/mL	Unstressed
	Purity 99%				+/-	19.0754	µg/mL	Stressed
65	Anthracene		1,008.1	µg/mL	+/-	5.8610	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCN0922)			+/-	12.0505	µg/mL	Unstressed
	Purity 99%				+/-	19.1782	µg/mL	Stressed
66	Carbazole		1,007.7	µg/mL	+/-	5.8587	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 12549400)			+/-	12.0457	µg/mL	Unstressed
	Purity 99%				+/-	19.1706	µg/mL	Stressed
67	Di-n-butylphthalate		1,008.4	µg/mL	+/-	5.8629	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCL9573)			+/-	12.0545	µg/mL	Unstressed
	Purity 99%				+/-	19.1845	µg/mL	Stressed
68	Fluoranthene		1,002.8	µg/mL	+/-	5.8304	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCQ4728)			+/-	11.9875	µg/mL	Unstressed
	Purity 99%				+/-	19.0780	µg/mL	Stressed
69	Pyrene		1,006.9	µg/mL	+/-	5.8540	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	12.0361	µg/mL	Unstressed
	Purity 99%				+/-	19.1553	µg/mL	Stressed
70	Benzyl butyl phthalate		1,006.8	µg/mL	+/-	5.8536	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCM1987)			+/-	12.0353	µg/mL	Unstressed
	Purity 99%				+/-	19.1541	µg/mL	Stressed
71	Benz(a)anthracene		1,002.5	µg/mL	+/-	5.8286	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP210125)			+/-	11.9839	µg/mL	Unstressed
	Purity 96%				+/-	19.0722	µg/mL	Stressed

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

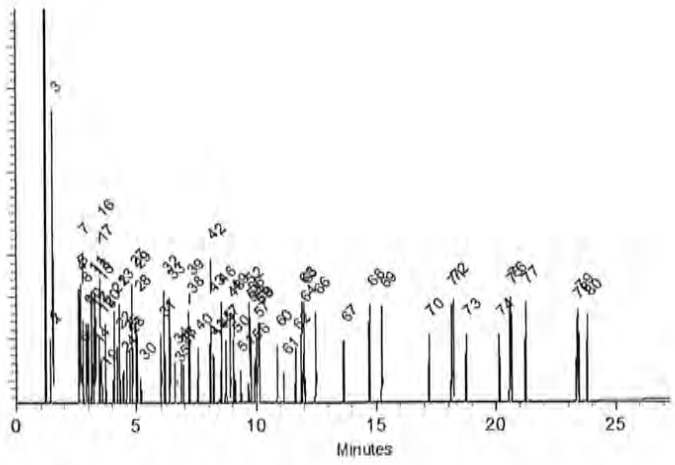
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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: 16-Dec-2021 **Balance:** 1128360905

John Lidgett - AD Chemist

Date Passed: 31-Jan-2022

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Certificate #FM 80397

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SVLIST1/STD11_00010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0179852

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2023 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzaldehyde **CAS #** 100-52-7 (Lot SHBJ3062) **Purity** 99%	2,000.4 µg/mL	+/- 11.6305 µg/mL +/- 39.9386 µg/mL +/- 89.6444 µg/mL	Gravimetric Unstressed Stressed
2	epsilon-Caprolactam **CAS #** 105-60-2 (Lot I16X016) **Purity** 99%	2,000.3 µg/mL	+/- 11.6299 µg/mL +/- 39.9366 µg/mL +/- 89.6400 µg/mL	Gravimetric Unstressed Stressed
3	Atrazine **CAS #** 1912-24-9 (Lot PI8FG) **Purity** 99%	2,000.6 µg/mL	+/- 11.6317 µg/mL +/- 39.9426 µg/mL +/- 89.6534 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

SVLIST1/STD9_00010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0179477

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2023 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine	2,004.5 µg/mL	+/- 11.6813	µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 210907JLM)		+/- 23.9750	µg/mL	Unstressed
	Purity 99%		+/- 38.1433	µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,018.8 µg/mL	+/- 11.7643	µg/mL	Gravimetric
	CAS # 91-94-1 (Lot 211116RSR)		+/- 24.1455	µg/mL	Unstressed
	Purity 99%		+/- 38.4144	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

SVLVIntstd_00012

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A0159166

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L., K=2)		
1	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99%	(Lot PR-30447)	2,004.0	µg/mL	+/- 11.6511 +/- 90.2591 +/- 100.1536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Naphthalene-d8 **CAS #** 1146-65-2 **Purity** 99%	(Lot M-1452)	2,004.9	µg/mL	+/- 11.6567 +/- 90.3019 +/- 100.2011	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Acenaphthene-d10 **CAS #** 15067-26-2 **Purity** 99%	(Lot PR-28021)	2,000.4	µg/mL	+/- 11.6302 +/- 90.0970 +/- 99.9737	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Phenanthrene-d10 **CAS #** 1517-22-2 **Purity** 99%	(Lot PR-29119)	2,004.5	µg/mL	+/- 11.6540 +/- 90.2816 +/- 100.1786	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Chrysene-d12 **CAS #** 1719-03-5 **Purity** 99%	(Lot PR-30486)	2,002.1	µg/mL	+/- 11.6401 +/- 90.1735 +/- 100.0587	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Perylene-d12 **CAS #** 1520-96-3 **Purity** 99%	(Lot PR-27342)	2,002.3	µg/mL	+/- 11.6413 +/- 90.1825 +/- 100.0687	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Reagent

SVLVSURSPK_00014

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0164104

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	5,030.3 µg/mL	+/- 29.2464 µg/mL +/- 146.8000 µg/mL +/- 178.1362 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d5 **CAS #** 4165-62-2 **Purity** 99%	(Lot CD-105)	5,023.7 µg/mL	+/- 29.2084 µg/mL +/- 146.6094 µg/mL +/- 177.9048 µg/mL		Gravimetric Unstressed Stressed
3	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940B)	5,047.2 µg/mL	+/- 29.3449 µg/mL +/- 147.2942 µg/mL +/- 178.7359 µg/mL		Gravimetric Unstressed Stressed
4	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00017945)	5,045.5 µg/mL	+/- 29.3348 µg/mL +/- 147.2436 µg/mL +/- 178.6745 µg/mL		Gravimetric Unstressed Stressed
5	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	5,004.7 µg/mL	+/- 29.0980 µg/mL +/- 146.0549 µg/mL +/- 177.2320 µg/mL		Gravimetric Unstressed Stressed
6	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-27278)	5,048.9 µg/mL	+/- 29.3545 µg/mL +/- 147.3429 µg/mL +/- 178.7949 µg/mL		Gravimetric Unstressed Stressed

Reagent

SVLVSURSPK_00021

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0180013

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBJ2508)	5,008.5 µg/mL	+/- 29.1200 µg/mL +/- 146.1658 µg/mL +/- 177.3666 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d5 **CAS #** 4165-62-2 **Purity** 99%	(Lot CD-105)	5,003.1 µg/mL	+/- 29.0886 µg/mL +/- 146.0082 µg/mL +/- 177.1753 µg/mL	Gravimetric Unstressed Stressed
3	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940B)	5,018.9 µg/mL	+/- 29.1801 µg/mL +/- 146.4674 µg/mL +/- 177.7325 µg/mL	Gravimetric Unstressed Stressed
4	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00019169)	5,007.7 µg/mL	+/- 29.1150 µg/mL +/- 146.1405 µg/mL +/- 177.3359 µg/mL	Gravimetric Unstressed Stressed
5	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	4,989.6 µg/mL	+/- 29.0100 µg/mL +/- 145.6133 µg/mL +/- 176.6961 µg/mL	Gravimetric Unstressed Stressed
6	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-30504)	5,037.2 µg/mL	+/- 29.2867 µg/mL +/- 147.0024 µg/mL +/- 178.3817 µg/mL	Gravimetric Unstressed Stressed

Reagent

svmethylmetha_00014

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

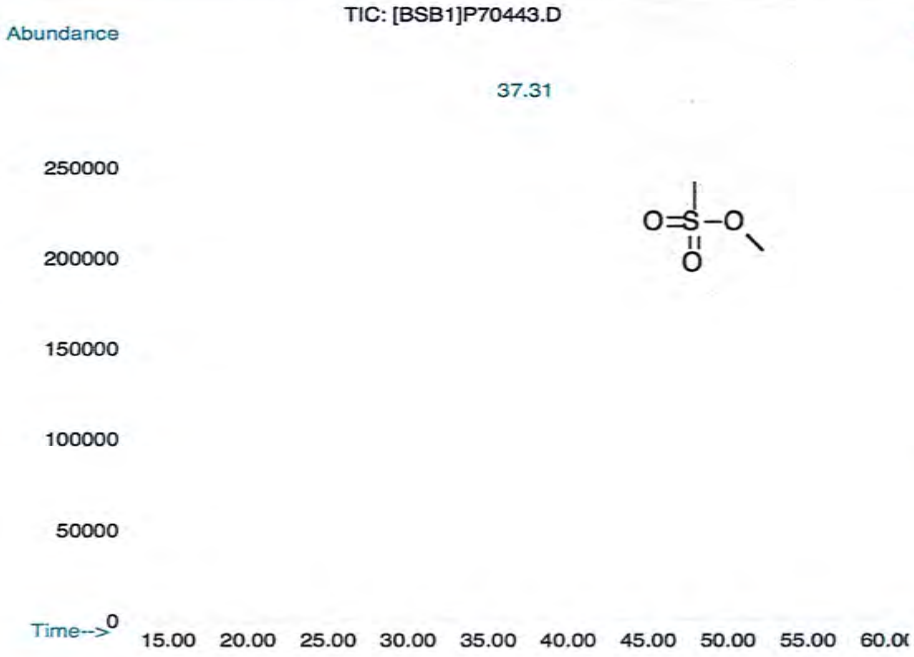
CERTIFIED WEIGHT REPORT

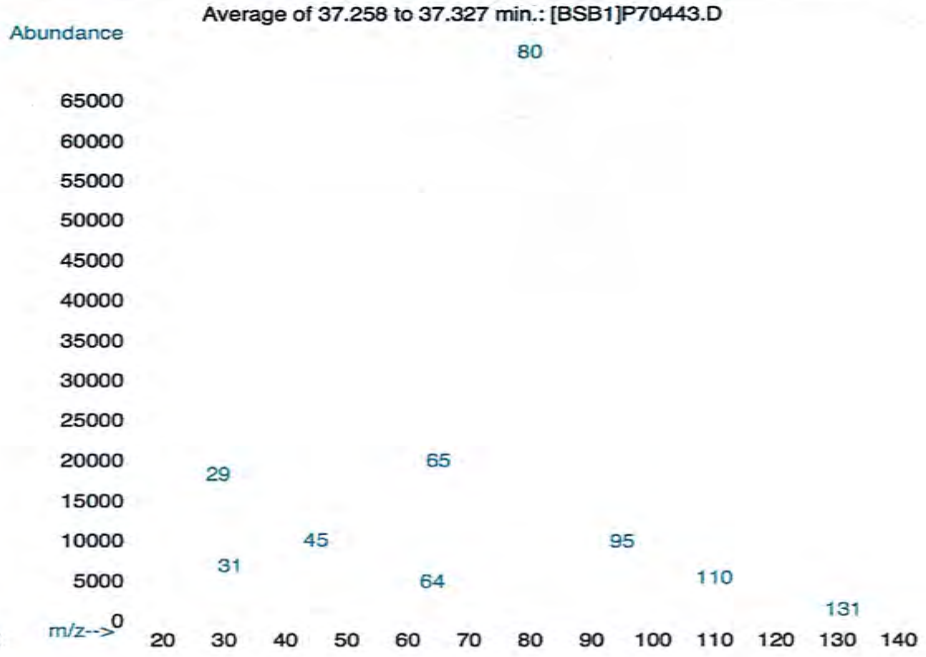
Part Number:	**70443**	**Solvent(s):**	**Lot#**
Lot Number:	122121	Methylene chloride	105345
Description:	Methyl methane sulfonate		
Expiration Date:	122126		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	25.0	0.001 Flask Uncertainty	

		122121
Formulated By:	Benson Chan	DATE
		122121
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. Methyl methane sulfonate	443	07322PW	1000	99	0.2	0.02525	0.02528	1001.1	5.7	66-27-3	N/A	ori-rat 225mg/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 Pedro Rentas.





- 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

SVNNITROPYROs_00022

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70451
Lot Number: 010816
Description: N-Nitrosopyrrolidine

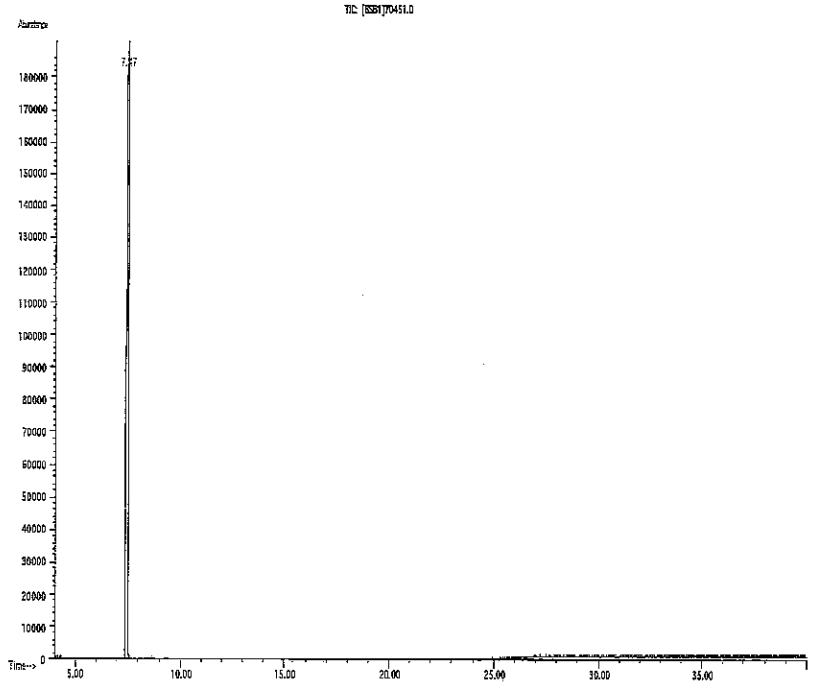
Solvent(s): **Lot#**
Methylene chloride 72062

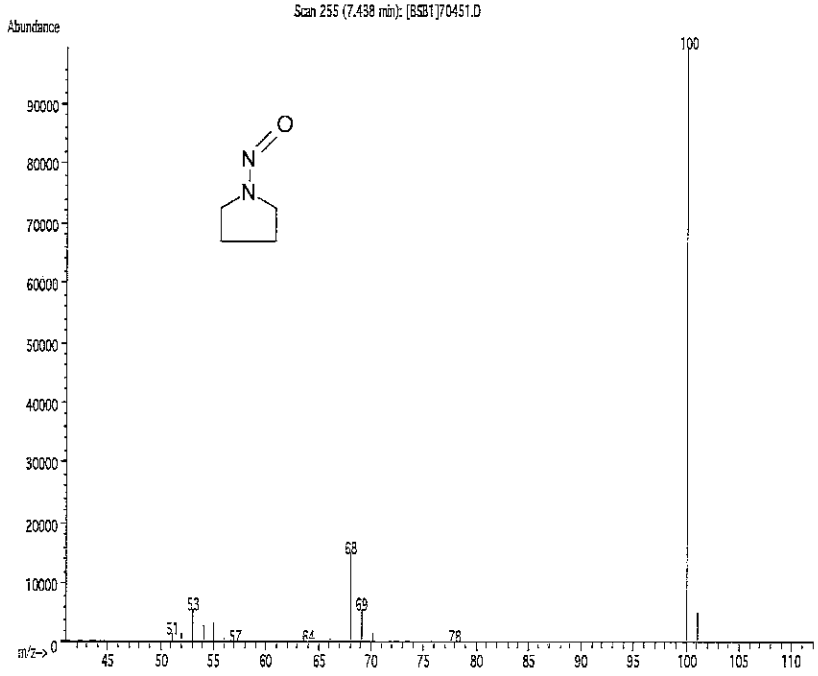
Expiration Date: 010819
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.001 Flask Uncertainty

Giovanni Esposito	010816
Formulated By: Giovanni Esposito	DATE
Pedro L. Rentas	010816
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)	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. N-Nitrosopyrrolidine	451	04025BM	1000	99	0.2	0.02525	0.02529	1001.6	5.7	930-55-2	N/A	orl-rat 900mg/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 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

svTCLPacids_00013

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. : 31027 **Lot No.:** A0165463

Description : TCLP Acid Mix

TCLP Acids Method 1311 Std 2000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 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	2-Methylphenol (o-cresol) **CAS #** 95-48-7 (Lot SHBH6379) **Purity** 99%	2,005.6 µg/mL	+/- 11.7700 µg/mL +/- 58.5520 µg/mL +/- 71.0421 µg/mL	Gravimetric Unstressed Stressed
2	3-Methylphenol (m-cresol) **CAS #** 108-39-4 (Lot SHBD0627V) **Purity** 99%	2,005.6 µg/mL	+/- 11.7700 µg/mL +/- 58.5520 µg/mL +/- 71.0421 µg/mL	Gravimetric Unstressed Stressed
3	4-Methylphenol (p-cresol) **CAS #** 106-44-5 (Lot 49396AP) **Purity** 99%	2,005.3 µg/mL	+/- 11.7682 µg/mL +/- 58.5432 µg/mL +/- 71.0315 µg/mL	Gravimetric Unstressed Stressed
4	2,4,5-Trichlorophenol **CAS #** 95-95-4 (Lot FHN01) **Purity** 98%	2,003.4 µg/mL	+/- 11.7572 µg/mL +/- 58.4882 µg/mL +/- 70.9646 µg/mL	Gravimetric Unstressed Stressed
5	2,4,6-Trichlorophenol **CAS #** 88-06-2 (Lot STBH7520) **Purity** 99%	2,005.4 µg/mL	+/- 11.7688 µg/mL +/- 58.5462 µg/mL +/- 71.0350 µg/mL	Gravimetric Unstressed Stressed
6	Pentachlorophenol **CAS #** 87-86-5 (Lot 200609JLM) **Purity** 99%	2,004.1 µg/mL	+/- 11.7612 µg/mL +/- 58.5082 µg/mL +/- 70.9889 µg/mL	Gravimetric Unstressed Stressed

Reagent

svTCLPbns_00011

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31028 **Lot No.:** A0158475

Description : TCLP B/N Mix

TCLP B/N Mix 2000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2023 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CT# 363144Y – 363146Y

SS 3/16/22

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Pyridine **CAS #** 110-86-1 (Lot SHBK6453) **Purity** 99%	2,012.0 µg/mL	+/- 11.8075 µg/mL +/- 99.5423 µg/mL +/- 102.0168 µg/mL	Gravimetric Unstressed Stressed
2	1,4-Dichlorobenzene **CAS #** 106-46-7 (Lot MKBS4401V) **Purity** 99%	2,006.0 µg/mL	+/- 11.7723 µg/mL +/- 99.2454 µg/mL +/- 101.7126 µg/mL	Gravimetric Unstressed Stressed
3	Hexachloroethane **CAS #** 67-72-1 (Lot ENSIK) **Purity** 99%	2,011.0 µg/mL	+/- 11.8017 µg/mL +/- 99.4928 µg/mL +/- 101.9661 µg/mL	Gravimetric Unstressed Stressed
4	Nitrobenzene **CAS #** 98-95-3 (Lot MKCK4267) **Purity** 99%	2,005.0 µg/mL	+/- 11.7665 µg/mL +/- 99.1959 µg/mL +/- 101.6619 µg/mL	Gravimetric Unstressed Stressed
5	Hexachlorobutadiene **CAS #** 87-68-3 (Lot J31X013) **Purity** 98%	2,000.2 µg/mL	+/- 11.7382 µg/mL +/- 98.9575 µg/mL +/- 101.4175 µg/mL	Gravimetric Unstressed Stressed
6	2,4-Dinitrotoluene **CAS #** 121-14-2 (Lot MKAA0690V) **Purity** 99%	2,007.0 µg/mL	+/- 11.7782 µg/mL +/- 99.2949 µg/mL +/- 101.7633 µg/mL	Gravimetric Unstressed Stressed
7	Hexachlorobenzene **CAS #** 118-74-1 (Lot LC19614V) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 99.3444 µg/mL +/- 101.8140 µg/mL	Gravimetric Unstressed Stressed

Reagent

SVTUNINGMIXs_00009

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0178508

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 210706RSR) **Purity** 99%	1,005.2 µg/mL	+/- 5.8991 µg/mL +/- 45.7861 µg/mL +/- 66.1089 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,003.6 µg/mL	+/- 5.8896 µg/mL +/- 45.7123 µg/mL +/- 66.0023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 210907JLM) **Purity** 99%	1,000.0 µg/mL	+/- 5.8686 µg/mL +/- 45.5492 µg/mL +/- 65.7669 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

TA-ICP-ICSAB1_00002

4410733
ID: TA-ICP-ICSAB1_00002
Exp: 01/22/23 Prpd: RJG
ICP ICSAB MIX #1

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSAB-1

ICP ICSAB Mix Solution 1

Lot #: 1115088-1

Matrix: 5% HNO_3/0.5% HF

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Mo	100.2 ± 0.5 mg/L	Si	1000 ± 5 mg/L	Ti	100.3 ± 0.5 mg/L
Sb	100.2 ± 0.5 mg/L	Sn	100.3 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Mo	175215	Si	1004987	Ti	983035
Sb	987317	Sn	1025087		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3), hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

July 22, 2021
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Quality Manual Rev: No. 7, July 24, 2019

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

TA-ICP-ICSAB2_00002

CPI INTERNATIONAL

4410794
ID: TA-ICP-ICSAB2_00002
Exp: 01/22/23 Prpd: RJG
ICP ICSAB MIX#2

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSAB-2

ICP ICSAB Mix Solution 2

Lot #: 1133580-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Ag	99.98 ± 0.50 mg/L	Cr	99.99 ± 0.50 mg/L	Pb	100.1 ± 0.5 mg/L
As	100.0 ± 0.5 mg/L	Cu	99.99 ± 0.50 mg/L	Se	99.97 ± 0.50 mg/L
B	1000 ± 5 mg/L	K	999.8 ± 5.0 mg/L	Sr	100.1 ± 0.5 mg/L
Ba	99.98 ± 0.50 mg/L	Mn	99.99 ± 0.50 mg/L	Tl	100.1 ± 0.5 mg/L
Be	49.95 ± 0.25 mg/L	Na	999.7 ± 5.0 mg/L	V	99.95 ± 0.50 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	99.96 ± 0.50 mg/L	Zn	99.93 ± 0.50 mg/L
Co	100.0 ± 0.5 mg/L	P	1001 ± 5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Ag	983032	Cr	880115	Pb	1035677
As	981756	Cu	982824	Se	929078
B	999861R	K	1073557	Sr	1065634
Ba	150283R	Mn	985851	Tl	1059794
Be	989234	Na	1122654	V	1035777
Cd	983033	Ni	752769	Zn	1025267
Co	979870	P	1107349		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

July 22, 2021
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Quality Manual Rev: No. 8, February 10, 2021

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

TA-SPIKE1_00019

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-SPIKE1+

Spike Mix # 1

Lot #: 1192513-1

Matrix: 5% HNO_3/tr. HF

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	200.0 ± 1.0 mg/L	Li	100.0 ± 0.5 mg/L	Sn	200.0 ± 1.0 mg/L
Ba	200.0 ± 1.0 mg/L	Mn	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Ti	99.99 ± 0.50 mg/L
Cd	99.98 ± 0.50 mg/L	Ni	100.0 ± 0.5 mg/L	Tl	200.0 ± 1.0 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cr	99.98 ± 0.50 mg/L	Se	200.0 ± 1.0 mg/L		
Cu	100.0 ± 0.5 mg/L	Si	200.0 ± 1.0 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	992330R	Li	1062674	Sn	1031164
Ba	994427	Mn	985946	Sr	1123614
Be	660983	Mo	1053256	Ti	1095555
Cd	173172	Ni	1070210R	Tl	1059794
Co	983064	Pb	983061	V	1035777
Cr	1099019	Se	993619		
Cu	1140336R	Si	1004988		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see last page)**. The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

USA
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F: 707.545.7901
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Europe
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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

April 7, 2022
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

TA-SPIKE2_00016

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-SPIKE2

Spike Mix # 2

Lot #: 1197884-2

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Mg	5000 ± 25 mg/L
Ca	5000 ± 25 mg/L	K	5000 ± 25 mg/L	Na	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1077624	Fe	1114543	Mg	1075231
Ca	1121798	K	1156013	Na	1122654

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**.This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 8, 2022
Certification Date

USA
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Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

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- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

TA-Spike3 INT_00013

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CM-MAY19-PIT1

TA-Spike3INT

Lot #: 1246880

Matrix: 5% HNO_3/tr. HF

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Ag	50.03 ± 0.50 µg/mL	Sb	50.02 ± 0.50 µg/mL
B	250.1 ± 1.3 µg/mL	Zn	50.00 ± 0.50 µg/mL

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
Ag	983032	Sb	1162568
B	1121434	Zn	1149838

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was diluted with filtered (0.22 µm), 18 M-ohm deionized water and stabilized the appropriate high-purity acid(s) as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

April 22, 2022
Certification Date

USA
5580 Skylane Boulevard P: 707.525.5788
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F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

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- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

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Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

TECHCHLORDANE_00004

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. : 571052-FL **Lot No.:** A0137638

Description : Chlordane Standard

Chlordane Standard 5,000µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlordane **CAS #** 57-74-9 (Lot 142990) **Purity** -----%	5,040.0 µg/mL	+/- 29.5775 µg/mL +/- 159.7376 µg/mL +/- 208.6704 µg/mL	Gravimetric Unstressed Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Specific Reference Material Notes:
This material may be reported as technical chlordane, with CAS number 12789-03-6

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

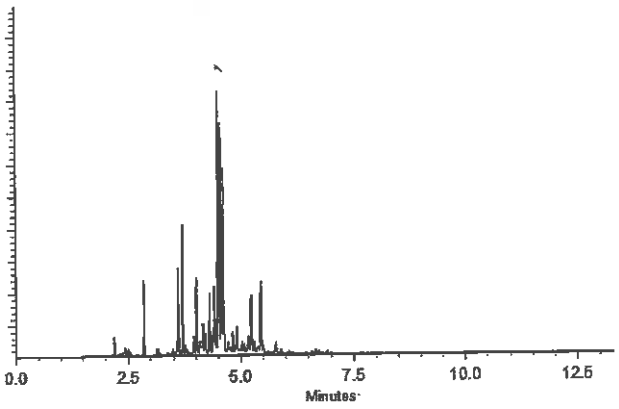
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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.

Joseph Jaglowski - Mix Technician

Date Mixed: 01-May-2018 **Balance:** B345965662

Justine Albertson - Operations Tech-ARM QC

Date Passed: 02-May-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

TECHCHLORDANE_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 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. : 571052-SL **Lot No.:** A0137977

Description : Chlordane Standard

Chlordane Standard 5,000µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane		5,030.2 µg/mL	+/- 29.5200	µg/mL	Gravimetric
	CAS # 57-74-9	(Lot 142990)		+/- 159.4270	µg/mL	Unstressed
	Purity ----%			+/- 208.2647	µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Specific Reference Material Notes:
This material may be reported as technical chlordane, with CAS number 12789-03-6

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

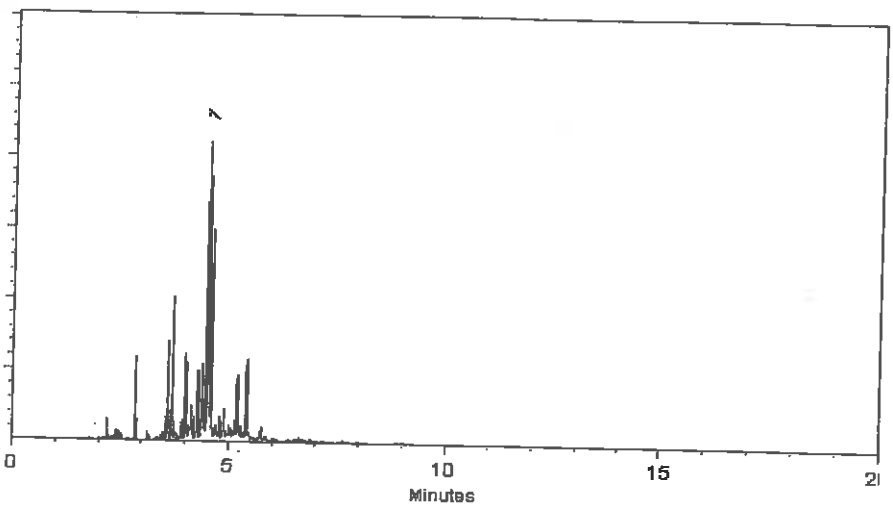
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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.

Jesse King - Mtc Technician

Date Mixed: 11-May-2018 **Balance:** B251644995

Jennifer Polling - Operations Tech-ARM QC

Date Passed: 15-May-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0180996

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,507.5 µg/mL	+/- 19.0422 µg/mL +/- 141.1274 µg/mL +/- 144.4050 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBK6571) **Purity** 99%	2,501.5 µg/mL	+/- 22.4067 µg/mL +/- 141.2875 µg/mL +/- 144.5458 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00015559) **Purity** 99%	2,506.5 µg/mL	+/- 18.7696 µg/mL +/- 141.0323 µg/mL +/- 144.3093 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot 00019375) **Purity** 99%	2,501.8 µg/mL	+/- 21.1436 µg/mL +/- 141.1125 µg/mL +/- 144.3757 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,507.4 µg/mL	+/- 18.9803 µg/mL +/- 141.1124 µg/mL +/- 144.3900 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,509.3 µg/mL	+/- 18.7908 µg/mL +/- 141.1921 µg/mL +/- 144.4728 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 12841600) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,510.8	µg/mL	+/-	20.2030	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCL8411)			+/-	141.4703	µg/mL	Unstressed
	Purity 99%				+/-	144.7486	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)

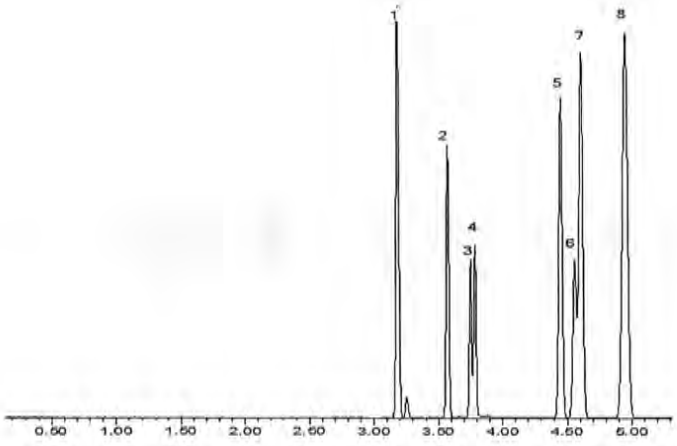
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline
Miranda Kline - Operations Technician I

Date Mixed: 25-Jan-2022 **Balance:** B707717271

Feng-Yun Lo - GC Analyst

Date Passed: 28-Jan-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0180996

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,507.5 µg/mL	+/- 19.0422 µg/mL +/- 141.1274 µg/mL +/- 144.4050 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBK6571) **Purity** 99%	2,501.5 µg/mL	+/- 22.4067 µg/mL +/- 141.2875 µg/mL +/- 144.5458 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00015559) **Purity** 99%	2,506.5 µg/mL	+/- 18.7696 µg/mL +/- 141.0323 µg/mL +/- 144.3093 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot 00019375) **Purity** 99%	2,501.8 µg/mL	+/- 21.1436 µg/mL +/- 141.1125 µg/mL +/- 144.3757 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,507.4 µg/mL	+/- 18.9803 µg/mL +/- 141.1124 µg/mL +/- 144.3900 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,509.3 µg/mL	+/- 18.7908 µg/mL +/- 141.1921 µg/mL +/- 144.4728 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 12841600) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,510.8	µg/mL	+/-	20.2030	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCL8411)			+/-	141.4703	µg/mL	Unstressed
	Purity 99%				+/-	144.7486	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)

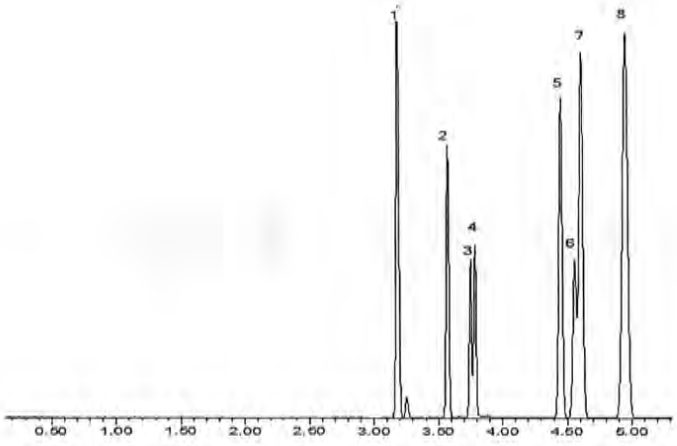
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline
Miranda Kline - Operations Technician I

Date Mixed: 25-Jan-2022 **Balance:** B707717271

Feng-Yun Lo - GC Analyst

Date Passed: 28-Jan-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0172729

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butyl-d9-alcohol **CAS #** 25725-11-5 (Lot CD-107) **Purity** 99%	5,000.7 µg/mL	+/- 29.0730 µg/mL +/- 107.0652 µg/mL +/- 110.1778 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone-d5 **CAS #** 24313-50-6 (Lot M-276) **Purity** 99%	1,250.3 µg/mL	+/- 7.2695 µg/mL +/- 26.7698 µg/mL +/- 27.5480 µg/mL	Gravimetric Unstressed Stressed
3	Fluorobenzene **CAS #** 462-06-6 (Lot BCBZ5549) **Purity** 99%	250.6 µg/mL	+/- 1.4604 µg/mL +/- 5.3663 µg/mL +/- 5.5222 µg/mL	Gravimetric Unstressed Stressed
4	1,4-Dioxane-d8 **CAS #** 17647-74-4 (Lot RP210421V) **Purity** 99%	5,000.9 µg/mL	+/- 29.0740 µg/mL +/- 107.0687 µg/mL +/- 110.1814 µg/mL	Gravimetric Unstressed Stressed
5	Chlorobenzene-d5 **CAS #** 3114-55-4 (Lot PR-29571) **Purity** 99%	250.8 µg/mL	+/- 1.4615 µg/mL +/- 5.3706 µg/mL +/- 5.5267 µg/mL	Gravimetric Unstressed Stressed
6	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 (Lot PR-30447) **Purity** 99%	250.4 µg/mL	+/- 1.4590 µg/mL +/- 5.3613 µg/mL +/- 5.5171 µg/mL	Gravimetric Unstressed Stressed

Reagent

VOA8260INTRES_00201

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0172729

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butyl-d9-alcohol **CAS #** 25725-11-5 (Lot CD-107) **Purity** 99%	5,000.7 µg/mL	+/- 29.0730 µg/mL +/- 107.0652 µg/mL +/- 110.1778 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone-d5 **CAS #** 24313-50-6 (Lot M-276) **Purity** 99%	1,250.3 µg/mL	+/- 7.2695 µg/mL +/- 26.7698 µg/mL +/- 27.5480 µg/mL	Gravimetric Unstressed Stressed
3	Fluorobenzene **CAS #** 462-06-6 (Lot BCBZ5549) **Purity** 99%	250.6 µg/mL	+/- 1.4604 µg/mL +/- 5.3663 µg/mL +/- 5.5222 µg/mL	Gravimetric Unstressed Stressed
4	1,4-Dioxane-d8 **CAS #** 17647-74-4 (Lot RP210421V) **Purity** 99%	5,000.9 µg/mL	+/- 29.0740 µg/mL +/- 107.0687 µg/mL +/- 110.1814 µg/mL	Gravimetric Unstressed Stressed
5	Chlorobenzene-d5 **CAS #** 3114-55-4 (Lot PR-29571) **Purity** 99%	250.8 µg/mL	+/- 1.4615 µg/mL +/- 5.3706 µg/mL +/- 5.5267 µg/mL	Gravimetric Unstressed Stressed
6	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 (Lot PR-30447) **Purity** 99%	250.4 µg/mL	+/- 1.4590 µg/mL +/- 5.3613 µg/mL +/- 5.5171 µg/mL	Gravimetric Unstressed Stressed

Reagent

VOA8260KET1ST_00166

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 (Lot SHBN3661) **Purity** 99%	12,526.4 µg/mL	+/- 73.3448 µg/mL +/- 755.8230 µg/mL +/- 757.6173 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 (Lot SHBL5543) **Purity** 99%	12,543.6 µg/mL	+/- 73.4455 µg/mL +/- 756.8609 µg/mL +/- 758.6575 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 (Lot SHBM7956) **Purity** 99%	12,534.8 µg/mL	+/- 73.3940 µg/mL +/- 756.3299 µg/mL +/- 758.1253 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 (Lot MKCL1599) **Purity** 99%	12,617.6 µg/mL	+/- 73.8788 µg/mL +/- 761.3259 µg/mL +/- 763.1332 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VOA8260KET1ST_00171

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0180742

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 (Lot MKCP0755) **Purity** 99%	12,524.0 µg/mL	+/- 73.3308 µg/mL +/- 755.6782 µg/mL +/- 757.4721 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 (Lot SHBN2844) **Purity** 99%	12,529.5 µg/mL	+/- 73.3630 µg/mL +/- 756.0101 µg/mL +/- 757.8048 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 (Lot SHBN3601) **Purity** 99%	12,541.5 µg/mL	+/- 73.4332 µg/mL +/- 756.7342 µg/mL +/- 758.5305 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 (Lot MKCL1599) **Purity** 99%	12,548.0 µg/mL	+/- 73.4713 µg/mL +/- 757.1264 µg/mL +/- 758.9237 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VOA8260MEGA1_00119

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0159680

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBK7710) **Purity** 99%	2,518.8 µg/mL	+/- 14.6442 µg/mL +/- 151.9673 µg/mL +/- 152.3281 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,523.8 µg/mL	+/- 14.6733 µg/mL +/- 152.2690 µg/mL +/- 152.6305 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBK2437) **Purity** 99%	2,517.5 µg/mL	+/- 14.6370 µg/mL +/- 151.8919 µg/mL +/- 152.2525 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBL0592) **Purity** 99%	25,122.1 µg/mL	+/- 146.0546 µg/mL +/- 1,515.7284 µg/mL +/- 1,519.3270 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBK5436) **Purity** 99%	5,041.4 µg/mL	+/- 29.3110 µg/mL +/- 304.1685 µg/mL +/- 304.8906 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot D4406-0122JM) **Purity** 99%	2,520.5 µg/mL	+/- 14.6544 µg/mL +/- 152.0729 µg/mL +/- 152.4340 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot 191118KJ) **Purity** 99%	2,521.0 µg/mL	+/- 14.6573 µg/mL +/- 152.1031 µg/mL +/- 152.4642 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2 **Purity** 99%	(Lot SHBL3107)	2,518.6	µg/mL	+/- 14.6435 +/- 151.9598 +/- 152.3206	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0 **Purity** 99%	(Lot U22D706)	2,521.9	µg/mL	+/- 14.6624 +/- 152.1559 +/- 152.5171	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1 **Purity** 99%	(Lot A0387097)	25,178.5	µg/mL	+/- 146.3823 +/- 1,519.1297 +/- 1,522.7364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4 **Purity** 99%	(Lot SHBL0822)	2,513.9	µg/mL	+/- 14.6159 +/- 151.6732 +/- 152.0333	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2 **Purity** 99%	(Lot MKCK1803)	2,517.3	µg/mL	+/- 14.6355 +/- 151.8768 +/- 152.2374	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3 **Purity** 99%	(Lot SHBL0924)	2,521.1	µg/mL	+/- 14.6580 +/- 152.1106 +/- 152.4718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3 **Purity** 99%	(Lot 580900)	2,524.5	µg/mL	+/- 14.6777 +/- 152.3143 +/- 152.6759	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7 **Purity** 98%	(Lot BCBX0066)	2,523.0	µg/mL	+/- 14.6690 +/- 152.2244 +/- 152.5858	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5 **Purity** 99%	(Lot MKBH9850V)	2,523.8	µg/mL	+/- 14.6733 +/- 152.2690 +/- 152.6305	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1 **Purity** 99%	(Lot SHBK0551)	62,671.0	µg/mL	+/- 364.3555 +/- 3,781.2173 +/- 3,790.1946	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	chloroform **CAS #** 67-66-3 **Purity** 99%	(Lot SHBL6923)	2,524.3	µg/mL	+/- 14.6762 +/- 152.2992 +/- 152.6608	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5 **Purity** 98%	(Lot 00008541)	2,516.6	µg/mL	+/- 14.6320 +/- 151.8400 +/- 152.2005	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9 **Purity** 99%	(Lot SHBJ6179)	5,045.5	µg/mL	+/- 29.3350 +/- 304.4174 +/- 305.1401	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-trichloroethane **CAS #** 71-55-6 **Purity** 98%	(Lot 190123CG)	2,514.9	µg/mL	+/- 14.6220 +/- 151.7366 +/- 152.0968	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7 **Purity** 99%	(Lot MKCF5831)	2,521.5	µg/mL	+/- 14.6602 +/- 152.1333 +/- 152.4945	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6 **Purity** 99%	(Lot 190919JLM)	2,522.3	µg/mL	+/- 14.6646 +/- 152.1785 +/- 152.5398	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	carbon tetrachloride		2,523.6 µg/mL	+/- 14.6726	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBG8938V)		+/- 152.2615	µg/mL	Unstressed
	Purity 99%			+/- 152.6230	µg/mL	Stressed
25	n-Heptane (C7)		2,515.8 µg/mL	+/- 14.6270	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBK8626)		+/- 151.7883	µg/mL	Unstressed
	Purity 98%			+/- 152.1487	µg/mL	Stressed
26	1,2-Dichloroethane		2,522.6 µg/mL	+/- 14.6668	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCH9948)		+/- 152.2011	µg/mL	Unstressed
	Purity 99%			+/- 152.5625	µg/mL	Stressed
27	Benzene		2,514.6 µg/mL	+/- 14.6202	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBL4231)		+/- 151.7185	µg/mL	Unstressed
	Purity 99%			+/- 152.0787	µg/mL	Stressed
28	Trichloroethene		2,512.9 µg/mL	+/- 14.6101	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBJ4611)		+/- 151.6129	µg/mL	Unstressed
	Purity 99%			+/- 151.9728	µg/mL	Stressed
29	Methylcyclohexane		2,517.4 µg/mL	+/- 14.6362	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBJ0457)		+/- 151.8844	µg/mL	Unstressed
	Purity 99%			+/- 152.2450	µg/mL	Stressed
30	1,2-Dichloropropane		2,519.5 µg/mL	+/- 14.6486	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)		+/- 152.0126	µg/mL	Unstressed
	Purity 99%			+/- 152.3735	µg/mL	Stressed
31	1,4-Dioxane		50,250.0 µg/mL	+/- 292.1426	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBL3022)		+/- 3,031.8037	µg/mL	Unstressed
	Purity 99%			+/- 3,039.0017	µg/mL	Stressed
32	Dibromomethane		2,523.5 µg/mL	+/- 14.6718	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)		+/- 152.2539	µg/mL	Unstressed
	Purity 99%			+/- 152.6154	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,523.0 µg/mL	+/- 14.6689	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot 200107JLM)		+/- 152.2238	µg/mL	Unstressed
	Purity 99%			+/- 152.5852	µg/mL	Stressed
34	Toluene		2,523.3 µg/mL	+/- 14.6704	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCH9232)		+/- 152.2389	µg/mL	Unstressed
	Purity 99%			+/- 152.6003	µg/mL	Stressed
35	Ethyl methacrylate		2,515.4 µg/mL	+/- 14.6246	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot SHBF9649V)		+/- 151.7637	µg/mL	Unstressed
	Purity 99%			+/- 152.1240	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,521.1 µg/mL	+/- 14.6576	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot 19420164-D1119)		+/- 152.1061	µg/mL	Unstressed
	Purity 98%			+/- 152.4672	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,515.8 µg/mL	+/- 14.6268	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)		+/- 151.7863	µg/mL	Unstressed
	Purity 99%			+/- 152.1467	µg/mL	Stressed
38	1,3-Dichloropropane		2,518.8 µg/mL	+/- 14.6442	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)		+/- 151.9673	µg/mL	Unstressed
	Purity 99%			+/- 152.3281	µg/mL	Stressed
39	Tetrachloroethene		2,513.1 µg/mL	+/- 14.6115	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)		+/- 151.6280	µg/mL	Unstressed
	Purity 99%			+/- 151.9880	µg/mL	Stressed

40	dibromochloromethane **CAS #** 124-48-1 **Purity** 99%	(Lot MKCK6472)	2,513.5	µg/mL	+/- 14.6137 +/- 151.6506 +/- 152.0106	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4 **Purity** 99%	(Lot BCBH3877V)	2,521.9	µg/mL	+/- 14.6624 +/- 152.1559 +/- 152.5171	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7 **Purity** 99%	(Lot SHBJ0839)	2,521.0	µg/mL	+/- 14.6573 +/- 152.1031 +/- 152.4642	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBL0265)	1,257.9	µg/mL	+/- 7.3134 +/- 75.8932 +/- 76.0734	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3 **Purity** 99%	(Lot SHBJ7329)	1,260.0	µg/mL	+/- 7.3257 +/- 76.0214 +/- 76.2019	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBL0706)	2,521.1	µg/mL	+/- 14.6580 +/- 152.1106 +/- 152.4718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6 **Purity** 98%	(Lot GC01)	2,515.5	µg/mL	+/- 14.6256 +/- 151.7735 +/- 152.1339	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6 **Purity** 99%	(Lot SHBK7739)	2,517.9	µg/mL	+/- 14.6391 +/- 151.9146 +/- 152.2752	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5 **Purity** 99%	(Lot MKCG7519)	2,516.0	µg/mL	+/- 14.6282 +/- 151.8014 +/- 152.1618	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8 **Purity** 99%	(Lot P15E008)	2,516.8	µg/mL	+/- 14.6326 +/- 151.8467 +/- 152.2072	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform **CAS #** 75-25-2 **Purity** 99%	(Lot SHBJ4835)	2,518.4	µg/mL	+/- 14.6420 +/- 151.9447 +/- 152.3055	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane **CAS #** 75-27-4 **Purity** 99%	(Lot MKCJ0238)	2,523.3	µg/mL	+/- 14.6704 +/- 152.2389 +/- 152.6003	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5 **Purity** 99%	(Lot CFA4D)	2,520.9	µg/mL	+/- 14.6566 +/- 152.0956 +/- 152.4567	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4 **Purity** 99%	(Lot BCBH8722V)	2,520.3	µg/mL	+/- 14.6530 +/- 152.0579 +/- 152.4189	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene **CAS #** 110-57-6 **Purity** 95%	(Lot MKBZ5026V)	2,511.8	µg/mL	+/- 14.6038 +/- 151.5480 +/- 151.9078	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1 **Purity** 99%	(Lot MKCG9378)	2,518.3	µg/mL	+/- 14.6413 +/- 151.9372 +/- 152.2979	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene **CAS #** 108-86-1 **Purity** 99%	(Lot WXBC5147V)	2,520.1 µg/mL	+/- 14.6522 +/- 152.0503 +/- 152.4113	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene **CAS #** 108-67-8 **Purity** 99%	(Lot BCBZ6781)	2,519.4 µg/mL	+/- 14.6479 +/- 152.0051 +/- 152.3659	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene **CAS #** 95-49-8 **Purity** 99%	(Lot MKCF5243)	2,519.4 µg/mL	+/- 14.6479 +/- 152.0051 +/- 152.3659	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene **CAS #** 106-43-4 **Purity** 99%	(Lot MKCC8496)	2,518.8 µg/mL	+/- 14.6442 +/- 151.9673 +/- 152.3281	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene **CAS #** 98-06-6 **Purity** 99%	(Lot STBD6954V)	2,518.6 µg/mL	+/- 14.6435 +/- 151.9598 +/- 152.3206	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene **CAS #** 95-63-6 **Purity** 99%	(Lot WXBC4246V)	2,522.0 µg/mL	+/- 14.6631 +/- 152.1634 +/- 152.5247	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene **CAS #** 135-98-8 **Purity** 99%	(Lot MKCG5431)	2,519.8 µg/mL	+/- 14.6500 +/- 152.0277 +/- 152.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) **CAS #** 99-87-6 **Purity** 99%	(Lot MKCJ9905)	2,521.5 µg/mL	+/- 14.6602 +/- 152.1333 +/- 152.4945	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBQ7100V)	2,517.6 µg/mL	+/- 14.6377 +/- 151.8995 +/- 152.2601	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	2,520.3 µg/mL	+/- 14.6530 +/- 152.0579 +/- 152.4189	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene **CAS #** 104-51-8 **Purity** 99%	(Lot 09804AE)	2,523.9 µg/mL	+/- 14.6740 +/- 152.2766 +/- 152.6381	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBK7741)	2,514.4 µg/mL	+/- 14.6188 +/- 151.7034 +/- 152.0636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane **CAS #** 96-12-8 **Purity** 97%	(Lot FBL01)	2,510.7 µg/mL	+/- 14.5976 +/- 151.4831 +/- 151.8427	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBJ9215)	2,521.6 µg/mL	+/- 14.6609 +/- 152.1408 +/- 152.5020	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 98%	(Lot J31X013)	2,517.0 µg/mL	+/- 14.6341 +/- 151.8622 +/- 152.2228	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBZ8680V)	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene		2,519.3	µg/mL	+/-	14.6471	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	151.9975	µg/mL	Unstressed
	Purity 99%				+/-	152.3584	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)

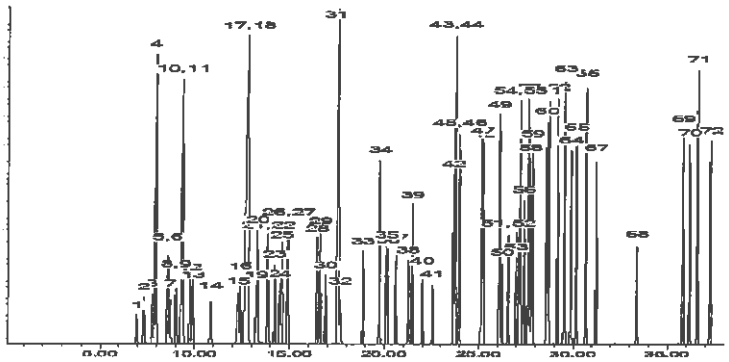
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 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: 07-Apr-2020 **Balance:** B707717271

Fang-Yun Lo - QC Analyst

Date Passed: 13-Apr-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VOA8260MEGA1_00125

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 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	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBN4280) **Purity** 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RD211021) **Purity** 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBP1417)			+/-	151.6355	µg/mL	Unstressed
	Purity 99%				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide		2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	151.4470	µg/mL	Unstressed
	Purity 99%				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile		25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	1,514.5670	µg/mL	Unstressed
	Purity 99%				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKCP7830)			+/-	151.7486	µg/mL	Unstressed
	Purity 99%				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6)		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 760200)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot RD211103)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot 098794J01H)			+/-	3,778.9321	µg/mL	Unstressed
	Purity 99%				+/-	3,787.9040	µg/mL	Stressed
18	chloroform		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBN8469)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane		2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	151.8618	µg/mL	Unstressed
	Purity 99%				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran		5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBN3757)			+/-	303.8517	µg/mL	Unstressed
	Purity 99%				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane		2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	151.4168	µg/mL	Unstressed
	Purity 99%				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed

24	carbon tetrachloride **CAS #** 56-23-5 **Purity** 99%	(Lot SHBL8097)	2,513.5	µg/mL	+/- 14.6137 +/- 151.6506 +/- 152.0106	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5 **Purity** 99%	(Lot SGBL9221)	2,511.4	µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2 **Purity** 99%	(Lot MKCN9758)	2,514.4	µg/mL	+/- 14.6188 +/- 151.7034 +/- 152.0636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2 **Purity** 99%	(Lot MKCM9242)	2,509.3	µg/mL	+/- 14.5890 +/- 151.3942 +/- 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6 **Purity** 99%	(Lot SHBL5816)	2,507.5	µg/mL	+/- 14.5788 +/- 151.2886 +/- 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2 **Purity** 99%	(Lot SHBL0078)	2,510.3	µg/mL	+/- 14.5948 +/- 151.4545 +/- 151.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5 **Purity** 99%	(Lot BCBR0882V)	2,510.9	µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBM9675)	50,187.5	µg/mL	+/- 291.7792 +/- 3,028.0328 +/- 3,035.2219	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3 **Purity** 99%	(Lot 10201030)	2,511.0	µg/mL	+/- 14.5992 +/- 151.4998 +/- 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5 **Purity** 99%	(Lot RD220311)	2,513.8	µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3 **Purity** 99%	(Lot MKCQ2779)	2,518.4	µg/mL	+/- 14.6420 +/- 151.9447 +/- 152.3055	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2 **Purity** 99%	(Lot MKCL0907)	2,511.4	µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6 **Purity** 98%	(Lot RD211104)	2,504.5	µg/mL	+/- 14.5615 +/- 151.1083 +/- 151.4671	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5 **Purity** 99%	(Lot FGB01)	2,513.6	µg/mL	+/- 14.6144 +/- 151.6581 +/- 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9 **Purity** 99%	(Lot BCBC6265)	2,513.6	µg/mL	+/- 14.6144 +/- 151.6581 +/- 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4 **Purity** 99%	(Lot SHBJ7422)	2,507.5	µg/mL	+/- 14.5788 +/- 151.2886 +/- 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane		2,514.8 µg/mL	+/-	14.6210	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)		+/-	151.7260	µg/mL	Unstressed
	Purity 99%			+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,513.9 µg/mL	+/-	14.6159	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCCF5058)		+/-	151.6732	µg/mL	Unstressed
	Purity 99%			+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene		2,507.9 µg/mL	+/-	14.5810	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)		+/-	151.3112	µg/mL	Unstressed
	Purity 99%			+/-	151.6704	µg/mL	Stressed
43	m-Xylene		1,260.0 µg/mL	+/-	7.3257	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot Q13G020)		+/-	76.0214	µg/mL	Unstressed
	Purity 99%			+/-	76.2019	µg/mL	Stressed
44	p-Xylene		1,258.6 µg/mL	+/-	7.3178	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)		+/-	75.9384	µg/mL	Unstressed
	Purity 99%			+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene		2,516.0 µg/mL	+/-	14.6282	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)		+/-	151.8014	µg/mL	Unstressed
	Purity 99%			+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,519.1 µg/mL	+/-	14.6464	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot TMWGK)		+/-	151.9900	µg/mL	Unstressed
	Purity 99%			+/-	152.3508	µg/mL	Stressed
47	o-Xylene		2,513.5 µg/mL	+/-	14.6134	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBN5105)		+/-	151.6479	µg/mL	Unstressed
	Purity 98%			+/-	152.0079	µg/mL	Stressed
48	Styrene		2,509.1 µg/mL	+/-	14.5883	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)		+/-	151.3866	µg/mL	Unstressed
	Purity 99%			+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,518.5 µg/mL	+/-	14.6428	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)		+/-	151.9523	µg/mL	Unstressed
	Purity 99%			+/-	152.3130	µg/mL	Stressed
50	bromoform		2,511.0 µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)		+/-	151.5001	µg/mL	Unstressed
	Purity 98%			+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane		2,518.1 µg/mL	+/-	14.6406	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)		+/-	151.9296	µg/mL	Unstressed
	Purity 99%			+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,515.5 µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)		+/-	151.7713	µg/mL	Unstressed
	Purity 99%			+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,512.5 µg/mL	+/-	14.6079	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)		+/-	151.5903	µg/mL	Unstressed
	Purity 99%			+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,511.8 µg/mL	+/-	14.6038	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)		+/-	151.5480	µg/mL	Unstressed
	Purity 95%			+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene		2,515.6 µg/mL	+/-	14.6261	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCN1126)		+/-	151.7788	µg/mL	Unstressed
	Purity 99%			+/-	152.1392	µg/mL	Stressed

56	Bromobenzene **CAS #** 108-86-1 **Purity** 99%	(Lot MKBD4032V)	2,516.9	µg/mL	+/- 14.6333 +/- 151.8542 +/- 152.2147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene **CAS #** 108-67-8 **Purity** 99%	(Lot BCCD0427)	2,512.3	µg/mL	+/- 14.6064 +/- 151.5752 +/- 151.9350	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene **CAS #** 95-49-8 **Purity** 99%	(Lot MKCF5243)	2,510.9	µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene **CAS #** 106-43-4 **Purity** 99%	(Lot MKCC8496)	2,513.1	µg/mL	+/- 14.6115 +/- 151.6280 +/- 151.9880	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene **CAS #** 98-06-6 **Purity** 99%	(Lot STBD6954V)	2,514.6	µg/mL	+/- 14.6202 +/- 151.7185 +/- 152.0787	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene **CAS #** 95-63-6 **Purity** 98%	(Lot WXBC9428V)	2,517.1	µg/mL	+/- 14.6348 +/- 151.8696 +/- 152.2302	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene **CAS #** 135-98-8 **Purity** 99%	(Lot MKCN2920)	2,519.3	µg/mL	+/- 14.6471 +/- 151.9975 +/- 152.3584	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) **CAS #** 99-87-6 **Purity** 99%	(Lot MKCP6638)	2,512.0	µg/mL	+/- 14.6050 +/- 151.5601 +/- 151.9199	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBZ7498)	2,515.5	µg/mL	+/- 14.6253 +/- 151.7713 +/- 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	2,513.4	µg/mL	+/- 14.6130 +/- 151.6431 +/- 152.0031	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene **CAS #** 104-51-8 **Purity** 99%	(Lot 09418JJ)	2,511.0	µg/mL	+/- 14.5992 +/- 151.4998 +/- 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBN3835)	2,511.4	µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane **CAS #** 96-12-8 **Purity** 97%	(Lot HBMVB)	2,512.4	µg/mL	+/- 14.6074 +/- 151.5855 +/- 151.9454	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBM0526)	2,510.4	µg/mL	+/- 14.5955 +/- 151.4620 +/- 151.8216	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 99%	(Lot X05J)	2,509.3	µg/mL	+/- 14.5890 +/- 151.3942 +/- 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKCH0219)	2,520.6	µg/mL	+/- 14.6551 +/- 152.0805 +/- 152.4415	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene		2,513.0 µg/mL	+/-	14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/-	151.6204	µg/mL	Unstressed
	Purity 99%			+/-	151.9804	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)

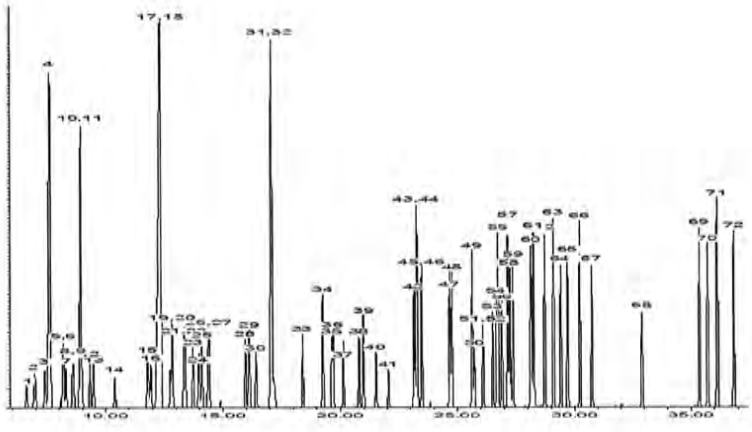
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 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: 31-Mar-2022 **Balance:** B707717271

Feng-Yun Lo - QC Analyst

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VOA8260SURRES_00187

RESTEK®
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0172587

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibromofluoromethane	2,510.9 µg/mL	+/- 14.5983	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 012021)		+/- 140.7809	µg/mL	Unstressed
	Purity 99%		+/- 144.0750	µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,518.0 µg/mL	+/- 14.6399	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/- 141.1818	µg/mL	Unstressed
	Purity 99%		+/- 144.4852	µg/mL	Stressed
3	Toluene-d8	2,500.4 µg/mL	+/- 14.5375	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-31750)		+/- 140.1949	µg/mL	Unstressed
	Purity 99%		+/- 143.4753	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,520.9 µg/mL	+/- 14.6567	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 141.3444	µg/mL	Unstressed
	Purity 99%		+/- 144.6516	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VOA8260SURRES_00191

RESTEK®
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0172587

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibromofluoromethane	2,510.9 µg/mL	+/- 14.5983	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 012021)		+/- 140.7809	µg/mL	Unstressed
	Purity 99%		+/- 144.0750	µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,518.0 µg/mL	+/- 14.6399	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/- 141.1818	µg/mL	Unstressed
	Purity 99%		+/- 144.4852	µg/mL	Stressed
3	Toluene-d8	2,500.4 µg/mL	+/- 14.5375	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-31750)		+/- 140.1949	µg/mL	Unstressed
	Purity 99%		+/- 143.4753	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,520.9 µg/mL	+/- 14.6567	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 141.3444	µg/mL	Unstressed
	Purity 99%		+/- 144.6516	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VOABFBRES_00117

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0177440

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **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-Bromo-4-fluorobenzene (BFB)	2,504.0 µg/mL	+/- 14.6949	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 140.4110	µg/mL	Unstressed
	Purity 99%		+/- 143.6958	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

WCOD1000P_00038

LabChem
performance through chemistry
Jackson's Pointe Commerce Park - Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063
Ph: 412-826-5230 | Fax: 724-473-0647 | www.labchem.com

CERTIFICATE OF ANALYSIS

Description: COD STANDARD, 1mL = 1mg COD

Mfg. Date: 02/16/2022

Catalog Number: LC13245

Exp. Date: 03/02/2024

Lot Number: M040-08

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Assay (as mg/mL COD)	1.00 mg/mL +/- 0.01	1.01 mg/mL
Traceable to NIST	Potassium Hydrogen Phthalate	84L

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

Submitted by: Greg Albright, Chemist Supervisor

An ISO9001:2015 certified company. Registration # 0306-01

03/08/2022 10:39 AM

Form #17.13 07/28/2016

Reagent

WCOD1000S_00021

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customerservice@riccachemical.com

Certificate of Analysis

Potassium Acid Phthalate Standard, 1000 ppm Chemical Oxygen Demand (COD)

Lot Number: 2103D87 **Product Number:** 5868

Manufacture Date: MAR 11, 2021
Expiration Date: AUG 2022

The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is estimated based upon the volumetric method of preparation. It is certified that a COD of 500 mg/L should be obtained on a 25.0 mL aliquot of this standard solution diluted to 50 mL. The manufacturing specification for this product is Chemical Oxygen Demand (COD) = 1.000 ± 0.005 mg per mL at 20°C. This is the equivalent quantity of Oxygen that this standard solution will consume, based on the reduction of a Potassium Dichromate Standard Solution under the specified conditions in the ASTM D 1252-95 test methods.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification	Result
Appearance	Colorless liquid	Passed
Chemical Oxygen Demand (COD)	995-1005 ppm	1000 ppm

Specification	Reference
Potassium Acid Phthalate Solution, Standard (1 mL = 1 mg COD)	ASTM (D 1252 A)
Potassium Acid Phthalate Solution, Standard (1 mL = 1 mg/L)	ASTM (D 1252 B)
Stock Potassium Acid Phthalate	EPA (410.4)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
5868-16	500 mL natural poly	18 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Kerry Kingsbury

Kerry Kingsbury (03/11/2021)
Quality Control Supervisor
This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

Reagent

WHemPSP_00272

Speedisk® Oil and Grease Standards Kit

Material No.: 8030-00
Batch No.: 0000269775
Manufactured Date: 2021/02/23
Retest Date: 2028/02/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result

For Laboratory, Research or Manufacturing Use
THIS PRODUCT DOES NOT HAVE PRODUCT SPECIFICATION PARAMETERS. THE TEST DESCRIPTION, SPECIFICATION, AND RESULTS ARE INTENTIONALLY LEFT BLANK.

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Reagent

WHemPSP_00273

PackageInsert

4869767

ID: WHemPSP_00273

Exp:02/02/28 Prpd:SMW Opn:06/17/22

HEM Spike LCS 40/20 PPM

Speedisk™ Oil & Grease Standards Kit

Description and use

The *Speedisk*™ Oil & Grease Standards Kit consists of four vials sealed with Teflon® lined stoppers which are covered with crimped aluminum tear-offs to hold the stoppers firmly in place and prevent loss by evaporation. Each vial contains 51 mL of a mixture consisting of 2 mg/ml Stearic Acid and 2 mg/mL n-Hexadecane in ULTRA RESI-ANAL YZED® Acetone. This packaging format is particularly convenient when conducting EPA Method 1664, Rev. A, for oil and grease in which 1 Oml of standards mixture is added to one liter of water which has been adjusted to pH 2 or below. (Water must be at or below pH 2 to maintain Stearic Acid in the acid form.) Store and use standards at room temperature to keep components in solution. Since Acetone is volatile, open vials just before use to ensure correct concentration of standards. Do not save remainders for later use.

Specifications

Stearic Acid Concentration 1.98-2.02 mg/mL Acetone
n-Hexadecane Concentration 1.98-2.02 mg/mL Acetone

Package Contents

Four amber vials each containing 51 mL of standard solution.

Safety Precautions

Observe appropriate safety precautions when using *Speedisk*™ Oil & Grease Standards Kit and related chemicals and equipment. Use personal safety equipment for eye and skin protection. Use only approved glassware under vacuum. Observe fire safety regulations. Avoid breathing vapors. Operate with appropriate ventilation. Keep volatile chemicals in tightly sealed containers. For specific guidelines and additional health and safety information, consult the Material Safety Data Sheet (MSDS) for each chemical used.

Storage Conditions

Store at room temperature away from light.

Reorder Information

To order *Speedisk*™ products, contact any authorized J.T.Baker distributor, or in North America, call 1-800-JTBAKER (1-800-582-2537).
Speedisk™ Oil & Grease Standards Kit is part number 8030-00.

Technical Support

For technical support or to discuss your application, please call J.T.Baker at 1-800-669-8230.

(US)Speedisk® Oil and Grease Standards Kit Danger Highly flammable liquid and vapor. Causes serious eye irritation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting] equipment. Take action to prevent static discharges.

(CA)Kit normes Huile et graisse Speedisk ® Danger Liquide et vapeurs très inflammables. Provoque une sévère irritation des yeux. Tenir à lécart de la chaleur, des étincelles, des flammes nues, des surfaces chaudes. Ne pas fumer. Les conteneurs au sol et équipement de réception. Utiliser un matériel [électrique/de ventilation/d'éclairage] antidéflagrant.

(SG)Speedisk® Oil and Grease Standards Kit Danger Highly flammable liquid and vapor. Causes serious eye irritation.

(BR)Óleo e graxa Normas Speedisk ® Kit Perigo Líquido e vapores altamente inflamáveis. Provoca irritação ocular grave.

(CN)Speedisk®油和油脂标准套件 危险 高度易燃液体和蒸气。造成严重眼刺激。远离热源，热表面，火花，明火及其他火源。禁止吸烟。

(TW)Speedisk®油和油脂標準套件 危險 高度易燃液體和蒸氣。造成嚴重眼睛刺激。遠離熱源/火花/明火/熱表面。禁止吸煙。

(KR)Speedisk ® 오일 및 그리스 표준 키트 위험 고인화성 액체 또는 증기. 눈에 심한 자극을 일으킴.

Safety Data Sheet available at www.avantorsciences.com

PACKAGE INSERT

1EA 8030-00

Speedisk® Oil and Grease Standards Kit

Batch No: 0000269775

Manufactured Date: 2021/02/23 (yyyy/mm/dd)

Retest Date: 2028/02/22 (yyyy/mm/dd)

For Laboratory,Research,or Manufacturing Use

Complete specs on CoA at avantorsciences.com

FLASH POINT:-20°C (-4°F)(CLOSED CUP)
DOT Name: ACETONE, SOLUTION
UN1090

CAS NO:	
Acetone	67-64-1
STEARIC ACID	57-11-4
HEXADECANE	544-76-3

COUNTRY OF ORIGIN: USA

+H4798030025

+28053000269775SE

avantor™

Avantor Performance Materials, LLC
100 Matsonford Road, Suite 200
Radnor, PA 19087
610-386-1700

6 BRG2

Speedisk™ Products, Accessories and Literature

Product Name	Product No.	Description/Purpose
Speedisk™ Oil & Grease Standards Kit	8030-00	Each of 4 vials contains 51 mL of a mixture consisting of 2 mg/ml Stearic Acid and 2 mg/mL n-Hexadecane in ULTRA RESI-ANAL YZED® Acetone.
BAKERBOND *Speedisk*™ Oil & Grease	8060-06	50 mm extraction disk for use in *Speedisk*™ manual extraction stations. BAKERBOND™ C_{18} sorbent optimized for use with slightly polar to non-polar hydrocarbons, EPA Method 1664, Oil & Grease.
BAKERBOND *Speedisk*™ Oil & Grease, Auto	8064-06	50 mm extraction disk for use in Horizon SPE- DEX® Automated Extractor System. BAKERBOND C_{18} sorbent optimized for use with slightly polar to non-polar hydrocarbons, EPA Method 1664, Oil & Grease.
BAKERBOND *Speedisk*™ C_{18}	8055-06	50 mm extraction disk. For use with EPA Methods 500 Series, 608, SW846/3535 and slightly polar to non-polar industrial samples.
BAKERBOND *Speedisk*™ C_{18} XF	8056-06	50 mm extraction disk. For dirty samples, EPA Methods 608, 846, and slightly polar to nonpolar industrial samples.
BAKERBOND *Speedisk*™ C_8	8057-06	50 mm extraction disk. For diquat, paraquat, EPA Method 549.1
BAKERBOND *Speedisk*™ SAX	8058-06	50 mm extraction disk. For EPA Method 552.1, haloacetic acids and Dalapon.
BAKERBOND *Speedisk*™ DVB	8059-06	50 mm extraction disk. For chlorinated acids, EPA Method 515.2.
Speedisk™ Expanded Extraction Station	8095-06	Six-port processing system for loading samples directly. Rectangular footprint and inter-port spacing to accommodate six side-by-side 1 L sample reservoirs.
DISKMATE® II Rotary Extraction Station	7463-06	Six-port processing system. Vacuum manifold mounted on a convenient turntable with full spacing for direct mounting of six 1 L containers.
Wide Mouth Jar Adapter Lids	8028-04	Package of 4 reusable disk-to-jar adapters for EPA/100 mm sample jars to enable inverted sample feed.
Wide Mouth Jar Adapter Lids	8102-04	Package of 4 reusable disk-to-jar adapters for mason or 70 mm jars to enable inverted sample feed.

ISO Phillipsburg, NJ 9001:2008 & 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, Holland 9001:2008 & 14001:2004
Selangor, Malaysia 9001:2008

About Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron™, Rankem™, Diagnova™, and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors, photovoltaic cells and flat panel displays. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit www.avantormaterials.com or follow www.twitter.com/avantor_news

Ordering Information and Assistance

Customer Service and Technical Service
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OUTSIDE OF U.S. TEL: +1-610-573-2600
FAX: +1-610-573-2610
E-MAIL: **info@avantormaterials.com**
www.avantormaterials.com

Our Web site features ASK Avantor,™ which includes live chat capabilities with customer service representatives.
www.avantormaterials.com/askavantor

Avantor Performance Materials, Inc.
3477 Corporate Parkway
Suite #200
Center Valley, PA 18034 USA

Lit # 8913

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FAX: +86-21-5877 7253

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425–426, Chintamani Plaza
Andheri Kurla Road
Chakala
Andheri (East)
Mumbai — 400 099 India
TEL: +91-22-4215 2458
FAX: +91-22-4215 2465

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A-1201-2, 12th Floor,
Kelana Brem Tower 1
Jalan SS7/15, Kelana Jaya
47301 Petaling Jaya, Selangor, Malaysia
TEL: +60-3-7803 0378
FAX: +60-3-7803 0405 / 7804 5427

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Fracc. Industrial Esfuerzo Nacional Xalostoc
CP 55320 Ecatepec, Estado de Mexico, Mexico
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FAX: +52-55-5755-2585

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Teugseweg 20, 7418 AM Deventer
P.O. Box 1, 7400 AA Deventer
The Netherlands
TEL: +31-570-687500
FAX: +31-570-687574

Reagent

WNH31000P_00031

LabChem
performance through chemistry
Jackson's Pointe Commerce Park - Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063
Ph: 412-826-5230 | Fax: 724-473-0647 | www.labchem.com

4265351
ID WNH31000P_00021
Exp 03/19/23 Prpd PMH Opn 05/25/21
1000 ppm ammonia stock st

4265284
ID WTKN1000F_00006
Exp 03/19/23 Prpd PMH Opn 05/25/21
1000 ppm ammonia stock st

CERTIFICATE OF ANALYSIS

Description: AMMONIA (as NITROGEN) STANDARD, 1000ppm (1mL = 1mg N)

Mfg. Date: 03/19/2021

Catalog Number: LC17940

Exp. Date: 03/19/2023

Lot Number: L078-13

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Concentration ppm N	1000ppm +/- 10ppm	996 ppm
Concentration mg N/mL	1.000 +/- 0.010 mg N/mL	0.996 mg N/mL
Traceable to NIST	Potassium Chloride	999b

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

Submitted by: Greg Albright, Chemist Supervisor

Greg Albright

An ISO9001:2015 certified company. Registration # 0306-01 05/25/2021 1:29 PM

Form #17.13 07/28/2016

Reagent

WNH31000S_00022

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1010 Jackson's Pointe Court, Zelienople, PA 16063
Ph: 412-826-5230 | Fax: 724-473-0647 | www.labchem.com

4659575
ID: WNH31000S_00022
Exp:12/09/23 Prpd:PMH Opn:03/03/22
1000 ppm ammonia secondar

4659576
ID: WTKN1000S_00005
Exp:12/09/23 Prpd:PMH Opn:03/02/22
1000 ppm ammonia secondar

CERTIFICATE OF ANALYSIS

Description: AMMONIA (as NITROGEN) STANDARD, 1000ppm (1mL = 1mg N)

Mfg. Date: 12/09/2021

Catalog Number: LC17940

Exp. Date: 12/09/2023

Lot Number: L319-21

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Concentration ppm N	1000ppm +/- 10ppm	997 ppm
Concentration mg N/mL	1.000 +/- 0.010 mg N/mL	0.997 mg N/mL
Traceable to NIST	Potassium Chloride	999b

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

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Submitted by: Greg Albright, Chemist Supervisor

Greg Albright

Reagent

WpHBuffer7CCV_00082

RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 2204917 **Product Number:** 1551

Manufacture Date: APR 01, 2022
Expiration Date: MAR 2024

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Yellow liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	6.990-7.010	7.003	186-I-g, 186-II-g, 191d
pH at 25°C (Method: SQCP027, SQCP033) Uncertainty	0.02	0.02	

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution.

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1551-1	4 L natural poly	24 months
1551-16	500 mL natural poly	24 months
1551-1CT	4 L Cubitainer®	24 months
1551-1G	4 L amber glass	24 months

1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-20B	200 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months
R1551000-20F1	20 mL pouch	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Myrlande Gilles (04/01/2022)

Quality Control

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

Certificate # L2387.01 Testing

Reagent

WpHBuffer7P_00042

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4778026
ID: WpHBuffer7P_00042
Exp:11/12/23 Prpd:PMH Opn:04/25/22
pH Buffer 7

CERTIFICATE OF ANALYSIS

Description: BUFFER SOLUTION pH 7.0

Mfg. Date: 11/12/2021

Catalog Number: LC12370

Exp. Date: 11/12/2023

Lot Number: L307-10

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
pH @ 25 degrees C	pH 7.00 +/- 0.01	7.00
Verified against NIST buffer		186g, 187f

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

Submitted by: Greg Albright, Chemist Supervisor

Greg Albright

An ISO9001:2015 certified company. Registration # 0306-01 04/25/2022 8:35 AM

Form #17.13 07/28/2016

Reagent

WResPSP_00085

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Certified Reference Materials

info@phenova.com • www.phenova.com • 1-866-942-2978

WP Solids — Lot #8227-09

TNI Analyte Code	Analyte	Certified Value mg/L	Acceptance Limits mg/L	Acceptance Limits %
1955	Total Dissolved Solids at 180° (TFR)	186	141 - 231	75.8 - 124
1960	Total Suspended Solids (TSS)	57.1	45.0 - 64.8	78.8 - 113
1950	Total Solids (TS)	243	198 - 288	81.5 - 119

Certified Values = "100% true concentration" of each analyte as determined from gravimetric and volumetric measurements made during standard manufacture.

Acceptance Limits = Generated based on the criteria established by The NELAC Institute (TNI) Fields of Proficiency Testing tables using regression equations and/or fixed percentage limits, historical data and other criteria distributed by accrediting agencies as applicable. Please note that regression based acceptance criteria are based on the Assigned Value and may have different criteria at different concentrations.

Solvent = Deionized Water

Store at 20-25°C.

Expiration Date: 09/2024

Catalog #QC-SOL-WP

Preparation Instructions: The WP Solids standard is provided as a ready-to-use standard that does not require dilution prior to use. Shake adequately to homogenize the standard before removing an aliquot for analysis. Analyze by your normal procedures.

Note: It is strongly recommended that you analyze for TSS prior to removing aliquots for other analyses from the Solids bottle.

4894366

ID: WResPSP_00085

Exp: 06/30/24 Prpd: JCR

Phenova Residue LCS

Approved by: AMB

Reviewed by: LS

Date: 6/22

Date: 6/22

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TI-NA-FL-D-2207270 900	180-142292-2	143 S1+	143	95	72
	LB 180-407277/1-A	157 S1+	152 S1+	124	87
	LCS 180-407435/3	126	118	106	97
TI-NA-FL-D-2207270 900 MS	180-142292-2 MS	121	118	105	97
TI-NA-FL-D-2207270 900 MSD	180-142292-2 MSD	120	118	105	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	60-132
DCA = 1,2-Dichloroethane-d4 (Surr)	52-151
TOL = Toluene-d8 (Surr)	53-124
BFB = 4-Bromofluorobenzene (Surr)	49-118

Column to be used to flag recovery values

FORM II EPA 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 9080403.D

Lab ID: LCS 180-407435/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichloroethane	0.0100	0.0108	108	57-149	
2-Butanone (MEK)	0.0100	0.00845 J	85	35-158	
Benzene	0.0100	0.00997 J	100	68-122	
Carbon tetrachloride	0.0100	0.0103	103	60-135	
Chlorobenzene	0.0100	0.0106	106	72-123	
Chloroform	0.0100	0.0115	115	62-121	
Tetrachloroethene	0.0100	0.0112	112	60-129	
Trichloroethene	0.0100	0.00931 J	93	67-121	
Vinyl chloride	0.0100	0.0107	107	47-147	
1,1-Dichloroethene	0.0100	0.0124	124	49-132	

Column to be used to flag recovery and RPD values

FORM III EPA 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: 9080408.D

Lab ID: 180-142292-2 MS Client ID: TI-NA-FL-D-2207270900 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
1,2-Dichloroethane	0.200	ND	0.221	111	57-149	
2-Butanone (MEK)	0.200	ND	0.138 J	69	35-158	
Benzene	0.200	ND	0.209	104	68-122	
Carbon tetrachloride	0.200	ND	0.225	112	60-135	
Chlorobenzene	0.200	ND	0.225	112	72-123	
Chloroform	0.200	ND	0.235	117	62-121	
Tetrachloroethene	0.200	ND	0.249	124	60-129	
Trichloroethene	0.200	ND	0.200	100	67-121	
Vinyl chloride	0.200	ND	0.211	106	47-147	
1,1-Dichloroethene	0.200	ND	0.252	126	49-132	

Column to be used to flag recovery and RPD values

FORM III EPA 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: 9080409.D

Lab ID: 180-142292-2 MSD Client ID: TI-NA-FL-D-2207270900 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dichloroethane	0.200	0.214	107	3	27	57-149	
2-Butanone (MEK)	0.200	0.184 J	92	28	35	35-158	
Benzene	0.200	0.207	103	1	21	68-122	
Carbon tetrachloride	0.200	0.218	109	3	25	60-135	
Chlorobenzene	0.200	0.225	112	0	19	72-123	
Chloroform	0.200	0.233	117	1	22	62-121	
Tetrachloroethene	0.200	0.248	124	0	22	60-129	
Trichloroethene	0.200	0.201	101	1	23	67-121	
Vinyl chloride	0.200	0.230	115	8	25	47-147	
1,1-Dichloroethene	0.200	0.258	129	2	23	49-132	

Column to be used to flag recovery and RPD values

FORM III EPA 8260D

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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
	IC 180-399329/7	9051907.D	05/19/2022	11:20
	IC 180-399329/8	9051908.D	05/19/2022	11:42
	ICIS 180-399329/9	9051909.D	05/19/2022	12:03
	IC 180-399329/10	9051910.D	05/19/2022	12:24
	IC 180-399329/11	9051911.D	05/19/2022	12:46
	IC 180-399329/12	9051912.D	05/19/2022	13:07
	IC 180-399329/13	9051913.D	05/19/2022	13:28
	IC 180-399329/14	9051914.D	05/19/2022	13:50

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab File ID: 9080401.D BFB Injection Date: 08/04/2022

Instrument ID: CHHP9 BFB Injection Time: 09:11

Analysis Batch No.: 407435

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	52.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.8	
173	Less than 2.0 % of mass 174	1.2	(1.4) 1
174	Greater than 50% of mass 95	86.0	
175	5.0 - 9.0 % of mass 174	5.5	(6.4) 1
176	95.0 - 101.0 % of mass 174	85.9	(99.9) 1
177	5.0 - 9.0 % of mass 176	5.1	(5.9) 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 180-407435/2	9080402.D	08/04/2022	10:21
	LCS 180-407435/3	9080403.D	08/04/2022	10:44
TI-NA-FL-D-2207270900	180-142292-2	9080407.D	08/04/2022	12:12
TI-NA-FL-D-2207270900 MS	180-142292-2 MS	9080408.D	08/04/2022	12:33
TI-NA-FL-D-2207270900 MSD	180-142292-2 MSD	9080409.D	08/04/2022	12:55
	LB 180-407277/1-A	9080413.D	08/04/2022	14:21

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-407435/2 Date Analyzed: 08/04/2022 10:21

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 9080402.D Heated Purge: (Y/N) N

Calibration ID: 48509

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		174710	3.07	1586298	5.85	263330	9.69
UPPER LIMIT		349420	3.57	3172596	6.35	526660	10.19
LOWER LIMIT		87355	2.57	793149	5.35	131665	9.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-407435/3		129714	3.06	1426911	5.85	227456	9.68
180-142292-2	TI-NA-FL-D-2207270900	154360	3.07	1314901	5.85	253076	9.69
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	183126	3.06	1636593	5.85	254931	9.68
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	190676	3.06	1638152	5.85	250160	9.68
LB 180-407277/1-A		201084	3.06	1647255	5.85	282335	9.68

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5

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 EPA 8260D

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-407435/2 Date Analyzed: 08/04/2022 10:21

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 9080402.D Heated Purge: (Y/N) N

Calibration ID: 48509

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		492252	11.81				
UPPER LIMIT		984504	12.31				
LOWER LIMIT		246126	11.31				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-407435/3		431429	11.81				
180-142292-2	TI-NA-FL-D-2207270900	325317	11.81				
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	456880	11.81				
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	453804	11.81				
LB 180-407277/1-A		384777	11.81				

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 EPA 8260D

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 | Lab Sample ID: 180-142292-2

Matrix: Solid (TCLP) | Lab File ID: 9080407.D

Analysis Method: EPA 8260D | Date Collected: 07/27/2022 09:00

Sample wt/vol: 0.25(mL) | Date Analyzed: 08/04/2022 12:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 407435 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	ND		0.20	0.029
78-93-3	2-Butanone (MEK)	ND		0.20	0.058
71-43-2	Benzene	ND		0.20	0.039
56-23-5	Carbon tetrachloride	ND		0.20	0.066
108-90-7	Chlorobenzene	ND		0.20	0.031
67-66-3	Chloroform	ND	^c	0.20	0.042
127-18-4	Tetrachloroethene	ND		0.20	0.040
79-01-6	Trichloroethene	ND		0.20	0.030
75-01-4	Vinyl chloride	ND		0.20	0.073
75-35-4	1,1-Dichloroethene	ND	^c	0.20	0.057

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	143		52-151
460-00-4	4-Bromofluorobenzene (Surr)	72		49-118
1868-53-7	Dibromofluoromethane (Surr)	143	S1+	60-132
2037-26-5	Toluene-d8 (Surr)	95		53-124

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080407.D
Lims ID: 180-142292-F-2-A
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 04-Aug-2022 12:12:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-007
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 12:39:30 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 12:39:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.066	3.071	-0.005	88	154360	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	98	1314901	50.0	
* 3 Chlorobenzene-d5	119	9.687	9.687	0.000	92	253076	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	325317	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	93	312986	71.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.441	0.000	98	316076	71.4	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	1510626	47.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	90	306957	36.0	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	306957	NR	
24 Acrolein	56	1.456	1.456	0.000	54	2065	NC	
46 Acetonitrile	40	2.515	2.558	-0.043	1	30332	NC	
34 Vinyl acetate	43	2.847	2.879	-0.033	2	6259	NC	
25 Methylene Chloride	84	2.980	2.980	0.000	96	150864	23.4	
43 Isopropyl alcohol	45	3.932	3.927	0.005	34	5403	NC	
40 Chloroform	83	4.847	4.852	-0.005	96	122645	9.05	
55 Isopropyl ether	45	5.847	5.869	-0.022	30	9710	NC	
53 2-Chloro-1,3-butadiene	53	5.852	5.874	-0.022	44	918	NC	
59 Propionitrile	54	6.141	6.152	-0.011	1	1197	NC	
58 Tert-butyl ethyl ether	59	6.115	6.157	-0.042	44	1533	NC	
62 Methacrylonitrile	41	6.468	6.473	-0.005	1	809	NC	
60 Ethyl acetate	43	6.489	6.521	-0.032	1	2254	NC	
69 Isooctane	57	7.141	7.142	-0.001	1	1139	NC	
70 Tert-amyl methyl ether	73	7.409	7.409	0.000	1	837	NC	
77 Ethyl acrylate	55	7.783	7.800	-0.017	1	940	NC	
75 n-Butanol	56	7.922	7.928	-0.006	1	681	NC	
78 Methyl methacrylate	69	8.430	8.415	0.015	4	768	NC	
84 2-Chloroethyl vinyl ether	63	8.987	8.976	0.011	4	615	NC	
90 n-Butyl acetate	43	9.741	9.746	-0.005	3	817	NC	
100 4-Chlorobenzotrifluoride	180	10.902	10.854	0.048	1	390	NC	
108 Cyclohexanone	55	11.891	11.881	0.010	1	1386	NC	
115 1,2,3-Trimethylbenzene	105	13.362	13.228	0.134	53	1574	NC	
116 Benzyl chloride	91	13.367	13.357	0.010	1	1284	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
113 Naphthalene	128	13.410	13.410	0.000	61	5852	4.83	
114 1,2,3-Trichlorobenzene	180	13.571	13.571	0.001	82	11335	6.55	
117 1,3,5-Trichlorobenzene	180	14.405	14.410	-0.005	1	284	NC	
T 134 Tetrahydrofuran TIC	42	4.772	4.783	-0.011	2	751	0	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

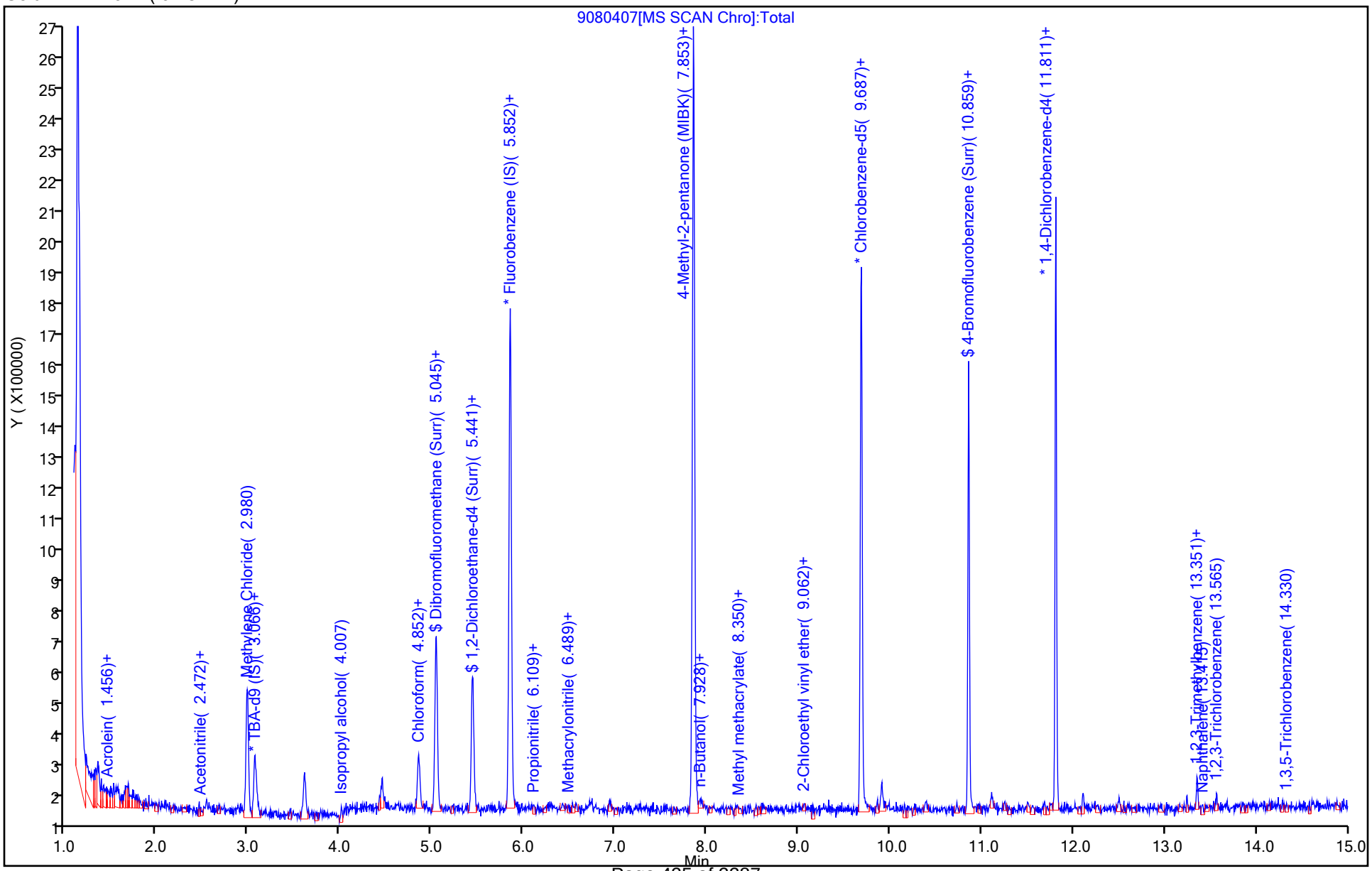
VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 04-Aug-2022 12:39:31 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080407.D				
Injection Date:	04-Aug-2022 12:12:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	180-142292-F-2-A	Lab Sample ID:	180-142292-2	Worklist Smp#:	7
Client ID:	TI-NA-FL-D-2207270900				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080407.D
Lims ID: 180-142292-F-2-A
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 04-Aug-2022 12:12:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-007
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 12:39:30 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 12:39:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 Dibromofluoromethane (Surr)	50.0	71.7	143.37
$ 6 1,2-Dichloroethane-d4 (Surr)	50.0	71.4	142.71
$ 7 Toluene-d8 (Surr)	50.0	47.7	95.37
$ 8 4-Bromofluorobenzene (Surr)	50.0	36.0	72.00

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-399329/7	9051907.D
Level 2	IC 180-399329/8	9051908.D
Level 3	ICIS 180-399329/9	9051909.D
Level 4	IC 180-399329/10	9051910.D
Level 5	IC 180-399329/11	9051911.D
Level 6	IC 180-399329/12	9051912.D
Level 7	IC 180-399329/13	9051913.D
Level 8	IC 180-399329/14	9051914.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.6096 0.6284	0.6373 0.6843	0.7107 0.6877	0.7251	0.7449	Ave		0.6785			0.1000	7.2		20.0			
Chloromethane	0.6678 0.5832	0.6336 0.6279	0.6908 0.6278	0.6705	0.7009	Ave		0.6503			0.1000	6.0		20.0			
Vinyl chloride	0.6427 0.6455	0.6533 0.6948	0.7473 0.6946	0.7519	0.7815	Ave		0.7015			0.1000	7.6		20.0			
1,3-Butadiene	0.6605 0.6313	0.6585 0.7006	0.7319 0.6968	0.7297	0.7582	Ave		0.6959			0.0100	6.2		20.0			
Bromomethane	0.2605 0.1920	0.2214 0.2097	0.2244 0.2023	0.2196	0.2290	Ave		0.2199			0.0500	9.3		20.0			
Chloroethane	0.3083 0.2833	0.2988 0.3022	0.3377 0.2985	0.3173	0.3358	Ave		0.3102			0.0500	6.1		20.0			
Dichlorofluoromethane	0.6285 0.6211	0.6593 0.6706	0.7181 0.6722	0.7120	0.7529	Ave		0.6794			0.0100	6.7		20.0			
Trichlorofluoromethane	0.6450 0.6742	0.6832 0.7360	0.7581 0.7469	0.7513	0.7926	Ave		0.7234			0.1000	6.9		20.0			
Ethyl ether	0.1355 0.1278	0.1257 0.1360	0.1384 0.1346	0.1430	0.1473	Ave		0.1360			0.0100	5.3		20.0			
1,1-Dichloroethene	0.3488 0.3237	0.3318 0.3523	0.3811 0.3554	0.3738	0.3853	Ave		0.3565			0.1000	6.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3693 0.3742	0.3841 0.4096	0.4246 0.4173	0.4318	0.4427	Ave		0.4067			0.1000	6.8		20.0			
Acetone	0.3881 +++++	0.1239 +++++	0.0926 +++++	0.0791	0.0751	Lin2	1.6489	0.0583			0.0500				1.0000		0.9900
Iodomethane	0.0828 0.2625	0.1803 0.2721	0.2655 0.2765	0.2776	0.2988	Lin2	-1.013	0.2772			0.0100				0.9900		0.9900

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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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								
Carbon disulfide	0.9698 1.1798	1.1414 1.2903	1.3283 +++++	1.3002	1.3972	Ave		1.2296			0.1000	11.7		20.0			
Allyl chloride	0.1574 0.1763	0.1824 0.1908	0.2064 0.1878	0.1972	0.2102	Ave		0.1886			0.0100	9.0		20.0			
Methyl acetate	0.1296 0.0498	0.0664 0.0504	0.0642 0.0499	0.0615	0.0553	Lin2	0.7889	0.0512		*	0.1000				0.9950		0.9900
Methylene Chloride	0.3971 0.1911	0.2537 0.1979	0.2349 0.1916	0.2204	0.2288	Lin2	0.9911	0.2025			0.1000				0.9950		0.9900
tert-Butyl alcohol	1.6723 1.3027	1.3628 1.2940	1.2568 1.3082	1.3014	1.3181	Ave		1.3520			0.0100	9.8		20.0			
Acrylonitrile	0.0255 0.0265	0.0276 0.0274	0.0279 0.0269	0.0280	0.0288	Ave		0.0273			0.0100	3.7		20.0			
trans-1,2-Dichloroethene	0.2889 0.3084	0.3149 0.3296	0.3583 0.3283	0.3473	0.3653	Ave		0.3301			0.1000	7.9		20.0			
Methyl tert-butyl ether	0.2832 0.3116	0.3004 0.3249	0.3367 0.3222	0.3275	0.3553	Ave		0.3202			0.1000	6.9		20.0			
Hexane	1.3765 1.0605	1.1641 1.1752	1.2218 1.1867	1.2311	1.2719	Ave		1.2110			0.0100	7.5		20.0			
1,1-Dichloroethane	0.5657 0.6064	0.6093 0.6435	0.6892 0.6464	0.6759	0.7237	Ave		0.6450			0.2000	7.9		20.0			
2,2-Dichloropropane	0.7010 0.5786	0.6389 0.6160	0.6923 0.6021	0.6733	0.6989	Ave		0.6502			0.0100	7.4		20.0			
cis-1,2-Dichloroethene	0.2151 0.2497	0.2594 0.2654	0.2931 0.2526	0.2839	0.3013	Ave		0.2650			0.1000	10.5		20.0			
2-Butanone (MEK)	0.0726 0.0514	0.0617 0.0484	0.0705 0.0526	0.0626	0.0668	Ave		0.0608			0.0500	15.0		20.0			
Chlorobromomethane	0.0647 0.0612	0.0625 0.0650	0.0726 0.0638	0.0635	0.0694	Ave		0.0653			0.0100	5.8		20.0			
Tetrahydrofuran	0.0565 0.0213	0.0247 0.0232	0.0240 0.0226	0.0228	0.0262	Lin2	0.3462	0.0212			0.0100				0.9900		0.9900
Chloroform	0.7597 0.4337	0.4838 0.4546	0.5155 0.4601	0.4973	0.5200	Ave		0.5156			0.2000	20.0		20.0			
1,1,1-Trichloroethane	0.5732 0.5994	0.6140 0.6379	0.6730 0.6397	0.6760	0.7004	Ave		0.6392			0.1000	6.7		20.0			
Cyclohexane	1.0329 1.0841	1.1075 1.1851	1.2061 1.2058	1.2293	1.2876	Ave		1.1673			0.1000	7.3		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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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								
Carbon tetrachloride	0.4397 0.5284	0.5105 0.5722	0.5791 0.5771	0.5800	0.6135	Ave		0.5501			0.1000	10.0		20.0			
1,1-Dichloropropene	0.5381 0.5678	0.5956 0.6160	0.6652 0.6183	0.6535	0.6822	Ave		0.6171			0.0100	8.0		20.0			
Benzene	1.1304 1.1551	1.1905 1.2129	1.3230 1.2137	1.3004	1.3701	Ave		1.2370			0.5000	6.9		20.0			
Isobutyl alcohol	0.0033 0.0027	0.0028 0.0028	0.0026 0.0028	0.0028	0.0029	Ave		0.0029		*	0.0100	6.6		20.0			
1,2-Dichloroethane	0.1943 0.2164	0.2041 0.2268	0.2372 0.2257	0.2348	0.2494	Ave		0.2236			0.1000	8.1		20.0			
n-Heptane	1.0120 1.0448	1.0510 1.1356	1.1586 1.1543	1.1771	1.2381	Ave		1.1215			0.0100	6.9		20.0			
Trichloroethene	0.3153 0.3260	0.3328 0.3456	0.3753 0.3465	0.3753	0.3876	Ave		0.3505			0.2000	7.5		20.0			
Methylcyclohexane	0.8090 0.8746	0.8868 0.9453	1.0016 0.9598	0.9987	1.0333	Ave		0.9386			0.1000	8.1		20.0			
1,2-Dichloropropane	0.2245 0.2311	0.2383 0.2454	0.2661 0.2401	0.2601	0.2705	Ave		0.2470			0.1000	6.8		20.0			
Dibromomethane	0.0276 0.0565	0.0530 0.0583	0.0596 0.0585	0.0599	0.0613	Lin2	-0.1644	0.0604			0.0100				0.9990		0.9900
1,4-Dioxane	0.0022 0.0008	0.0011 0.0008	0.0010 0.0008	0.0009	0.0009	Lin2	0.1370	0.0008		*	0.0100				0.9970		0.9900
Dichlorobromomethane	0.2164 0.2247	0.2125 0.2349	0.2407 0.2305	0.2323	0.2509	Ave		0.2304			0.2000	5.4		20.0			
cis-1,3-Dichloropropene	0.2089 0.2518	0.2339 0.2670	0.2717 0.2665	0.2637	0.2881	Ave		0.2564			0.2000	9.7		20.0			
4-Methyl-2-pentanone (MIBK)	0.3857 0.4035	0.4284 0.4290	0.4307 0.4301	0.4215	0.4489	Ave		0.4222			0.1000	4.6		20.0			
Toluene	7.0410 6.8464	7.3545 7.3666	7.9684 7.2664	7.6959	7.9851	Ave		7.4405			0.4000	5.6		20.0			
trans-1,3-Dichloropropene	0.7941 0.9974	0.9057 1.0490	1.0528 1.0533	1.0085	1.0745	Ave		0.9919			0.1000	9.7		20.0			
Ethyl methacrylate	0.5932 0.6136	0.5829 0.6430	0.6527 0.6437	0.6380	0.6643	Ave		0.6289			0.0100	4.6		20.0			
1,1,2-Trichloroethane	0.5030 0.4622	0.4503 0.5015	0.4890 0.4967	0.4905	0.5200	Ave		0.4891			0.1000	4.6		20.0			

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

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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								
Tetrachloroethene	1.7806 1.6425	1.7753 1.7814	1.9058 1.7916	1.8757	1.9534	Ave		1.8133			0.2000	5.3		20.0			
1,3-Dichloropropane	0.8696 0.9056	0.9037 0.9629	0.9864 0.9363	0.9675	1.0053	Ave		0.9422			0.0100	4.9		20.0			
2-Hexanone	0.6057 0.3609	0.4141 0.3532	0.4173 0.3915	0.3909	0.4183	Ave		0.4190			0.1000	19.0		20.0			
Chlorodibromomethane	0.4282 0.5109	0.4473 0.5363	0.5181 0.5415	0.5109	0.5413	Ave		0.5043			0.1000	8.6		20.0			
1,2-Dibromoethane	0.3865 0.3940	0.4171 0.4124	0.4159 0.4130	0.4202	0.4234	Ave		0.4103			0.1000	3.2		20.0			
Chlorobenzene	3.4672 3.4206	3.4773 3.6124	3.8696 3.5696	3.7218	3.9417	Ave		3.6350			0.5000	5.3		20.0			
1,1,1,2-Tetrachloroethane	0.8599 0.9525	0.9191 1.0189	1.0483 1.0263	1.0120	1.0971	Ave		0.9918			0.0100	7.7		20.0			
Ethylbenzene	2.4658 2.6346	2.7161 +++++	3.0499 +++++	3.0115	3.0490	Ave		2.8211			0.1000	8.9		20.0			
m-Xylene & p-Xylene	3.1739 3.1969	3.3028 3.3729	3.6128 3.3870	3.5810	3.6800	Ave		3.4134			0.1000	5.6		20.0			
o-Xylene	2.4394 2.6537	2.7216 2.7979	2.9972 2.7755	2.9151	3.0438	Ave		2.7930			0.3000	7.0		20.0			
Styrene	2.5855 3.5651	3.2197 3.7606	3.7889 3.7995	3.8148	4.0423	Ave		3.5720			0.3000	13.0		20.0			
Bromoform	0.1845 0.2135	0.1619 0.2247	0.2115 0.2299	0.1977	0.2134	Ave		0.2046			0.1000	11.0		20.0			
Isopropylbenzene	8.5606 +++++	9.2274 +++++	10.224 +++++	10.280	10.693	Ave		9.7972			0.1000	8.9		20.0			
Bromobenzene	0.8502 0.8404	0.8498 0.8520	0.9183 0.8675	0.9222	0.9185	Ave		0.8774			0.0100	4.1		20.0			
1,1,2,2-Tetrachloroethane	0.3949 0.4471	0.4180 0.4771	0.4307 0.4745	0.4505	0.4821	Ave		0.4469			0.3000	6.9		20.0			
1,2,3-Trichloropropane	0.1540 0.0996	0.1040 0.1051	0.1037 0.1034	0.1056	0.1049	Lin2	0.2626	0.1002			0.0100				0.9990		0.9900
trans-1,4-Dichloro-2-butene	0.1115 0.1105	0.0679 0.1083	0.0930 0.1098	0.1072	0.1065	Lin1	-0.179	0.1085			0.0100				0.9940		0.9900
N-Propylbenzene	1.8373 1.8245	1.8905 1.9056	2.0987 1.9300	2.0715	2.0901	Ave		1.9560			0.0100	5.8		20.0			

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

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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-Chlorotoluene	1.2943 1.2016	1.2003 1.2350	1.3549 1.2506	1.3169	1.3566	Ave		1.2763			0.0100	5.0		20.0			
1,3,5-Trimethylbenzene	5.0824 5.2081	5.1401 +++++	5.7387 +++++	5.7376	5.8637	Ave		5.4617			0.0100	6.5		20.0			
4-Chlorotoluene	1.2746 1.1250	1.1863 1.1689	1.2799 1.1698	1.2619	1.2712	Ave		1.2172			0.0100	5.0		20.0			
tert-Butylbenzene	5.0649 5.1042	5.0591 +++++	5.5816 +++++	5.6059	5.7466	Ave		5.3604			0.0100	5.9		20.0			
1,2,4-Trimethylbenzene	4.5336 4.7257	4.6269 +++++	5.1402 +++++	5.2095	5.3176	Ave		4.9256			0.0100	6.8		20.0			
sec-Butylbenzene	7.9643 +++++	7.9820 +++++	8.9414 +++++	9.1684	9.3212	Ave		8.6755			0.0100	7.6		20.0			
1,3-Dichlorobenzene	1.6705 1.8324	1.7174 1.8850	1.9248 1.9207	1.9489	2.0232	Ave		1.8654			0.6000	6.4		20.0			
4-Isopropyltoluene	5.4452 +++++	5.7793 +++++	6.5070 +++++	6.6436	6.8934	Ave		6.2537			0.0100	9.8		20.0			
1,4-Dichlorobenzene	1.6004 1.6918	1.6482 1.7443	1.7514 1.7763	1.8092	1.8888	Ave		1.7388			0.5000	5.3		20.0			
n-Butylbenzene	5.0445 +++++	5.5025 +++++	6.1531 +++++	6.4627	6.6754	Ave		5.9677			0.0100	11.4		20.0			
1,2-Dichlorobenzene	1.1674 1.2235	1.1766 1.3038	1.3304 1.3077	1.3521	1.4136	Ave		1.2844			0.4000	6.8		20.0			
1,2-Dibromo-3-Chloropropane	0.0514 0.0388	0.0399 0.0378	0.0286 0.0437	0.0369	0.0378	Ave		0.0394		*	0.0500	16.4		20.0			
1,2,4-Trichlorobenzene	0.5633 0.8438	0.6169 0.9131	0.7641 0.9172	0.8595	0.9618	Ave		0.8050			0.2000	18.1		20.0			
Hexachlorobutadiene	0.8764 1.1102	0.8895 1.1673	1.0724 1.1835	1.1624	1.2643	Ave		1.0908			0.0100	12.8		20.0			
Naphthalene	0.5399 0.7776	0.4578 0.8633	0.6079 0.9161	0.7393	0.8281	Qua	-2.349	0.6684	0.0009951		0.0100				0.9960		0.9900
1,2,3-Trichlorobenzene	0.3909 0.5584	0.3606 0.6156	0.4802 0.6532	0.5604	0.6247	Lin1	-2.291	0.6159			0.0100				0.9910		0.9900
Dibromofluoromethane (Surr)	0.1230 0.1688	0.1574 0.1726	0.1680 0.1790	0.1695	0.1898	Ave		0.1660				11.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.1750 0.1624	0.1599 0.1670	0.1684 0.1738	0.1621	0.1790	Ave		0.1684				4.1		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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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								
Toluene-d8 (Surr)	6.2219 5.9920	6.1810 6.2001	6.3280 6.4158	6.2228	6.5104	Ave		6.2590				2.5		20.0			
4-Bromofluorobenzene (Surr)	2.1081 1.5902	1.5768 1.6373	1.5699 1.6942	1.5967	1.7043	Ave		1.6847				10.6		20.0			

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

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-399329/7	9051907.D
Level 2	IC 180-399329/8	9051908.D
Level 3	ICIS 180-399329/9	9051909.D
Level 4	IC 180-399329/10	9051910.D
Level 5	IC 180-399329/11	9051911.D
Level 6	IC 180-399329/12	9051912.D
Level 7	IC 180-399329/13	9051913.D
Level 8	IC 180-399329/14	9051914.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	129069 4910283	661057 5787771	1423324 7785727	2101191	2955929	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	141390 4557002	657206 5311333	1383423 7107081	1942960	2781473	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	136078 5043698	677632 5877185	1496632 7864111	2178829	3101275	5.00 175	25.0 200	50.0 250	75.0	100
1,3-Butadiene	FB	Ave	139849 4933209	683072 5926294	1465698 7888197	2114357	3008519	5.00 175	25.0 200	50.0 250	75.0	100
Bromomethane	FB	Ave	55155 1500397	229686 1773921	449482 2290258	636260	908649	5.00 175	25.0 200	50.0 250	75.0	100
Chloroethane	FB	Ave	65270 2213763	309886 2556296	676331 3379615	919421	1332451	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorofluoromethane	FB	Ave	133080 4853081	683858 5672508	1438230 7610407	2063037	2987705	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	136568 5267989	708700 6225012	1518226 8456163	2176866	3145182	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl ether	FB	Ave	28687 998469	130357 1149987	277242 1523937	414490	584682	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethene	FB	Ave	73849 2529080	344176 2979773	763207 4024093	1083240	1528834	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	78185 2924135	398400 3464330	850363 4724134	1251081	1756643	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Lin2	82179 +++++	128526 +++++	185494 +++++	229167	297900	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Iodomethane	FB	Lin2	17525	186993	531759	804495	1185584	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			2050892	2301283	3130715			175	200	250		
Carbon disulfide	FB	Ave	205340 9219078	1183941 10913453	2660166 +++++	3767383	5544323	5.00 175	25.0 200	50.0 +++++	75.0	100
Allyl chloride	FB	Ave	33334 1377360	189243 1613730	413346 2125628	571278	834079	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Lin2	54863 777515	137741 851956	257322 1130709	356531	438484	10.0 350	50.0 400	100 500	150	200
Methylene Chloride	FB	Lin2	84070 1493043	263156 1674138	470458 2169167	638647	907764	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butyl alcohol	TBAd9	Ave	19050 732837	99699 817564	194339 1100192	282707	409990	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	53996 2071462	286353 2317409	559701 3044403	810824	1141718	50.0 1750	250 2000	500 2500	750	1000
trans-1,2-Dichloroethene	FB	Ave	61175 2409463	326667 2788070	717613 3716346	1006225	1449716	5.00 175	25.0 200	50.0 250	75.0	100
Methyl tert-butyl ether	FB	Ave	59970 2434819	311612 2748190	674294 3647355	949037	1410043	5.00 175	25.0 200	50.0 250	75.0	100
Hexane	FB	Ave	291443 8286813	1207494 9940570	2446941 13435035	3567197	5047026	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	119770 4738088	632006 5442508	1380235 7318332	1958351	2871659	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	148434 4521428	662714 5210685	1386459 6816494	1951091	2773524	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,2-Dichloroethene	FB	Ave	45543 1951397	269021 2244730	586952 2859343	822542	1195528	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Ave	15373 401253	63979 409774	141220 595386	181374	265135	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	13701 478534	64781 549492	145370 722023	183950	275225	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Lin2	23911 333427	51189 393267	96247 510661	132358	207934	10.0 350	50.0 400	100 500	150	200
Chloroform	FB	Ave	160851 3388501	501856 3845359	1032386 5209410	1440903	2063581	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	121375 4683682	636903 5395757	1347833 7242737	1958788	2779342	5.00 175	25.0 200	50.0 250	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Cyclohexane	FB	Ave	218710 8470665	1148765 10023888	2415513 13651106	3562089	5109325	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	93097 4128504	529563 4839949	1159694 6533886	1680479	2434602	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloropropene	FB	Ave	113938 4436657	617836 5210333	1332213 7000326	1893652	2706958	5.00 175	25.0 200	50.0 250	75.0	100
Benzene	FB	Ave	239337 9025851	1234826 10258758	2649473 13740755	3768147	5436692	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	17263 536123	72556 599933	131550 799220	202618	292074	125 4375	625 5000	1250 6250	1875	2500
1,2-Dichloroethane	FB	Ave	41144 1691297	211660 1918133	474950 2555377	680480	989695	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	214284 8164066	1090126 9605457	2320419 13068530	3410818	4913021	5.00 175	25.0 200	50.0 250	75.0	100
Trichloroethene	FB	Ave	66756 2547454	345227 2922903	751631 3922270	1087497	1538105	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Ave	171301 6833841	919862 7995465	2005809 10865811	2893970	4100392	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloropropane	FB	Ave	47524 1806077	247166 2075694	532838 2717803	753695	1073482	5.00 175	25.0 200	50.0 250	75.0	100
Dibromomethane	FB	Lin2	5835 441625	55006 493105	119436 662399	173642	243301	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Lin2	9154 123644	21957 140948	40683 179435	49561	71286	100 3500	500 4000	1000 5000	1500	2000
Dichlorobromomethane	FB	Ave	45813 1756034	220435 1986693	482101 2609847	673140	995622	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	44225 1967202	242643 2258193	544230 3016740	764195	1143132	5.00 175	25.0 200	50.0 250	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	13298 560614	76778 635085	150562 855487	216340	322541	5.00 175	25.0 200	50.0 250	75.0	100
Toluene	CBNZ d5	Ave	242776 9511727	1318015 10906621	2785849 14452300	3949764	5736865	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,3-Dichloropropene	CBNZ d5	Ave	27381	162315	368068	517615	772005	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			1385662	1553123	2094982			175	200	250		
Ethyl methacrylate	CBNZ d5	Ave	20452	104469	228201	327462	477235	5.00	25.0	50.0	75.0	100
			852474	952036	1280192			175	200	250		
1,1,2-Trichloroethane	CBNZ d5	Ave	17342	80705	170976	251718	373583	5.00	25.0	50.0	75.0	100
			642172	742458	987888			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	61397	318150	666274	962674	1403416	5.00	25.0	50.0	75.0	100
			2281976	2637528	3563474			175	200	250		
1,3-Dichloropropane	CBNZ d5	Ave	29983	161954	344873	496543	722270	5.00	25.0	50.0	75.0	100
			1258156	1425605	1862265			175	200	250		
2-Hexanone	CBNZ d5	Ave	20884	74221	145899	200612	300540	5.00	25.0	50.0	75.0	100
			501337	522919	778637			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	14763	80166	181119	262202	388887	5.00	25.0	50.0	75.0	100
			709782	793970	1076917			175	200	250		
1,2-Dibromoethane	CBNZ d5	Ave	13325	74757	145405	215641	304212	5.00	25.0	50.0	75.0	100
			547425	610536	821391			175	200	250		
Chlorobenzene	CBNZ d5	Ave	119549	623181	1352856	1910124	2831938	5.00	25.0	50.0	75.0	100
			4752152	5348303	7099680			175	200	250		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	29650	164717	366487	519397	788187	5.00	25.0	50.0	75.0	100
			1323244	1508502	2041230			175	200	250		
Ethylbenzene	CBNZ d5	Ave	85020	486769	1066274	1545580	2190536	5.00	25.0	50.0	75.0	100
			3660286	+++++	+++++			175	+++++	+++++		
m-Xylene & p-Xylene	CBNZ d5	Ave	109438	591896	1263069	1837894	2643904	5.00	25.0	50.0	75.0	100
			4441447	4993702	6736611			175	200	250		
o-Xylene	CBNZ d5	Ave	84111	487747	1047872	1496112	2186795	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			3686805	4142416	5520279			175	200	250		
Styrene	CBNZ d5	Ave	89147 4952994	577010 5567722	1324660 7557017	1957850	2904197	5.00 175	25.0 200	50.0 250	75.0	100
Bromoform	CBNZ d5	Ave	6362 296656	29015 332645	73930 457329	101474	153352	5.00 175	25.0 200	50.0 250	75.0	100
Isopropylbenzene	CBNZ d5	Ave	295172 +++++	1653676 +++++	3574580 +++++	5276018	7682593	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Bromobenzene	DCBd 4	Ave	33684 1501255	192262 1658389	409682 2245509	614056	875952	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	13615 621150	74906 706366	150566 943818	231193	346391	5.00 175	25.0 200	50.0 250	75.0	100
1,2,3-Trichloropropane	DCBd 4	Lin2	6101 177883	23535 204590	46246 267603	70301	99996	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	4418 197438	15372 210882	41500 284289	71365	101590	5.00 175	25.0 200	50.0 250	75.0	100
N-Propylbenzene	DCBd 4	Ave	72791 3259063	427692 3709172	936300 4995725	1379274	1993217	5.00 175	25.0 200	50.0 250	75.0	100
2-Chlorotoluene	DCBd 4	Ave	51279 2146376	271563 2403924	604476 3237206	876804	1293736	5.00 175	25.0 200	50.0 250	75.0	100
1,3,5-Trimethylbenzene	DCBd 4	Ave	201359 9303232	1162871 +++++	2560258 +++++	3820249	5591912	5.00 175	25.0 +++++	50.0 +++++	75.0	100
4-Chlorotoluene	DCBd 4	Ave	50499 2009686	268378 2275231	571023 3027928	840218	1212317	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butylbenzene	DCBd 4	Ave	200668	1144548	2490181	3732568	5480266	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			9117614	+++++	+++++			175	+++++	+++++		
1,2,4-Trimethylbenzene	DCBd 4	Ave	179617 8441499	1046773 +++++	2293260 +++++	3468646	5071116	5.00 175	25.0 +++++	50.0 +++++	75.0	100
sec-Butylbenzene	DCBd 4	Ave	315539 +++++	1805817 +++++	3989139 +++++	6104591	8889188	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,3-Dichlorobenzene	DCBd 4	Ave	66183 3273276	388541 3669005	858752 4971492	1297615	1929480	5.00 175	25.0 200	50.0 250	75.0	100
4-Isopropyltoluene	DCBd 4	Ave	215733 +++++	1307485 +++++	2903043 +++++	4423533	6573904	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,4-Dichlorobenzene	DCBd 4	Ave	63408 3022147	372874 3395164	781373 4597882	1204589	1801265	5.00 175	25.0 200	50.0 250	75.0	100
n-Butylbenzene	DCBd 4	Ave	199859 +++++	1244880 +++++	2745133 +++++	4303067	6366068	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichlorobenzene	DCBd 4	Ave	46250 2185625	266194 2537797	593542 3384949	900292	1348047	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2035 69234	9037 73505	12760 113141	24578	36070	5.00 175	25.0 200	50.0 250	75.0	100
1,2,4-Trichlorobenzene	DCBd 4	Ave	22317 1507334	139561 1777294	340898 2374096	572288	917180	5.00 175	25.0 200	50.0 250	75.0	100
Hexachlorobutadiene	DCBd 4	Ave	34724 1983082	201239 2272087	478456 3063526	773988	1205736	5.00 175	25.0 200	50.0 250	75.0	100
Naphthalene	DCBd 4	Qua	21390 1388964	103581 1680380	271197 2371317	492236	789746	5.00 175	25.0 200	50.0 250	75.0	100
1,2,3-Trichlorobenzene	DCBd 4	Lin1	15489	81585	214232	373134	595775	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			997562	1198167	1690856			175	200	250		
Dibromofluoromethane (Surr)	FB	Ave	26053 1319347	163213 1459737	336496 2026732	491255	753303	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	37044 1269146	165894 1412264	337308 1967474	469627	710269	5.00 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	214531 8324686	1107721 9179506	2212328 12760628	3193743	4677402	5.00 175	25.0 200	50.0 250	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	72688 2209211	282587 2424175	548845 3369655	819469	1224486	5.00 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-399329/7	9051907.D
Level 2	IC 180-399329/8	9051908.D
Level 3	ICIS 180-399329/9	9051909.D
Level 4	IC 180-399329/10	9051910.D
Level 5	IC 180-399329/11	9051911.D
Level 6	IC 180-399329/12	9051912.D
Level 7	IC 180-399329/13	9051913.D
Level 8	IC 180-399329/14	9051914.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-10.2 0.8	-6.1 1.4	4.7	6.9	9.8	-7.4	50 30	30 30	30	30	30	30
Chloromethane	2.7 -3.4	-2.6 -3.5	6.2	3.1	7.8	-10.3	50 30	30 30	30	30	30	30
Vinyl chloride	-8.4 -0.9	-6.9 -1.0	6.5	7.2	11.4	-8.0	50 30	30 30	30	30	30	30
1,3-Butadiene	-5.1 0.7	-5.4 0.1	5.2	4.8	8.9	-9.3	50 30	30 30	30	30	30	30
Bromomethane	18.5 -4.6	0.7 -8.0	2.1	-0.1	4.1	-12.7	50 30	30 30	30	30	30	30
Chloroethane	-0.6 -2.6	-3.7 -3.8	8.9	2.3	8.2	-8.7	50 30	30 30	30	30	30	30
Dichlorofluoromethane	-7.5 -1.3	-3.0 -1.0	5.7	4.8	10.8	-8.6	50 30	30 30	30	30	30	30
Trichlorofluoromethane	-10.8 1.7	-5.6 3.3	4.8	3.9	9.6	-6.8	50 30	30 30	30	30	30	30
Ethyl ether	-0.4 -0.1	-7.6 -1.1	1.8	5.1	8.3	-6.1	50 30	30 30	30	30	30	30
1,1-Dichloroethene	-2.2 -1.2	-6.9 -0.3	6.9	4.9	8.1	-9.2	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	-9.2 0.7	-5.6 2.6	4.4	6.2	8.9	-8.0	50 30	30 30	30	30	30	30
Acetone	0.0 +++++	-0.6 +++++	2.3	-2.1	0.4	+++++	50	30	30	30	30	
Iodomethane	2.9 0.0	-20.4 1.2	3.1	5.0	11.4	-3.2	50 30	30 30	30	30	30	30
Carbon disulfide	-21.1 4.9	-7.2 +++++	8.0	5.7	13.6	-4.0	50 30	30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-16.5 1.2	-3.2 -0.4	9.5	4.6	11.5	-6.5	50 30	30 30	30	30	30	30
Methyl acetate	-1.0 -5.5	-1.1 -5.5	10.1	9.9	0.2	-7.2	50 30	30 30	30	30	30	30
Methylene Chloride	-1.8 -4.7	5.7 -7.3	6.2	2.3	8.1	-8.4	50 30	30 30	30	30	30	30
tert-Butyl alcohol	23.7 -4.3	0.8 -3.2	-7.0	-3.7	-2.5	-3.7	50 30	30 30	30	30	30	30
Acrylonitrile	-6.7 0.3	1.0 -1.6	2.3	2.4	5.3	-3.0	50 30	30 30	30	30	30	30
trans-1,2-Dichloroethene	-12.5 -0.2	-4.6 -0.6	8.5	5.2	10.7	-6.6	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	-11.6 1.5	-6.2 0.6	5.1	2.3	11.0	-2.7	50 30	30 30	30	30	30	30
Hexane	13.7 -3.0	-3.9 -2.0	0.9	1.7	5.0	-12.4	50 30	30 30	30	30	30	30
1,1-Dichloroethane	-12.3 -0.2	-5.5 0.2	6.9	4.8	12.2	-6.0	50 30	30 30	30	30	30	30
2,2-Dichloropropane	7.8 -5.2	-1.7 -7.4	6.5	3.6	7.5	-11.0	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	-18.8 0.1	-2.1 -4.7	10.6	7.1	13.7	-5.8	50 30	30 30	30	30	30	30
2-Butanone (MEK)	19.4 -20.4	1.4 -13.5	15.9	2.9	9.8	-15.6	50 30	30 30	30	30	30	30
Chlorobromomethane	-0.9 -0.5	-4.4 -2.4	11.1	-2.8	6.2	-6.2	50 30	30 30	30	30	30	30
Tetrahydrofuran	2.9 5.5	-16.3 3.0	-3.1	-3.2	15.3	-4.1	50 30	30 30	30	30	30	30
Chloroform	47.3 -11.8	-6.2 -10.8	0.0	-3.6	0.9	-15.9	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	-10.3 -0.2	-3.9 0.1	5.3	5.8	9.6	-6.2	50 30	30 30	30	30	30	30
Cyclohexane	-11.5 1.5	-5.1 3.3	3.3	5.3	10.3	-7.1	50 30	30 30	30	30	30	30
Carbon tetrachloride	-20.1 4.0	-7.2 4.9	5.3	5.4	11.5	-3.9	50 30	30 30	30	30	30	30
1,1-Dichloropropene	-12.8 -0.2	-3.5 0.2	7.8	5.9	10.5	-8.0	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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
Benzene	-8.6 -2.0	-3.8 -1.9	6.9	5.1	10.8	-6.6	50 30	30 30	30	30	30	30
Isobutyl alcohol	14.3 -0.6	-2.0 -1.1	-7.9	-2.0	3.2	-3.8	50 30	30 30	30	30	30	30
1,2-Dichloroethane	-13.1 1.4	-8.7 1.0	6.1	5.0	11.5	-3.2	50 30	30 30	30	30	30	30
n-Heptane	-9.8 1.3	-6.3 2.9	3.3	5.0	10.4	-6.8	50 30	30 30	30	30	30	30
Trichloroethene	-10.1 -1.4	-5.1 -1.2	7.1	7.1	10.6	-7.0	50 30	30 30	30	30	30	30
Methylcyclohexane	-13.8 0.7	-5.5 2.3	6.7	6.4	10.1	-6.8	50 30	30 30	30	30	30	30
1,2-Dichloropropane	-9.1 -0.6	-3.5 -2.8	7.7	5.3	9.5	-6.4	50 30	30 30	30	30	30	30
Dibromomethane	-0.3 -2.2	-1.4 -2.1	4.1	2.8	4.1	-4.9	50 30	30 30	30	30	30	30
1,4-Dioxane	-0.5 0.4	-1.4 -3.8	10.5	-4.0	4.3	-5.5	50 30	30 30	30	30	30	30
Dichlorobromomethane	-6.1 2.0	-7.7 0.1	4.5	0.8	8.9	-2.4	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-18.6 4.1	-8.8 3.9	6.0	2.8	12.3	-1.8	50 30	30 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-8.7 1.6	1.5 1.9	2.0	-0.2	6.3	-4.4	50 30	30 30	30	30	30	30
Toluene	-5.4 -1.0	-1.2 -2.3	7.1	3.4	7.3	-8.0	50 30	30 30	30	30	30	30
trans-1,3-Dichloropropene	-19.9 5.8	-8.7 6.2	6.1	1.7	8.3	0.6	50 30	30 30	30	30	30	30
Ethyl methacrylate	-5.7 2.2	-7.3 2.3	3.8	1.4	5.6	-2.4	50 30	30 30	30	30	30	30
1,1,2-Trichloroethane	2.8 2.5	-7.9 1.5	0.0	0.3	6.3	-5.5	50 30	30 30	30	30	30	30
Tetrachloroethene	-1.8 -1.8	-2.1 -1.2	5.1	3.4	7.7	-9.4	50 30	30 30	30	30	30	30
1,3-Dichloropropane	-7.7 2.2	-4.1 -0.6	4.7	2.7	6.7	-3.9	50 30	30 30	30	30	30	30
2-Hexanone	44.6 -15.7	-1.2 -6.6	-0.4	-6.7	-0.2	-13.9	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

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
Chlorodibromomethane	-15.1 6.3	-11.3 7.4	2.7	1.3	7.3	1.3	50 30	30 30	30	30	30	30
1,2-Dibromoethane	-5.8 0.5	1.7 0.7	1.4	2.4	3.2	-4.0	50 30	30 30	30	30	30	30
Chlorobenzene	-4.6 -0.6	-4.3 -1.8	6.5	2.4	8.4	-5.9	50 30	30 30	30	30	30	30
1,1,1,2-Tetrachloroethane	-13.3 2.7	-7.3 3.5	5.7	2.0	10.6	-4.0	50 30	30 30	30	30	30	30
Ethylbenzene	-12.6 +++++	-3.7 +++++	8.1	6.7	8.1	-6.6	50	30	30	30	30	30
m-Xylene & p-Xylene	-7.0 -1.2	-3.2 -0.8	5.8	4.9	7.8	-6.3	50 30	30 30	30	30	30	30
o-Xylene	-12.7 0.2	-2.6 -0.6	7.3	4.4	9.0	-5.0	50 30	30 30	30	30	30	30
Styrene	-27.6 5.3	-9.9 6.4	6.1	6.8	13.2	-0.2	50 30	30 30	30	30	30	30
Bromoform	-9.8 9.8	-20.9 12.4	3.3	-3.4	4.3	4.3	50 30	30 30	30	30	30	30
Isopropylbenzene	-12.6 +++++	-5.8 +++++	4.4	4.9	9.1	+++++	50	30	30	30	30	
Bromobenzene	-3.1 -2.9	-3.1 -1.1	4.7	5.1	4.7	-4.2	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-11.6 6.8	-6.5 6.2	-3.6	0.8	7.9	0.1	50 30	30 30	30	30	30	30
1,2,3-Trichloropropane	1.2 3.5	-6.7 2.1	-1.8	1.8	2.0	-2.2	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	35.7 0.7	-30.8 * 1.9	-11.0	1.0	-0.2	2.8	50 30	30 30	30	30	30	30
N-Propylbenzene	-6.1 -2.6	-3.4 -1.3	7.3	5.9	6.9	-6.7	50 30	30 30	30	30	30	30
2-Chlorotoluene	1.4 -3.2	-5.9 -2.0	6.2	3.2	6.3	-5.9	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	-6.9 +++++	-5.9 +++++	5.1	5.1	7.4	-4.6	50	30	30	30	30	30
4-Chlorotoluene	4.7 -4.0	-2.5 -3.9	5.2	3.7	4.4	-7.6	50 30	30 30	30	30	30	30
tert-Butylbenzene	-5.5 +++++	-5.6 +++++	4.1	4.6	7.2	-4.8	50	30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 399329

SDG No.:

Instrument ID: CHHP9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2022 11:20 Calibration End Date: 05/19/2022 13:50 Calibration ID: 48509

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	-8.0 +++++	-6.1 +++++	4.4	5.8	8.0	-4.1	50	30	30	30	30	30
sec-Butylbenzene	-8.2 +++++	-8.0 +++++	3.1	5.7	7.4	+++++	50	30	30	30	30	
1,3-Dichlorobenzene	-10.4 1.1	-7.9 3.0	3.2	4.5	8.5	-1.8	50 30	30 30	30	30	30	30
4-Isopropyltoluene	-12.9 +++++	-7.6 +++++	4.1	6.2	10.2	+++++	50	30	30	30	30	
1,4-Dichlorobenzene	-8.0 0.3	-5.2 2.2	0.7	4.0	8.6	-2.7	50 30	30 30	30	30	30	30
n-Butylbenzene	-15.5 +++++	-7.8 +++++	3.1	8.3	11.9	+++++	50	30	30	30	30	
1,2-Dichlorobenzene	-9.1 1.5	-8.4 1.8	3.6	5.3	10.1	-4.7	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	30.5 -4.1	1.5 11.1	-27.3	-6.2	-3.9	-1.5	50 30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-30.0 13.4	-23.4 13.9	-5.1	6.8	19.5	4.8	50 30	30 30	30	30	30	30
Hexachlorobutadiene	-19.6 7.0	-18.5 8.5	-1.7	6.6	15.9	1.8	50 30	30 30	30	30	30	30
Naphthalene	49.4 0.7	-19.8 0.7	-8.3	3.4	9.5	-5.1	50 30	30 30	30	30	30	30
1,2,3-Trichlorobenzene	37.9 1.8	-26.6 7.6	-14.6	-4.0	5.2	-7.2	50 30	30 30	30	30	30	30
Dibromofluoromethane (Surr)	-25.9 3.9	-5.2 7.8	1.2	2.1	14.3	1.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	3.9 -0.9	-5.1 3.2	0.0	-3.8	6.3	-3.6	50 30	30 30	30	30	30	30
Toluene-d8 (Surr)	-0.6 -0.9	-1.2 2.5	1.1	-0.6	4.0	-4.3	50 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	25.1 -2.8	-6.4 0.6	-6.8	-5.2	1.2	-5.6	50 30	30 30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051907.D
Lims ID: IC VSTD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-May-2022 11:20:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-007
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:36 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 11:47:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.077	0.000	96	227827	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.853	0.001	98	2117346	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	92	344802	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	97	396191	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	52	26053	5.00	3.71	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	89	37044	5.00	5.19	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	96	214531	5.00	4.97	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	82	72688	5.00	6.26	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	71525	NR	NR	
10 Dichlorodifluoromethane	85	1.258	1.253	0.005	97	129069	5.00	4.49	
11 Chloromethane	50	1.386	1.386	0.000	98	141390	5.00	5.13	
12 Vinyl chloride	62	1.477	1.472	0.005	96	136078	5.00	4.58	
13 Butadiene	39	1.499	1.499	0.000	91	139849	5.00	4.75	
14 Bromomethane	94	1.723	1.718	0.005	90	55155	5.00	5.92	
15 Chloroethane	64	1.809	1.809	0.000	98	65270	5.00	4.97	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	133080	5.00	4.63	
16 Trichlorofluoromethane	101	2.018	2.018	0.000	98	136568	5.00	4.46	
18 Ethyl ether	59	2.280	2.280	0.000	93	28687	5.00	4.98	
19 1,1-Dichloroethene	96	2.478	2.478	0.000	90	73849	5.00	4.89	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	84	78185	5.00	4.54	
26 Acetone	43	2.547	2.552	-0.005	87	82179	5.00	5.00	M
23 Iodomethane	142	2.622	2.622	0.000	96	17525	5.00	5.15	
20 Carbon disulfide	76	2.681	2.681	0.000	100	205340	5.00	3.94	
22 3-Chloro-1-propene	76	2.852	2.847	0.005	86	33334	5.00	4.17	
28 Methyl acetate	43	2.895	2.889	0.006	89	54863	10.0	9.90	
25 Methylene Chloride	84	2.986	2.980	0.006	96	84070	5.00	4.91	
31 2-Methyl-2-propanol	59	3.173	3.167	0.006	91	19050	50.0	61.8	
33 Acrylonitrile	53	3.275	3.274	0.001	75	53996	50.0	46.7	
27 trans-1,2-Dichloroethene	96	3.285	3.291	-0.005	90	61175	5.00	4.38	
29 Methyl tert-butyl ether	73	3.312	3.317	-0.005	95	59970	5.00	4.42	
30 Hexane	57	3.611	3.611	0.000	92	291443	5.00	5.68	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.772	3.772	0.000	96	119770	5.00	4.39	
37 2,2-Dichloropropane	77	4.451	4.451	0.000	76	148434	5.00	5.39	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	72	45543	5.00	4.06	
45 2-Butanone (MEK)	43	4.521	4.521	0.000	87	15373	5.00	5.97	
39 Chlorobromomethane	128	4.729	4.740	-0.011	89	13701	5.00	4.95	
63 Tetrahydrofuran	42	4.831	4.826	0.005	0	23911	10.0	10.3	
40 Chloroform	83	4.852	4.852	0.000	94	160851	5.00	7.37	
42 1,1,1-Trichloroethane	97	5.045	5.050	-0.005	96	121375	5.00	4.48	
38 Cyclohexane	56	5.104	5.104	0.000	95	218710	5.00	4.42	
41 Carbon tetrachloride	117	5.248	5.243	0.005	89	93097	5.00	4.00	
44 1,1-Dichloropropene	75	5.254	5.253	0.001	85	113938	5.00	4.36	
47 Benzene	78	5.505	5.500	0.005	97	239337	5.00	4.57	
67 Isobutyl alcohol	41	5.510	5.516	-0.006	35	17263	125.0	142.8	
49 1,2-Dichloroethane	62	5.532	5.537	-0.005	94	41144	5.00	4.35	
48 n-Heptane	43	5.869	5.869	0.000	95	214284	5.00	4.51	
51 Trichloroethene	130	6.302	6.302	0.000	92	66756	5.00	4.50	
50 Methylcyclohexane	83	6.526	6.526	0.000	97	171301	5.00	4.31	
54 1,2-Dichloropropane	63	6.591	6.585	0.006	92	47524	5.00	4.54	
52 Dibromomethane	93	6.719	6.724	-0.005	37	5835	5.00	4.99	
57 1,4-Dioxane	88	6.794	6.799	-0.005	50	9154	100.0	99.5	
56 Dichlorobromomethane	83	6.938	6.944	-0.006	96	45813	5.00	4.70	
61 cis-1,3-Dichloropropene	75	7.516	7.521	-0.005	87	44225	5.00	4.07	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.767	-0.005	47	13298	5.00	4.57	
64 Toluene	91	7.939	7.938	0.001	97	242776	5.00	4.73	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	95	27381	5.00	4.00	
72 Ethyl methacrylate	69	8.420	8.425	-0.005	59	20452	5.00	4.72	
71 1,1,2-Trichloroethane	97	8.495	8.489	0.006	67	17342	5.00	5.14	
65 Tetrachloroethene	164	8.645	8.645	0.001	92	61397	5.00	4.91	
74 1,3-Dichloropropane	76	8.709	8.703	0.006	92	29983	5.00	4.61	
79 2-Hexanone	43	8.869	8.869	0.000	49	20884	5.00	7.23	
73 Chlorodibromomethane	129	8.992	8.987	0.005	83	14763	5.00	4.25	
76 Ethylene Dibromide	107	9.115	9.115	0.000	66	13325	5.00	4.71	
80 Chlorobenzene	112	9.714	9.714	0.000	91	119549	5.00	4.77	
83 1,1,1,2-Tetrachloroethane	131	9.816	9.821	-0.005	89	29650	5.00	4.34	
82 Ethylbenzene	106	9.853	9.853	0.000	98	85020	5.00	4.37	
85 m-Xylene & p-Xylene	106	9.987	9.982	0.005	99	109438	5.00	4.65	
86 o-Xylene	106	10.378	10.377	0.001	98	84111	5.00	4.37	
88 Styrene	104	10.394	10.394	0.000	92	89147	5.00	3.62	
87 Bromoform	173	10.554	10.554	0.000	57	6362	5.00	4.51	
89 Isopropylbenzene	105	10.731	10.730	0.001	97	295172	5.00	4.37	
91 Bromobenzene	156	10.977	10.982	-0.005	89	33684	5.00	4.85	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	88	13615	5.00	4.42	
95 1,2,3-Trichloropropane	110	11.030	11.035	-0.005	39	6101	5.00	5.06	a
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	1	4418	5.00	6.78	a
92 N-Propylbenzene	120	11.094	11.094	0.000	98	72791	5.00	4.70	
94 2-Chlorotoluene	126	11.153	11.153	0.000	95	51279	5.00	5.07	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	93	201359	5.00	4.65	
98 4-Chlorotoluene	126	11.249	11.249	0.000	94	50499	5.00	5.24	
99 tert-Butylbenzene	119	11.506	11.506	0.000	94	200668	5.00	4.72	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	97	179617	5.00	4.60	
102 sec-Butylbenzene	105	11.683	11.683	0.000	95	315539	5.00	4.59	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	90	66183	5.00	4.48	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.800	11.800	0.000	96	215733	5.00	4.35	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	95	63408	5.00	4.60	
106 n-Butylbenzene	91	12.105	12.105	0.000	96	199859	5.00	4.23	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	56	46250	5.00	4.54	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	1	2035	5.00	6.52	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	90	22317	5.00	3.50	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	94	34724	5.00	4.02	
113 Naphthalene	128	13.410	13.410	0.000	95	21390	5.00	7.47	
114 1,2,3-Trichlorobenzene	180	13.571	13.571	0.000	90	15489	5.00	6.89	
S 130 1,2-Dichloroethene, Total	96				0		10.0	8.43	
S 129 Xylenes, Total	106				0		10.0	9.02	
S 131 1,3-Dichloropropene, Total	1				0		10.0	8.08	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

VOA8260SURR_00134	Amount Added:	0.20	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	0.20	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

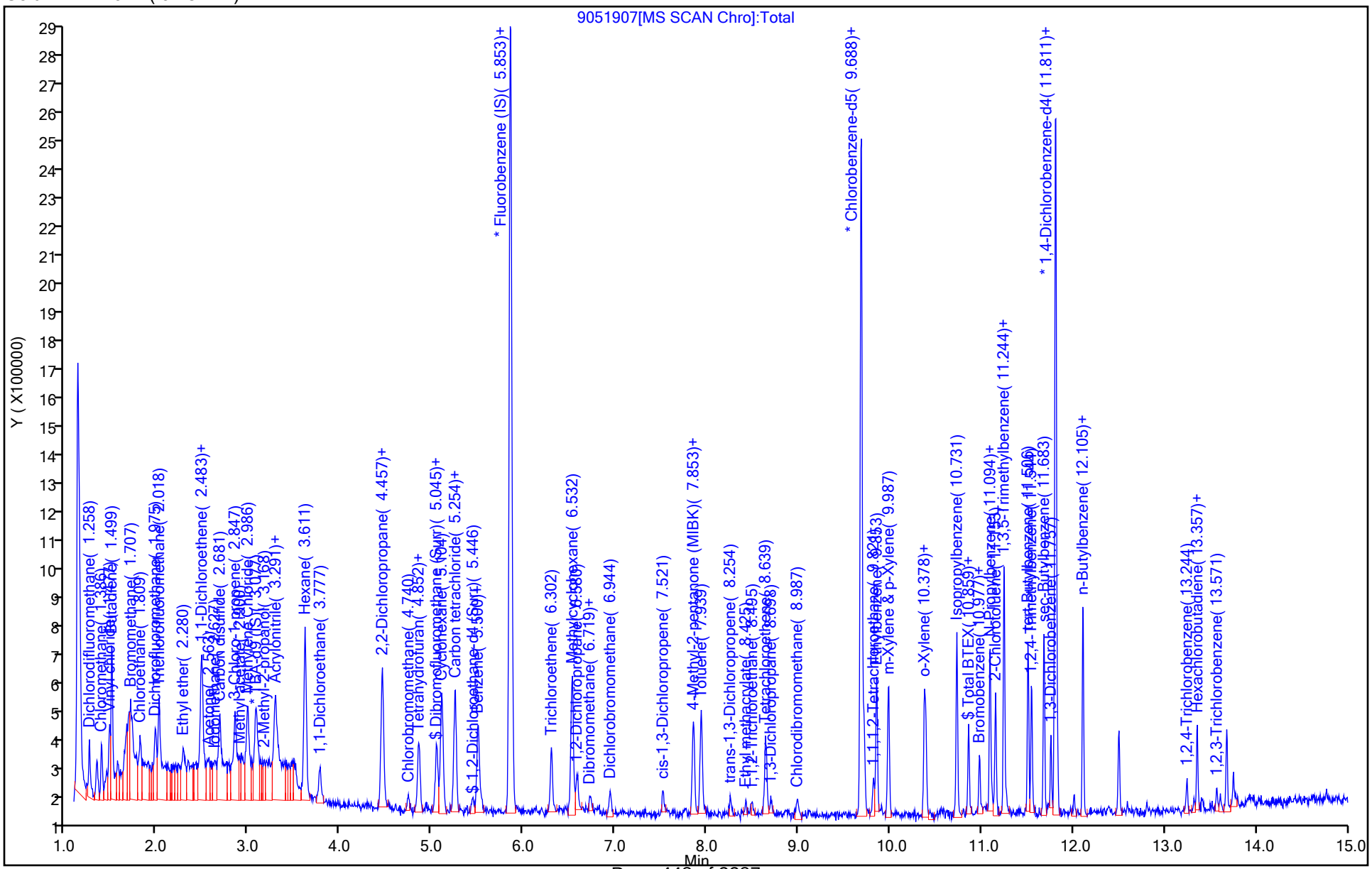
Report Date: 24-May-2022 07:01:36 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051907.D

Injection Date:	19-May-2022 11:20:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	IC VSTD1			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

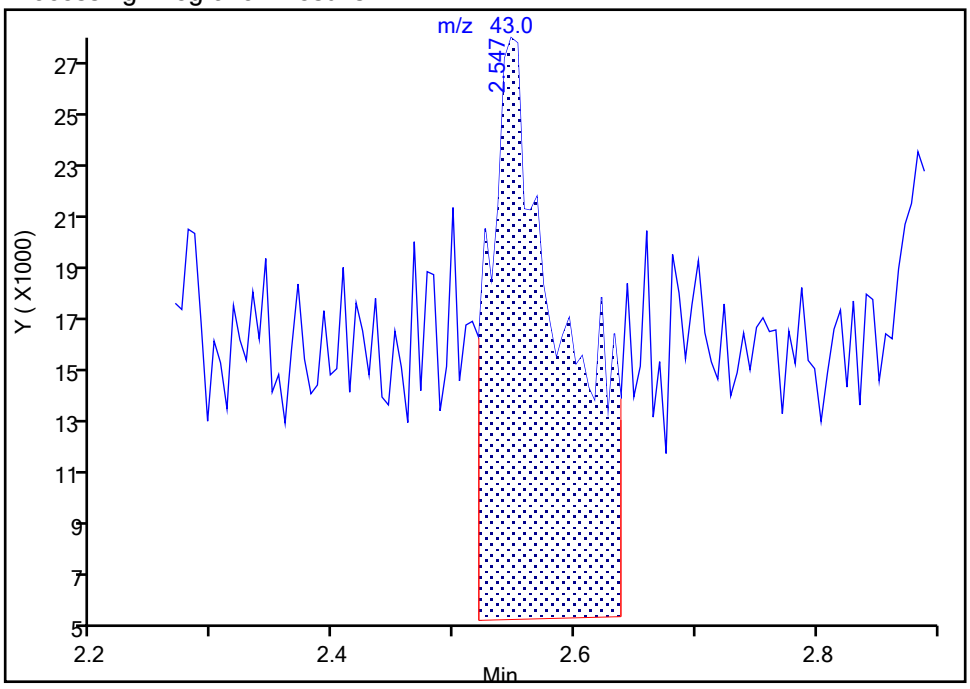
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051907.D
Injection Date: 19-May-2022 11:20:30 Instrument ID: CHHP9
Lims ID: IC VSTD1
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

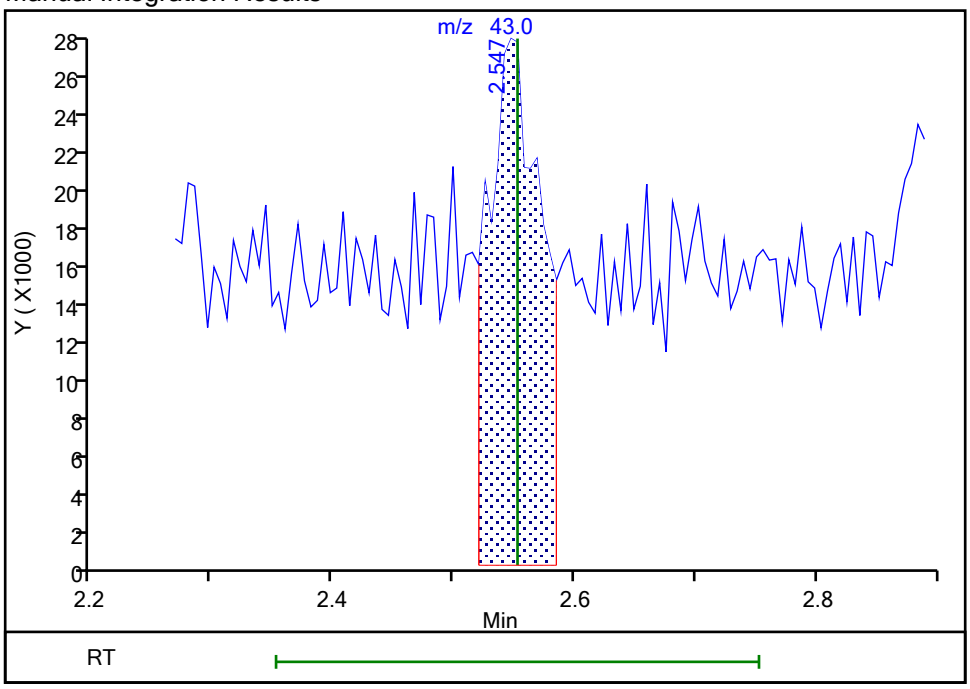
Processing Integration Results

RT: 2.55
Area: 94759
Amount: 5.642140
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 82179
Amount: 5.000892
Amount Units: ng



Reviewer: tangj, 19-May-2022 12:30:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

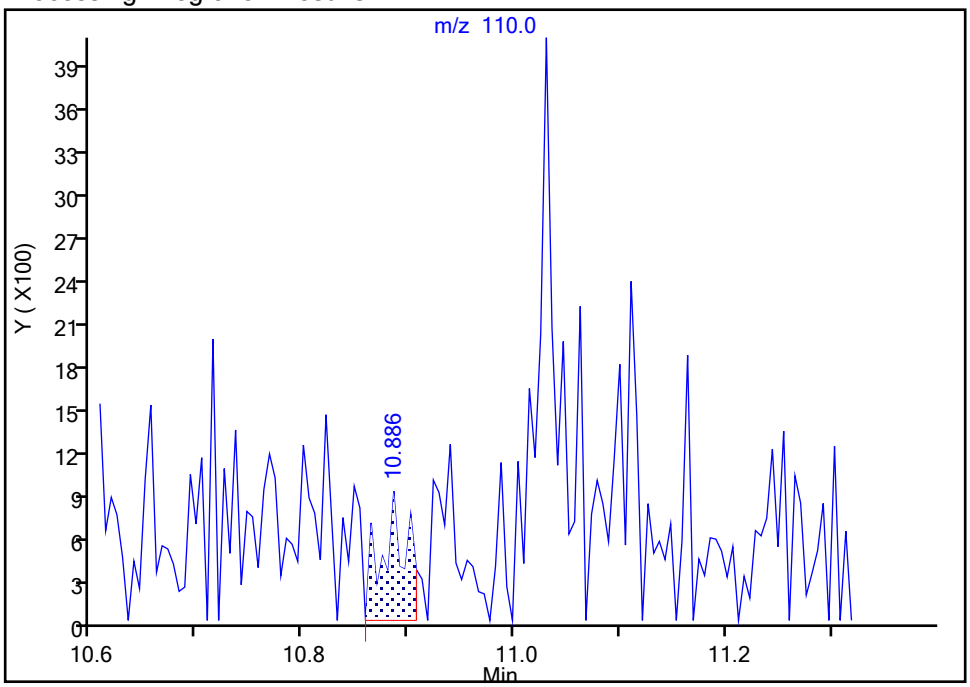
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051907.D
Injection Date: 19-May-2022 11:20:30 Instrument ID: CHHP9
Lims ID: IC VSTD1
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

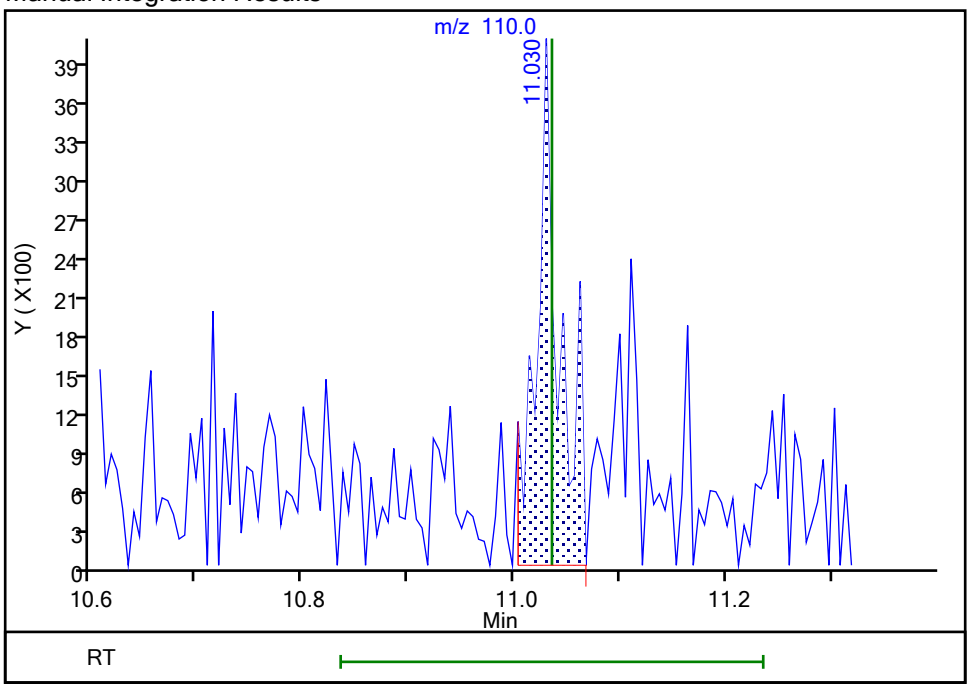
Processing Integration Results

RT: 10.89
Area: 1429
Amount: 4.908007
Amount Units: ng



Manual Integration Results

RT: 11.03
Area: 6101
Amount: 5.061636
Amount Units: ng



Reviewer: tangj, 24-May-2022 07:00:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

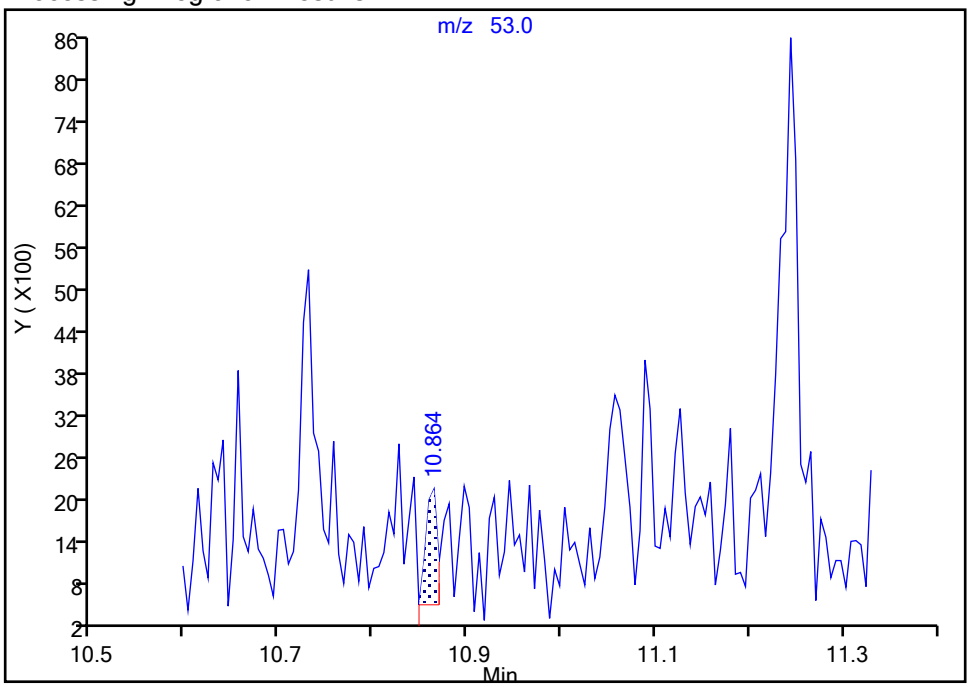
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051907.D
Injection Date: 19-May-2022 11:20:30 Instrument ID: CHHP9
Lims ID: IC VSTD1
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

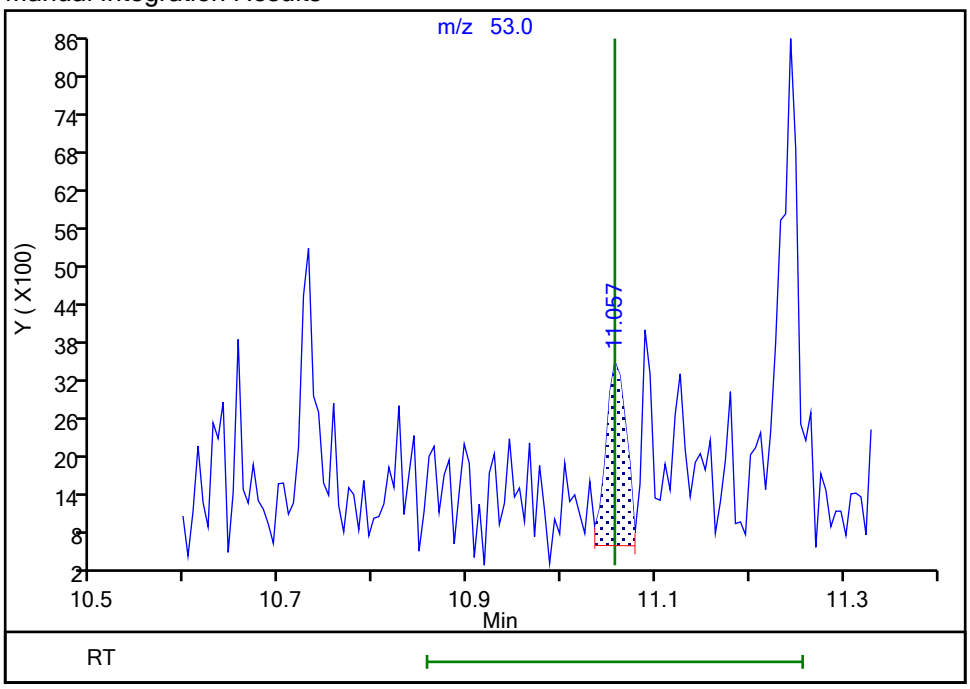
Processing Integration Results

RT: 10.86
Area: 1413
Amount: 6.110803
Amount Units: ng



Manual Integration Results

RT: 11.06
Area: 4418
Amount: 6.784730
Amount Units: ng



Reviewer: tangj, 24-May-2022 07:00:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051908.D
Lims ID: IC VSTD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-May-2022 11:42:30 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-008
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:39 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 12:17:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.077	0.000	95	292632	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.853	0.001	97	2074498	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.688	9.687	0.001	91	358426	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	97	452474	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	91	163213	25.0	23.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.446	-0.005	97	165894	25.0	23.7	
$ 7 Toluene-d8 (Surr)	98	7.858	7.853	0.005	95	1107721	25.0	24.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	85	282587	25.0	23.4	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	281066	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	661057	25.0	23.5	
11 Chloromethane	50	1.386	1.386	0.000	99	657206	25.0	24.4	
12 Vinyl chloride	62	1.477	1.472	0.005	98	677632	25.0	23.3	
13 Butadiene	39	1.499	1.499	0.000	89	683072	25.0	23.7	
14 Bromomethane	94	1.723	1.718	0.005	92	229686	25.0	25.2	
15 Chloroethane	64	1.809	1.809	0.000	99	309886	25.0	24.1	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	683858	25.0	24.3	
16 Trichlorofluoromethane	101	2.018	2.018	0.000	98	708700	25.0	23.6	
18 Ethyl ether	59	2.280	2.280	0.000	96	130357	25.0	23.1	
19 1,1-Dichloroethene	96	2.478	2.478	0.000	90	344176	25.0	23.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	94	398400	25.0	23.6	
26 Acetone	43	2.547	2.552	-0.005	91	128526	25.0	24.8	M
23 Iodomethane	142	2.622	2.622	0.000	98	186993	25.0	19.9	
20 Carbon disulfide	76	2.681	2.681	0.000	99	1183941	25.0	23.2	
22 3-Chloro-1-propene	76	2.847	2.847	0.000	88	189243	25.0	24.2	
28 Methyl acetate	43	2.889	2.889	0.000	86	137741	50.0	49.5	
25 Methylene Chloride	84	2.986	2.980	0.006	94	263156	25.0	26.4	
31 2-Methyl-2-propanol	59	3.178	3.167	0.011	98	99699	250.0	252.0	
33 Acrylonitrile	53	3.274	3.274	0.000	76	286353	250.0	252.6	
27 trans-1,2-Dichloroethene	96	3.285	3.291	-0.005	90	326667	25.0	23.8	
29 Methyl tert-butyl ether	73	3.317	3.317	0.000	99	311612	25.0	23.5	
30 Hexane	57	3.611	3.611	0.000	90	1207494	25.0	24.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.772	3.772	0.000	96	632006	25.0	23.6	
37 2,2-Dichloropropane	77	4.457	4.451	0.006	90	662714	25.0	24.6	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	88	269021	25.0	24.5	
45 2-Butanone (MEK)	43	4.515	4.521	-0.006	99	63979	25.0	25.4	
39 Chlorobromomethane	128	4.740	4.740	0.000	90	64781	25.0	23.9	
63 Tetrahydrofuran	42	4.836	4.826	0.010	0	51189	50.0	41.8	
40 Chloroform	83	4.852	4.852	0.000	96	501856	25.0	23.5	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	96	636903	25.0	24.0	
38 Cyclohexane	56	5.104	5.104	0.000	95	1148765	25.0	23.7	
41 Carbon tetrachloride	117	5.248	5.243	0.005	95	529563	25.0	23.2	
44 1,1-Dichloropropene	75	5.253	5.253	0.000	90	617836	25.0	24.1	
47 Benzene	78	5.500	5.500	0.000	98	1234826	25.0	24.1	
67 Isobutyl alcohol	41	5.510	5.516	-0.006	89	72556	625.0	612.7	
49 1,2-Dichloroethane	62	5.542	5.537	0.005	93	211660	25.0	22.8	
48 n-Heptane	43	5.869	5.869	0.000	95	1090126	25.0	23.4	
51 Trichloroethene	130	6.302	6.302	0.000	94	345227	25.0	23.7	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	919862	25.0	23.6	
54 1,2-Dichloropropane	63	6.585	6.585	0.000	90	247166	25.0	24.1	
52 Dibromomethane	93	6.724	6.724	0.000	95	55006	25.0	24.6	
57 1,4-Dioxane	88	6.794	6.799	-0.005	83	21957	500.0	493.0	
56 Dichlorobromomethane	83	6.944	6.944	0.000	96	220435	25.0	23.1	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	242643	25.0	22.8	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.767	-0.005	98	76778	25.0	25.4	
64 Toluene	91	7.939	7.938	0.000	97	1318015	25.0	24.7	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	96	162315	25.0	22.8	
72 Ethyl methacrylate	69	8.420	8.425	-0.005	93	104469	25.0	23.2	
71 1,1,2-Trichloroethane	97	8.489	8.489	0.000	93	80705	25.0	23.0	
65 Tetrachloroethene	164	8.645	8.645	0.001	94	318150	25.0	24.5	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	96	161954	25.0	24.0	
79 2-Hexanone	43	8.869	8.869	0.000	95	74221	25.0	24.7	
73 Chlorodibromomethane	129	8.998	8.987	0.011	90	80166	25.0	22.2	
76 Ethylene Dibromide	107	9.115	9.115	0.000	90	74757	25.0	25.4	
80 Chlorobenzene	112	9.714	9.714	0.000	89	623181	25.0	23.9	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	88	164717	25.0	23.2	
82 Ethylbenzene	106	9.853	9.853	0.000	99	486769	25.0	24.1	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	98	591896	25.0	24.2	
86 o-Xylene	106	10.377	10.377	0.000	98	487747	25.0	24.4	
88 Styrene	104	10.394	10.394	0.000	94	577010	25.0	22.5	
87 Bromoform	173	10.549	10.554	-0.005	83	29015	25.0	19.8	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	1653676	25.0	23.5	
91 Bromobenzene	156	10.982	10.982	0.000	98	192262	25.0	24.2	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	92	74906	25.0	23.4	
95 1,2,3-Trichloropropane	110	11.030	11.035	-0.005	89	23535	25.0	23.3	
97 trans-1,4-Dichloro-2-butene	53	11.051	11.057	-0.006	70	15372	25.0	17.3	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	427692	25.0	24.2	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	271563	25.0	23.5	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	94	1162871	25.0	23.5	
98 4-Chlorotoluene	126	11.249	11.249	0.000	98	268378	25.0	24.4	
99 tert-Butylbenzene	119	11.506	11.506	0.000	94	1144548	25.0	23.6	
101 1,2,4-Trimethylbenzene	105	11.543	11.549	-0.006	98	1046773	25.0	23.5	
102 sec-Butylbenzene	105	11.683	11.683	0.000	95	1805817	25.0	23.0	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	95	388541	25.0	23.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	1307485	25.0	23.1	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	94	372874	25.0	23.7	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	1244880	25.0	23.1	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	91	266194	25.0	22.9	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	68	9037	25.0	25.4	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	92	139561	25.0	19.2	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	96	201239	25.0	20.4	
113 Naphthalene	128	13.410	13.410	0.000	98	103581	25.0	20.0	
114 1,2,3-Trichlorobenzene	180	13.565	13.571	-0.006	93	81585	25.0	18.4	
S 129 Xylenes, Total	106				0		50.0	48.6	
S 130 1,2-Dichloroethene, Total	96				0		50.0	48.3	
S 131 1,3-Dichloropropene, Total	1				0		50.0	45.6	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

VOA8260SURR_00134	Amount Added:	1.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	1.00	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

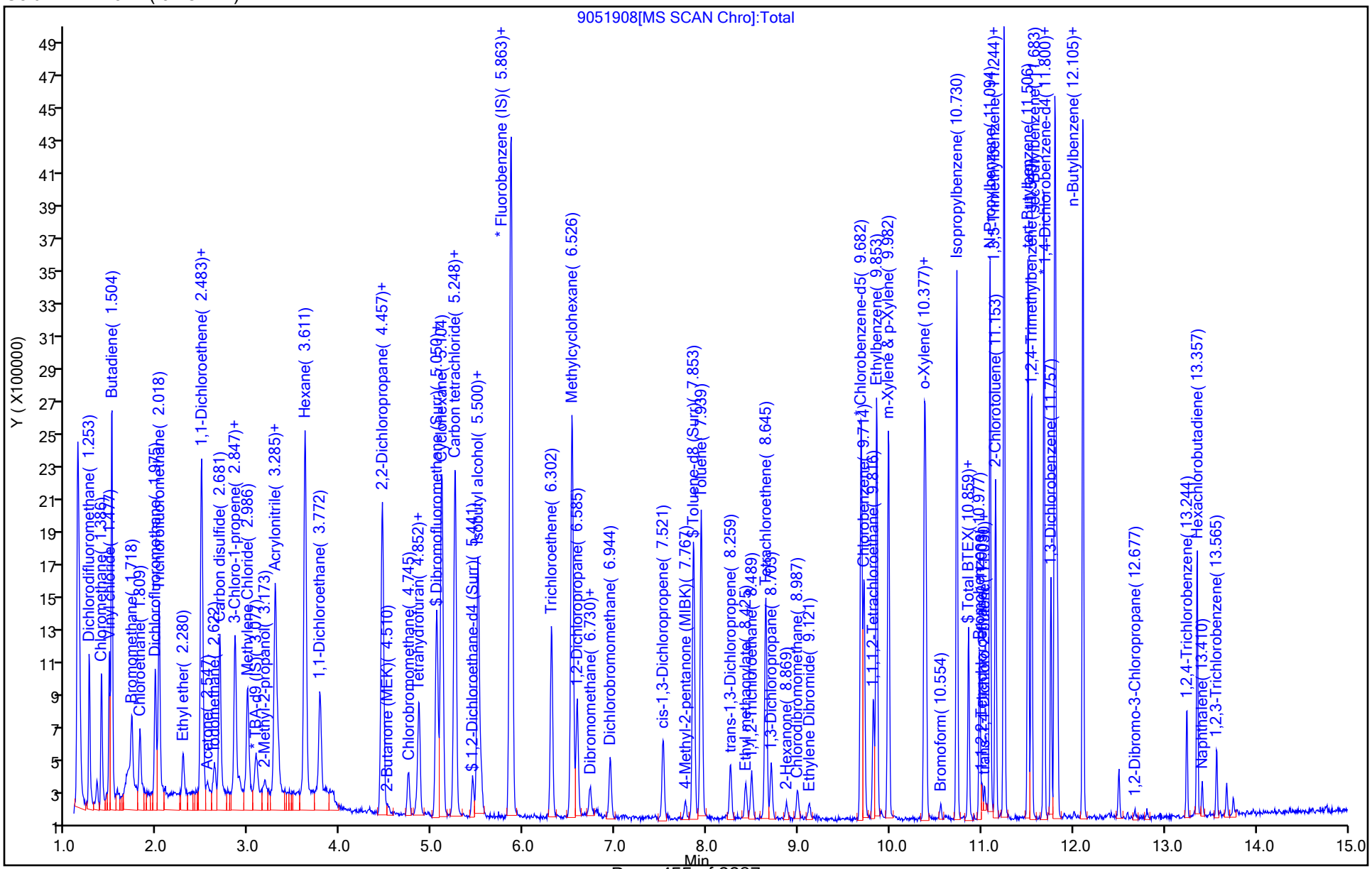
Report Date: 24-May-2022 07:01:39 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051908.D

Injection Date:	19-May-2022 11:42:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	IC VSTD5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

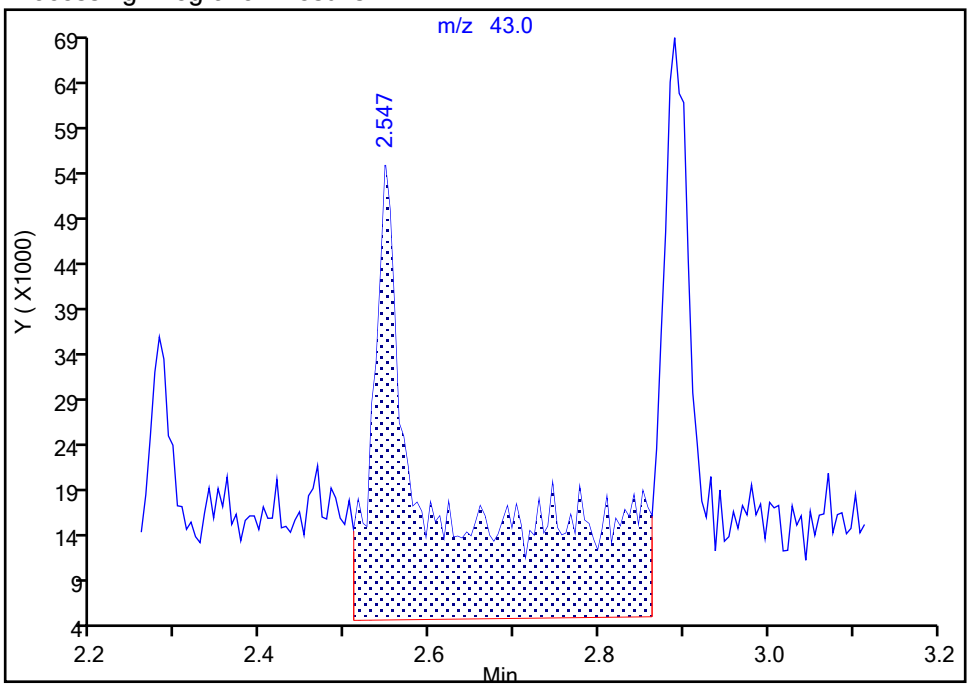
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051908.D
Injection Date: 19-May-2022 11:42:30 Instrument ID: CHHP9
Lims ID: IC VSTD5
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

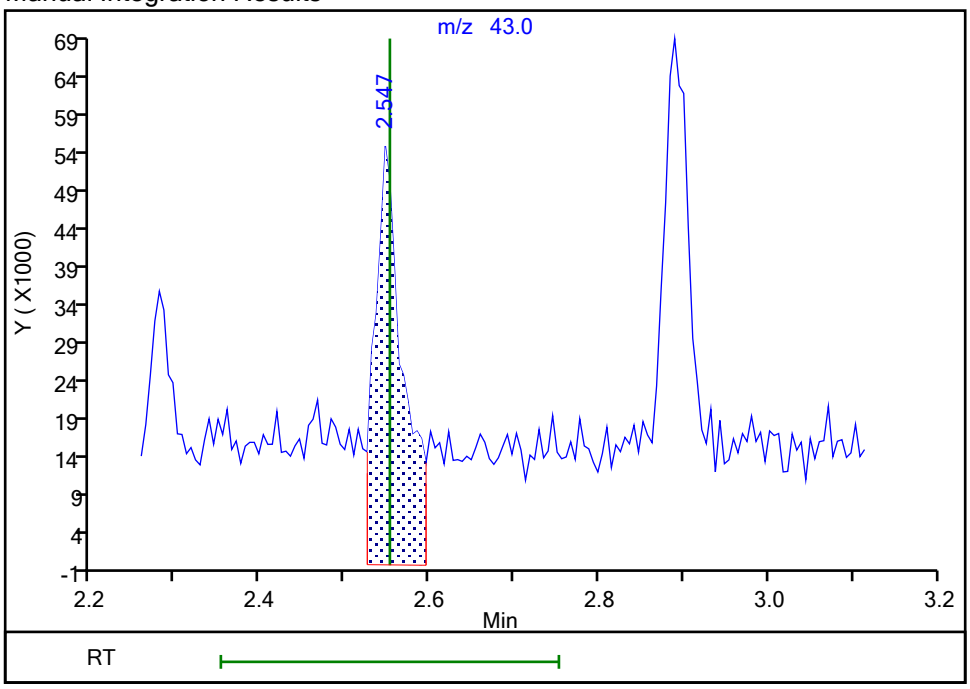
Processing Integration Results

RT: 2.55
Area: 288032
Amount: 56.194811
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 128526
Amount: 24.841257
Amount Units: ng



Reviewer: tangj, 19-May-2022 12:31:28
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051909.D
Lims ID: ICIS VSTD10
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 19-May-2022 12:03:30 ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-009
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:41 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 12:28:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.076	3.076	0.000	96	309270	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	98	2002699	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.687	9.687	0.000	92	349612	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	446141	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	86	336496	50.0	50.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	99	337308	50.0	50.0	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	94	2212328	50.0	50.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	85	548845	50.0	46.6	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	548548	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	1423324	50.0	52.4	
11 Chloromethane	50	1.386	1.386	0.000	99	1383423	50.0	53.1	
12 Vinyl chloride	62	1.477	1.477	0.000	97	1496632	50.0	53.3	
13 Butadiene	39	1.499	1.499	0.000	90	1465698	50.0	52.6	
14 Bromomethane	94	1.718	1.718	0.000	93	449482	50.0	51.0	
15 Chloroethane	64	1.809	1.809	0.000	98	676331	50.0	54.4	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	1438230	50.0	52.9	
16 Trichlorofluoromethane	101	2.017	2.017	0.000	98	1518226	50.0	52.4	
18 Ethyl ether	59	2.280	2.280	0.000	96	277242	50.0	50.9	
19 1,1-Dichloroethene	96	2.477	2.477	0.000	90	763207	50.0	53.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	95	850363	50.0	52.2	
26 Acetone	43	2.547	2.547	0.000	92	185494	50.0	51.1	M
23 Iodomethane	142	2.622	2.622	0.000	99	531759	50.0	51.5	
20 Carbon disulfide	76	2.681	2.681	0.000	99	2660166	50.0	54.0	
22 3-Chloro-1-propene	76	2.846	2.846	0.000	89	413346	50.0	54.7	
28 Methyl acetate	43	2.895	2.895	0.000	98	257322	100.0	110.1	
25 Methylene Chloride	84	2.986	2.986	0.000	95	470458	50.0	53.1	
31 2-Methyl-2-propanol	59	3.173	3.173	0.000	99	194339	500.0	464.8	
33 Acrylonitrile	53	3.274	3.274	0.000	82	559701	500.0	511.4	
27 trans-1,2-Dichloroethene	96	3.290	3.290	0.000	89	717613	50.0	54.3	
29 Methyl tert-butyl ether	73	3.312	3.312	0.000	97	674294	50.0	52.6	
30 Hexane	57	3.611	3.611	0.000	92	2446941	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.777	3.777	0.000	96	1380235	50.0	53.4	
37 2,2-Dichloropropane	77	4.451	4.451	0.000	89	1386459	50.0	53.2	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	90	586952	50.0	55.3	
45 2-Butanone (MEK)	43	4.526	4.526	0.000	98	141220	50.0	58.0	
39 Chlorobromomethane	128	4.740	4.740	0.000	89	145370	50.0	55.6	
63 Tetrahydrofuran	42	4.825	4.825	0.000	0	96247	100.0	96.9	
40 Chloroform	83	4.858	4.858	0.000	97	1032386	50.0	50.0	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	96	1347833	50.0	52.6	
38 Cyclohexane	56	5.104	5.104	0.000	95	2415513	50.0	51.7	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	1159694	50.0	52.6	
44 1,1-Dichloropropene	75	5.253	5.253	0.000	89	1332213	50.0	53.9	
47 Benzene	78	5.499	5.499	0.000	98	2649473	50.0	53.5	
67 Isobutyl alcohol	41	5.515	5.515	0.000	41	131550	1250.0	1150.7	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	97	474950	50.0	53.0	
48 n-Heptane	43	5.868	5.868	0.000	95	2320419	50.0	51.7	
51 Trichloroethene	130	6.302	6.302	0.000	95	751631	50.0	53.5	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	2005809	50.0	53.4	
54 1,2-Dichloropropane	63	6.580	6.580	0.000	94	532838	50.0	53.9	
52 Dibromomethane	93	6.724	6.724	0.000	96	119436	50.0	52.0	
57 1,4-Dioxane	88	6.799	6.799	0.000	89	40683	1000.0	1104.5	
56 Dichlorobromomethane	83	6.944	6.944	0.000	95	482101	50.0	52.2	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	544230	50.0	53.0	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	98	150562	50.0	51.0	
64 Toluene	91	7.938	7.938	0.000	98	2785849	50.0	53.5	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	98	368068	50.0	53.1	
72 Ethyl methacrylate	69	8.425	8.425	0.000	92	228201	50.0	51.9	
71 1,1,2-Trichloroethane	97	8.484	8.484	0.000	91	170976	50.0	50.0	
65 Tetrachloroethene	164	8.644	8.644	0.000	93	666274	50.0	52.5	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	97	344873	50.0	52.3	
79 2-Hexanone	43	8.869	8.869	0.000	97	145899	50.0	49.8	
73 Chlorodibromomethane	129	8.992	8.992	0.000	88	181119	50.0	51.4	
76 Ethylene Dibromide	107	9.120	9.120	0.000	96	145405	50.0	50.7	
80 Chlorobenzene	112	9.719	9.719	0.000	90	1352856	50.0	53.2	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	90	366487	50.0	52.8	
82 Ethylbenzene	106	9.853	9.853	0.000	99	1066274	50.0	54.1	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	1263069	50.0	52.9	
86 o-Xylene	106	10.377	10.377	0.000	97	1047872	50.0	53.7	
88 Styrene	104	10.393	10.393	0.000	95	1324660	50.0	53.0	
87 Bromoform	173	10.554	10.554	0.000	92	73930	50.0	51.7	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	3574580	50.0	52.2	
91 Bromobenzene	156	10.982	10.982	0.000	96	409682	50.0	52.3	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	96	150566	50.0	48.2	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	90	46246	50.0	49.1	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	72	41500	50.0	44.5	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	936300	50.0	53.6	
94 2-Chlorotoluene	126	11.153	11.153	0.000	96	604476	50.0	53.1	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	92	2560258	50.0	52.5	
98 4-Chlorotoluene	126	11.249	11.249	0.000	98	571023	50.0	52.6	
99 tert-Butylbenzene	119	11.511	11.511	0.000	94	2490181	50.0	52.1	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	2293260	50.0	52.2	
102 sec-Butylbenzene	105	11.682	11.682	0.000	95	3989139	50.0	51.5	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	95	858752	50.0	51.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	2903043	50.0	52.0	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	781373	50.0	50.4	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	2745133	50.0	51.6	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	93	593542	50.0	51.8	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	75	12760	50.0	36.3	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	93	340898	50.0	47.5	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	95	478456	50.0	49.2	
113 Naphthalene	128	13.410	13.410	0.000	98	271197	50.0	45.9	
114 1,2,3-Trichlorobenzene	180	13.565	13.565	0.000	94	214232	50.0	42.7	
S 129 Xylenes, Total	106				0		100.0	106.6	
S 130 1,2-Dichloroethene, Total	96				0		100.0	109.6	
S 131 1,3-Dichloropropene, Total	1				0		100.0	106.1	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

VOA8260SURR_00134	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	2.00	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

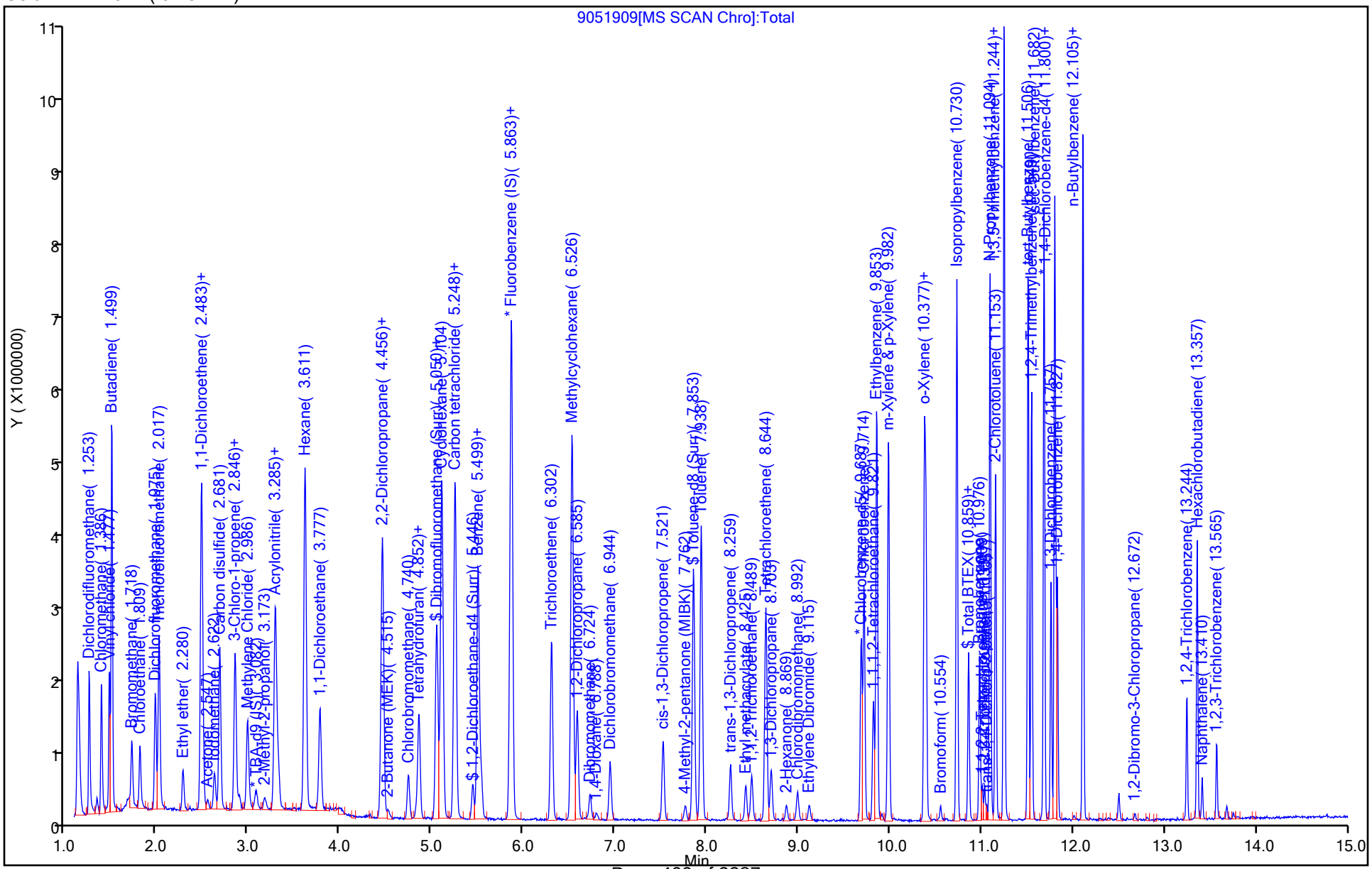
Report Date: 24-May-2022 07:01:41 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051909.D

Injection Date:	19-May-2022 12:03:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	ICIS VSTD10			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

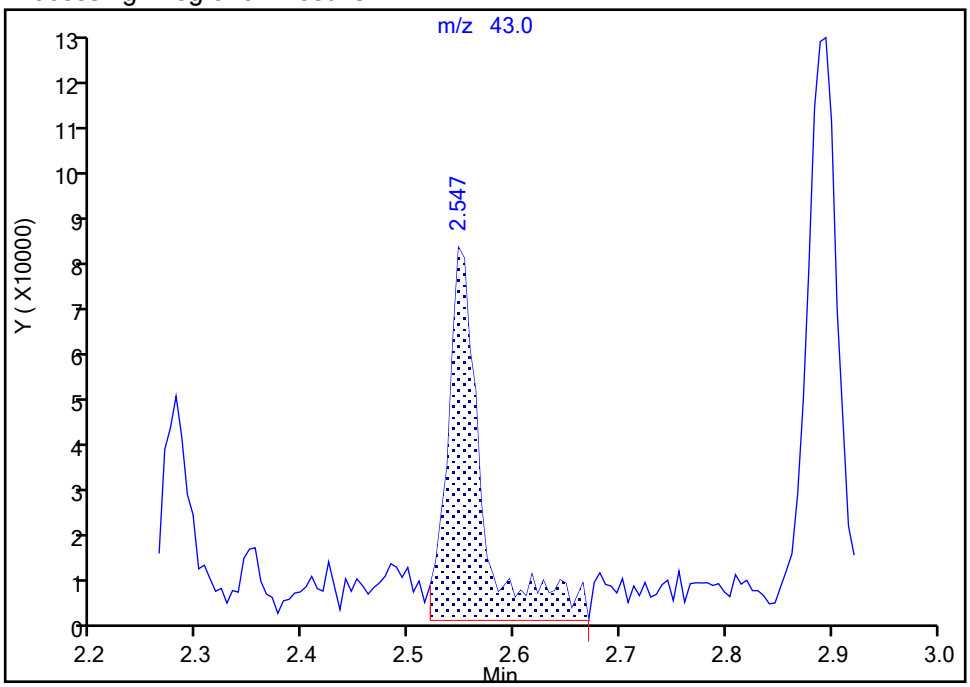
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051909.D
Injection Date: 19-May-2022 12:03:30 Instrument ID: CHHP9
Lims ID: ICIS VSTD10
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

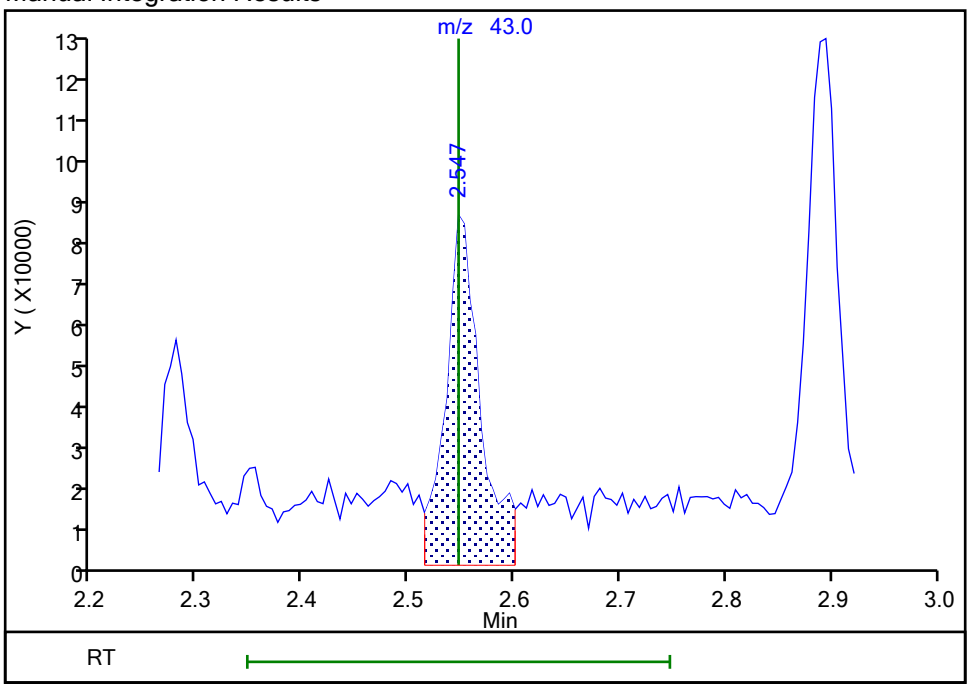
Processing Integration Results

RT: 2.55
Area: 161117
Amount: 47.113580
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 185494
Amount: 51.131757
Amount Units: ng



Reviewer: tangj, 19-May-2022 12:32:48
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051910.D
Lims ID: IC VSTD15
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-May-2022 12:24:30 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-010
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:43 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 12:56:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.076	0.001	96	289640	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.852	0.000	98	1931739	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.687	9.687	0.000	91	342153	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	443887	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	91	491255	75.0	76.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	98	469627	75.0	72.2	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	3193743	75.0	74.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	85	819469	75.0	71.1	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	819438	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	2101191	75.0	80.2	
11 Chloromethane	50	1.386	1.386	0.000	99	1942960	75.0	77.3	
12 Vinyl chloride	62	1.472	1.477	-0.005	97	2178829	75.0	80.4	
13 Butadiene	39	1.499	1.499	0.000	89	2114357	75.0	78.6	
14 Bromomethane	94	1.718	1.718	0.000	91	636260	75.0	74.9	
15 Chloroethane	64	1.809	1.809	0.000	99	919421	75.0	76.7	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	2063037	75.0	78.6	
16 Trichlorofluoromethane	101	2.018	2.017	0.001	98	2176866	75.0	77.9	
18 Ethyl ether	59	2.280	2.280	0.000	95	414490	75.0	78.9	
19 1,1-Dichloroethene	96	2.478	2.477	0.001	90	1083240	75.0	78.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	97	1251081	75.0	79.6	
26 Acetone	43	2.552	2.547	0.005	98	229167	75.0	73.4	M
23 Iodomethane	142	2.622	2.622	0.000	99	804495	75.0	78.8	
20 Carbon disulfide	76	2.681	2.681	0.000	99	3767383	75.0	79.3	
22 3-Chloro-1-propene	76	2.847	2.846	0.001	88	571278	75.0	78.4	
28 Methyl acetate	43	2.889	2.895	-0.006	93	356531	150.0	164.9	
25 Methylene Chloride	84	2.980	2.986	-0.006	94	638647	75.0	76.7	
31 2-Methyl-2-propanol	59	3.167	3.173	-0.006	99	282707	750.0	721.9	
33 Acrylonitrile	53	3.274	3.274	0.000	99	810824	750.0	768.0	
27 trans-1,2-Dichloroethene	96	3.291	3.290	0.000	89	1006225	75.0	78.9	
29 Methyl tert-butyl ether	73	3.317	3.312	0.005	98	949037	75.0	76.7	
30 Hexane	57	3.611	3.611	0.000	91	3567197	75.0	76.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.772	3.777	-0.005	96	1958351	75.0	78.6	
37 2,2-Dichloropropane	77	4.451	4.451	0.000	88	1951091	75.0	77.7	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	89	822542	75.0	80.3	
45 2-Butanone (MEK)	43	4.521	4.526	-0.005	97	181374	75.0	77.2	Ma
39 Chlorobromomethane	128	4.740	4.740	0.000	89	183950	75.0	72.9	
63 Tetrahydrofuran	42	4.826	4.825	0.001	0	132358	150.0	145.1	
40 Chloroform	83	4.852	4.858	-0.006	97	1440903	75.0	72.3	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	95	1958788	75.0	79.3	
38 Cyclohexane	56	5.104	5.104	0.000	95	3562089	75.0	79.0	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	1680479	75.0	79.1	
44 1,1-Dichloropropene	75	5.253	5.253	0.000	90	1893652	75.0	79.4	
47 Benzene	78	5.500	5.499	0.001	98	3768147	75.0	78.8	
67 Isobutyl alcohol	41	5.516	5.515	0.001	94	202618	1875.0	1837.5	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	97	680480	75.0	78.8	
48 n-Heptane	43	5.869	5.868	0.001	94	3410818	75.0	78.7	
51 Trichloroethene	130	6.302	6.302	0.000	94	1087497	75.0	80.3	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	2893970	75.0	79.8	
54 1,2-Dichloropropane	63	6.585	6.580	0.005	93	753695	75.0	79.0	
52 Dibromomethane	93	6.724	6.724	0.000	93	173642	75.0	77.1	
57 1,4-Dioxane	88	6.799	6.799	0.000	96	49561	1500.0	1440.3	
56 Dichlorobromomethane	83	6.944	6.944	0.000	97	673140	75.0	75.6	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	764195	75.0	77.1	
66 4-Methyl-2-pentanone (MIBK)	43	7.767	7.762	0.005	97	216340	75.0	74.9	
64 Toluene	91	7.938	7.938	0.000	97	3949764	75.0	77.6	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	98	517615	75.0	76.3	
72 Ethyl methacrylate	69	8.425	8.425	0.000	91	327462	75.0	76.1	
71 1,1,2-Trichloroethane	97	8.489	8.484	0.005	94	251718	75.0	75.2	
65 Tetrachloroethene	164	8.645	8.644	0.000	93	962674	75.0	77.6	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	97	496543	75.0	77.0	
79 2-Hexanone	43	8.869	8.869	0.000	98	200612	75.0	70.0	
73 Chlorodibromomethane	129	8.987	8.992	-0.005	89	262202	75.0	76.0	
76 Ethylene Dibromide	107	9.115	9.120	-0.005	94	215641	75.0	76.8	
80 Chlorobenzene	112	9.714	9.719	-0.005	90	1910124	75.0	76.8	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	91	519397	75.0	76.5	
82 Ethylbenzene	106	9.853	9.853	0.000	99	1545580	75.0	80.1	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	1837894	75.0	78.7	
86 o-Xylene	106	10.377	10.377	0.000	98	1496112	75.0	78.3	
88 Styrene	104	10.394	10.393	0.001	94	1957850	75.0	80.1	
87 Bromoform	173	10.554	10.554	0.000	90	101474	75.0	72.5	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	5276018	75.0	78.7	
91 Bromobenzene	156	10.982	10.982	0.000	97	614056	75.0	78.8	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	95	231193	75.0	75.6	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	92	70301	75.0	76.4	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	70	71365	75.0	75.7	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	1379274	75.0	79.4	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	876804	75.0	77.4	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	94	3820249	75.0	78.8	
98 4-Chlorotoluene	126	11.249	11.249	0.000	98	840218	75.0	77.8	
99 tert-Butylbenzene	119	11.506	11.511	-0.005	94	3732568	75.0	78.4	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	3468646	75.0	79.3	
102 sec-Butylbenzene	105	11.683	11.682	0.001	95	6104591	75.0	79.3	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	95	1297615	75.0	78.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	4423533	75.0	79.7	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	1204589	75.0	78.0	
106 n-Butylbenzene	91	12.105	12.105	0.000	99	4303067	75.0	81.2	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	93	900292	75.0	79.0	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	79	24578	75.0	70.3	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	94	572288	75.0	80.1	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	97	773988	75.0	79.9	
113 Naphthalene	128	13.410	13.410	0.000	98	492236	75.0	77.5	
114 1,2,3-Trichlorobenzene	180	13.571	13.565	0.006	94	373134	75.0	72.0	
S 129 Xylenes, Total	106				0		150.0	157.0	
S 130 1,2-Dichloroethene, Total	96				0		150.0	159.2	
S 131 1,3-Dichloropropene, Total	1				0		150.0	153.4	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

VOA8260SURR_00134	Amount Added:	3.00	Units: uL		
VOA8260VOAPRI_00516	Amount Added:	3.00	Units: uL		
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent	

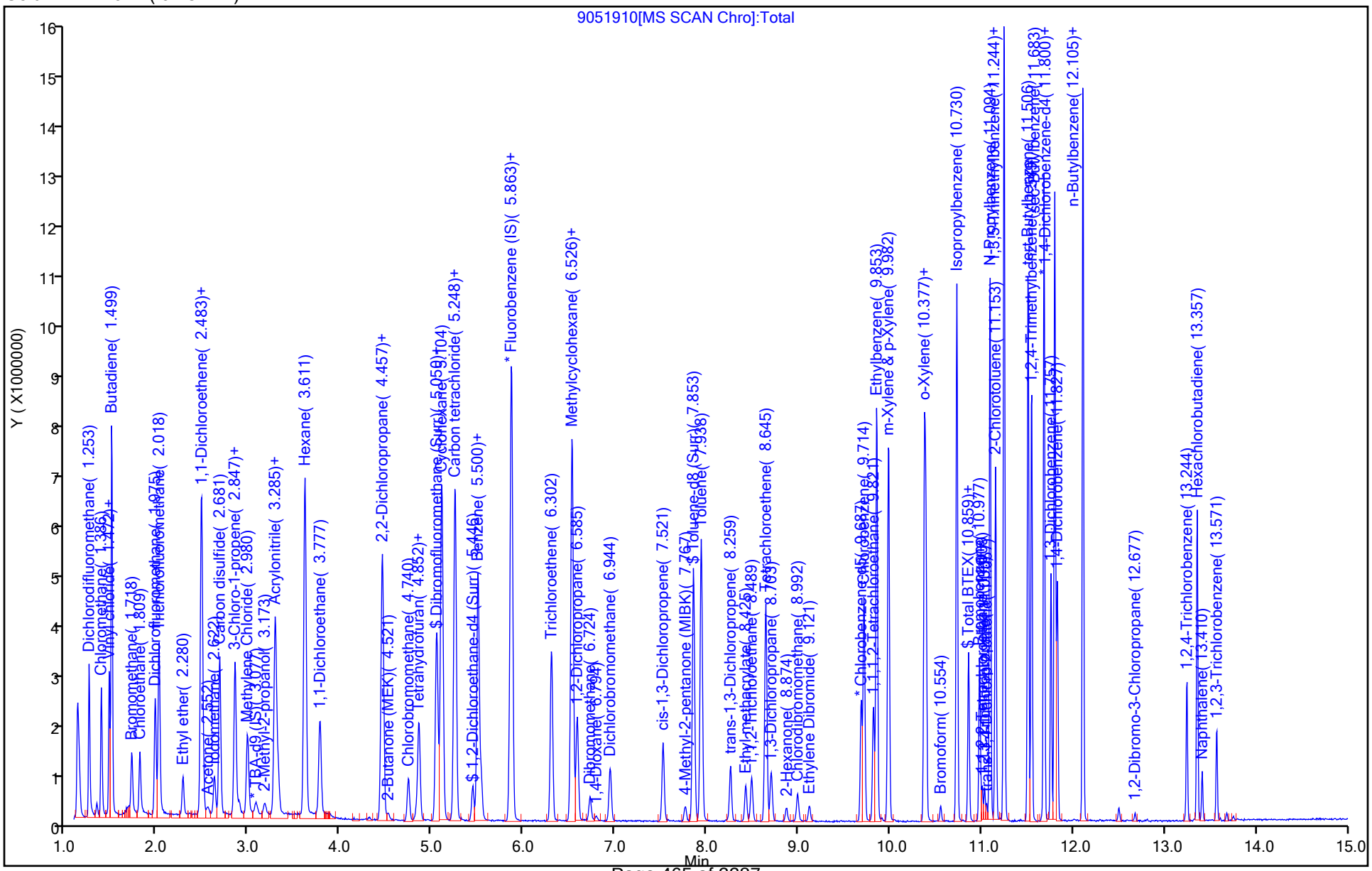
Report Date: 24-May-2022 07:01:44 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051910.D

Injection Date:	19-May-2022 12:24:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	IC VSTD15			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

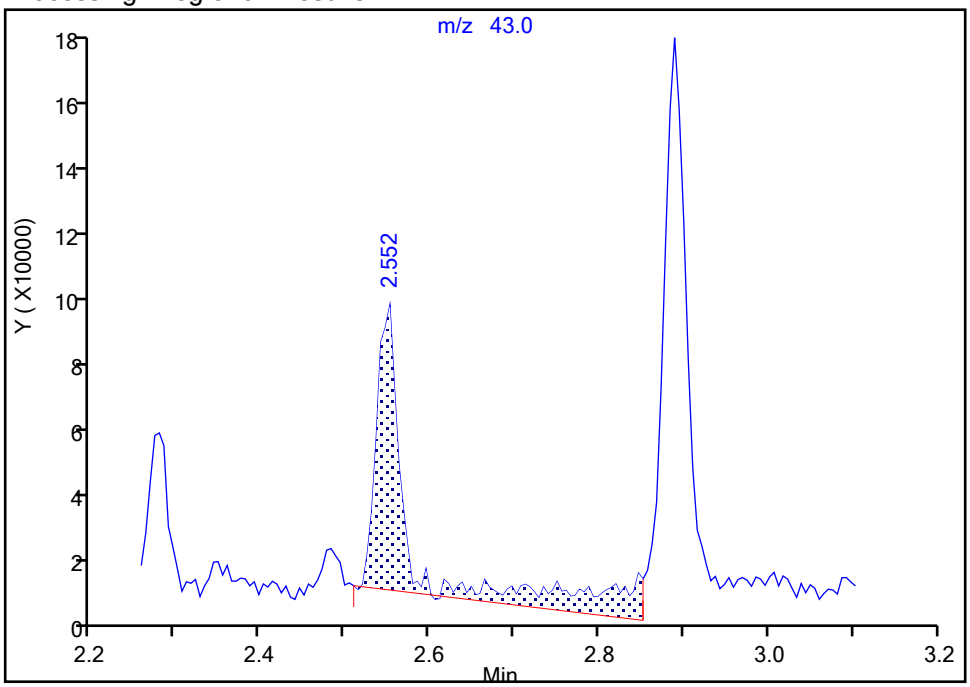
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051910.D
Injection Date: 19-May-2022 12:24:30 Instrument ID: CHHP9
Lims ID: IC VSTD15
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

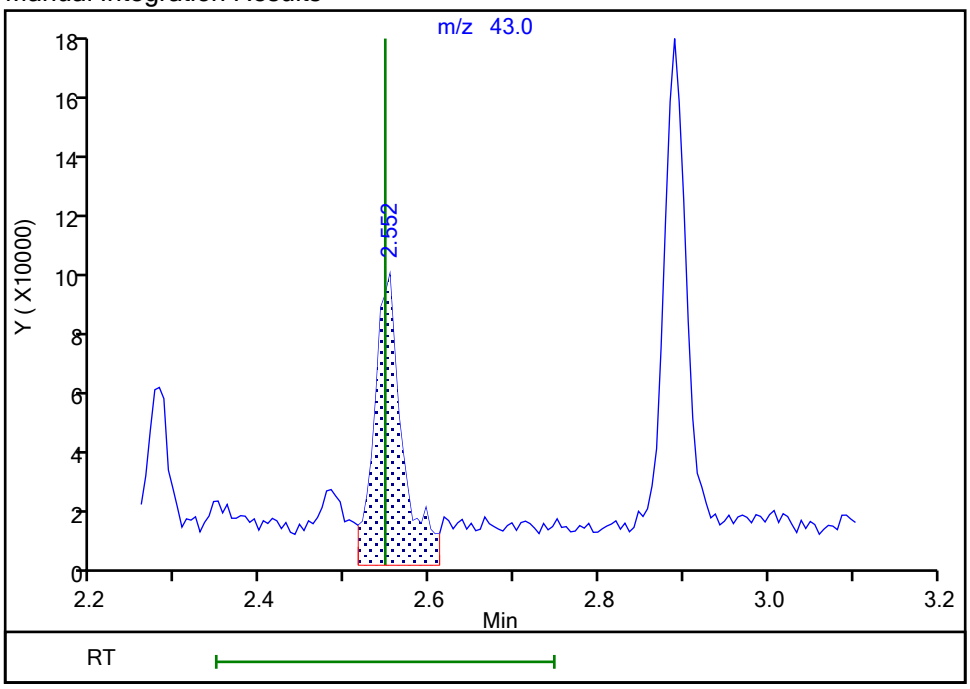
Processing Integration Results

RT: 2.55
Area: 232342
Amount: 74.412917
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 229167
Amount: 73.430433
Amount Units: ng



Reviewer: tangj, 19-May-2022 12:54:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

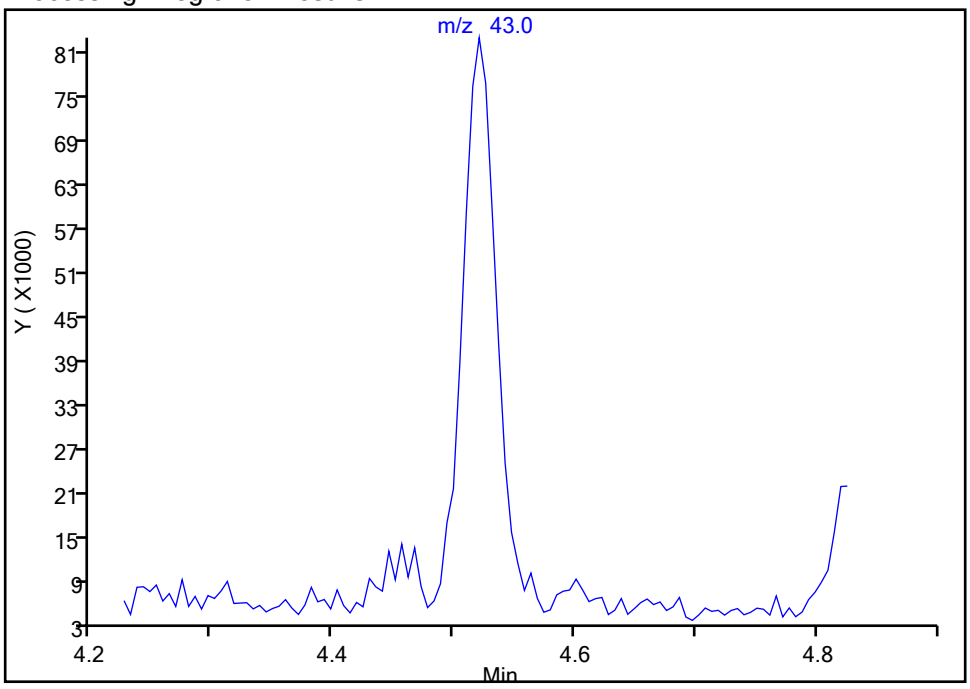
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051910.D
Injection Date: 19-May-2022 12:24:30 Instrument ID: CHHP9
Lims ID: IC VSTD15
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

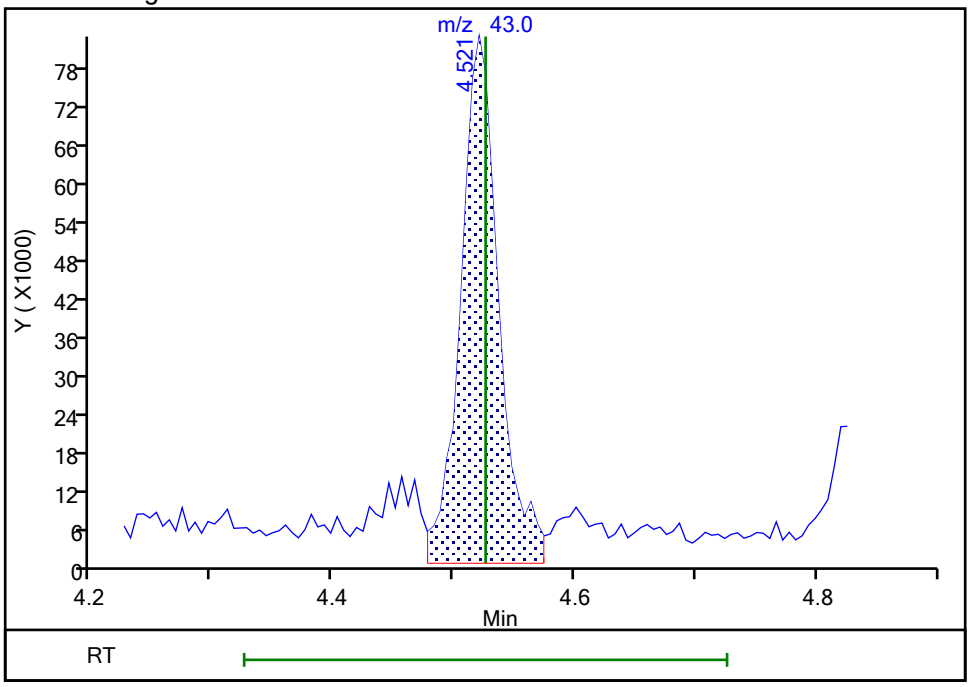
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 181374
Amount: 77.181747
Amount Units: ng



Reviewer: tangj, 19-May-2022 12:56:05
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051911.D
Lims ID: IC VSTD20
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-May-2022 12:46:30 ALS Bottle#: 1 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-011
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:47 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 13:44:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.076	3.076	0.000	95	311035	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	97	1984076	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.687	9.687	0.000	92	359224	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	476828	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	92	753303	100.0	114.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.446	-0.005	99	710269	100.0	106.3	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	4677402	100.0	104.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	85	1224486	100.0	101.2	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	1220823	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	2955929	100.0	109.8	
11 Chloromethane	50	1.386	1.386	0.000	99	2781473	100.0	107.8	
12 Vinyl chloride	62	1.477	1.477	0.000	97	3101275	100.0	111.4	
13 Butadiene	39	1.504	1.499	0.005	90	3008519	100.0	108.9	
14 Bromomethane	94	1.718	1.718	0.000	91	908649	100.0	104.1	
15 Chloroethane	64	1.809	1.809	0.000	99	1332451	100.0	108.2	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	2987705	100.0	110.8	
16 Trichlorofluoromethane	101	2.017	2.017	0.000	98	3145182	100.0	109.6	
18 Ethyl ether	59	2.279	2.280	-0.001	96	584682	100.0	108.3	
19 1,1-Dichloroethene	96	2.477	2.477	0.000	89	1528834	100.0	108.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	95	1756643	100.0	108.9	
26 Acetone	43	2.552	2.547	0.005	98	297900	100.0	100.4	M
23 Iodomethane	142	2.622	2.622	0.000	99	1185584	100.0	111.4	
20 Carbon disulfide	76	2.681	2.681	0.000	99	5544323	100.0	113.6	
22 3-Chloro-1-propene	76	2.846	2.846	0.000	88	834079	100.0	111.5	
28 Methyl acetate	43	2.889	2.895	-0.006	99	438484	200.0	200.5	
25 Methylene Chloride	84	2.986	2.986	0.000	94	907764	100.0	108.1	
31 2-Methyl-2-propanol	59	3.173	3.173	0.000	99	409990	1000.0	974.9	
33 Acrylonitrile	53	3.280	3.274	0.006	98	1141718	1000.0	1052.9	
27 trans-1,2-Dichloroethene	96	3.290	3.290	0.000	89	1449716	100.0	110.7	
29 Methyl tert-butyl ether	73	3.312	3.312	0.000	99	1410043	100.0	111.0	
30 Hexane	57	3.611	3.611	0.000	92	5047026	100.0	105.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.777	3.777	0.000	96	2871659	100.0	112.2	
37 2,2-Dichloropropane	77	4.451	4.451	0.000	88	2773524	100.0	107.5	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	89	1195528	100.0	113.7	
45 2-Butanone (MEK)	43	4.521	4.526	-0.005	98	265135	100.0	109.8	
39 Chlorobromomethane	128	4.745	4.740	0.005	89	275225	100.0	106.2	
63 Tetrahydrofuran	42	4.825	4.825	0.000	0	207934	200.0	230.6	
40 Chloroform	83	4.858	4.858	0.000	97	2063581	100.0	100.9	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	95	2779342	100.0	109.6	
38 Cyclohexane	56	5.104	5.104	0.000	95	5109325	100.0	110.3	
41 Carbon tetrachloride	117	5.243	5.243	0.000	94	2434602	100.0	111.5	
44 1,1-Dichloropropene	75	5.253	5.253	0.000	90	2706958	100.0	110.5	
47 Benzene	78	5.499	5.499	0.000	98	5436692	100.0	110.8	
67 Isobutyl alcohol	41	5.515	5.515	0.000	94	292074	2500.0	2578.8	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	97	989695	100.0	111.5	
48 n-Heptane	43	5.868	5.868	0.000	95	4913021	100.0	110.4	
51 Trichloroethene	130	6.302	6.302	0.000	94	1538105	100.0	110.6	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	4100392	100.0	110.1	
54 1,2-Dichloropropane	63	6.585	6.580	0.005	92	1073482	100.0	109.5	
52 Dibromomethane	93	6.724	6.724	0.000	95	243301	100.0	104.1	
57 1,4-Dioxane	88	6.799	6.799	0.000	94	71286	2000.0	2085.9	
56 Dichlorobromomethane	83	6.944	6.944	0.000	96	995622	100.0	108.9	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	1143132	100.0	112.3	
66 4-Methyl-2-pentanone (MIBK)	43	7.767	7.762	0.005	99	322541	100.0	106.3	
64 Toluene	91	7.938	7.938	0.000	97	5736865	100.0	107.3	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	97	772005	100.0	108.3	
72 Ethyl methacrylate	69	8.425	8.425	0.000	92	477235	100.0	105.6	
71 1,1,2-Trichloroethane	97	8.489	8.484	0.005	94	373583	100.0	106.3	
65 Tetrachloroethene	164	8.644	8.644	0.000	93	1403416	100.0	107.7	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	96	722270	100.0	106.7	
79 2-Hexanone	43	8.869	8.869	0.000	97	300540	100.0	99.8	
73 Chlorodibromomethane	129	8.992	8.992	0.000	89	388887	100.0	107.3	
76 Ethylene Dibromide	107	9.120	9.120	0.000	98	304212	100.0	103.2	
80 Chlorobenzene	112	9.714	9.719	-0.005	90	2831938	100.0	108.4	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	91	788187	100.0	110.6	
82 Ethylbenzene	106	9.853	9.853	0.000	99	2190536	100.0	108.1	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	98	2643904	100.0	107.8	
86 o-Xylene	106	10.377	10.377	0.000	98	2186795	100.0	109.0	
88 Styrene	104	10.393	10.393	0.000	94	2904197	100.0	113.2	
87 Bromoform	173	10.554	10.554	0.000	94	153352	100.0	104.3	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	7682593	100.0	109.1	
91 Bromobenzene	156	10.976	10.982	-0.006	97	875952	100.0	104.7	
93 1,1,2,2-Tetrachloroethane	83	11.008	11.009	-0.001	96	346391	100.0	107.9	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	91	99996	100.0	102.0	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	75	101590	100.0	99.8	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	1993217	100.0	106.9	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	1293736	100.0	106.3	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	94	5591912	100.0	107.4	
98 4-Chlorotoluene	126	11.249	11.249	0.000	98	1212317	100.0	104.4	
99 tert-Butylbenzene	119	11.506	11.511	-0.005	94	5480266	100.0	107.2	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	5071116	100.0	108.0	
102 sec-Butylbenzene	105	11.682	11.682	0.000	95	8889188	100.0	107.4	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	95	1929480	100.0	108.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	6573904	100.0	110.2	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	91	1801265	100.0	108.6	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	6366068	100.0	111.9	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	92	1348047	100.0	110.1	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	74	36070	100.0	96.1	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	93	917180	100.0	119.5	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	96	1205736	100.0	115.9	
113 Naphthalene	128	13.410	13.410	0.000	98	789746	100.0	109.5	
114 1,2,3-Trichlorobenzene	180	13.565	13.565	0.000	94	595775	100.0	105.2	
S 129 Xylenes, Total	106				0		200.0	216.8	
S 130 1,2-Dichloroethene, Total	96				0		200.0	224.3	
S 131 1,3-Dichloropropene, Total	1				0		200.0	220.7	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

VOA8260SURR_00134	Amount Added:	4.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	4.00	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 24-May-2022 07:01:47 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051911.D

Injection Date: 19-May-2022 12:46:30 Instrument ID: CHHP9 Operator ID: 10099

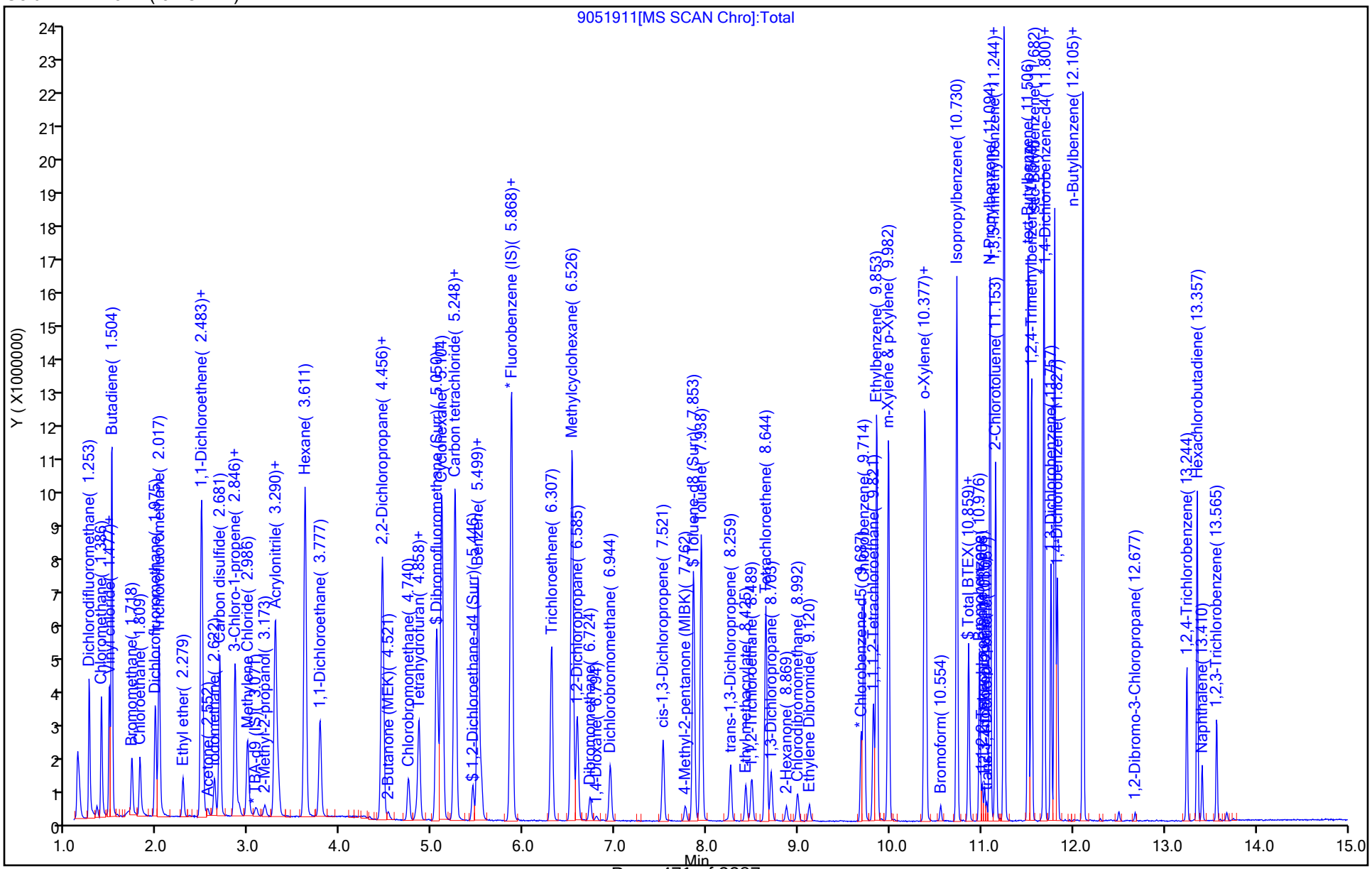
Lims ID: IC VSTD20 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

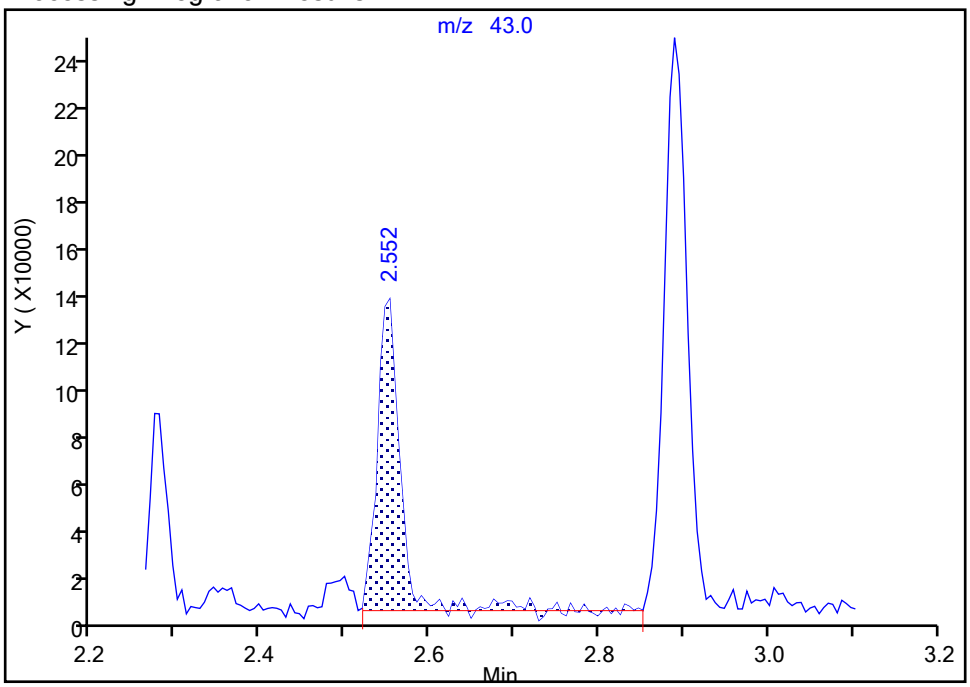
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051911.D
Injection Date: 19-May-2022 12:46:30 Instrument ID: CHHP9
Lims ID: IC VSTD20
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

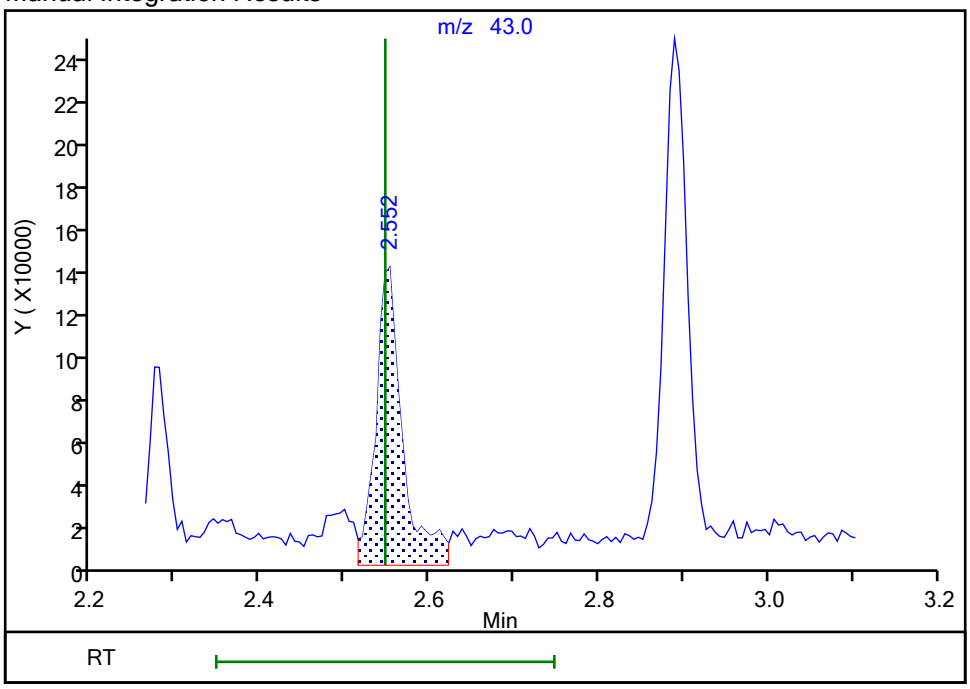
Processing Integration Results

RT: 2.55
Area: 231478
Amount: 91.774462
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 297900
Amount: 100.4464
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:42:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D
Lims ID: IC VSTD35
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-May-2022 13:07:30 ALS Bottle#: 1 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-012
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:50 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 14:58:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.076	0.001	97	321469	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.852	0.001	98	2232520	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	92	396941	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	95	510375	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	93	1319347	175.0	178.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	100	1269146	175.0	168.7	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	8324686	175.0	167.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	84	2209211	175.0	165.2	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	2205225	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	4910283	175.0	162.1	
11 Chloromethane	50	1.386	1.386	0.000	99	4557002	175.0	156.9	
12 Vinyl chloride	62	1.472	1.477	-0.005	97	5043698	175.0	161.0	
13 Butadiene	39	1.499	1.499	0.000	89	4933209	175.0	158.8	
14 Bromomethane	94	1.723	1.718	0.005	92	1500397	175.0	152.8	
15 Chloroethane	64	1.809	1.809	0.000	99	2213763	175.0	159.8	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	4853081	175.0	160.0	
16 Trichlorofluoromethane	101	2.018	2.017	0.001	98	5267989	175.0	163.1	
18 Ethyl ether	59	2.280	2.280	0.000	97	998469	175.0	164.4	
19 1,1-Dichloroethene	96	2.478	2.477	0.001	89	2529080	175.0	158.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	96	2924135	175.0	161.0	
26 Acetone	43	2.552	2.547	0.005	98	416275	175.0	131.6	M
23 Iodomethane	142	2.622	2.622	0.000	100	2050892	175.0	169.3	
20 Carbon disulfide	76	2.681	2.681	0.000	100	9219078	175.0	167.9	
22 3-Chloro-1-propene	76	2.847	2.846	0.001	89	1377360	175.0	163.6	
28 Methyl acetate	43	2.889	2.895	-0.006	99	777515	350.0	324.8	
25 Methylene Chloride	84	2.980	2.986	-0.006	94	1493043	175.0	160.2	
31 2-Methyl-2-propanol	59	3.173	3.173	0.000	99	732837	1750.0	1686.1	
33 Acrylonitrile	53	3.275	3.274	0.001	100	2071462	1750.0	1697.7	
27 trans-1,2-Dichloroethene	96	3.285	3.290	-0.005	89	2409463	175.0	163.5	
29 Methyl tert-butyl ether	73	3.312	3.312	0.000	98	2434819	175.0	170.3	
30 Hexane	57	3.612	3.611	0.001	92	8286813	175.0	153.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.777	3.777	0.000	96	4738088	175.0	164.5	
37 2,2-Dichloropropane	77	4.457	4.451	0.006	89	4521428	175.0	155.7	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	89	1951397	175.0	164.9	
45 2-Butanone (MEK)	43	4.521	4.526	-0.005	92	401253	175.0	147.7	M
39 Chlorobromomethane	128	4.740	4.740	0.000	90	478534	175.0	164.1	
63 Tetrahydrofuran	42	4.826	4.825	0.001	0	333427	350.0	335.6	
40 Chloroform	83	4.852	4.858	-0.006	97	3388501	175.0	147.2	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	96	4683682	175.0	164.1	
38 Cyclohexane	56	5.104	5.104	0.000	94	8470665	175.0	162.5	
41 Carbon tetrachloride	117	5.243	5.243	0.000	94	4128504	175.0	168.1	
44 1,1-Dichloropropene	75	5.254	5.253	0.001	89	4436657	175.0	161.0	
47 Benzene	78	5.500	5.499	0.001	98	9025851	175.0	163.4	
67 Isobutyl alcohol	41	5.516	5.515	0.001	94	536123	4375.0	4206.9	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	96	1691297	175.0	169.4	
48 n-Heptane	43	5.869	5.868	0.001	95	8164066	175.0	163.0	
51 Trichloroethene	130	6.302	6.302	0.000	95	2547454	175.0	162.8	
50 Methylcyclohexane	83	6.527	6.526	0.001	98	6833841	175.0	163.1	
54 1,2-Dichloropropane	63	6.585	6.580	0.005	91	1806077	175.0	163.8	
52 Dibromomethane	93	6.724	6.724	0.000	96	441625	175.0	166.3	
57 1,4-Dioxane	88	6.794	6.799	-0.005	98	123644	3500.0	3308.6	
56 Dichlorobromomethane	83	6.944	6.944	0.000	96	1756034	175.0	170.7	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	90	1967202	175.0	171.8	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	98	560614	175.0	167.2	
64 Toluene	91	7.939	7.938	0.001	97	9511727	175.0	161.0	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	97	1385662	175.0	176.0	
72 Ethyl methacrylate	69	8.425	8.425	0.000	93	852474	175.0	170.7	
71 1,1,2-Trichloroethane	97	8.489	8.484	0.005	95	642172	175.0	165.4	
65 Tetrachloroethene	164	8.645	8.644	0.001	93	2281976	175.0	158.5	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	98	1258156	175.0	168.2	
79 2-Hexanone	43	8.869	8.869	0.000	96	501337	175.0	150.7	
73 Chlorodibromomethane	129	8.992	8.992	0.000	89	709782	175.0	177.3	
76 Ethylene Dibromide	107	9.121	9.120	0.001	98	547425	175.0	168.1	
80 Chlorobenzene	112	9.714	9.719	-0.005	90	4752152	175.0	164.7	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	92	1323244	175.0	168.1	
82 Ethylbenzene	106	9.853	9.853	0.000	99	3660286	175.0	163.4	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	4441447	175.0	163.9	
86 o-Xylene	106	10.378	10.377	0.001	98	3686805	175.0	166.3	
88 Styrene	104	10.394	10.393	0.001	94	4952994	175.0	174.7	
87 Bromoform	173	10.554	10.554	0.000	94	296656	175.0	182.6	
89 Isopropylbenzene	105	10.731	10.730	0.001	98	12086257	175.0	155.4	e
91 Bromobenzene	156	10.982	10.982	0.000	97	1501255	175.0	167.6	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	95	621150	175.0	175.1	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	89	177883	175.0	171.2	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	83	197438	175.0	179.9	
92 N-Propylbenzene	120	11.089	11.094	-0.005	96	3259063	175.0	163.2	e
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	2146376	175.0	164.8	a
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	94	9303232	175.0	166.9	
98 4-Chlorotoluene	126	11.249	11.249	0.000	99	2009686	175.0	161.7	a
99 tert-Butylbenzene	119	11.511	11.511	0.000	94	9117614	175.0	166.6	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	8441499	175.0	167.9	
102 sec-Butylbenzene	105	11.677	11.682	-0.005	97	12064910	175.0	136.2	e
104 1,3-Dichlorobenzene	146	11.758	11.757	0.001	96	3273276	175.0	171.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.795	11.800	-0.005	98	10369395	175.0	162.4	e
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	3022147	175.0	170.3	
106 n-Butylbenzene	91	12.105	12.105	0.000	96	9921941	175.0	162.9	e
107 1,2-Dichlorobenzene	146	12.111	12.110	0.000	55	2185625	175.0	166.7	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	72	69234	175.0	172.3	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	94	1507334	175.0	183.4	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	97	1983082	175.0	178.1	
113 Naphthalene	128	13.410	13.410	0.000	98	1388964	175.0	166.0	
114 1,2,3-Trichlorobenzene	180	13.571	13.565	0.006	94	997562	175.0	162.4	
S 129 Xylenes, Total	106				0		350.0	330.2	
S 130 1,2-Dichloroethene, Total	96				0		350.0	328.4	
S 131 1,3-Dichloropropene, Total	1				0		350.0	347.8	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- e - Potential Peak Saturated

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

Reagents:

VOA8260SURR_00134	Amount Added:	7.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	7.00	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

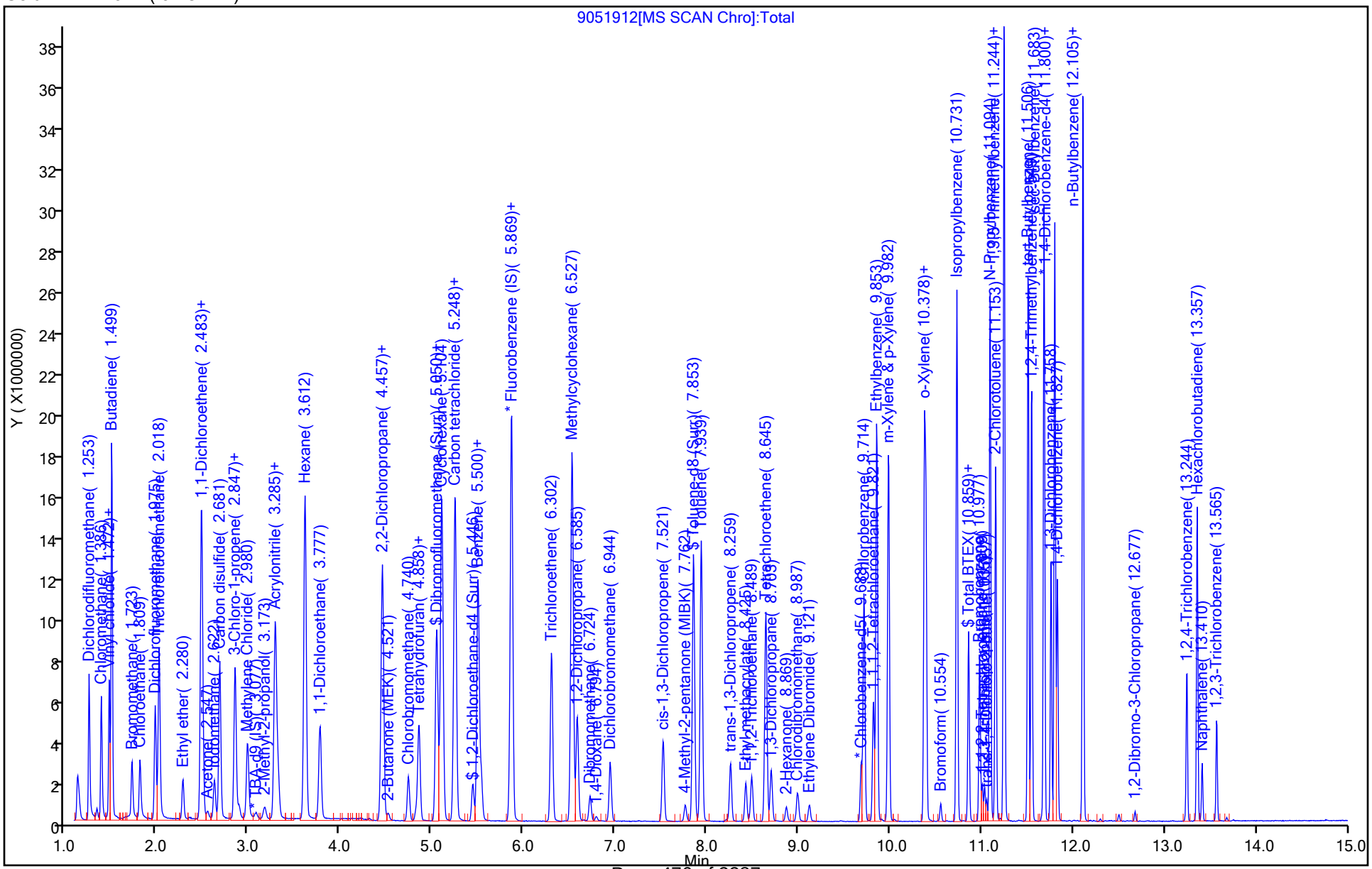
Report Date: 24-May-2022 07:01:51 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D

Injection Date:	19-May-2022 13:07:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	IC VSTD35			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

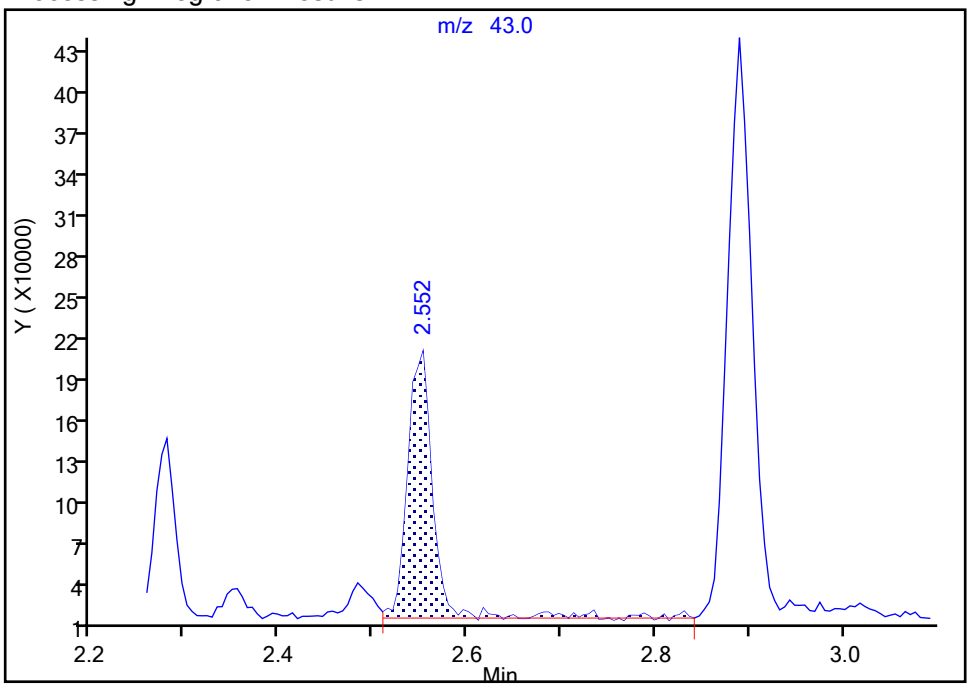
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D
Injection Date: 19-May-2022 13:07:30 Instrument ID: CHHP9
Lims ID: IC VSTD35
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

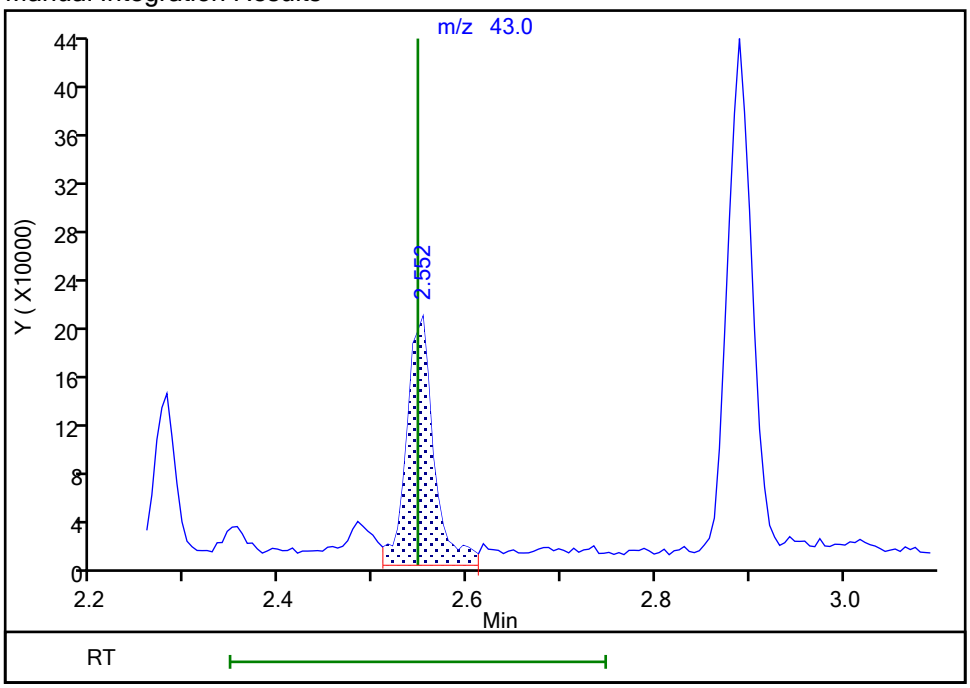
Processing Integration Results

RT: 2.55
Area: 370416
Amount: 135.4245
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 416275
Amount: 131.5784
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:45:11
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

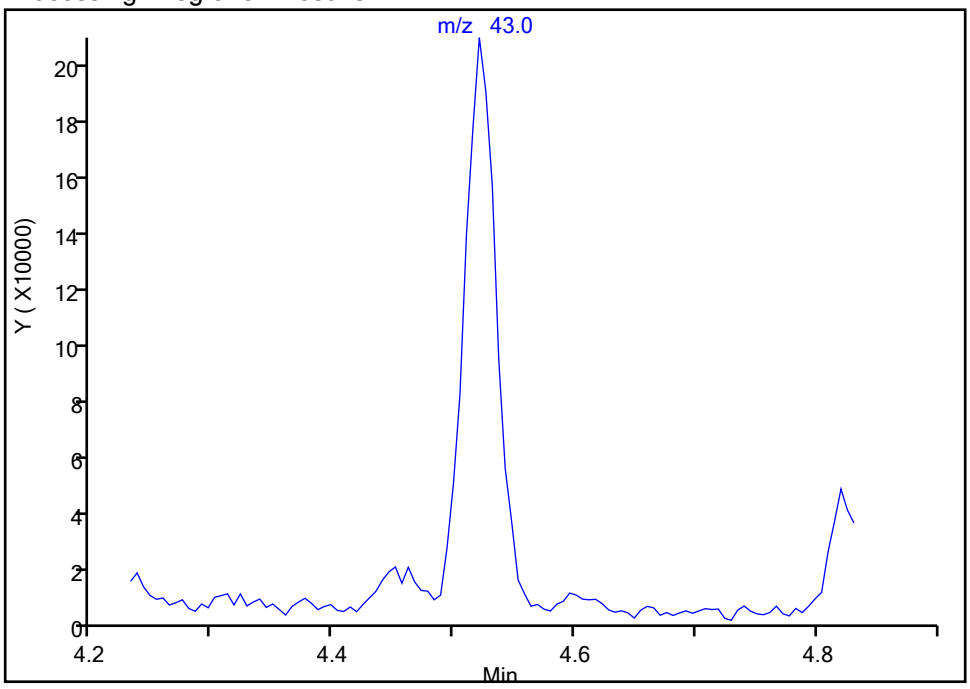
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D
Injection Date: 19-May-2022 13:07:30 Instrument ID: CHHP9
Lims ID: IC VSTD35
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

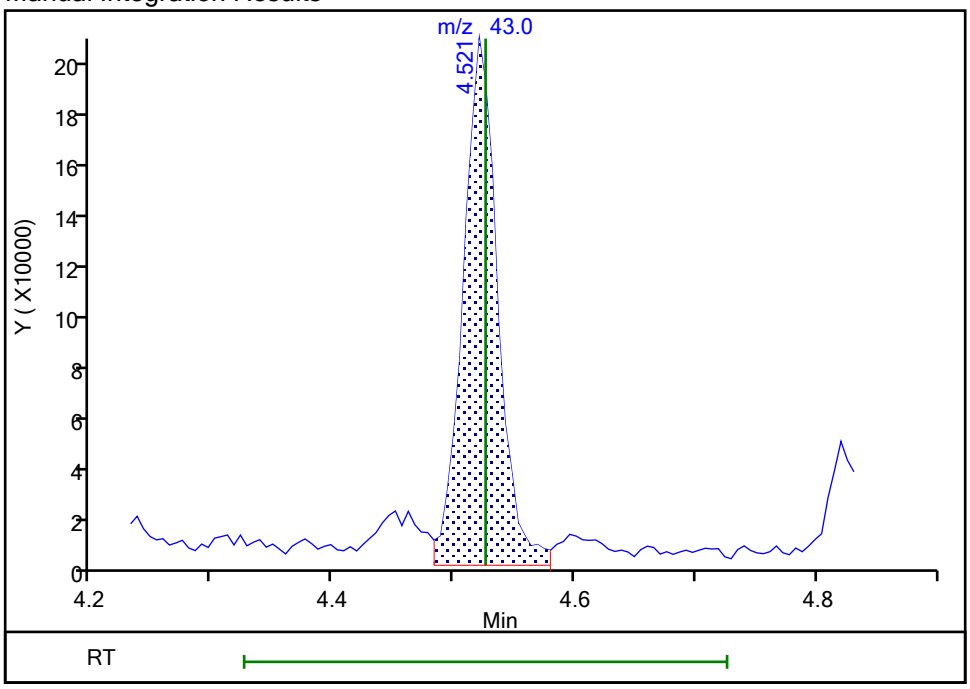
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 401253
Amount: 147.7444
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:46:28
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

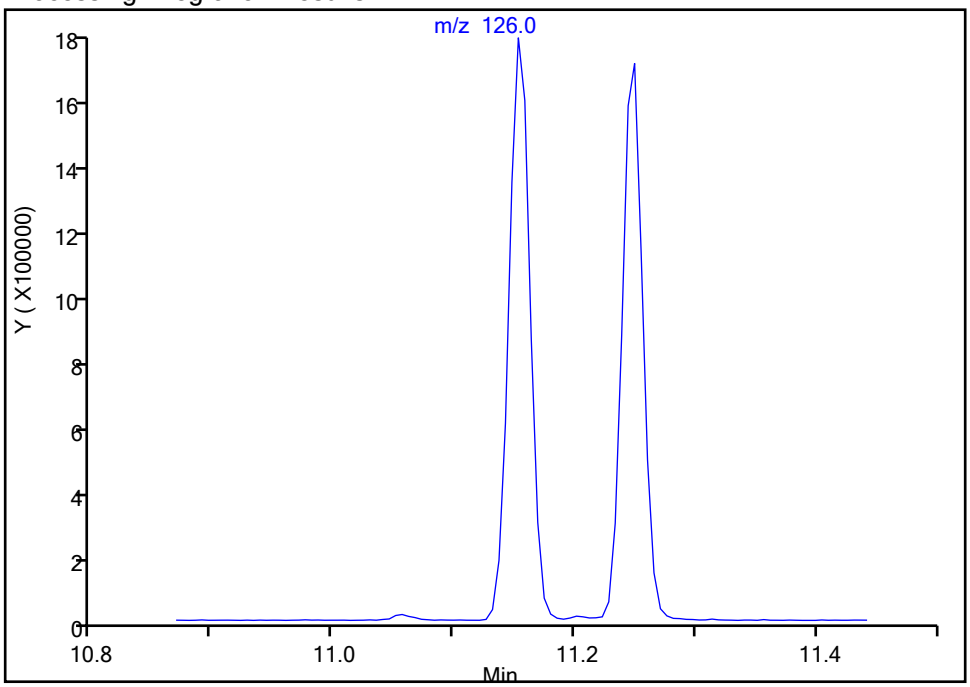
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D
Injection Date: 19-May-2022 13:07:30 Instrument ID: CHHP9
Lims ID: IC VSTD35
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

94 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

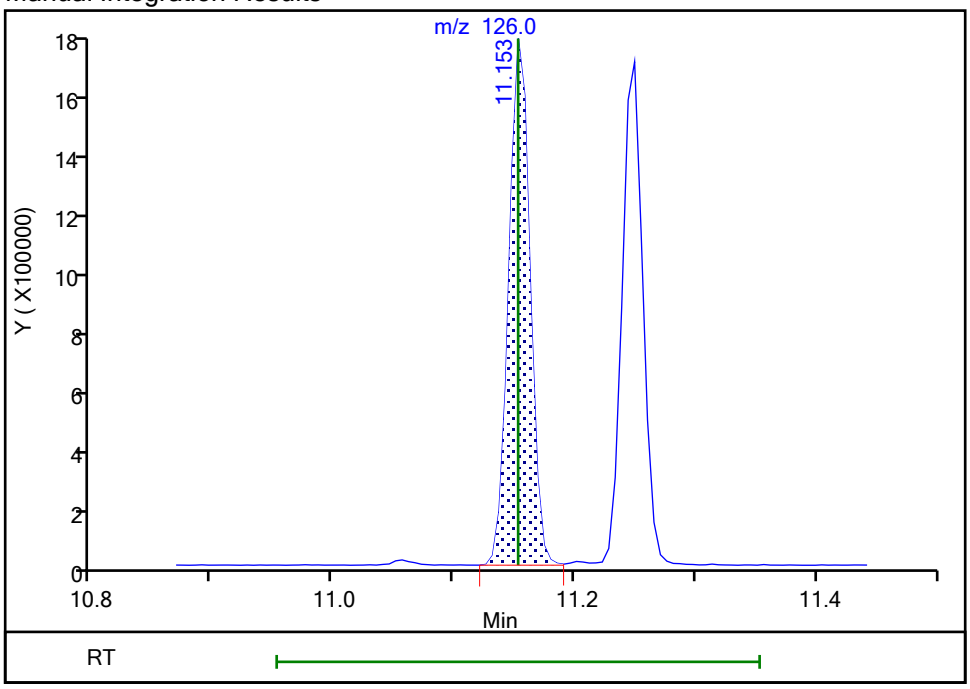
Not Detected
Expected RT: 11.15

Processing Integration Results



Manual Integration Results

RT: 11.15
Area: 2146376
Amount: 164.7552
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:47:52
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

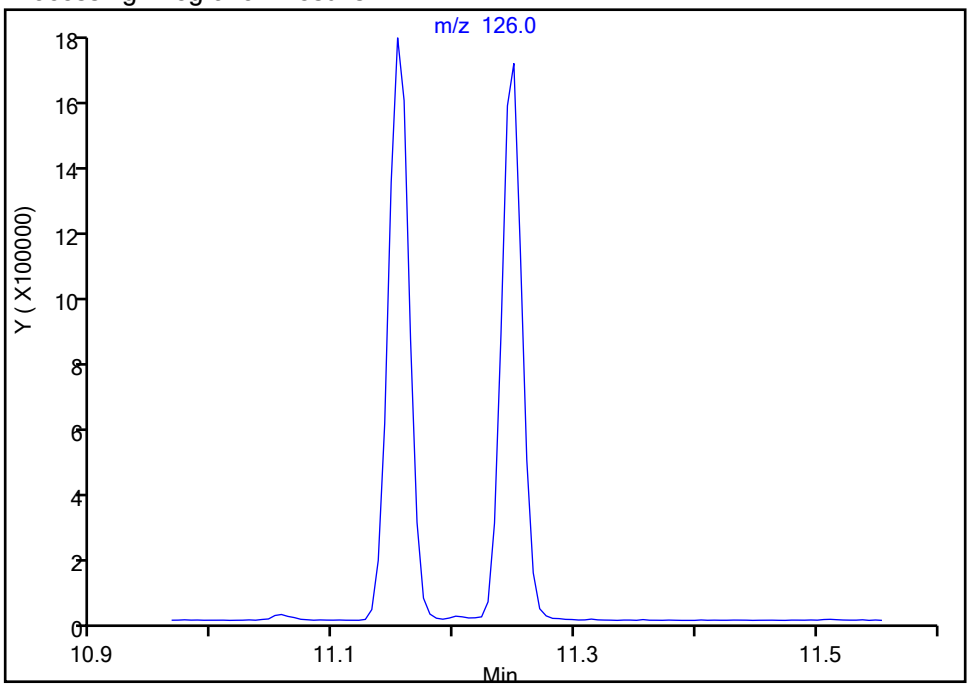
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051912.D
Injection Date: 19-May-2022 13:07:30 Instrument ID: CHHP9
Lims ID: IC VSTD35
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

98 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

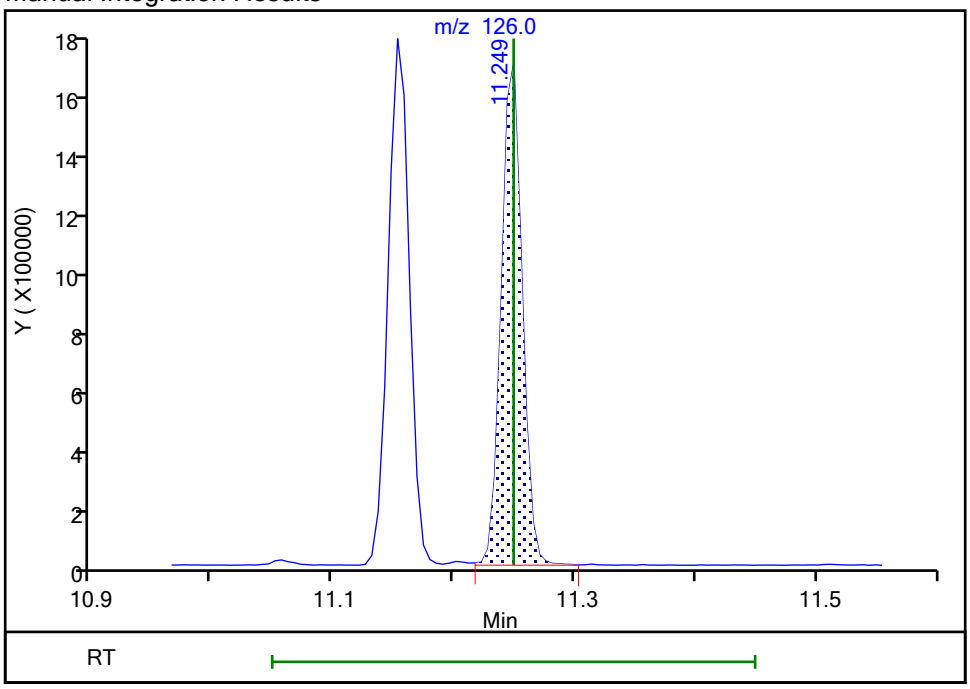
Not Detected
Expected RT: 11.25

Processing Integration Results



Manual Integration Results

RT: 11.25
Area: 2009686
Amount: 161.7492
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:47:56
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051913.D
Lims ID: IC VSTD40
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-May-2022 13:28:30 ALS Bottle#: 1 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-013
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:53 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 13:50:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.076	0.001	96	315897	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.852	0.001	98	2114573	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	90	370138	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	94	486606	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	90	1459737	200.0	207.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	99	1412264	200.0	198.2	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	9179506	200.0	198.1	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	84	2424175	200.0	194.4	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	2419244	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	5787771	200.0	201.7	
11 Chloromethane	50	1.387	1.386	0.000	99	5311333	200.0	193.1	
12 Vinyl chloride	62	1.472	1.477	-0.005	97	5877185	200.0	198.1	
13 Butadiene	39	1.504	1.499	0.005	90	5926294	200.0	201.4	
14 Bromomethane	94	1.723	1.718	0.005	92	1773921	200.0	190.8	
15 Chloroethane	64	1.809	1.809	0.000	99	2556296	200.0	194.8	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	5672508	200.0	197.4	
16 Trichlorofluoromethane	101	2.018	2.017	0.001	98	6225012	200.0	203.5	
18 Ethyl ether	59	2.280	2.280	0.000	96	1149987	200.0	199.9	
19 1,1-Dichloroethene	96	2.483	2.477	0.006	89	2979773	200.0	197.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	96	3464330	200.0	201.4	
26 Acetone	43	2.547	2.547	0.000	99	394614	200.0	131.7	M
23 Iodomethane	142	2.622	2.622	0.000	99	2301283	200.0	199.9	
20 Carbon disulfide	76	2.681	2.681	0.000	99	10913453	200.0	209.9	
22 3-Chloro-1-propene	76	2.852	2.846	0.006	88	1613730	200.0	202.4	
28 Methyl acetate	43	2.889	2.895	-0.006	100	851956	400.0	378.2	
25 Methylene Chloride	84	2.986	2.986	0.000	94	1674138	200.0	190.6	
31 2-Methyl-2-propanol	59	3.168	3.173	-0.005	99	817564	2000.0	1914.2	
33 Acrylonitrile	53	3.280	3.274	0.006	100	2317409	2000.0	2005.3	
27 trans-1,2-Dichloroethene	96	3.291	3.290	0.001	89	2788070	200.0	199.7	
29 Methyl tert-butyl ether	73	3.312	3.312	0.000	98	2748190	200.0	202.9	
30 Hexane	57	3.612	3.611	0.001	91	9940570	200.0	194.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.777	3.777	0.000	96	5442508	200.0	199.5	
37 2,2-Dichloropropane	77	4.457	4.451	0.006	88	5210685	200.0	189.5	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	89	2244730	200.0	200.3	
45 2-Butanone (MEK)	43	4.521	4.526	-0.005	96	409774	200.0	159.3	M
39 Chlorobromomethane	128	4.745	4.740	0.005	90	549492	200.0	198.9	
63 Tetrahydrofuran	42	4.820	4.825	-0.005	0	393267	400.0	421.9	
40 Chloroform	83	4.858	4.858	0.000	97	3845359	200.0	176.4	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	95	5395757	200.0	199.6	
38 Cyclohexane	56	5.109	5.104	0.005	94	10023888	200.0	203.0	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	4839949	200.0	208.1	
44 1,1-Dichloropropene	75	5.254	5.253	0.001	90	5210333	200.0	199.6	
47 Benzene	78	5.500	5.499	0.001	98	10258758	200.0	196.1	
67 Isobutyl alcohol	41	5.510	5.515	-0.005	40	599933	5000.0	4970.2	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	97	1918133	200.0	202.8	
48 n-Heptane	43	5.869	5.868	0.001	97	9605457	200.0	202.5	
51 Trichloroethene	130	6.302	6.302	0.000	95	2922903	200.0	197.2	
50 Methylcyclohexane	83	6.527	6.526	0.001	99	7995465	200.0	201.4	
54 1,2-Dichloropropane	63	6.585	6.580	0.005	91	2075694	200.0	198.7	
52 Dibromomethane	93	6.724	6.724	0.000	95	493105	200.0	195.6	
57 1,4-Dioxane	88	6.789	6.799	-0.010	96	140948	4000.0	4017.1	
56 Dichlorobromomethane	83	6.944	6.944	0.000	96	1986693	200.0	203.9	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	2258193	200.0	208.2	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	98	635085	200.0	203.2	
64 Toluene	91	7.939	7.938	0.001	97	10906621	200.0	198.0	
68 trans-1,3-Dichloropropene	75	8.260	8.259	0.001	97	1553123	200.0	211.5	
72 Ethyl methacrylate	69	8.425	8.425	0.000	93	952036	200.0	204.5	
71 1,1,2-Trichloroethane	97	8.489	8.484	0.005	95	742458	200.0	205.0	
65 Tetrachloroethene	164	8.645	8.644	0.001	93	2637528	200.0	196.5	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	98	1425605	200.0	204.4	
79 2-Hexanone	43	8.869	8.869	0.000	97	522919	200.0	168.6	
73 Chlorodibromomethane	129	8.992	8.992	0.000	90	793970	200.0	212.7	
76 Ethylene Dibromide	107	9.121	9.120	0.001	97	610536	200.0	201.0	
80 Chlorobenzene	112	9.720	9.719	0.001	90	5348303	200.0	198.8	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	92	1508502	200.0	205.5	
82 Ethylbenzene	106	9.853	9.853	0.000	99	4167799	200.0	199.6	e
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	4993702	200.0	197.6	a
86 o-Xylene	106	10.378	10.377	0.001	98	4142416	200.0	200.3	
88 Styrene	104	10.394	10.393	0.001	94	5567722	200.0	210.6	
87 Bromoform	173	10.554	10.554	0.000	93	332645	200.0	219.6	
89 Isopropylbenzene	105	10.725	10.730	-0.005	98	12724575	200.0	175.4	e
91 Bromobenzene	156	10.982	10.982	0.000	97	1658389	200.0	194.2	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	95	706366	200.0	213.5	
95 1,2,3-Trichloropropane	110	11.030	11.035	-0.005	90	204590	200.0	207.1	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	77	210882	200.0	201.3	
92 N-Propylbenzene	120	11.094	11.094	0.000	94	3709172	200.0	194.8	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	2403924	200.0	193.5	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	87	10327331	200.0	194.3	e
98 4-Chlorotoluene	126	11.249	11.249	0.000	91	2275231	200.0	192.1	
99 tert-Butylbenzene	119	11.511	11.511	0.000	94	10285048	200.0	197.2	e
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	9570065	200.0	199.6	e
102 sec-Butylbenzene	105	11.677	11.682	-0.005	97	12584814	200.0	149.1	e
104 1,3-Dichlorobenzene	146	11.758	11.757	0.001	95	3669005	200.0	202.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.795	11.800	-0.005	98	10876125	200.0	178.7	e
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	91	3395164	200.0	200.6	
106 n-Butylbenzene	91	12.105	12.105	0.000	94	10566805	200.0	181.9	e
107 1,2-Dichlorobenzene	146	12.111	12.110	0.001	92	2537797	200.0	203.0	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	72	73505	200.0	191.9	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	93	1777294	200.0	226.9	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	96	2272087	200.0	214.0	
113 Naphthalene	128	13.410	13.410	0.000	98	1680380	200.0	201.4	
114 1,2,3-Trichlorobenzene	180	13.571	13.565	0.006	94	1198167	200.0	203.6	
S 129 Xylenes, Total	106				0		400.0	398.0	
S 130 1,2-Dichloroethene, Total	96				0		400.0	400.0	
S 131 1,3-Dichloropropene, Total	1				0		400.0	419.7	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- e - Potential Peak Saturated

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

Reagents:

VOA8260SURR_00134	Amount Added:	8.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added:	8.00	Units: uL	
VOA8260INT_00136	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 24-May-2022 07:01:54 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051913.D

Injection Date: 19-May-2022 13:28:30 Instrument ID: CHHP9 Operator ID: 10099

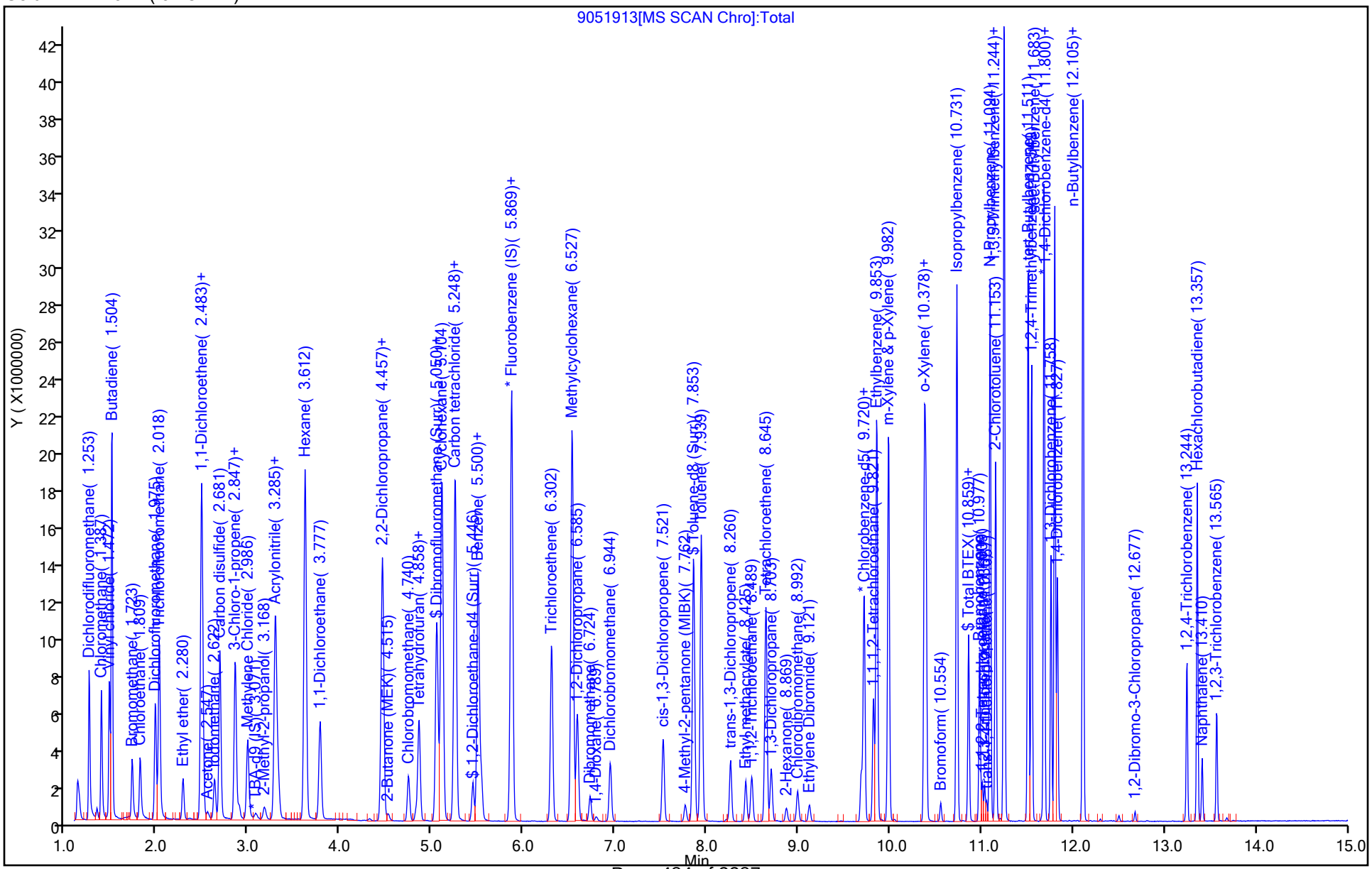
Lims ID: IC VSTD40 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

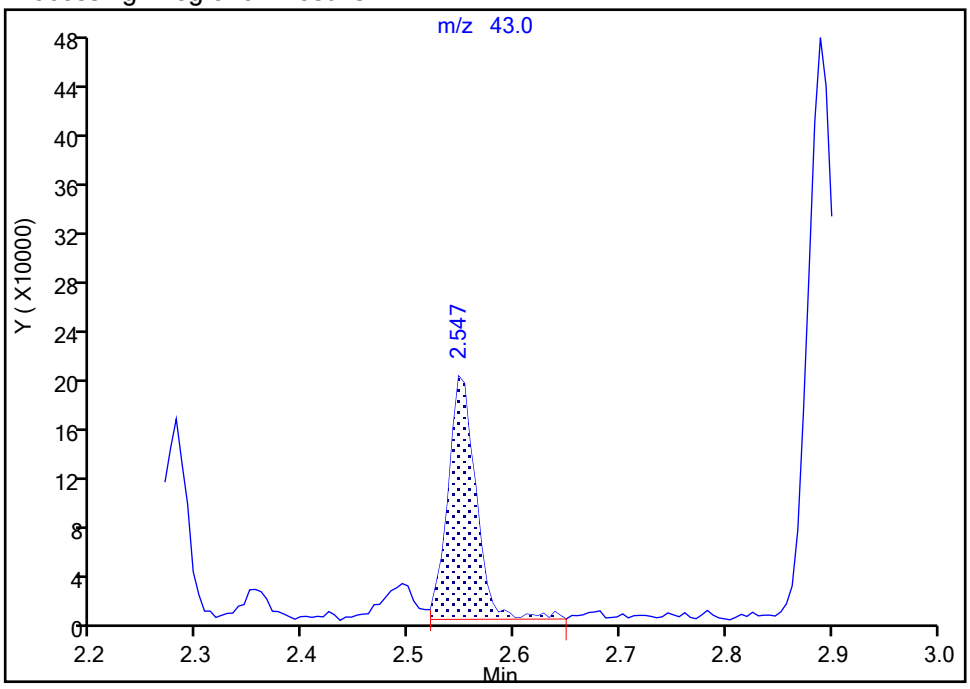
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051913.D
Injection Date: 19-May-2022 13:28:30 Instrument ID: CHHP9
Lims ID: IC VSTD40
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Acetone, CAS: 67-64-1

Signal: 1

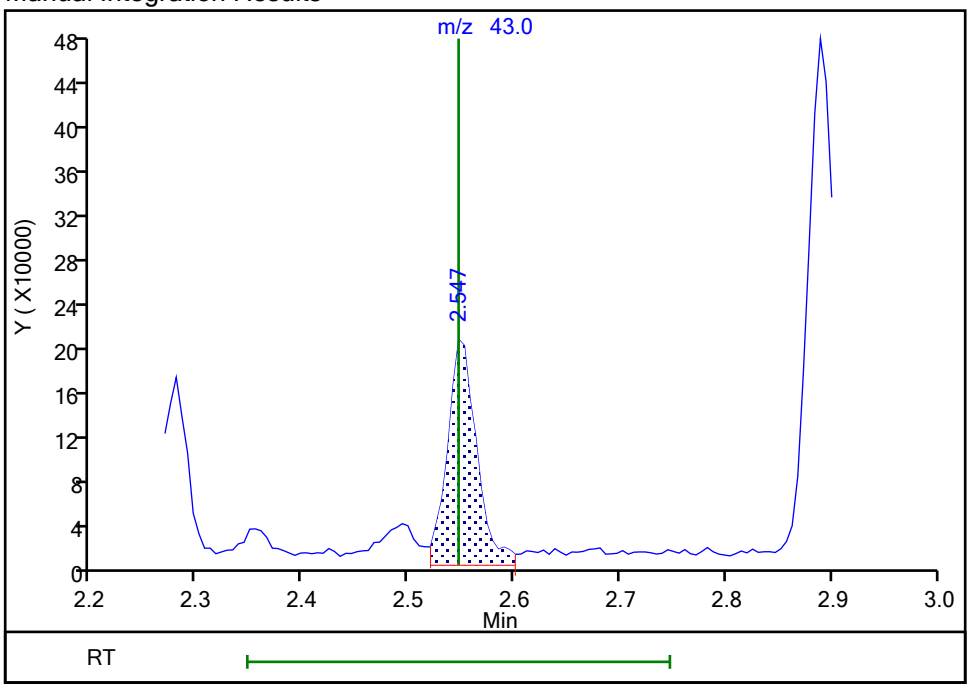
Processing Integration Results

RT: 2.55
Area: 357042
Amount: 148.7377
Amount Units: ng



Manual Integration Results

RT: 2.55
Area: 394614
Amount: 131.7128
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:49:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

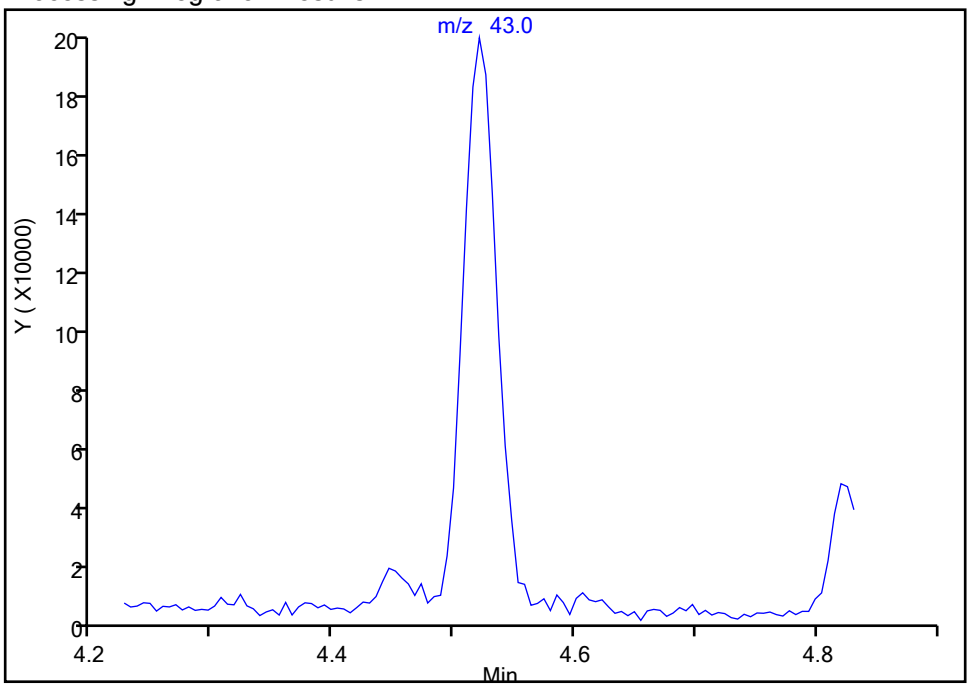
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051913.D
Injection Date: 19-May-2022 13:28:30 Instrument ID: CHHP9
Lims ID: IC VSTD40
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

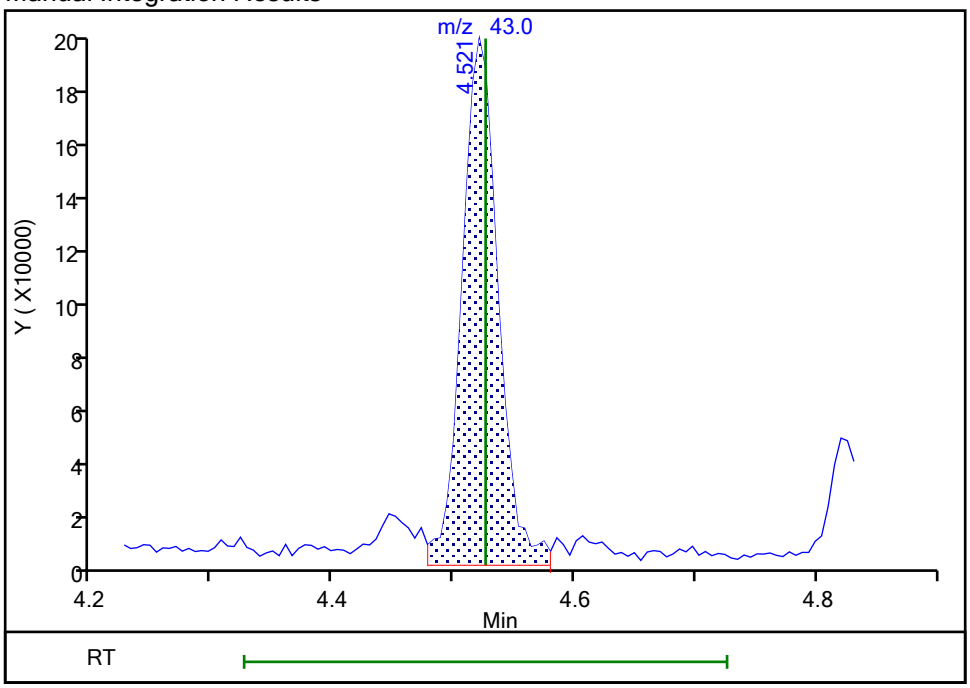
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 409774
Amount: 159.2978
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:49:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

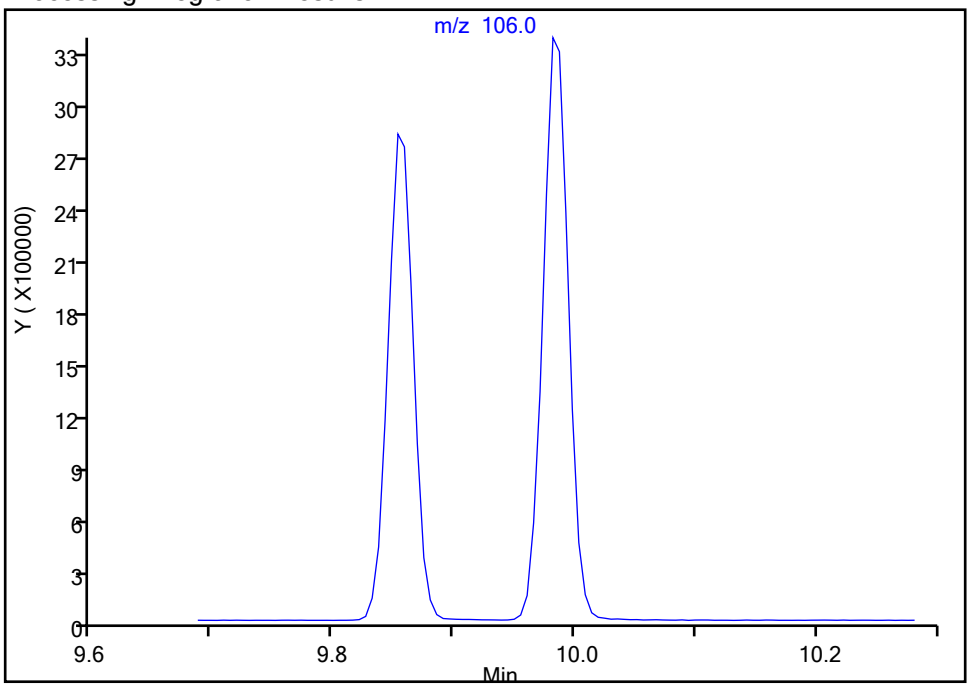
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051913.D
Injection Date: 19-May-2022 13:28:30 Instrument ID: CHHP9
Lims ID: IC VSTD40
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

85 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

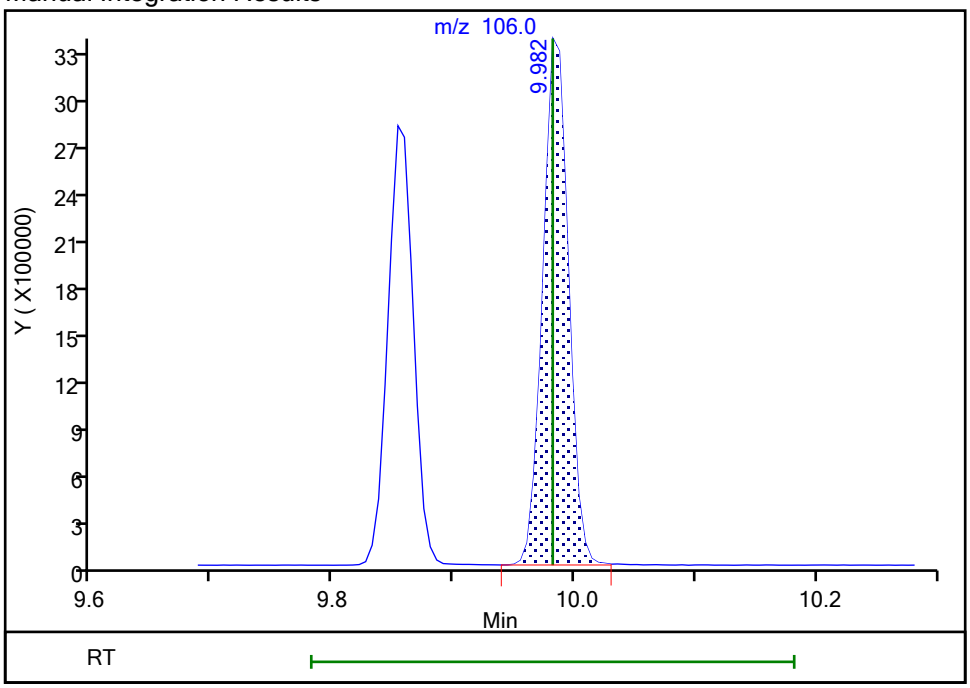
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 4993702
Amount: 197.6239
Amount Units: ng



Reviewer: tangj, 19-May-2022 13:49:49
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Report Date: 24-May-2022 07:01:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D
Lims ID: IC VSTD50
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-May-2022 13:50:30 ALS Bottle#: 1 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0042928-014
Operator ID: 10099 Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 24-May-2022 07:01:57 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: tangj Date: 19-May-2022 14:15:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.077	3.076	0.001	96	336388	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.853	5.852	0.001	98	2264243	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.688	9.687	0.001	89	397787	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	88	517686	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	92	2026732	250.0	269.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.446	5.446	0.000	100	1967474	250.0	257.9	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	12760628	250.0	256.3	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	85	3369655	250.0	251.4	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	3374924	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	7785727	250.0	253.4	
11 Chloromethane	50	1.386	1.386	0.000	99	7107081	250.0	241.3	
12 Vinyl chloride	62	1.472	1.477	-0.005	97	7864111	250.0	247.6	
13 Butadiene	39	1.499	1.499	0.000	90	7888197	250.0	250.3	
14 Bromomethane	94	1.718	1.718	0.000	92	2290258	250.0	230.0	
15 Chloroethane	64	1.809	1.809	0.000	99	3379615	250.0	240.6	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	7610407	250.0	247.4	
16 Trichlorofluoromethane	101	2.018	2.017	0.001	98	8456163	250.0	258.1	
18 Ethyl ether	59	2.280	2.280	0.000	95	1523937	250.0	247.4	
19 1,1-Dichloroethene	96	2.478	2.477	0.001	90	4024093	250.0	249.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	96	4724134	250.0	256.5	
26 Acetone	43	2.547	2.547	0.000	99	454183	250.0	143.7	
23 Iodomethane	142	2.622	2.622	0.000	99	3130715	250.0	253.0	
20 Carbon disulfide	76	2.681	2.681	0.000	99	14462562	250.0	259.7	e
22 3-Chloro-1-propene	76	2.847	2.846	0.001	88	2125628	250.0	248.9	
28 Methyl acetate	43	2.889	2.895	-0.006	99	1130709	500.0	472.4	
25 Methylene Chloride	84	2.986	2.986	0.000	94	2169167	250.0	231.6	
31 2-Methyl-2-propanol	59	3.168	3.173	-0.005	99	1100192	2500.0	2419.0	
33 Acrylonitrile	53	3.275	3.274	0.000	99	3044403	2500.0	2460.2	
27 trans-1,2-Dichloroethene	96	3.291	3.290	0.001	89	3716346	250.0	248.6	
29 Methyl tert-butyl ether	73	3.317	3.312	0.005	98	3647355	250.0	251.5	
30 Hexane	57	3.611	3.611	0.000	91	13435035	250.0	245.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.777	3.777	0.000	96	7318332	250.0	250.6	
37 2,2-Dichloropropane	77	4.457	4.451	0.006	92	6816494	250.0	231.5	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	90	2859343	250.0	238.2	
45 2-Butanone (MEK)	43	4.521	4.526	-0.005	99	595386	250.0	216.2	M
39 Chlorobromomethane	128	4.740	4.740	0.000	92	722023	250.0	244.1	
63 Tetrahydrofuran	42	4.820	4.825	-0.005	0	510661	500.0	515.1	
40 Chloroform	83	4.858	4.858	0.000	97	5209410	250.0	223.1	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	96	7242737	250.0	250.2	
38 Cyclohexane	56	5.104	5.104	0.000	94	13651106	250.0	258.2	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	6533886	250.0	262.3	
44 1,1-Dichloropropene	75	5.254	5.253	0.001	91	7000326	250.0	250.5	
47 Benzene	78	5.500	5.499	0.001	98	13740755	250.0	245.3	
67 Isobutyl alcohol	41	5.516	5.515	0.001	95	799220	6250.0	6183.5	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	97	2555377	250.0	252.4	
48 n-Heptane	43	5.869	5.868	0.001	95	13068530	250.0	257.3	
51 Trichloroethene	130	6.302	6.302	0.000	94	3922270	250.0	247.1	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	10865811	250.0	255.6	
54 1,2-Dichloropropane	63	6.585	6.580	0.005	92	2717803	250.0	243.0	
52 Dibromomethane	93	6.724	6.724	0.000	95	662399	250.0	244.7	
57 1,4-Dioxane	88	6.794	6.799	-0.005	95	179435	5000.0	4808.4	
56 Dichlorobromomethane	83	6.944	6.944	0.000	97	2609847	250.0	250.2	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	88	3016740	250.0	259.8	
66 4-Methyl-2-pentanone (MIBK)	43	7.767	7.762	0.005	98	855487	250.0	254.7	
64 Toluene	91	7.939	7.938	0.001	97	14452300	250.0	244.1	
68 trans-1,3-Dichloropropene	75	8.259	8.259	0.000	98	2094982	250.0	265.5	
72 Ethyl methacrylate	69	8.425	8.425	0.000	92	1280192	250.0	255.9	
71 1,1,2-Trichloroethane	97	8.489	8.484	0.005	94	987888	250.0	253.9	
65 Tetrachloroethene	164	8.645	8.644	0.001	93	3563474	250.0	247.0	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	98	1862265	250.0	248.4	
79 2-Hexanone	43	8.869	8.869	0.000	96	778637	250.0	233.6	
73 Chlorodibromomethane	129	8.992	8.992	0.000	89	1076917	250.0	268.4	
76 Ethylene Dibromide	107	9.121	9.120	0.001	99	821391	250.0	251.6	
80 Chlorobenzene	112	9.720	9.719	0.001	89	7099680	250.0	245.5	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.821	0.000	92	2041230	250.0	258.7	
82 Ethylbenzene	106	9.848	9.853	-0.005	99	5484355	250.0	244.4	e
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	98	6736611	250.0	248.1	a
86 o-Xylene	106	10.378	10.377	0.001	96	5520279	250.0	248.4	
88 Styrene	104	10.394	10.393	0.001	95	7557017	250.0	265.9	
87 Bromoform	173	10.554	10.554	0.000	94	457329	250.0	280.9	
89 Isopropylbenzene	105	10.725	10.730	-0.005	97	14326490	250.0	183.8	e
91 Bromobenzene	156	10.982	10.982	0.000	97	2245509	250.0	247.2	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.009	0.000	95	943818	250.0	265.5	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	90	267603	250.0	255.2	
97 trans-1,4-Dichloro-2-butene	53	11.057	11.057	0.000	82	284289	250.0	254.7	
92 N-Propylbenzene	120	11.094	11.094	0.000	92	4995725	250.0	246.7	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	3237206	250.0	245.0	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	97	12117302	250.0	214.3	e
98 4-Chlorotoluene	126	11.249	11.249	0.000	98	3027928	250.0	240.3	
99 tert-Butylbenzene	119	11.506	11.511	-0.005	89	11993522	250.0	216.1	e
101 1,2,4-Trimethylbenzene	105	11.544	11.549	-0.005	96	11387210	250.0	223.3	e
102 sec-Butylbenzene	105	11.677	11.682	-0.005	95	14152265	250.0	157.6	e
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	96	4971492	250.0	257.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
103 4-Isopropyltoluene	119	11.795	11.800	-0.005	92	12417479	250.0	191.8	e
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	91	4597882	250.0	255.4	
106 n-Butylbenzene	91	12.100	12.105	-0.005	97	12204451	250.0	197.5	e
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	93	3384949	250.0	254.5	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	73	113141	250.0	277.6	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	94	2374096	250.0	284.9	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	96	3063526	250.0	271.3	
113 Naphthalene	128	13.410	13.410	0.000	98	2371317	250.0	251.8	
114 1,2,3-Trichlorobenzene	180	13.565	13.565	0.000	95	1690856	250.0	268.9	
S 129 Xylenes, Total	106				0		500.0	496.5	
S 130 1,2-Dichloroethene, Total	96				0		500.0	486.8	
S 131 1,3-Dichloropropene, Total	1				0		500.0	525.2	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- e - Potential Peak Saturated

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

Reagents:

VOA8260SURR_00134	Amount Added: 10.00	Units: uL	
VOA8260VOAPRI_00516	Amount Added: 10.00	Units: uL	
VOA8260INT_00136	Amount Added: 2.00	Units: uL	Run Reagent

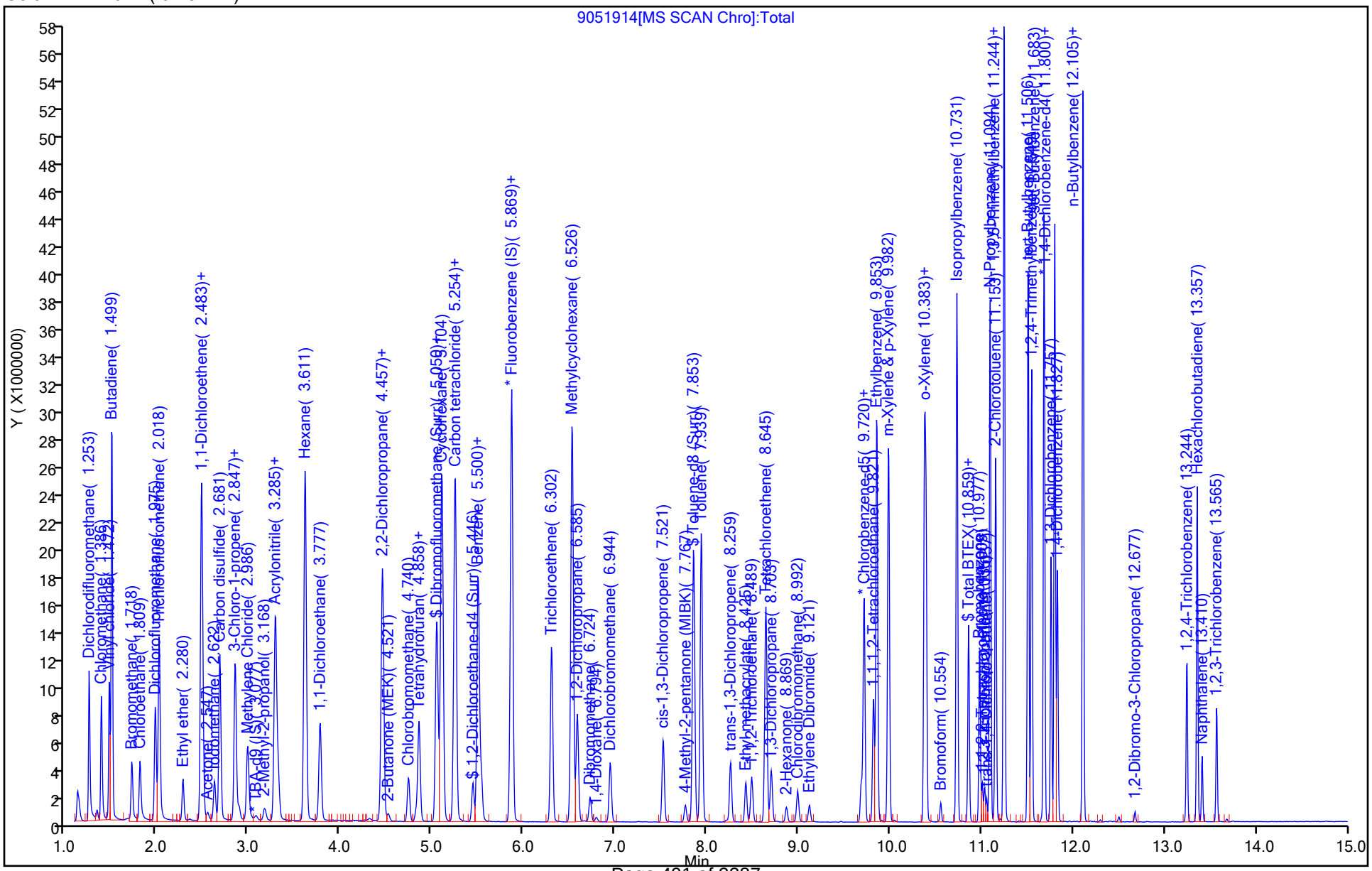
Report Date: 24-May-2022 07:01:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Injection Date:	19-May-2022 13:50:30	Instrument ID:	CHHP9	Operator ID:	10099
Lims ID:	IC VSTD50			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

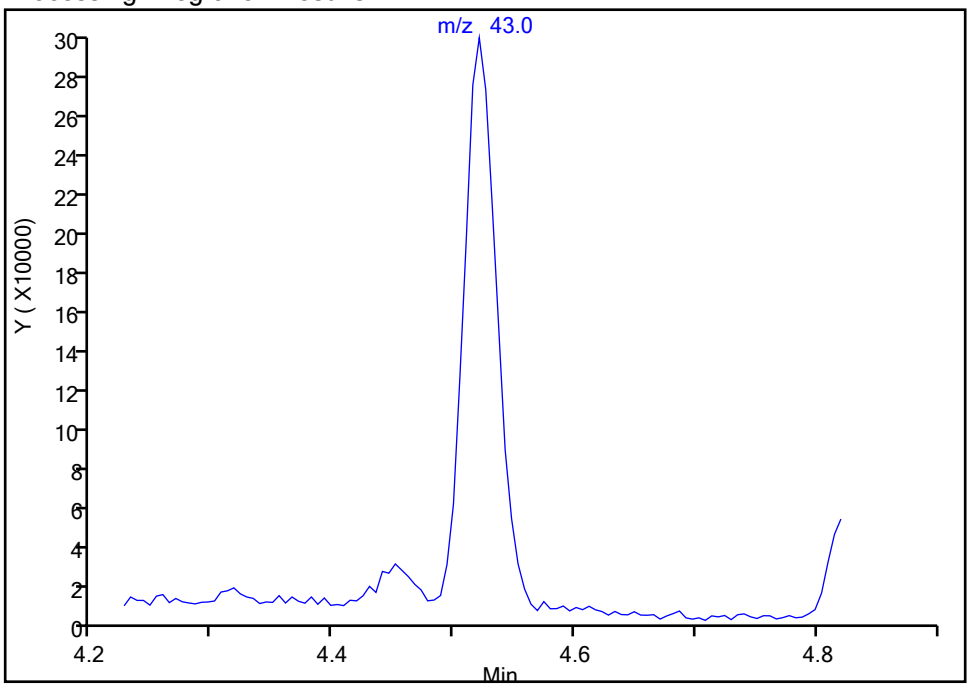
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D
Injection Date: 19-May-2022 13:50:30 Instrument ID: CHHP9
Lims ID: IC VSTD50
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

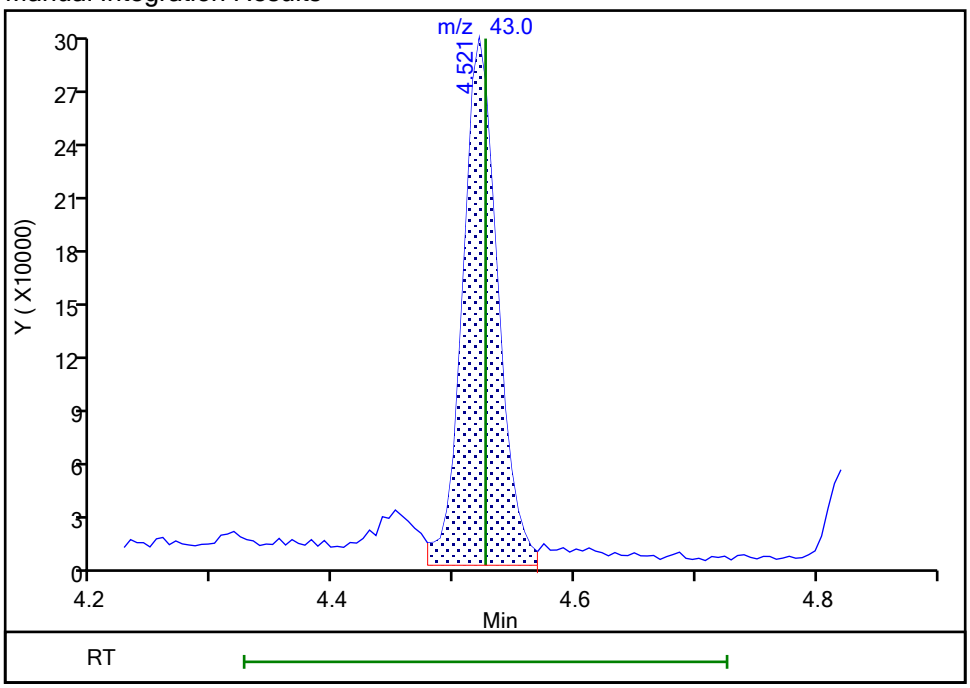
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 595386
Amount: 216.1542
Amount Units: ng



Reviewer: tangj, 19-May-2022 14:15:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

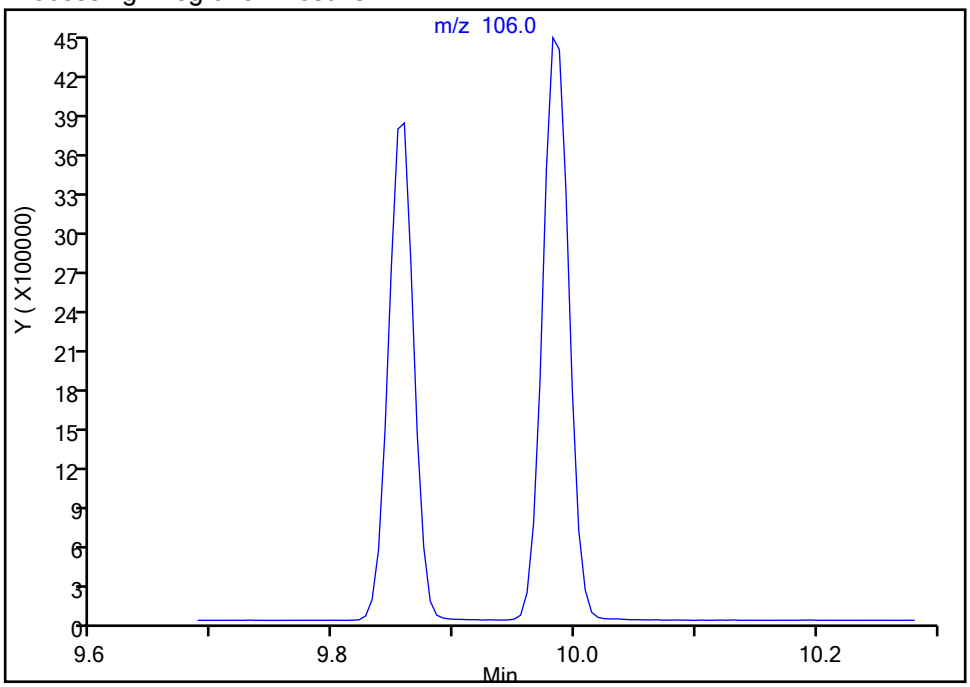
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D
Injection Date: 19-May-2022 13:50:30 Instrument ID: CHHP9
Lims ID: IC VSTD50
Client ID:
Operator ID: 10099 ALS Bottle#: 1 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

85 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

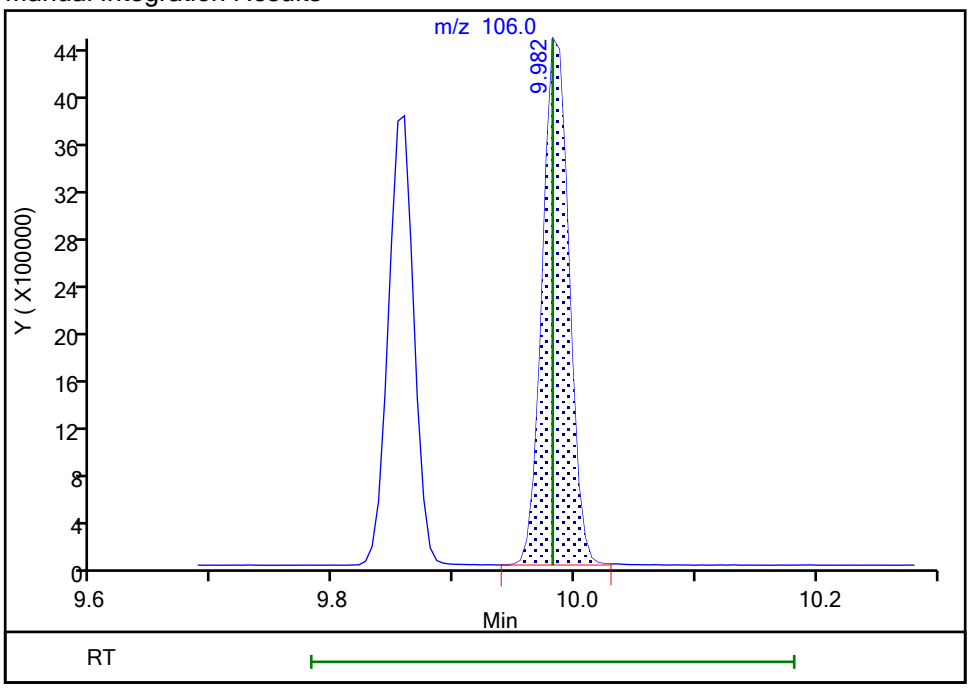
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 6736611
Amount: 248.0684
Amount Units: ng



Reviewer: tangj, 19-May-2022 14:15:17
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Calibration / Dichlorodifluoromethane

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

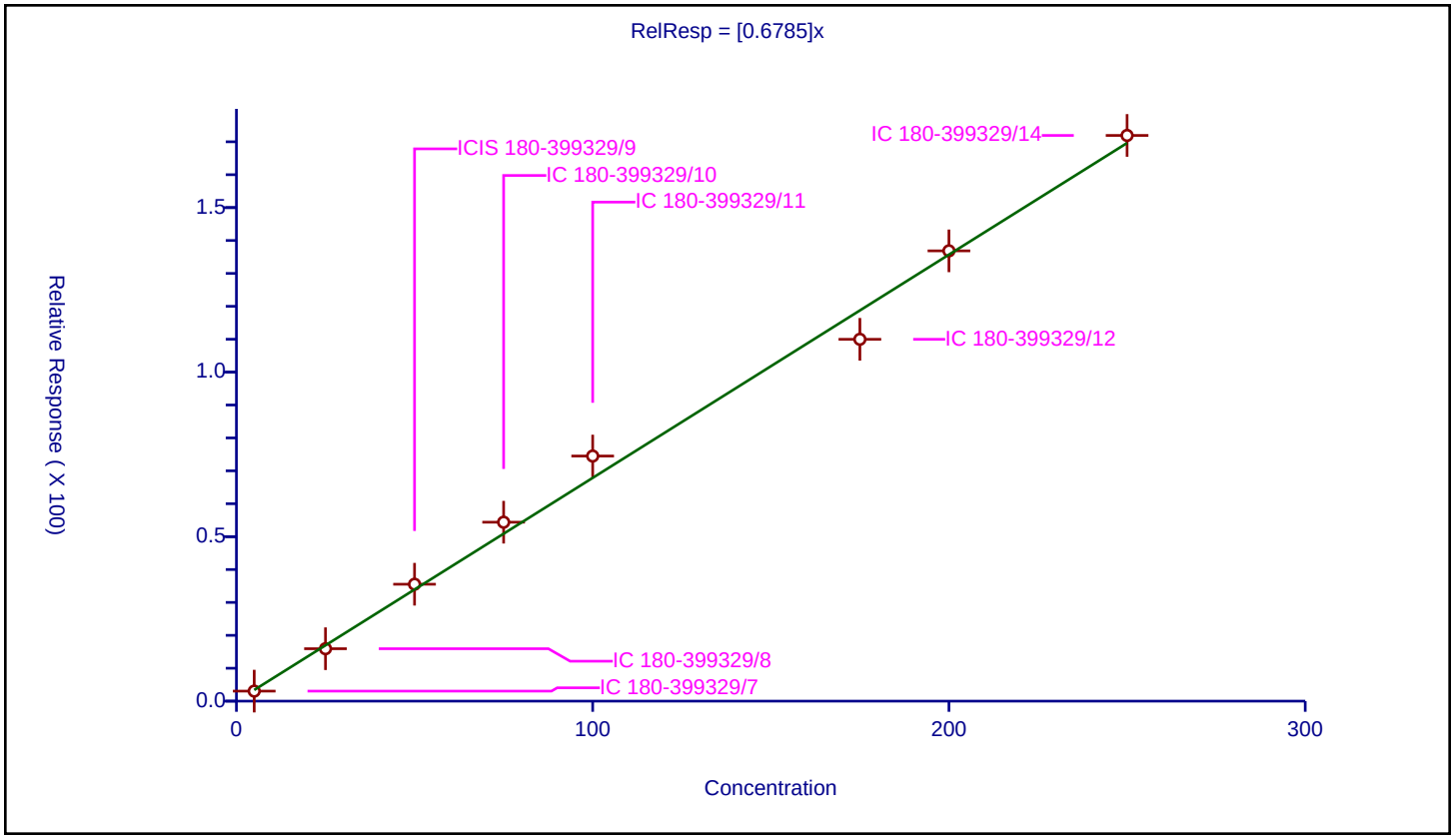
Curve Coefficients

Intercept:	0
Slope:	0.6785

Error Coefficients

Standard Error:	4370000
Relative Standard Error:	7.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.047896	50.0	2117346.0	0.609579	Y
2	IC 180-399329/8	25.0	15.932939	50.0	2074498.0	0.637318	Y
3	ICIS 180-399329/9	50.0	35.535145	50.0	2002699.0	0.710703	Y
4	IC 180-399329/10	75.0	54.385996	50.0	1931739.0	0.725147	Y
5	IC 180-399329/11	100.0	74.491325	50.0	1984076.0	0.744913	Y
6	IC 180-399329/12	175.0	109.971758	50.0	2232520.0	0.62841	Y
7	IC 180-399329/13	200.0	136.854367	50.0	2114573.0	0.684272	Y
8	IC 180-399329/14	250.0	171.927814	50.0	2264243.0	0.687711	Y



Calibration / Chloromethane

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

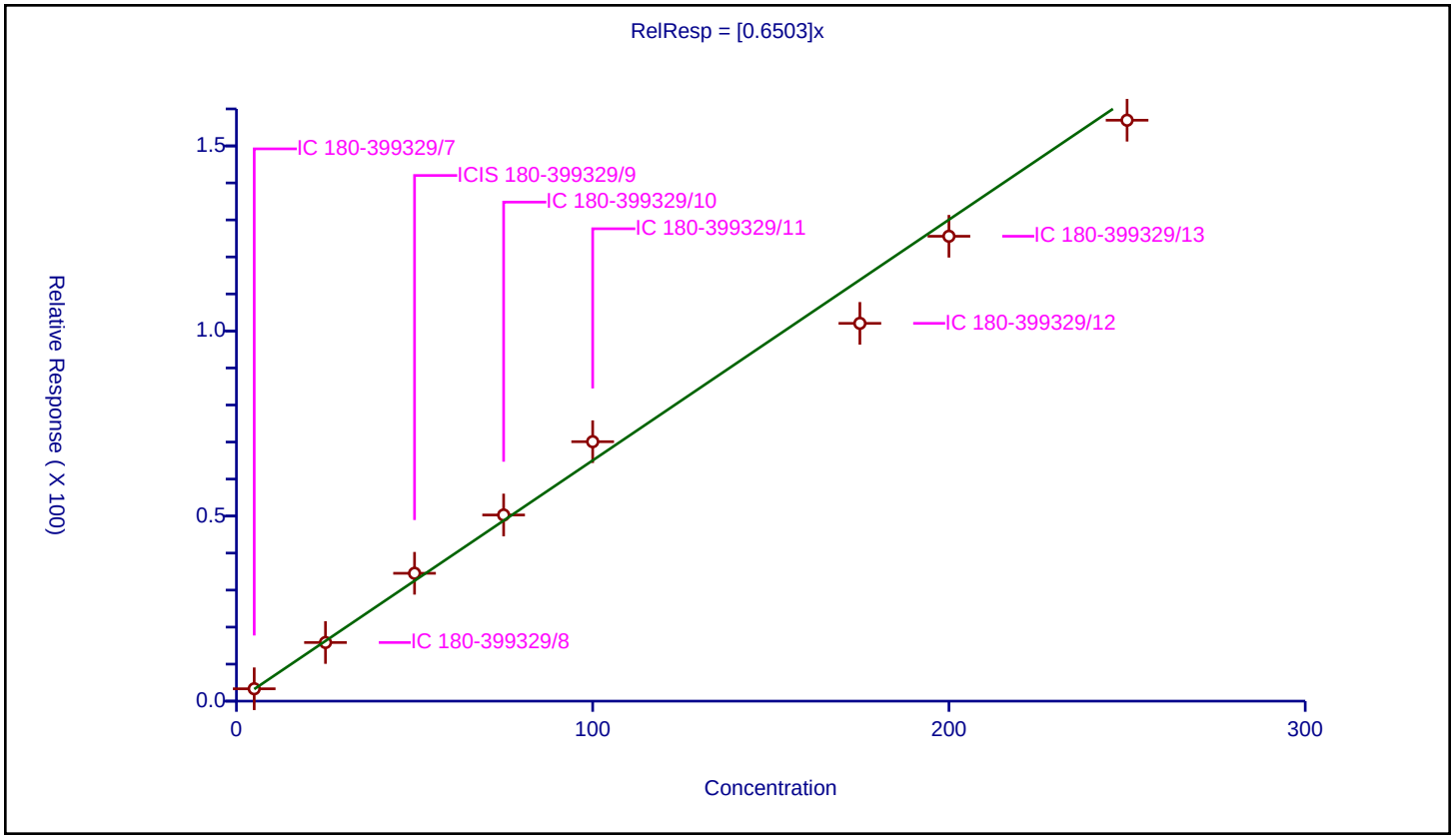
Curve Coefficients

Intercept:	0
Slope:	0.6503

Error Coefficients

Standard Error:	4020000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.33885	50.0	2117346.0	0.66777	Y
2	IC 180-399329/8	25.0	15.840121	50.0	2074498.0	0.633605	Y
3	ICIS 180-399329/9	50.0	34.538965	50.0	2002699.0	0.690779	Y
4	IC 180-399329/10	75.0	50.290438	50.0	1931739.0	0.670539	Y
5	IC 180-399329/11	100.0	70.094921	50.0	1984076.0	0.700949	Y
6	IC 180-399329/12	175.0	102.059601	50.0	2232520.0	0.583198	Y
7	IC 180-399329/13	200.0	125.588783	50.0	2114573.0	0.627944	Y
8	IC 180-399329/14	250.0	156.941658	50.0	2264243.0	0.627767	Y



Calibration / Vinyl chloride

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

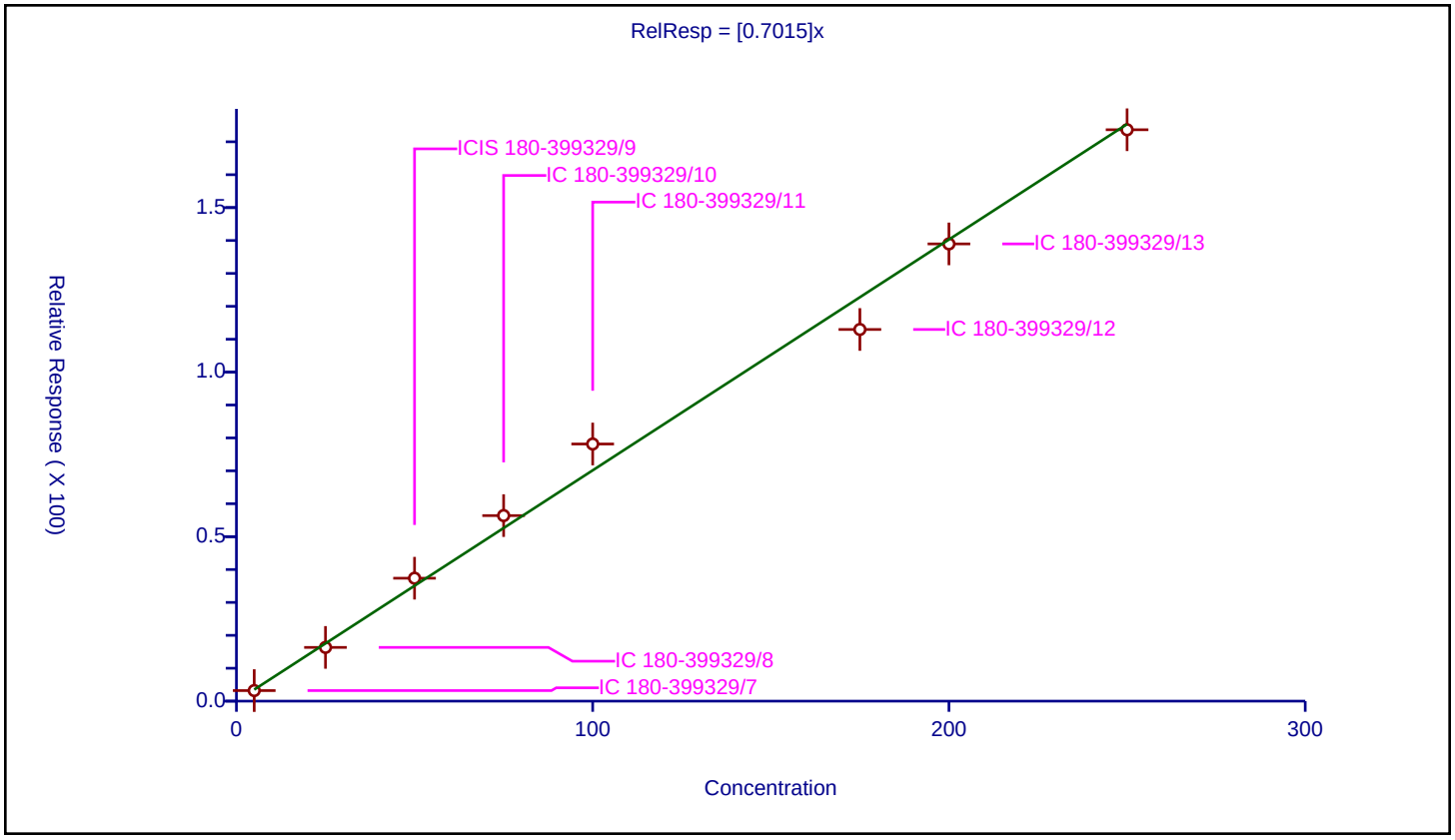
Curve Coefficients

Intercept:	0
Slope:	0.7015

Error Coefficients

Standard Error:	4450000
Relative Standard Error:	7.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.21341	50.0	2117346.0	0.642682	Y
2	IC 180-399329/8	25.0	16.332433	50.0	2074498.0	0.653297	Y
3	ICIS 180-399329/9	50.0	37.365375	50.0	2002699.0	0.747308	Y
4	IC 180-399329/10	75.0	56.395533	50.0	1931739.0	0.75194	Y
5	IC 180-399329/11	100.0	78.154138	50.0	1984076.0	0.781541	Y
6	IC 180-399329/12	175.0	112.95975	50.0	2232520.0	0.645484	Y
7	IC 180-399329/13	200.0	138.9686	50.0	2114573.0	0.694843	Y
8	IC 180-399329/14	250.0	173.658724	50.0	2264243.0	0.694635	Y



Calibration / Butadiene

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

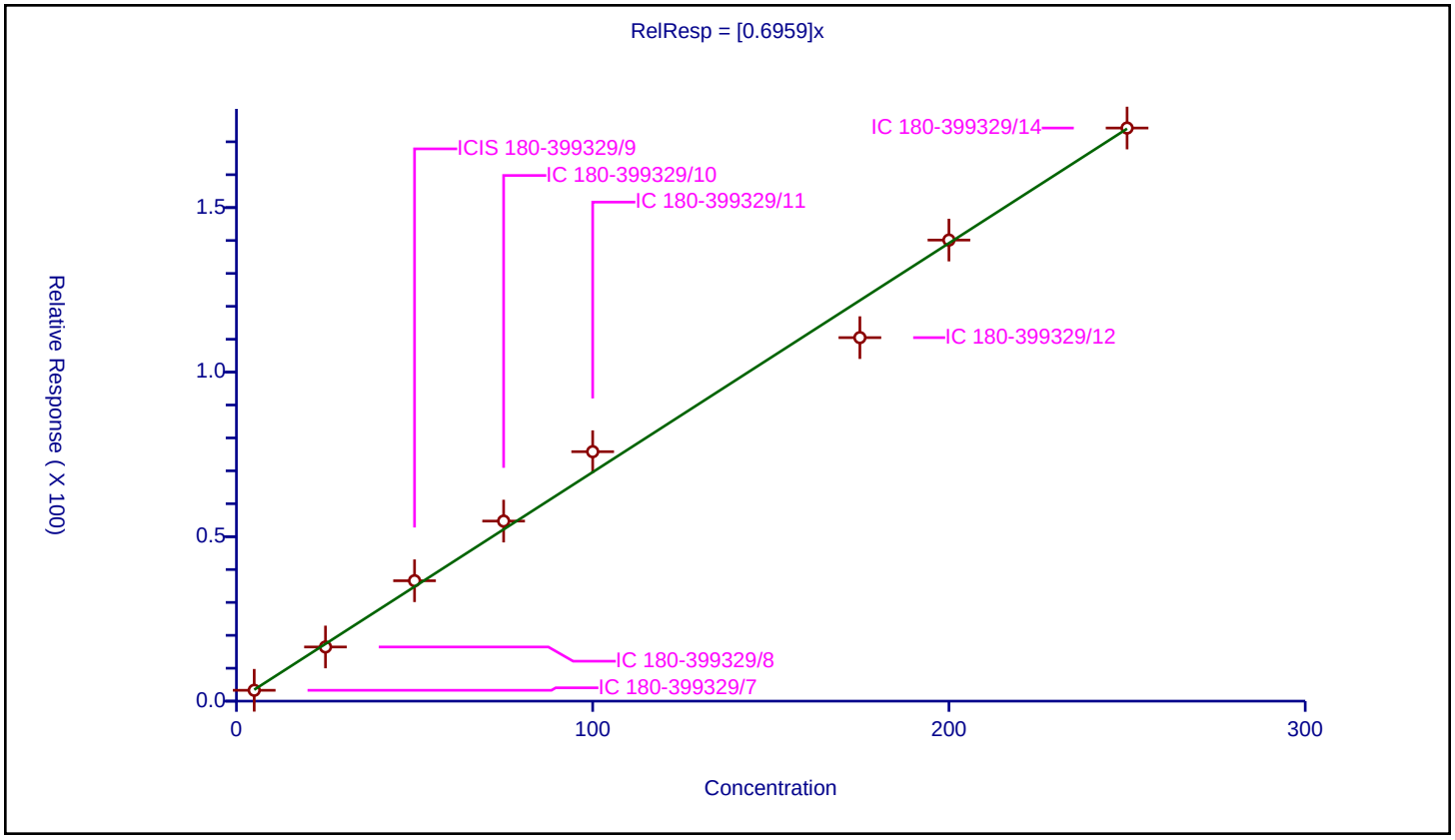
Curve Coefficients

Intercept:	0
Slope:	0.6959

Error Coefficients

Standard Error:	4440000
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 180-399329/7	5.0	3.30246	50.0	2117346.0	0.660492	Y
2	IC 180-399329/8	25.0	16.463549	50.0	2074498.0	0.658542	Y
3	ICIS 180-399329/9	50.0	36.593068	50.0	2002699.0	0.731861	Y
4	IC 180-399329/10	75.0	54.726777	50.0	1931739.0	0.72969	Y
5	IC 180-399329/11	100.0	75.816627	50.0	1984076.0	0.758166	Y
6	IC 180-399329/12	175.0	110.485214	50.0	2232520.0	0.631344	Y
7	IC 180-399329/13	200.0	140.129804	50.0	2114573.0	0.700649	Y
8	IC 180-399329/14	250.0	174.190601	50.0	2264243.0	0.696762	Y



Calibration / Bromomethane

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

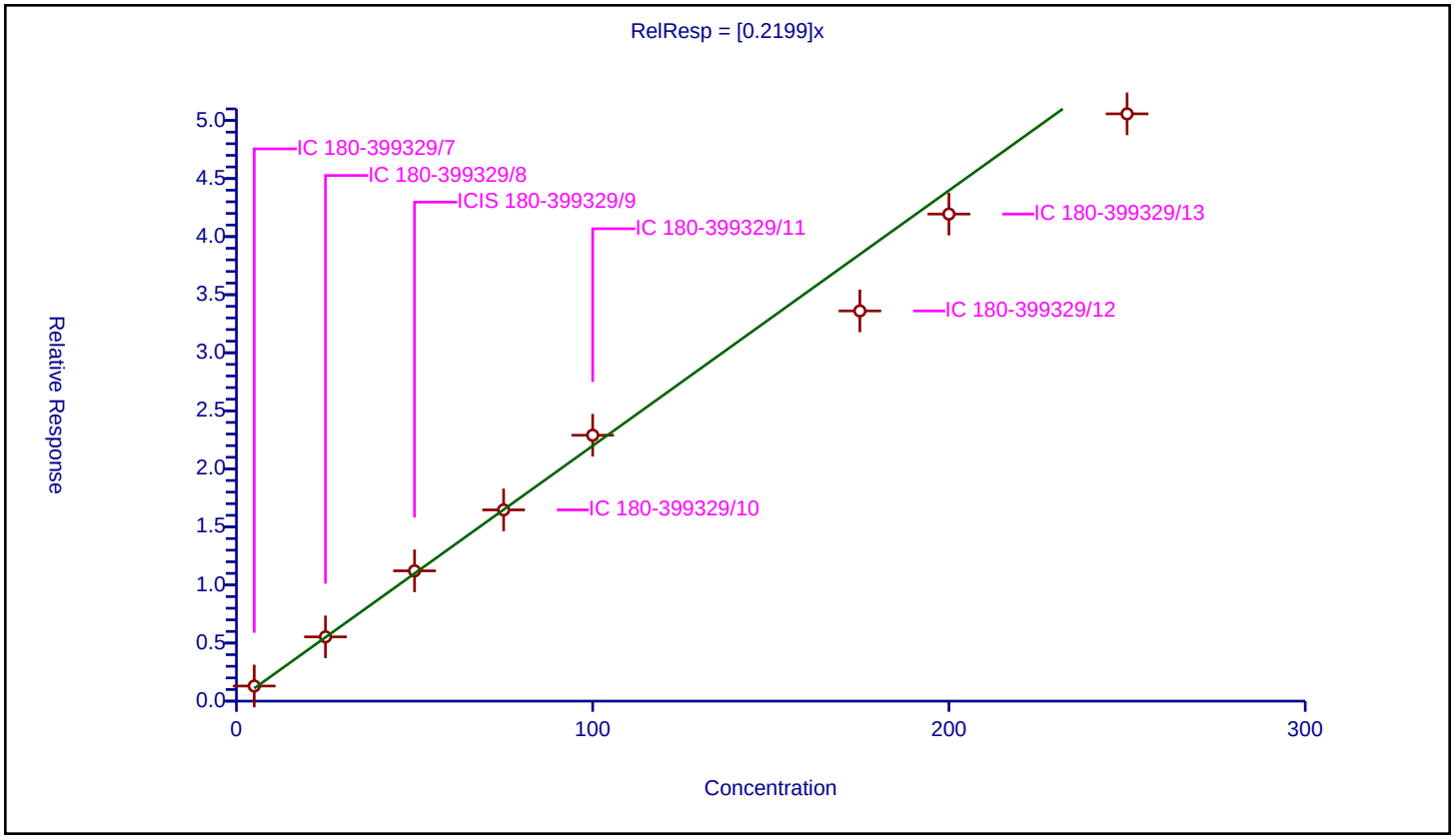
Curve Coefficients

Intercept:	0
Slope:	0.2199

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.302456	50.0	2117346.0	0.260491	Y
2	IC 180-399329/8	25.0	5.535942	50.0	2074498.0	0.221438	Y
3	ICIS 180-399329/9	50.0	11.221906	50.0	2002699.0	0.224438	Y
4	IC 180-399329/10	75.0	16.468581	50.0	1931739.0	0.219581	Y
5	IC 180-399329/11	100.0	22.898543	50.0	1984076.0	0.228985	Y
6	IC 180-399329/12	175.0	33.603215	50.0	2232520.0	0.192018	Y
7	IC 180-399329/13	200.0	41.945135	50.0	2114573.0	0.209726	Y
8	IC 180-399329/14	250.0	50.574475	50.0	2264243.0	0.202298	Y



Calibration / Chloroethane

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

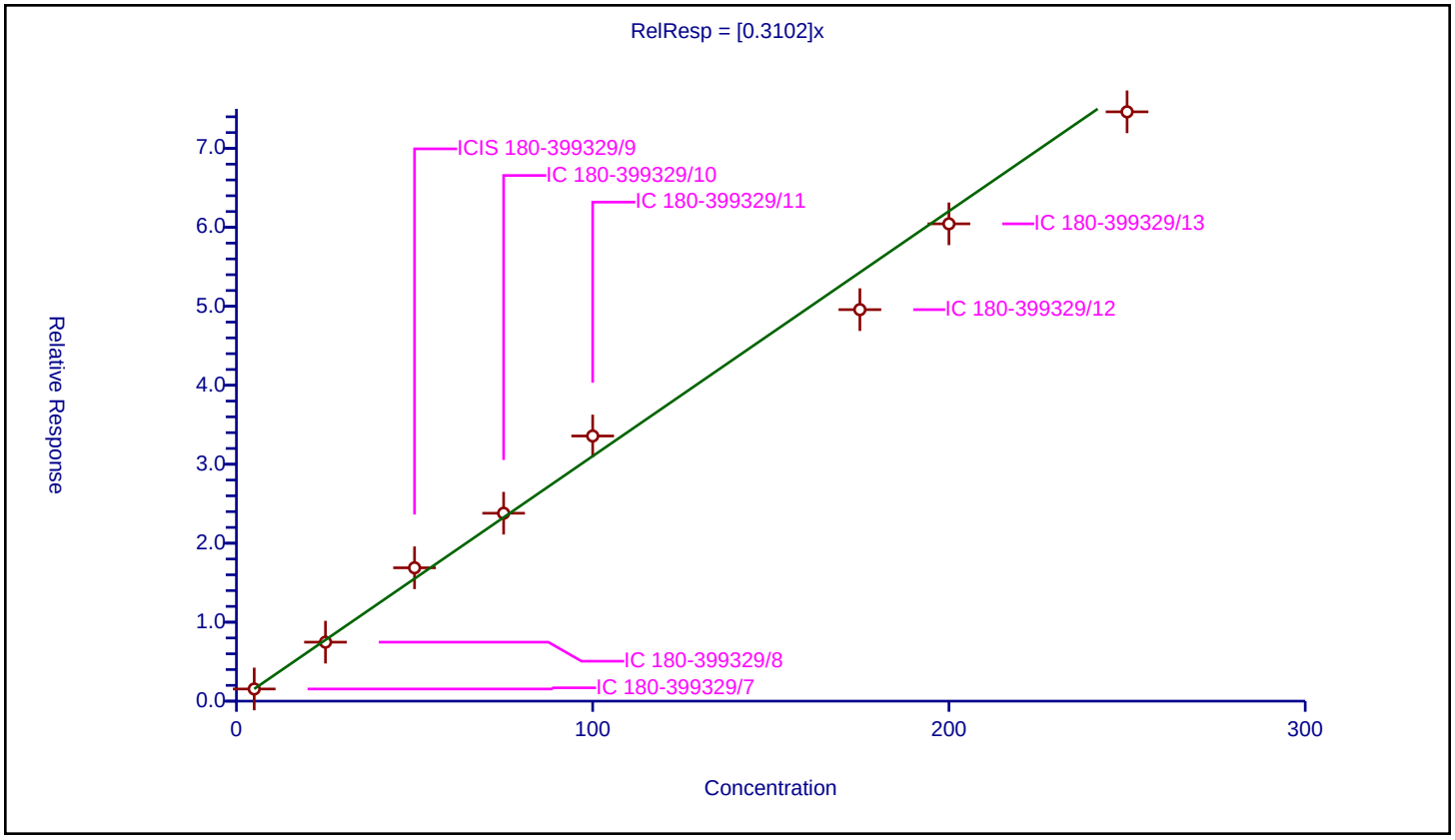
Curve Coefficients

Intercept:	0
Slope:	0.3102

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	6.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.541316	50.0	2117346.0	0.308263	Y
2	IC 180-399329/8	25.0	7.468939	50.0	2074498.0	0.298758	Y
3	ICIS 180-399329/9	50.0	16.885488	50.0	2002699.0	0.33771	Y
4	IC 180-399329/10	75.0	23.797754	50.0	1931739.0	0.317303	Y
5	IC 180-399329/11	100.0	33.578628	50.0	1984076.0	0.335786	Y
6	IC 180-399329/12	175.0	49.579914	50.0	2232520.0	0.283314	Y
7	IC 180-399329/13	200.0	60.444733	50.0	2114573.0	0.302224	Y
8	IC 180-399329/14	250.0	74.63013	50.0	2264243.0	0.298521	Y



Calibration / Dichlorofluoromethane

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

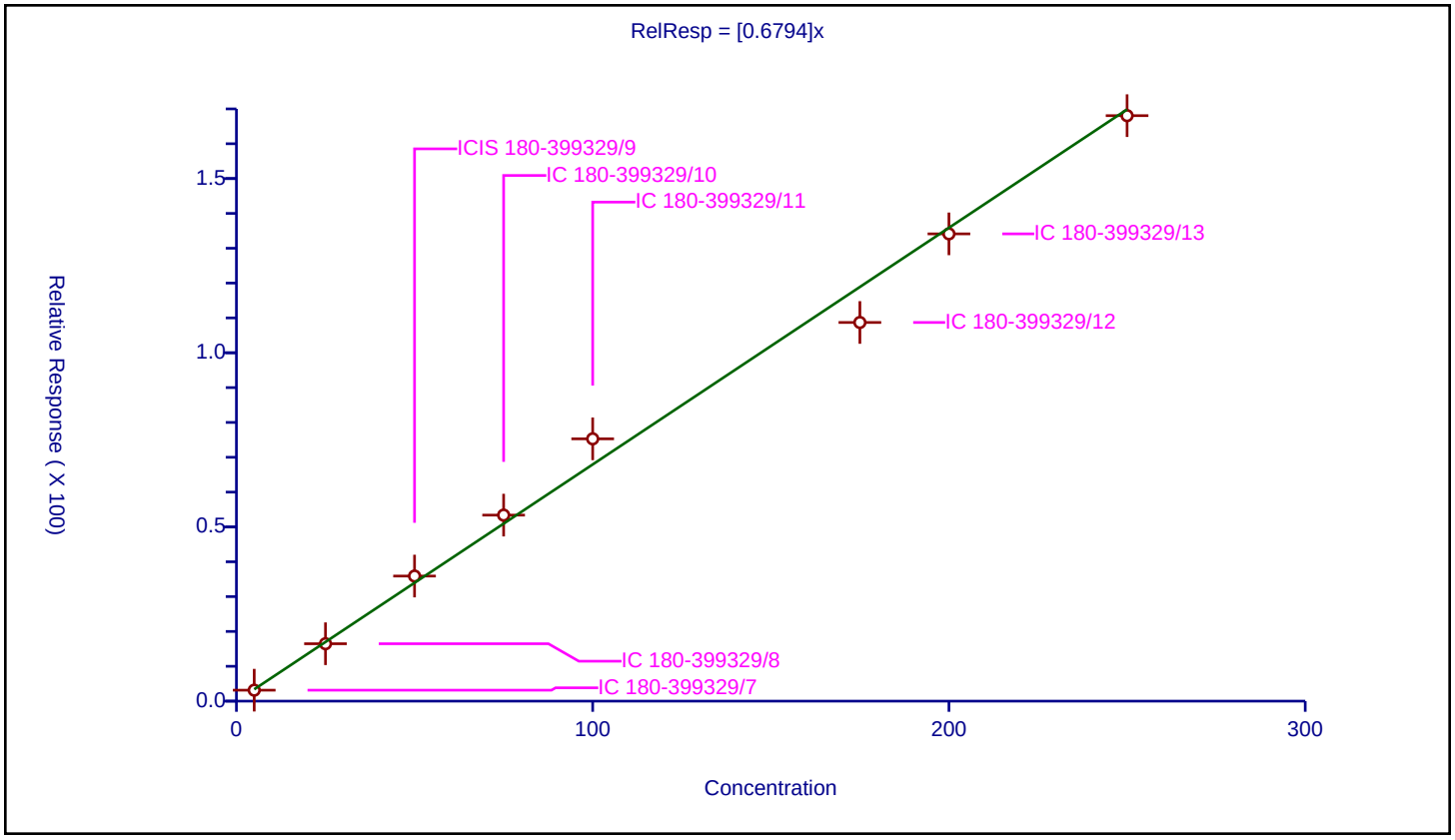
Curve Coefficients

Intercept:	0
Slope:	0.6794

Error Coefficients

Standard Error:	4300000
Relative Standard Error:	6.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.142613	50.0	2117346.0	0.628523	Y
2	IC 180-399329/8	25.0	16.482494	50.0	2074498.0	0.6593	Y
3	ICIS 180-399329/9	50.0	35.907293	50.0	2002699.0	0.718146	Y
4	IC 180-399329/10	75.0	53.39844	50.0	1931739.0	0.711979	Y
5	IC 180-399329/11	100.0	75.292101	50.0	1984076.0	0.752921	Y
6	IC 180-399329/12	175.0	108.69065	50.0	2232520.0	0.621089	Y
7	IC 180-399329/13	200.0	134.128923	50.0	2114573.0	0.670645	Y
8	IC 180-399329/14	250.0	168.056322	50.0	2264243.0	0.672225	Y



Calibration / Trichlorofluoromethane

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

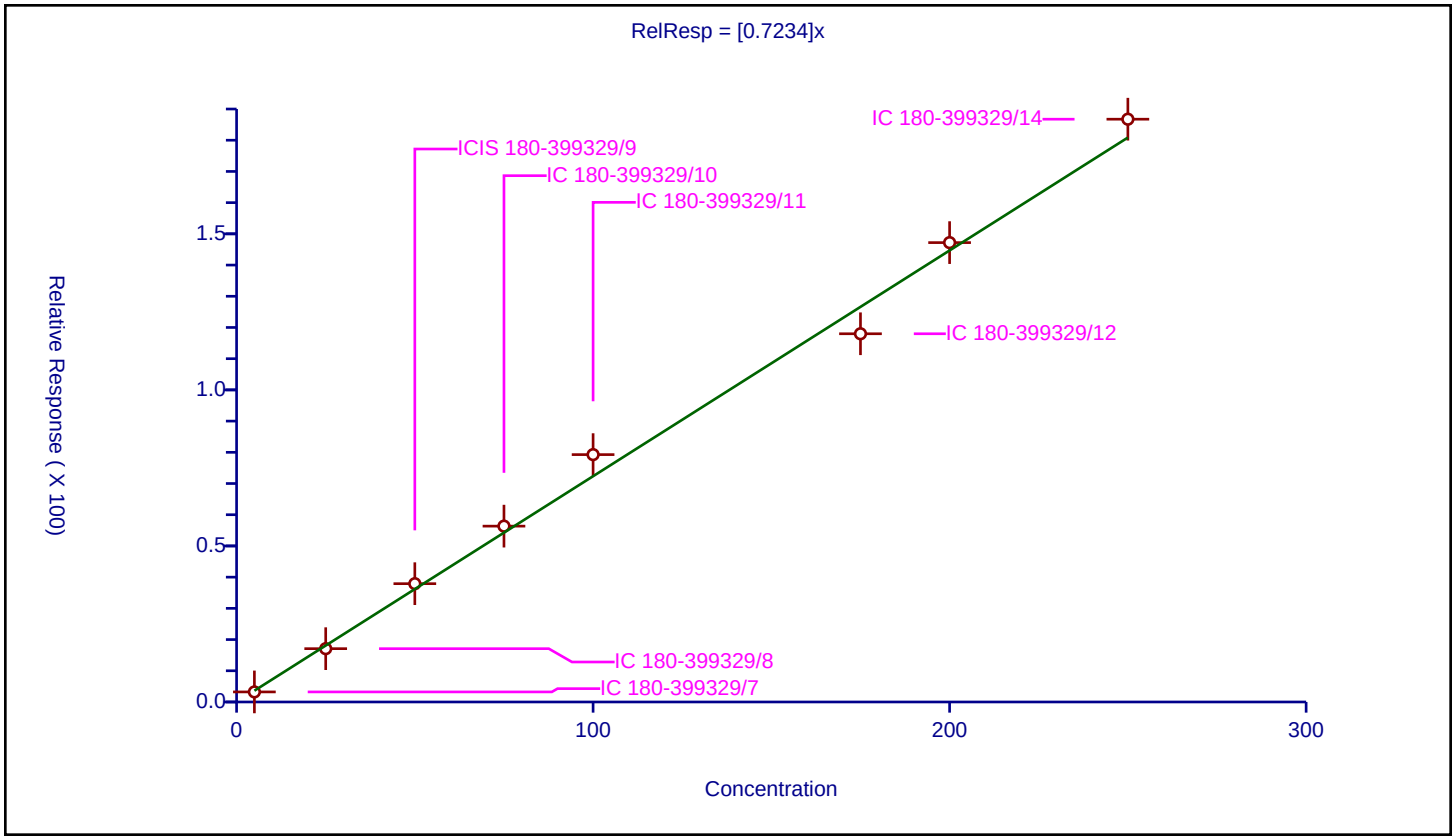
Curve Coefficients

Intercept:	0
Slope:	0.7234

Error Coefficients

Standard Error:	4710000
Relative Standard Error:	6.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.224981	50.0	2117346.0	0.644996	Y
2	IC 180-399329/8	25.0	17.081241	50.0	2074498.0	0.68325	Y
3	ICIS 180-399329/9	50.0	37.904498	50.0	2002699.0	0.75809	Y
4	IC 180-399329/10	75.0	56.344724	50.0	1931739.0	0.751263	Y
5	IC 180-399329/11	100.0	79.260623	50.0	1984076.0	0.792606	Y
6	IC 180-399329/12	175.0	117.983019	50.0	2232520.0	0.674189	Y
7	IC 180-399329/13	200.0	147.193121	50.0	2114573.0	0.735966	Y
8	IC 180-399329/14	250.0	186.732674	50.0	2264243.0	0.746931	Y



Calibration / Ethyl ether

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

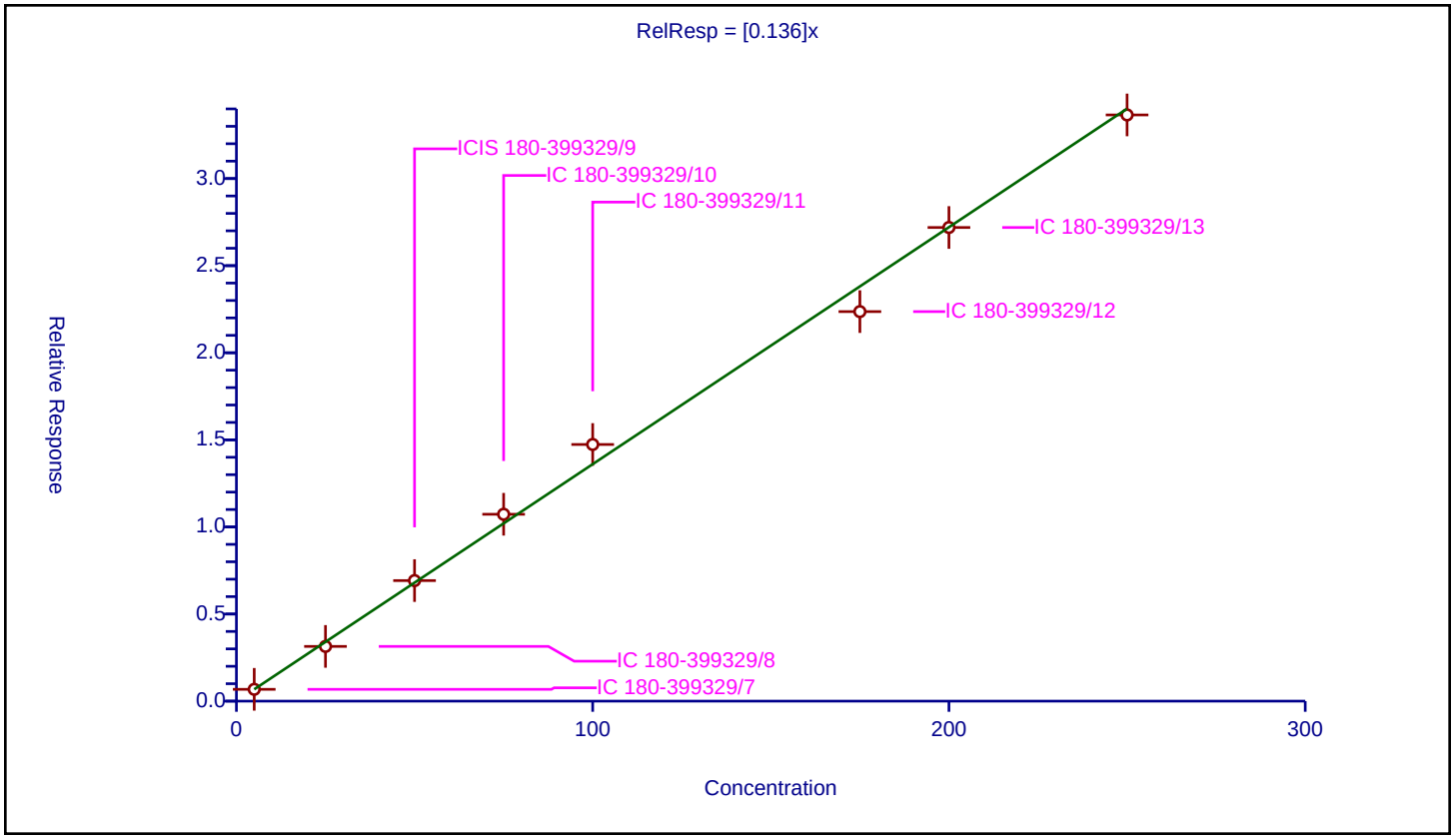
Curve Coefficients

Intercept:	0
Slope:	0.136

Error Coefficients

Standard Error:	866000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.677428	50.0	2117346.0	0.135486	Y
2	IC 180-399329/8	25.0	3.141893	50.0	2074498.0	0.125676	Y
3	ICIS 180-399329/9	50.0	6.921709	50.0	2002699.0	0.138434	Y
4	IC 180-399329/10	75.0	10.728416	50.0	1931739.0	0.143046	Y
5	IC 180-399329/11	100.0	14.734365	50.0	1984076.0	0.147344	Y
6	IC 180-399329/12	175.0	22.361927	50.0	2232520.0	0.127782	Y
7	IC 180-399329/13	200.0	27.191944	50.0	2114573.0	0.13596	Y
8	IC 180-399329/14	250.0	33.652241	50.0	2264243.0	0.134609	Y



Calibration / 1,1-Dichloroethene

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

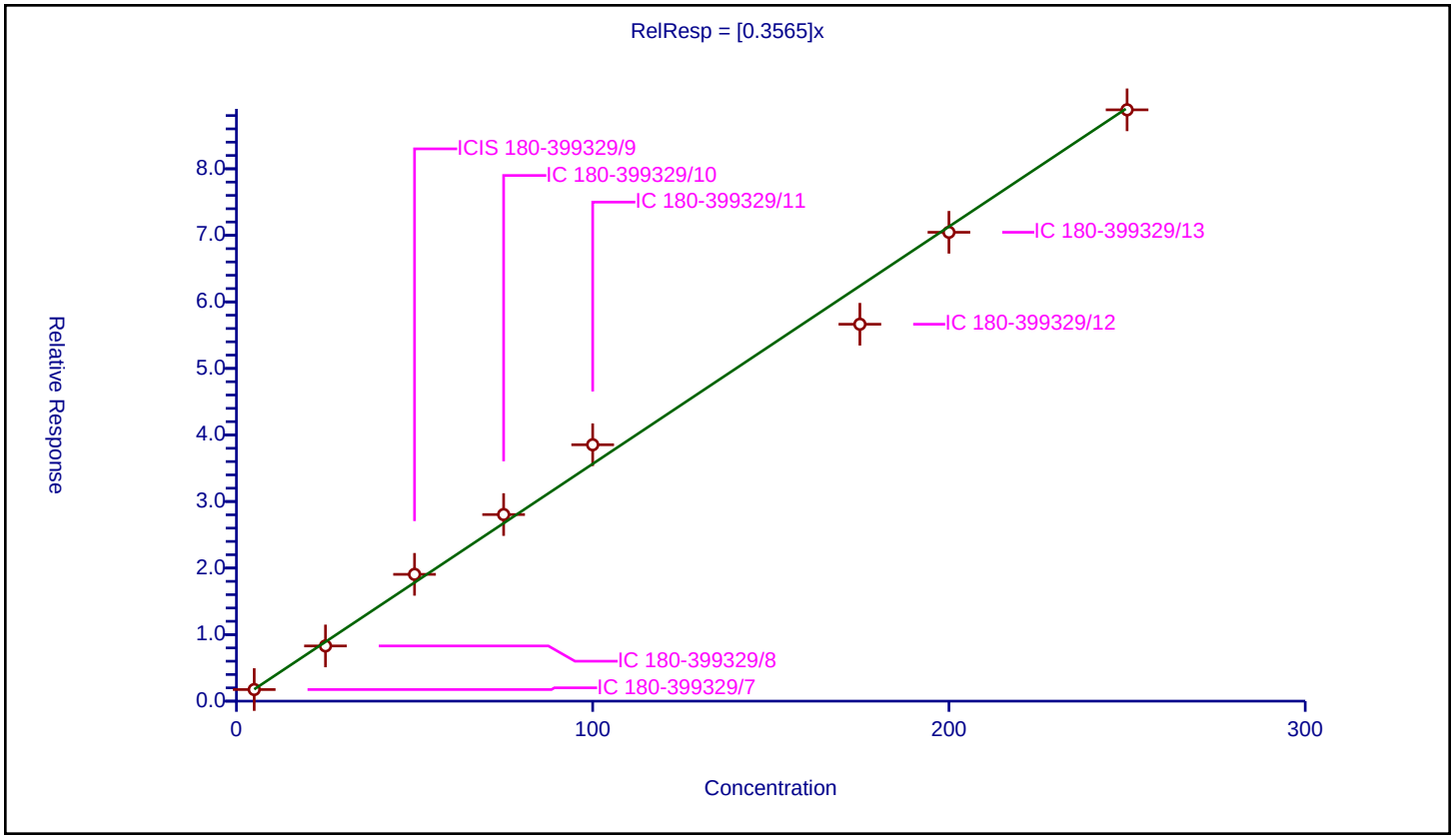
Curve Coefficients

Intercept:	0
Slope:	0.3565

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.743905	50.0	2117346.0	0.348781	Y
2	IC 180-399329/8	25.0	8.295404	50.0	2074498.0	0.331816	Y
3	ICIS 180-399329/9	50.0	19.054461	50.0	2002699.0	0.381089	Y
4	IC 180-399329/10	75.0	28.037949	50.0	1931739.0	0.373839	Y
5	IC 180-399329/11	100.0	38.527607	50.0	1984076.0	0.385276	Y
6	IC 180-399329/12	175.0	56.641822	50.0	2232520.0	0.323668	Y
7	IC 180-399329/13	200.0	70.458031	50.0	2114573.0	0.35229	Y
8	IC 180-399329/14	250.0	88.861774	50.0	2264243.0	0.355447	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

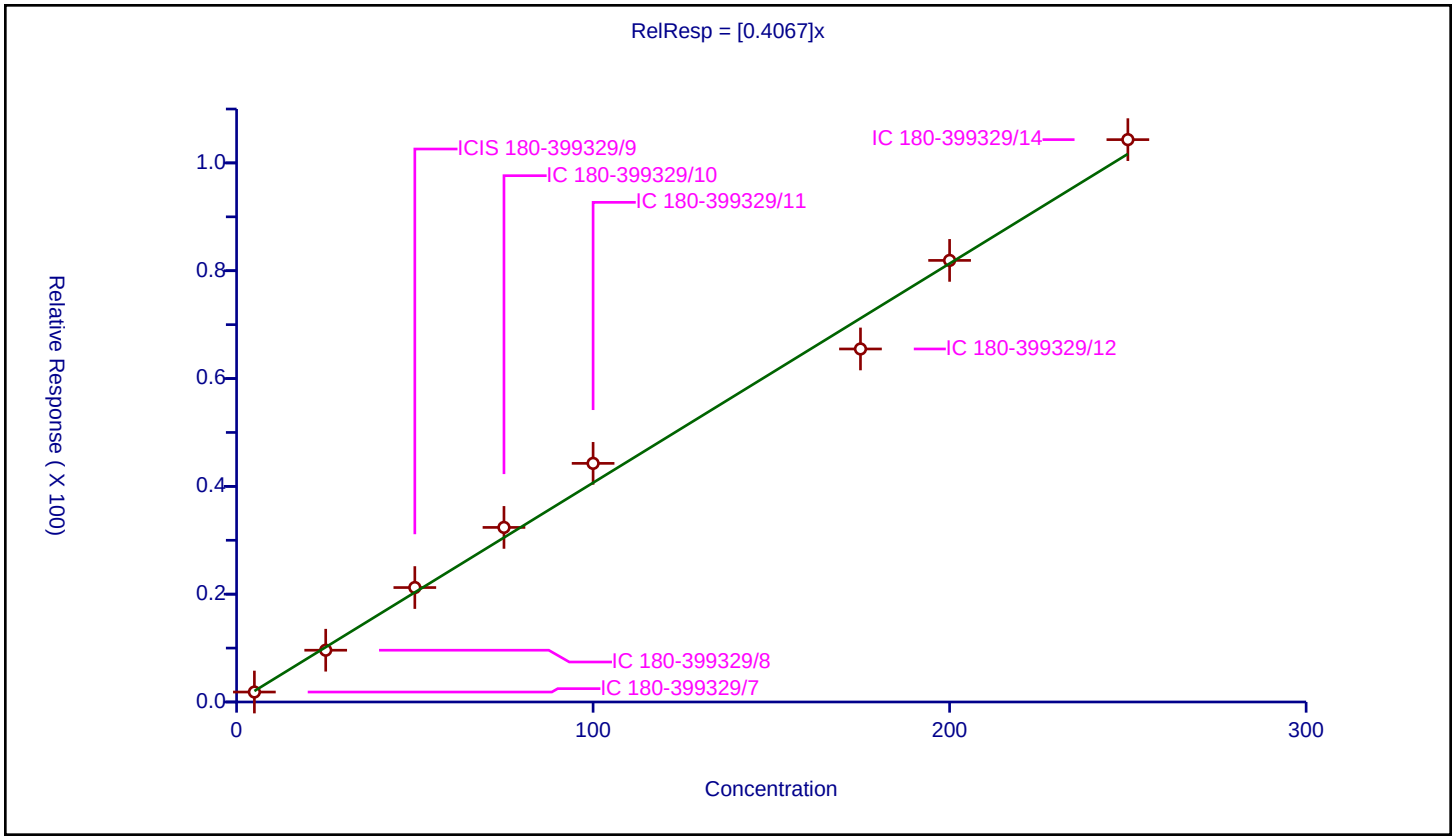
Curve Coefficients

Intercept:	0
Slope:	0.4067

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	6.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.846297	50.0	2117346.0	0.369259	Y
2	IC 180-399329/8	25.0	9.602323	50.0	2074498.0	0.384093	Y
3	ICIS 180-399329/9	50.0	21.230425	50.0	2002699.0	0.424608	Y
4	IC 180-399329/10	75.0	32.382247	50.0	1931739.0	0.431763	Y
5	IC 180-399329/11	100.0	44.268541	50.0	1984076.0	0.442685	Y
6	IC 180-399329/12	175.0	65.489559	50.0	2232520.0	0.374226	Y
7	IC 180-399329/13	200.0	81.915592	50.0	2114573.0	0.409578	Y
8	IC 180-399329/14	250.0	104.320384	50.0	2264243.0	0.417282	Y



Calibration / Acetone

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

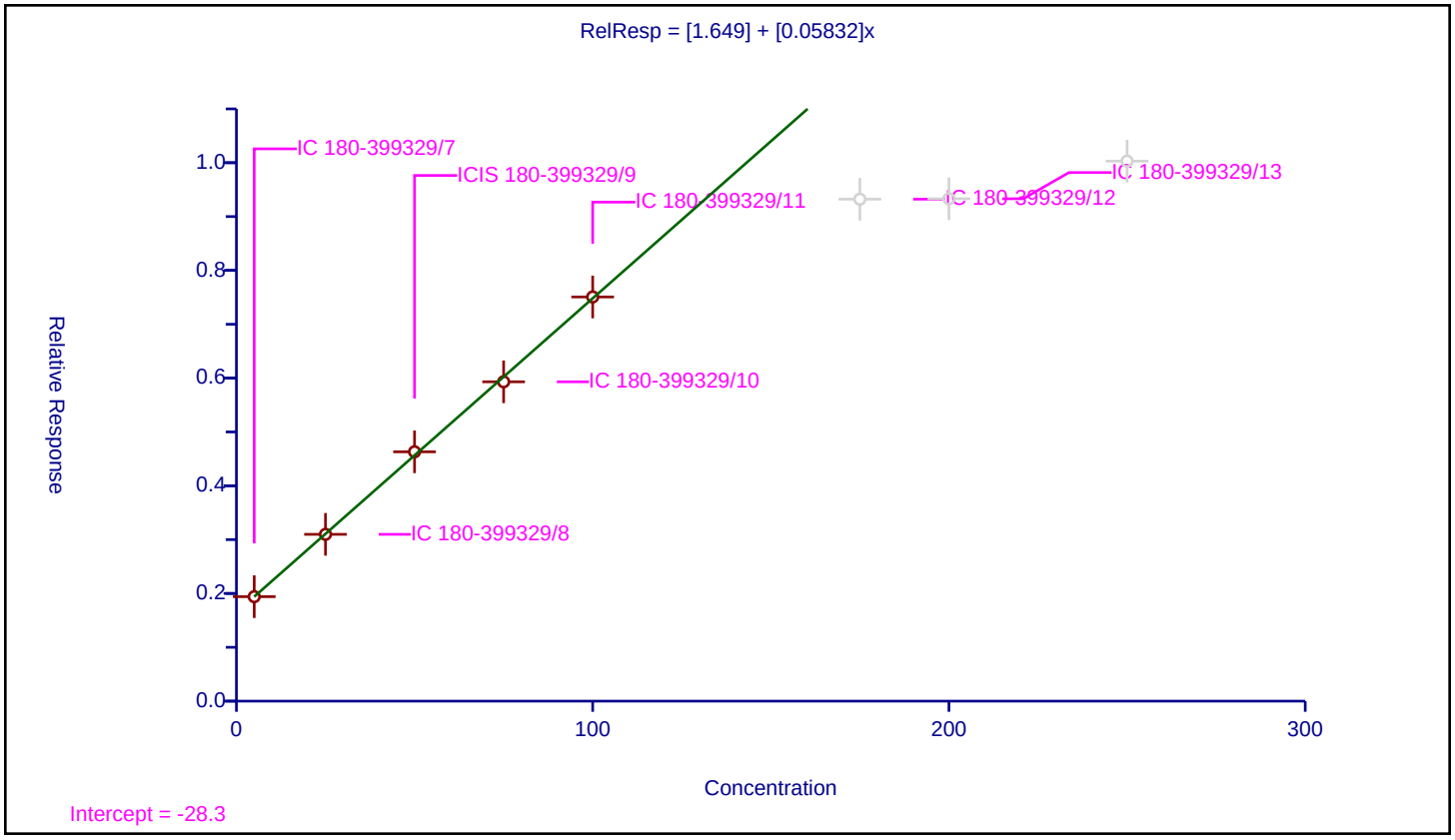
Curve Coefficients

Intercept:	1.649
Slope:	0.05832

Error Coefficients

Standard Error:	258000
Relative Standard Error:	1.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.940613	50.0	2117346.0	0.388123	Y
2	IC 180-399329/8	25.0	3.097761	50.0	2074498.0	0.12391	Y
3	ICIS 180-399329/9	50.0	4.6311	50.0	2002699.0	0.092622	Y
4	IC 180-399329/10	75.0	5.931624	50.0	1931739.0	0.079088	Y
5	IC 180-399329/11	100.0	7.507273	50.0	1984076.0	0.075073	Y
6	IC 180-399329/12	175.0	9.322985	50.0	2232520.0	0.053274	N
7	IC 180-399329/13	200.0	9.33082	50.0	2114573.0	0.046654	N
8	IC 180-399329/14	250.0	10.029467	50.0	2264243.0	0.040118	N



Calibration / Iodomethane

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

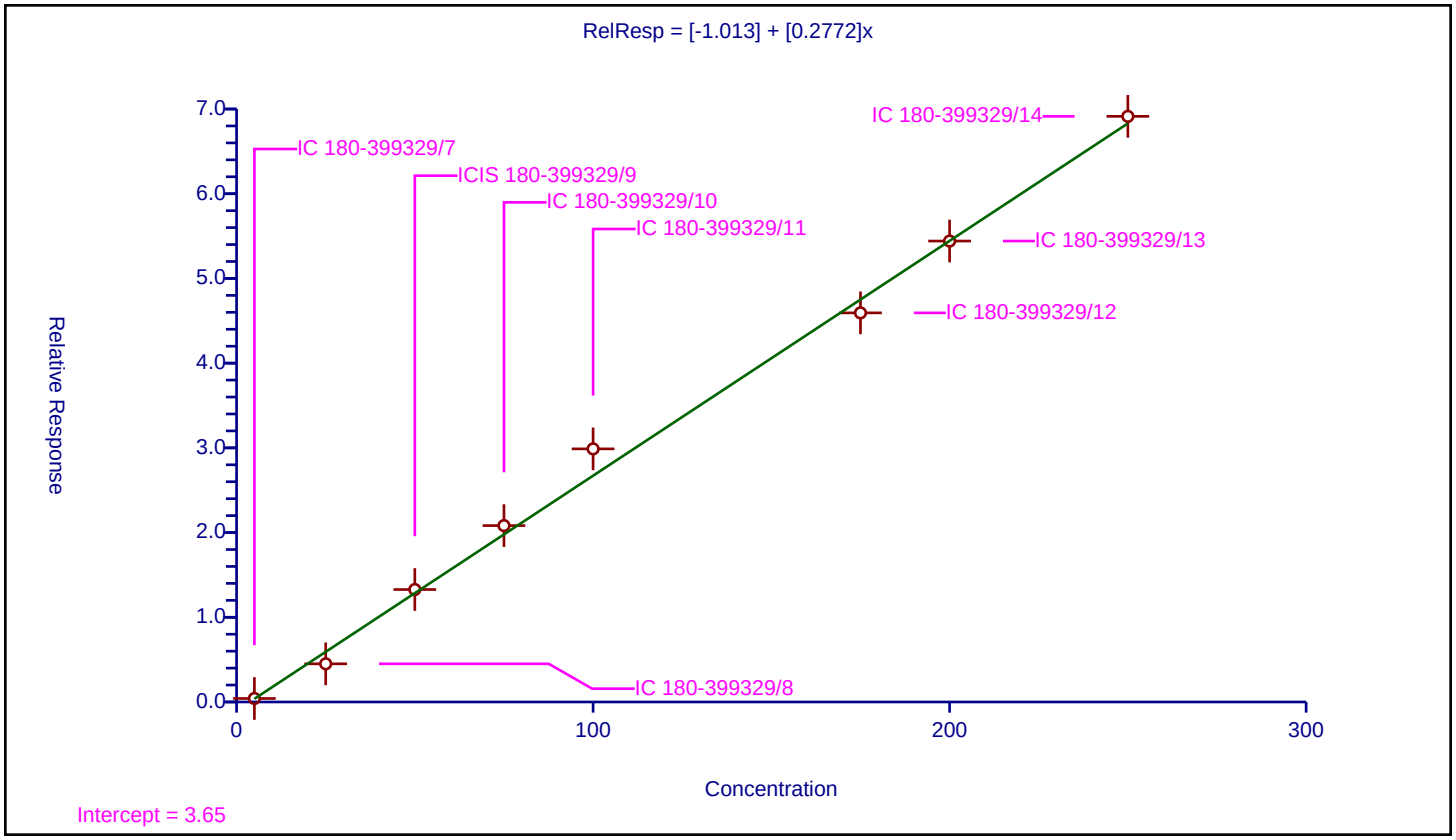
Curve Coefficients

Intercept:	-1.013
Slope:	0.2772

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.413844	50.0	2117346.0	0.082769	Y
2	IC 180-399329/8	25.0	4.506946	50.0	2074498.0	0.180278	Y
3	ICIS 180-399329/9	50.0	13.276059	50.0	2002699.0	0.265521	Y
4	IC 180-399329/10	75.0	20.823077	50.0	1931739.0	0.277641	Y
5	IC 180-399329/11	100.0	29.877485	50.0	1984076.0	0.298775	Y
6	IC 180-399329/12	175.0	45.93222	50.0	2232520.0	0.26247	Y
7	IC 180-399329/13	200.0	54.414839	50.0	2114573.0	0.272074	Y
8	IC 180-399329/14	250.0	69.133812	50.0	2264243.0	0.276535	Y



Calibration / Carbon disulfide

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

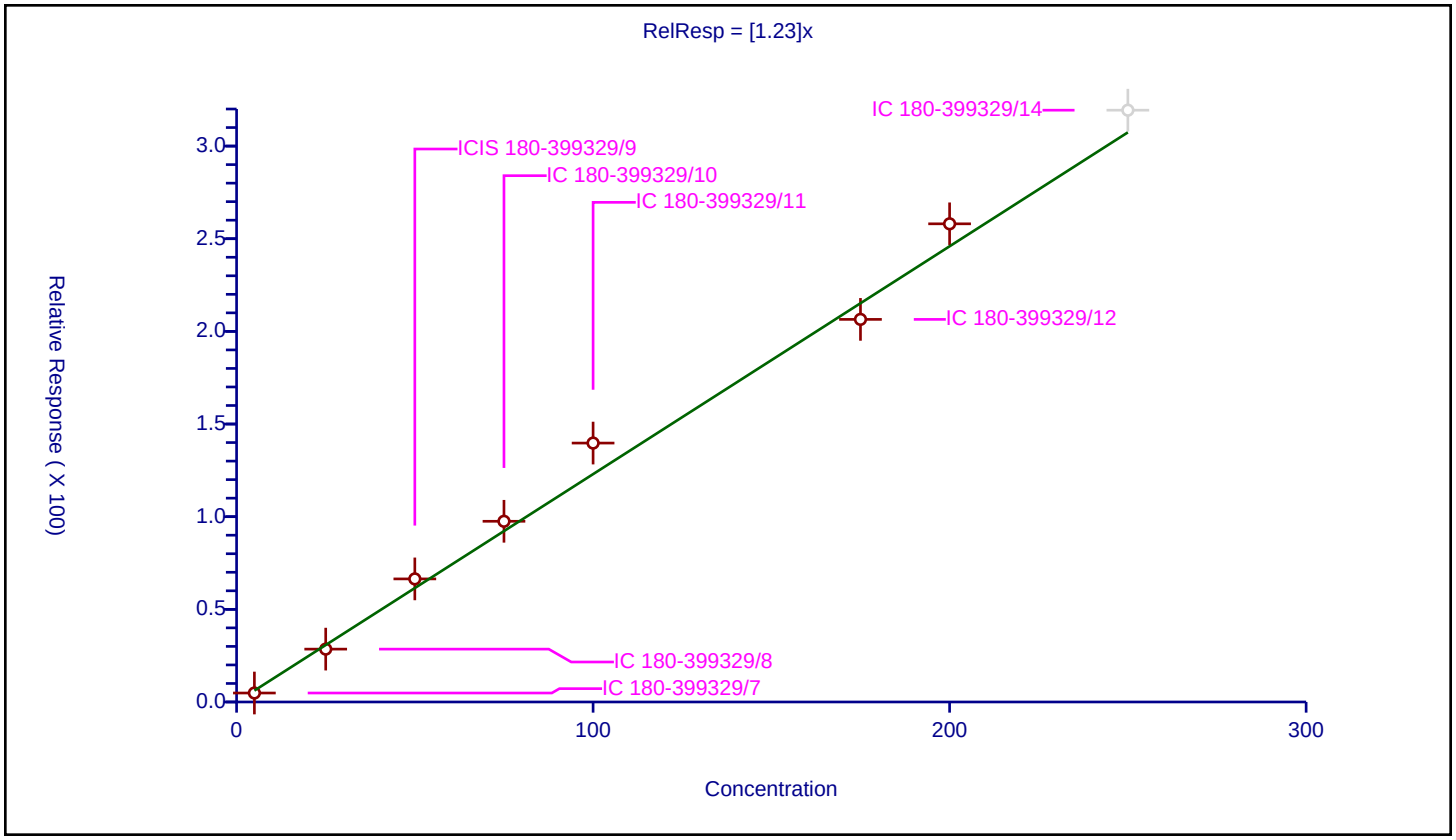
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Standard Error:	6550000
Relative Standard Error:	11.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	4.848995	50.0	2117346.0	0.969799	Y
2	IC 180-399329/8	25.0	28.535602	50.0	2074498.0	1.141424	Y
3	ICIS 180-399329/9	50.0	66.414524	50.0	2002699.0	1.32829	Y
4	IC 180-399329/10	75.0	97.512733	50.0	1931739.0	1.30017	Y
5	IC 180-399329/11	100.0	139.72053	50.0	1984076.0	1.397205	Y
6	IC 180-399329/12	175.0	206.472462	50.0	2232520.0	1.179843	Y
7	IC 180-399329/13	200.0	258.053352	50.0	2114573.0	1.290267	Y
8	IC 180-399329/14	250.0	319.368593	50.0	2264243.0	1.277474	N



Calibration / 3-Chloro-1-propene

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

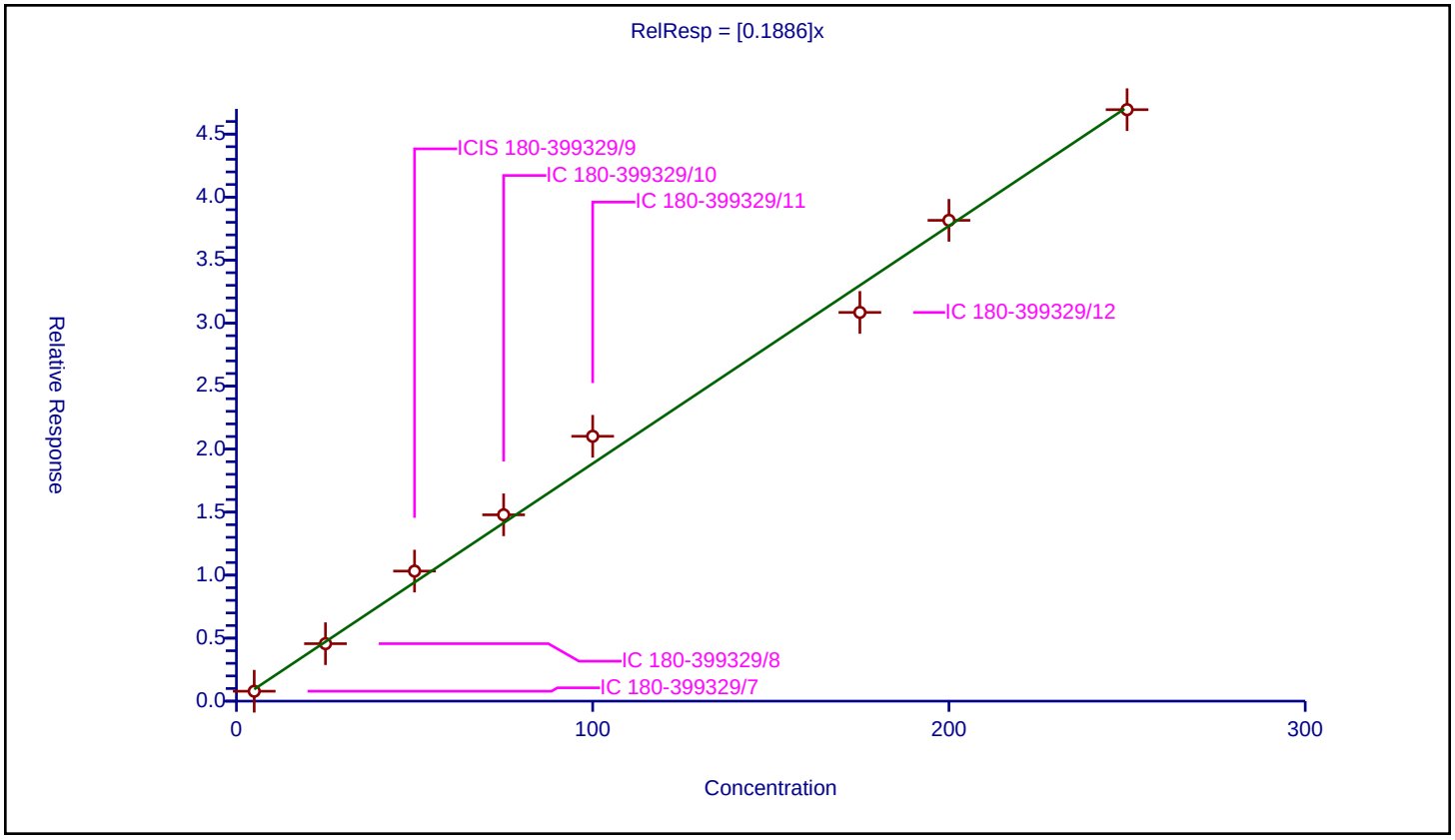
Curve Coefficients

Intercept:	0
Slope:	0.1886

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	9.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.787165	50.0	2117346.0	0.157433	Y
2	IC 180-399329/8	25.0	4.561176	50.0	2074498.0	0.182447	Y
3	ICIS 180-399329/9	50.0	10.319724	50.0	2002699.0	0.206394	Y
4	IC 180-399329/10	75.0	14.786625	50.0	1931739.0	0.197155	Y
5	IC 180-399329/11	100.0	21.019331	50.0	1984076.0	0.210193	Y
6	IC 180-399329/12	175.0	30.847652	50.0	2232520.0	0.176272	Y
7	IC 180-399329/13	200.0	38.157349	50.0	2114573.0	0.190787	Y
8	IC 180-399329/14	250.0	46.939043	50.0	2264243.0	0.187756	Y



Calibration / Methyl acetate

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

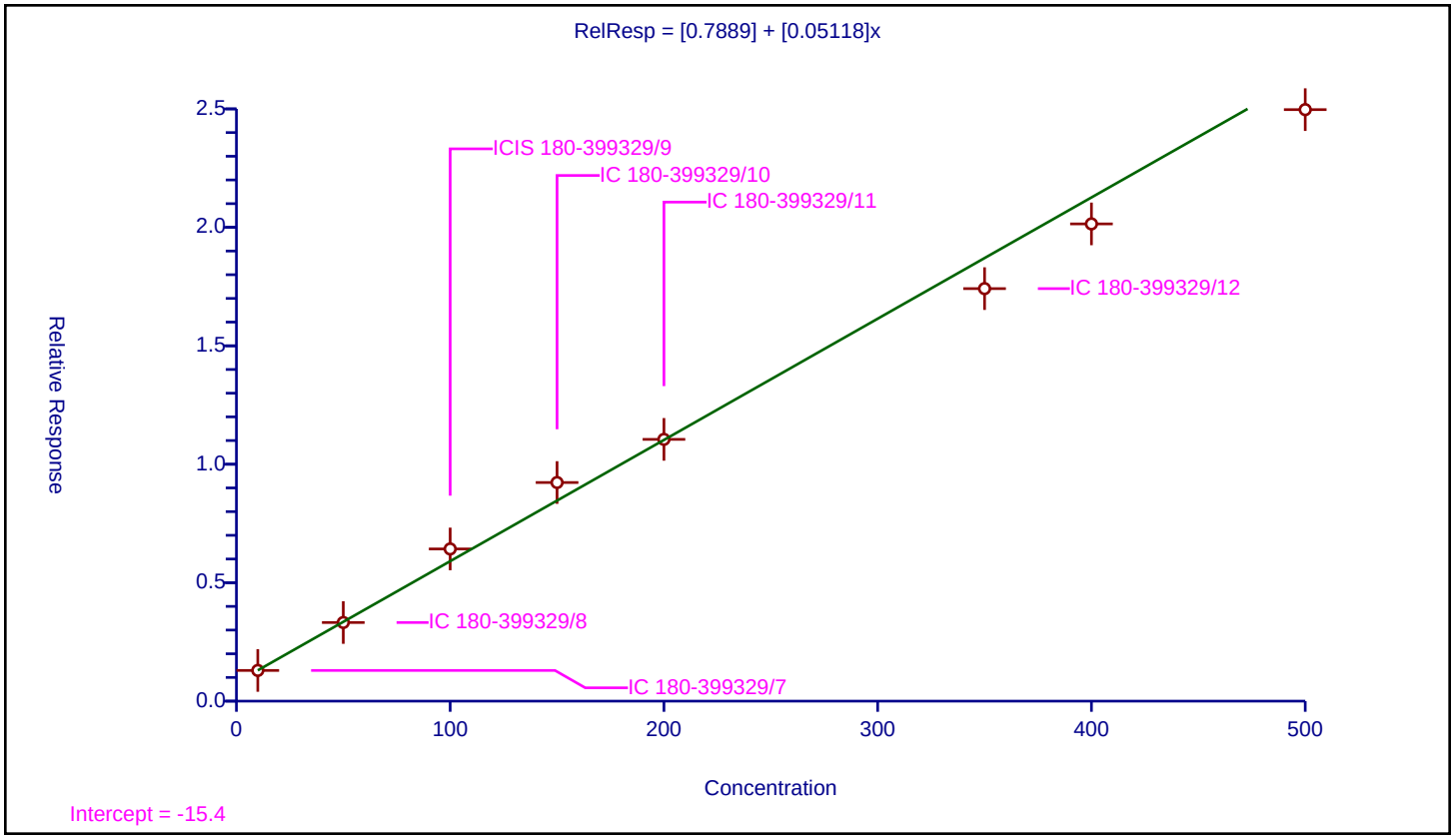
Curve Coefficients

Intercept:	0.7889
Slope:	0.05118

Error Coefficients

Standard Error:	709000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	10.0	1.295561	50.0	2117346.0	0.129556	Y
2	IC 180-399329/8	50.0	3.319863	50.0	2074498.0	0.066397	Y
3	ICIS 180-399329/9	100.0	6.42438	50.0	2002699.0	0.064244	Y
4	IC 180-399329/10	150.0	9.228239	50.0	1931739.0	0.061522	Y
5	IC 180-399329/11	200.0	11.050081	50.0	1984076.0	0.05525	Y
6	IC 180-399329/12	350.0	17.413394	50.0	2232520.0	0.049753	Y
7	IC 180-399329/13	400.0	20.144871	50.0	2114573.0	0.050362	Y
8	IC 180-399329/14	500.0	24.968809	50.0	2264243.0	0.049938	Y



Calibration / Methylene Chloride

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

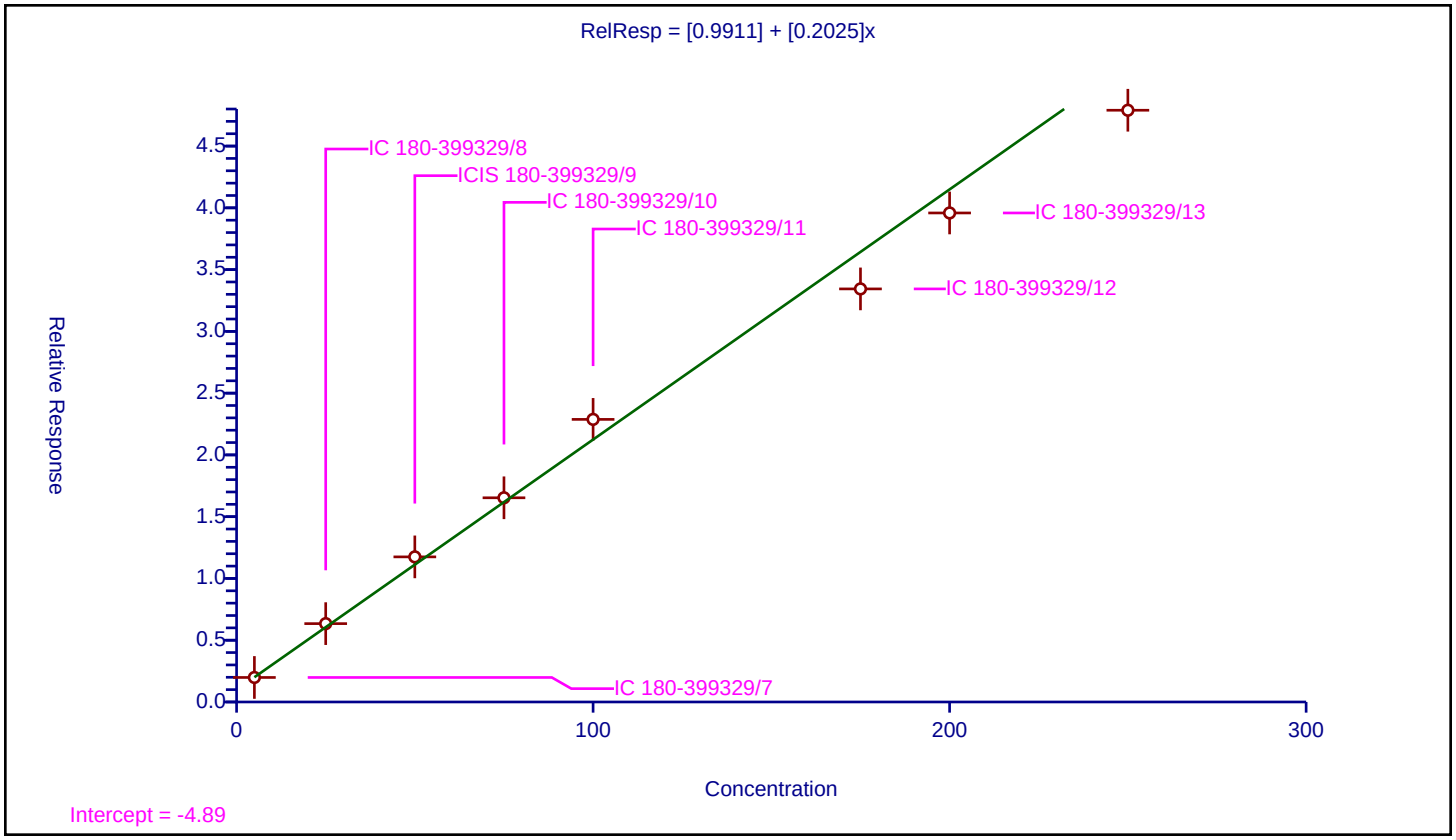
Curve Coefficients

Intercept:	0.9911
Slope:	0.2025

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.985268	50.0	2117346.0	0.397054	Y
2	IC 180-399329/8	25.0	6.342643	50.0	2074498.0	0.253706	Y
3	ICIS 180-399329/9	50.0	11.745599	50.0	2002699.0	0.234912	Y
4	IC 180-399329/10	75.0	16.530365	50.0	1931739.0	0.220405	Y
5	IC 180-399329/11	100.0	22.876241	50.0	1984076.0	0.228762	Y
6	IC 180-399329/12	175.0	33.438513	50.0	2232520.0	0.191077	Y
7	IC 180-399329/13	200.0	39.585723	50.0	2114573.0	0.197929	Y
8	IC 180-399329/14	250.0	47.90049	50.0	2264243.0	0.191602	Y



Calibration / 2-Methyl-2-propanol

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

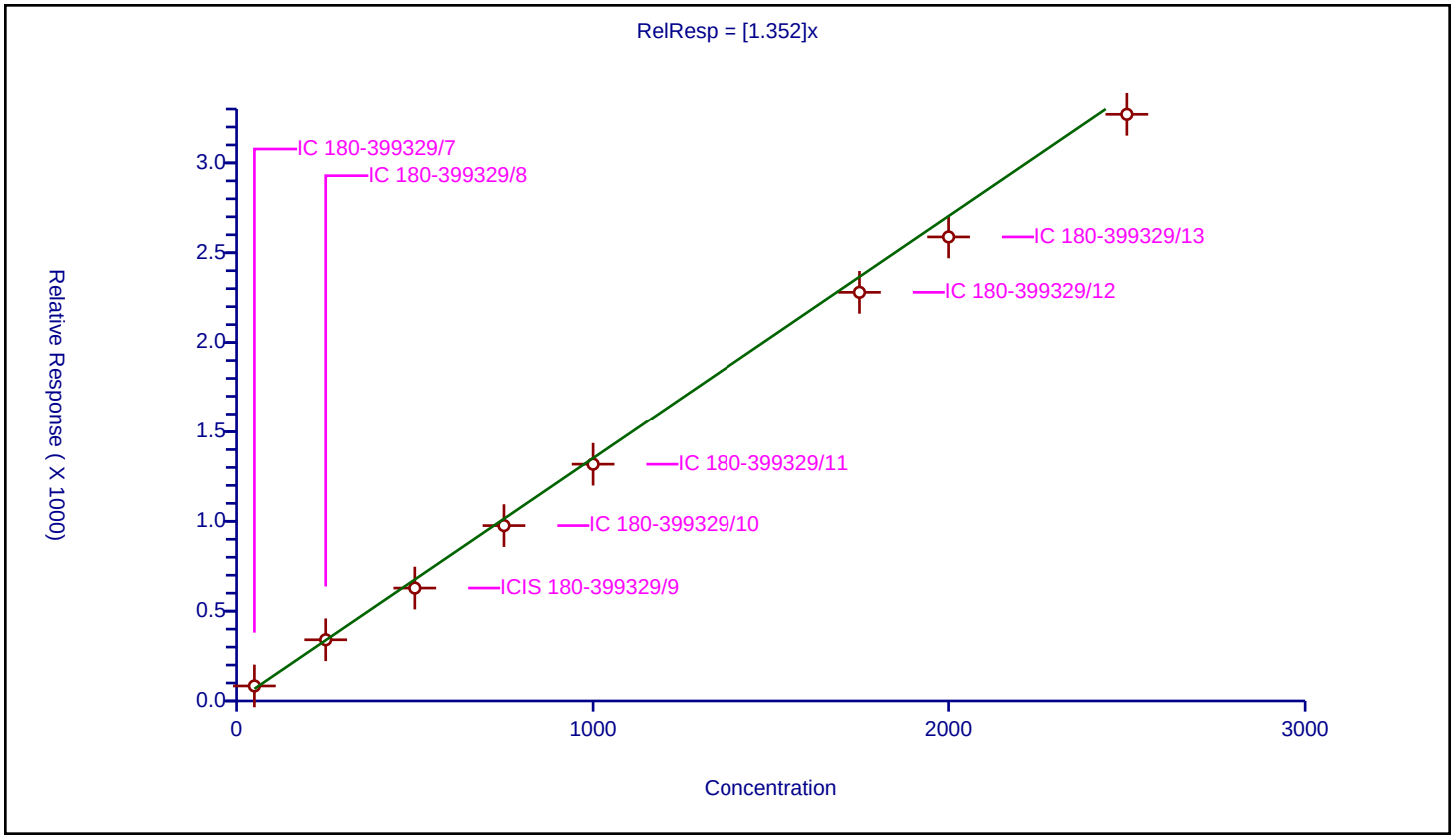
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Standard Error:	620000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	50.0	83.616077	1000.0	227827.0	1.672322	Y
2	IC 180-399329/8	250.0	340.697531	1000.0	292632.0	1.36279	Y
3	ICIS 180-399329/9	500.0	628.379733	1000.0	309270.0	1.256759	Y
4	IC 180-399329/10	750.0	976.063389	1000.0	289640.0	1.301418	Y
5	IC 180-399329/11	1000.0	1318.147475	1000.0	311035.0	1.318147	Y
6	IC 180-399329/12	1750.0	2279.650604	1000.0	321469.0	1.302657	Y
7	IC 180-399329/13	2000.0	2588.071428	1000.0	315897.0	1.294036	Y
8	IC 180-399329/14	2500.0	3270.604183	1000.0	336388.0	1.308242	Y



Calibration / Acrylonitrile

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

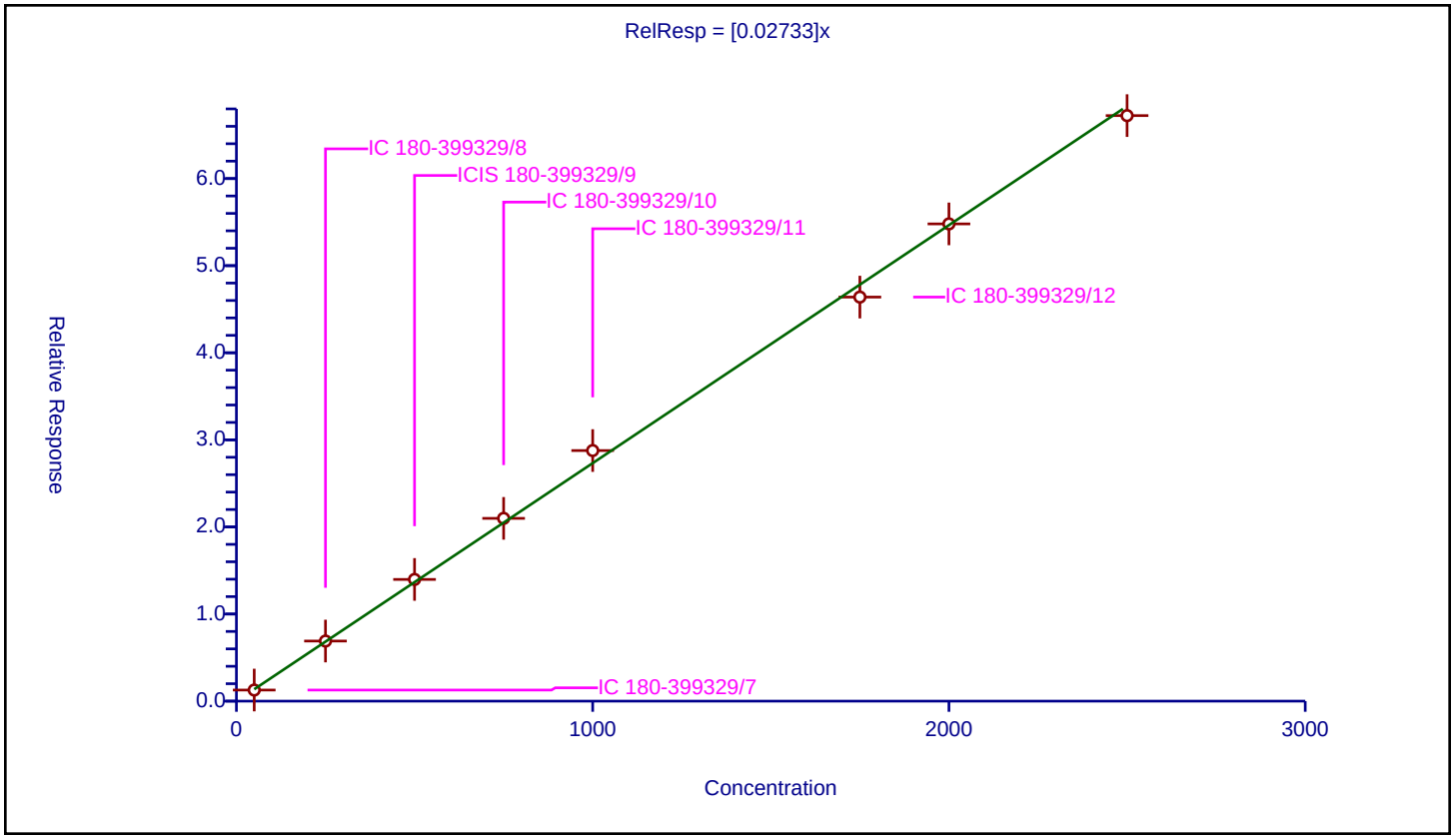
Curve Coefficients

Intercept:	0
Slope:	0.02733

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	3.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	50.0	1.275087	50.0	2117346.0	0.025502	Y
2	IC 180-399329/8	250.0	6.901742	50.0	2074498.0	0.027607	Y
3	ICIS 180-399329/9	500.0	13.973668	50.0	2002699.0	0.027947	Y
4	IC 180-399329/10	750.0	20.986893	50.0	1931739.0	0.027983	Y
5	IC 180-399329/11	1000.0	28.772033	50.0	1984076.0	0.028772	Y
6	IC 180-399329/12	1750.0	46.39291	50.0	2232520.0	0.02651	Y
7	IC 180-399329/13	2000.0	54.796146	50.0	2114573.0	0.027398	Y
8	IC 180-399329/14	2500.0	67.227833	50.0	2264243.0	0.026891	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

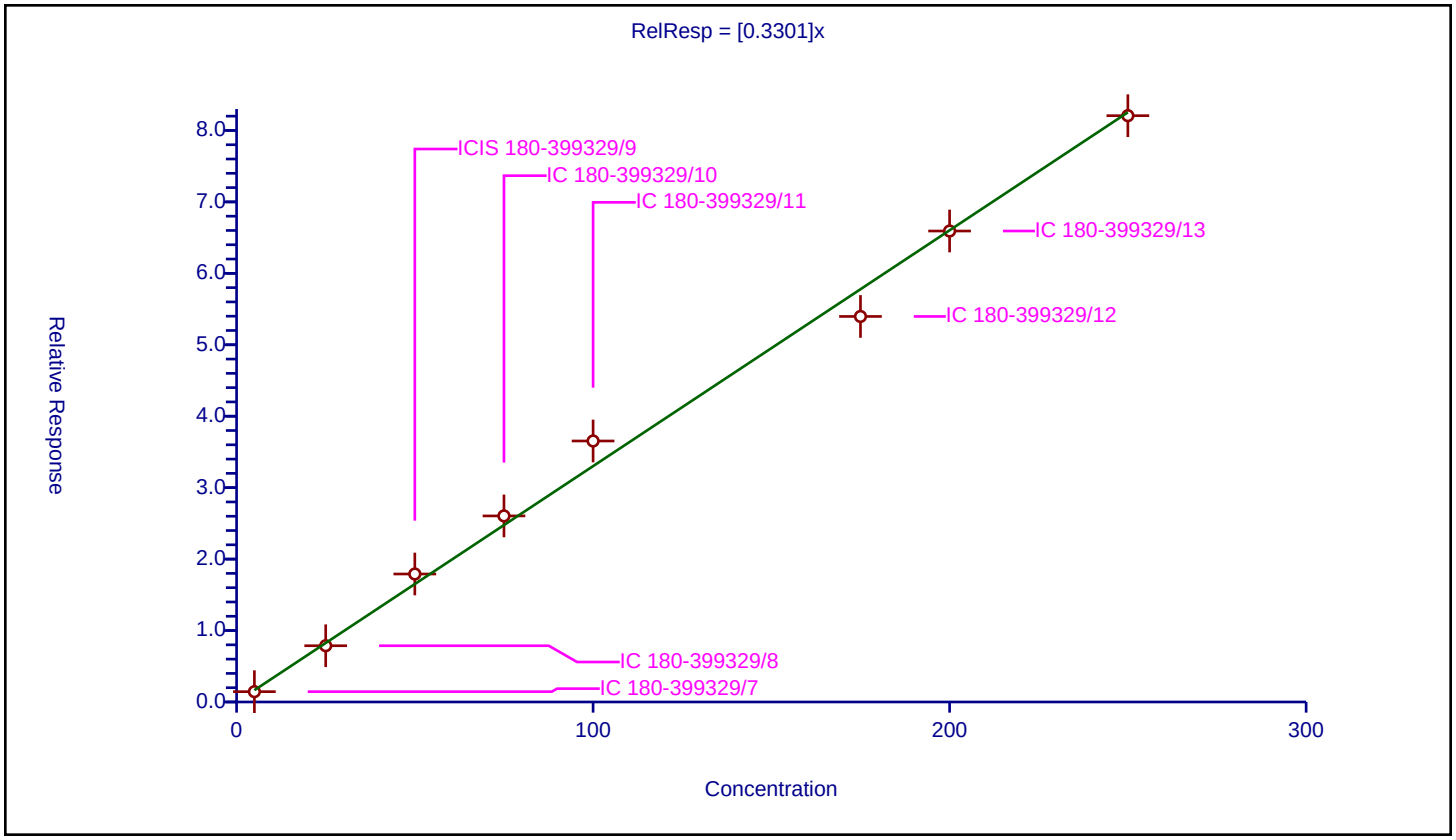
Curve Coefficients

Intercept:	0
Slope:	0.3301

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.444615	50.0	2117346.0	0.288923	Y
2	IC 180-399329/8	25.0	7.873399	50.0	2074498.0	0.314936	Y
3	ICIS 180-399329/9	50.0	17.916147	50.0	2002699.0	0.358323	Y
4	IC 180-399329/10	75.0	26.044538	50.0	1931739.0	0.347261	Y
5	IC 180-399329/11	100.0	36.533782	50.0	1984076.0	0.365338	Y
6	IC 180-399329/12	175.0	53.962854	50.0	2232520.0	0.308359	Y
7	IC 180-399329/13	200.0	65.92513	50.0	2114573.0	0.329626	Y
8	IC 180-399329/14	250.0	82.065971	50.0	2264243.0	0.328264	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

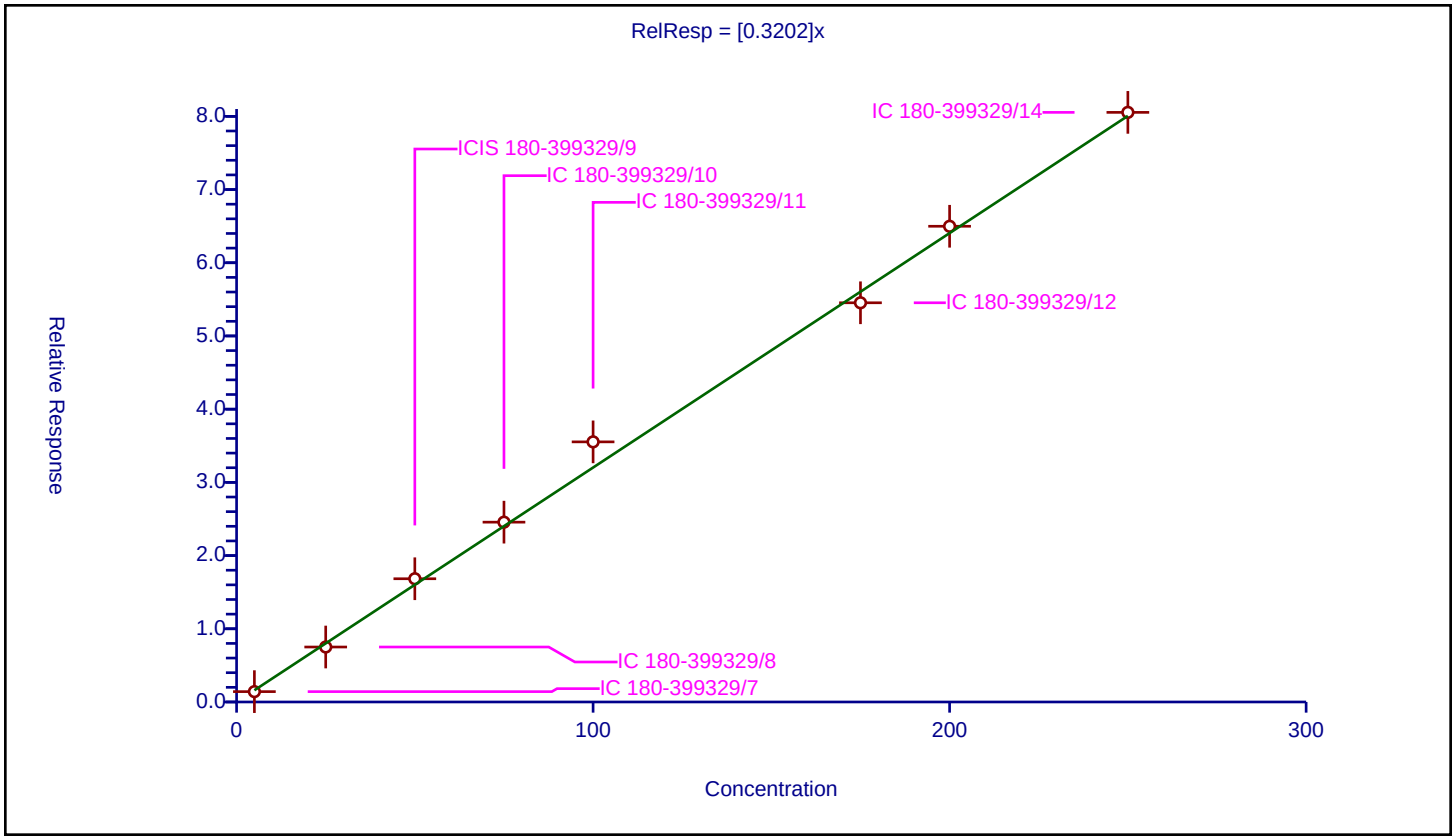
Curve Coefficients

Intercept:	0
Slope:	0.3202

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.41616	50.0	2117346.0	0.283232	Y
2	IC 180-399329/8	25.0	7.51054	50.0	2074498.0	0.300422	Y
3	ICIS 180-399329/9	50.0	16.834632	50.0	2002699.0	0.336693	Y
4	IC 180-399329/10	75.0	24.564317	50.0	1931739.0	0.327524	Y
5	IC 180-399329/11	100.0	35.533997	50.0	1984076.0	0.35534	Y
6	IC 180-399329/12	175.0	54.530732	50.0	2232520.0	0.311604	Y
7	IC 180-399329/13	200.0	64.98215	50.0	2114573.0	0.324911	Y
8	IC 180-399329/14	250.0	80.542482	50.0	2264243.0	0.32217	Y



Calibration / Hexane

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

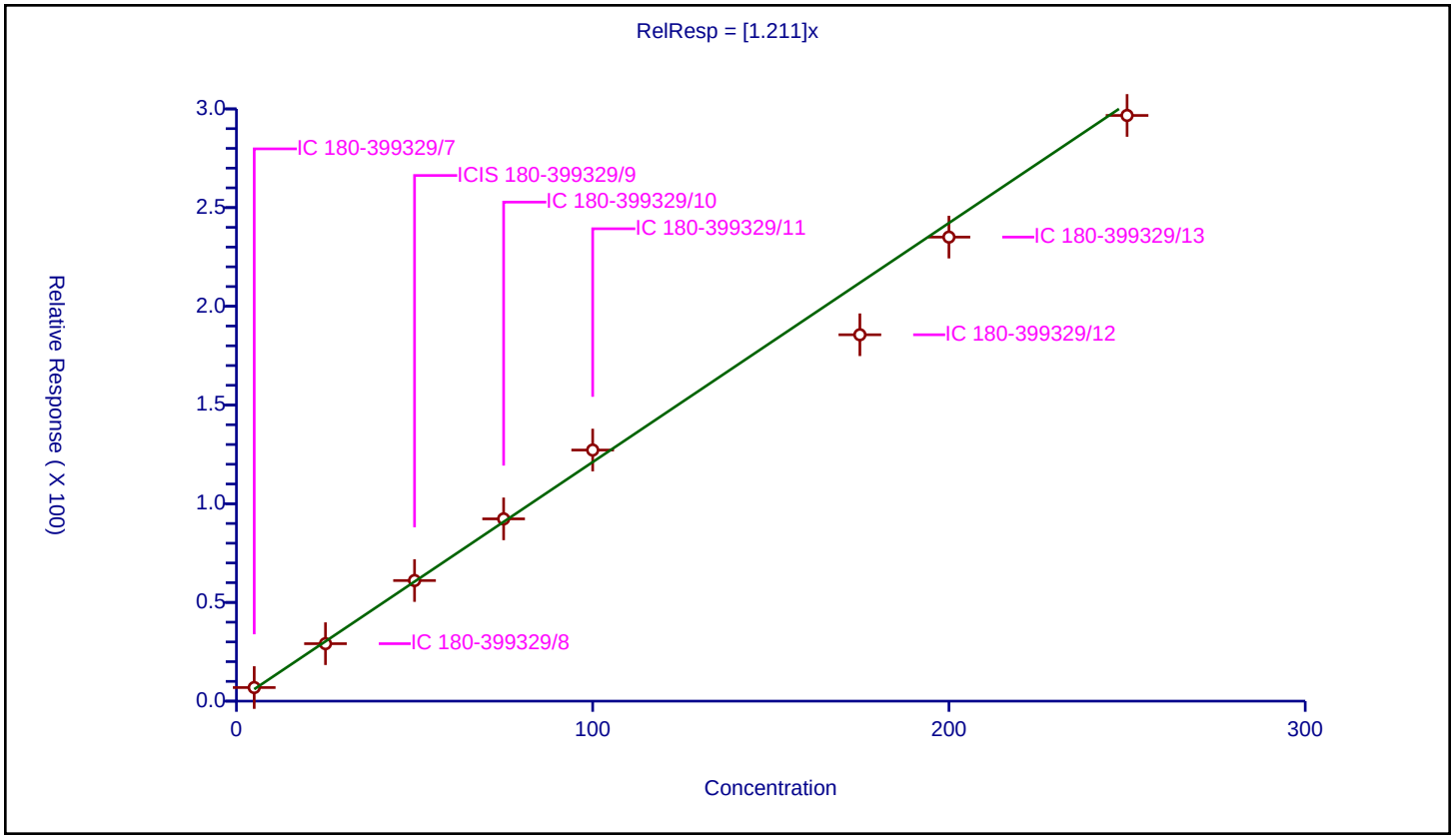
Curve Coefficients

Intercept:	0
Slope:	1.211

Error Coefficients

Standard Error:	7500000
Relative Standard Error:	7.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	6.882271	50.0	2117346.0	1.376454	Y
2	IC 180-399329/8	25.0	29.103282	50.0	2074498.0	1.164131	Y
3	ICIS 180-399329/9	50.0	61.091083	50.0	2002699.0	1.221822	Y
4	IC 180-399329/10	75.0	92.331236	50.0	1931739.0	1.231083	Y
5	IC 180-399329/11	100.0	127.188323	50.0	1984076.0	1.271883	Y
6	IC 180-399329/12	175.0	185.593253	50.0	2232520.0	1.060533	Y
7	IC 180-399329/13	200.0	235.049109	50.0	2114573.0	1.175246	Y
8	IC 180-399329/14	250.0	296.678294	50.0	2264243.0	1.186713	Y



Calibration / 1,1-Dichloroethane

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

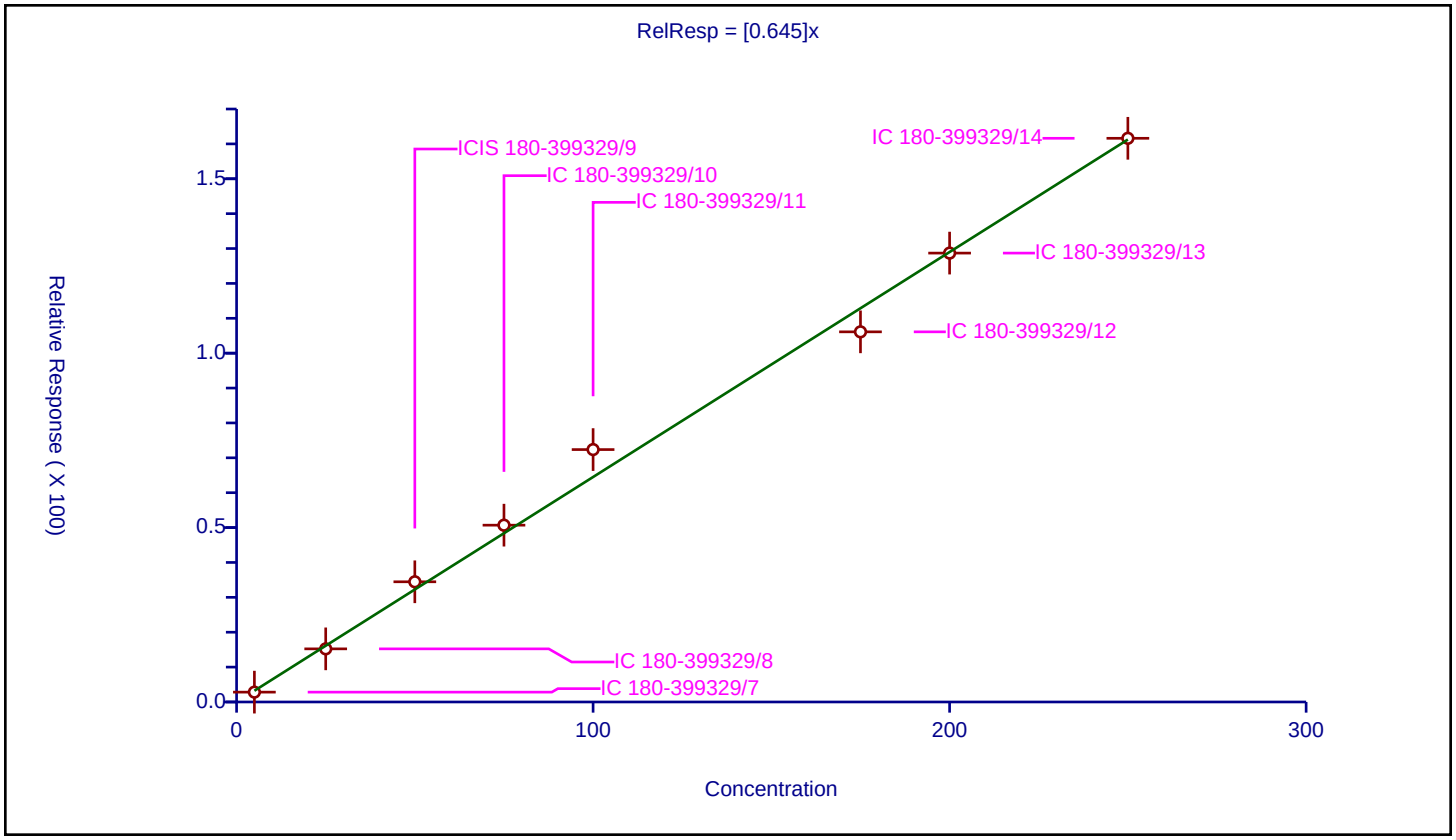
Curve Coefficients

Intercept:	0
Slope:	0.645

Error Coefficients

Standard Error:	4140000
Relative Standard Error:	7.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.828305	50.0	2117346.0	0.565661	Y
2	IC 180-399329/8	25.0	15.232745	50.0	2074498.0	0.60931	Y
3	ICIS 180-399329/9	50.0	34.459372	50.0	2002699.0	0.689187	Y
4	IC 180-399329/10	75.0	50.688809	50.0	1931739.0	0.675851	Y
5	IC 180-399329/11	100.0	72.367666	50.0	1984076.0	0.723677	Y
6	IC 180-399329/12	175.0	106.115242	50.0	2232520.0	0.606373	Y
7	IC 180-399329/13	200.0	128.690473	50.0	2114573.0	0.643452	Y
8	IC 180-399329/14	250.0	161.606594	50.0	2264243.0	0.646426	Y



Calibration / 2,2-Dichloropropane

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

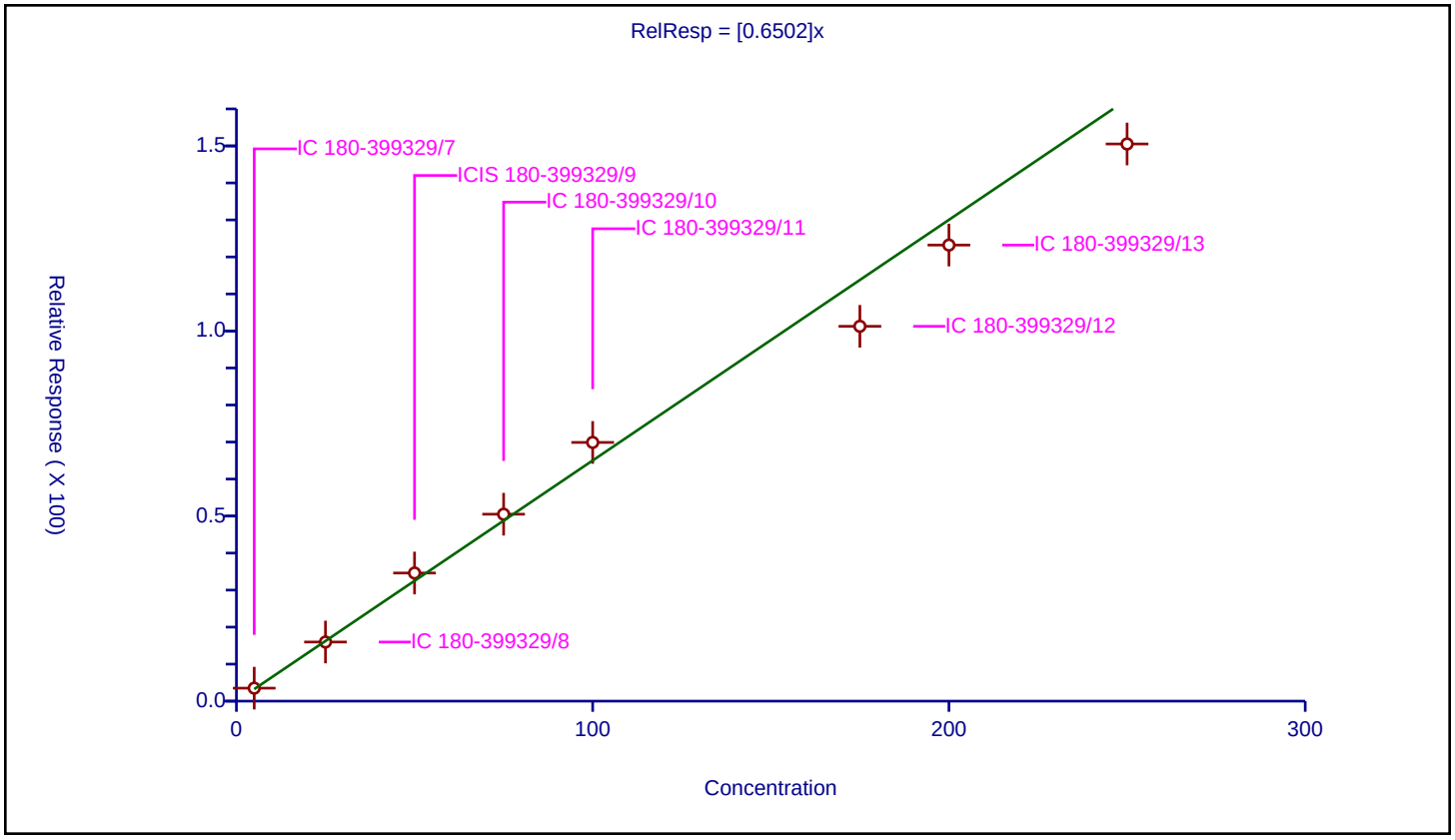
Curve Coefficients

Intercept:	0
Slope:	0.6502

Error Coefficients

Standard Error:	3930000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.50519	50.0	2117346.0	0.701038	Y
2	IC 180-399329/8	25.0	15.972876	50.0	2074498.0	0.638915	Y
3	ICIS 180-399329/9	50.0	34.614762	50.0	2002699.0	0.692295	Y
4	IC 180-399329/10	75.0	50.500896	50.0	1931739.0	0.673345	Y
5	IC 180-399329/11	100.0	69.894601	50.0	1984076.0	0.698946	Y
6	IC 180-399329/12	175.0	101.262878	50.0	2232520.0	0.578645	Y
7	IC 180-399329/13	200.0	123.208917	50.0	2114573.0	0.616045	Y
8	IC 180-399329/14	250.0	150.524789	50.0	2264243.0	0.602099	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

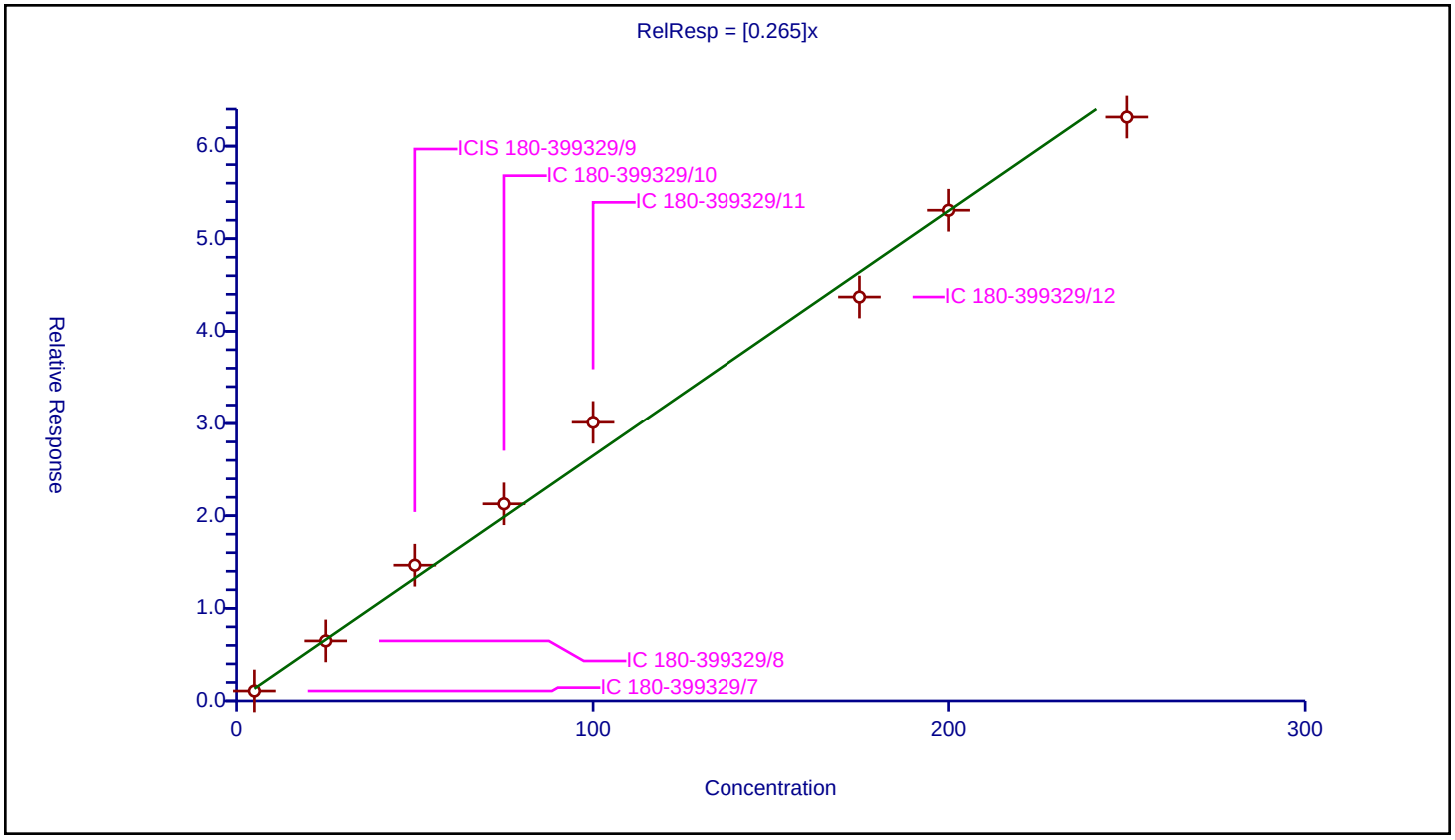
Curve Coefficients

Intercept:	0
Slope:	0.265

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.075474	50.0	2117346.0	0.215095	Y
2	IC 180-399329/8	25.0	6.484002	50.0	2074498.0	0.25936	Y
3	ICIS 180-399329/9	50.0	14.654024	50.0	2002699.0	0.29308	Y
4	IC 180-399329/10	75.0	21.290195	50.0	1931739.0	0.283869	Y
5	IC 180-399329/11	100.0	30.12808	50.0	1984076.0	0.301281	Y
6	IC 180-399329/12	175.0	43.703909	50.0	2232520.0	0.249737	Y
7	IC 180-399329/13	200.0	53.077619	50.0	2114573.0	0.265388	Y
8	IC 180-399329/14	250.0	63.141257	50.0	2264243.0	0.252565	Y



Calibration / 2-Butanone (MEK)

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

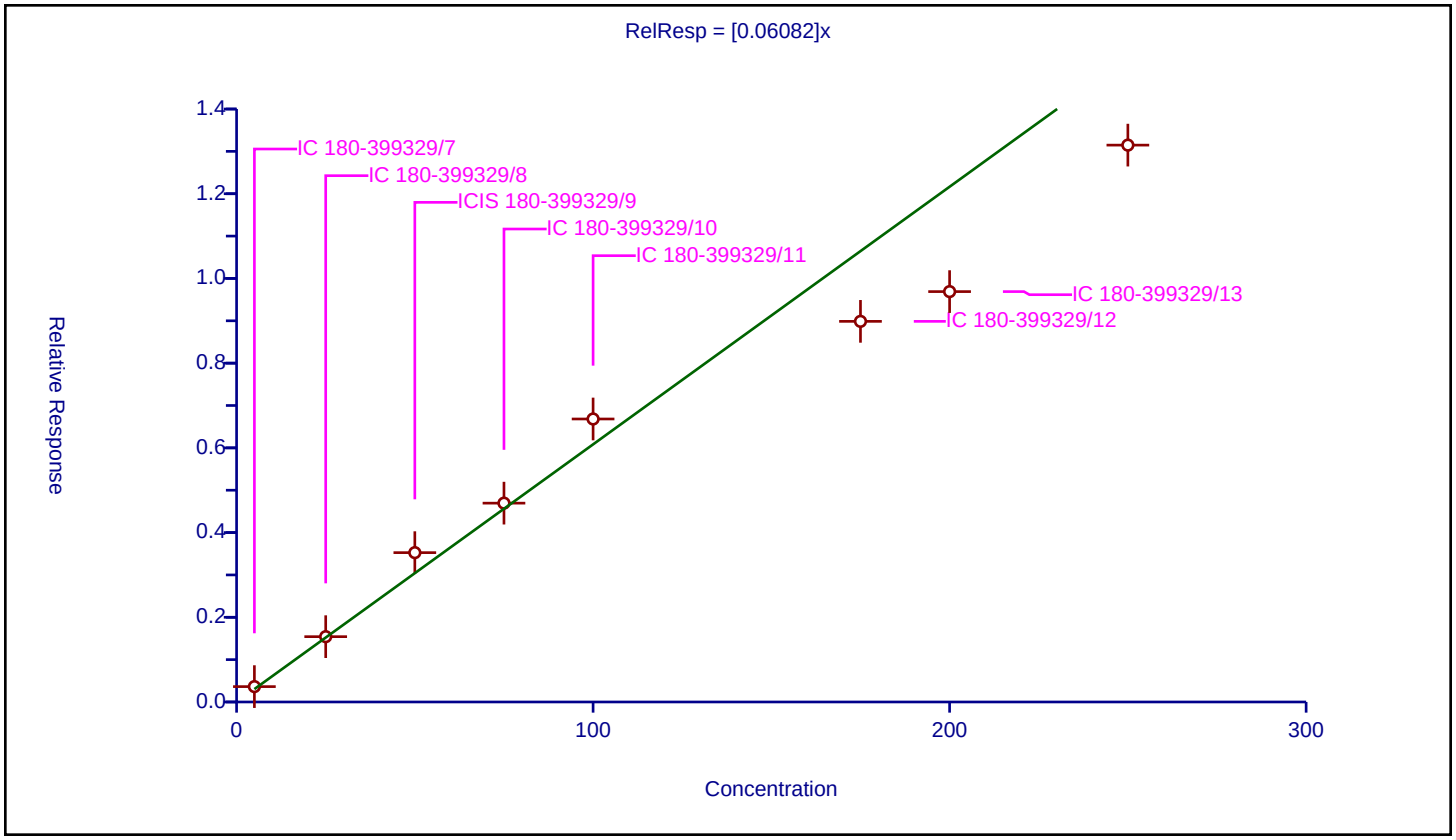
Curve Coefficients

Intercept:	0
Slope:	0.06082

Error Coefficients

Standard Error:	340000
Relative Standard Error:	15.0
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.363025	50.0	2117346.0	0.072605	Y
2	IC 180-399329/8	25.0	1.542036	50.0	2074498.0	0.061681	Y
3	ICIS 180-399329/9	50.0	3.525742	50.0	2002699.0	0.070515	Y
4	IC 180-399329/10	75.0	4.694578	50.0	1931739.0	0.062594	Y
5	IC 180-399329/11	100.0	6.681574	50.0	1984076.0	0.066816	Y
6	IC 180-399329/12	175.0	8.986549	50.0	2232520.0	0.051352	Y
7	IC 180-399329/13	200.0	9.689285	50.0	2114573.0	0.048446	Y
8	IC 180-399329/14	250.0	13.147573	50.0	2264243.0	0.05259	Y



Calibration / Chlorobromomethane

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

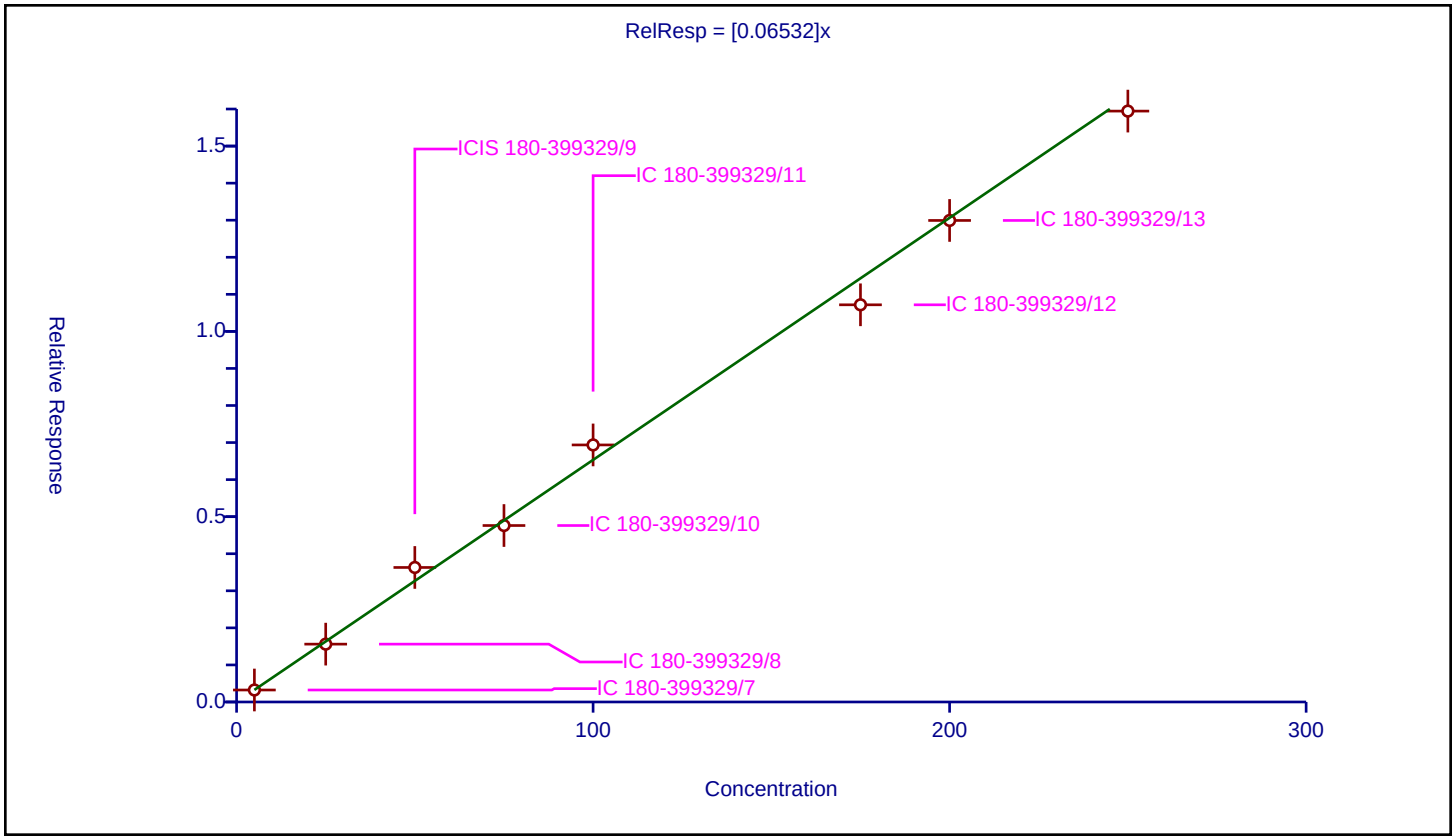
Curve Coefficients

Intercept:	0
Slope:	0.06532

Error Coefficients

Standard Error:	412000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.323542	50.0	2117346.0	0.064708	Y
2	IC 180-399329/8	25.0	1.561366	50.0	2074498.0	0.062455	Y
3	ICIS 180-399329/9	50.0	3.629352	50.0	2002699.0	0.072587	Y
4	IC 180-399329/10	75.0	4.761254	50.0	1931739.0	0.063483	Y
5	IC 180-399329/11	100.0	6.935848	50.0	1984076.0	0.069358	Y
6	IC 180-399329/12	175.0	10.717351	50.0	2232520.0	0.061242	Y
7	IC 180-399329/13	200.0	12.992978	50.0	2114573.0	0.064965	Y
8	IC 180-399329/14	250.0	15.944026	50.0	2264243.0	0.063776	Y



Calibration / Tetrahydrofuran

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

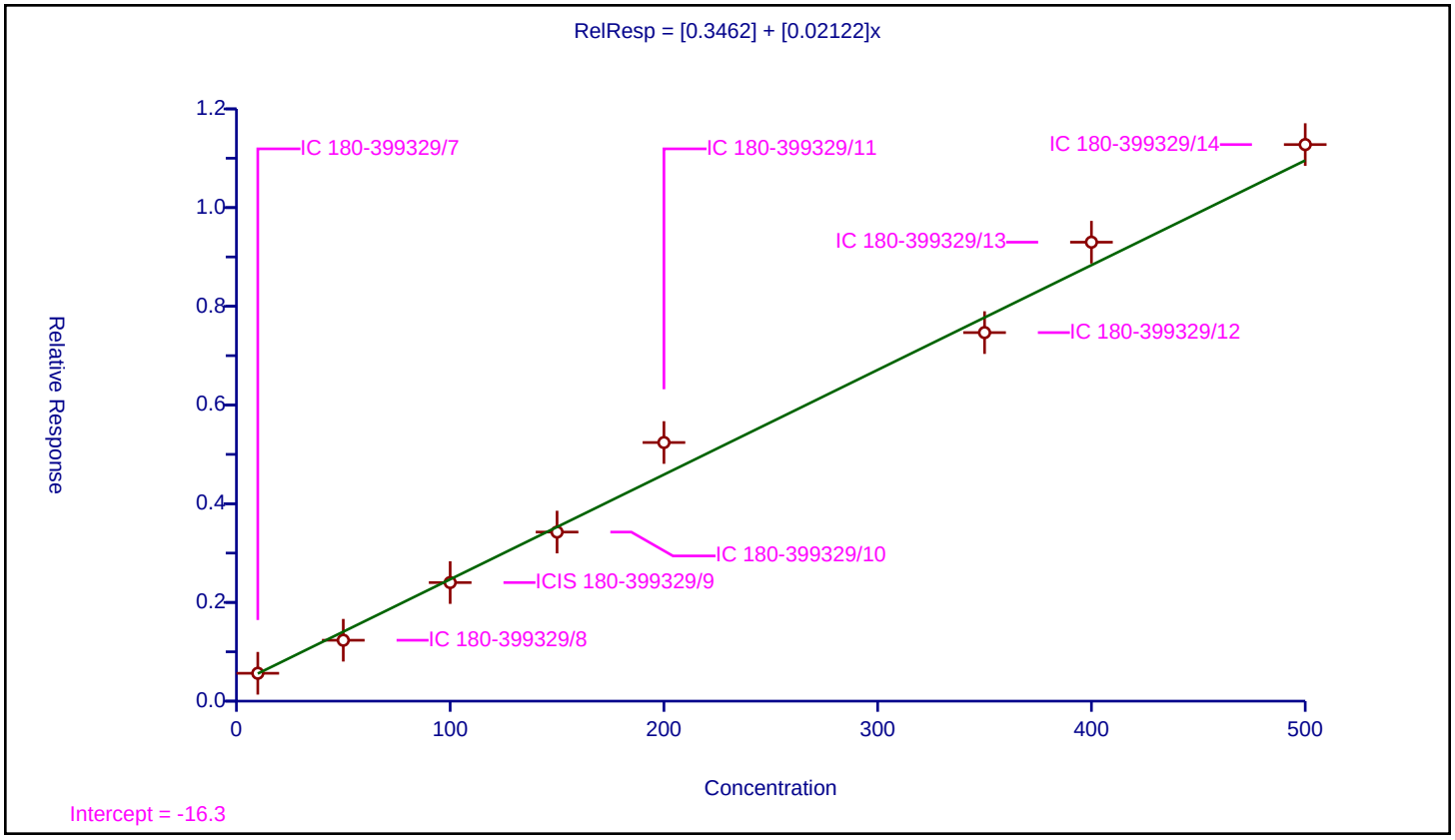
Curve Coefficients

Intercept:	0.3462
Slope:	0.02122

Error Coefficients

Standard Error:	316000
Relative Standard Error:	9.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	10.0	0.564646	50.0	2117346.0	0.056465	Y
2	IC 180-399329/8	50.0	1.233768	50.0	2074498.0	0.024675	Y
3	ICIS 180-399329/9	100.0	2.402932	50.0	2002699.0	0.024029	Y
4	IC 180-399329/10	150.0	3.425877	50.0	1931739.0	0.022839	Y
5	IC 180-399329/11	200.0	5.240071	50.0	1984076.0	0.0262	Y
6	IC 180-399329/12	350.0	7.467503	50.0	2232520.0	0.021336	Y
7	IC 180-399329/13	400.0	9.29897	50.0	2114573.0	0.023247	Y
8	IC 180-399329/14	500.0	11.276639	50.0	2264243.0	0.022553	Y



Calibration / Chloroform

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

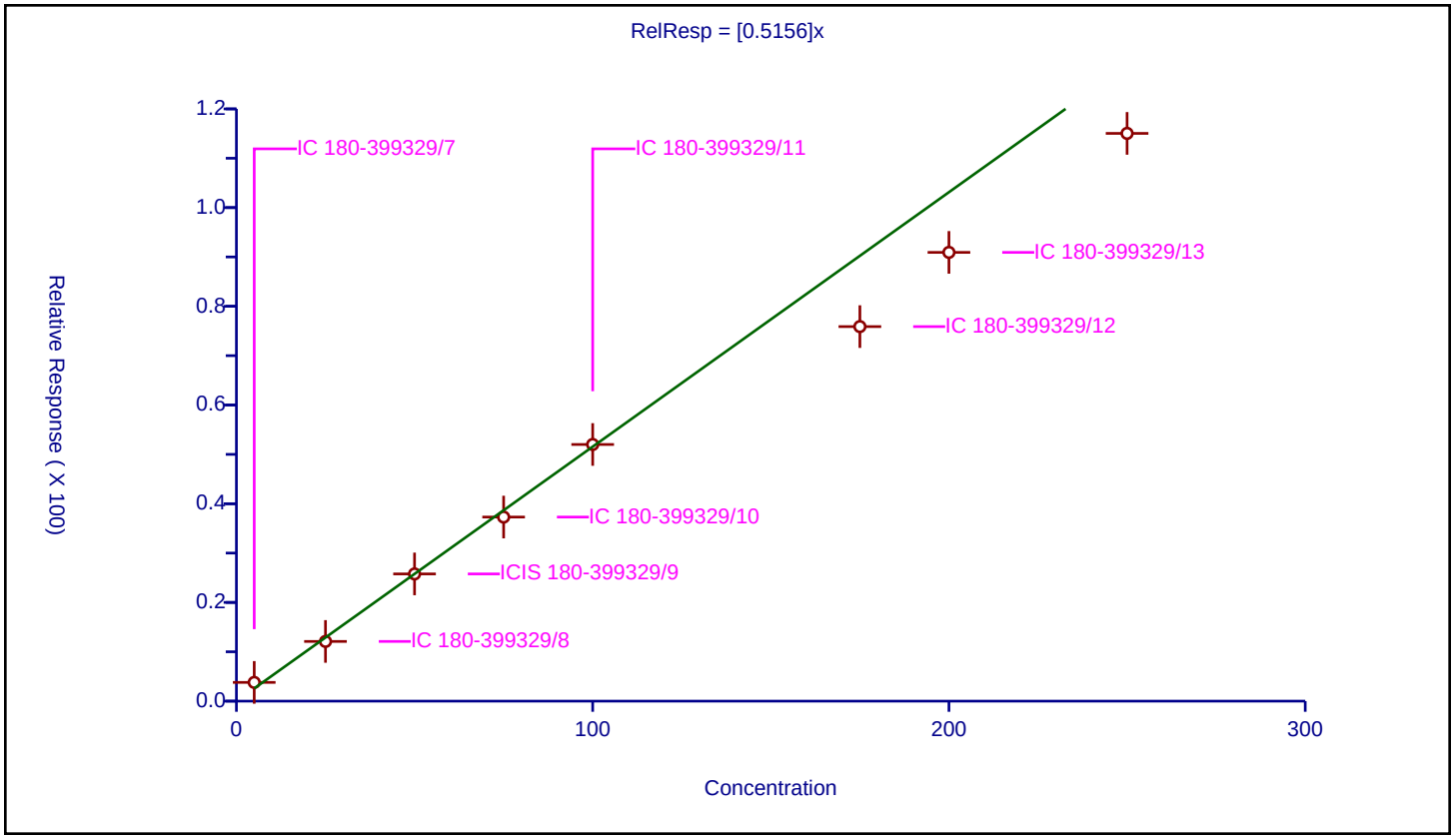
Curve Coefficients

Intercept:	0
Slope:	0.5156

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	20.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.798411	50.0	2117346.0	0.759682	Y
2	IC 180-399329/8	25.0	12.095842	50.0	2074498.0	0.483834	Y
3	ICIS 180-399329/9	50.0	25.774867	50.0	2002699.0	0.515497	Y
4	IC 180-399329/10	75.0	37.295489	50.0	1931739.0	0.497273	Y
5	IC 180-399329/11	100.0	52.003577	50.0	1984076.0	0.520036	Y
6	IC 180-399329/12	175.0	75.8896	50.0	2232520.0	0.433655	Y
7	IC 180-399329/13	200.0	90.925189	50.0	2114573.0	0.454626	Y
8	IC 180-399329/14	250.0	115.03646	50.0	2264243.0	0.460146	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

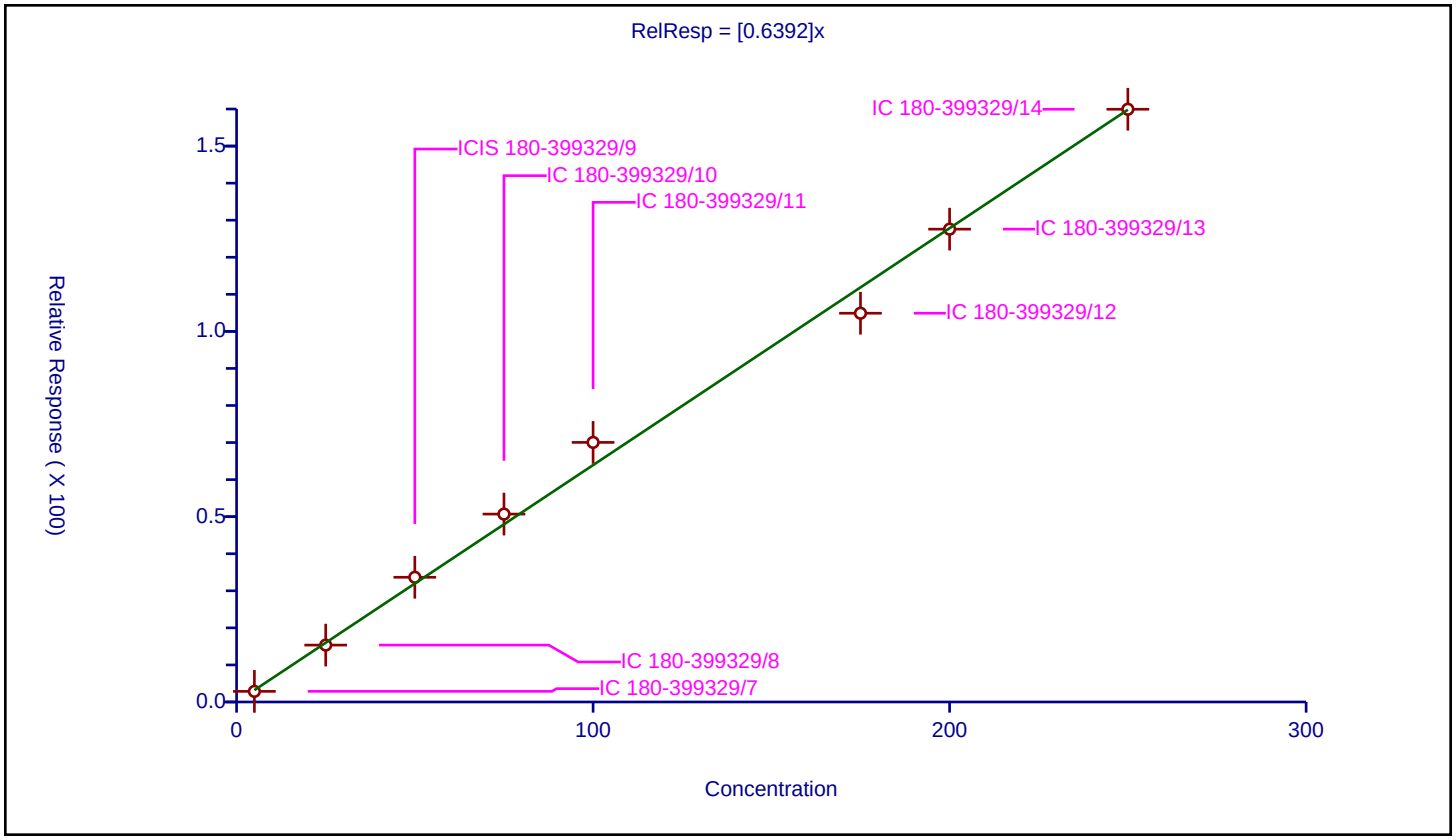
Curve Coefficients

Intercept:	0
Slope:	0.6392

Error Coefficients

Standard Error:	4090000
Relative Standard Error:	6.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.866206	50.0	2117346.0	0.573241	Y
2	IC 180-399329/8	25.0	15.350774	50.0	2074498.0	0.614031	Y
3	ICIS 180-399329/9	50.0	33.650414	50.0	2002699.0	0.673008	Y
4	IC 180-399329/10	75.0	50.70012	50.0	1931739.0	0.676002	Y
5	IC 180-399329/11	100.0	70.041218	50.0	1984076.0	0.700412	Y
6	IC 180-399329/12	175.0	104.896753	50.0	2232520.0	0.59941	Y
7	IC 180-399329/13	200.0	127.585025	50.0	2114573.0	0.637925	Y
8	IC 180-399329/14	250.0	159.937273	50.0	2264243.0	0.639749	Y



Calibration / Dibromofluoromethane (Surr)

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

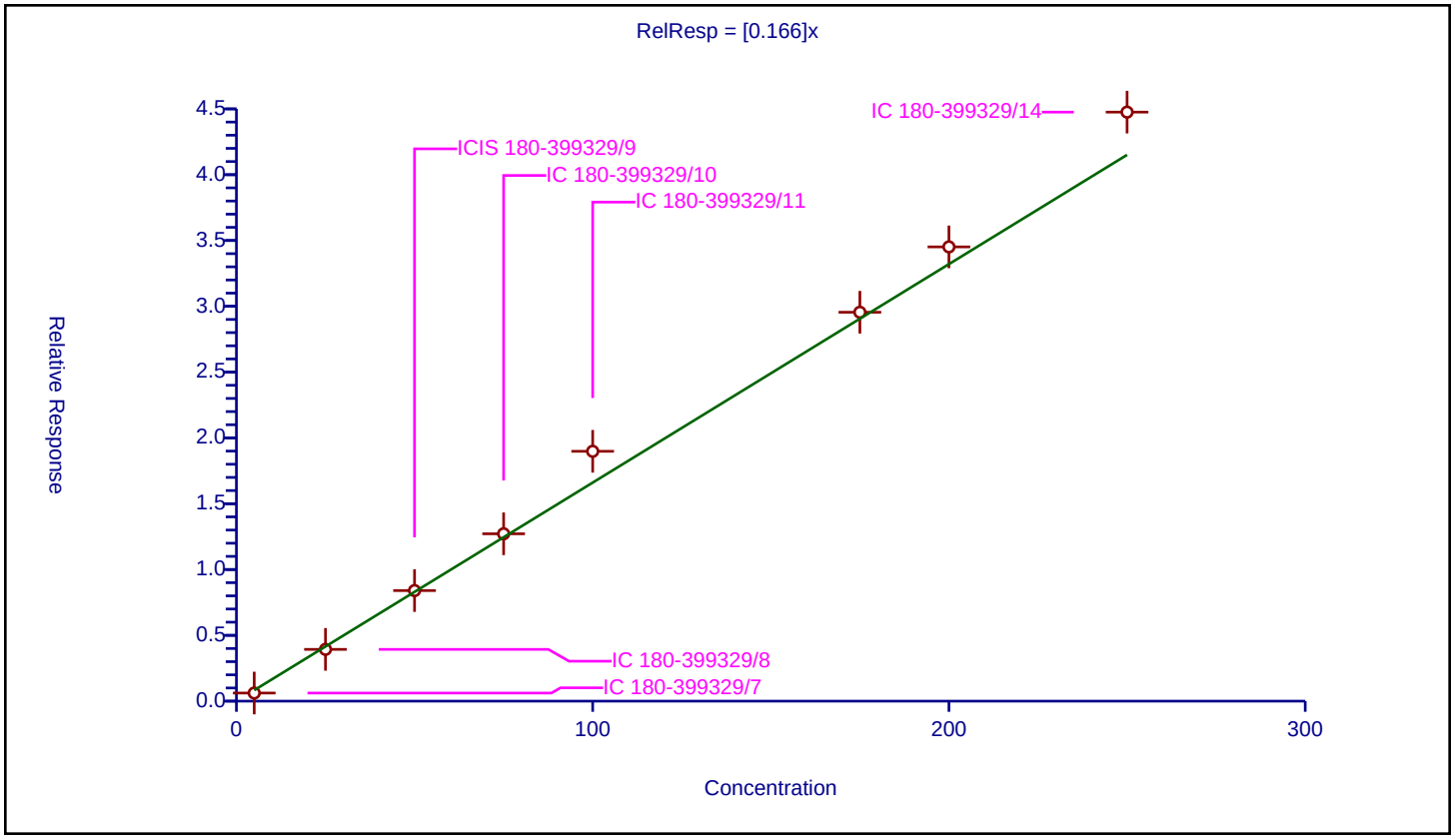
Curve Coefficients

Intercept:	0
Slope:	0.166

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	11.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.615228	50.0	2117346.0	0.123046	Y
2	IC 180-399329/8	25.0	3.933795	50.0	2074498.0	0.157352	Y
3	ICIS 180-399329/9	50.0	8.401063	50.0	2002699.0	0.168021	Y
4	IC 180-399329/10	75.0	12.715356	50.0	1931739.0	0.169538	Y
5	IC 180-399329/11	100.0	18.983723	50.0	1984076.0	0.189837	Y
6	IC 180-399329/12	175.0	29.54838	50.0	2232520.0	0.168848	Y
7	IC 180-399329/13	200.0	34.516117	50.0	2114573.0	0.172581	Y
8	IC 180-399329/14	250.0	44.755179	50.0	2264243.0	0.179021	Y



Calibration / Cyclohexane

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

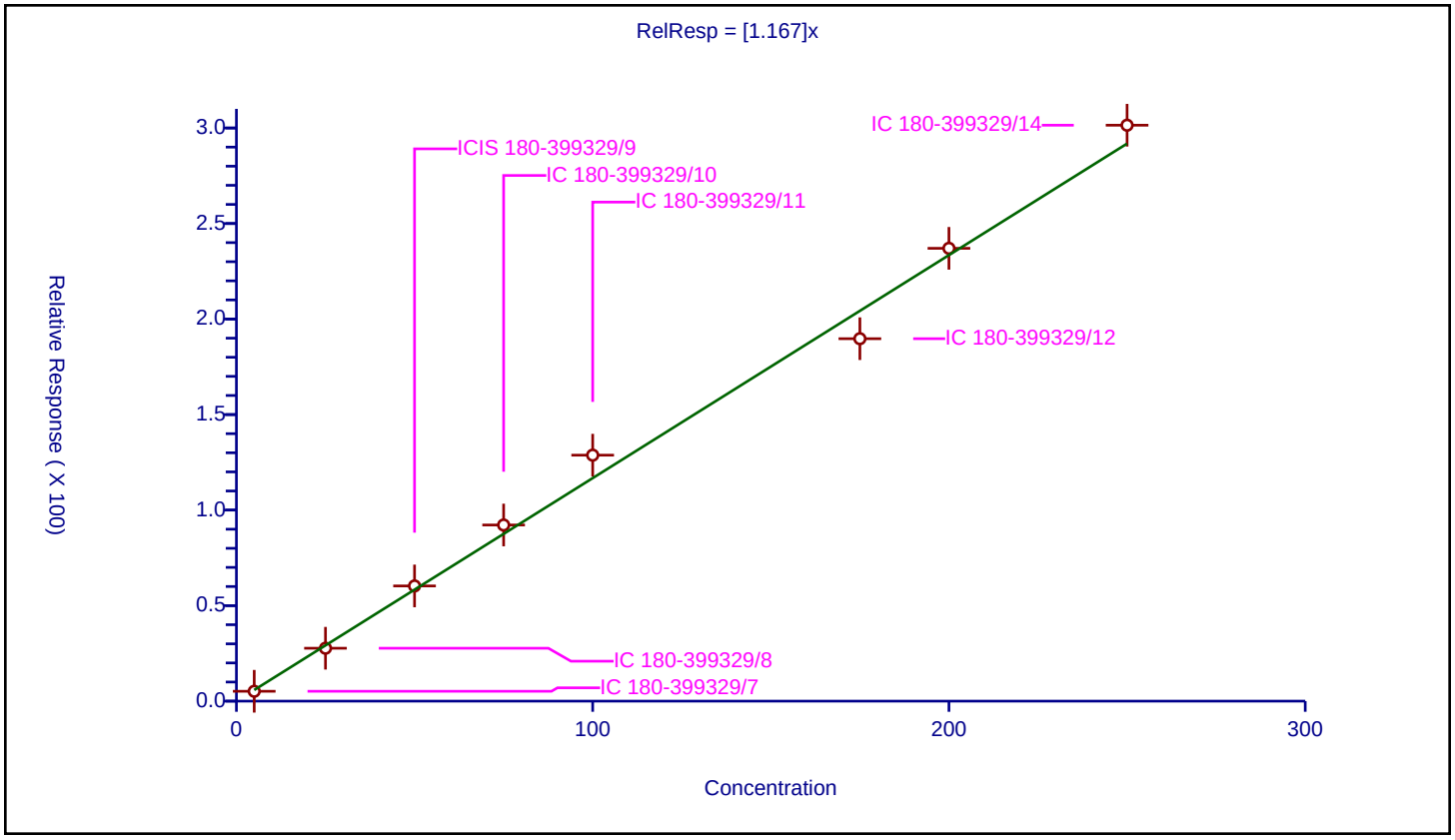
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Standard Error:	7600000
Relative Standard Error:	7.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	5.16472	50.0	2117346.0	1.032944	Y
2	IC 180-399329/8	25.0	27.687783	50.0	2074498.0	1.107511	Y
3	ICIS 180-399329/9	50.0	60.306441	50.0	2002699.0	1.206129	Y
4	IC 180-399329/10	75.0	92.199024	50.0	1931739.0	1.22932	Y
5	IC 180-399329/11	100.0	128.758299	50.0	1984076.0	1.287583	Y
6	IC 180-399329/12	175.0	189.710842	50.0	2232520.0	1.084062	Y
7	IC 180-399329/13	200.0	237.0192	50.0	2114573.0	1.185096	Y
8	IC 180-399329/14	250.0	301.449668	50.0	2264243.0	1.205799	Y



Calibration / Carbon tetrachloride

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

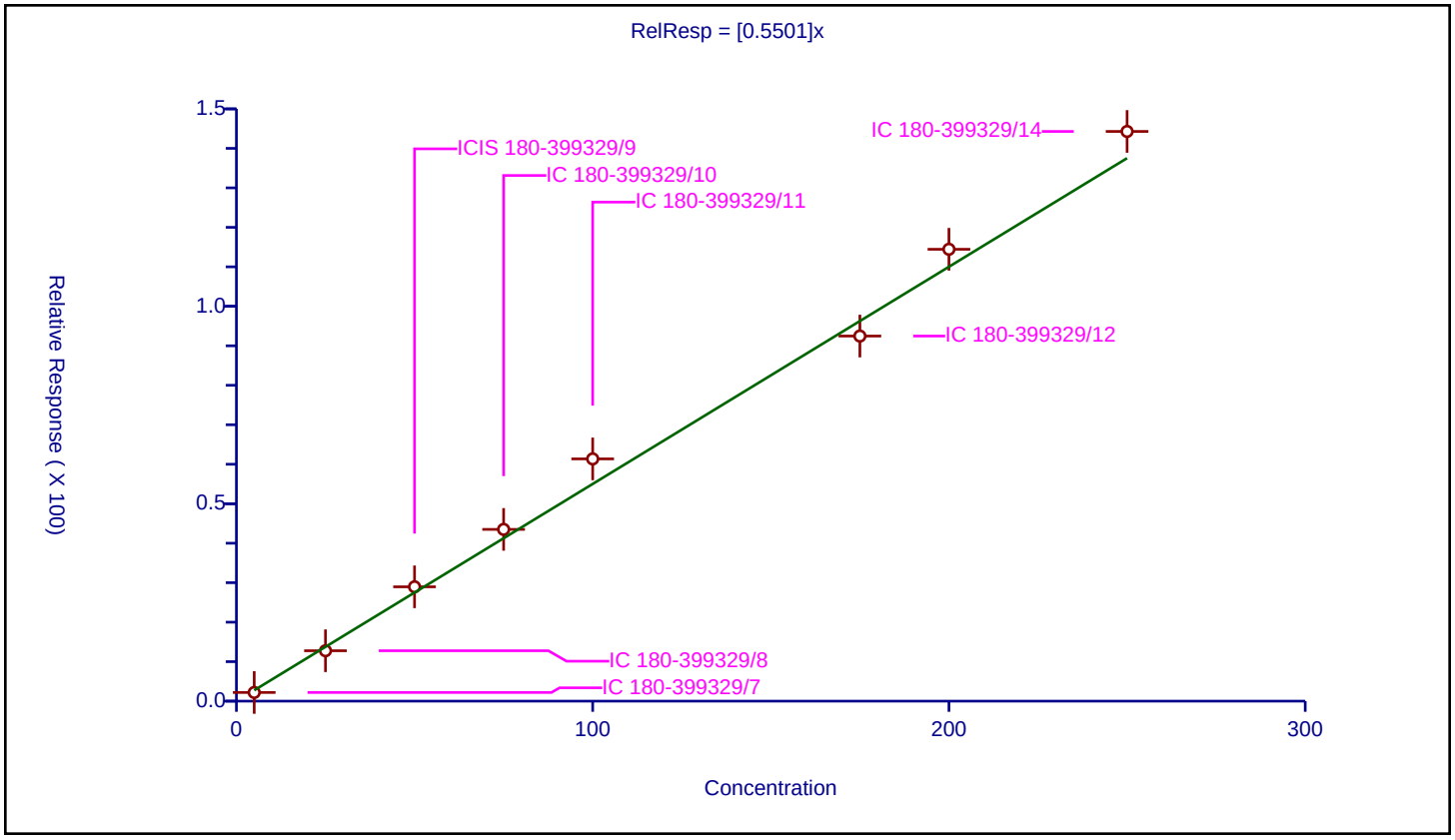
Curve Coefficients

Intercept:	0
Slope:	0.5501

Error Coefficients

Standard Error:	3660000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.198436	50.0	2117346.0	0.439687	Y
2	IC 180-399329/8	25.0	12.763642	50.0	2074498.0	0.510546	Y
3	ICIS 180-399329/9	50.0	28.953278	50.0	2002699.0	0.579066	Y
4	IC 180-399329/10	75.0	43.496533	50.0	1931739.0	0.579954	Y
5	IC 180-399329/11	100.0	61.353547	50.0	1984076.0	0.613535	Y
6	IC 180-399329/12	175.0	92.462867	50.0	2232520.0	0.528359	Y
7	IC 180-399329/13	200.0	114.442703	50.0	2114573.0	0.572214	Y
8	IC 180-399329/14	250.0	144.284116	50.0	2264243.0	0.577136	Y



Calibration / 1,1-Dichloropropene

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

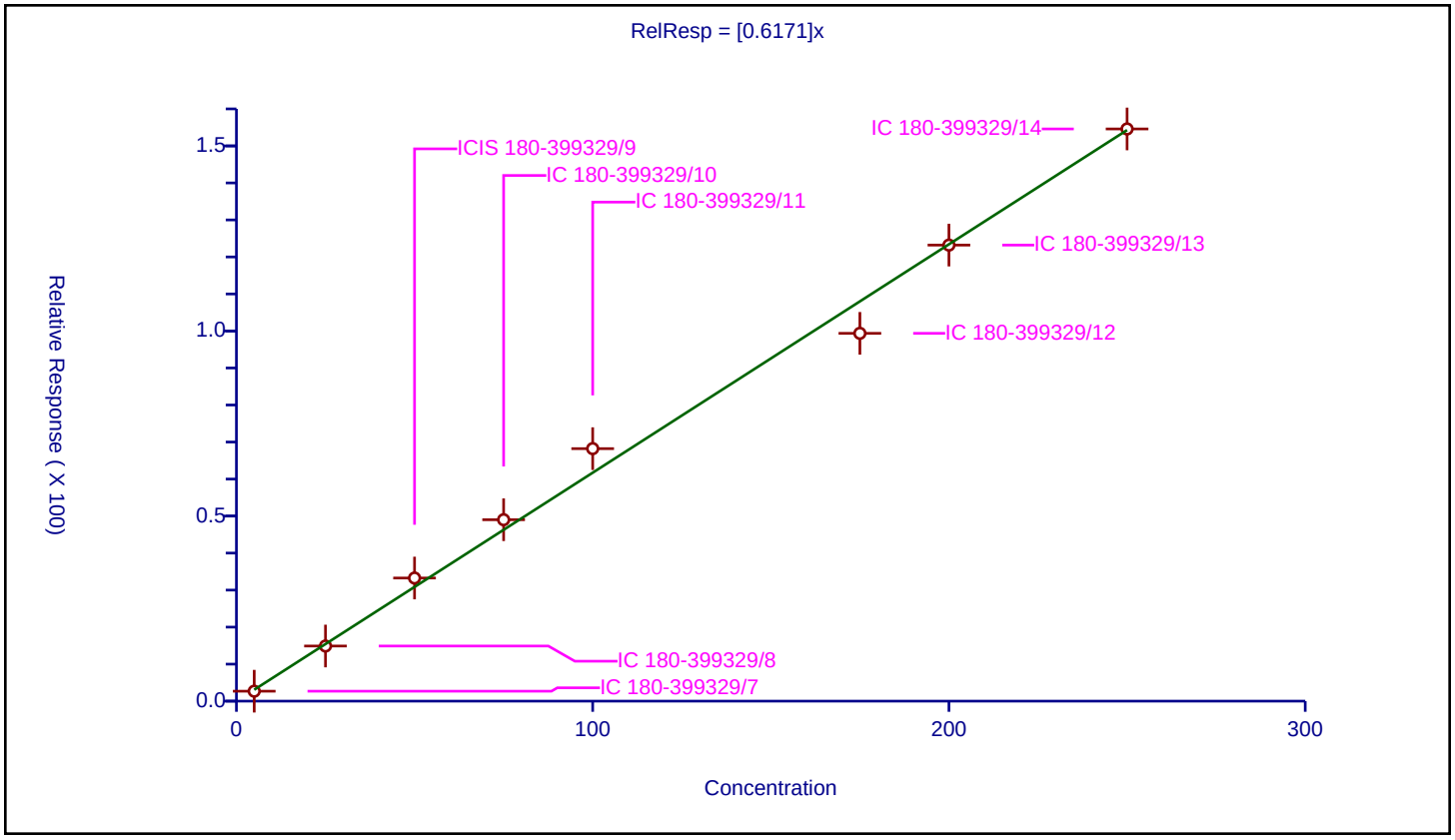
Curve Coefficients

Intercept:	0
Slope:	0.6171

Error Coefficients

Standard Error:	3940000
Relative Standard Error:	8.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.690585	50.0	2117346.0	0.538117	Y
2	IC 180-399329/8	25.0	14.891217	50.0	2074498.0	0.595649	Y
3	ICIS 180-399329/9	50.0	33.26044	50.0	2002699.0	0.665209	Y
4	IC 180-399329/10	75.0	49.014178	50.0	1931739.0	0.653522	Y
5	IC 180-399329/11	100.0	68.217095	50.0	1984076.0	0.682171	Y
6	IC 180-399329/12	175.0	99.364328	50.0	2232520.0	0.567796	Y
7	IC 180-399329/13	200.0	123.200594	50.0	2114573.0	0.616003	Y
8	IC 180-399329/14	250.0	154.584247	50.0	2264243.0	0.618337	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

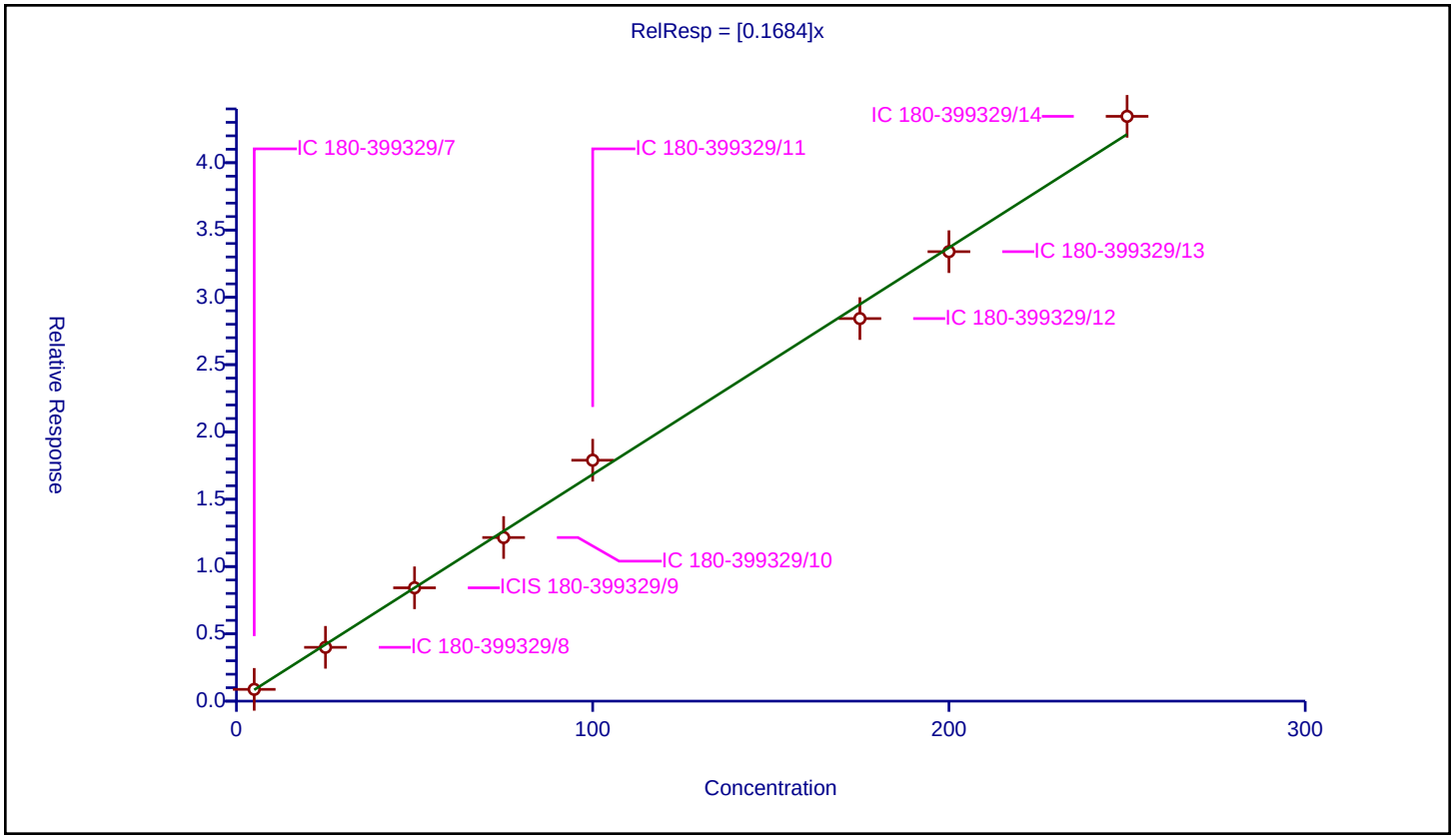
Curve Coefficients

Intercept:	0
Slope:	0.1684

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	4.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.874774	50.0	2117346.0	0.174955	Y
2	IC 180-399329/8	25.0	3.998413	50.0	2074498.0	0.159937	Y
3	ICIS 180-399329/9	50.0	8.421335	50.0	2002699.0	0.168427	Y
4	IC 180-399329/10	75.0	12.15555	50.0	1931739.0	0.162074	Y
5	IC 180-399329/11	100.0	17.899239	50.0	1984076.0	0.178992	Y
6	IC 180-399329/12	175.0	28.424068	50.0	2232520.0	0.162423	Y
7	IC 180-399329/13	200.0	33.393598	50.0	2114573.0	0.166968	Y
8	IC 180-399329/14	250.0	43.446618	50.0	2264243.0	0.173786	Y



Calibration / Benzene

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

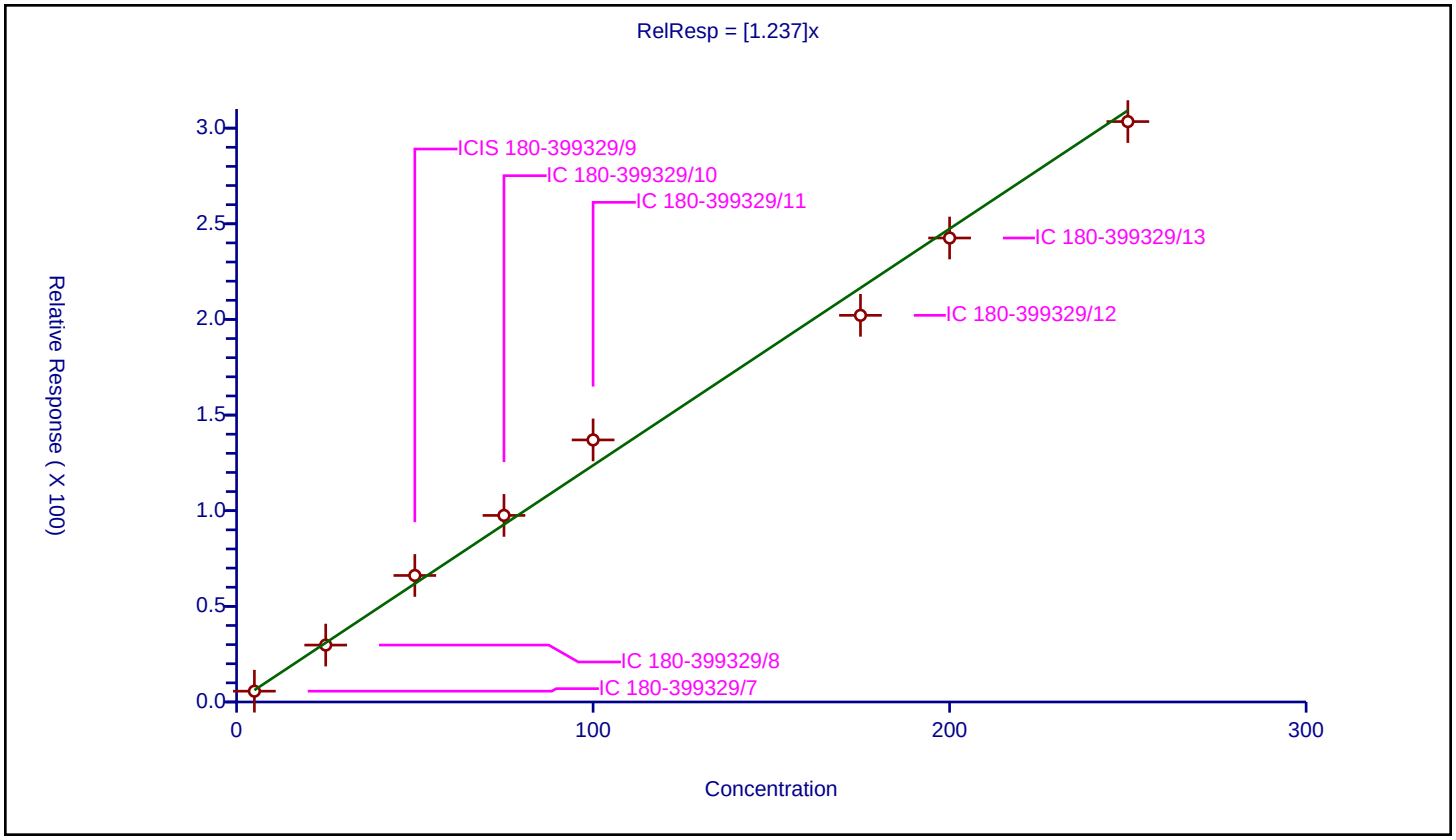
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Standard Error:	7820000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	5.651816	50.0	2117346.0	1.130363	Y
2	IC 180-399329/8	25.0	29.762044	50.0	2074498.0	1.190482	Y
3	ICIS 180-399329/9	50.0	66.147559	50.0	2002699.0	1.322951	Y
4	IC 180-399329/10	75.0	97.532508	50.0	1931739.0	1.300433	Y
5	IC 180-399329/11	100.0	137.008159	50.0	1984076.0	1.370082	Y
6	IC 180-399329/12	175.0	202.144908	50.0	2232520.0	1.155114	Y
7	IC 180-399329/13	200.0	242.572803	50.0	2114573.0	1.212864	Y
8	IC 180-399329/14	250.0	303.429336	50.0	2264243.0	1.213717	Y



Calibration / Isobutyl alcohol

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

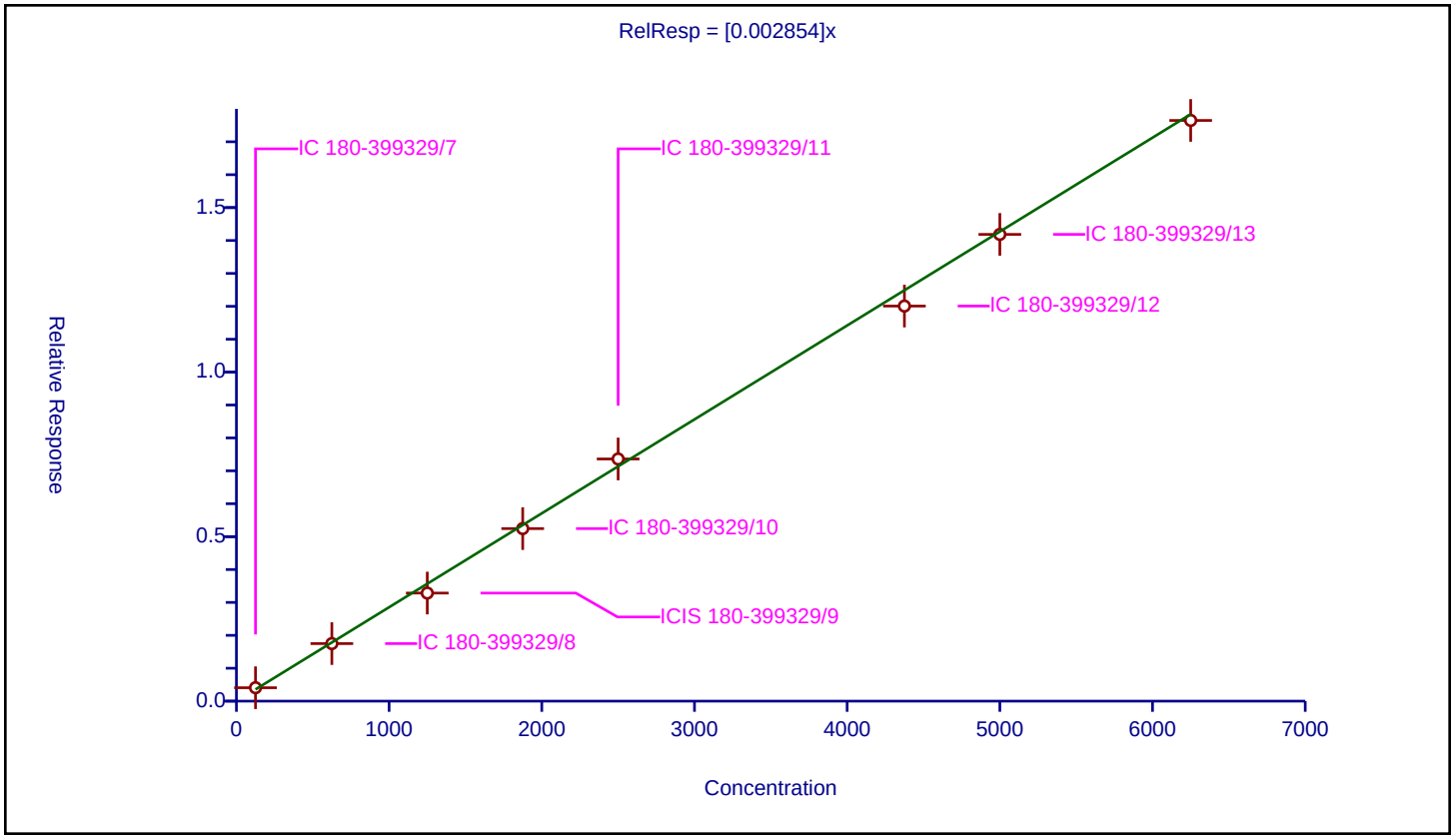
Curve Coefficients

Intercept:	0
Slope:	0.002854

Error Coefficients

Standard Error:	453000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	125.0	0.407657	50.0	2117346.0	0.003261	Y
2	IC 180-399329/8	625.0	1.74876	50.0	2074498.0	0.002798	Y
3	ICIS 180-399329/9	1250.0	3.284318	50.0	2002699.0	0.002627	Y
4	IC 180-399329/10	1875.0	5.244446	50.0	1931739.0	0.002797	Y
5	IC 180-399329/11	2500.0	7.360454	50.0	1984076.0	0.002944	Y
6	IC 180-399329/12	4375.0	12.007126	50.0	2232520.0	0.002744	Y
7	IC 180-399329/13	5000.0	14.185677	50.0	2114573.0	0.002837	Y
8	IC 180-399329/14	6250.0	17.648724	50.0	2264243.0	0.002824	Y



Calibration / 1,2-Dichloroethane

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

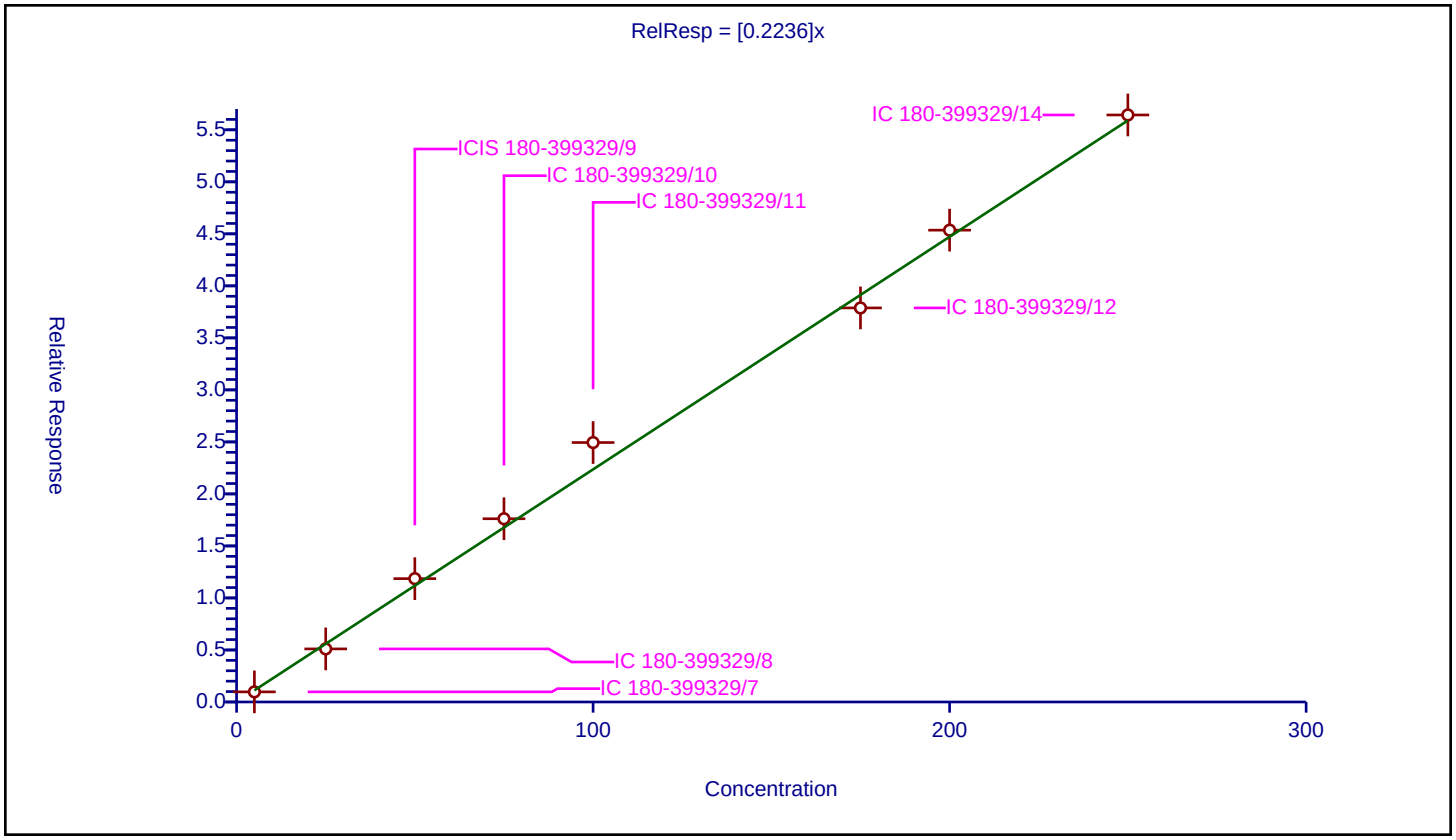
Curve Coefficients

Intercept:	0
Slope:	0.2236

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	8.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.971594	50.0	2117346.0	0.194319	Y
2	IC 180-399329/8	25.0	5.101475	50.0	2074498.0	0.204059	Y
3	ICIS 180-399329/9	50.0	11.857748	50.0	2002699.0	0.237155	Y
4	IC 180-399329/10	75.0	17.613145	50.0	1931739.0	0.234842	Y
5	IC 180-399329/11	100.0	24.940955	50.0	1984076.0	0.24941	Y
6	IC 180-399329/12	175.0	37.878653	50.0	2232520.0	0.216449	Y
7	IC 180-399329/13	200.0	45.355091	50.0	2114573.0	0.226775	Y
8	IC 180-399329/14	250.0	56.428948	50.0	2264243.0	0.225716	Y



Calibration / n-Heptane

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

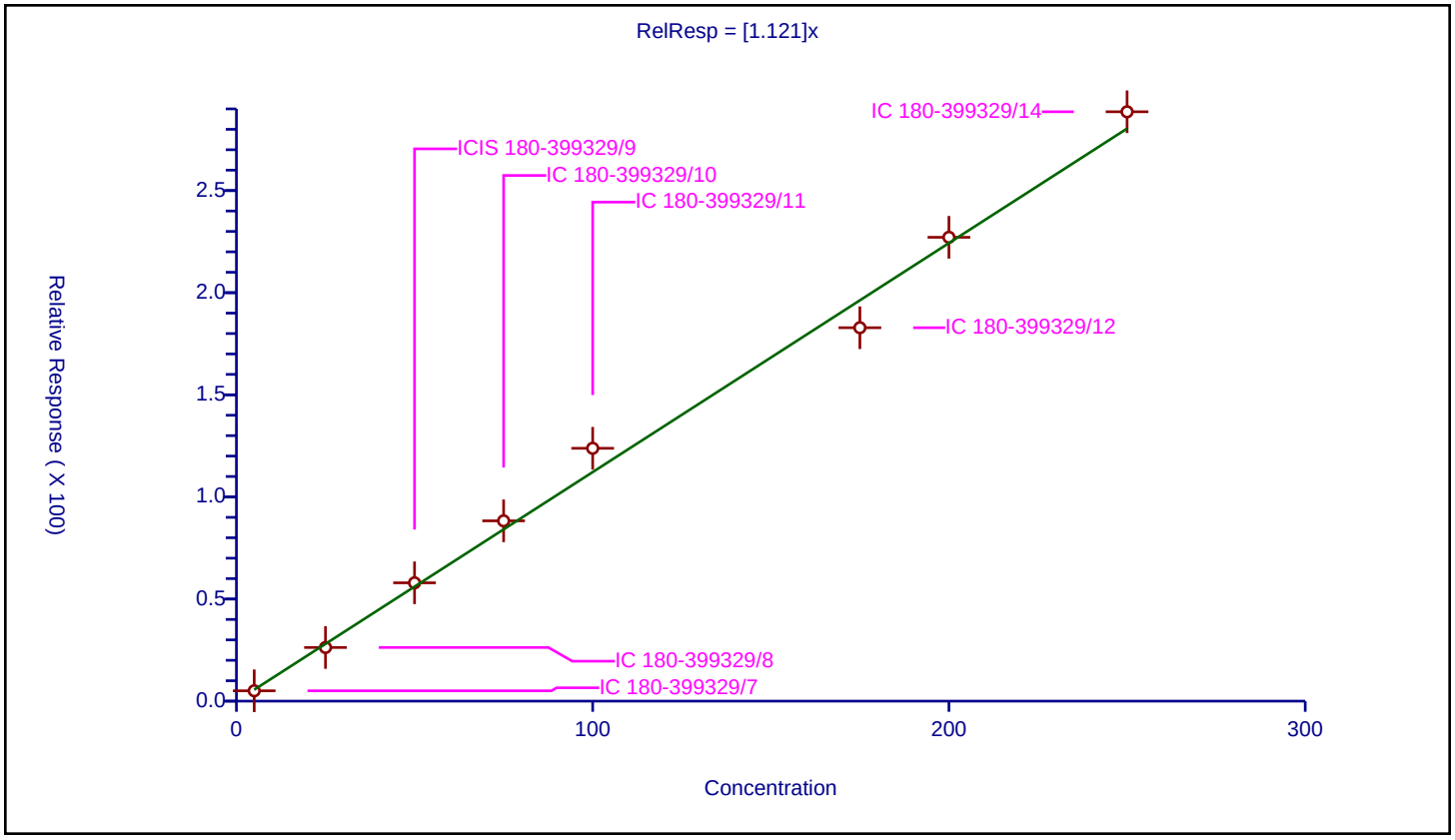
Curve Coefficients

Intercept:	0
Slope:	1.121

Error Coefficients

Standard Error:	7290000
Relative Standard Error:	6.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	5.060203	50.0	2117346.0	1.012041	Y
2	IC 180-399329/8	25.0	26.274453	50.0	2074498.0	1.050978	Y
3	ICIS 180-399329/9	50.0	57.932295	50.0	2002699.0	1.158646	Y
4	IC 180-399329/10	75.0	88.283614	50.0	1931739.0	1.177115	Y
5	IC 180-399329/11	100.0	123.811311	50.0	1984076.0	1.238113	Y
6	IC 180-399329/12	175.0	182.844185	50.0	2232520.0	1.044824	Y
7	IC 180-399329/13	200.0	227.125216	50.0	2114573.0	1.135626	Y
8	IC 180-399329/14	250.0	288.584971	50.0	2264243.0	1.15434	Y



Calibration / Trichloroethene

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

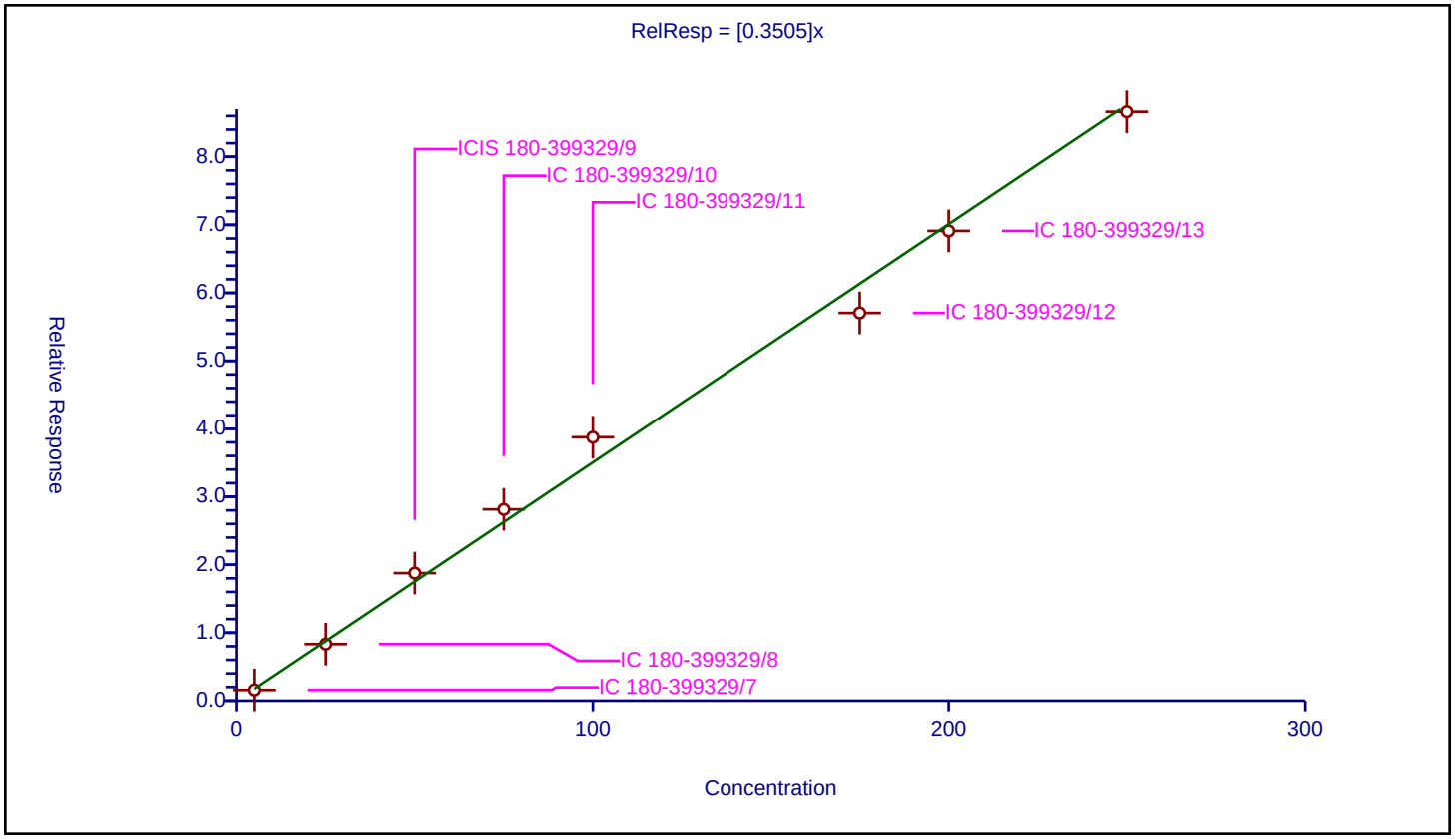
Curve Coefficients

Intercept:	0
Slope:	0.3505

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.576407	50.0	2117346.0	0.315281	Y
2	IC 180-399329/8	25.0	8.320736	50.0	2074498.0	0.332829	Y
3	ICIS 180-399329/9	50.0	18.765451	50.0	2002699.0	0.375309	Y
4	IC 180-399329/10	75.0	28.148135	50.0	1931739.0	0.375308	Y
5	IC 180-399329/11	100.0	38.761242	50.0	1984076.0	0.387612	Y
6	IC 180-399329/12	175.0	57.05333	50.0	2232520.0	0.326019	Y
7	IC 180-399329/13	200.0	69.113315	50.0	2114573.0	0.345567	Y
8	IC 180-399329/14	250.0	86.613274	50.0	2264243.0	0.346453	Y



Calibration / Methylcyclohexane

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

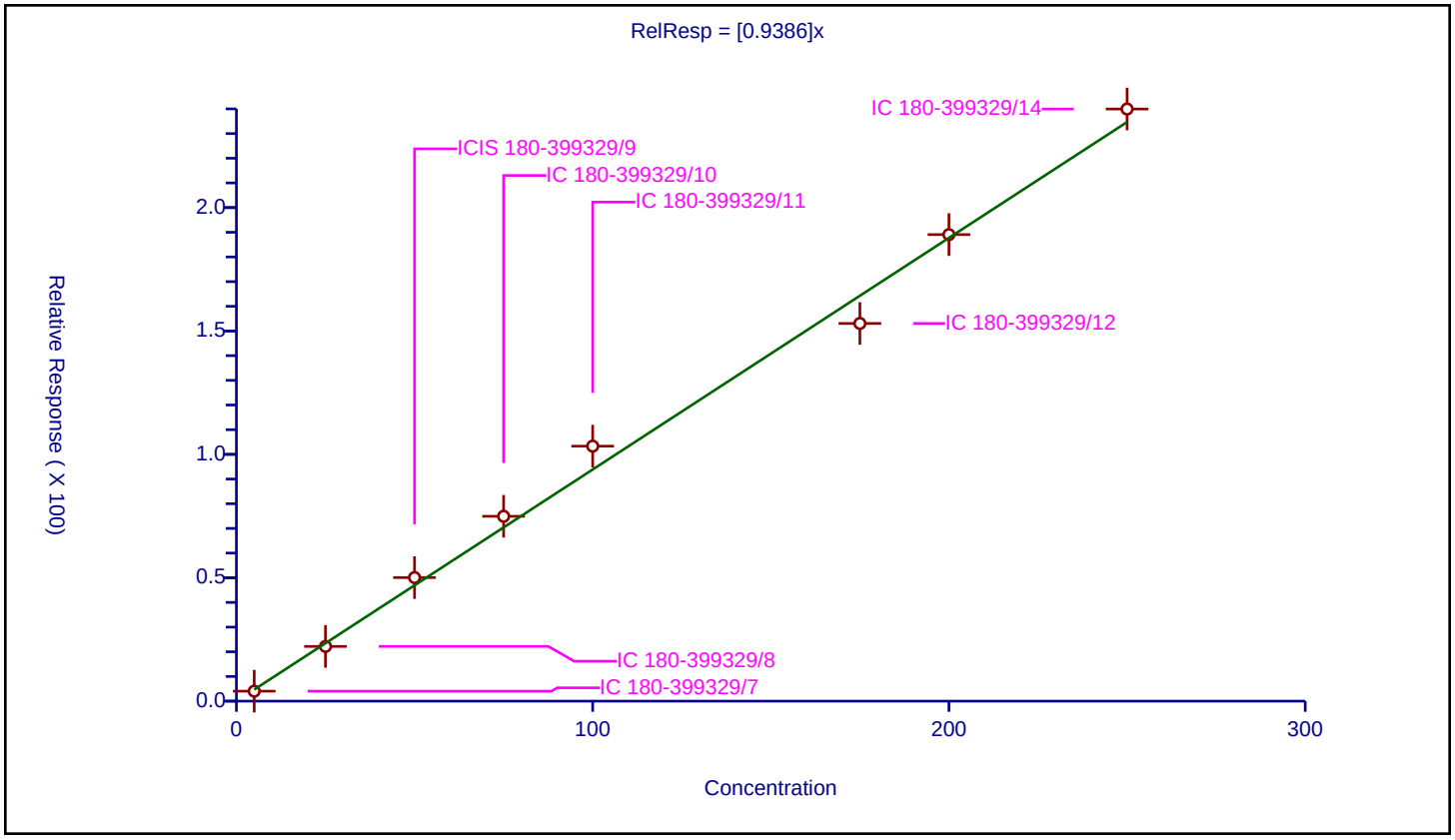
Curve Coefficients

Intercept:	0
Slope:	0.9386

Error Coefficients

Standard Error:	6080000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	4.045182	50.0	2117346.0	0.809036	Y
2	IC 180-399329/8	25.0	22.170713	50.0	2074498.0	0.886829	Y
3	ICIS 180-399329/9	50.0	50.077645	50.0	2002699.0	1.001553	Y
4	IC 180-399329/10	75.0	74.905823	50.0	1931739.0	0.998744	Y
5	IC 180-399329/11	100.0	103.332534	50.0	1984076.0	1.033325	Y
6	IC 180-399329/12	175.0	153.052179	50.0	2232520.0	0.874584	Y
7	IC 180-399329/13	200.0	189.056254	50.0	2114573.0	0.945281	Y
8	IC 180-399329/14	250.0	239.943571	50.0	2264243.0	0.959774	Y



Calibration / 1,2-Dichloropropane

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

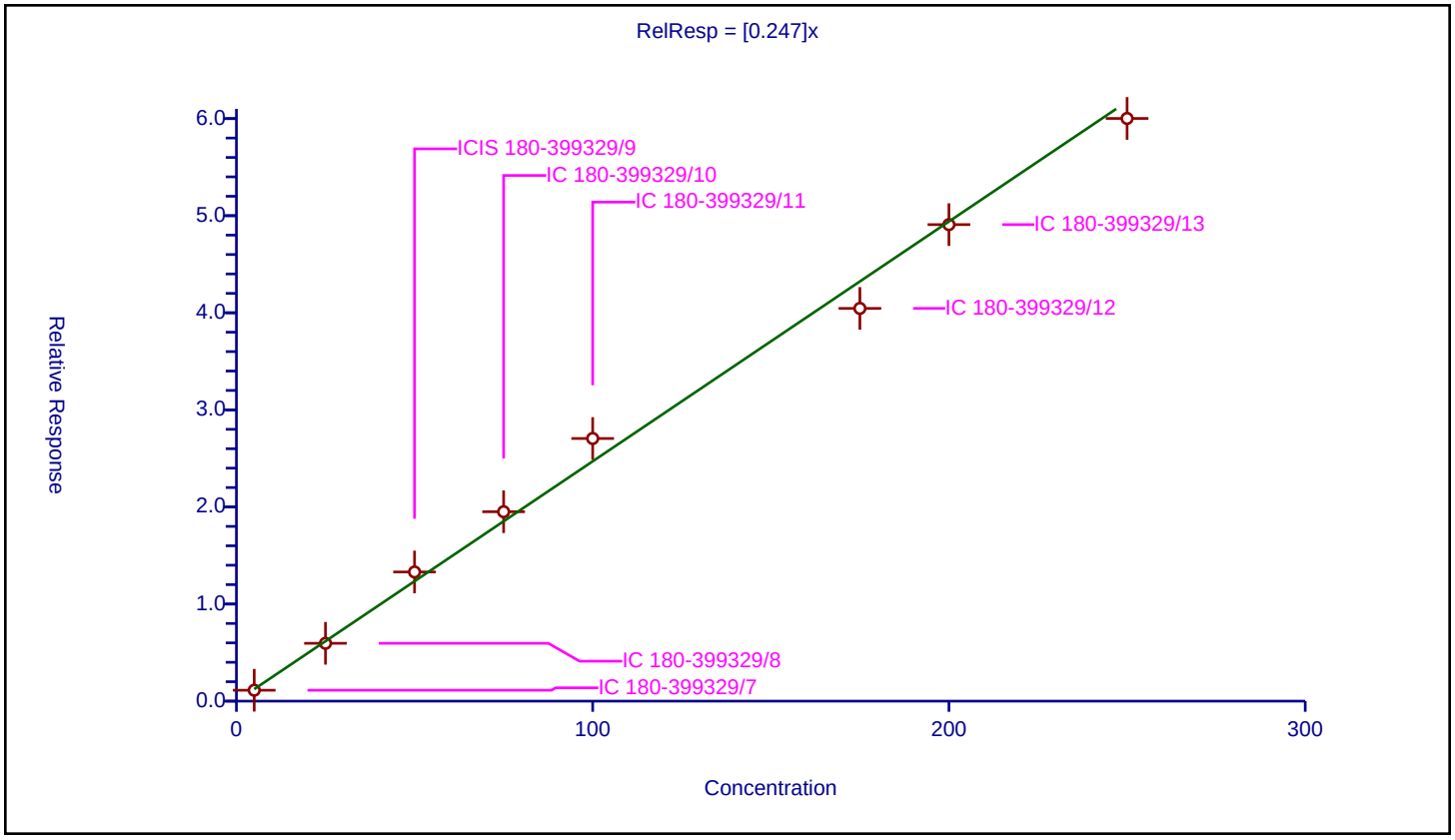
Curve Coefficients

Intercept:	0
Slope:	0.247

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.122254	50.0	2117346.0	0.224451	Y
2	IC 180-399329/8	25.0	5.957248	50.0	2074498.0	0.23829	Y
3	ICIS 180-399329/9	50.0	13.302998	50.0	2002699.0	0.26606	Y
4	IC 180-399329/10	75.0	19.5082	50.0	1931739.0	0.260109	Y
5	IC 180-399329/11	100.0	27.052442	50.0	1984076.0	0.270524	Y
6	IC 180-399329/12	175.0	40.44929	50.0	2232520.0	0.231139	Y
7	IC 180-399329/13	200.0	49.080689	50.0	2114573.0	0.245403	Y
8	IC 180-399329/14	250.0	60.015709	50.0	2264243.0	0.240063	Y



Calibration / Dibromomethane

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

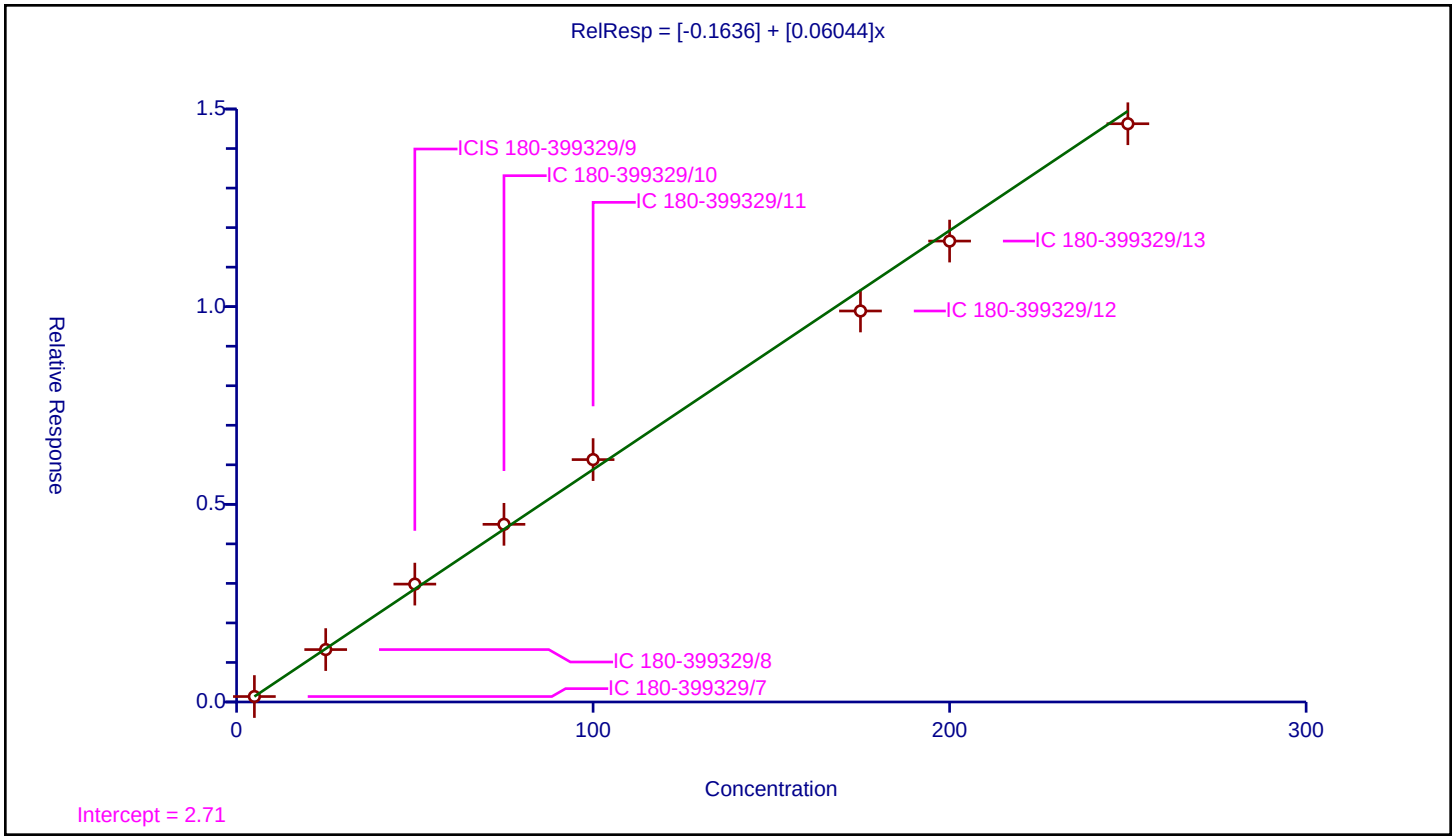
Curve Coefficients

Intercept:	-0.1636
Slope:	0.06044

Error Coefficients

Standard Error:	405000
Relative Standard Error:	3.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.13779	50.0	2117346.0	0.027558	Y
2	IC 180-399329/8	25.0	1.325767	50.0	2074498.0	0.053031	Y
3	ICIS 180-399329/9	50.0	2.981876	50.0	2002699.0	0.059638	Y
4	IC 180-399329/10	75.0	4.494448	50.0	1931739.0	0.059926	Y
5	IC 180-399329/11	100.0	6.131343	50.0	1984076.0	0.061313	Y
6	IC 180-399329/12	175.0	9.890729	50.0	2232520.0	0.056518	Y
7	IC 180-399329/13	200.0	11.659683	50.0	2114573.0	0.058298	Y
8	IC 180-399329/14	250.0	14.627383	50.0	2264243.0	0.05851	Y



Calibration / 1,4-Dioxane

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

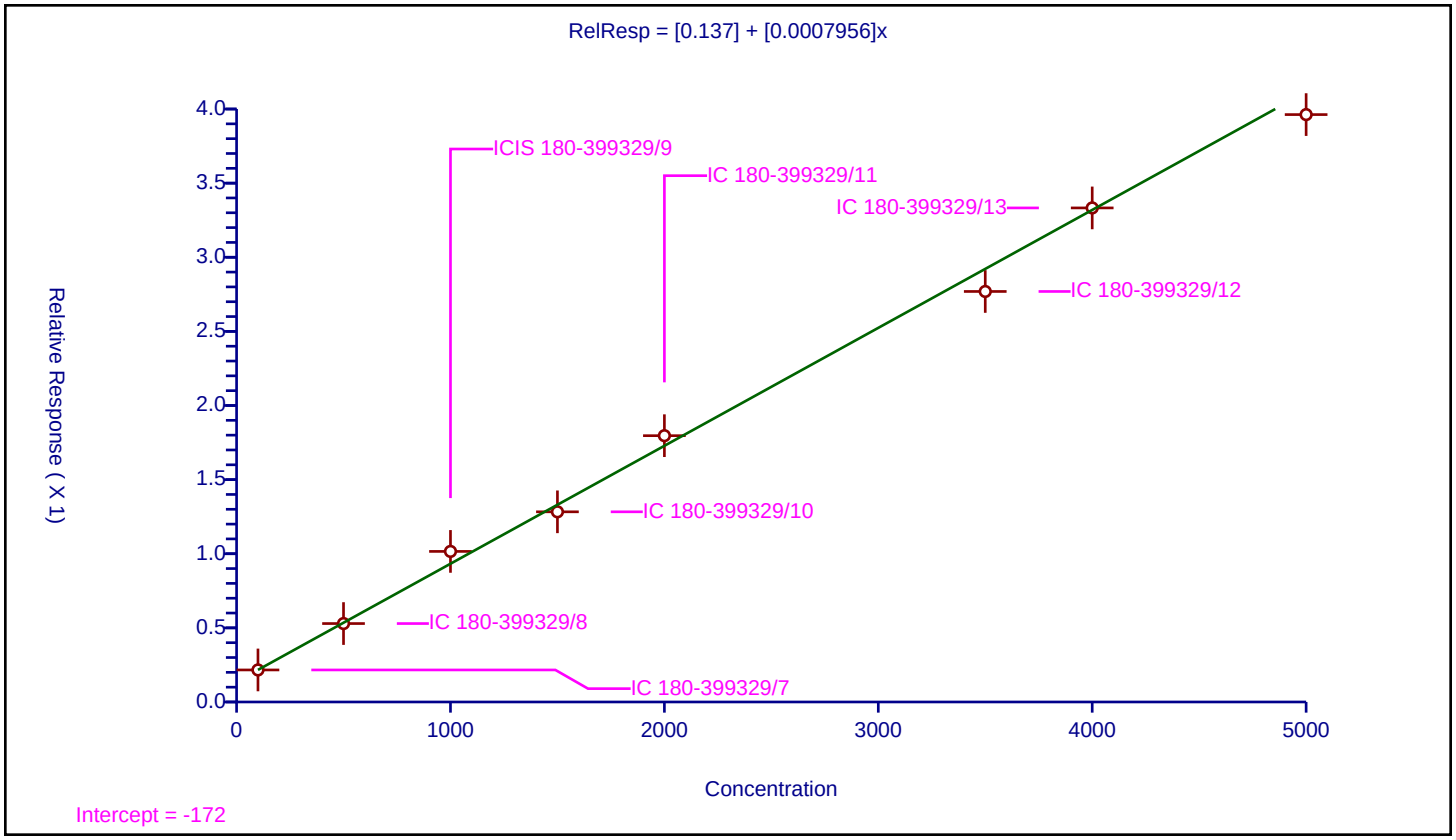
Curve Coefficients

Intercept:	0.137
Slope:	0.0007956

Error Coefficients

Standard Error:	113000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	100.0	0.216167	50.0	2117346.0	0.002162	Y
2	IC 180-399329/8	500.0	0.529212	50.0	2074498.0	0.001058	Y
3	ICIS 180-399329/9	1000.0	1.015704	50.0	2002699.0	0.001016	Y
4	IC 180-399329/10	1500.0	1.282808	50.0	1931739.0	0.000855	Y
5	IC 180-399329/11	2000.0	1.796453	50.0	1984076.0	0.000898	Y
6	IC 180-399329/12	3500.0	2.769158	50.0	2232520.0	0.000791	Y
7	IC 180-399329/13	4000.0	3.332777	50.0	2114573.0	0.000833	Y
8	IC 180-399329/14	5000.0	3.962362	50.0	2264243.0	0.000792	Y



Calibration / Dichlorobromomethane

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

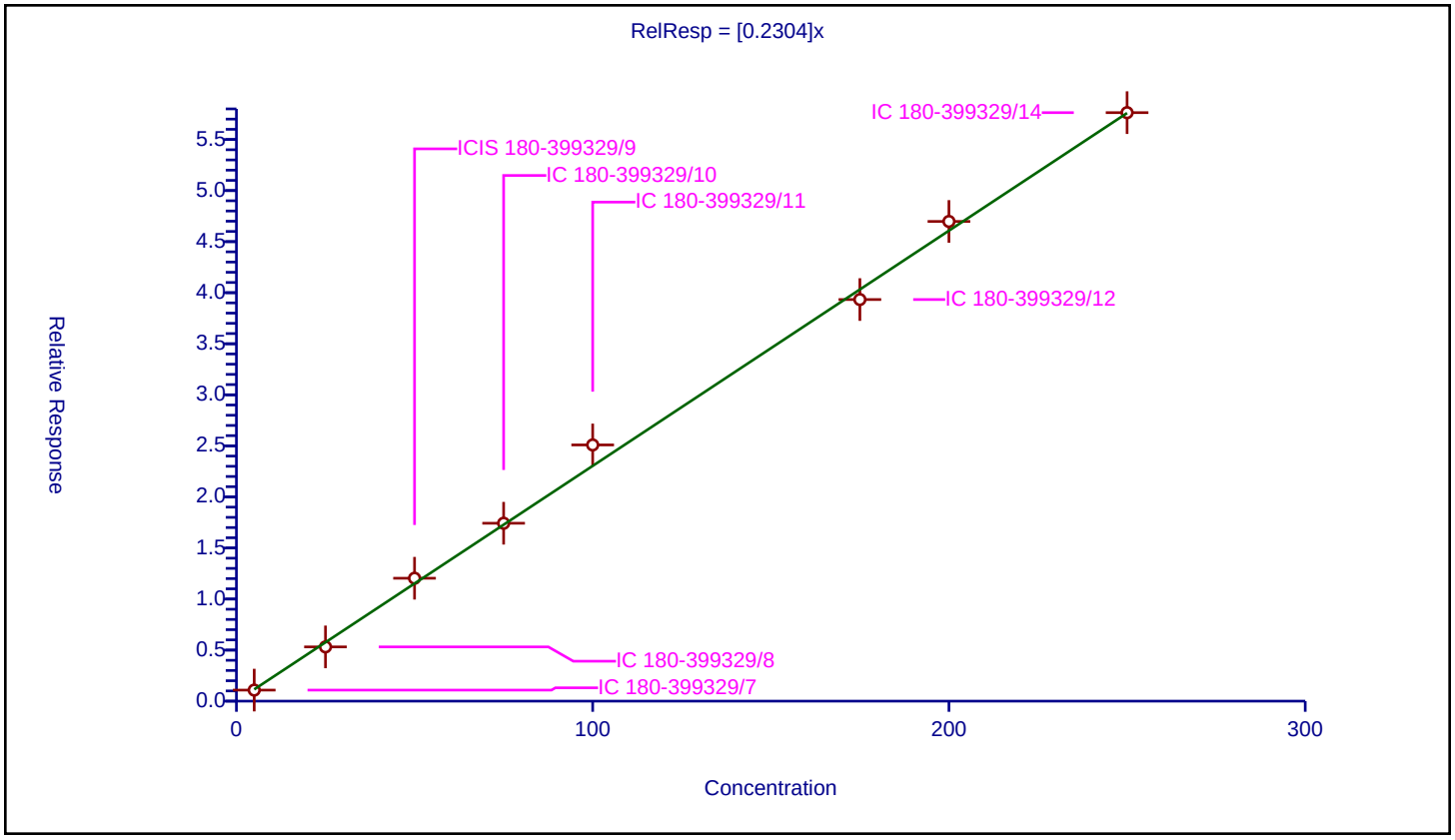
Curve Coefficients

Intercept:	0
Slope:	0.2304

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.08185	50.0	2117346.0	0.21637	Y
2	IC 180-399329/8	25.0	5.312972	50.0	2074498.0	0.212519	Y
3	ICIS 180-399329/9	50.0	12.036282	50.0	2002699.0	0.240726	Y
4	IC 180-399329/10	75.0	17.423161	50.0	1931739.0	0.232309	Y
5	IC 180-399329/11	100.0	25.090319	50.0	1984076.0	0.250903	Y
6	IC 180-399329/12	175.0	39.328517	50.0	2232520.0	0.224734	Y
7	IC 180-399329/13	200.0	46.976222	50.0	2114573.0	0.234881	Y
8	IC 180-399329/14	250.0	57.631778	50.0	2264243.0	0.230527	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

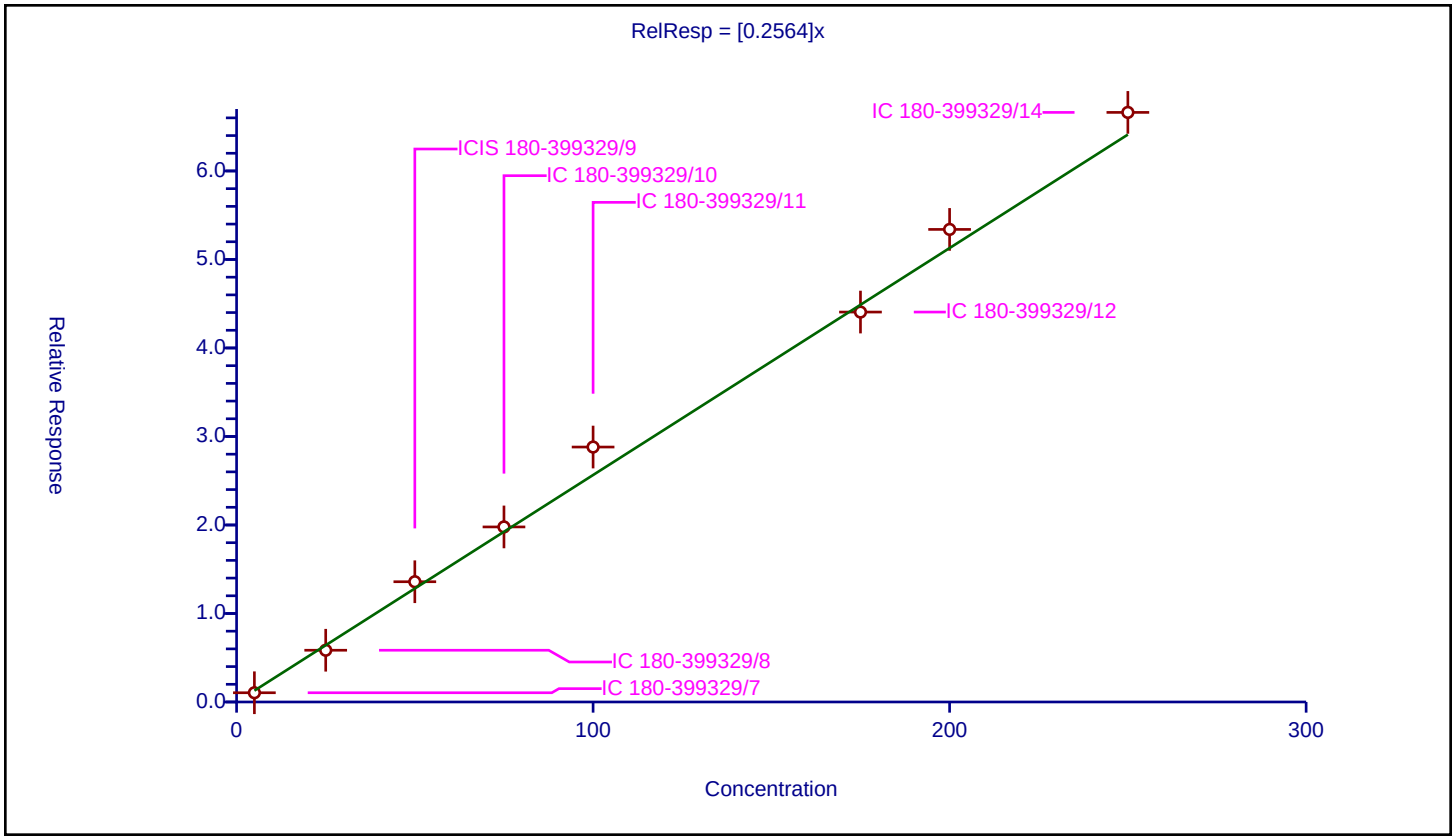
Curve Coefficients

Intercept:	0
Slope:	0.2564

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.04435	50.0	2117346.0	0.20887	Y
2	IC 180-399329/8	25.0	5.848234	50.0	2074498.0	0.233929	Y
3	ICIS 180-399329/9	50.0	13.587414	50.0	2002699.0	0.271748	Y
4	IC 180-399329/10	75.0	19.779975	50.0	1931739.0	0.263733	Y
5	IC 180-399329/11	100.0	28.807667	50.0	1984076.0	0.288077	Y
6	IC 180-399329/12	175.0	44.057881	50.0	2232520.0	0.251759	Y
7	IC 180-399329/13	200.0	53.395957	50.0	2114573.0	0.26698	Y
8	IC 180-399329/14	250.0	66.616966	50.0	2264243.0	0.266468	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

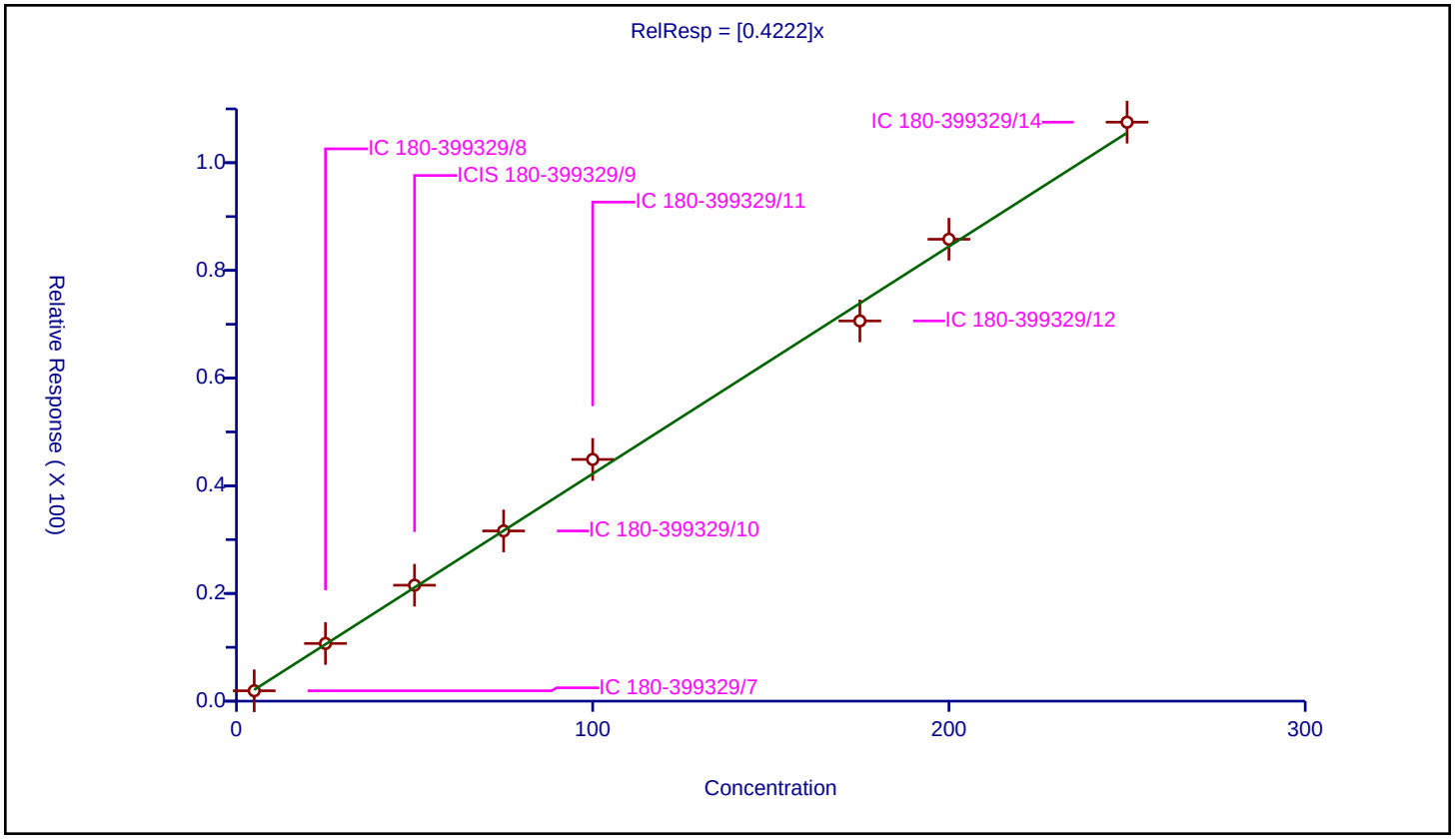
Curve Coefficients

Intercept:	0
Slope:	0.4222

Error Coefficients

Standard Error:	482000
Relative Standard Error:	4.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.928353	50.0	344802.0	0.385671	Y
2	IC 180-399329/8	25.0	10.71044	50.0	358426.0	0.428418	Y
3	ICIS 180-399329/9	50.0	21.532728	50.0	349612.0	0.430655	Y
4	IC 180-399329/10	75.0	31.614512	50.0	342153.0	0.421527	Y
5	IC 180-399329/11	100.0	44.894133	50.0	359224.0	0.448941	Y
6	IC 180-399329/12	175.0	70.616792	50.0	396941.0	0.403525	Y
7	IC 180-399329/13	200.0	85.7903	50.0	370138.0	0.428951	Y
8	IC 180-399329/14	250.0	107.530789	50.0	397787.0	0.430123	Y



Calibration / Toluene-d8 (Surr)

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

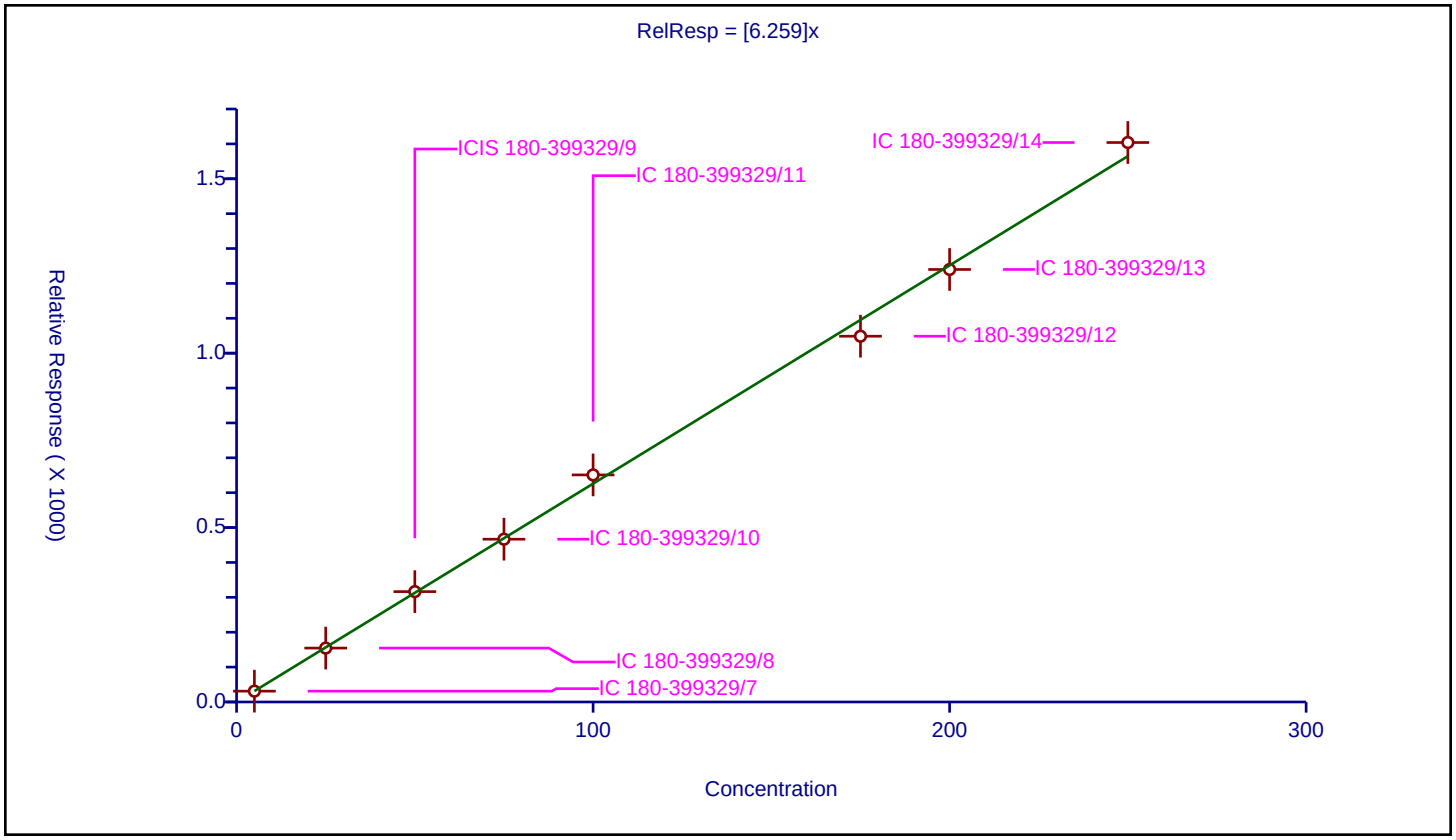
Curve Coefficients

Intercept:	0
Slope:	6.259

Error Coefficients

Standard Error:	7120000
Relative Standard Error:	2.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	31.109303	50.0	344802.0	6.221861	Y
2	IC 180-399329/8	25.0	154.52576	50.0	358426.0	6.18103	Y
3	ICIS 180-399329/9	50.0	316.397606	50.0	349612.0	6.327952	Y
4	IC 180-399329/10	75.0	466.712699	50.0	342153.0	6.222836	Y
5	IC 180-399329/11	100.0	651.042525	50.0	359224.0	6.510425	Y
6	IC 180-399329/12	175.0	1048.604956	50.0	396941.0	5.992028	Y
7	IC 180-399329/13	200.0	1240.011293	50.0	370138.0	6.200056	Y
8	IC 180-399329/14	250.0	1603.952366	50.0	397787.0	6.415809	Y



Calibration / Toluene

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

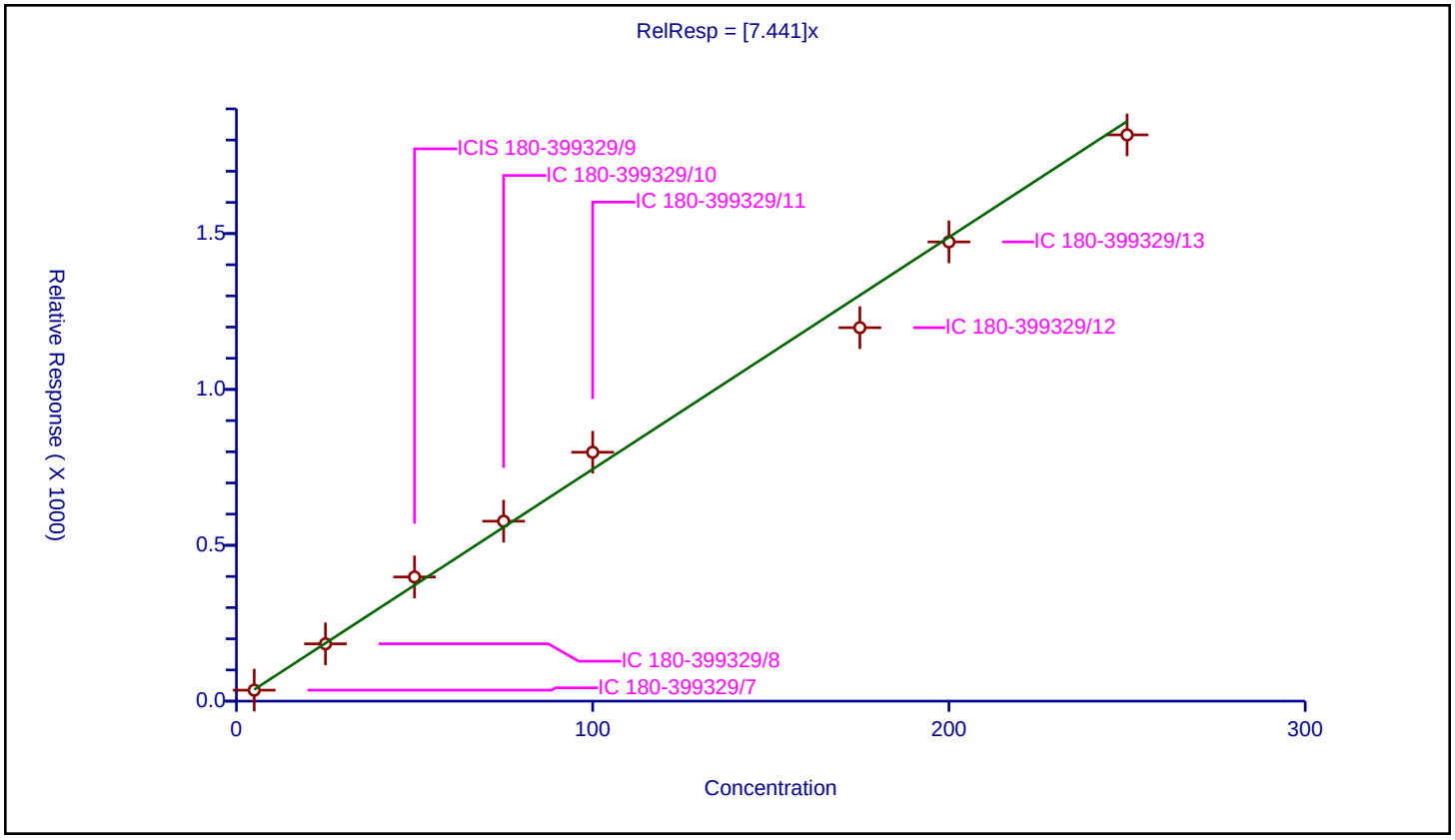
Curve Coefficients

Intercept:	0
Slope:	7.441

Error Coefficients

Standard Error:	8250000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	35.205132	50.0	344802.0	7.041026	Y
2	IC 180-399329/8	25.0	183.861522	50.0	358426.0	7.354461	Y
3	ICIS 180-399329/9	50.0	398.420106	50.0	349612.0	7.968402	Y
4	IC 180-399329/10	75.0	577.192659	50.0	342153.0	7.695902	Y
5	IC 180-399329/11	100.0	798.508034	50.0	359224.0	7.98508	Y
6	IC 180-399329/12	175.0	1198.128563	50.0	396941.0	6.846449	Y
7	IC 180-399329/13	200.0	1473.318195	50.0	370138.0	7.366591	Y
8	IC 180-399329/14	250.0	1816.587772	50.0	397787.0	7.266351	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

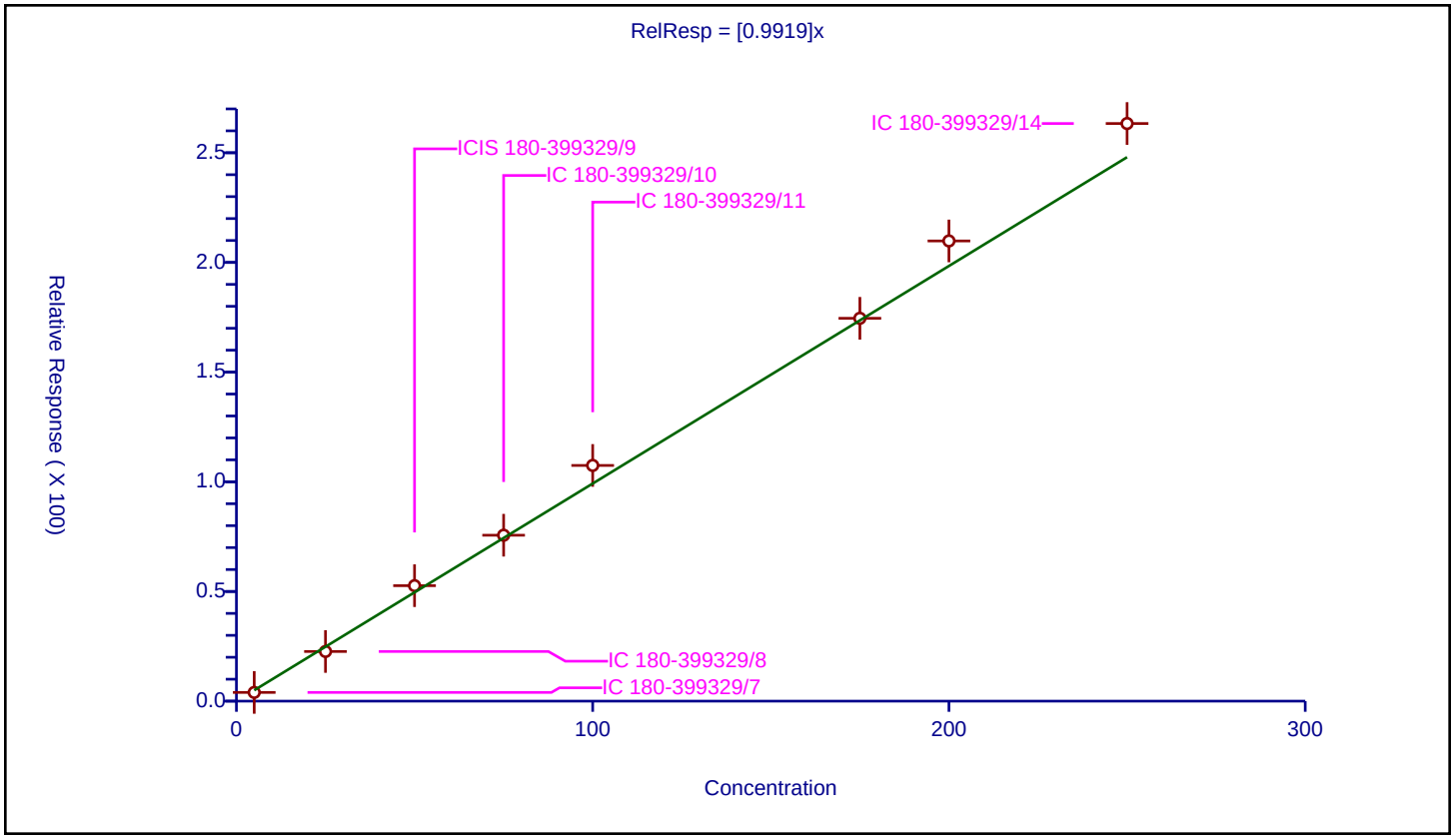
Curve Coefficients

Intercept:	0
Slope:	0.9919

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.97054	50.0	344802.0	0.794108	Y
2	IC 180-399329/8	25.0	22.642749	50.0	358426.0	0.90571	Y
3	ICIS 180-399329/9	50.0	52.639498	50.0	349612.0	1.05279	Y
4	IC 180-399329/10	75.0	75.640868	50.0	342153.0	1.008545	Y
5	IC 180-399329/11	100.0	107.454541	50.0	359224.0	1.074545	Y
6	IC 180-399329/12	175.0	174.542564	50.0	396941.0	0.997386	Y
7	IC 180-399329/13	200.0	209.803236	50.0	370138.0	1.049016	Y
8	IC 180-399329/14	250.0	263.329621	50.0	397787.0	1.053318	Y



Calibration / Ethyl methacrylate

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

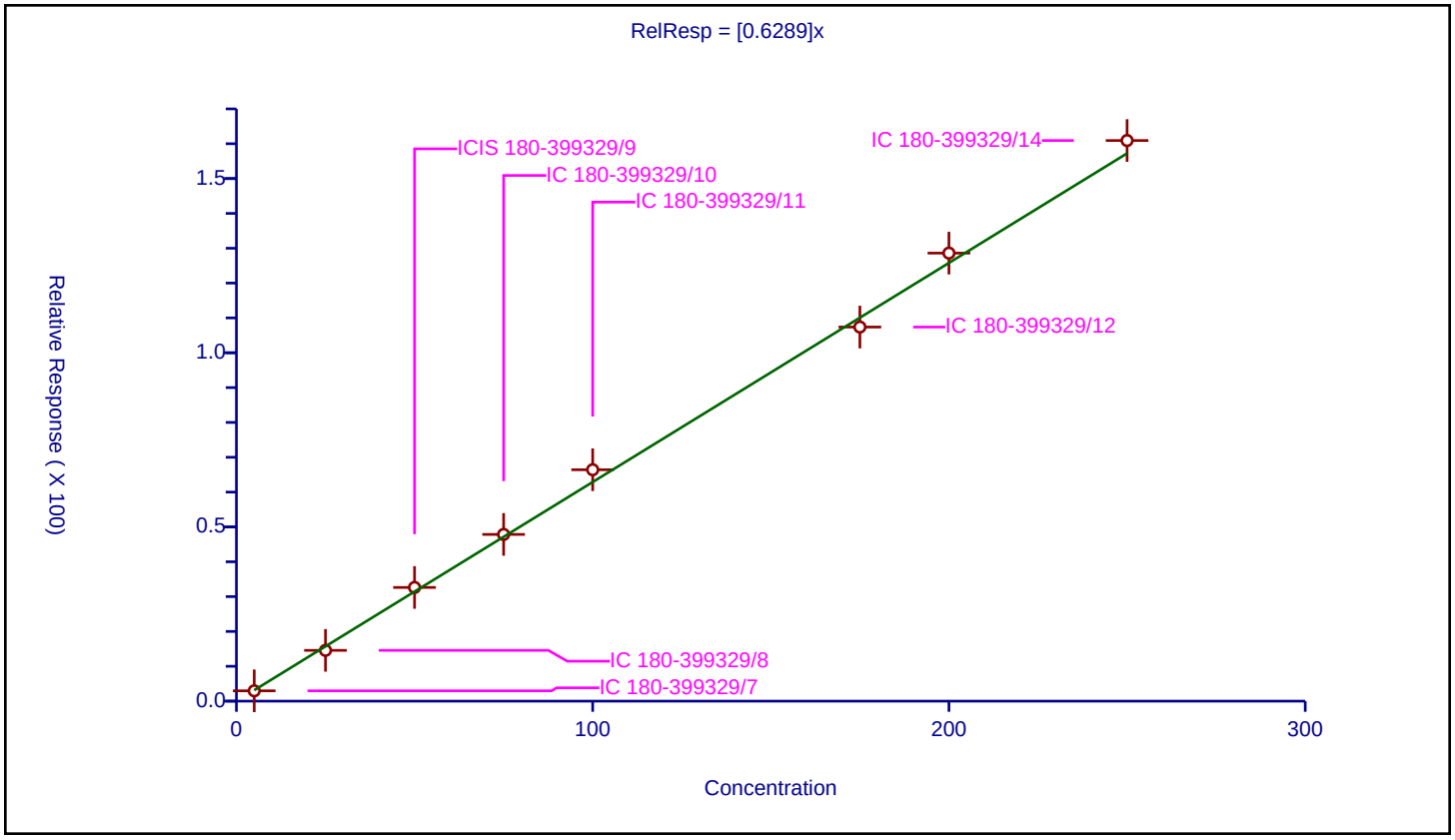
Curve Coefficients

Intercept:	0
Slope:	0.6289

Error Coefficients

Standard Error:	724000
Relative Standard Error:	4.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.96576	50.0	344802.0	0.593152	Y
2	IC 180-399329/8	25.0	14.573301	50.0	358426.0	0.582932	Y
3	ICIS 180-399329/9	50.0	32.636323	50.0	349612.0	0.652726	Y
4	IC 180-399329/10	75.0	47.853153	50.0	342153.0	0.638042	Y
5	IC 180-399329/11	100.0	66.425823	50.0	359224.0	0.664258	Y
6	IC 180-399329/12	175.0	107.380442	50.0	396941.0	0.613603	Y
7	IC 180-399329/13	200.0	128.605547	50.0	370138.0	0.643028	Y
8	IC 180-399329/14	250.0	160.914258	50.0	397787.0	0.643657	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

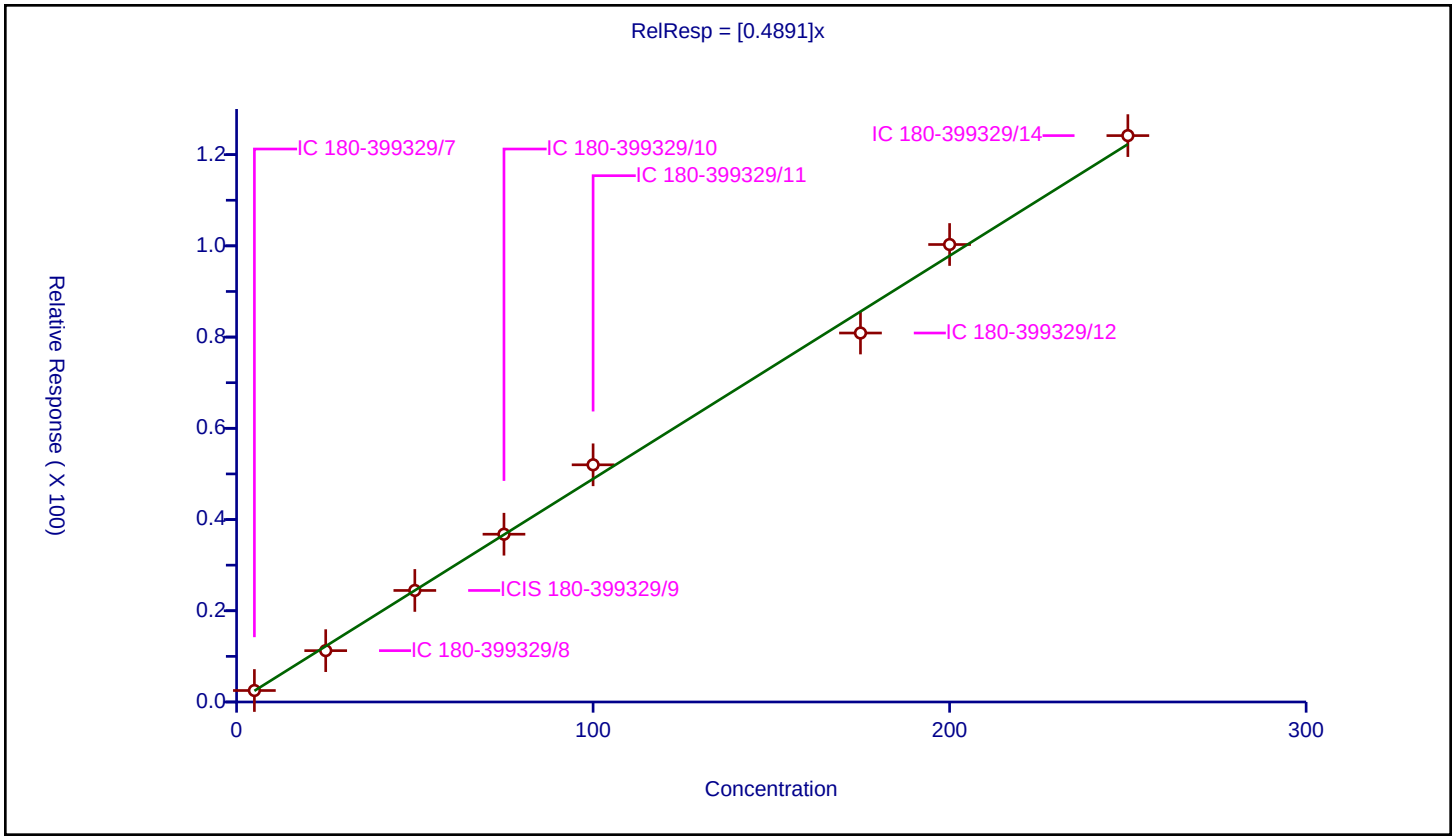
Curve Coefficients

Intercept:	0
Slope:	0.4891

Error Coefficients

Standard Error:	558000
Relative Standard Error:	4.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.514777	50.0	344802.0	0.502955	Y
2	IC 180-399329/8	25.0	11.258251	50.0	358426.0	0.45033	Y
3	ICIS 180-399329/9	50.0	24.45225	50.0	349612.0	0.489045	Y
4	IC 180-399329/10	75.0	36.784421	50.0	342153.0	0.490459	Y
5	IC 180-399329/11	100.0	51.998614	50.0	359224.0	0.519986	Y
6	IC 180-399329/12	175.0	80.890107	50.0	396941.0	0.462229	Y
7	IC 180-399329/13	200.0	100.294755	50.0	370138.0	0.501474	Y
8	IC 180-399329/14	250.0	124.172987	50.0	397787.0	0.496692	Y



Calibration / Tetrachloroethene

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

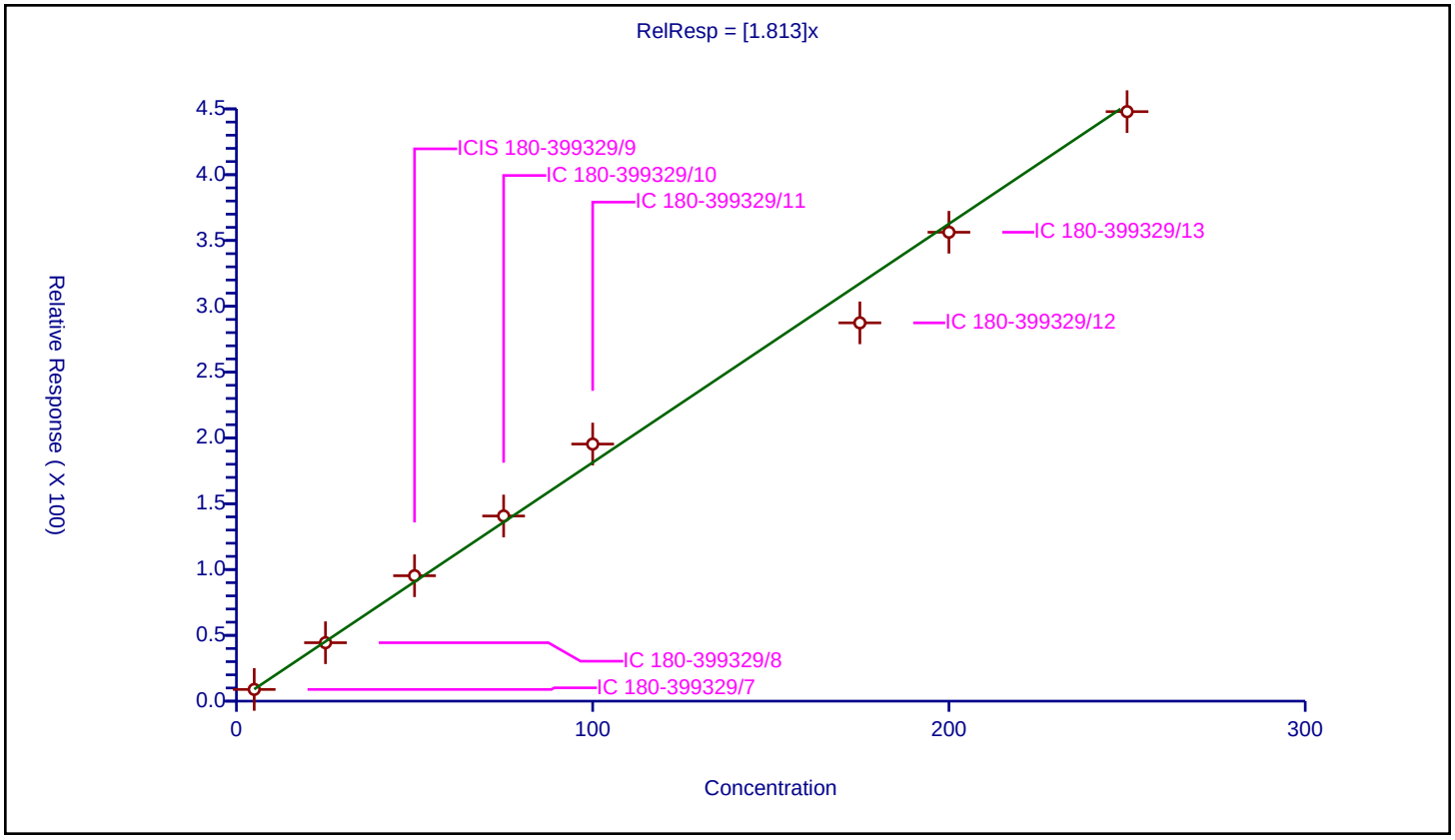
Curve Coefficients

Intercept:	0
Slope:	1.813

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	5.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	8.903226	50.0	344802.0	1.780645	Y
2	IC 180-399329/8	25.0	44.381546	50.0	358426.0	1.775262	Y
3	ICIS 180-399329/9	50.0	95.287633	50.0	349612.0	1.905753	Y
4	IC 180-399329/10	75.0	140.678878	50.0	342153.0	1.875718	Y
5	IC 180-399329/11	100.0	195.339955	50.0	359224.0	1.9534	Y
6	IC 180-399329/12	175.0	287.445237	50.0	396941.0	1.642544	Y
7	IC 180-399329/13	200.0	356.289816	50.0	370138.0	1.781449	Y
8	IC 180-399329/14	250.0	447.912325	50.0	397787.0	1.791649	Y



Calibration / 1,3-Dichloropropane

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

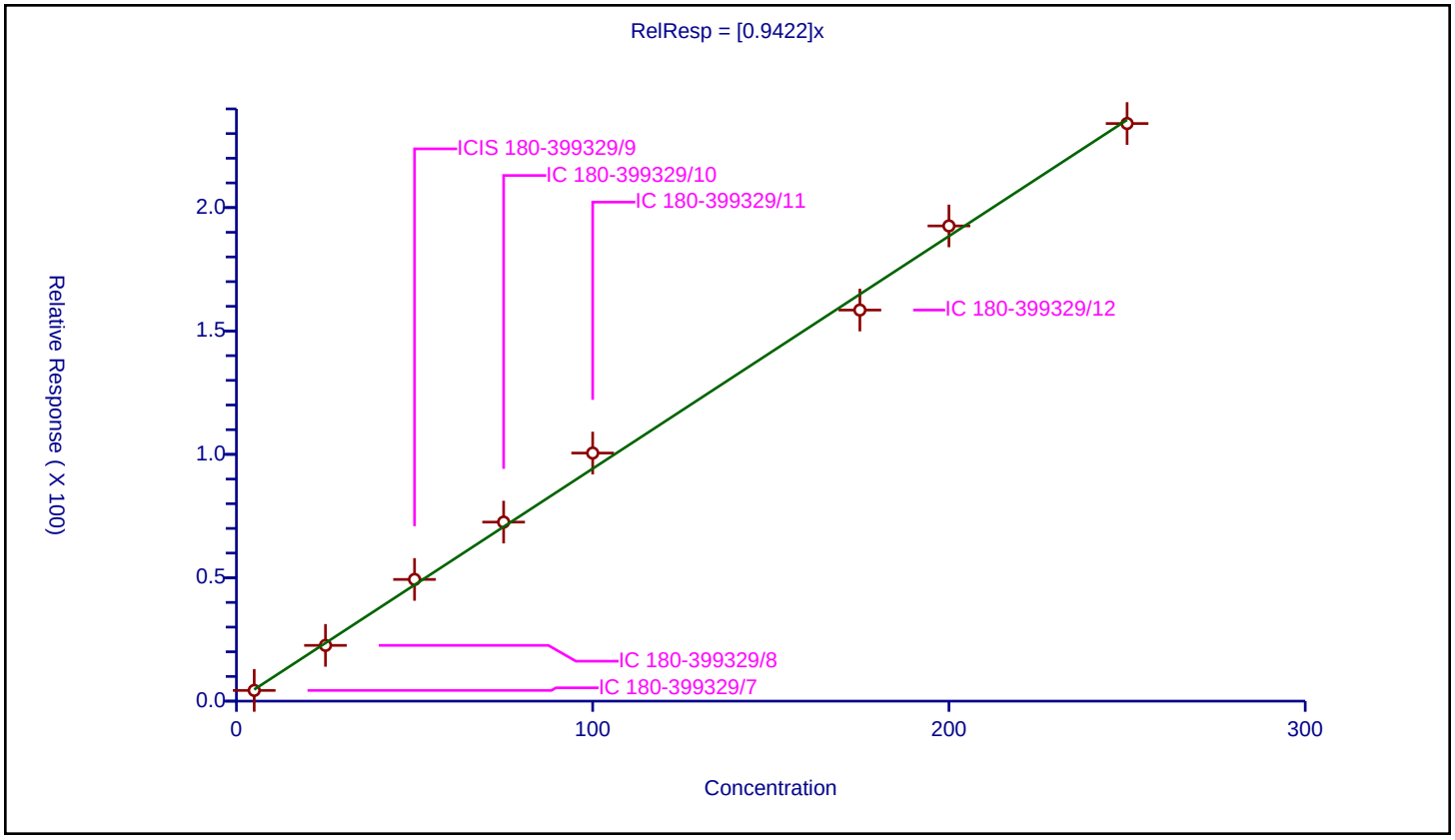
Curve Coefficients

Intercept:	0
Slope:	0.9422

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 180-399329/7	5.0	4.347858	50.0	344802.0	0.869572	Y
2	IC 180-399329/8	25.0	22.59239	50.0	358426.0	0.903696	Y
3	ICIS 180-399329/9	50.0	49.322249	50.0	349612.0	0.986445	Y
4	IC 180-399329/10	75.0	72.561544	50.0	342153.0	0.967487	Y
5	IC 180-399329/11	100.0	100.53198	50.0	359224.0	1.00532	Y
6	IC 180-399329/12	175.0	158.481487	50.0	396941.0	0.905608	Y
7	IC 180-399329/13	200.0	192.577498	50.0	370138.0	0.962887	Y
8	IC 180-399329/14	250.0	234.078162	50.0	397787.0	0.936313	Y



Calibration / 2-Hexanone

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

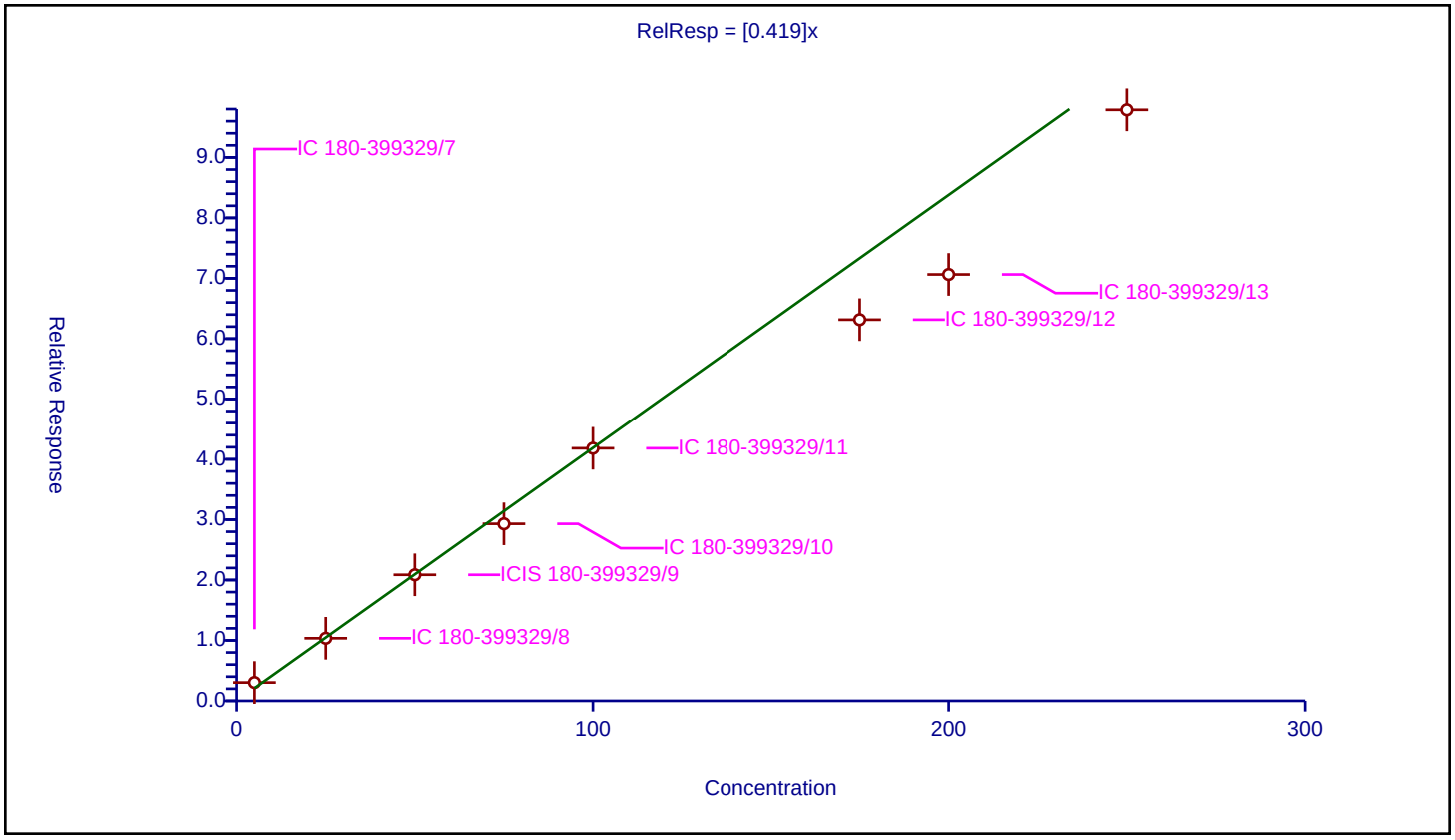
Curve Coefficients

Intercept:	0
Slope:	0.419

Error Coefficients

Standard Error:	429000
Relative Standard Error:	19.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	3.028405	50.0	344802.0	0.605681	Y
2	IC 180-399329/8	25.0	10.353741	50.0	358426.0	0.41415	Y
3	ICIS 180-399329/9	50.0	20.865846	50.0	349612.0	0.417317	Y
4	IC 180-399329/10	75.0	29.316125	50.0	342153.0	0.390882	Y
5	IC 180-399329/11	100.0	41.831838	50.0	359224.0	0.418318	Y
6	IC 180-399329/12	175.0	63.150065	50.0	396941.0	0.360858	Y
7	IC 180-399329/13	200.0	70.638384	50.0	370138.0	0.353192	Y
8	IC 180-399329/14	250.0	97.871097	50.0	397787.0	0.391484	Y



Calibration / Chlorodibromomethane

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

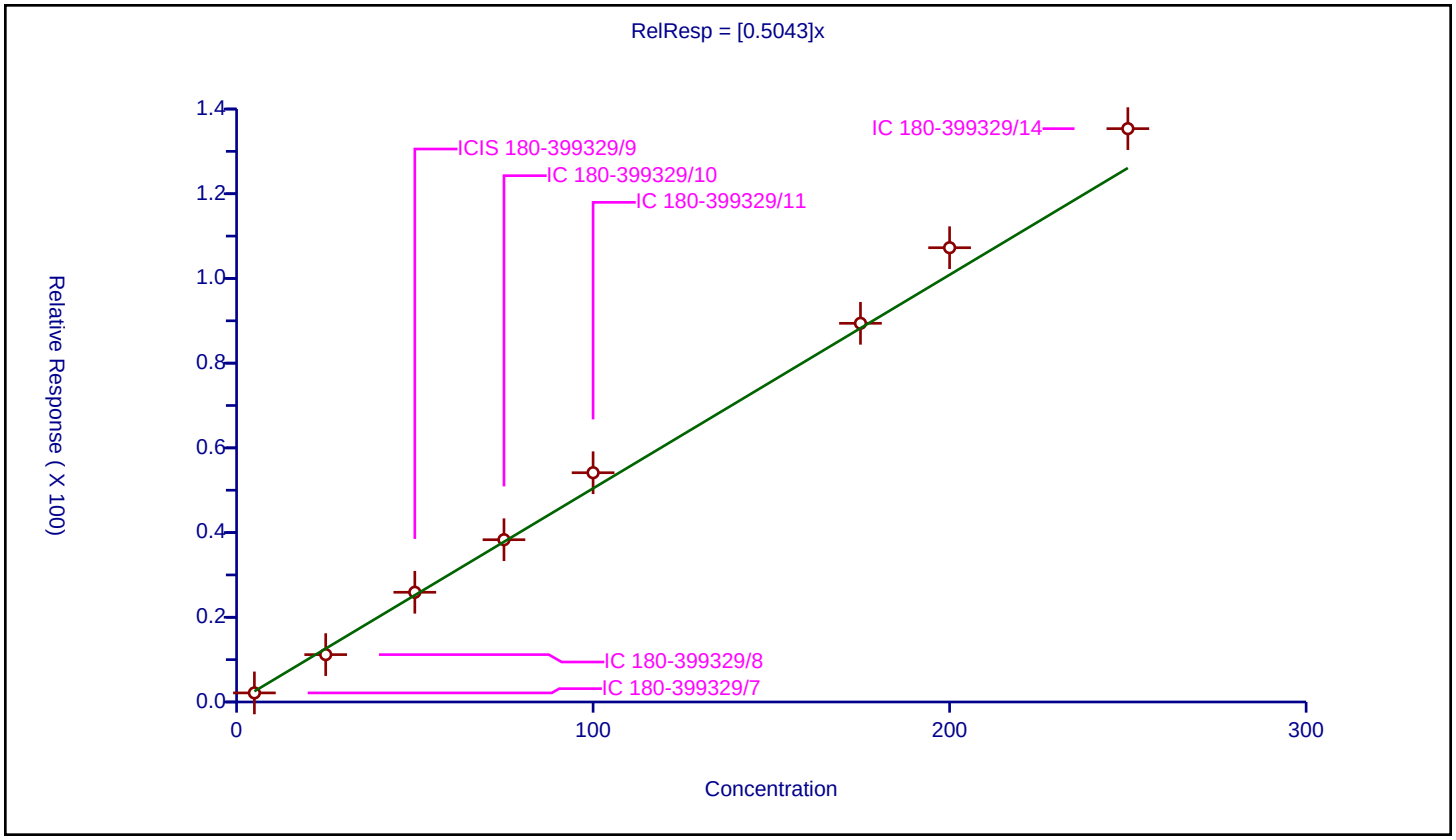
Curve Coefficients

Intercept:	0
Slope:	0.5043

Error Coefficients

Standard Error:	604000
Relative Standard Error:	8.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.140794	50.0	344802.0	0.428159	Y
2	IC 180-399329/8	25.0	11.183061	50.0	358426.0	0.447322	Y
3	ICIS 180-399329/9	50.0	25.902858	50.0	349612.0	0.518057	Y
4	IC 180-399329/10	75.0	38.316484	50.0	342153.0	0.510886	Y
5	IC 180-399329/11	100.0	54.128761	50.0	359224.0	0.541288	Y
6	IC 180-399329/12	175.0	89.406486	50.0	396941.0	0.510894	Y
7	IC 180-399329/13	200.0	107.253241	50.0	370138.0	0.536266	Y
8	IC 180-399329/14	250.0	135.363524	50.0	397787.0	0.541454	Y



Calibration / Ethylene Dibromide

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

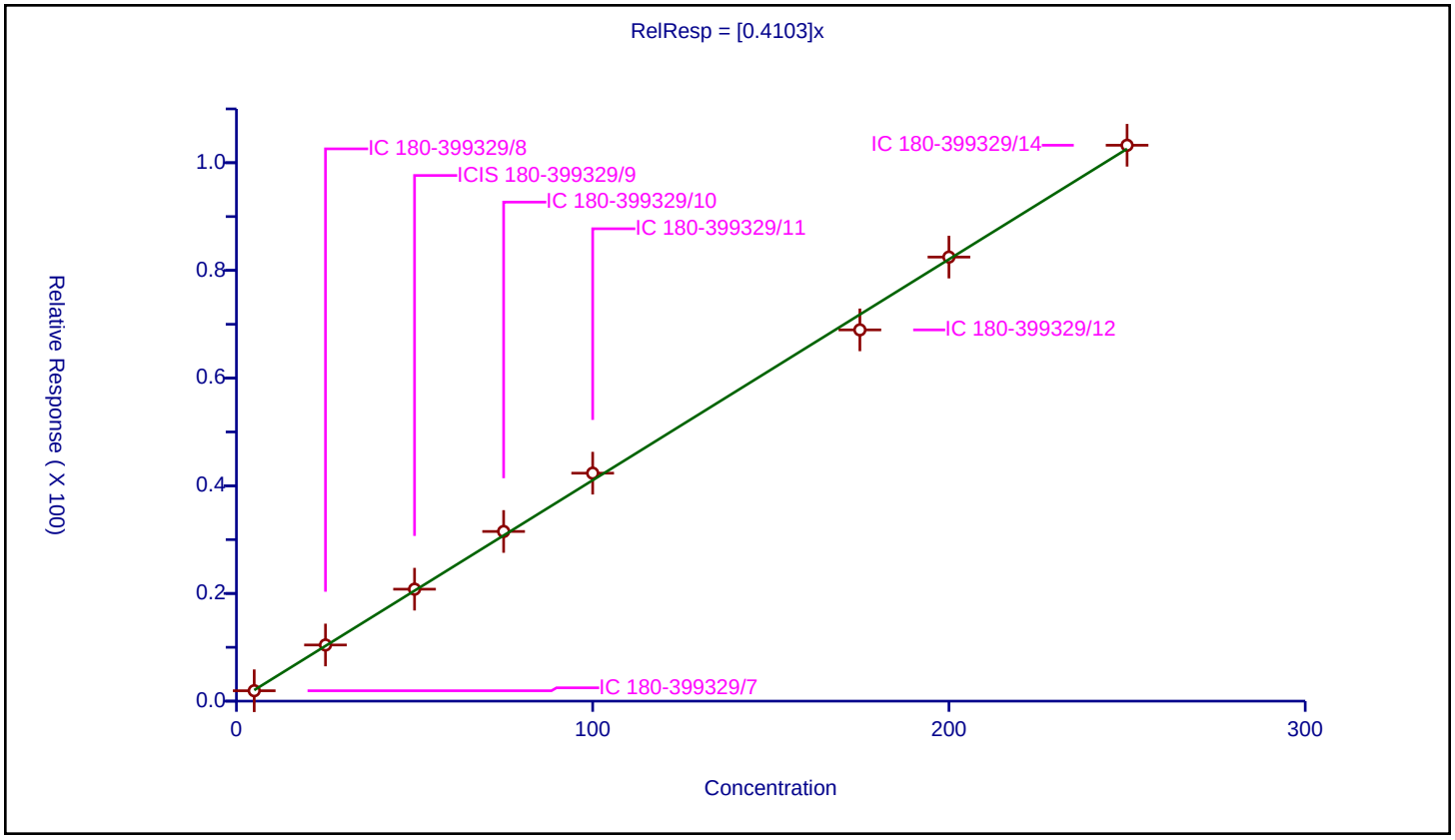
Curve Coefficients

Intercept:	0
Slope:	0.4103

Error Coefficients

Standard Error:	465000
Relative Standard Error:	3.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.932268	50.0	344802.0	0.386454	Y
2	IC 180-399329/8	25.0	10.428512	50.0	358426.0	0.41714	Y
3	ICIS 180-399329/9	50.0	20.795196	50.0	349612.0	0.415904	Y
4	IC 180-399329/10	75.0	31.512364	50.0	342153.0	0.420165	Y
5	IC 180-399329/11	100.0	42.342939	50.0	359224.0	0.423429	Y
6	IC 180-399329/12	175.0	68.955462	50.0	396941.0	0.394031	Y
7	IC 180-399329/13	200.0	82.474104	50.0	370138.0	0.412371	Y
8	IC 180-399329/14	250.0	103.245078	50.0	397787.0	0.41298	Y



Calibration / Chlorobenzene

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

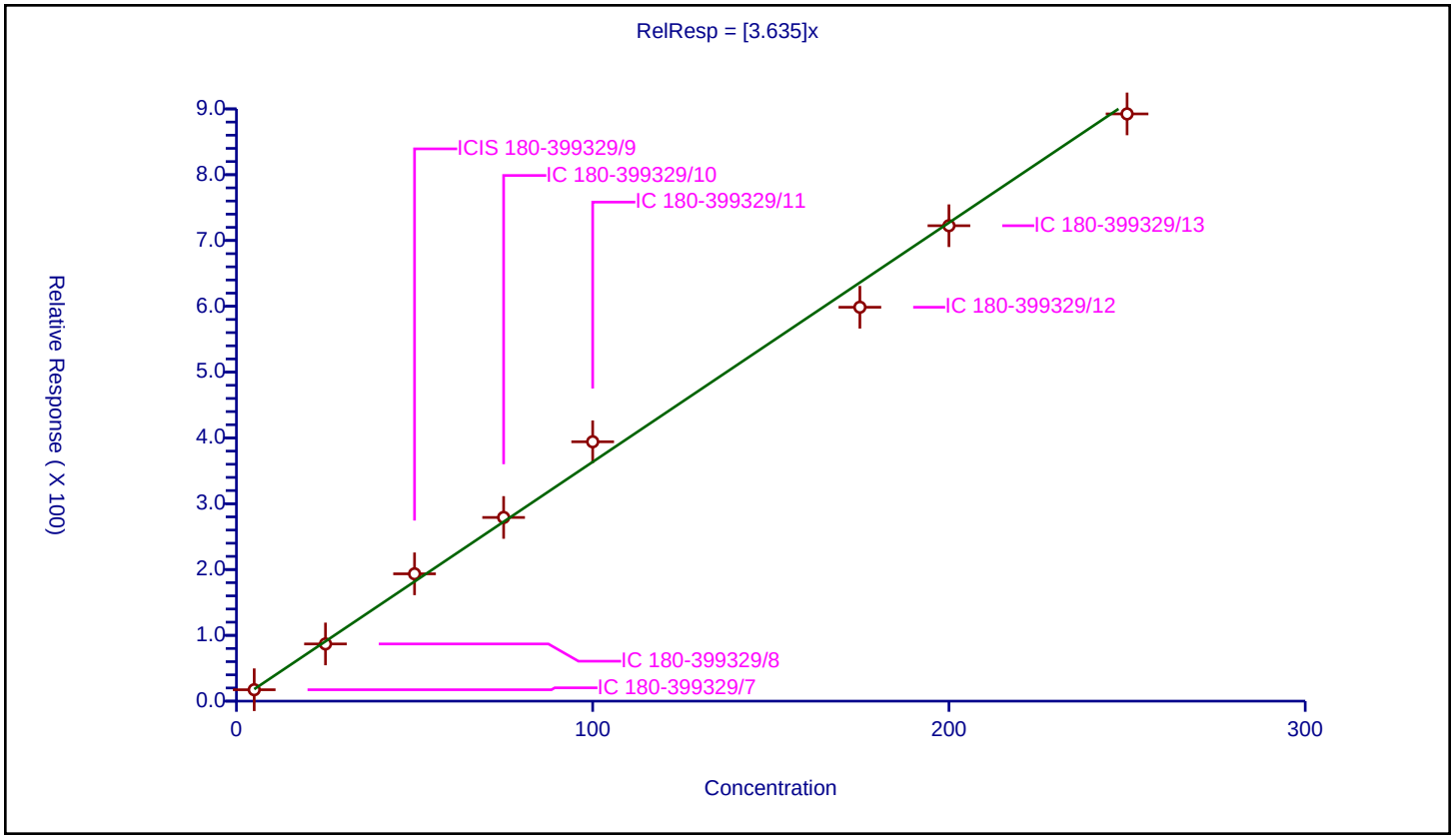
Curve Coefficients

Intercept:	0
Slope:	3.635

Error Coefficients

Standard Error:	4060000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	17.335891	50.0	344802.0	3.467178	Y
2	IC 180-399329/8	25.0	86.933007	50.0	358426.0	3.47732	Y
3	ICIS 180-399329/9	50.0	193.479629	50.0	349612.0	3.869593	Y
4	IC 180-399329/10	75.0	279.133019	50.0	342153.0	3.721774	Y
5	IC 180-399329/11	100.0	394.174387	50.0	359224.0	3.941744	Y
6	IC 180-399329/12	175.0	598.596769	50.0	396941.0	3.420553	Y
7	IC 180-399329/13	200.0	722.474185	50.0	370138.0	3.612371	Y
8	IC 180-399329/14	250.0	892.397187	50.0	397787.0	3.569589	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

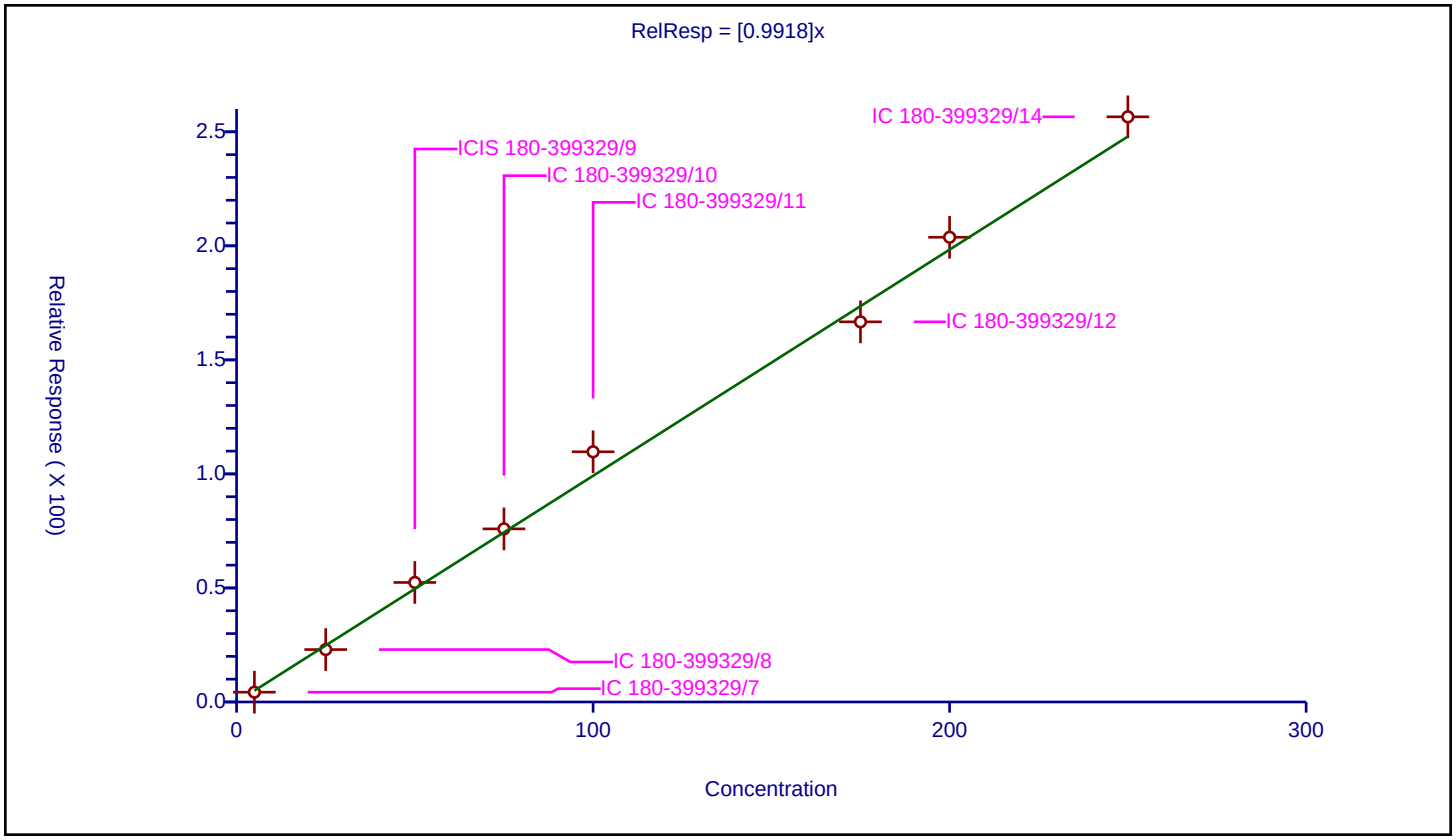
Curve Coefficients

Intercept:	0
Slope:	0.9918

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	7.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	4.299569	50.0	344802.0	0.859914	Y
2	IC 180-399329/8	25.0	22.977825	50.0	358426.0	0.919113	Y
3	ICIS 180-399329/9	50.0	52.41339	50.0	349612.0	1.048268	Y
4	IC 180-399329/10	75.0	75.901278	50.0	342153.0	1.012017	Y
5	IC 180-399329/11	100.0	109.706896	50.0	359224.0	1.097069	Y
6	IC 180-399329/12	175.0	166.680187	50.0	396941.0	0.952458	Y
7	IC 180-399329/13	200.0	203.775619	50.0	370138.0	1.018878	Y
8	IC 180-399329/14	250.0	256.573241	50.0	397787.0	1.026293	Y



Calibration / Ethylbenzene

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

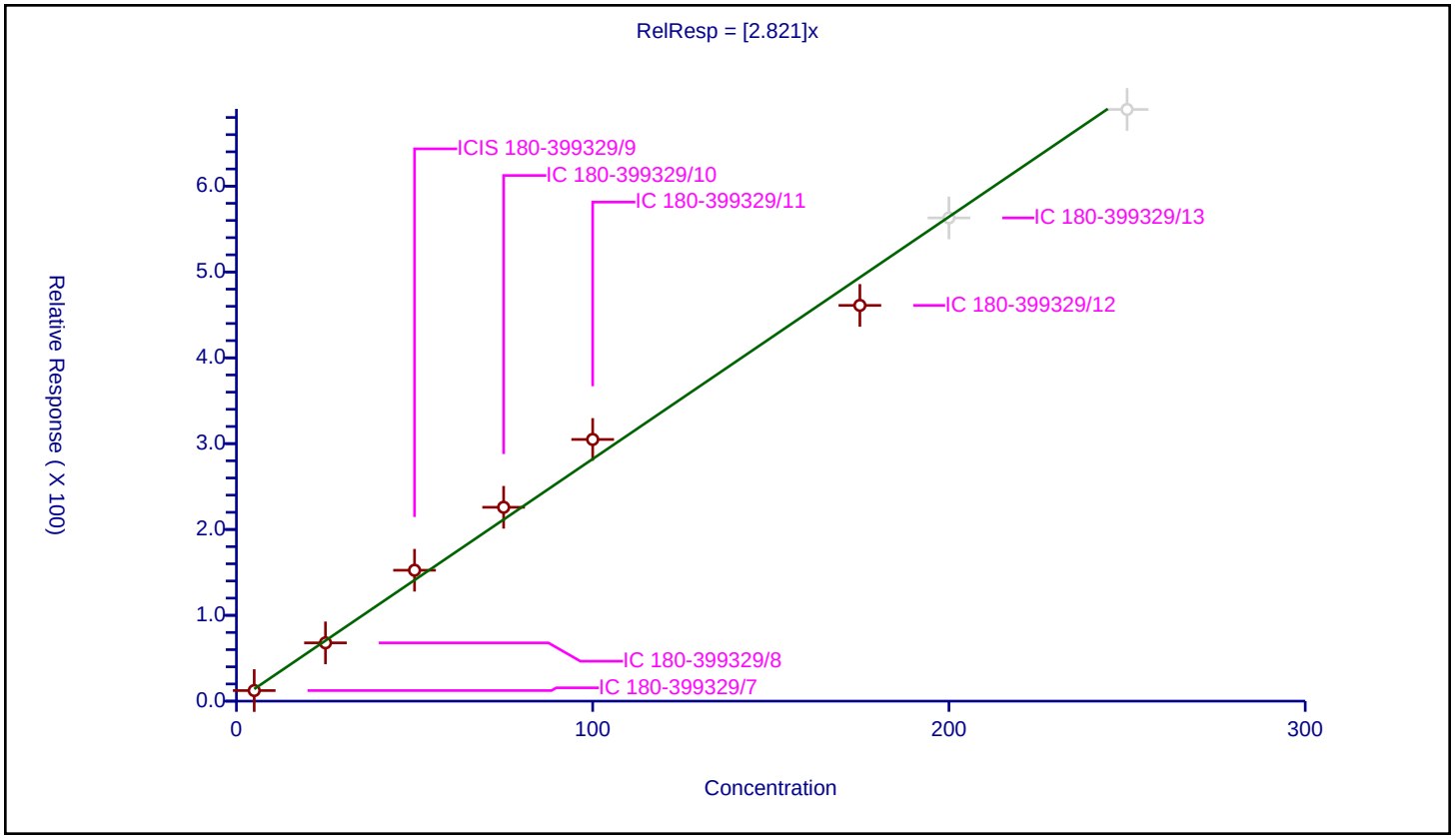
Curve Coefficients

Intercept:	0
Slope:	2.821

Error Coefficients

Standard Error:	2100000
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 180-399329/7	5.0	12.328815	50.0	344802.0	2.465763	Y
2	IC 180-399329/8	25.0	67.903696	50.0	358426.0	2.716148	Y
3	ICIS 180-399329/9	50.0	152.493908	50.0	349612.0	3.049878	Y
4	IC 180-399329/10	75.0	225.860945	50.0	342153.0	3.011479	Y
5	IC 180-399329/11	100.0	304.898336	50.0	359224.0	3.048983	Y
6	IC 180-399329/12	175.0	461.061719	50.0	396941.0	2.634638	Y
7	IC 180-399329/13	200.0	563.006095	50.0	370138.0	2.81503	N
8	IC 180-399329/14	250.0	689.35825	50.0	397787.0	2.757433	N



Calibration / m-Xylene & p-Xylene

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

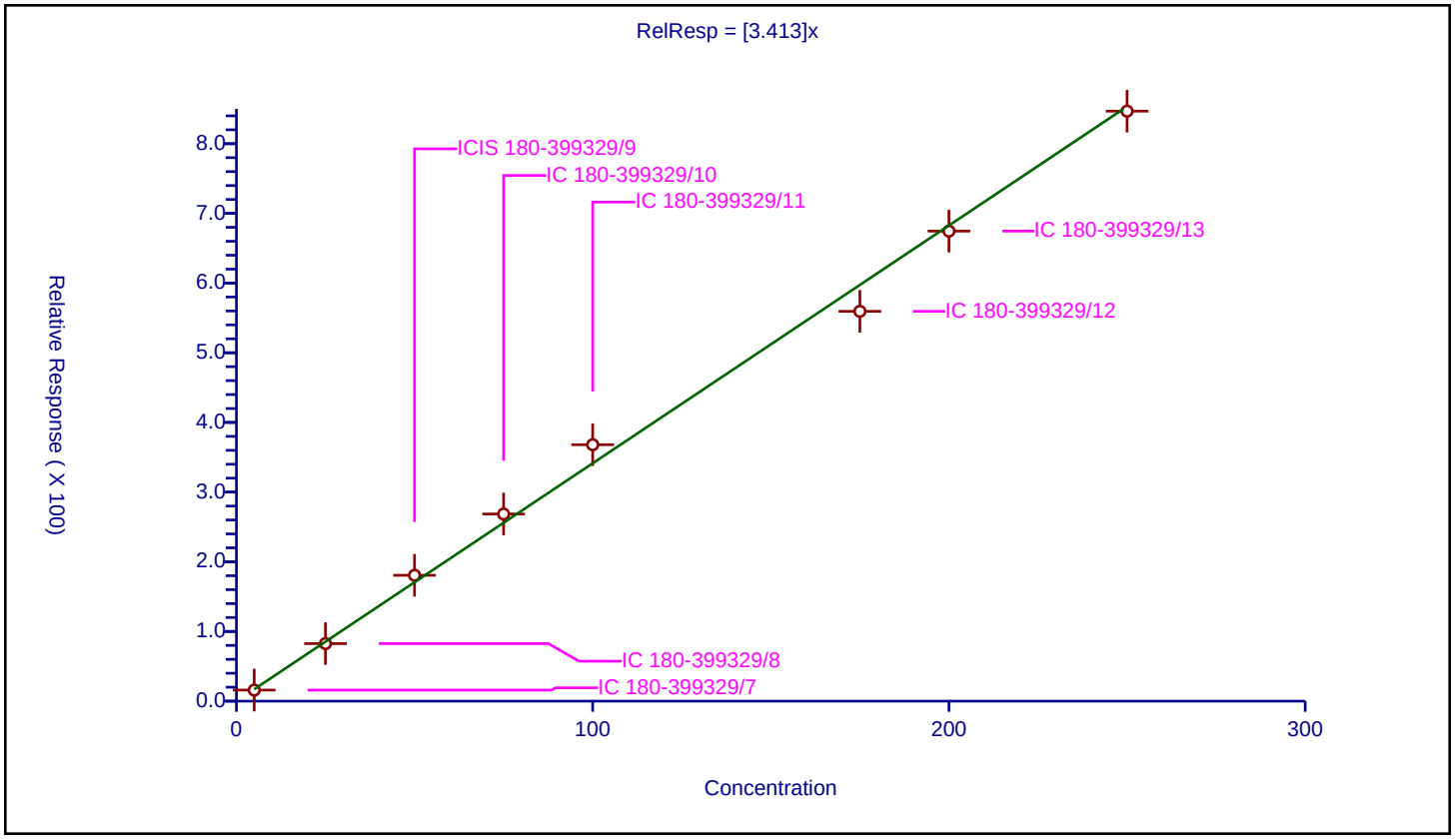
Curve Coefficients

Intercept:	0
Slope:	3.413

Error Coefficients

Standard Error:	3820000
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 180-399329/7	5.0	15.869688	50.0	344802.0	3.173938	Y
2	IC 180-399329/8	25.0	82.568787	50.0	358426.0	3.302751	Y
3	ICIS 180-399329/9	50.0	180.638679	50.0	349612.0	3.612774	Y
4	IC 180-399329/10	75.0	268.5778	50.0	342153.0	3.581037	Y
5	IC 180-399329/11	100.0	368.002138	50.0	359224.0	3.680021	Y
6	IC 180-399329/12	175.0	559.45934	50.0	396941.0	3.196911	Y
7	IC 180-399329/13	200.0	674.572997	50.0	370138.0	3.372865	Y
8	IC 180-399329/14	250.0	846.761081	50.0	397787.0	3.387044	Y



Calibration / o-Xylene

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

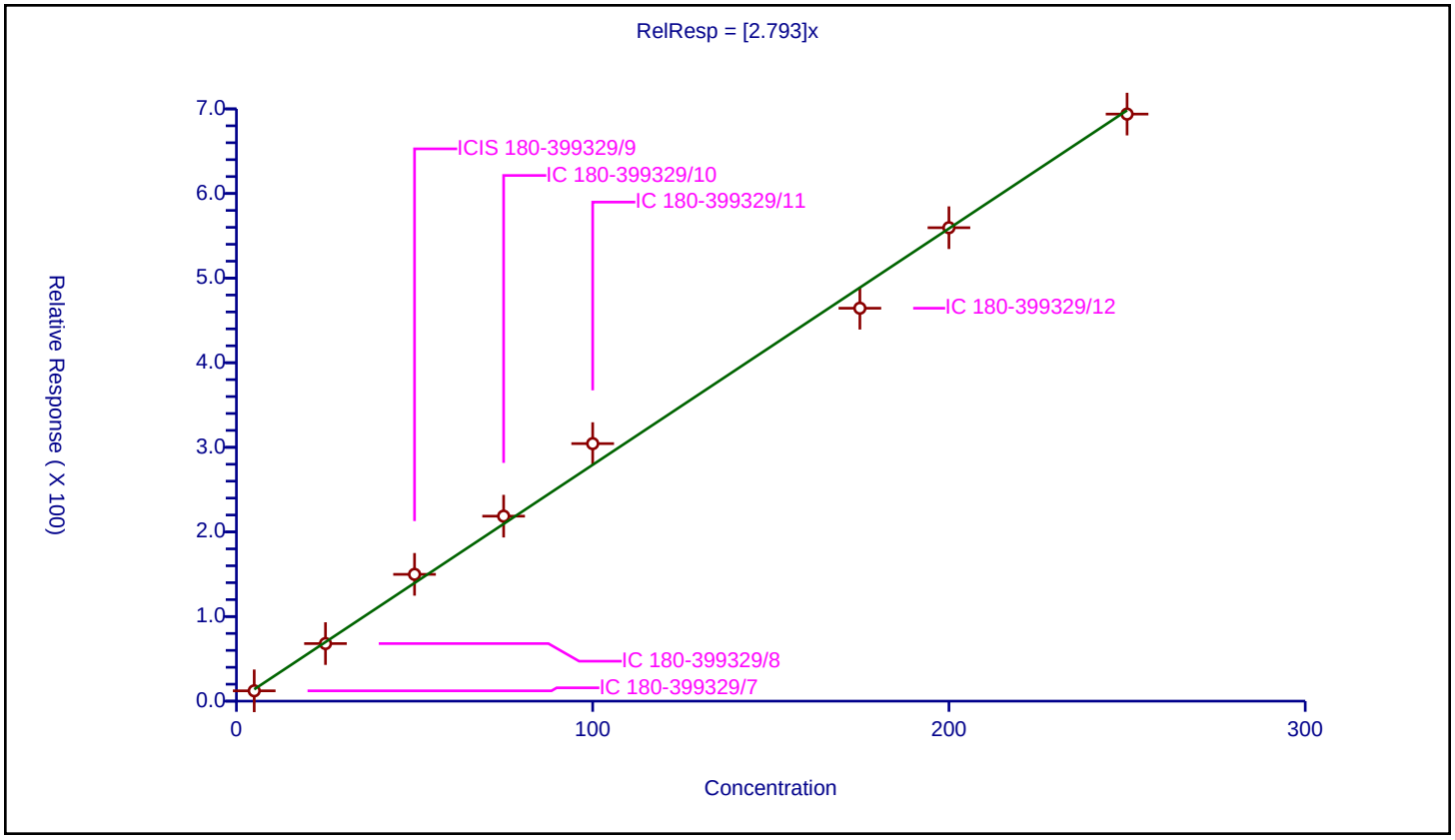
Curve Coefficients

Intercept:	0
Slope:	2.793

Error Coefficients

Standard Error:	3150000
Relative Standard Error:	7.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	12.197	50.0	344802.0	2.4394	Y
2	IC 180-399329/8	25.0	68.040125	50.0	358426.0	2.721605	Y
3	ICIS 180-399329/9	50.0	149.862133	50.0	349612.0	2.997243	Y
4	IC 180-399329/10	75.0	218.632016	50.0	342153.0	2.915094	Y
5	IC 180-399329/11	100.0	304.377631	50.0	359224.0	3.043776	Y
6	IC 180-399329/12	175.0	464.40214	50.0	396941.0	2.653727	Y
7	IC 180-399329/13	200.0	559.577239	50.0	370138.0	2.797886	Y
8	IC 180-399329/14	250.0	693.873731	50.0	397787.0	2.775495	Y



Calibration / Styrene

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

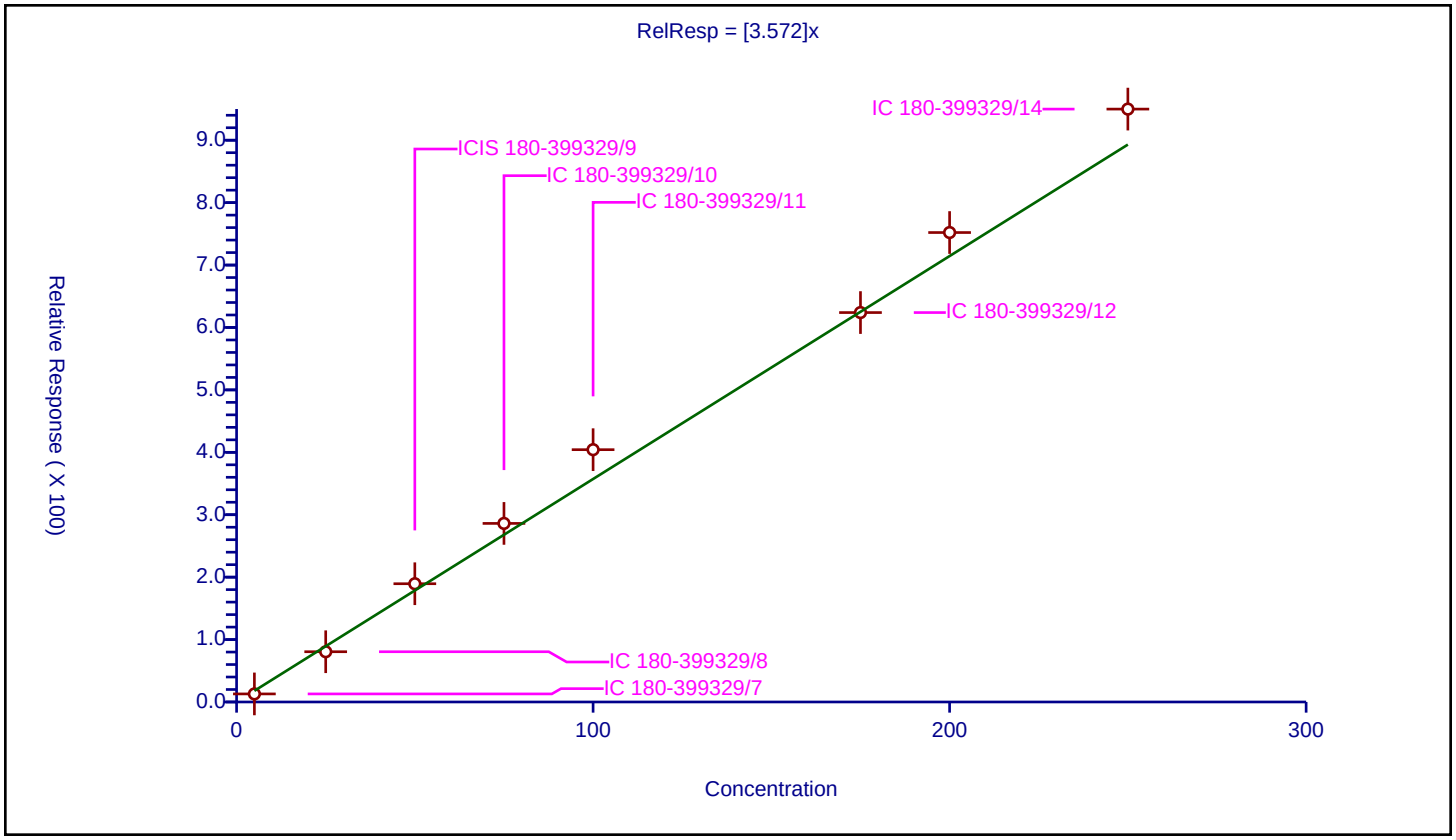
Curve Coefficients

Intercept:	0
Slope:	3.572

Error Coefficients

Standard Error:	4260000
Relative Standard Error:	13.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	12.927274	50.0	344802.0	2.585455	Y
2	IC 180-399329/8	25.0	80.492208	50.0	358426.0	3.219688	Y
3	ICIS 180-399329/9	50.0	189.447159	50.0	349612.0	3.788943	Y
4	IC 180-399329/10	75.0	286.107385	50.0	342153.0	3.814765	Y
5	IC 180-399329/11	100.0	404.232039	50.0	359224.0	4.04232	Y
6	IC 180-399329/12	175.0	623.895491	50.0	396941.0	3.565117	Y
7	IC 180-399329/13	200.0	752.114347	50.0	370138.0	3.760572	Y
8	IC 180-399329/14	250.0	949.882349	50.0	397787.0	3.799529	Y



Calibration / Bromoform

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

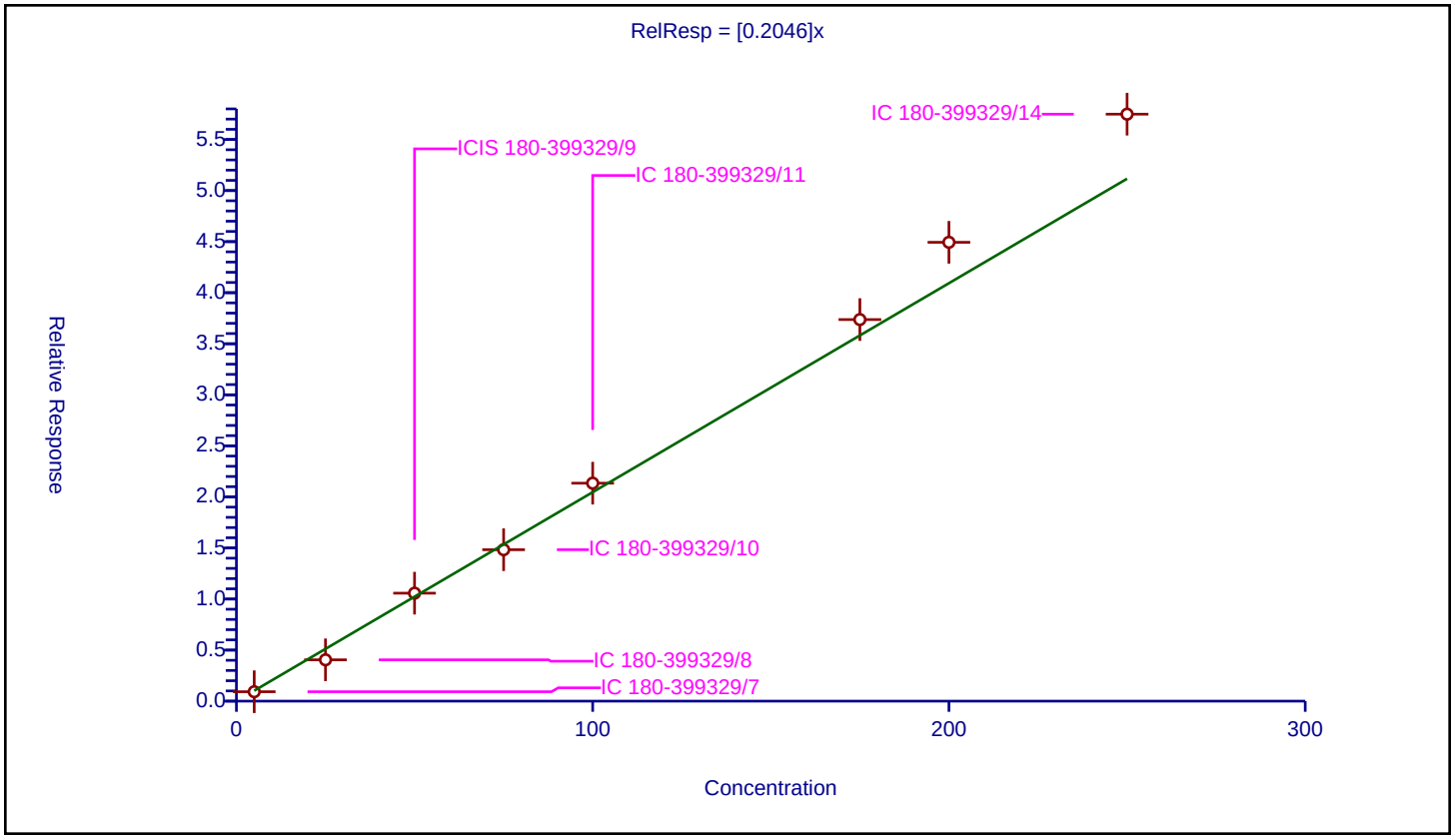
Curve Coefficients

Intercept:	0
Slope:	0.2046

Error Coefficients

Standard Error:	253000
Relative Standard Error:	11.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.922558	50.0	344802.0	0.184512	Y
2	IC 180-399329/8	25.0	4.047558	50.0	358426.0	0.161902	Y
3	ICIS 180-399329/9	50.0	10.57315	50.0	349612.0	0.211463	Y
4	IC 180-399329/10	75.0	14.828746	50.0	342153.0	0.197717	Y
5	IC 180-399329/11	100.0	21.344899	50.0	359224.0	0.213449	Y
6	IC 180-399329/12	175.0	37.36777	50.0	396941.0	0.21353	Y
7	IC 180-399329/13	200.0	44.935267	50.0	370138.0	0.224676	Y
8	IC 180-399329/14	250.0	57.484156	50.0	397787.0	0.229937	Y



Calibration / Isopropylbenzene

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

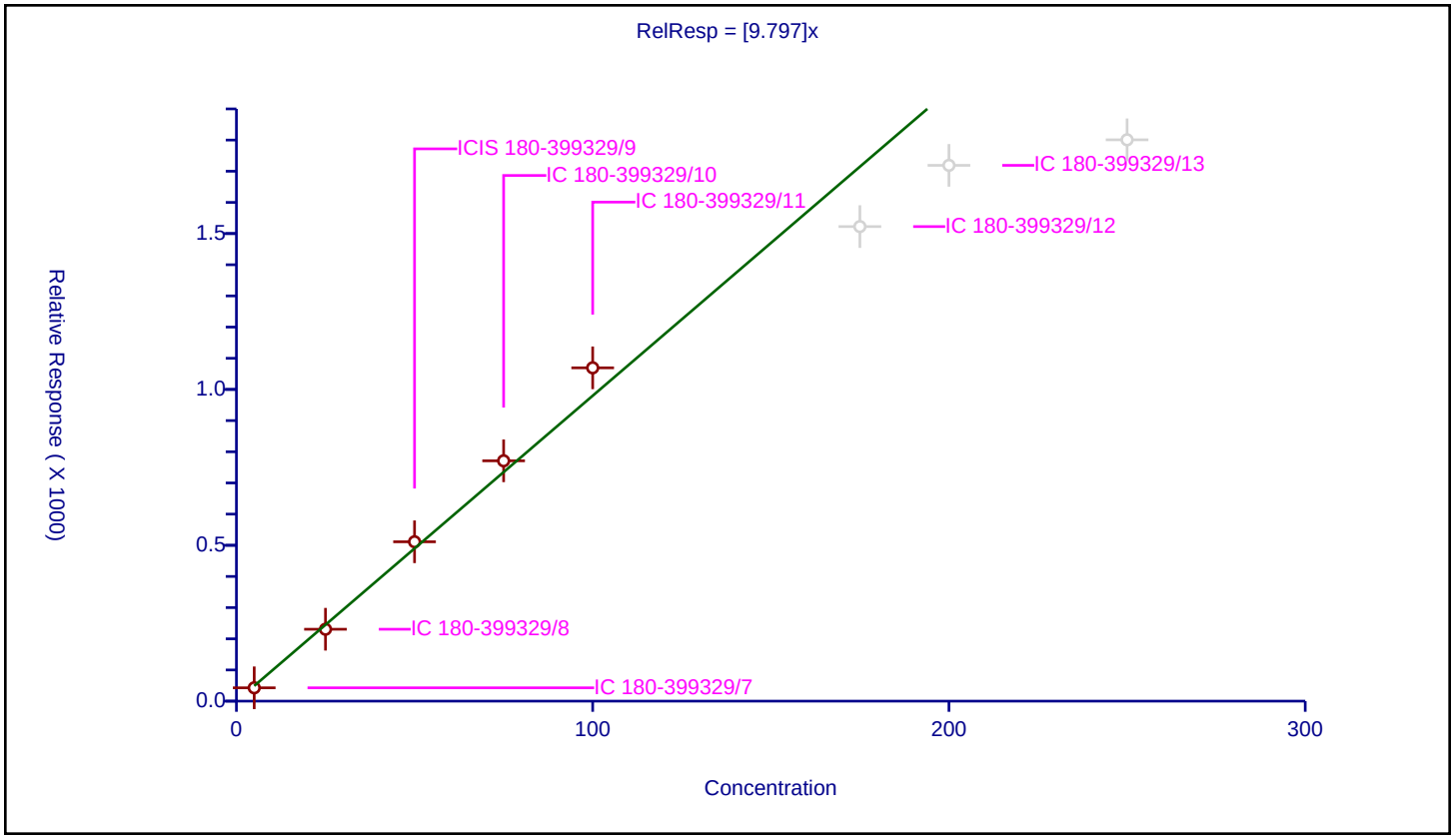
Curve Coefficients

Intercept:	0
Slope:	9.797

Error Coefficients

Standard Error:	5060000
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 180-399329/7	5.0	42.803116	50.0	344802.0	8.560623	Y
2	IC 180-399329/8	25.0	230.685832	50.0	358426.0	9.227433	Y
3	ICIS 180-399329/9	50.0	511.221011	50.0	349612.0	10.22442	Y
4	IC 180-399329/10	75.0	771.002739	50.0	342153.0	10.280037	Y
5	IC 180-399329/11	100.0	1069.33181	50.0	359224.0	10.693318	Y
6	IC 180-399329/12	175.0	1522.424869	50.0	396941.0	8.699571	N
7	IC 180-399329/13	200.0	1718.89606	50.0	370138.0	8.59448	N
8	IC 180-399329/14	250.0	1800.774032	50.0	397787.0	7.203096	N



Calibration / 4-Bromofluorobenzene (Surr)

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

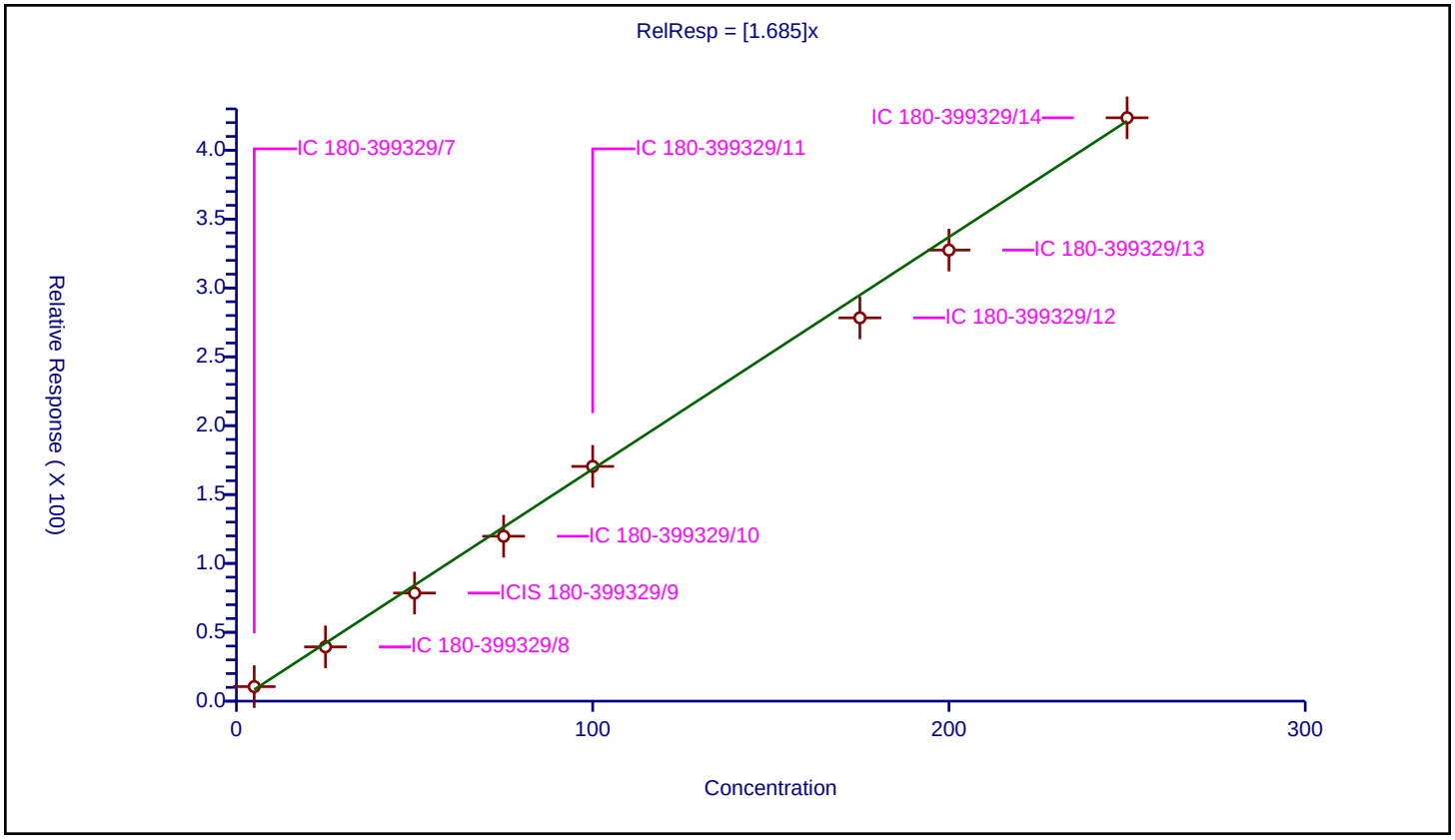
Curve Coefficients

Intercept:	0
Slope:	1.685

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	10.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	10.540542	50.0	344802.0	2.108108	Y
2	IC 180-399329/8	25.0	39.42055	50.0	358426.0	1.576822	Y
3	ICIS 180-399329/9	50.0	78.493444	50.0	349612.0	1.569869	Y
4	IC 180-399329/10	75.0	119.751836	50.0	342153.0	1.596691	Y
5	IC 180-399329/11	100.0	170.434882	50.0	359224.0	1.704349	Y
6	IC 180-399329/12	175.0	278.279518	50.0	396941.0	1.590169	Y
7	IC 180-399329/13	200.0	327.469079	50.0	370138.0	1.637345	Y
8	IC 180-399329/14	250.0	423.550166	50.0	397787.0	1.694201	Y



Calibration / Bromobenzene

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

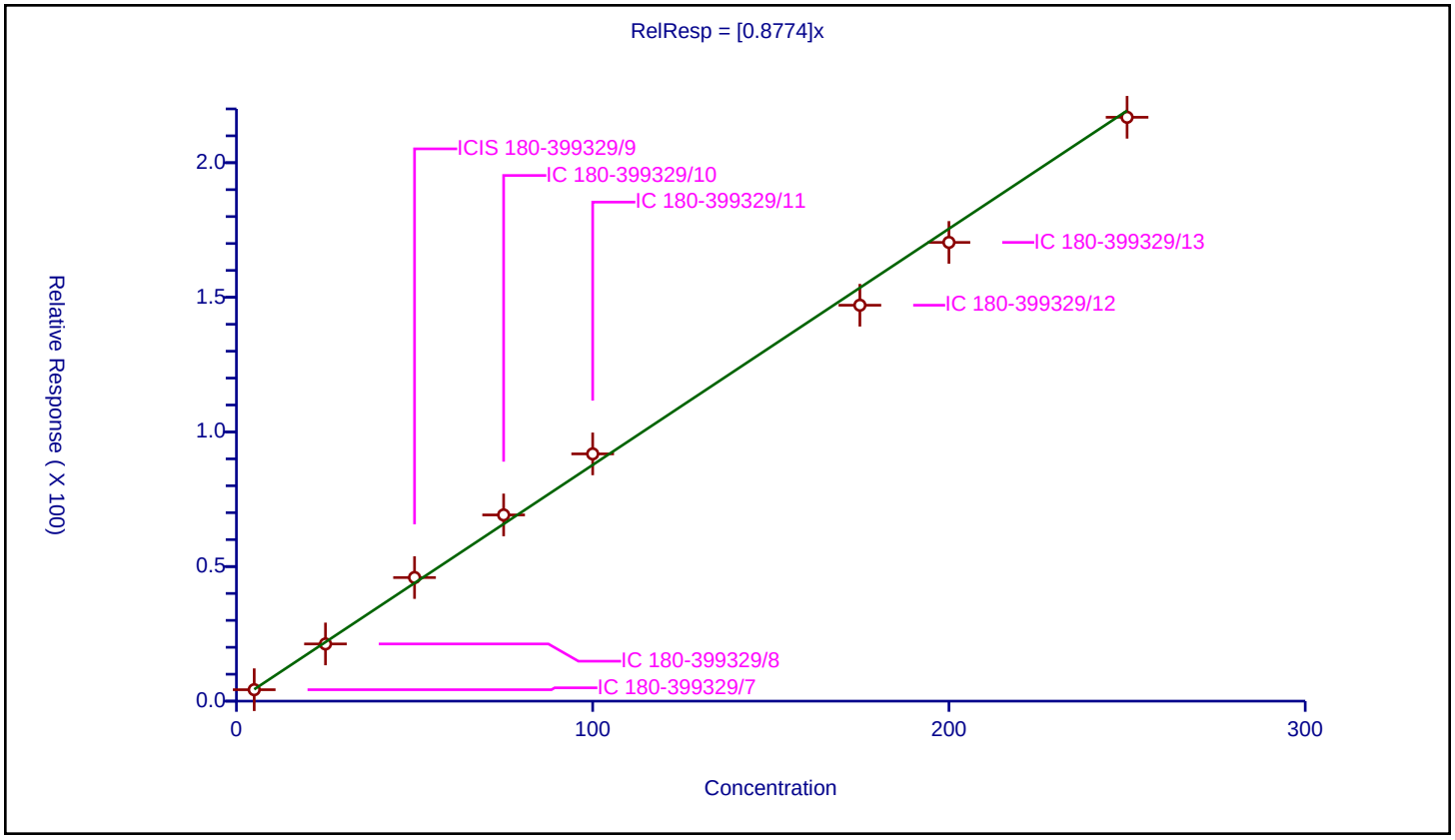
Curve Coefficients

Intercept:	0
Slope:	0.8774

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	4.25098	50.0	396191.0	0.850196	Y
2	IC 180-399329/8	25.0	21.245641	50.0	452474.0	0.849826	Y
3	ICIS 180-399329/9	50.0	45.91396	50.0	446141.0	0.918279	Y
4	IC 180-399329/10	75.0	69.168054	50.0	443887.0	0.922241	Y
5	IC 180-399329/11	100.0	91.851989	50.0	476828.0	0.91852	Y
6	IC 180-399329/12	175.0	147.07372	50.0	510375.0	0.840421	Y
7	IC 180-399329/13	200.0	170.403674	50.0	486606.0	0.852018	Y
8	IC 180-399329/14	250.0	216.87944	50.0	517686.0	0.867518	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

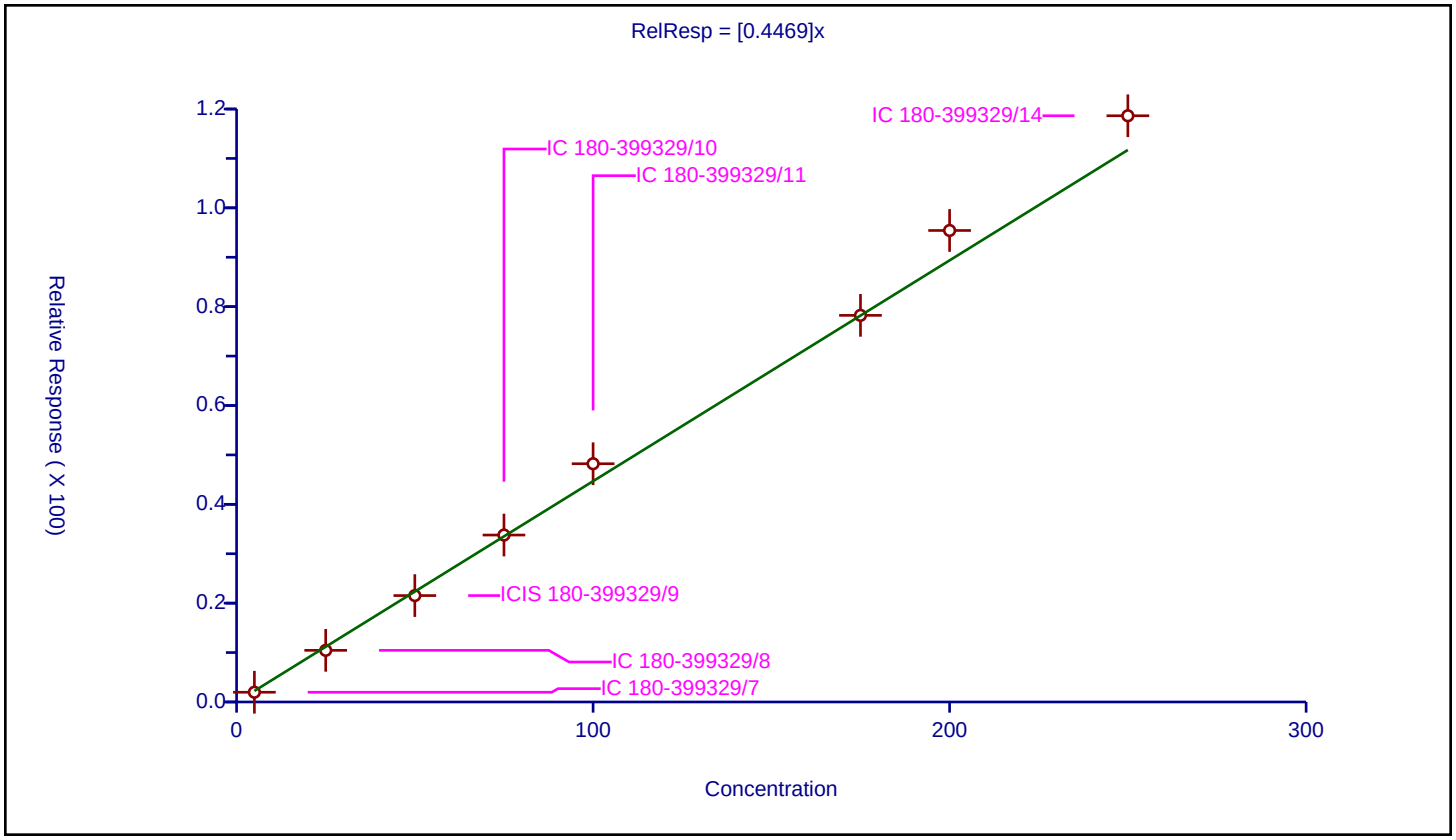
Curve Coefficients

Intercept:	0
Slope:	0.4469

Error Coefficients

Standard Error:	531000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.974321	50.0	344802.0	0.394864	Y
2	IC 180-399329/8	25.0	10.449298	50.0	358426.0	0.417972	Y
3	ICIS 180-399329/9	50.0	21.5333	50.0	349612.0	0.430666	Y
4	IC 180-399329/10	75.0	33.785032	50.0	342153.0	0.450467	Y
5	IC 180-399329/11	100.0	48.213789	50.0	359224.0	0.482138	Y
6	IC 180-399329/12	175.0	78.242107	50.0	396941.0	0.447098	Y
7	IC 180-399329/13	200.0	95.419276	50.0	370138.0	0.477096	Y
8	IC 180-399329/14	250.0	118.63359	50.0	397787.0	0.474534	Y



Calibration / 1,2,3-Trichloropropane

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

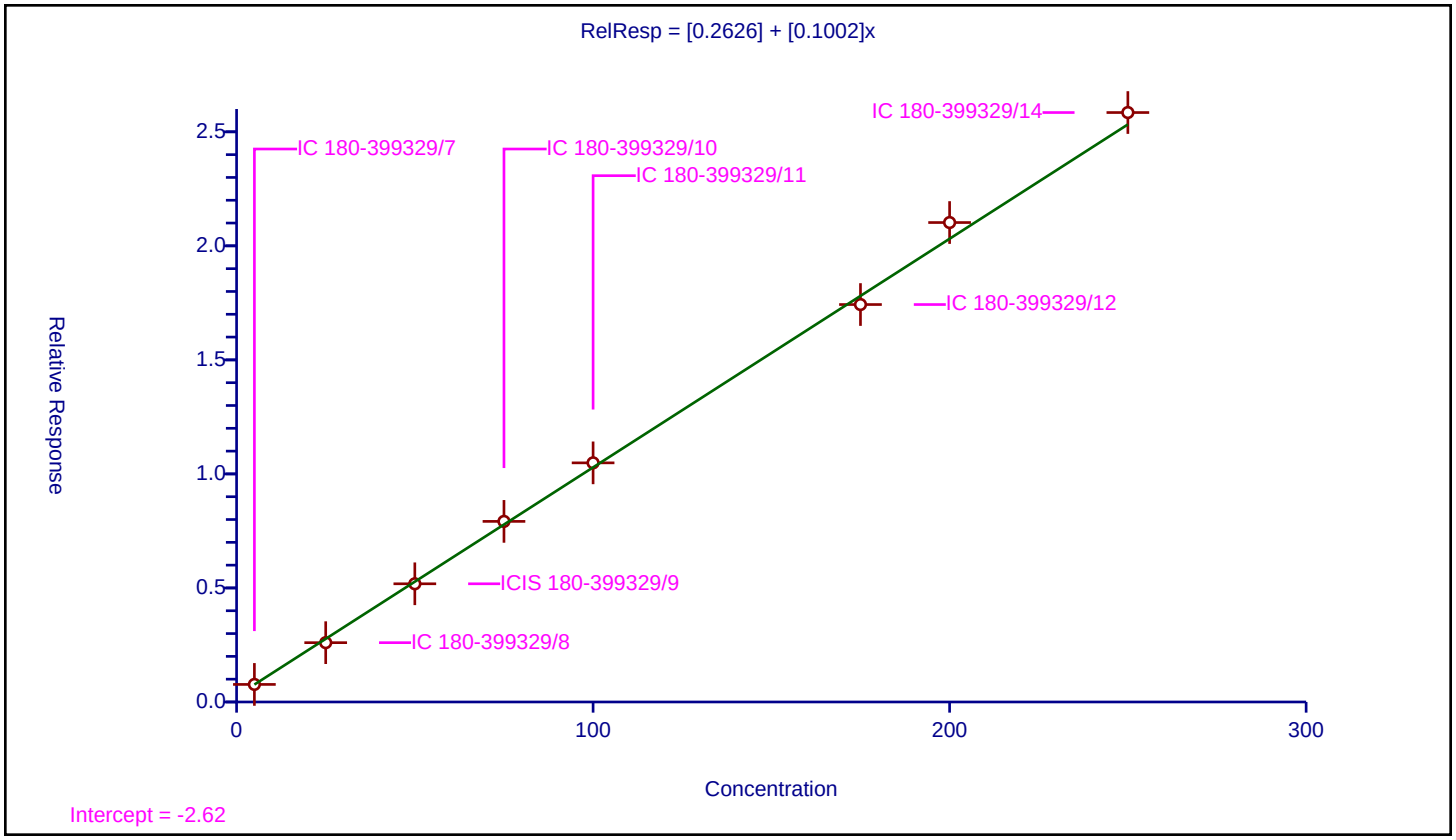
Curve Coefficients

Intercept:	0.2626
Slope:	0.1002

Error Coefficients

Standard Error:	165000
Relative Standard Error:	3.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.769957	50.0	396191.0	0.153991	Y
2	IC 180-399329/8	25.0	2.600702	50.0	452474.0	0.104028	Y
3	ICIS 180-399329/9	50.0	5.182891	50.0	446141.0	0.103658	Y
4	IC 180-399329/10	75.0	7.918795	50.0	443887.0	0.105584	Y
5	IC 180-399329/11	100.0	10.485542	50.0	476828.0	0.104855	Y
6	IC 180-399329/12	175.0	17.426696	50.0	510375.0	0.099581	Y
7	IC 180-399329/13	200.0	21.022141	50.0	486606.0	0.105111	Y
8	IC 180-399329/14	250.0	25.846073	50.0	517686.0	0.103384	Y



Calibration / trans-1,4-Dichloro-2-butene

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

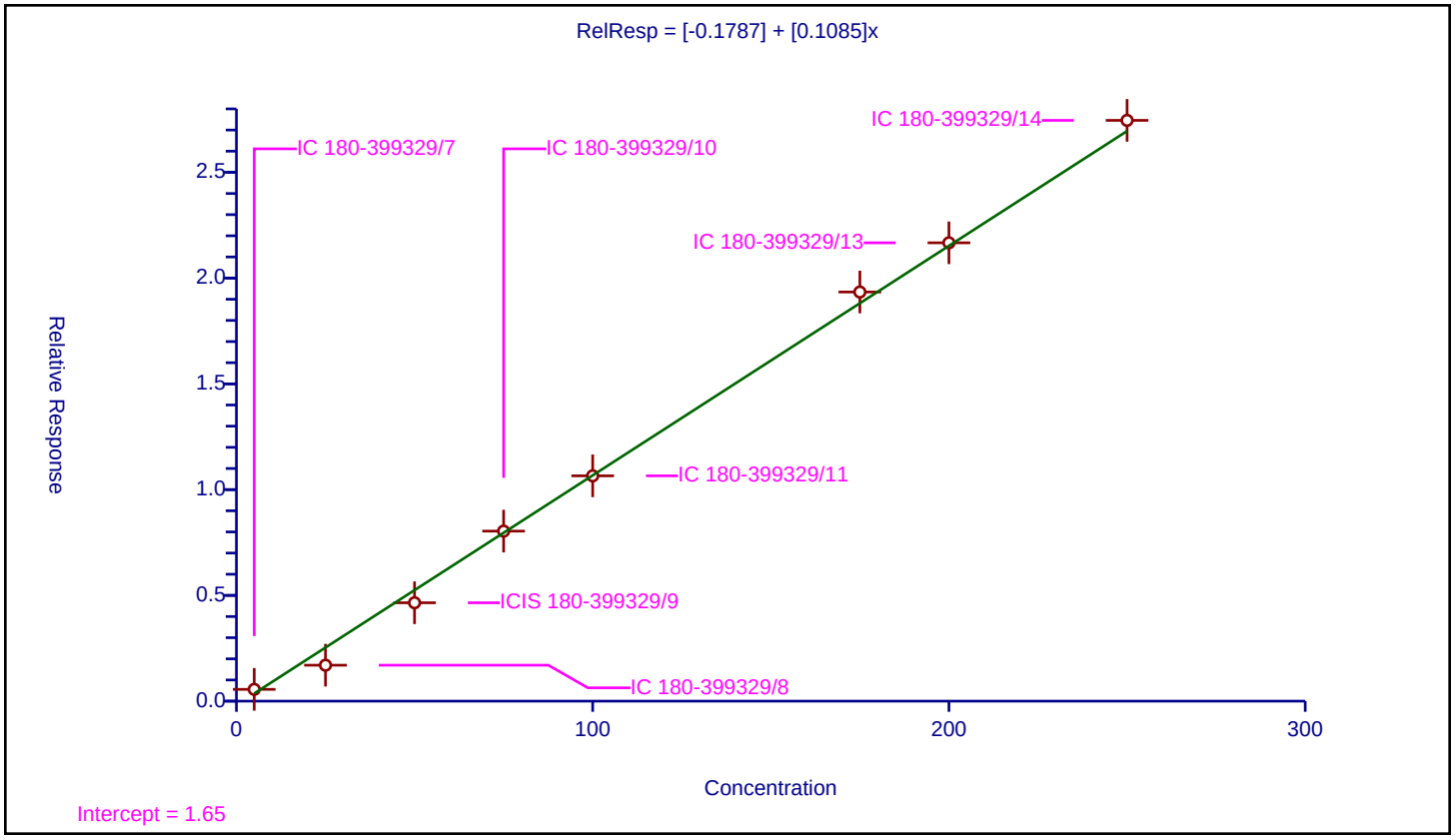
Curve Coefficients

Intercept:	-0.1787
Slope:	0.1085

Error Coefficients

Standard Error:	174000
Relative Standard Error:	19.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.557559	50.0	396191.0	0.111512	Y
2	IC 180-399329/8	25.0	1.698661	50.0	452474.0	0.067946	Y
3	ICIS 180-399329/9	50.0	4.650996	50.0	446141.0	0.09302	Y
4	IC 180-399329/10	75.0	8.038645	50.0	443887.0	0.107182	Y
5	IC 180-399329/11	100.0	10.652688	50.0	476828.0	0.106527	Y
6	IC 180-399329/12	175.0	19.342444	50.0	510375.0	0.110528	Y
7	IC 180-399329/13	200.0	21.66866	50.0	486606.0	0.108343	Y
8	IC 180-399329/14	250.0	27.457667	50.0	517686.0	0.109831	Y



Calibration / N-Propylbenzene

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

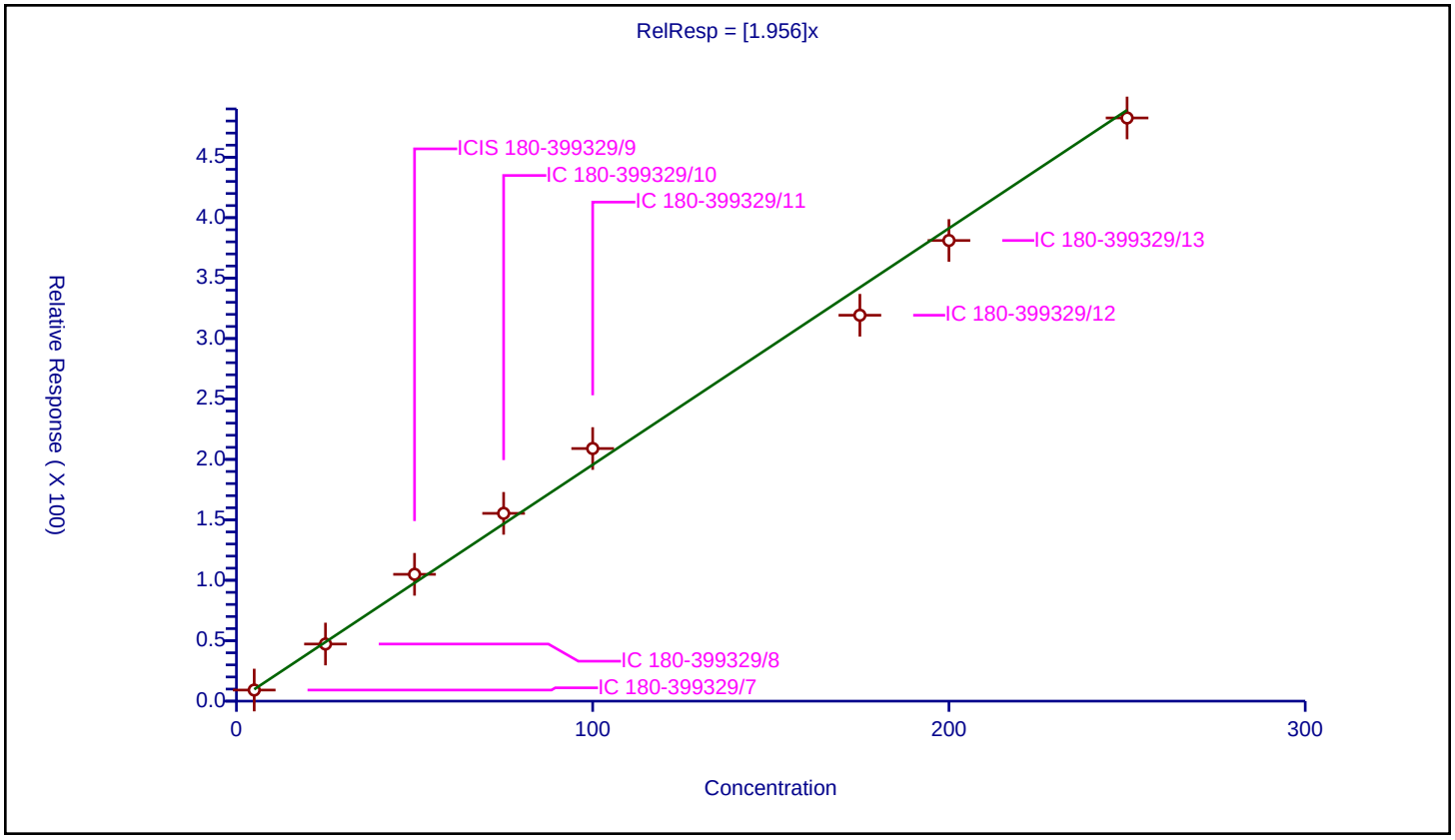
Curve Coefficients

Intercept:	0
Slope:	1.956

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	9.186352	50.0	396191.0	1.83727	Y
2	IC 180-399329/8	25.0	47.2615	50.0	452474.0	1.89046	Y
3	ICIS 180-399329/9	50.0	104.933194	50.0	446141.0	2.098664	Y
4	IC 180-399329/10	75.0	155.363189	50.0	443887.0	2.071509	Y
5	IC 180-399329/11	100.0	209.007965	50.0	476828.0	2.09008	Y
6	IC 180-399329/12	175.0	319.281215	50.0	510375.0	1.824464	Y
7	IC 180-399329/13	200.0	381.126825	50.0	486606.0	1.905634	Y
8	IC 180-399329/14	250.0	482.505322	50.0	517686.0	1.930021	Y



Calibration / 2-Chlorotoluene

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

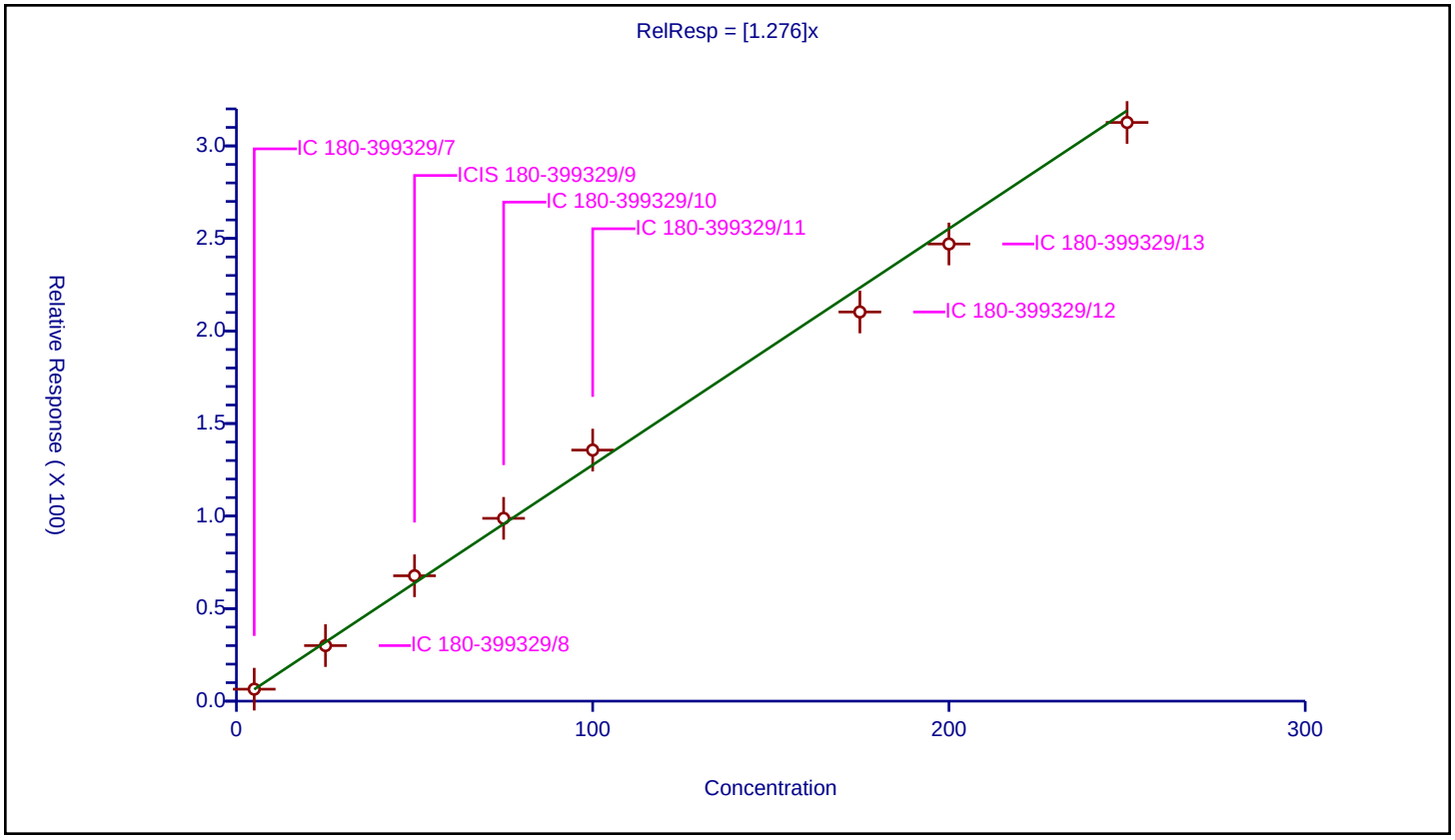
Curve Coefficients

Intercept:	0
Slope:	1.276

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	5.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	6.4715	50.0	396191.0	1.2943	Y
2	IC 180-399329/8	25.0	30.008686	50.0	452474.0	1.200347	Y
3	ICIS 180-399329/9	50.0	67.744951	50.0	446141.0	1.354899	Y
4	IC 180-399329/10	75.0	98.764325	50.0	443887.0	1.316858	Y
5	IC 180-399329/11	100.0	135.660658	50.0	476828.0	1.356607	Y
6	IC 180-399329/12	175.0	210.274406	50.0	510375.0	1.201568	Y
7	IC 180-399329/13	200.0	247.009285	50.0	486606.0	1.235046	Y
8	IC 180-399329/14	250.0	312.66115	50.0	517686.0	1.250645	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

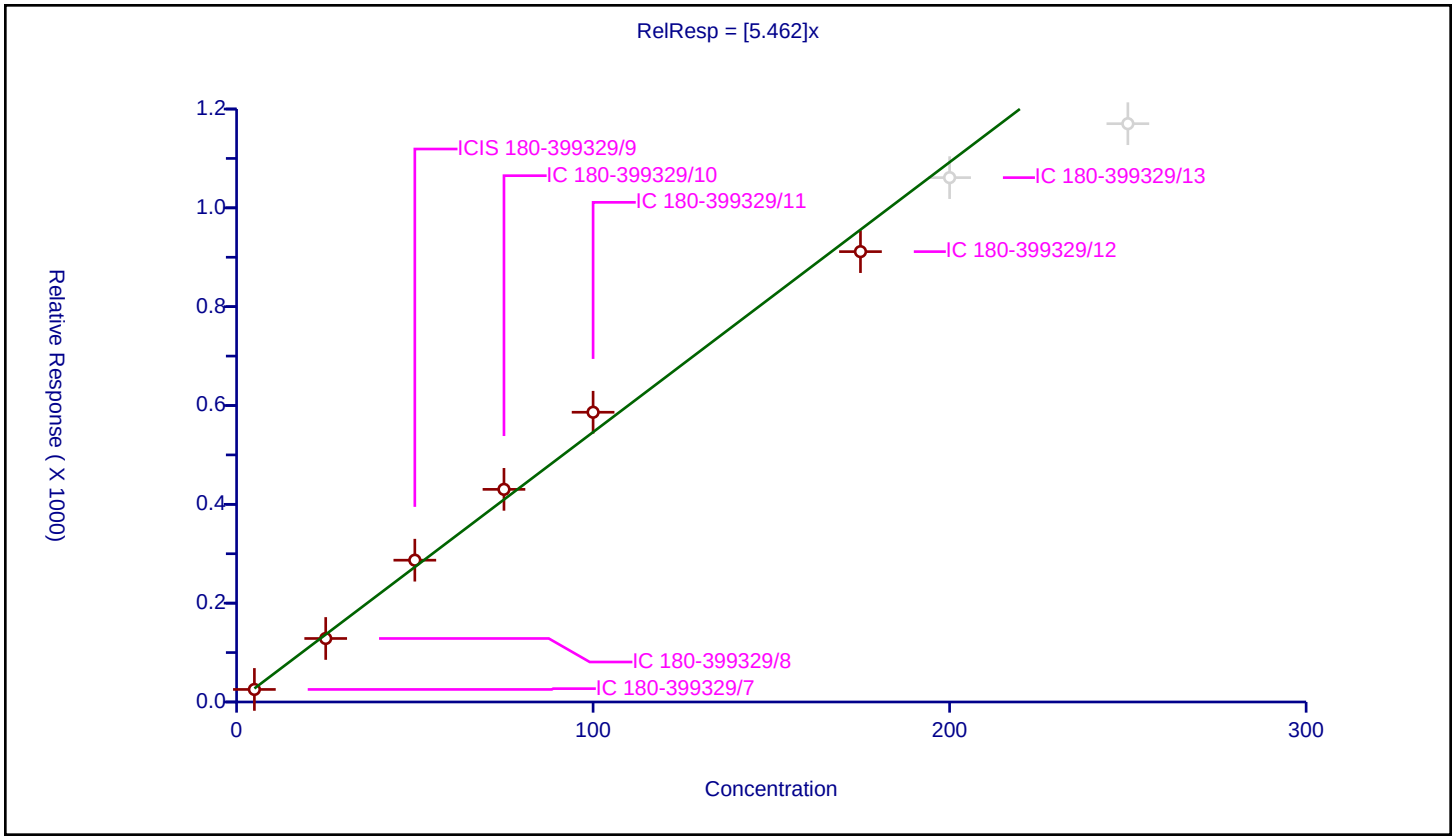
Curve Coefficients

Intercept:	0
Slope:	5.462

Error Coefficients

Standard Error:	5300000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	25.411859	50.0	396191.0	5.082372	Y
2	IC 180-399329/8	25.0	128.501417	50.0	452474.0	5.140057	Y
3	ICIS 180-399329/9	50.0	286.933727	50.0	446141.0	5.738675	Y
4	IC 180-399329/10	75.0	430.317739	50.0	443887.0	5.73757	Y
5	IC 180-399329/11	100.0	586.365734	50.0	476828.0	5.863657	Y
6	IC 180-399329/12	175.0	911.411413	50.0	510375.0	5.208065	Y
7	IC 180-399329/13	200.0	1061.159439	50.0	486606.0	5.305797	N
8	IC 180-399329/14	250.0	1170.333175	50.0	517686.0	4.681333	N



Calibration / 4-Chlorotoluene

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

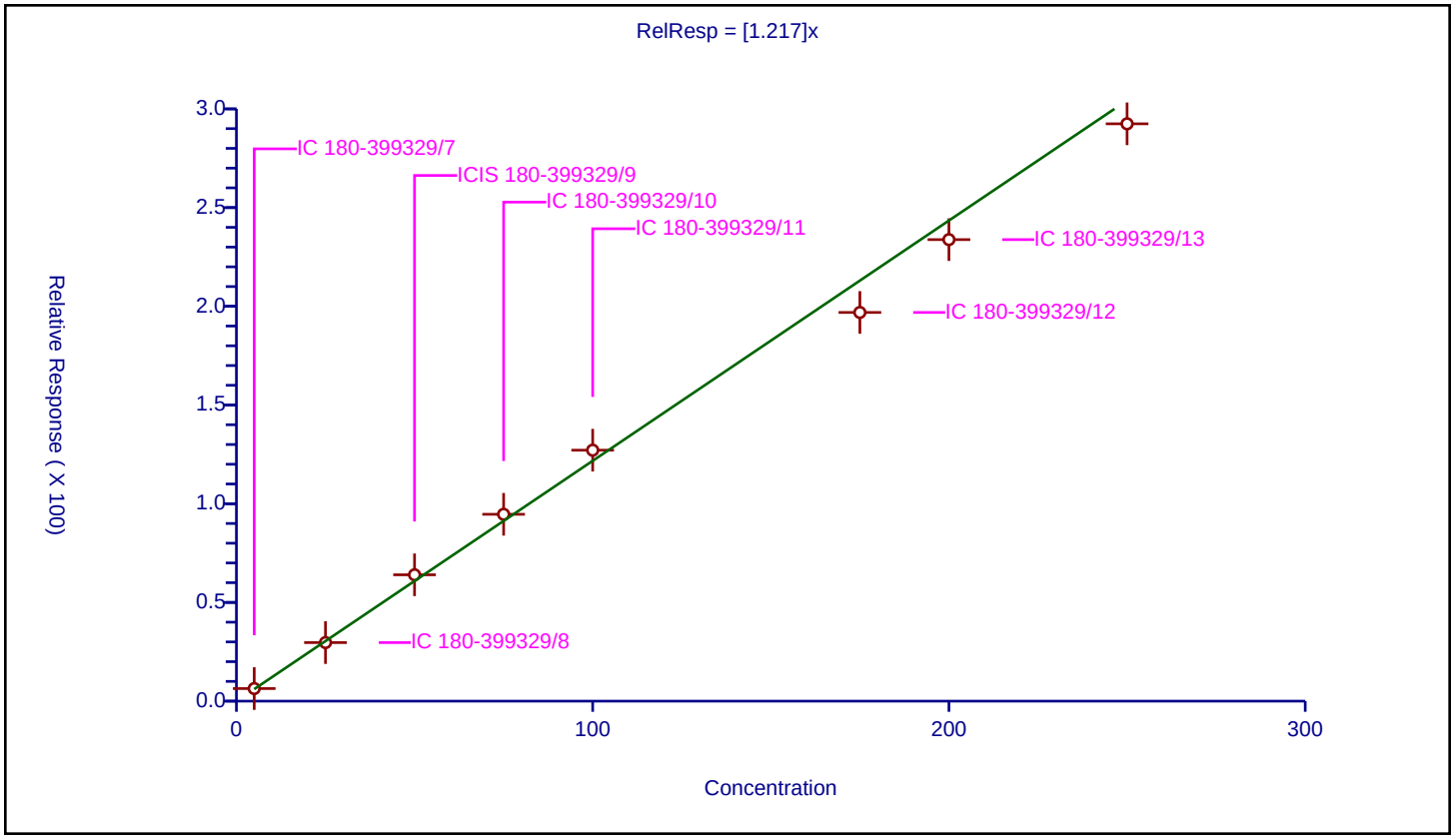
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	6.373062	50.0	396191.0	1.274612	Y
2	IC 180-399329/8	25.0	29.656732	50.0	452474.0	1.186269	Y
3	ICIS 180-399329/9	50.0	63.9958	50.0	446141.0	1.279916	Y
4	IC 180-399329/10	75.0	94.643231	50.0	443887.0	1.26191	Y
5	IC 180-399329/11	100.0	127.123093	50.0	476828.0	1.271231	Y
6	IC 180-399329/12	175.0	196.883272	50.0	510375.0	1.125047	Y
7	IC 180-399329/13	200.0	233.785753	50.0	486606.0	1.168929	Y
8	IC 180-399329/14	250.0	292.448318	50.0	517686.0	1.169793	Y



Calibration / tert-Butylbenzene

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

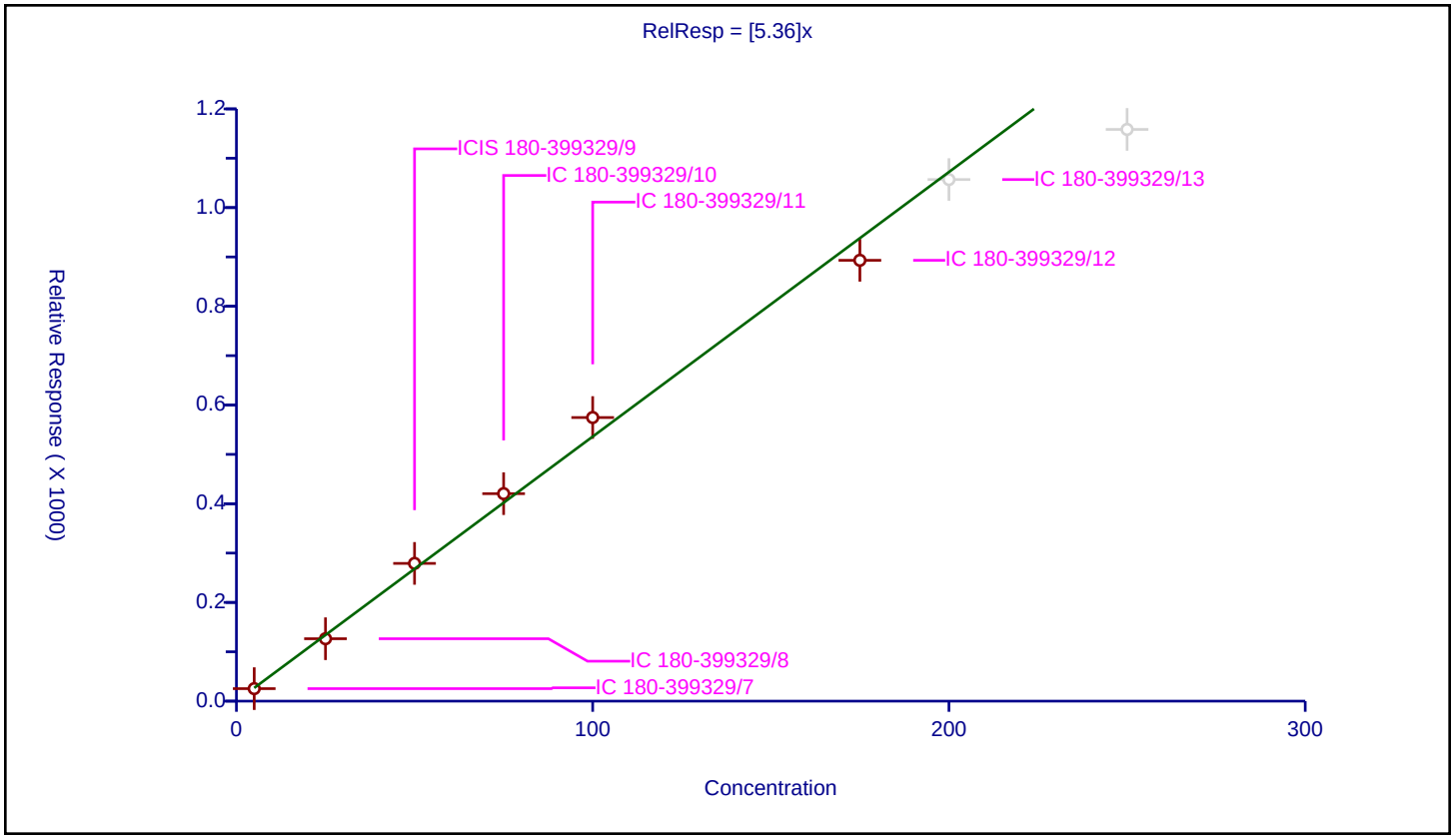
Curve Coefficients

Intercept:	0
Slope:	5.36

Error Coefficients

Standard Error:	5190000
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 180-399329/7	5.0	25.324654	50.0	396191.0	5.064931	Y
2	IC 180-399329/8	25.0	126.476659	50.0	452474.0	5.059066	Y
3	ICIS 180-399329/9	50.0	279.080044	50.0	446141.0	5.581601	Y
4	IC 180-399329/10	75.0	420.441238	50.0	443887.0	5.605883	Y
5	IC 180-399329/11	100.0	574.658577	50.0	476828.0	5.746586	Y
6	IC 180-399329/12	175.0	893.226941	50.0	510375.0	5.104154	Y
7	IC 180-399329/13	200.0	1056.814754	50.0	486606.0	5.284074	N
8	IC 180-399329/14	250.0	1158.378052	50.0	517686.0	4.633512	N



Calibration / 1,2,4-Trimethylbenzene

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

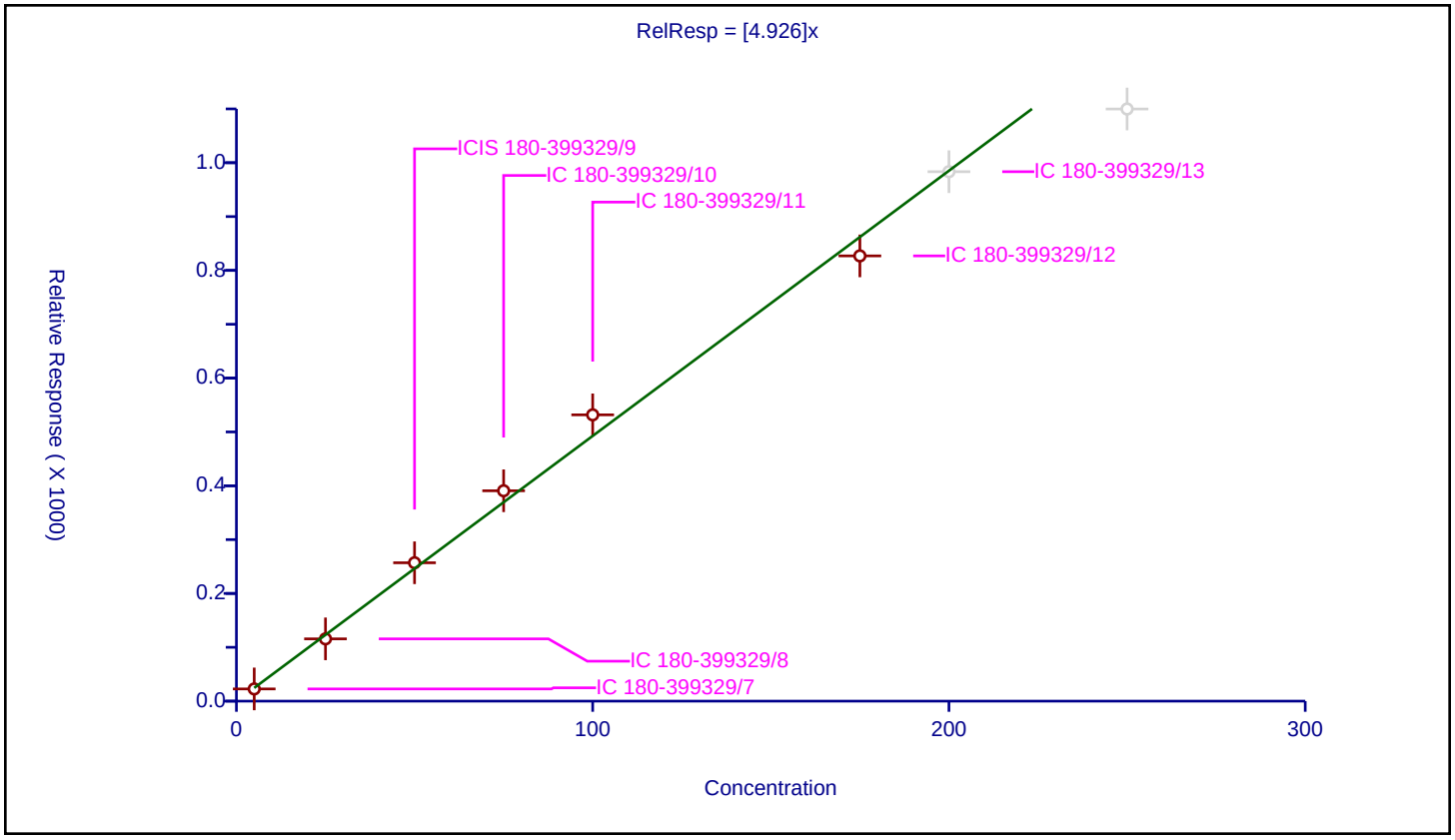
Curve Coefficients

Intercept:	0
Slope:	4.926

Error Coefficients

Standard Error:	4800000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	22.667981	50.0	396191.0	4.533596	Y
2	IC 180-399329/8	25.0	115.672171	50.0	452474.0	4.626887	Y
3	ICIS 180-399329/9	50.0	257.010676	50.0	446141.0	5.140214	Y
4	IC 180-399329/10	75.0	390.712726	50.0	443887.0	5.209503	Y
5	IC 180-399329/11	100.0	531.755266	50.0	476828.0	5.317553	Y
6	IC 180-399329/12	175.0	826.98986	50.0	510375.0	4.725656	Y
7	IC 180-399329/13	200.0	983.348438	50.0	486606.0	4.916742	N
8	IC 180-399329/14	250.0	1099.81823	50.0	517686.0	4.399273	N



Calibration / sec-Butylbenzene

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

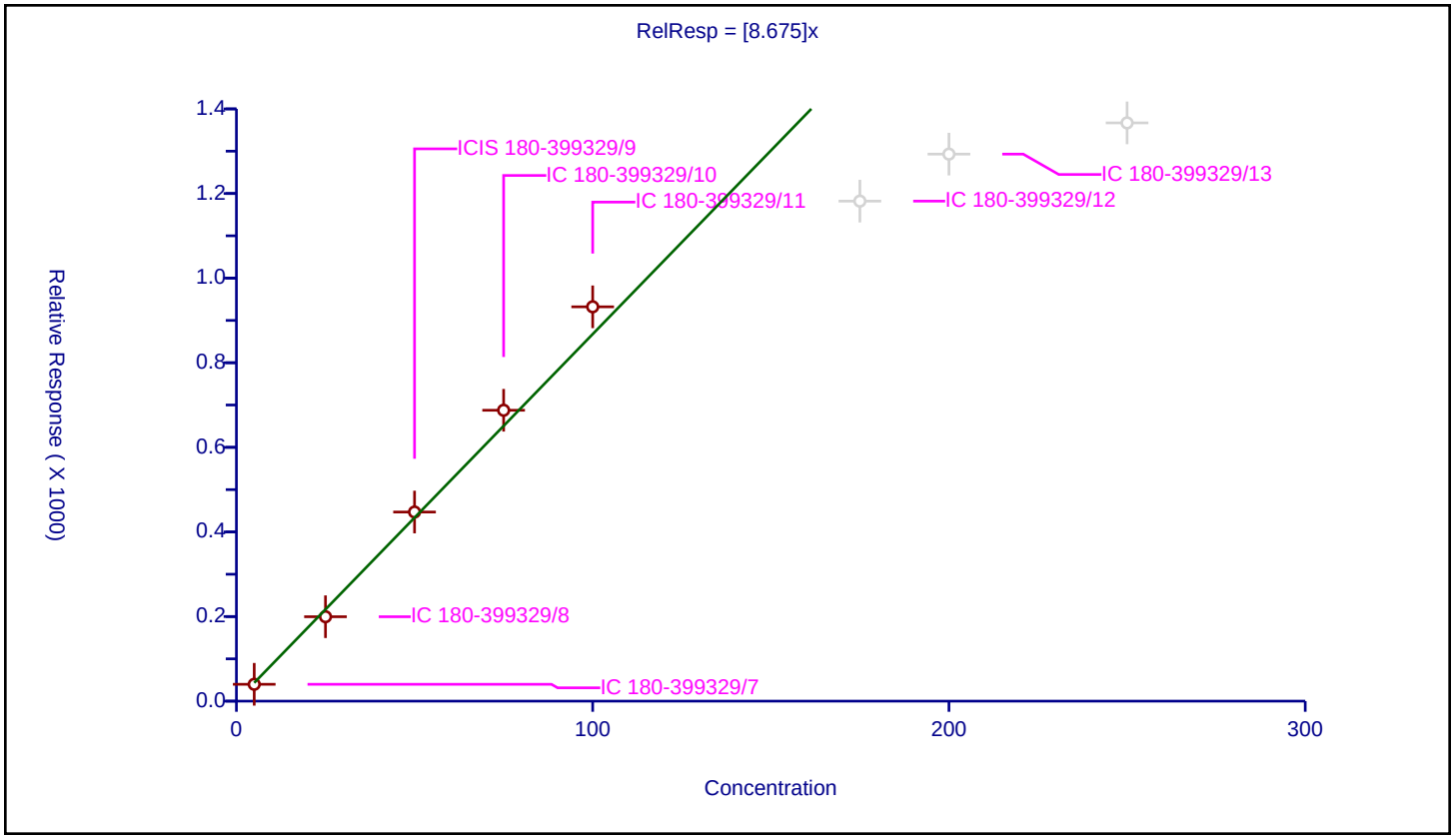
Curve Coefficients

Intercept:	0
Slope:	8.675

Error Coefficients

Standard Error:	5820000
Relative Standard Error:	7.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	39.821576	50.0	396191.0	7.964315	Y
2	IC 180-399329/8	25.0	199.549256	50.0	452474.0	7.98197	Y
3	ICIS 180-399329/9	50.0	447.071554	50.0	446141.0	8.941431	Y
4	IC 180-399329/10	75.0	687.628946	50.0	443887.0	9.168386	Y
5	IC 180-399329/11	100.0	932.116822	50.0	476828.0	9.321168	Y
6	IC 180-399329/12	175.0	1181.965222	50.0	510375.0	6.754087	N
7	IC 180-399329/13	200.0	1293.12154	50.0	486606.0	6.465608	N
8	IC 180-399329/14	250.0	1366.877316	50.0	517686.0	5.467509	N



Calibration / 1,3-Dichlorobenzene

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

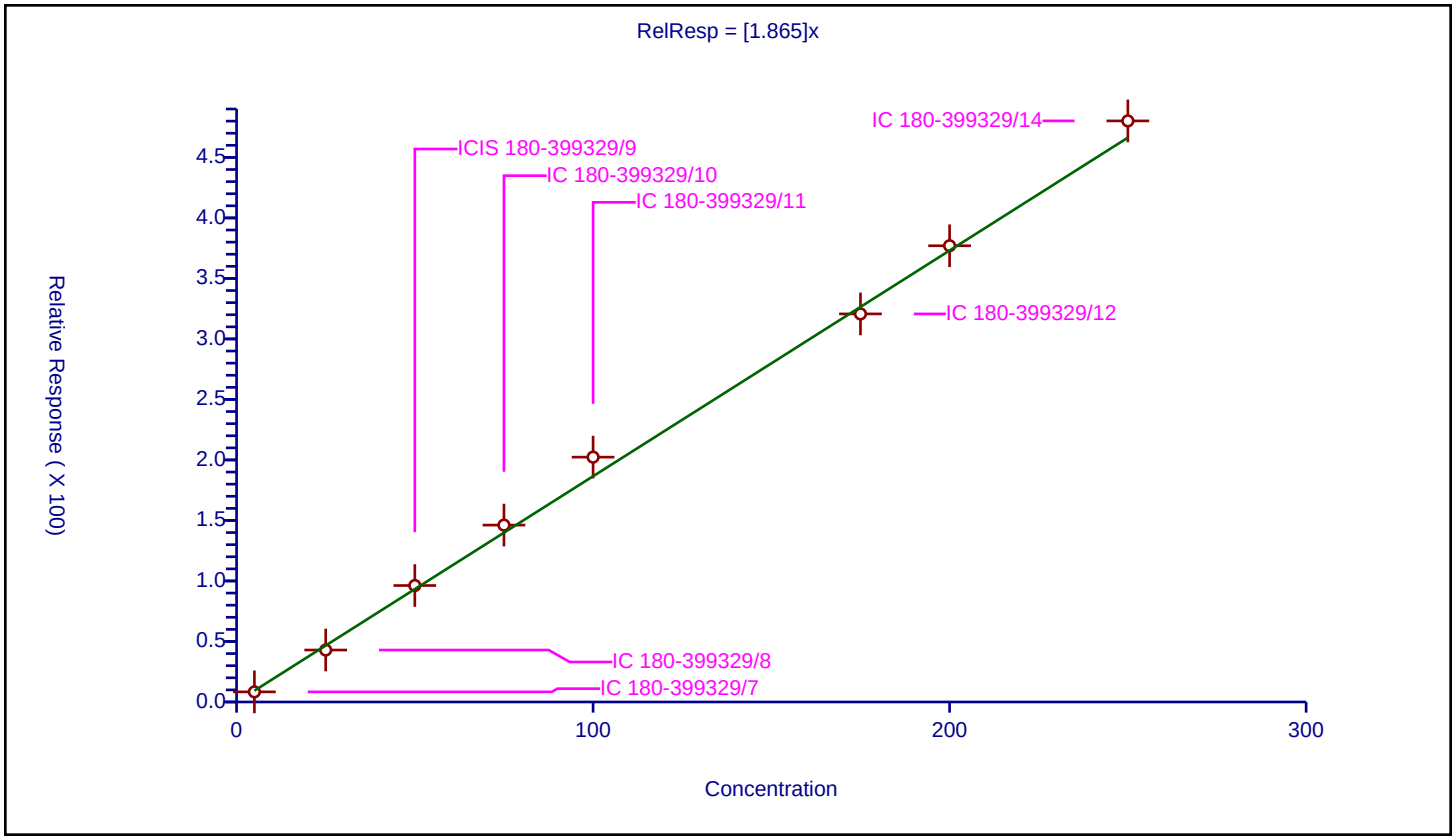
Curve Coefficients

Intercept:	0
Slope:	1.865

Error Coefficients

Standard Error:	2810000
Relative Standard Error:	6.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	8.352411	50.0	396191.0	1.670482	Y
2	IC 180-399329/8	25.0	42.935174	50.0	452474.0	1.717407	Y
3	ICIS 180-399329/9	50.0	96.242219	50.0	446141.0	1.924844	Y
4	IC 180-399329/10	75.0	146.165015	50.0	443887.0	1.948867	Y
5	IC 180-399329/11	100.0	202.324528	50.0	476828.0	2.023245	Y
6	IC 180-399329/12	175.0	320.673622	50.0	510375.0	1.832421	Y
7	IC 180-399329/13	200.0	376.999564	50.0	486606.0	1.884998	Y
8	IC 180-399329/14	250.0	480.16481	50.0	517686.0	1.920659	Y



Calibration / 4-Isopropyltoluene

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

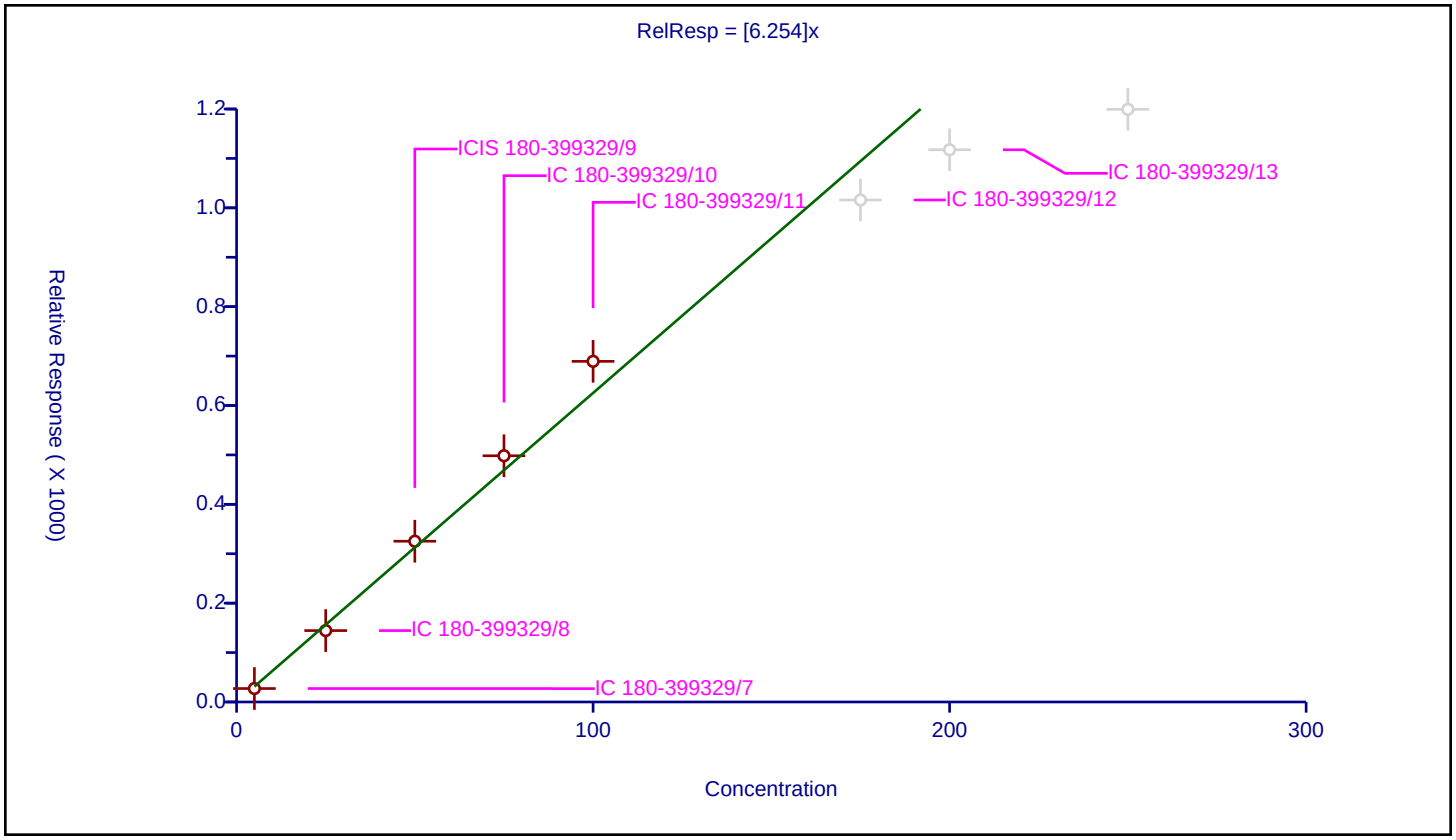
Curve Coefficients

Intercept:	0
Slope:	6.254

Error Coefficients

Standard Error:	4270000
Relative Standard Error:	9.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	27.225883	50.0	396191.0	5.445177	Y
2	IC 180-399329/8	25.0	144.481782	50.0	452474.0	5.779271	Y
3	ICIS 180-399329/9	50.0	325.350394	50.0	446141.0	6.507008	Y
4	IC 180-399329/10	75.0	498.272421	50.0	443887.0	6.643632	Y
5	IC 180-399329/11	100.0	689.337036	50.0	476828.0	6.89337	Y
6	IC 180-399329/12	175.0	1015.860397	50.0	510375.0	5.804917	N
7	IC 180-399329/13	200.0	1117.549414	50.0	486606.0	5.587747	N
8	IC 180-399329/14	250.0	1199.325363	50.0	517686.0	4.797301	N



Calibration / 1,4-Dichlorobenzene

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

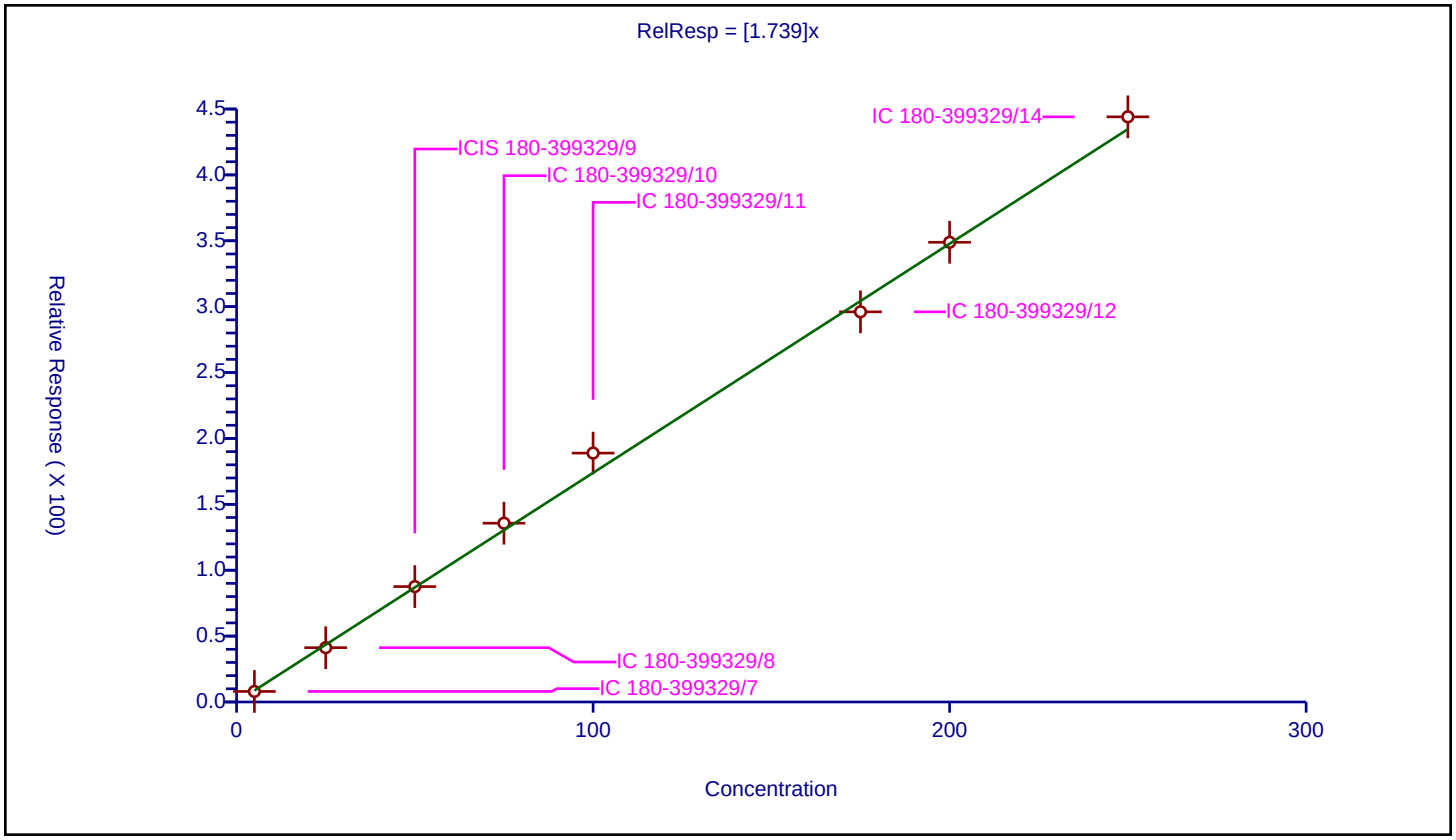
Curve Coefficients

Intercept:	0
Slope:	1.739

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	8.002201	50.0	396191.0	1.60044	Y
2	IC 180-399329/8	25.0	41.203914	50.0	452474.0	1.648157	Y
3	ICIS 180-399329/9	50.0	87.570185	50.0	446141.0	1.751404	Y
4	IC 180-399329/10	75.0	135.686447	50.0	443887.0	1.809153	Y
5	IC 180-399329/11	100.0	188.879953	50.0	476828.0	1.8888	Y
6	IC 180-399329/12	175.0	296.071222	50.0	510375.0	1.691836	Y
7	IC 180-399329/13	200.0	348.861707	50.0	486606.0	1.744309	Y
8	IC 180-399329/14	250.0	444.080195	50.0	517686.0	1.776321	Y



Calibration / n-Butylbenzene

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

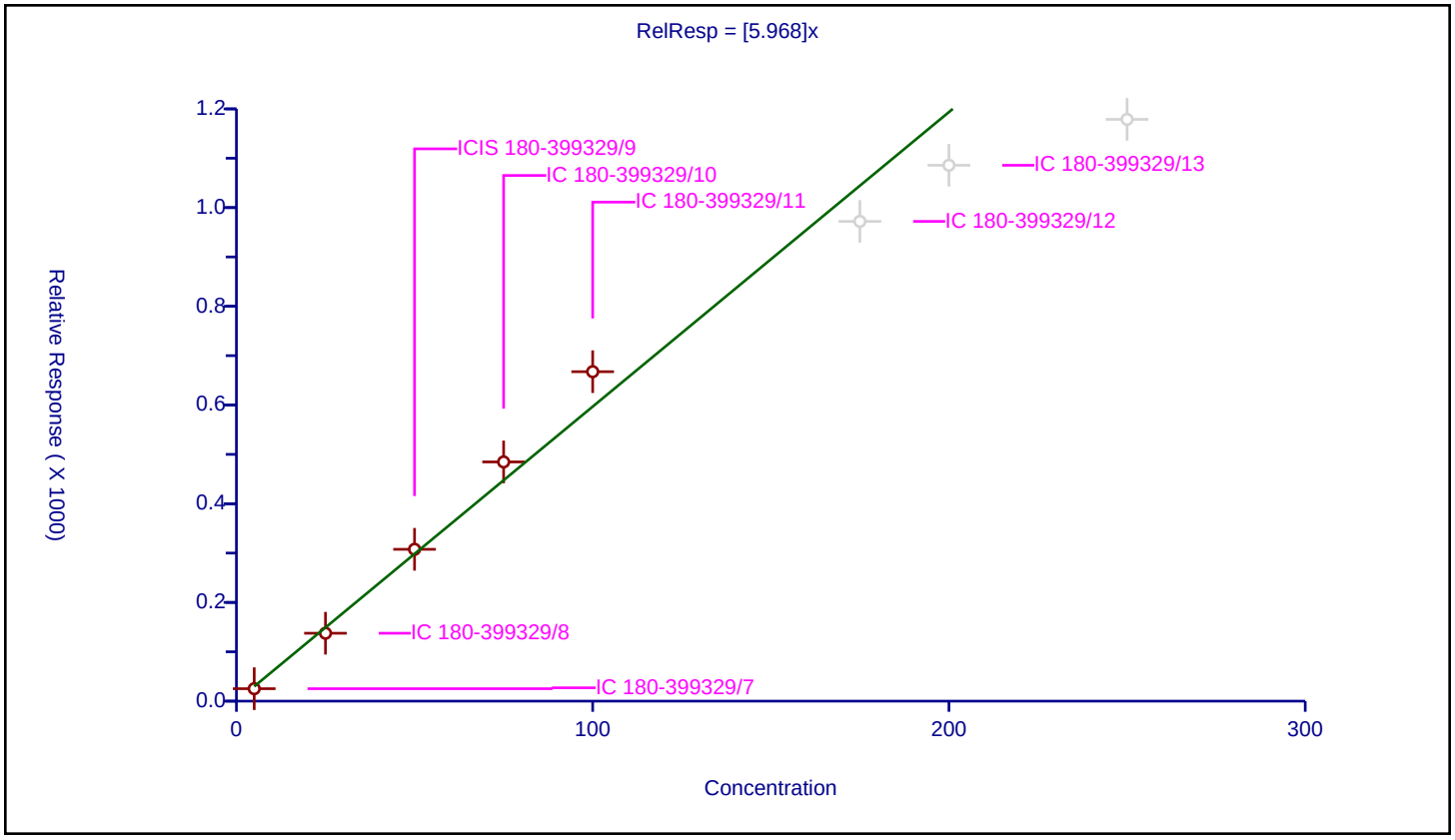
Curve Coefficients

Intercept:	0
Slope:	5.968

Error Coefficients

Standard Error:	4130000
Relative Standard Error:	11.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	25.222557	50.0	396191.0	5.044511	Y
2	IC 180-399329/8	25.0	137.563705	50.0	452474.0	5.502548	Y
3	ICIS 180-399329/9	50.0	307.653074	50.0	446141.0	6.153061	Y
4	IC 180-399329/10	75.0	484.702976	50.0	443887.0	6.462706	Y
5	IC 180-399329/11	100.0	667.543433	50.0	476828.0	6.675434	Y
6	IC 180-399329/12	175.0	972.02459	50.0	510375.0	5.554426	N
7	IC 180-399329/13	200.0	1085.766	50.0	486606.0	5.42883	N
8	IC 180-399329/14	250.0	1178.750343	50.0	517686.0	4.715001	N



Calibration / 1,2-Dichlorobenzene

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

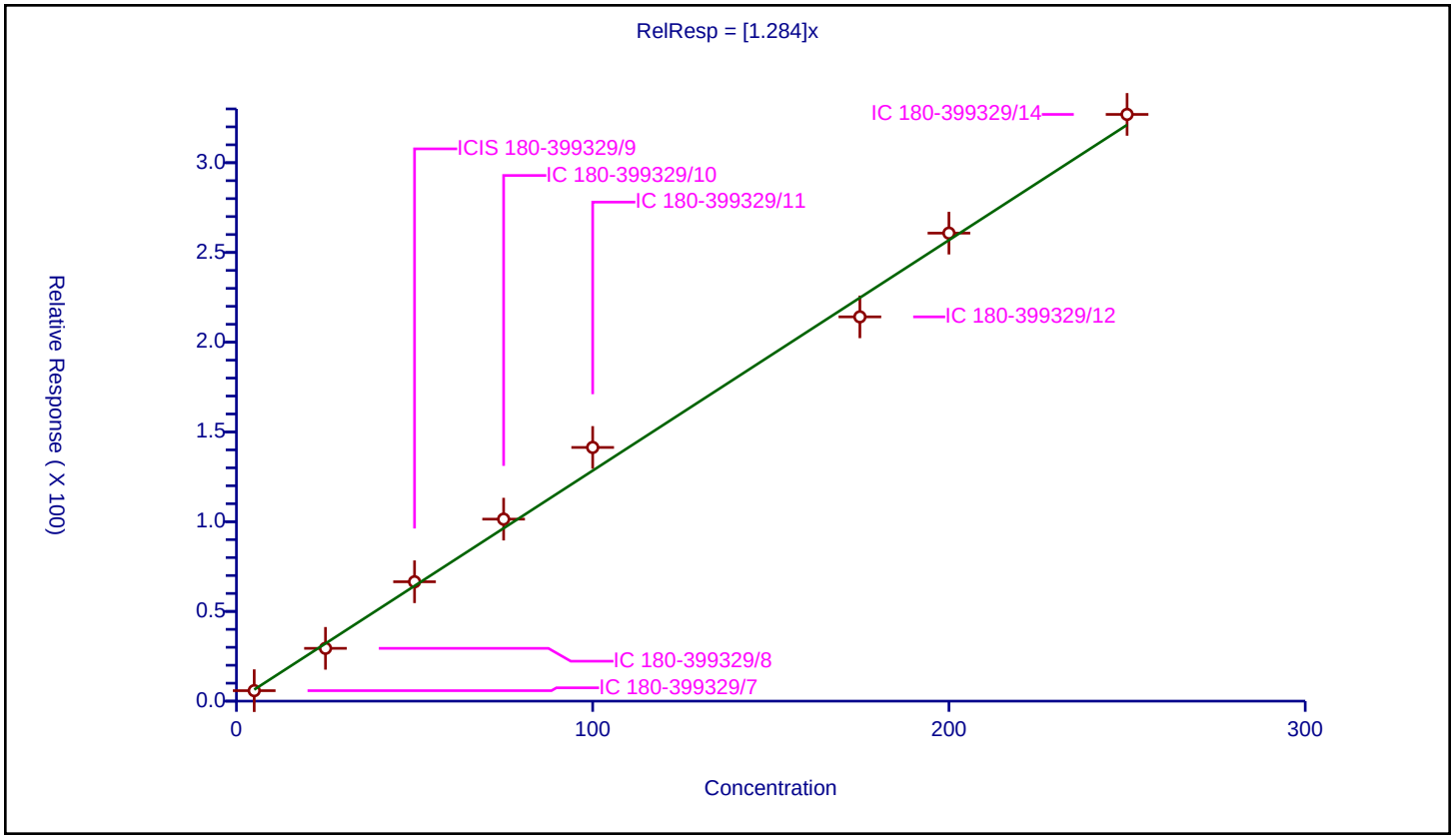
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	6.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	5.836831	50.0	396191.0	1.167366	Y
2	IC 180-399329/8	25.0	29.415392	50.0	452474.0	1.176616	Y
3	ICIS 180-399329/9	50.0	66.519553	50.0	446141.0	1.330391	Y
4	IC 180-399329/10	75.0	101.410044	50.0	443887.0	1.352134	Y
5	IC 180-399329/11	100.0	141.355688	50.0	476828.0	1.413557	Y
6	IC 180-399329/12	175.0	214.11952	50.0	510375.0	1.22354	Y
7	IC 180-399329/13	200.0	260.765075	50.0	486606.0	1.303825	Y
8	IC 180-399329/14	250.0	326.930707	50.0	517686.0	1.307723	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

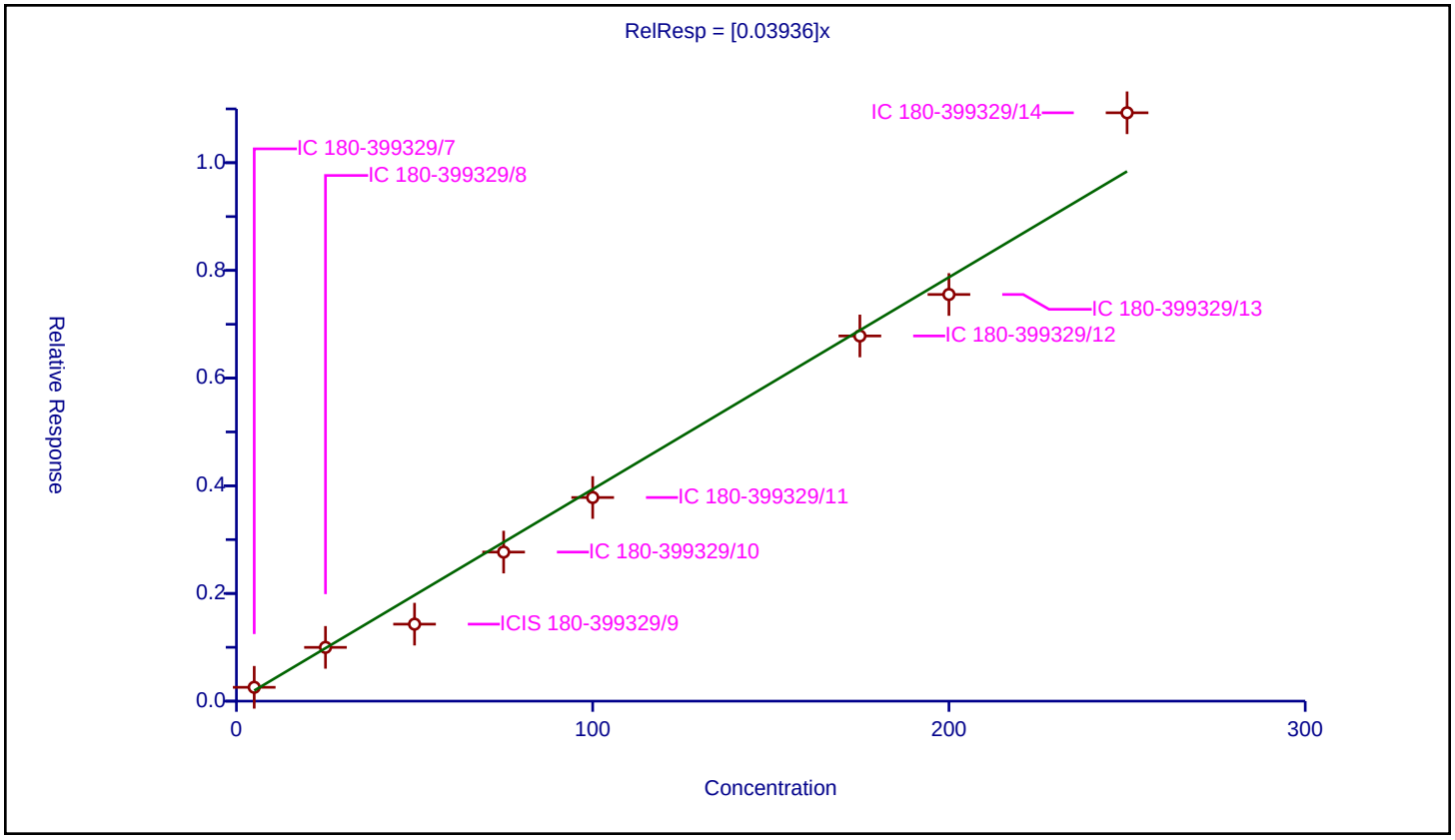
Curve Coefficients

Intercept:	0
Slope:	0.03936

Error Coefficients

Standard Error:	59900
Relative Standard Error:	16.4
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	0.256821	50.0	396191.0	0.051364	Y
2	IC 180-399329/8	25.0	0.998621	50.0	452474.0	0.039945	Y
3	ICIS 180-399329/9	50.0	1.430041	50.0	446141.0	0.028601	Y
4	IC 180-399329/10	75.0	2.768497	50.0	443887.0	0.036913	Y
5	IC 180-399329/11	100.0	3.782286	50.0	476828.0	0.037823	Y
6	IC 180-399329/12	175.0	6.78266	50.0	510375.0	0.038758	Y
7	IC 180-399329/13	200.0	7.552825	50.0	486606.0	0.037764	Y
8	IC 180-399329/14	250.0	10.92757	50.0	517686.0	0.04371	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

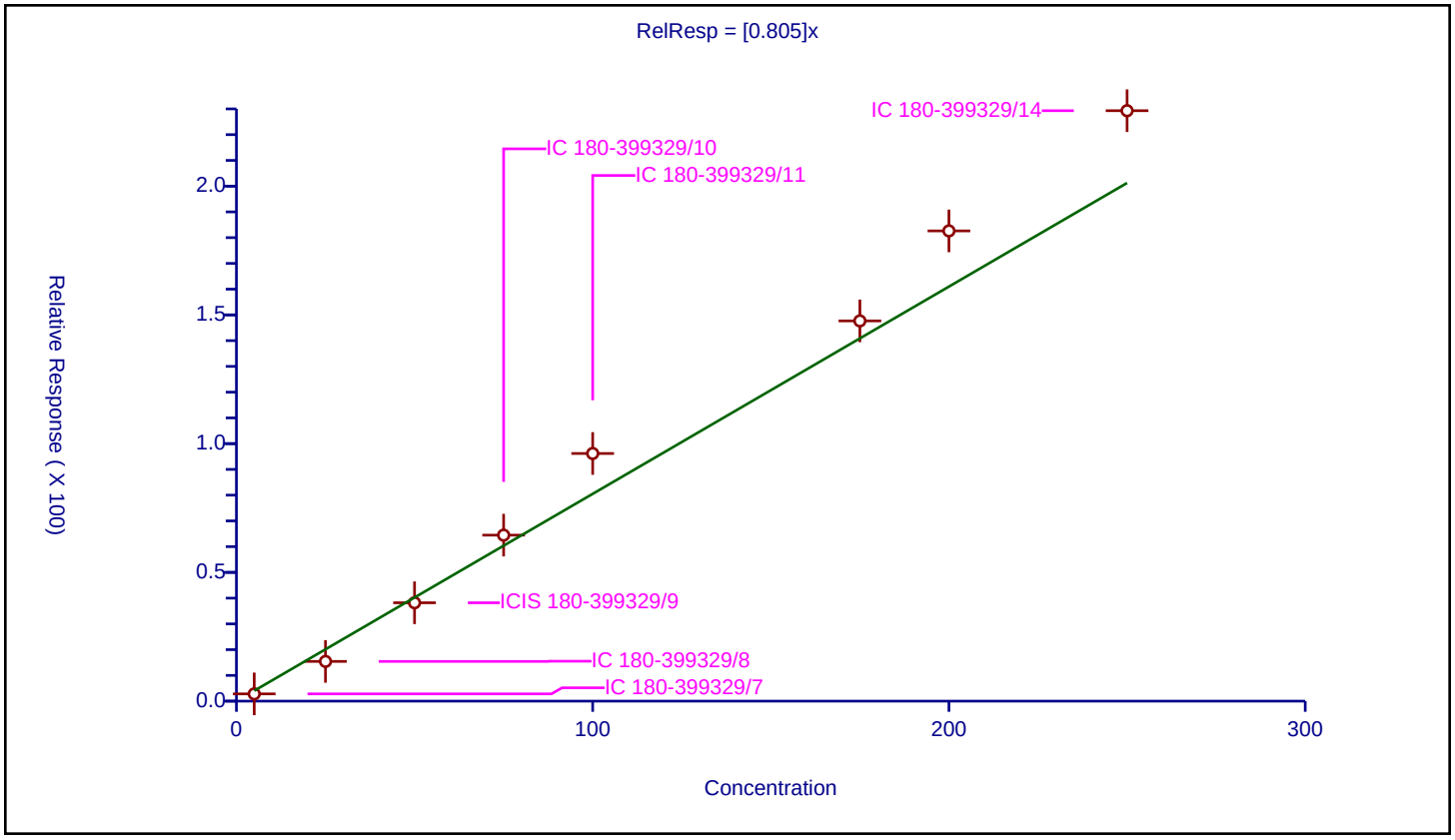
Curve Coefficients

Intercept:	0
Slope:	0.805

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	18.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.816445	50.0	396191.0	0.563289	Y
2	IC 180-399329/8	25.0	15.421991	50.0	452474.0	0.61688	Y
3	ICIS 180-399329/9	50.0	38.205186	50.0	446141.0	0.764104	Y
4	IC 180-399329/10	75.0	64.463253	50.0	443887.0	0.85951	Y
5	IC 180-399329/11	100.0	96.175141	50.0	476828.0	0.961751	Y
6	IC 180-399329/12	175.0	147.669263	50.0	510375.0	0.843824	Y
7	IC 180-399329/13	200.0	182.621464	50.0	486606.0	0.913107	Y
8	IC 180-399329/14	250.0	229.298841	50.0	517686.0	0.917195	Y



Calibration / Hexachlorobutadiene

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

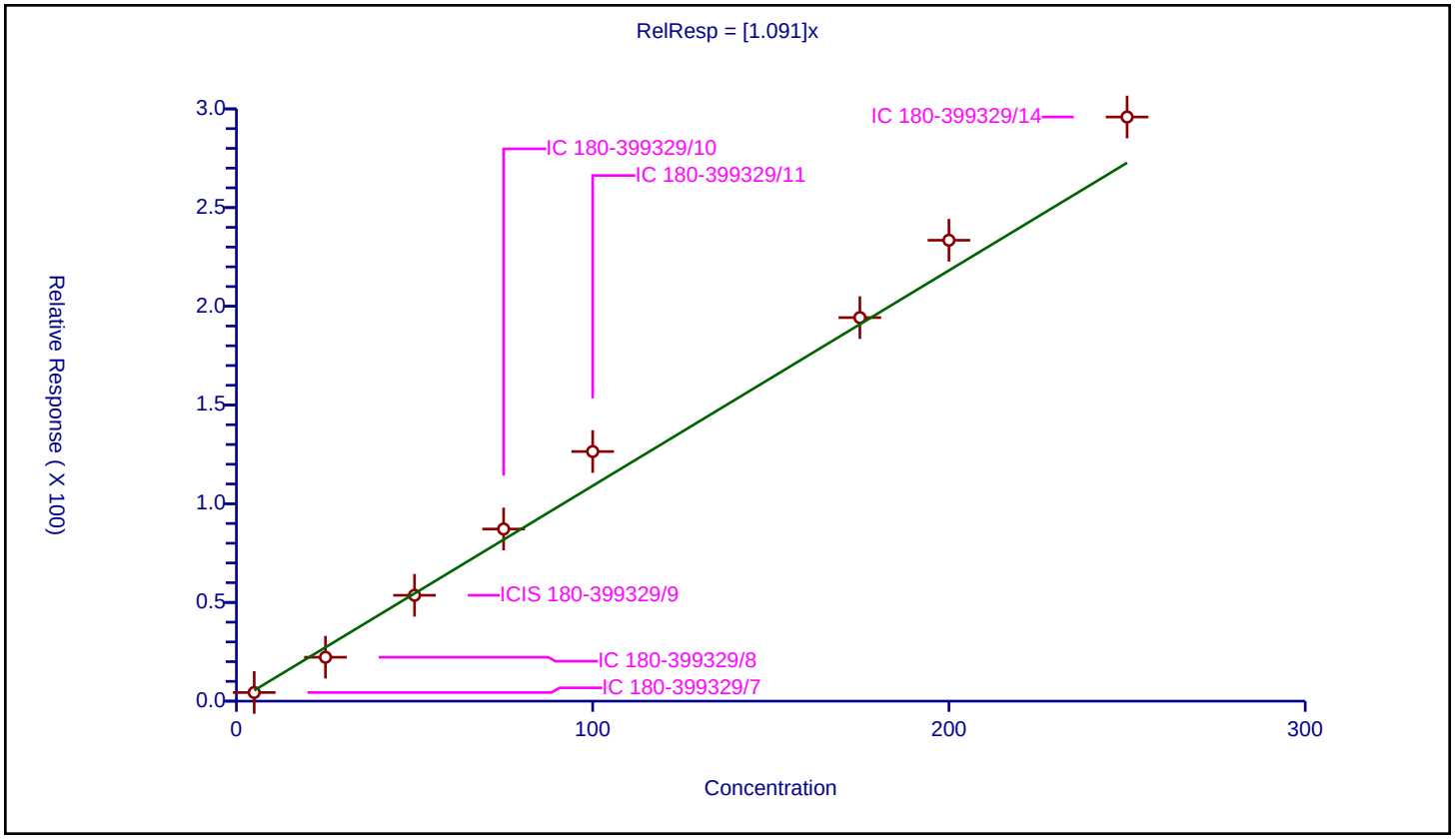
Curve Coefficients

Intercept:	0
Slope:	1.091

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	12.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	4.38223	50.0	396191.0	0.876446	Y
2	IC 180-399329/8	25.0	22.237631	50.0	452474.0	0.889505	Y
3	ICIS 180-399329/9	50.0	53.621613	50.0	446141.0	1.072432	Y
4	IC 180-399329/10	75.0	87.182999	50.0	443887.0	1.16244	Y
5	IC 180-399329/11	100.0	126.433011	50.0	476828.0	1.26433	Y
6	IC 180-399329/12	175.0	194.276953	50.0	510375.0	1.110154	Y
7	IC 180-399329/13	200.0	233.462699	50.0	486606.0	1.167313	Y
8	IC 180-399329/14	250.0	295.886503	50.0	517686.0	1.183546	Y



Calibration / Naphthalene

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

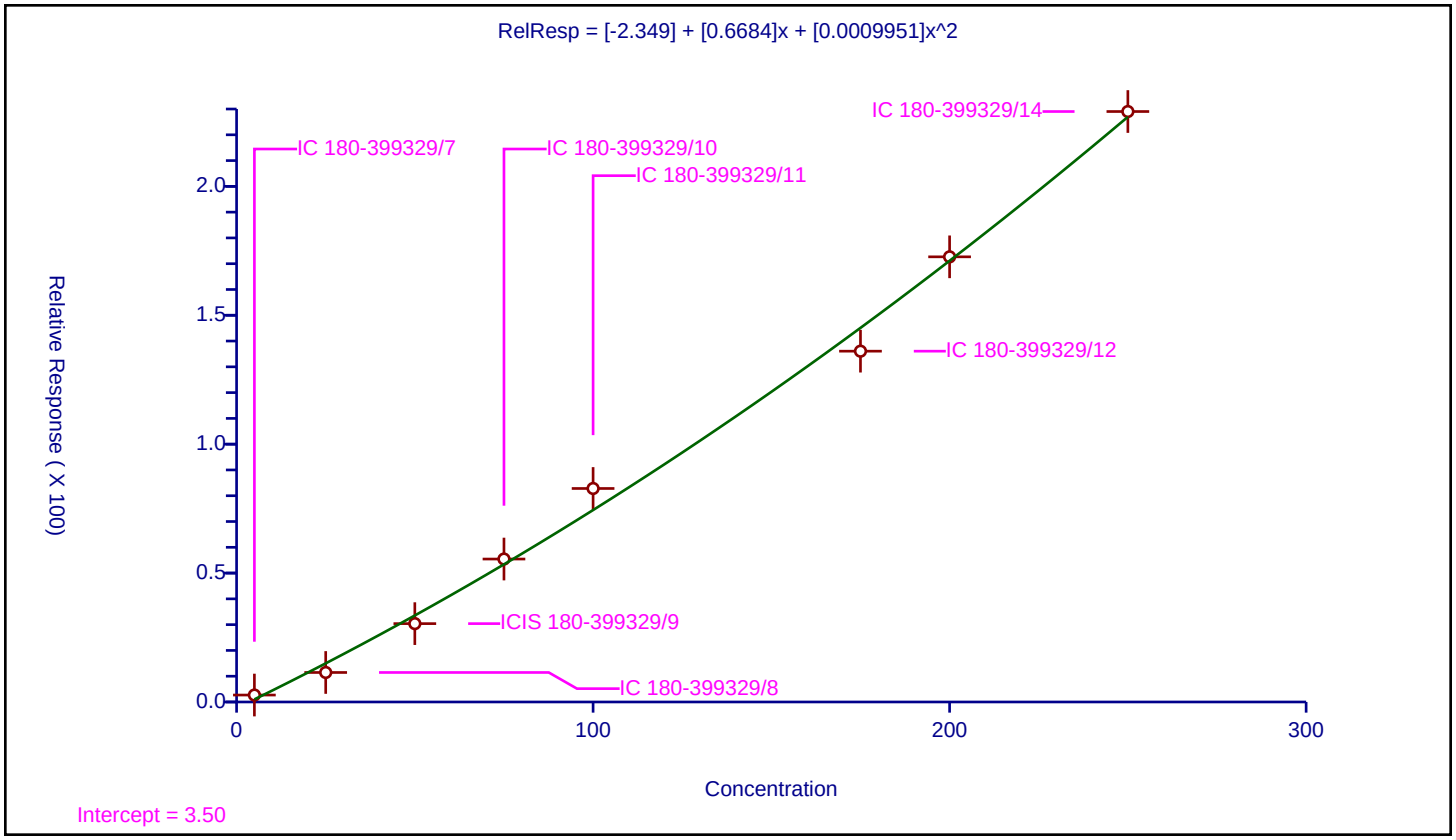
Curve Coefficients

Intercept:	-2.349
Slope:	0.6684
Second Order:	0.0009951

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	24.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	2.699456	50.0	396191.0	0.539891	Y
2	IC 180-399329/8	25.0	11.446072	50.0	452474.0	0.457843	Y
3	ICIS 180-399329/9	50.0	30.393642	50.0	446141.0	0.607873	Y
4	IC 180-399329/10	75.0	55.446093	50.0	443887.0	0.739281	Y
5	IC 180-399329/11	100.0	82.812461	50.0	476828.0	0.828125	Y
6	IC 180-399329/12	175.0	136.072888	50.0	510375.0	0.777559	Y
7	IC 180-399329/13	200.0	172.663305	50.0	486606.0	0.863317	Y
8	IC 180-399329/14	250.0	229.030435	50.0	517686.0	0.916122	Y



Calibration / 1,2,3-Trichlorobenzene

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

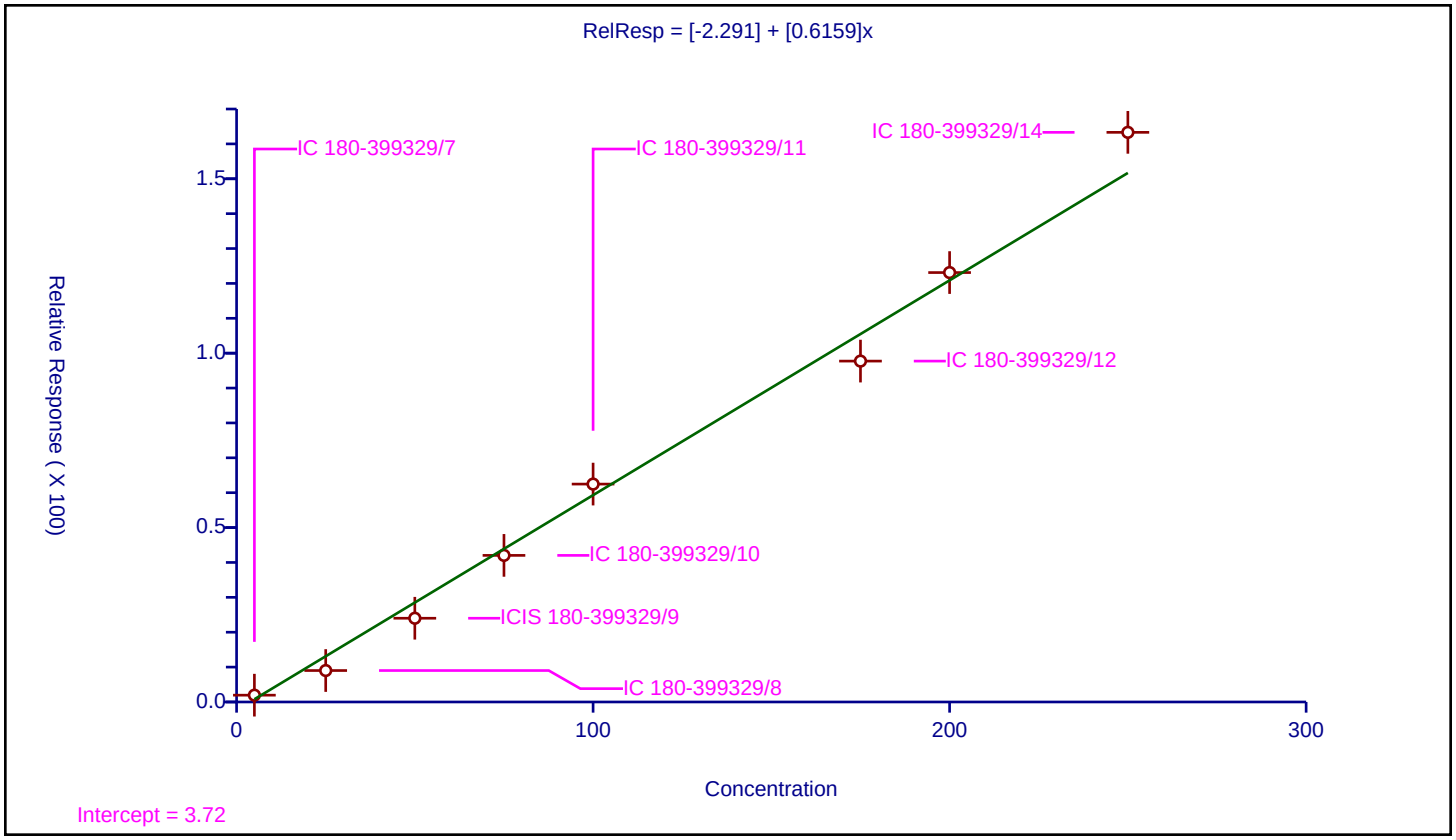
Curve Coefficients

Intercept:	-2.291
Slope:	0.6159

Error Coefficients

Standard Error:	986000
Relative Standard Error:	20.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-399329/7	5.0	1.954739	50.0	396191.0	0.390948	Y
2	IC 180-399329/8	25.0	9.015435	50.0	452474.0	0.360617	Y
3	ICIS 180-399329/9	50.0	24.00945	50.0	446141.0	0.480189	Y
4	IC 180-399329/10	75.0	42.030291	50.0	443887.0	0.560404	Y
5	IC 180-399329/11	100.0	62.472737	50.0	476828.0	0.624727	Y
6	IC 180-399329/12	175.0	97.728337	50.0	510375.0	0.558448	Y
7	IC 180-399329/13	200.0	123.114696	50.0	486606.0	0.615573	Y
8	IC 180-399329/14	250.0	163.309033	50.0	517686.0	0.653236	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-407435/2 Calibration Date: 08/04/2022 10:21

Instrument ID: CHHP9 Calib Start Date: 05/19/2022 11:20

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/19/2022 13:50

Lab File ID: 9080402.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	0.6785	0.4249	0.1000	6.26	10.0	-37.4*	20.0
Chloromethane	Ave	0.6503	0.5692	0.1000	8.75	10.0	-12.5	20.0
Vinyl chloride	Ave	0.7015	0.6759	0.1000	9.64	10.0	-3.6	20.0
1,3-Butadiene	Ave	0.6959	0.6422	0.0100	9.23	10.0	-7.7	20.0
Bromomethane	Ave	0.2199	0.2528	0.0500	11.5	10.0	15.0	20.0
Chloroethane	Ave	0.3102	0.4137	0.0500	13.3	10.0	33.3*	20.0
Dichlorofluoromethane	Ave	0.6794	1.009	0.0100	14.9	10.0	48.5*	20.0
Trichlorofluoromethane	Ave	0.7234	0.9619	0.1000	13.3	10.0	33.0*	20.0
Ethyl ether	Ave	0.1360	0.1582	0.0100	11.6	10.0	16.3	20.0
1,1-Dichloroethene	Ave	0.3565	0.4398	0.1000	12.3	10.0	23.3*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4067	0.5207	0.1000	12.8	10.0	28.0*	20.0
Acetone	Lin2		0.1081	0.0500	12.9	10.0	28.7*	20.0
Iodomethane	Lin2		0.3417	0.0100	13.1	10.0	30.6*	20.0
Carbon disulfide	Ave	1.230	1.333	0.1000	10.8	10.0	8.4	20.0
Allyl chloride	Ave	0.1886	0.2210	0.0100	11.7	10.0	17.2	20.0
Methyl acetate	Lin2		0.0771*	0.1000	27.0	20.0	35.2*	20.0
Methylene Chloride	Lin2		0.3316	0.1000	15.4	10.0	54.0*	20.0
tert-Butyl alcohol	Ave	1.352	1.232	0.0100	91.1	100	-8.9	20.0
Acrylonitrile	Ave	0.0273	0.0364	0.0100	133	100	33.1*	20.0
trans-1,2-Dichloroethene	Ave	0.3301	0.4478	0.1000	13.6	10.0	35.6*	20.0
Methyl tert-butyl ether	Ave	0.3202	0.3130	0.1000	9.77	10.0	-2.3	20.0
Hexane	Ave	1.211	1.227	0.0100	10.1	10.0	1.3	20.0
1,1-Dichloroethane	Ave	0.6450	0.7050	0.2000	10.9	10.0	9.3	20.0
2,2-Dichloropropane	Ave	0.6502	0.5500	0.0100	8.46	10.0	-15.4	20.0
cis-1,2-Dichloroethene	Ave	0.2650	0.2830	0.1000	10.7	10.0	6.8	20.0
2-Butanone (MEK)	Ave	0.0608	0.0691	0.0500	11.4	10.0	13.7	20.0
Chlorobromomethane	Ave	0.0653	0.0743	0.0100	11.4	10.0	13.7	20.0
Tetrahydrofuran	Lin2		0.0136	0.0100	9.53	20.0	-52.4*	20.0
Chloroform	Ave	0.5156	0.6217	0.2000	12.1	10.0	20.6*	20.0
Cyclohexane	Ave	1.167	0.0012*	0.1000		10.0	-99.9*	20.0
1,1,1-Trichloroethane	Ave	0.6392	0.6383	0.1000	9.98	10.0	-0.2	20.0
Carbon tetrachloride	Ave	0.5501	0.5768	0.1000	10.5	10.0	4.9	20.0
1,1-Dichloropropene	Ave	0.6171	0.5697	0.0100	9.23	10.0	-7.7	20.0
Benzene	Ave	1.237	1.239	0.5000	10.0	10.0	0.2	20.0
1,2-Dichloroethane	Ave	0.2236	0.2663	0.1000	11.9	10.0	19.1	20.0
Isobutyl alcohol	Ave	0.0029	0.0001*	0.0100		250	-94.8*	20.0
n-Heptane	Ave	1.121	0.9130	0.0100	8.14	10.0	-18.6	20.0
Trichloroethene	Ave	0.3505	0.3299	0.2000	9.41	10.0	-5.9	20.0
Methylcyclohexane	Ave	0.9386	0.7926	0.1000	8.44	10.0	-15.6	20.0
1,2-Dichloropropane	Ave	0.2470	0.2403	0.1000	9.73	10.0	-2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-407435/2 Calibration Date: 08/04/2022 10:21

Instrument ID: CHHP9 Calib Start Date: 05/19/2022 11:20

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/19/2022 13:50

Lab File ID: 9080402.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
Dibromomethane	Lin2		0.0678	0.0100	11.8	10.0	17.6	20.0
1,4-Dioxane	Lin2		0.0007*	0.0100	132	200	-34.0*	20.0
Dichlorobromomethane	Ave	0.2304	0.2269	0.2000	9.85	10.0	-1.5	20.0
cis-1,3-Dichloropropene	Ave	0.2564	0.1703*	0.2000	6.64	10.0	-33.6*	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4222	0.4690	0.1000	11.1	10.0	11.1	20.0
Toluene	Ave	7.441	8.131	0.4000	10.9	10.0	9.3	20.0
trans-1,3-Dichloropropene	Ave	0.9919	0.6890	0.1000	6.95	10.0	-30.5*	20.0
Ethyl methacrylate	Ave	0.6289	0.3217	0.0100	5.12	10.0	-48.8*	20.0
1,1,2-Trichloroethane	Ave	0.4891	0.5308	0.1000	10.9	10.0	8.5	20.0
Tetrachloroethene	Ave	1.813	1.982	0.2000	10.9	10.0	9.3	20.0
1,3-Dichloropropane	Ave	0.9422	0.9705	0.0100	10.3	10.0	3.0	20.0
2-Hexanone	Ave	0.4190	0.4198	0.1000	10.0	10.0	0.2	20.0
Chlorodibromomethane	Ave	0.5043	0.4344	0.1000	8.61	10.0	-13.9	20.0
1,2-Dibromoethane	Ave	0.4103	0.4143	0.1000	10.1	10.0	1.0	20.0
Chlorobenzene	Ave	3.635	3.978	0.5000	10.9	10.0	9.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9918	0.9730	0.0100	9.81	10.0	-1.9	20.0
Ethylbenzene	Ave	2.821	3.014	0.1000	10.7	10.0	6.8	20.0
m-Xylene & p-Xylene	Ave	3.413	3.783	0.1000	11.1	10.0	10.8	20.0
o-Xylene	Ave	2.793	2.836	0.3000	10.2	10.0	1.5	20.0
Styrene	Ave	3.572	4.238	0.3000	11.9	10.0	18.6	20.0
Bromoform	Ave	0.2046	0.1540	0.1000	7.53	10.0	-24.7*	20.0
Isopropylbenzene	Ave	9.797	10.38	0.1000	10.6	10.0	5.9	20.0
Bromobenzene	Ave	0.8774	0.6784	0.0100	7.73	10.0	-22.7*	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4469	0.4577	0.3000	10.2	10.0	2.4	20.0
1,2,3-Trichloropropane	Lin2		0.0778	0.0100	7.23	10.0	-27.7*	20.0
N-Propylbenzene	Ave	1.956	1.576	0.0100	8.06	10.0	-19.4	20.0
2-Chlorotoluene	Ave	1.276	1.057	0.0100	8.28	10.0	-17.2	20.0
1,3,5-Trimethylbenzene	Ave	5.462	4.530	0.0100	8.29	10.0	-17.1	20.0
4-Chlorotoluene	Ave	1.217	1.107	0.0100	9.10	10.0	-9.0	20.0
tert-Butylbenzene	Ave	5.360	4.140	0.0100	7.72	10.0	-22.8*	20.0
1,2,4-Trimethylbenzene	Ave	4.926	4.061	0.0100	8.24	10.0	-17.6	20.0
sec-Butylbenzene	Ave	8.675	6.980	0.0100	8.05	10.0	-19.5	20.0
1,3-Dichlorobenzene	Ave	1.865	1.678	0.6000	9.00	10.0	-10.0	20.0
4-Isopropyltoluene	Ave	6.254	5.322	0.0100	8.51	10.0	-14.9	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.1280	0.0100	12.1	10.0	21.2*	20.0
1,4-Dichlorobenzene	Ave	1.739	1.575	0.5000	9.06	10.0	-9.4	20.0
n-Butylbenzene	Ave	5.968	5.156	0.0100	8.64	10.0	-13.6	20.0
1,2-Dichlorobenzene	Ave	1.284	1.207	0.4000	9.40	10.0	-6.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0394	0.0216*	0.0500	5.49	10.0	-45.1*	20.0
1,2,4-Trichlorobenzene	Ave	0.8050	0.5457	0.2000	6.78	10.0	-32.2*	20.0
Hexachlorobutadiene	Ave	1.091	1.094	0.0100	10.0	10.0	0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-407435/2 Calibration Date: 08/04/2022 10:21

Instrument ID: CHHP9 Calib Start Date: 05/19/2022 11:20

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/19/2022 13:50

Lab File ID: 9080402.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
Naphthalene	Qua		0.3101	0.0100	5.15	10.0	-48.5*	20.0
1,2,3-Trichlorobenzene	Lin1		0.4145	0.0100	7.47	10.0	-25.3*	20.0
Dibromofluoromethane (Surr)	Ave	0.1660	0.1992		12.0	10.0	20.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1684	0.1942		11.5	10.0	15.3	20.0
Toluene-d8 (Surr)	Ave	6.259	6.080		9.71	10.0	-2.9	20.0
4-Bromofluorobenzene (Surr)	Ave	1.685	1.573		9.33	10.0	-6.7	20.0

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080402.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Aug-2022 10:21:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-001
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9
Sublist: chrom-MSVOA_CHHP9*sub30

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 10:42:24 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 10:42:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.071	3.071	0.000	91	174710	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	97	1586298	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.687	9.687	0.000	91	263330	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	492252	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.045	5.045	0.000	92	315932	50.0	60.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.441	0.000	98	308077	50.0	57.6	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	1601004	50.0	48.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	89	414124	50.0	46.7	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	413473	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	674071	50.0	31.3	
11 Chloromethane	50	1.386	1.386	0.000	99	902975	50.0	43.8	
12 Vinyl chloride	62	1.472	1.472	0.000	98	1072208	50.0	48.2	
13 Butadiene	39	1.499	1.499	0.000	88	1018691	50.0	46.1	
14 Bromomethane	94	1.729	1.729	0.000	92	400982	50.0	57.5	
15 Chloroethane	64	1.809	1.809	0.000	98	656222	50.0	66.7	
17 Dichlorofluoromethane	67	1.975	1.975	0.000	97	1600470	50.0	74.3	
16 Trichlorofluoromethane	101	2.017	2.017	0.000	98	1525802	50.0	66.5	
18 Ethyl ether	59	2.280	2.280	0.000	95	250888	50.0	58.1	
19 1,1-Dichloroethene	96	2.477	2.477	0.000	92	697607	50.0	61.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.488	2.488	0.000	92	826034	50.0	64.0	
26 Acetone	43	2.547	2.547	0.000	99	171424	50.0	64.4	
23 Iodomethane	142	2.622	2.622	0.000	99	542103	50.0	65.3	
20 Carbon disulfide	76	2.681	2.681	0.000	99	2115203	50.0	54.2	
22 3-Chloro-1-propene	76	2.846	2.846	0.000	89	350575	50.0	58.6	
28 Methyl acetate	43	2.884	2.884	0.000	99	244495	100.0	135.2	
25 Methylene Chloride	84	2.980	2.980	0.000	95	526089	50.0	77.0	
31 2-Methyl-2-propanol	59	3.167	3.167	0.000	92	107636	500.0	455.7	
33 Acrylonitrile	53	3.274	3.274	0.000	97	577165	500.0	665.7	
27 trans-1,2-Dichloroethene	96	3.285	3.285	0.000	91	710344	50.0	67.8	
29 Methyl tert-butyl ether	73	3.312	3.312	0.000	96	496482	50.0	48.9	
30 Hexane	57	3.606	3.606	0.000	92	1946248	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
32 1,1-Dichloroethane	63	3.772	3.772	0.000	97	1118284	50.0	54.6	
37 2,2-Dichloropropane	77	4.451	4.451	0.000	84	872467	50.0	42.3	
36 cis-1,2-Dichloroethene	96	4.462	4.462	0.000	88	448868	50.0	53.4	
45 2-Butanone (MEK)	43	4.515	4.515	0.000	98	109666	50.0	56.8	
39 Chlorobromomethane	128	4.740	4.740	0.000	90	117841	50.0	56.9	
63 Tetrahydrofuran	42	4.815	4.815	0.000	0	43051	100.0	47.6	
40 Chloroform	83	4.852	4.852	0.000	96	986197	50.0	60.3	
38 Cyclohexane	56	4.863	4.863	0.000	13	1884	50.0	0.0509	
42 1,1,1-Trichloroethane	97	5.050	5.050	0.000	94	1012459	50.0	49.9	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	914974	50.0	52.4	
44 1,1-Dichloropropene	75	5.248	5.248	0.000	90	903673	50.0	46.2	
47 Benzene	78	5.499	5.499	0.000	98	1965608	50.0	50.1	
49 1,2-Dichloroethane	62	5.537	5.537	0.000	96	422449	50.0	59.6	
67 Isobutyl alcohol	41	5.580	5.580	0.000	6	5907	1250.0	65.2	
48 n-Heptane	43	5.868	5.868	0.000	91	1448305	50.0	40.7	
51 Trichloroethene	130	6.302	6.302	0.000	94	523309	50.0	47.1	
50 Methylcyclohexane	83	6.526	6.526	0.000	98	1257314	50.0	42.2	
54 1,2-Dichloropropane	63	6.585	6.585	0.000	88	381236	50.0	48.6	
52 Dibromomethane	93	6.724	6.724	0.000	96	107582	50.0	58.8	
57 1,4-Dioxane	88	6.799	6.799	0.000	74	20997	1000.0	659.7	
56 Dichlorobromomethane	83	6.944	6.944	0.000	97	359880	50.0	49.2	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	89	270183	50.0	33.2	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	94	123512	50.0	55.5	
64 Toluene	91	7.938	7.938	0.000	97	2141154	50.0	54.6	
68 trans-1,3-Dichloropropene	75	8.254	8.254	0.000	98	181444	50.0	34.7	
72 Ethyl methacrylate	69	8.430	8.430	0.000	91	84723	50.0	25.6	
71 1,1,2-Trichloroethane	97	8.489	8.489	0.000	94	139768	50.0	54.3	
65 Tetrachloroethene	164	8.644	8.644	0.000	94	522039	50.0	54.7	
74 1,3-Dichloropropane	76	8.703	8.703	0.000	97	255549	50.0	51.5	
79 2-Hexanone	43	8.869	8.869	0.000	95	110544	50.0	50.1	
73 Chlorodibromomethane	129	8.992	8.992	0.000	89	114388	50.0	43.1	
76 Ethylene Dibromide	107	9.115	9.115	0.000	96	109092	50.0	50.5	
80 Chlorobenzene	112	9.714	9.714	0.000	91	1047653	50.0	54.7	
83 1,1,1,2-Tetrachloroethane	131	9.816	9.816	0.000	87	256209	50.0	49.1	
82 Ethylbenzene	106	9.853	9.853	0.000	99	793696	50.0	53.4	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	996109	50.0	55.4	
86 o-Xylene	106	10.377	10.377	0.000	98	746759	50.0	50.8	
88 Styrene	104	10.393	10.393	0.000	95	1115911	50.0	59.3	
87 Bromoform	173	10.554	10.554	0.000	93	40559	50.0	37.6	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	2732103	50.0	53.0	
91 Bromobenzene	156	10.982	10.982	0.000	96	333951	50.0	38.7	
93 1,1,2,2-Tetrachloroethane	83	11.003	11.003	0.000	93	120539	50.0	51.2	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	89	38282	50.0	36.2	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	775737	50.0	40.3	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	520252	50.0	41.4	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	87	2230072	50.0	41.5	
98 4-Chlorotoluene	126	11.249	11.249	0.000	93	545035	50.0	45.5	
99 tert-Butylbenzene	119	11.506	11.506	0.000	94	2037741	50.0	38.6	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	1998856	50.0	41.2	
102 sec-Butylbenzene	105	11.682	11.682	0.000	96	3435720	50.0	40.2	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	96	826019	50.0	45.0	
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	2619875	50.0	42.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
97 trans-1,4-Dichloro-2-butene	53	11.800	11.800	0.000	50	63000	50.0	60.6	
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	775137	50.0	45.3	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	2538031	50.0	43.2	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	92	594086	50.0	47.0	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	69	10642	50.0	27.5	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	91	268619	50.0	33.9	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	94	538654	50.0	50.2	
113 Naphthalene	128	13.410	13.410	0.000	98	152662	50.0	25.7	
114 1,2,3-Trichlorobenzene	180	13.571	13.571	0.000	93	204051	50.0	37.4	
S 129 Xylenes, Total	106				0		100.0	106.2	
S 130 1,2-Dichloroethene, Total	96				0		100.0	121.2	
S 131 1,3-Dichloropropene, Total	1				0		100.0	67.9	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

VOA8260VOAPRI_00531	Amount Added:	2.00	Units: uL	
VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

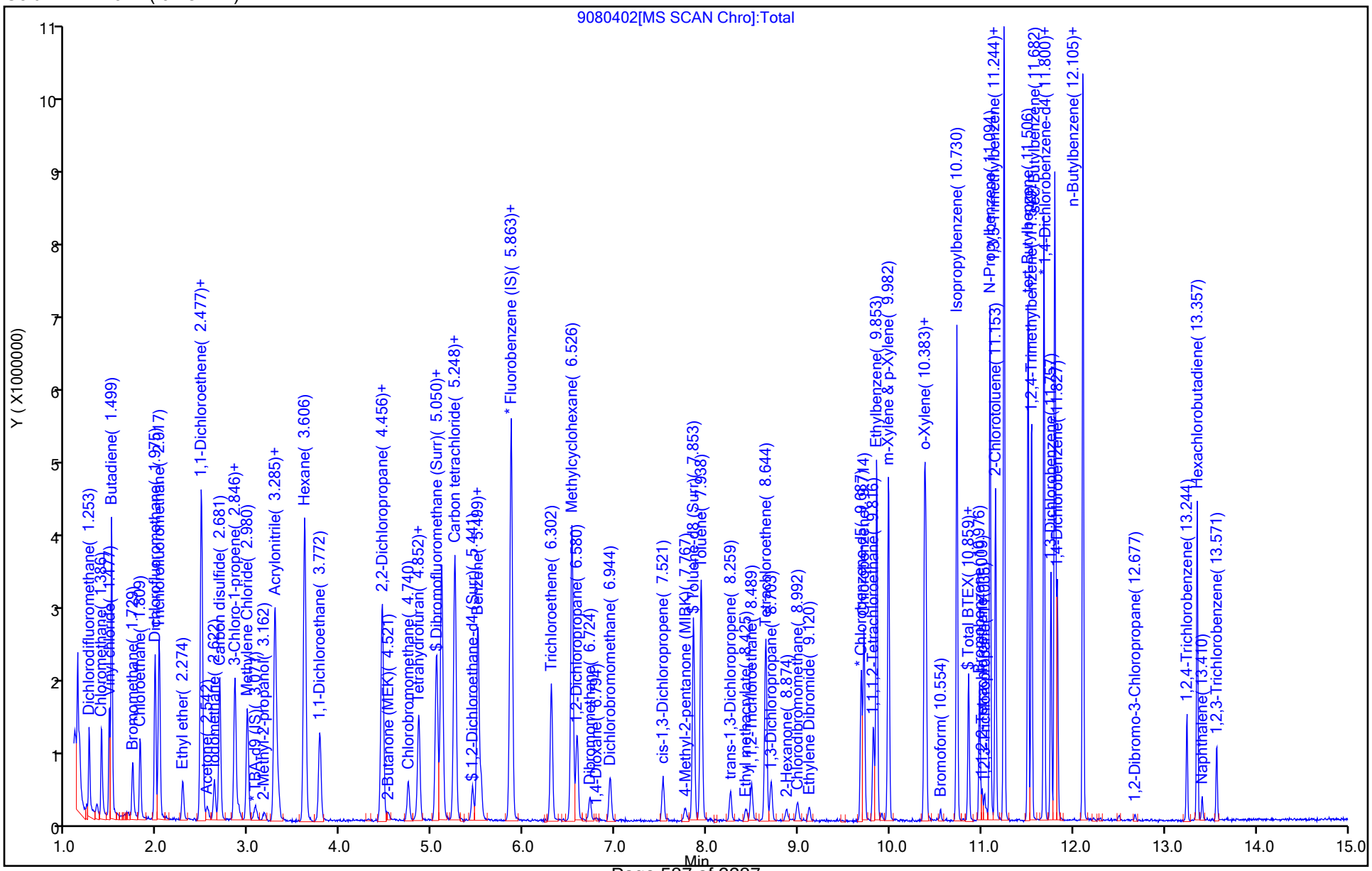
Report Date: 04-Aug-2022 10:42:25 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080402.D

Injection Date:	04-Aug-2022 10:21:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Aug-2022 09:11:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-001
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 10:47:21 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 10:47:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 9 BFB	95	10.859	10.859	0.000	0	316064	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

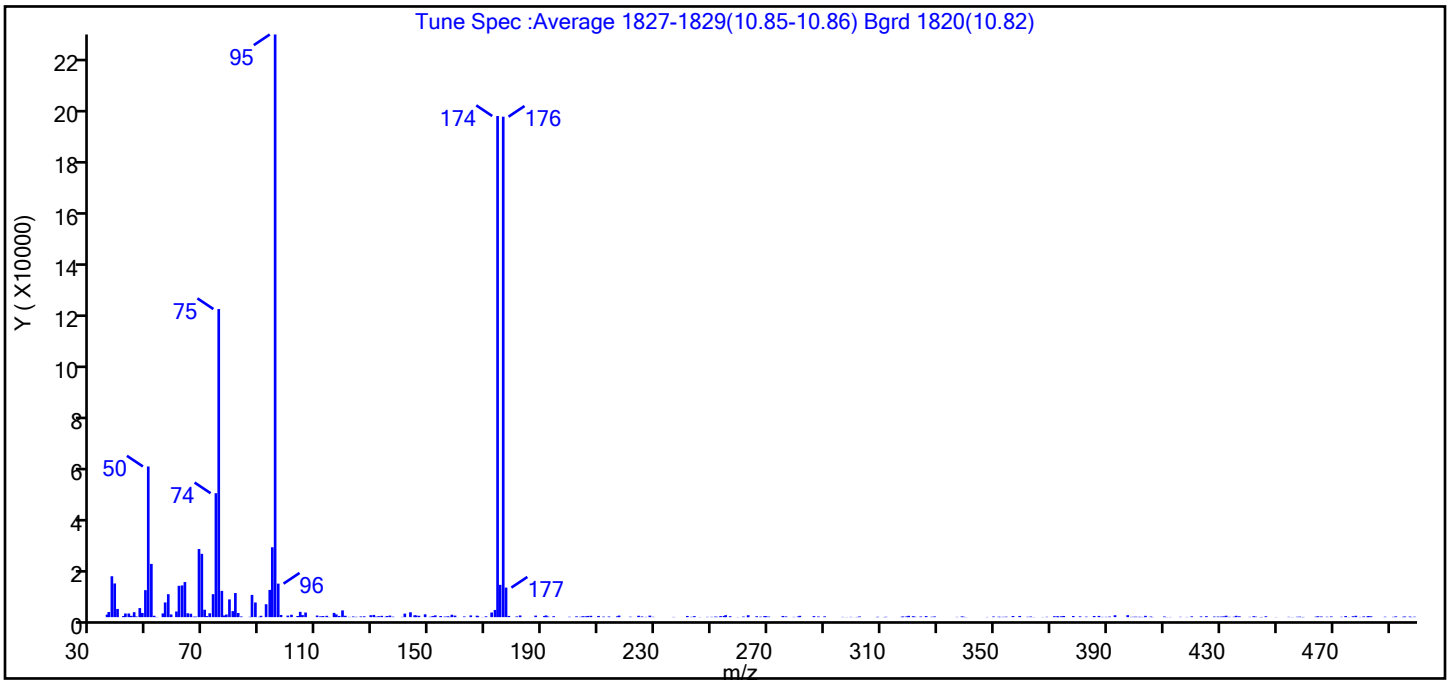
VOABFB25_00151 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D
Injection Date: 04-Aug-2022 09:11:30 Instrument ID: CHHP9
Lims ID: BFB
Client ID:
Operator ID: 034635 Patrick Journet ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_CHHP9 Limit Group: VOA 8260C_D ICAL
Tune Method: BFB Method 8260

$ 9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.9
75	30 to 60% of m/z 95	52.9
96	5 to 9% of m/z 95	5.8
173	Less than 2% of m/z 174	1.2 (1.4)
174	50 to 120% of m/z 95	86.0
175	5 to 9% of m/z 174	5.5 (6.4)
176	Greater than 95% but less than 101% of m/z 174	85.9 (99.9)
177	5 to 9% of m/z 176	5.1 (5.9)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D\MSVOA_CHHP9.rslt\spectra.d
Injection Date: 04-Aug-2022 09:11:30
Spectrum: Tune Spec :Average 1827-1829(10.85-10.86) Bgrd 1820(10.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	983	121.00	101	244.00	392	386.00	453
36.00	2001	123.00	260	246.00	67	387.00	484
37.00	15987	124.00	130	248.00	113	388.00	103
38.00	13161	125.00	269	250.00	119	390.00	122
39.00	3199	127.00	327	251.00	202	391.00	221
41.00	445	129.00	757	252.00	128	393.00	737
42.00	1426	130.00	870	253.00	403	397.00	760
43.00	1427	131.00	187	254.00	470	399.00	104
44.00	519	132.00	378	255.00	755	400.00	138
45.00	1938	133.00	515	256.00	341	400.00	180
46.00	249	134.00	100	259.00	11	401.00	127
47.00	3537	135.00	446	259.00	61	402.00	101
48.00	1640	136.00	619	261.00	240	403.00	81
49.00	10550	137.00	189	263.00	132	404.00	513
50.00	58880	140.00	100	263.00	746	406.00	220
51.00	20808	141.00	1378	266.00	355	406.00	75
52.00	530	143.00	1902	267.00	192	410.00	255
53.00	57	144.00	716	269.00	403	411.00	55
55.00	1456	145.00	647	269.00	367	412.00	76
56.00	5752	146.00	530	270.00	206	416.00	121
57.00	8972	148.00	1102	275.00	458	418.00	80
58.00	1058	150.00	157	276.00	274	420.00	301
60.00	2205	151.00	409	279.00	106	423.00	272
61.00	12246	152.00	692	280.00	237	425.00	375
62.00	12396	154.00	438	281.00	509	428.00	233
63.00	13706	155.00	211	286.00	394	429.00	221
64.00	1514	156.00	322	288.00	254	430.00	215
65.00	1336	157.00	145	290.00	320	431.00	284
66.00	194	158.00	940	296.00	98	432.00	546
67.00	205	159.00	592	298.00	59	433.00	127
68.00	26608	160.00	23	299.00	107	435.00	173
69.00	24736	162.00	266	301.00	30	436.00	519
70.00	2895	164.00	674	302.00	93	437.00	323

Report Date: 04-Aug-2022 10:47:22 Chrom Revision: 2.3 29-Jul-2022 15:21:48
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D\MSVOA_CHHP9.rslt\spectra.d
Injection Date: 04-Aug-2022 09:11:30
Spectrum: Tune Spec :Average 1827-1829(10.85-10.86) Bgrd 1820(10.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	419	167.00	571	302.00	265	441.00	109
72.00	1523	167.00	373	308.00	82	442.00	356
73.00	8980	168.00	48	309.00	119	443.00	184
74.00	48432	170.00	317	311.00	74	445.00	57
75.00	120408	172.00	1809	312.00	136	445.00	77
76.00	10270	173.00	2805	315.00	10	446.00	341
77.00	656	174.00	195840	317.00	131	450.00	64
78.00	1030	175.00	12618	318.00	269	454.00	118
79.00	6944	176.00	195584	319.00	286	455.00	10
80.00	2353	177.00	11543	320.00	514	456.00	61
81.00	9419	178.00	473	321.00	355	458.00	145
82.00	1625	181.00	262	322.00	165	458.00	191
83.00	257	182.00	655	324.00	248	459.00	58
86.00	119	185.00	19	326.00	417	460.00	85
87.00	8697	187.00	593	328.00	153	464.00	204
88.00	5733	190.00	426	329.00	276	465.00	339
89.00	123	191.00	663	337.00	96	466.00	245
90.00	526	192.00	223	339.00	269	468.00	154
92.00	5045	194.00	359	339.00	158	470.00	265
93.00	10642	199.00	146	340.00	57	472.00	9
94.00	27312	202.00	309	348.00	80	473.00	140
95.00	227712	203.00	115	350.00	251	475.00	425
96.00	13098	204.00	372	352.00	158	476.00	62
97.00	845	205.00	308	352.00	121	477.00	341
100.00	599	206.00	472	353.00	125	478.00	525
100.00	29	207.00	519	354.00	183	480.00	85
101.00	925	209.00	24	357.00	432	481.00	286
103.00	447	210.00	466	359.00	460	482.00	174
104.00	2075	212.00	211	362.00	140	483.00	426
105.00	807	213.00	252	363.00	241	484.00	314
106.00	1805	216.00	322	364.00	65	486.00	4
107.00	10	217.00	605	365.00	9	488.00	18
110.00	624	221.00	166	367.00	67	489.00	164
111.00	321	224.00	538	369.00	140	492.00	121

Report Date: 04-Aug-2022 10:47:22 Chrom Revision: 2.3 29-Jul-2022 15:21:48
Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D\MSVOA_CHHP9.rslt\spectra.d
Injection Date: 04-Aug-2022 09:11:30
Spectrum: Tune Spec :Average 1827-1829(10.85-10.86) Bgrd 1820(10.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	428	225.00	250	371.00	365	492.00	299
113.00	521	226.00	96	372.00	355	494.00	23
114.00	86	228.00	587	373.00	179	495.00	156
116.00	1665	229.00	137	374.00	329	496.00	231
117.00	1073	236.00	92	375.00	460	498.00	232
118.00	472	237.00	16	378.00	432	498.00	66
119.00	2631	241.00	459	380.00	295	499.00	175
120.00	530	243.00	129	383.00	199		

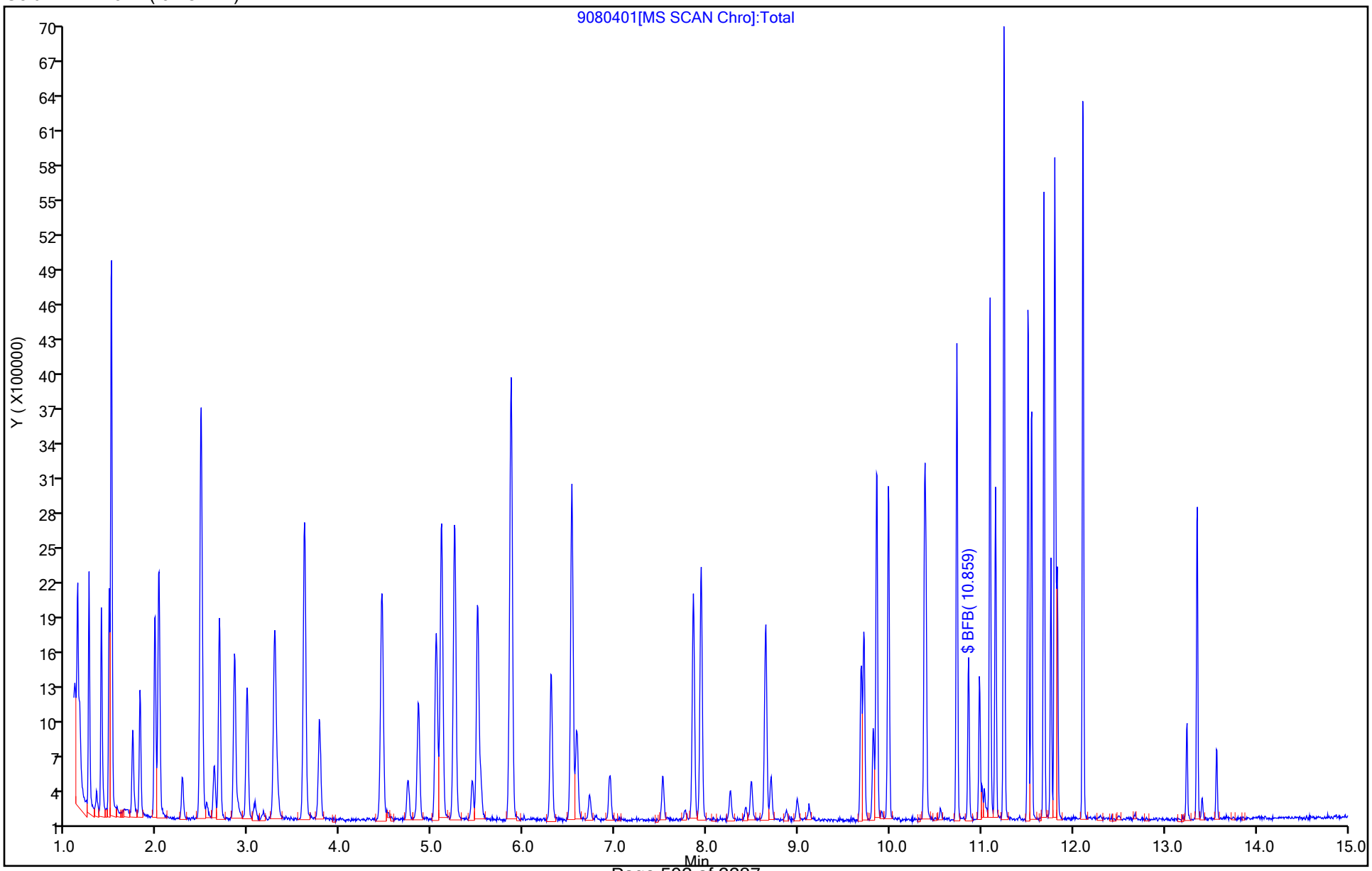
Report Date: 04-Aug-2022 10:47:22 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080401.D

Injection Date:	04-Aug-2022 09:11:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 180-407277/1-A

Matrix: Solid (TCLP) | Lab File ID: 9080413.D

Analysis Method: EPA 8260D | Date Collected:

Sample wt/vol: 0.25(mL) | Date Analyzed: 08/04/2022 14:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 407435 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	ND		0.20	0.029
78-93-3	2-Butanone (MEK)	ND		0.20	0.058
71-43-2	Benzene	ND		0.20	0.039
56-23-5	Carbon tetrachloride	ND		0.20	0.066
108-90-7	Chlorobenzene	ND		0.20	0.031
67-66-3	Chloroform	ND		0.20	0.042
127-18-4	Tetrachloroethene	ND		0.20	0.040
79-01-6	Trichloroethene	ND		0.20	0.030
75-01-4	Vinyl chloride	ND		0.20	0.073
75-35-4	1,1-Dichloroethene	ND		0.20	0.057

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	152	S1+	52-151
460-00-4	4-Bromofluorobenzene (Surr)	87		49-118
1868-53-7	Dibromofluoromethane (Surr)	157	S1+	60-132
2037-26-5	Toluene-d8 (Surr)	124		53-124

Report Date: 04-Aug-2022 14:44:46 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080413.D
Lims ID: LB 180-407277/1-A
Client ID:
Sample Type: LB
Inject. Date: 04-Aug-2022 14:21:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-013
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 14:44:45 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 14:44:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.060	3.071	-0.011	85	201084	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	98	1647255	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	91	282335	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	384777	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.039	5.045	-0.006	92	428994	50.0	78.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.441	0.000	99	422817	50.0	76.2	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	96	2192249	50.0	62.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	89	415395	50.0	43.7	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	416132		NR	
24 Acrolein	56	1.445	1.456	-0.011	33	4674		NC	
46 Acetonitrile	40	2.552	2.558	-0.006	24	4401		NC	
34 Vinyl acetate	43	2.879	2.879	0.000	58	7869		NC	
25 Methylene Chloride	84	2.980	2.980	0.000	96	235612		30.4	
30 Hexane	57	3.595	3.606	-0.011	91	88210		2.21	
43 Isopropyl alcohol	45	3.911	3.927	-0.016	1	2690		NC	
40 Chloroform	83	4.847	4.852	-0.005	95	121156		7.13	
55 Isopropyl ether	45	5.858	5.869	-0.011	30	8800		NC	
53 2-Chloro-1,3-butadiene	53	5.890	5.874	0.016	13	978		NC	
59 Propionitrile	54	6.221	6.152	0.069	0	1807		NC	
58 Tert-butyl ethyl ether	59	6.157	6.157	0.000	37	1018		NC	
62 Methacrylonitrile	41	6.446	6.473	-0.027	1	1242		NC	
60 Ethyl acetate	43	6.403	6.521	-0.118	52	1131		NC	
56 Dichlorobromomethane	83	6.933	6.944	-0.011	73	13003		1.71	
69 Isooctane	57	7.190	7.142	0.048	27	584		NC	
70 Tert-amyl methyl ether	73	7.420	7.409	0.011	1	1051		NC	
77 Ethyl acrylate	55	7.757	7.800	-0.043	1	834		NC	
75 n-Butanol	56	7.928	7.928	0.000	1	542		NC	
78 Methyl methacrylate	69	8.414	8.415	-0.001	1	1216		NC	
84 2-Chloroethyl vinyl ether	63	8.981	8.976	0.005	1	503		NC	
90 n-Butyl acetate	43	9.757	9.746	0.011	33	1867		NC	
100 4-Chlorobenzotrifluoride	180	10.859	10.854	0.005	51	1082		NC	
108 Cyclohexanone	55	11.891	11.881	0.010	1	915		NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,2,3-Trimethylbenzene	105	13.234	13.228	0.006	5	730		NC	
116 Benzyl chloride	91	13.367	13.357	0.010	1	989		NC	
117 1,3,5-Trichlorobenzene	180	14.410	14.410	0.000	1	467		NC	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

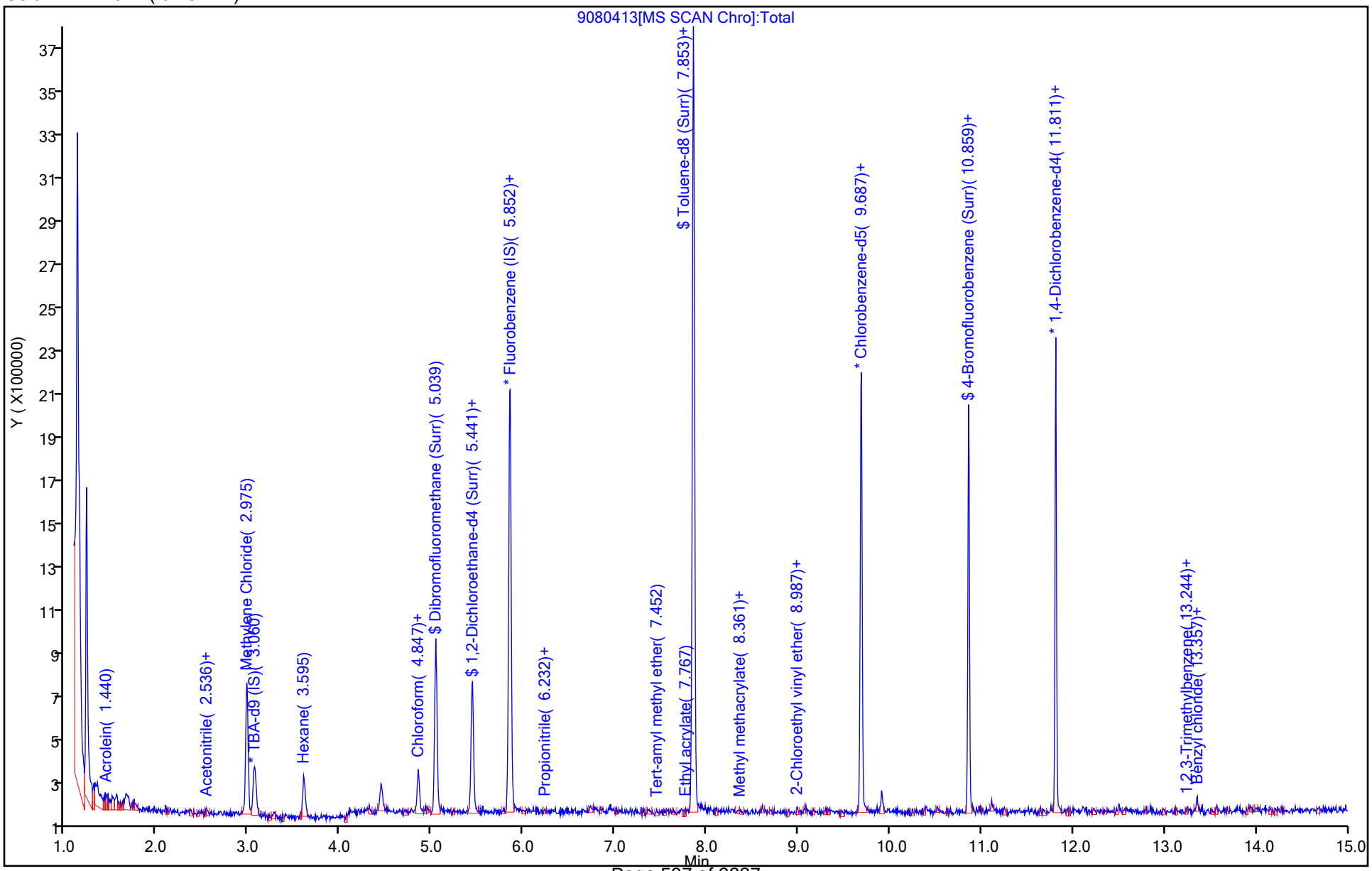
Report Date: 04-Aug-2022 14:44:46 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080413.D

Injection Date:	04-Aug-2022 14:21:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	LB 180-407277/1-A			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080413.D
Lims ID: LB 180-407277/1-A
Client ID:
Sample Type: LB
Inject. Date: 04-Aug-2022 14:21:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-013
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 14:44:45 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 14:44:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 Dibromofluoromethane (Surr)	50.0	78.4	156.86
$ 6 1,2-Dichloroethane-d4 (Surr)	50.0	76.2	152.38
$ 7 Toluene-d8 (Surr)	50.0	62.0	124.06
$ 8 4-Bromofluorobenzene (Surr)	50.0	43.7	87.33

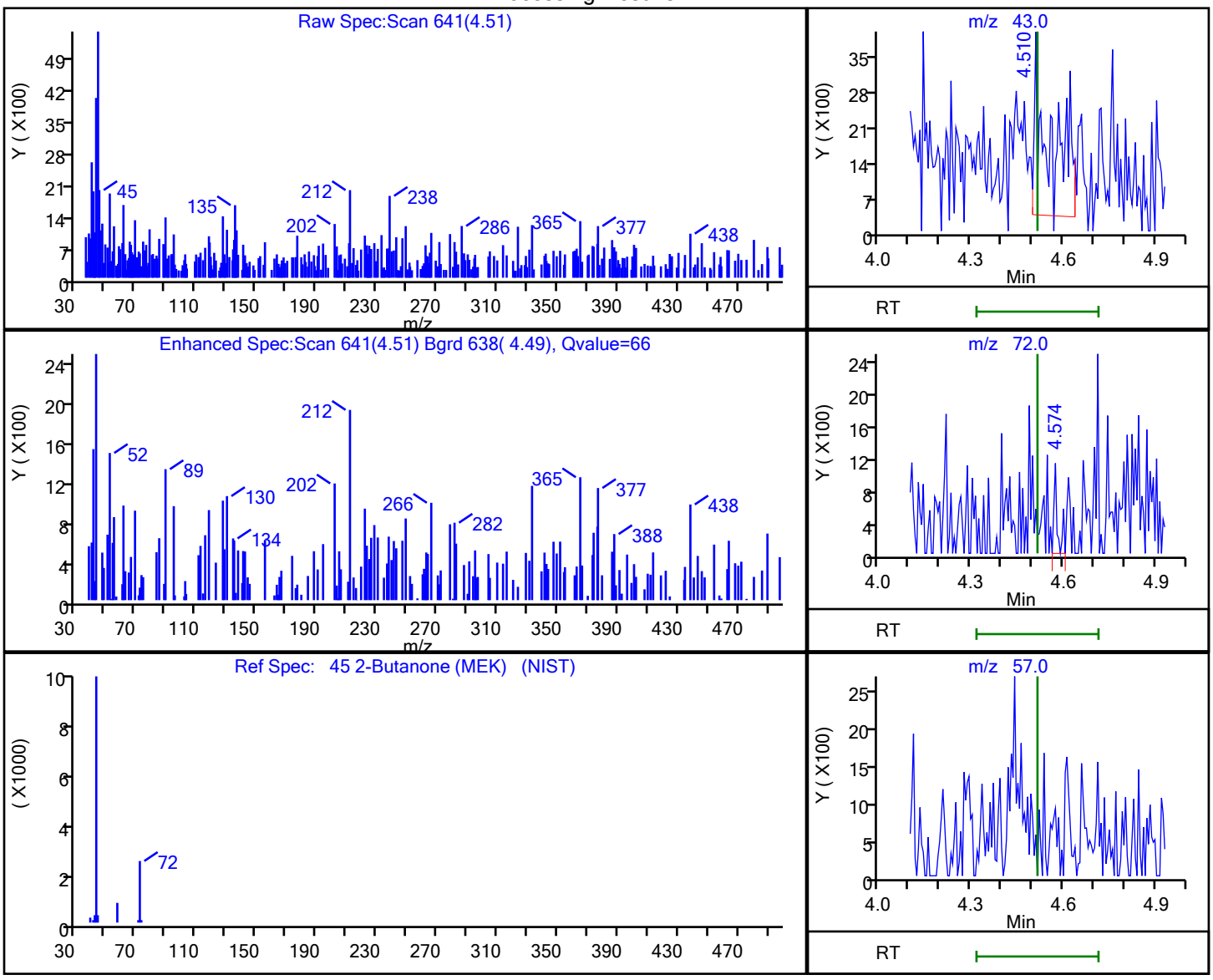
User Disabled Compound Report

Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080413.D				
Injection Date:	04-Aug-2022 14:21:30	Instrument ID:	CHHP9		
Lims ID:	LB 180-407277/1-A				
Client ID:					
Operator ID:	034635 Patrick Journet	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

45 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.51	43.00	12496	6.235887
4.57	72.00	879	
4.52	57.00	0	

Reviewer: WVZ3, 04-Aug-2022 14:44:02

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-407435/3

Matrix: Solid | Lab File ID: 9080403.D

Analysis Method: EPA 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/04/2022 10:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 407435 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	0.0108		0.010	0.0015
78-93-3	2-Butanone (MEK)	0.00845	J	0.010	0.0029
71-43-2	Benzene	0.00997	J	0.010	0.0020
56-23-5	Carbon tetrachloride	0.0103		0.010	0.0033
108-90-7	Chlorobenzene	0.0106		0.010	0.0016
67-66-3	Chloroform	0.0115		0.010	0.0021
127-18-4	Tetrachloroethene	0.0112		0.010	0.0020
79-01-6	Trichloroethene	0.00931	J	0.010	0.0015
75-01-4	Vinyl chloride	0.0107		0.010	0.0037
75-35-4	1,1-Dichloroethene	0.0124		0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		52-151
460-00-4	4-Bromofluorobenzene (Surr)	97		49-118
1868-53-7	Dibromofluoromethane (Surr)	126		60-132
2037-26-5	Toluene-d8 (Surr)	106		53-124

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080403.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2022 10:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-003
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 11:16:39 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 11:26:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.055	3.071	-0.016	88	129714	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.847	5.852	-0.005	98	1426911	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	90	227456	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	95	431429	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.040	5.045	-0.005	91	298534	50.0	63.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.435	5.441	-0.006	98	283722	50.0	59.0	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	1506607	50.0	52.9	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	89	369906	50.0	48.3	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	369906	NR	NR	
10 Dichlorodifluoromethane	85	1.247	1.253	-0.006	99	728189	50.0	37.6	
11 Chloromethane	50	1.381	1.386	-0.005	99	925585	50.0	49.9	
12 Vinyl chloride	62	1.467	1.472	-0.005	98	1072505	50.0	53.6	
13 Butadiene	39	1.493	1.499	-0.006	89	1035142	50.0	52.1	
14 Bromomethane	94	1.723	1.729	-0.006	93	356375	50.0	56.8	
15 Chloroethane	64	1.804	1.809	-0.005	98	655348	50.0	74.0	
17 Dichlorofluoromethane	67	1.969	1.975	-0.006	97	1446016	50.0	74.6	
16 Trichlorofluoromethane	101	2.012	2.017	-0.005	98	1438222	50.0	69.7	
18 Ethyl ether	59	2.269	2.280	-0.011	91	207592	50.0	53.5	
19 1,1-Dichloroethene	96	2.467	2.477	-0.010	93	629004	50.0	61.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.478	2.488	-0.010	94	800132	50.0	68.9	
26 Acetone	43	2.536	2.547	-0.011	87	143254	50.0	57.8	
23 Iodomethane	142	2.617	2.622	-0.005	99	509450	50.0	68.0	
20 Carbon disulfide	76	2.670	2.681	-0.011	100	1998222	50.0	56.9	
22 3-Chloro-1-propene	76	2.836	2.846	-0.010	89	306558	50.0	57.0	
28 Methyl acetate	43	2.879	2.884	-0.005	98	175835	100.0	105.0	
25 Methylene Chloride	84	2.980	2.980	0.000	95	466464	50.0	75.8	
31 2-Methyl-2-propanol	59	3.157	3.167	-0.010	91	84474	500.0	481.7	
33 Acrylonitrile	53	3.264	3.274	-0.010	99	484475	500.0	621.2	
27 trans-1,2-Dichloroethene	96	3.275	3.285	-0.010	90	625808	50.0	66.4	
29 Methyl tert-butyl ether	73	3.301	3.312	-0.011	96	392127	50.0	42.9	
30 Hexane	57	3.601	3.606	-0.005	94	1285106	50.0	37.2	
32 1,1-Dichloroethane	63	3.767	3.772	-0.005	98	955297	50.0	51.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 2,2-Dichloropropane	77	4.446	4.451	-0.005	83	757092	50.0	40.8	
36 cis-1,2-Dichloroethene	96	4.451	4.462	-0.011	87	379410	50.0	50.2	
45 2-Butanone (MEK)	43	4.510	4.515	-0.005	98	73380	50.0	42.3	
39 Chlorobromomethane	128	4.735	4.740	-0.005	89	95630	50.0	51.3	
63 Tetrahydrofuran	42	4.815	4.815	0.000	0	39297	100.0	48.6	
40 Chloroform	83	4.847	4.852	-0.005	97	844574	50.0	57.4	
38 Cyclohexane	56	5.098	4.863	0.235	95	1359140	50.0	40.8	a
42 1,1,1-Trichloroethane	97	5.045	5.050	-0.005	95	894978	50.0	49.1	
41 Carbon tetrachloride	117	5.243	5.243	0.000	94	810510	50.0	51.6	
44 1,1-Dichloropropene	75	5.248	5.248	0.000	91	831018	50.0	47.2	
47 Benzene	78	5.494	5.499	-0.005	99	1759080	50.0	49.8	
49 1,2-Dichloroethane	62	5.532	5.537	-0.005	96	343041	50.0	53.8	
67 Isobutyl alcohol	41	5.569	5.580	-0.011	23	4362	1250.0	53.6	
48 n-Heptane	43	5.863	5.868	-0.005	92	1277164	50.0	39.9	
51 Trichloroethene	130	6.302	6.302	0.000	95	465775	50.0	46.6	
50 Methylcyclohexane	83	6.521	6.526	-0.005	97	1103420	50.0	41.2	
54 1,2-Dichloropropane	63	6.580	6.585	-0.005	89	348783	50.0	49.5	
52 Dibromomethane	93	6.714	6.724	-0.010	93	90126	50.0	55.0	
57 1,4-Dioxane	88	6.789	6.799	-0.010	80	17704	1000.0	607.6	
56 Dichlorobromomethane	83	6.944	6.944	0.000	97	284155	50.0	43.2	
61 cis-1,3-Dichloropropene	75	7.521	7.521	0.000	90	221002	50.0	30.2	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	95	71333	50.0	37.1	
64 Toluene	91	7.939	7.938	0.001	98	1816524	50.0	53.7	
68 trans-1,3-Dichloropropene	75	8.254	8.254	0.000	94	144187	50.0	32.0	
72 Ethyl methacrylate	69	8.420	8.430	-0.010	90	60562	50.0	21.2	
71 1,1,2-Trichloroethane	97	8.489	8.489	0.000	95	116108	50.0	52.2	
65 Tetrachloroethene	164	8.639	8.644	-0.005	94	463478	50.0	56.2	
74 1,3-Dichloropropane	76	8.698	8.703	-0.005	95	217741	50.0	50.8	
79 2-Hexanone	43	8.864	8.869	-0.005	96	71234	50.0	37.4	
73 Chlorodibromomethane	129	8.992	8.992	0.000	86	96154	50.0	41.9	
76 Ethylene Dibromide	107	9.115	9.115	0.000	94	87739	50.0	47.0	
80 Chlorobenzene	112	9.714	9.714	0.000	91	872826	50.0	52.8	
83 1,1,1,2-Tetrachloroethane	131	9.816	9.816	0.000	87	196716	50.0	43.6	
82 Ethylbenzene	106	9.853	9.853	0.000	99	670783	50.0	52.3	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	98	808941	50.0	52.1	
86 o-Xylene	106	10.378	10.377	0.001	98	615367	50.0	48.4	
88 Styrene	104	10.394	10.393	0.001	94	887777	50.0	54.6	
87 Bromoform	173	10.554	10.554	0.000	92	37199	50.0	40.0	
89 Isopropylbenzene	105	10.731	10.730	0.001	96	2305968	50.0	51.7	
91 Bromobenzene	156	10.977	10.982	-0.005	95	282540	50.0	37.3	
93 1,1,2,2-Tetrachloroethane	83	11.003	11.003	0.000	93	104832	50.0	51.6	
95 1,2,3-Trichloropropane	110	11.030	11.035	-0.005	91	35356	50.0	38.3	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	652325	50.0	38.7	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	445901	50.0	40.5	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	87	1831005	50.0	38.9	
98 4-Chlorotoluene	126	11.249	11.249	0.000	95	441149	50.0	42.0	
99 tert-Butylbenzene	119	11.506	11.506	0.000	93	1707007	50.0	36.9	
101 1,2,4-Trimethylbenzene	105	11.544	11.549	-0.005	97	1714887	50.0	40.3	
102 sec-Butylbenzene	105	11.683	11.682	0.001	95	2904461	50.0	38.8	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	96	670317	50.0	41.6	
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	2200206	50.0	40.8	
97 trans-1,4-Dichloro-2-butene	53	11.800	11.800	0.000	40	52834	50.0	58.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	93	648203	50.0	43.2	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	2101150	50.0	40.8	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	95	522972	50.0	47.2	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	71	10237	50.0	30.1	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	94	245558	50.0	35.4	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	95	492995	50.0	52.4	
113 Naphthalene	128	13.410	13.410	0.000	98	149042	50.0	28.2	
114 1,2,3-Trichlorobenzene	180	13.565	13.571	-0.005	94	189046	50.0	39.3	
S 129 Xylenes, Total	106				0		100.0	100.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	116.6	
S 131 1,3-Dichloropropene, Total	1				0		100.0	62.2	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

VOA8260VOAPRI_00531	Amount Added:	2.00	Units: uL	
VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

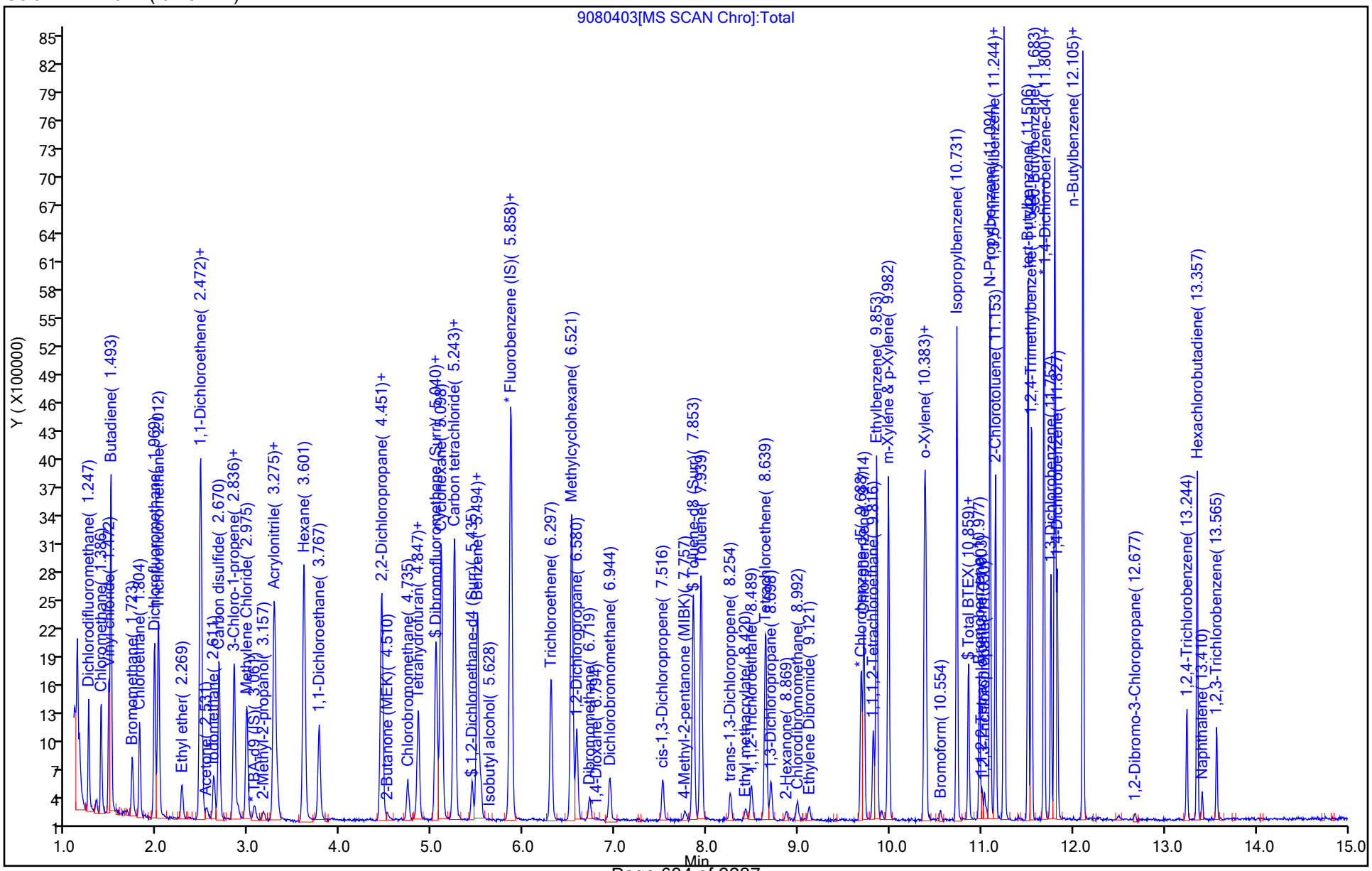
Report Date: 04-Aug-2022 11:26:48 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080403.D

Injection Date:	04-Aug-2022 10:44:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080403.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2022 10:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-003
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 11:16:39 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 11:26:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 Dibromofluoromethane (Surr)	50.0	63.0	126.01
$ 6 1,2-Dichloroethane-d4 (Surr)	50.0	59.0	118.04
$ 7 Toluene-d8 (Surr)	50.0	52.9	105.83
$ 8 4-Bromofluorobenzene (Surr)	50.0	48.3	96.53
$ 141 Total BTEX	250.0	0	0.00

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MS | Lab Sample ID: 180-142292-2 MS

Matrix: Solid (TCLP) | Lab File ID: 9080408.D

Analysis Method: EPA 8260D | Date Collected: 07/27/2022 09:00

Sample wt/vol: 0.25(mL) | Date Analyzed: 08/04/2022 12:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 407435 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	0.221		0.20	0.029
78-93-3	2-Butanone (MEK)	0.138	J	0.20	0.058
71-43-2	Benzene	0.209		0.20	0.039
56-23-5	Carbon tetrachloride	0.225		0.20	0.066
108-90-7	Chlorobenzene	0.225		0.20	0.031
67-66-3	Chloroform	0.235		0.20	0.042
127-18-4	Tetrachloroethene	0.249		0.20	0.040
79-01-6	Trichloroethene	0.200		0.20	0.030
75-01-4	Vinyl chloride	0.211		0.20	0.073
75-35-4	1,1-Dichloroethene	0.252		0.20	0.057

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		52-151
460-00-4	4-Bromofluorobenzene (Surr)	97		49-118
1868-53-7	Dibromofluoromethane (Surr)	121		60-132
2037-26-5	Toluene-d8 (Surr)	105		53-124

Report Date: 04-Aug-2022 12:52:32 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080408.D
Lims ID: 180-142292-F-2-A MS
Client ID:
Sample Type: MS
Inject. Date: 04-Aug-2022 12:33:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-008
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 12:52:31 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 12:52:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.060	3.071	-0.011	84	183126	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.852	5.852	0.000	98	1636593	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	90	254931	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	456880	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.039	5.045	-0.006	56	329033	50.0	60.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.441	5.441	0.000	100	324311	50.0	58.8	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	1672811	50.0	52.4	
$ 8 4-Bromofluorobenzene (Surr)	95	10.859	10.859	0.000	89	416859	50.0	48.5	
$ 141 Total BTEX	95	10.859	10.859	0.000	0	416859	NR	NR	
10 Dichlorodifluoromethane	85	1.247	1.253	-0.006	98	828649	50.0	37.3	
11 Chloromethane	50	1.386	1.386	0.000	99	1074465	50.0	50.5	
12 Vinyl chloride	62	1.472	1.472	0.000	97	1211930	50.0	52.8	
13 Butadiene	39	1.493	1.499	-0.006	88	1179911	50.0	51.8	
14 Bromomethane	94	1.723	1.729	-0.006	91	402352	50.0	55.9	
15 Chloroethane	64	1.809	1.809	0.000	99	713575	50.0	70.3	
17 Dichlorofluoromethane	67	1.969	1.975	-0.006	97	1681014	50.0	75.6	
16 Trichlorofluoromethane	101	2.012	2.017	-0.005	97	1734111	50.0	73.2	
18 Ethyl ether	59	2.269	2.280	-0.011	96	246700	50.0	55.4	
19 1,1-Dichloroethene	96	2.467	2.477	-0.010	90	735555	50.0	63.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.477	2.488	-0.011	94	976578	50.0	73.4	
26 Acetone	43	2.536	2.547	-0.011	20	89561	50.0	18.6	7a
23 Iodomethane	142	2.616	2.622	-0.006	98	437755	50.0	51.9	
20 Carbon disulfide	76	2.675	2.681	-0.006	99	2338927	50.0	58.1	
22 3-Chloro-1-propene	76	2.841	2.846	-0.005	89	356228	50.0	57.7	
28 Methyl acetate	43	2.879	2.884	-0.005	90	207470	100.0	108.4	
25 Methylene Chloride	84	2.975	2.980	-0.005	95	617673	50.0	88.3	
31 2-Methyl-2-propanol	59	3.157	3.167	-0.010	90	110344	500.0	445.7	
33 Acrylonitrile	53	3.269	3.274	-0.005	96	554196	500.0	619.6	
27 trans-1,2-Dichloroethene	96	3.280	3.285	-0.005	92	760212	50.0	70.4	
29 Methyl tert-butyl ether	73	3.301	3.312	-0.011	94	489790	50.0	46.7	
30 Hexane	57	3.601	3.606	-0.005	92	2262932	50.0	57.1	
32 1,1-Dichloroethane	63	3.766	3.772	-0.006	97	1179207	50.0	55.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 2,2-Dichloropropane	77	4.446	4.451	-0.005	75	829037	50.0	39.0	
36 cis-1,2-Dichloroethene	96	4.451	4.462	-0.011	88	438014	50.0	50.5	
45 2-Butanone (MEK)	43	4.510	4.515	-0.005	96	68896	50.0	34.6	M
39 Chlorobromomethane	128	4.735	4.740	-0.006	89	115816	50.0	54.2	
63 Tetrahydrofuran	42	4.815	4.815	0.000	0	39013	100.0	39.9	
40 Chloroform	83	4.852	4.852	0.000	96	989984	50.0	58.7	
38 Cyclohexane	56	5.104	4.863	0.241	95	1749234	50.0	45.8	a
42 1,1,1-Trichloroethane	97	5.045	5.050	-0.005	94	1076392	50.0	51.4	
41 Carbon tetrachloride	117	5.243	5.243	0.000	95	1011552	50.0	56.2	
44 1,1-Dichloropropene	75	5.243	5.248	-0.005	90	1005793	50.0	49.8	
47 Benzene	78	5.494	5.499	-0.005	98	2114009	50.0	52.2	
49 1,2-Dichloroethane	62	5.531	5.537	-0.006	98	404754	50.0	55.3	
67 Isobutyl alcohol	41	5.505	5.580	-0.075	33	69052	1250.0	739.1	a
48 n-Heptane	43	5.863	5.868	-0.005	94	1683211	50.0	45.9	
51 Trichloroethene	130	6.302	6.302	0.000	95	572736	50.0	49.9	
50 Methylcyclohexane	83	6.521	6.526	-0.005	97	1472331	50.0	47.9	
54 1,2-Dichloropropane	63	6.580	6.585	-0.005	92	405721	50.0	50.2	
52 Dibromomethane	93	6.719	6.724	-0.005	92	95191	50.0	50.8	
57 1,4-Dioxane	88	6.804	6.799	0.005	84	18539	1000.0	539.7	
56 Dichlorobromomethane	83	6.938	6.944	-0.006	96	354924	50.0	47.1	
61 cis-1,3-Dichloropropene	75	7.516	7.521	-0.005	88	255189	50.0	30.4	
66 4-Methyl-2-pentanone (MIBK)	43	7.767	7.762	0.005	96	77849	50.0	36.2	
64 Toluene	91	7.938	7.938	0.000	97	2267119	50.0	59.8	
68 trans-1,3-Dichloropropene	75	8.254	8.254	0.000	98	171850	50.0	34.0	
72 Ethyl methacrylate	69	8.425	8.430	-0.005	93	80392	50.0	25.1	
71 1,1,2-Trichloroethane	97	8.484	8.489	-0.005	94	145520	50.0	58.3	
65 Tetrachloroethene	164	8.639	8.644	-0.005	94	575170	50.0	62.2	
74 1,3-Dichloropropane	76	8.698	8.703	-0.005	97	262943	50.0	54.7	
79 2-Hexanone	43	8.869	8.869	0.000	95	53708	50.0	25.1	
73 Chlorodibromomethane	129	8.992	8.992	0.000	89	115779	50.0	45.0	
76 Ethylene Dibromide	107	9.126	9.115	0.011	99	100557	50.0	48.1	
80 Chlorobenzene	112	9.714	9.714	0.000	91	1040997	50.0	56.2	
83 1,1,1,2-Tetrachloroethane	131	9.816	9.816	0.000	88	263109	50.0	52.0	
82 Ethylbenzene	106	9.853	9.853	0.000	99	787941	50.0	54.8	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	98	975659	50.0	56.1	
86 o-Xylene	106	10.377	10.377	0.000	98	751846	50.0	52.8	
88 Styrene	104	10.393	10.393	0.000	94	1051447	50.0	57.7	
87 Bromoform	173	10.554	10.554	0.000	94	47358	50.0	45.4	
89 Isopropylbenzene	105	10.730	10.730	0.000	97	2747881	50.0	55.0	
91 Bromobenzene	156	10.976	10.982	-0.006	95	330387	50.0	41.2	
93 1,1,2,2-Tetrachloroethane	83	11.008	11.003	0.005	95	124594	50.0	54.7	
95 1,2,3-Trichloropropane	110	11.035	11.035	0.000	91	42718	50.0	44.0	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	749538	50.0	41.9	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	490841	50.0	42.1	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	97	2176558	50.0	43.6	
98 4-Chlorotoluene	126	11.249	11.249	0.000	97	516021	50.0	46.4	
99 tert-Butylbenzene	119	11.511	11.506	0.005	93	2011585	50.0	41.1	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	97	1923159	50.0	42.7	
102 sec-Butylbenzene	105	11.682	11.682	0.000	95	3374202	50.0	42.6	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	96	761713	50.0	44.7	
103 4-Isopropyltoluene	119	11.800	11.800	0.000	97	2496584	50.0	43.7	
97 trans-1,4-Dichloro-2-butene	53	11.800	11.800	0.000	47	60151	50.0	62.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	672486	50.0	42.3	
106 n-Butylbenzene	91	12.105	12.105	0.000	99	2344970	50.0	43.0	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	92	521065	50.0	44.4	
109 1,2-Dibromo-3-Chloropropane	75	12.672	12.677	-0.005	35	7646	50.0	21.3	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	94	172888	50.0	23.5	
110 Hexachlorobutadiene	225	13.357	13.357	-0.001	96	431152	50.0	43.3	
113 Naphthalene	128	13.410	13.410	0.000	98	71493	50.0	14.9	
114 1,2,3-Trichlorobenzene	180	13.565	13.571	-0.005	93	92670	50.0	20.2	
S 129 Xylenes, Total	106				0		100.0	108.9	
S 130 1,2-Dichloroethene, Total	96				0		100.0	120.8	
S 131 1,3-Dichloropropene, Total	1				0		100.0	64.4	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- 7 - Failed Limit of Detection

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

Reagents:

VOA8260VOAPRI_00531	Amount Added:	2.00	Units: uL	
VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

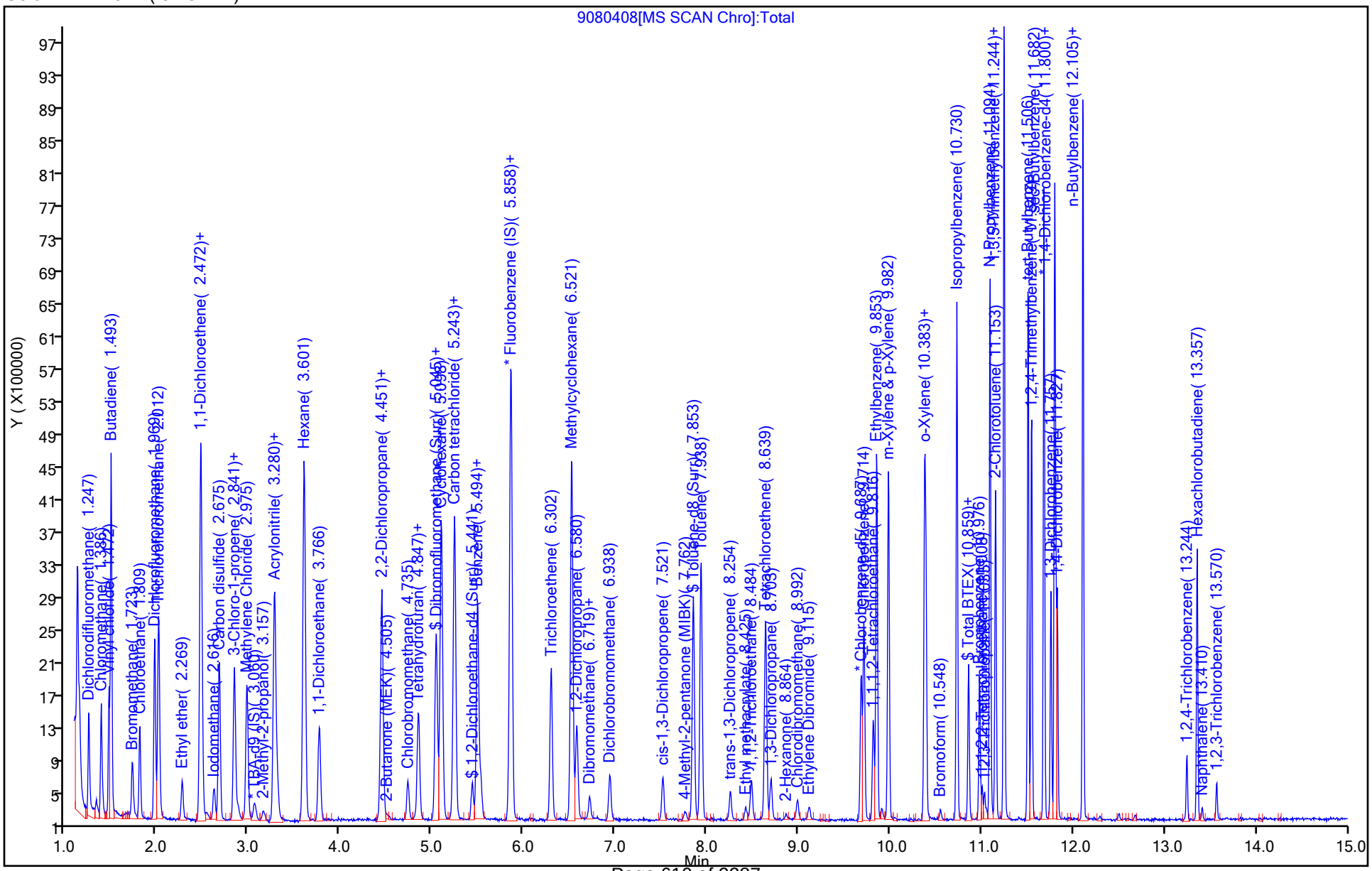
Report Date: 04-Aug-2022 12:52:32 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080408.D

Injection Date:	04-Aug-2022 12:33:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	180-142292-F-2-A MS			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080408.D
Lims ID: 180-142292-F-2-A MS
Client ID:
Sample Type: MS
Inject. Date: 04-Aug-2022 12:33:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-008
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 12:52:31 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 12:52:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 Dibromofluoromethane (Surr)	50.0	60.5	121.09
$ 6 1,2-Dichloroethane-d4 (Surr)	50.0	58.8	117.64
$ 7 Toluene-d8 (Surr)	50.0	52.4	104.84
$ 8 4-Bromofluorobenzene (Surr)	50.0	48.5	97.06
$ 141 Total BTEX	250.0	0	0.00

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

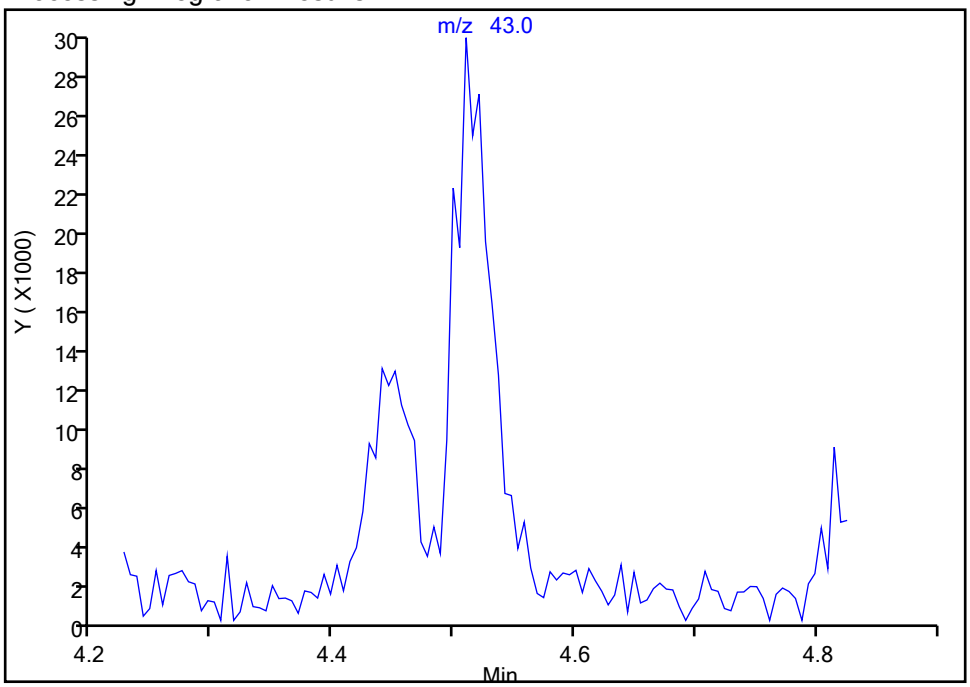
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080408.D				
Injection Date:	04-Aug-2022 12:33:30	Instrument ID:	CHHP9		
Lims ID:	180-142292-F-2-A MS				
Client ID:					
Operator ID:	034635 Patrick Journet	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

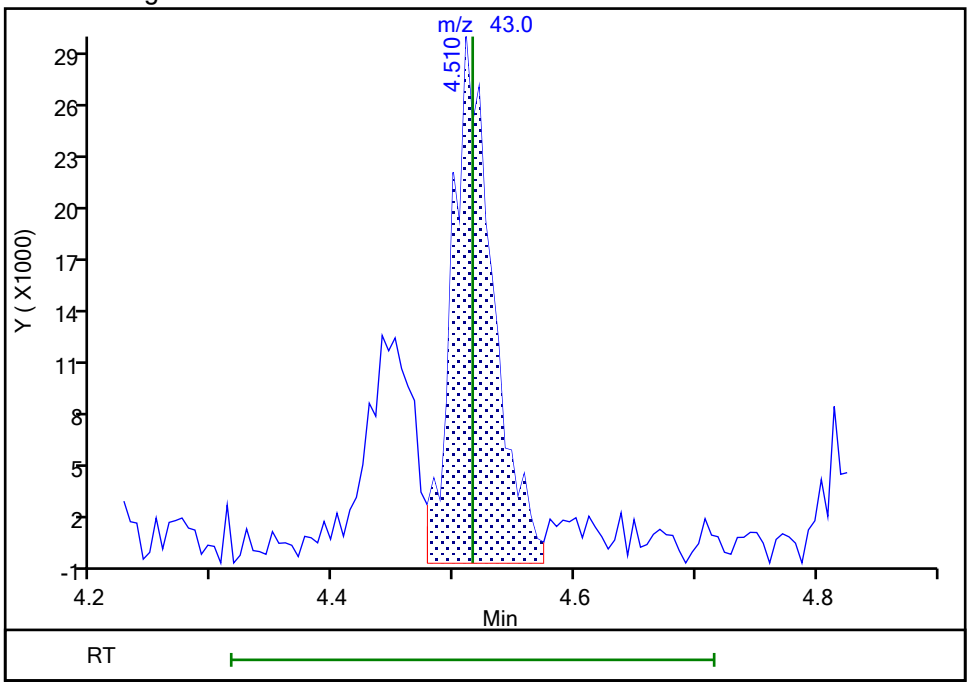
Not Detected
Expected RT: 4.52

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 68896
Amount: 34.605198
Amount Units: ng



Reviewer: WVZ3, 04-Aug-2022 12:52:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MSD | Lab Sample ID: 180-142292-2 MSD

Matrix: Solid (TCLP) | Lab File ID: 9080409.D

Analysis Method: EPA 8260D | Date Collected: 07/27/2022 09:00

Sample wt/vol: 0.25(mL) | Date Analyzed: 08/04/2022 12:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 407435 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	0.214		0.20	0.029
78-93-3	2-Butanone (MEK)	0.184	J	0.20	0.058
71-43-2	Benzene	0.207		0.20	0.039
56-23-5	Carbon tetrachloride	0.218		0.20	0.066
108-90-7	Chlorobenzene	0.225		0.20	0.031
67-66-3	Chloroform	0.233		0.20	0.042
127-18-4	Tetrachloroethene	0.248		0.20	0.040
79-01-6	Trichloroethene	0.201		0.20	0.030
75-01-4	Vinyl chloride	0.230		0.20	0.073
75-35-4	1,1-Dichloroethene	0.258		0.20	0.057

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		52-151
460-00-4	4-Bromofluorobenzene (Surr)	100		49-118
1868-53-7	Dibromofluoromethane (Surr)	120		60-132
2037-26-5	Toluene-d8 (Surr)	105		53-124

Report Date: 04-Aug-2022 13:25:43 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080409.D
Lims ID: 180-142292-F-2-A MSD
Client ID:
Sample Type: MSD
Inject. Date: 04-Aug-2022 12:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-009
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 13:25:42 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 13:25:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	3.055	3.071	-0.016	87	190676	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	5.847	5.852	-0.005	98	1638152	50.0	50.0	
* 3 Chlorobenzene-d5	119	9.682	9.687	-0.005	90	250160	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	11.811	11.811	0.000	96	453804	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	5.040	5.045	-0.005	56	325126	50.0	59.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.435	5.441	-0.006	99	325093	50.0	58.9	
$ 7 Toluene-d8 (Surr)	98	7.853	7.853	0.000	95	1646211	50.0	52.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.854	10.859	-0.005	91	419887	50.0	49.8	
$ 141 Total BTEX	95	10.854	10.859	-0.005	0	419445	NR	NR	
10 Dichlorodifluoromethane	85	1.253	1.253	0.000	98	956702	50.0	43.0	
11 Chloromethane	50	1.386	1.386	0.000	99	1095451	50.0	51.4	
12 Vinyl chloride	62	1.472	1.472	0.000	98	1320330	50.0	57.5	
13 Butadiene	39	1.493	1.499	-0.006	88	1308522	50.0	57.4	
14 Bromomethane	94	1.729	1.729	0.000	92	405218	50.0	56.3	
15 Chloroethane	64	1.809	1.809	0.000	98	750733	50.0	73.9	
17 Dichlorofluoromethane	67	1.969	1.975	-0.006	97	1672658	50.0	75.1	
16 Trichlorofluoromethane	101	2.012	2.017	-0.005	98	1800610	50.0	76.0	
18 Ethyl ether	59	2.269	2.280	-0.011	96	252273	50.0	56.6	
19 1,1-Dichloroethene	96	2.472	2.477	-0.005	91	753119	50.0	64.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.478	2.488	-0.010	94	972166	50.0	73.0	
26 Acetone	43	2.542	2.547	-0.005	98	97281	50.0	22.6	7a
23 Iodomethane	142	2.622	2.622	0.000	99	475734	50.0	56.0	
20 Carbon disulfide	76	2.675	2.681	-0.006	99	2365654	50.0	58.7	
22 3-Chloro-1-propene	76	2.841	2.846	-0.005	87	353421	50.0	57.2	
28 Methyl acetate	43	2.879	2.884	-0.005	97	219466	100.0	115.5	
25 Methylene Chloride	84	2.975	2.980	-0.005	95	634674	50.0	90.8	
31 2-Methyl-2-propanol	59	3.157	3.167	-0.010	90	116543	500.0	452.1	
33 Acrylonitrile	53	3.269	3.274	-0.005	96	565506	500.0	631.6	
27 trans-1,2-Dichloroethene	96	3.280	3.285	-0.005	92	735286	50.0	68.0	
29 Methyl tert-butyl ether	73	3.307	3.312	-0.005	96	493547	50.0	47.0	
30 Hexane	57	3.601	3.606	-0.005	93	2337382	50.0	58.9	
32 1,1-Dichloroethane	63	3.767	3.772	-0.005	97	1113467	50.0	52.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 2,2-Dichloropropane	77	4.446	4.451	-0.005	83	849838	50.0	39.9	
36 cis-1,2-Dichloroethene	96	4.451	4.462	-0.011	89	434373	50.0	50.0	
45 2-Butanone (MEK)	43	4.515	4.515	0.000	99	91750	50.0	46.0	
39 Chlorobromomethane	128	4.735	4.740	-0.005	92	110602	50.0	51.7	
63 Tetrahydrofuran	42	4.810	4.815	-0.005	0	40143	100.0	41.4	
40 Chloroform	83	4.847	4.852	-0.005	96	984734	50.0	58.3	
38 Cyclohexane	56	5.098	4.863	0.235	95	1799720	50.0	47.1	a
42 1,1,1-Trichloroethane	97	5.040	5.050	-0.010	94	1072807	50.0	51.2	
41 Carbon tetrachloride	117	5.237	5.243	-0.006	96	981158	50.0	54.4	
44 1,1-Dichloropropene	75	5.248	5.248	0.000	91	1029165	50.0	50.9	
47 Benzene	78	5.494	5.499	-0.005	98	2092914	50.0	51.6	
49 1,2-Dichloroethane	62	5.526	5.537	-0.011	96	392822	50.0	53.6	
67 Isobutyl alcohol	41	5.505	5.580	-0.075	88	85973	1250.0	919.4	
48 n-Heptane	43	5.863	5.868	-0.005	93	1733648	50.0	47.2	
51 Trichloroethene	130	6.302	6.302	0.000	94	578409	50.0	50.4	
50 Methylcyclohexane	83	6.527	6.526	0.000	97	1535390	50.0	49.9	
54 1,2-Dichloropropane	63	6.580	6.585	-0.005	89	397068	50.0	49.1	
52 Dibromomethane	93	6.719	6.724	-0.005	95	107590	50.0	57.0	
57 1,4-Dioxane	88	6.789	6.799	-0.010	64	19335	1000.0	569.6	
56 Dichlorobromomethane	83	6.944	6.944	0.000	95	353622	50.0	46.9	
61 cis-1,3-Dichloropropene	75	7.516	7.521	-0.005	88	264523	50.0	31.5	
66 4-Methyl-2-pentanone (MIBK)	43	7.762	7.762	0.000	98	72058	50.0	34.1	
64 Toluene	91	7.939	7.938	0.001	97	2186124	50.0	58.7	
68 trans-1,3-Dichloropropene	75	8.254	8.254	0.000	99	175319	50.0	35.3	
72 Ethyl methacrylate	69	8.425	8.430	-0.005	94	77987	50.0	24.8	
71 1,1,2-Trichloroethane	97	8.484	8.489	-0.005	96	141394	50.0	57.8	
65 Tetrachloroethene	164	8.639	8.644	-0.005	94	562688	50.0	62.0	
74 1,3-Dichloropropane	76	8.698	8.703	-0.005	95	263483	50.0	55.9	
79 2-Hexanone	43	8.864	8.869	-0.005	96	61182	50.0	29.2	
73 Chlorodibromomethane	129	8.982	8.992	-0.010	91	110666	50.0	43.9	
76 Ethylene Dibromide	107	9.121	9.115	0.006	98	108852	50.0	53.0	
80 Chlorobenzene	112	9.714	9.714	0.000	91	1022010	50.0	56.2	
83 1,1,1,2-Tetrachloroethane	131	9.821	9.816	0.005	87	261217	50.0	52.6	
82 Ethylbenzene	106	9.853	9.853	0.000	99	768556	50.0	54.5	
85 m-Xylene & p-Xylene	106	9.982	9.982	0.000	99	982022	50.0	57.5	
86 o-Xylene	106	10.378	10.377	0.001	97	752575	50.0	53.9	
88 Styrene	104	10.394	10.393	0.001	94	1059317	50.0	59.3	
87 Bromoform	173	10.549	10.554	-0.005	93	44700	50.0	43.7	
89 Isopropylbenzene	105	10.731	10.730	0.001	97	2737185	50.0	55.8	
91 Bromobenzene	156	10.982	10.982	0.000	96	334428	50.0	42.0	
93 1,1,2,2-Tetrachloroethane	83	11.009	11.003	0.006	95	124076	50.0	55.5	
95 1,2,3-Trichloropropane	110	11.030	11.035	-0.005	89	36564	50.0	37.6	
92 N-Propylbenzene	120	11.094	11.094	0.000	99	751554	50.0	42.3	
94 2-Chlorotoluene	126	11.153	11.153	0.000	94	494838	50.0	42.7	
96 1,3,5-Trimethylbenzene	105	11.244	11.244	0.000	93	2172432	50.0	43.8	
98 4-Chlorotoluene	126	11.244	11.249	-0.005	96	477031	50.0	43.2	
99 tert-Butylbenzene	119	11.506	11.506	0.000	94	1988361	50.0	40.9	
101 1,2,4-Trimethylbenzene	105	11.549	11.549	0.000	98	1951406	50.0	43.7	
102 sec-Butylbenzene	105	11.683	11.682	0.001	95	3436111	50.0	43.6	
104 1,3-Dichlorobenzene	146	11.757	11.757	0.000	96	772366	50.0	45.6	
103 4-Isopropyltoluene	119	11.795	11.800	-0.005	96	2514739	50.0	44.3	
97 trans-1,4-Dichloro-2-butene	53	11.800	11.800	0.000	40	63920	50.0	66.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
105 1,4-Dichlorobenzene	146	11.827	11.827	0.000	92	715759	50.0	45.4	
106 n-Butylbenzene	91	12.105	12.105	0.000	98	2438868	50.0	45.0	
107 1,2-Dichlorobenzene	146	12.110	12.110	0.000	56	563312	50.0	48.3	
109 1,2-Dibromo-3-Chloropropane	75	12.677	12.677	0.000	72	8291	50.0	23.2	
111 1,2,4-Trichlorobenzene	180	13.244	13.244	0.000	93	241938	50.0	33.1	
110 Hexachlorobutadiene	225	13.357	13.357	0.000	96	528106	50.0	53.3	
113 Naphthalene	128	13.410	13.410	0.000	97	136854	50.0	25.1	
114 1,2,3-Trichlorobenzene	180	13.565	13.571	-0.005	95	187950	50.0	37.3	
S 129 Xylenes, Total	106				0		100.0	111.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	118.0	
S 131 1,3-Dichloropropene, Total	1				0		100.0	66.8	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
a - User Assigned ID

Reagents:

VOA8260VOAPRI_00531	Amount Added:	2.00	Units: uL	
VOA8260INT_00139	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00137	Amount Added:	2.00	Units: uL	Run Reagent

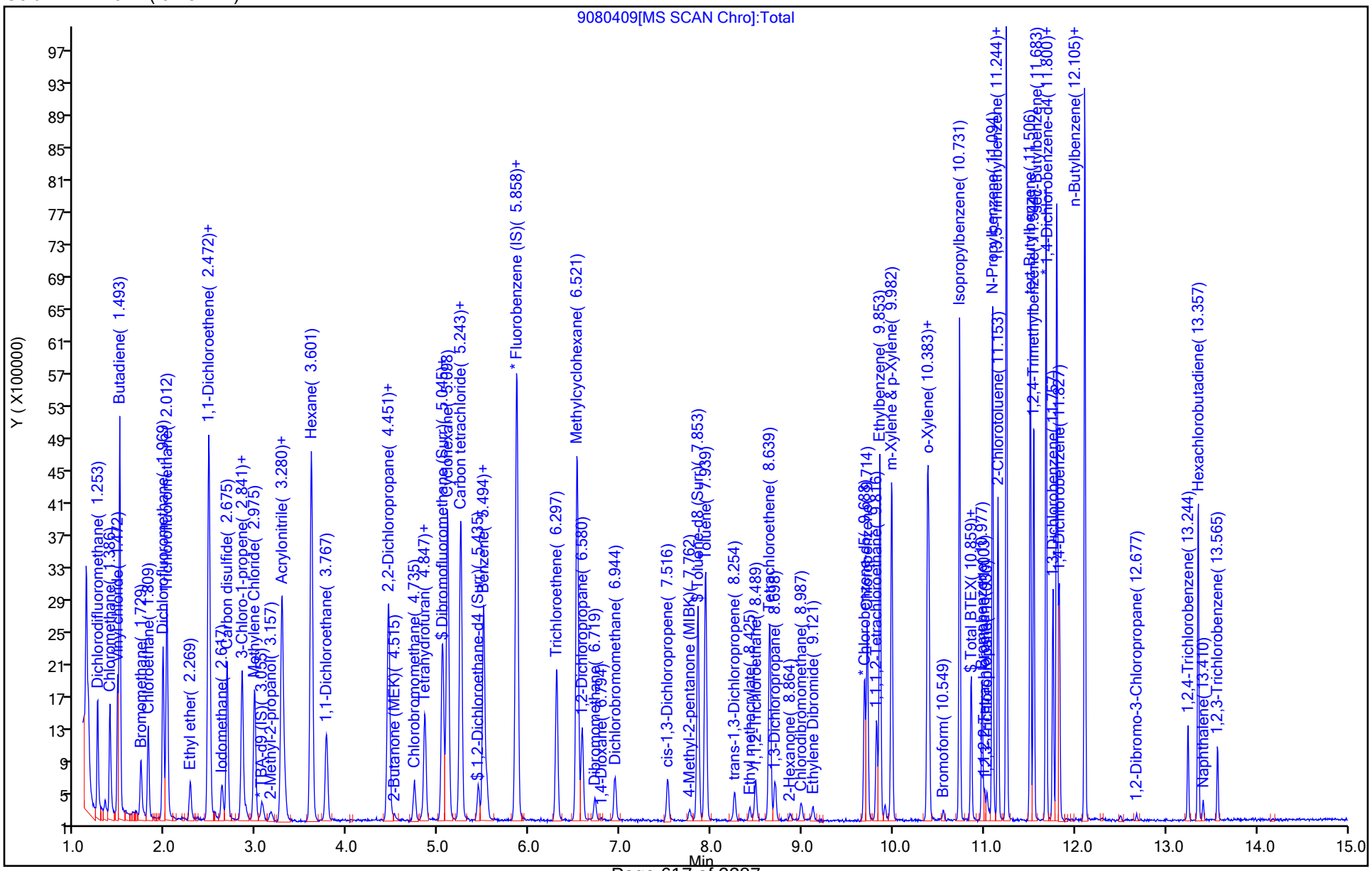
Report Date: 04-Aug-2022 13:25:43 Chrom Revision: 2.3 29-Jul-2022 15:21:48

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080409.D

Injection Date:	04-Aug-2022 12:55:30	Instrument ID:	CHHP9	Operator ID:	034635 Patrick Journet
Lims ID:	180-142292-F-2-A MSD			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_CHHP9	Limit Group:	VOA 8260C_D ICAL		

Column: DB-624 (0.18 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\9080409.D
Lims ID: 180-142292-F-2-A MSD
Client ID:
Sample Type: MSD
Inject. Date: 04-Aug-2022 12:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0044067-009
Operator ID: 034635 Patrick Journet Instrument ID: CHHP9

Method: \\chromfs\Pittsburgh\ChromData\CHHP9\20220804-44067.b\MSVOA_CHHP9.m
Limit Group: VOA 8260C_D ICAL
Last Update: 04-Aug-2022 13:25:42 Calib Date: 19-May-2022 13:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP9\20220519-42928.b\9051914.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WVZ3 Date: 04-Aug-2022 13:25:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 Dibromofluoromethane (Surr)	50.0	59.8	119.54
$ 6 1,2-Dichloroethane-d4 (Surr)	50.0	58.9	117.81
$ 7 Toluene-d8 (Surr)	50.0	52.6	105.14
$ 8 4-Bromofluorobenzene (Surr)	50.0	49.8	99.63
$ 141 Total BTEX	250.0	0	0.00

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHHP9 Start Date: 05/19/2022 08:13

Analysis Batch Number: 399329 End Date: 05/19/2022 15:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-399329/1		05/19/2022 08:13	1	9051901.D	DB-624 0.18(mm)
IC 180-399329/7		05/19/2022 11:20	1	9051907.D	DB-624 0.18(mm)
IC 180-399329/8		05/19/2022 11:42	1	9051908.D	DB-624 0.18(mm)
ICIS 180-399329/9		05/19/2022 12:03	1	9051909.D	DB-624 0.18(mm)
IC 180-399329/10		05/19/2022 12:24	1	9051910.D	DB-624 0.18(mm)
IC 180-399329/11		05/19/2022 12:46	1	9051911.D	DB-624 0.18(mm)
IC 180-399329/12		05/19/2022 13:07	1	9051912.D	DB-624 0.18(mm)
IC 180-399329/13		05/19/2022 13:28	1	9051913.D	DB-624 0.18(mm)
IC 180-399329/14		05/19/2022 13:50	1	9051914.D	DB-624 0.18(mm)
ZZZZZ		05/19/2022 15:16	1		DB-624 0.18(mm)
ICV 180-399329/19		05/19/2022 15:37	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHHP9 Start Date: 08/04/2022 09:11

Analysis Batch Number: 407435 End Date: 08/04/2022 19:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-407435/1		08/04/2022 09:11	1	9080401.D	DB-624 0.18(mm)
CCVIS 180-407435/2		08/04/2022 10:21	1	9080402.D	DB-624 0.18(mm)
LCS 180-407435/3		08/04/2022 10:44	1	9080403.D	DB-624 0.18(mm)
ZZZZZ		08/04/2022 11:05	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 11:27	1		DB-624 0.18(mm)
180-142292-2	TI-NA-FL-D-2207270900	08/04/2022 12:12	1	9080407.D	DB-624 0.18(mm)
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	08/04/2022 12:33	1	9080408.D	DB-624 0.18(mm)
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	08/04/2022 12:55	1	9080409.D	DB-624 0.18(mm)
ZZZZZ		08/04/2022 13:17	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 13:38	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 14:00	1		DB-624 0.18(mm)
LB 180-407277/1-A		08/04/2022 14:21	1	9080413.D	DB-624 0.18(mm)
ZZZZZ		08/04/2022 14:43	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 15:04	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 15:26	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 15:47	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 16:09	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 16:52	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 17:13	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 17:35	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 17:56	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 18:18	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 18:39	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 19:01	1		DB-624 0.18(mm)
ZZZZZ		08/04/2022 19:44	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 399329 Batch Start Date: 05/19/22 08:13 Batch Analyst: Tang, Jianwu 1

Batch Method: EPA 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VOA8260INT 00136	VOA8260SURR 00134	VOA8260VOAPRI 00516	VOABFB25 00149
BFB 180-399329/1		EPA 8260D		5 mL	5 mL				1 uL
IC 180-399329/7		EPA 8260D		5 mL	5 mL	2 uL	0.2 uL	0.2 uL	
IC 180-399329/8		EPA 8260D		5 mL	5 mL	2 uL	1 uL	1 uL	
ICIS 180-399329/9		EPA 8260D		5 mL	5 mL	2 uL	2 uL	2 uL	
IC 180-399329/10		EPA 8260D		5 mL	5 mL	2 uL	3 uL	3 uL	
IC 180-399329/11		EPA 8260D		5 mL	5 mL	2 uL	4 uL	4 uL	
IC 180-399329/12		EPA 8260D		5 mL	5 mL	2 uL	7 uL	7 uL	
IC 180-399329/13		EPA 8260D		5 mL	5 mL	2 uL	8 uL	8 uL	
IC 180-399329/14		EPA 8260D		5 mL	5 mL	2 uL	10 uL	10 uL	

Batch Notes	
pH Indicator ID	HC045935
Vial Lot Number	0204201G
Batch Comment	4292561

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407277 Batch Start Date: 08/03/22 07:21 Batch Analyst: Tronzo, Craig R

Batch Method: EPA 1311 Batch End Date: 08/03/22 16:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VesselNumber	FiltCompDate	FiltCompTime	LeachatepH
LB 180-407277/1		EPA 1311, EPA 8260D		25 g	500 mL	7	080422	0450	5.13
180-142292-F-2	TI-NA-FL-D-22072 70900	EPA 1311, EPA 8260D	P	25.33 g	500 mL	B10	080422	0450	5.33

Batch Notes	
Thermometer ID	TCLP-2
First Start time	07/29/22 8:00 AM
First End time	07/30/22 2:00 AM
Tumbler Rotations per Minute	31
Balance ID	T0358722
Room Temperature Thermometer ID	FISHER-160719045
TCLP Fluid pH	4.94 SU
TCLP Fluid 1 ID	4888931
Uncorrected Minimum Temperature	23 Celsius
Minumum Temperature	23 Celsius
Uncorrected Maximum Temperature	25 Celsius
Maximum Temperature	25 Celsius
pH Buffer 1 ID	4817262
pH Buffer 2 ID	4472515
pH Buffer 3 ID	4538548
pH Buffer 4 ID	4413593
pH Meter Calibration Slope	96.5%
pH Meter ID	pH273-15793
Probe ID	XP1-16342
Filter Paper ID	4418645
Filtration Start Time	07/30/2022 02:10
Filtration End Time	07/30/2022 03:40
Batch Comment	pH buffer 13:4538464 pH buffer 7 2nd source:4538571

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407277 Batch Start Date: 08/03/22 07:21 Batch Analyst: Tronzo, Craig R

Batch Method: EPA 1311 Batch End Date: 08/03/22 16:50

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407435 Batch Start Date: 08/04/22 09:11 Batch Analyst: Tang, Jianwu 1

Batch Method: EPA 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	VOA8260INT 00139	VOA8260SURR 00137	VOA8260VOAPRI 00531
BFB 180-407435/1		EPA 8260D		5 mL	5 mL				
CCVIS 180-407435/2		EPA 8260D		5 mL	5 mL		2 uL	2 uL	2 uL
LCS 180-407435/3		EPA 8260D		5 mL	5 mL		2 uL	2 uL	2 uL
180-142292-F-2-A	TI-NA-FL-D-22072 70900	EPA 8260D	P	0.25 mL	5 mL	TCLP SU	2 uL	2 uL	
180-142292-F-2-A MS	TI-NA-FL-D-22072 70900	EPA 8260D	P	0.25 mL	5 mL	TCLP SU	2 uL	2 uL	2 uL
180-142292-F-2-A MSD	TI-NA-FL-D-22072 70900	EPA 8260D	P	0.25 mL	5 mL	TCLP SU	2 uL	2 uL	2 uL
LB 180-407277/1-A		EPA 8260D		0.25 mL	5 mL	TCLP SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOABFB25 00151					
BFB 180-407435/1		EPA 8260D		1 uL					
CCVIS 180-407435/2		EPA 8260D							
LCS 180-407435/3		EPA 8260D							
180-142292-F-2-A	TI-NA-FL-D-22072 70900	EPA 8260D	P						
180-142292-F-2-A MS	TI-NA-FL-D-22072 70900	EPA 8260D	P						
180-142292-F-2-A MSD	TI-NA-FL-D-22072 70900	EPA 8260D	P						
LB 180-407277/1-A		EPA 8260D							

Batch Notes	
pH Indicator ID	HC045935
Vial Lot Number	0204201G
Batch Comment	4890975

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407435 Batch Start Date: 08/04/22 09:11 Batch Analyst: Tang, Jianwu 1

Batch Method: EPA 8260D Batch End Date:

Basis	Basis Description
P	TCLP

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.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rxi-5SilMS ID: 0.32(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
TI-NA-FL-D-220727090 0	180-142292-1	61	60	66	61	63	57
	MB 180-408319/1-A	69	73	69	65	72	62
	LB 180-408025/1-D	68	70	70	63	71	62
	LCS 180-408319/2-A	71	76	71	68	78	69
	LCSD 180-408319/3-A	71	76	74	70	79	70

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	55-105
PHL = Phenol-d5 (Surr)	48-105
NBZ = Nitrobenzene-d5 (Surr)	55-109
FBP = 2-Fluorobiphenyl	55-105
TBP = 2,4,6-Tribromophenol (Surr)	32-115
TPHL = Terphenyl-d14 (Surr)	37-107

Column to be used to flag recovery values

FORM II EPA 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M0812007.D

Lab ID: LCS 180-408319/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	0.250	0.192	77	61-100	
2,4,5-Trichlorophenol	0.250	0.191	76	53-104	
2,4,6-Trichlorophenol	0.250	0.187	75	53-103	
2,4-Dinitrotoluene	0.250	0.156	62	43-100	
Cresols, Total	0.750	0.610	81	58-100	
Hexachlorobenzene	0.250	0.113	45	34-100	
Hexachlorobutadiene	0.250	0.187	75	52-110	
Hexachloroethane	0.250	0.176	71	56-100	
m & p-Cresol	0.500	0.402	80	59-100	
Nitrobenzene	0.250	0.171	68	60-100	
o-Cresol	0.250	0.208	83	56-100	
Pentachlorophenol	0.250	0.146 J	59	14-112	
Pyridine	0.250	0.185	74	54-107	

Column to be used to flag recovery and RPD values

FORM III EPA 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M0812008.D

Lab ID: LCSD 180-408319/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	0.250	0.190	76	1	15	61-100	
2,4,5-Trichlorophenol	0.250	0.194	78	1	15	53-104	
2,4,6-Trichlorophenol	0.250	0.187	75	0	15	53-103	
2,4-Dinitrotoluene	0.250	0.164	66	5	15	43-100	
Cresols, Total	0.750	0.596	79	2	15	58-100	
Hexachlorobenzene	0.250	0.112	45	1	15	34-100	
Hexachlorobutadiene	0.250	0.188	75	1	15	52-110	
Hexachloroethane	0.250	0.177	71	0	15	56-100	
m & p-Cresol	0.500	0.399	80	1	15	59-100	
Nitrobenzene	0.250	0.171	69	0	15	60-100	
o-Cresol	0.250	0.196	78	6	15	56-100	
Pentachlorophenol	0.250	0.147 J	59	1	18	14-112	
Pyridine	0.250	0.190	76	3	15	54-107	

Column to be used to flag recovery and RPD values

FORM III EPA 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab File ID: M0812006.D Lab Sample ID: MB 180-408319/1-A

Matrix: Water Date Extracted: 08/11/2022 07:00

Instrument ID: CHMSD7 Date Analyzed: 08/12/2022 10:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-408319/2-A	M0812007.D	08/12/2022 10:42
	LCSD 180-408319/3-A	M0812008.D	08/12/2022 11:02
	LB 180-408025/1-D	M0812017.D	08/12/2022 14:16
TI-NA-FL-D-2207270900	180-142292-1	M0812031.D	08/12/2022 19:02

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

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
	IC 180-408103/3	M0810003.D	08/10/2022	6:34
	IC 180-408103/4	M0810004.D	08/10/2022	6:56
	IC 180-408103/5	M0810005.D	08/10/2022	7:18
	ICIS 180-408103/6	M0810006.D	08/10/2022	7:40
	IC 180-408103/7	M0810007.D	08/10/2022	8:02
	IC 180-408103/8	M0810008.D	08/10/2022	8:24
	IC 180-408103/9	M0810009.D	08/10/2022	8:46
	IC 180-408103/10	M0810010.D	08/10/2022	9:08

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab File ID: M0812002.D DFTPP Injection Date: 08/12/2022

Instrument ID: CHMSD7 DFTPP Injection Time: 09:03

Analysis Batch No.: 408454

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.3	
68	Less than 2.0 % of mass 69	0.3	(0.6) 1
69	Mass 69 relative abundance	45.5	
70	Less than 2.0 % of mass 69	0.3	(0.6) 1
127	40.0 - 60.0 % of mass 198	43.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	4.2	
441	Present but less than mass 443	7.3	(74.2) 3
442	Greater than 40.0 % of mass 198	50.6	
443	17.0 - 23.0 % of mass 442	9.8	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-408454/3	M0812003.D	08/12/2022	9:20
	MB 180-408319/1-A	M0812006.D	08/12/2022	10:23
	LCS 180-408319/2-A	M0812007.D	08/12/2022	10:42
	LCSD 180-408319/3-A	M0812008.D	08/12/2022	11:02
	LB 180-408025/1-D	M0812017.D	08/12/2022	14:16
TI-NA-FL-D-2207270900	180-142292-1	M0812031.D	08/12/2022	19:02

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408454/3 Date Analyzed: 08/12/2022 09:20

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): M0812003.D Heated Purge: (Y/N) N

Calibration ID: 49373

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		97701	5.75	346516	6.96	207074	8.56
UPPER LIMIT		195402	6.25	693032	7.46	414148	9.06
LOWER LIMIT		48851	5.25	173258	6.46	103537	8.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-408319/1-A		124733	5.75	460215	6.95	281328	8.55
LCS 180-408319/2-A		115193	5.75	407584	6.95	248225	8.55
LCSD 180-408319/3-A		113102	5.76	398067	6.95	235620	8.55
LB 180-408025/1-D		135984	5.76	476740	6.95	292992	8.54
180-142292-1	TI-NA-FL-D-2207270900	159923	5.75	547775	6.94	337571	8.54

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 EPA 8270E

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408454/3 Date Analyzed: 08/12/2022 09:20

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): M0812003.D Heated Purge: (Y/N) N

Calibration ID: 49373

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		436075	9.90	507316	13.08	463242	14.99
UPPER LIMIT		872150	10.40	1014632	13.58	926484	15.49
LOWER LIMIT		218038	9.40	253658	12.58	231621	14.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-408319/1-A		592116	9.89	686597	13.07	606428	14.98
LCS 180-408319/2-A		539510	9.90	607992	13.08	535633	14.98
LCSD 180-408319/3-A		510171	9.90	586895	13.07	533319	14.99
LB 180-408025/1-D		616964	9.89	695900	13.06	624244	14.98
180-142292-1	TI-NA-FL-D-2207270900	750651	9.88	851272	13.06	797257	14.97

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 EPA 8270E

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 | Lab Sample ID: 180-142292-1

Matrix: Solid (TCLP) | Lab File ID: M0812031.D

Analysis Method: EPA 8270E | Date Collected: 07/27/2022 09:00

Extract. Method: 3510C | Date Extracted: 08/11/2022 07:00

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2022 19:02

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 408454 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.050	0.0045
95-95-4	2,4,5-Trichlorophenol	ND		0.050	0.0079
88-06-2	2,4,6-Trichlorophenol	ND		0.050	0.0095
121-14-2	2,4-Dinitrotoluene	ND		0.050	0.0079
1319-77-3	Cresols, Total	ND		0.10	0.012
118-74-1	Hexachlorobenzene	ND		0.050	0.0055
87-68-3	Hexachlorobutadiene	ND		0.050	0.0084
67-72-1	Hexachloroethane	ND		0.050	0.0040
106-44-5	m & p-Cresol	ND		0.050	0.0079
98-95-3	Nitrobenzene	ND		0.050	0.012
95-48-7	o-Cresol	ND		0.050	0.0040
87-86-5	Pentachlorophenol	ND		0.25	0.0075
110-86-1	Pyridine	ND		0.10	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	63		32-115
321-60-8	2-Fluorobiphenyl	61		55-105
367-12-4	2-Fluorophenol (Surr)	61		55-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		55-109
4165-62-2	Phenol-d5 (Surr)	60		48-105
1718-51-0	Terphenyl-d14 (Surr)	57		37-107

Report Date: 13-Aug-2022 07:12:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812031.D
Lims ID: 180-142292-C-1-G
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 19:02:30 ALS Bottle#: 30 Worklist Smp#: 31
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-031
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 07:06:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.749	5.753	-0.004	95	159923	8.00	
* 2 Naphthalene-d8	136	6.940	6.950	-0.010	99	547775	8.00	
* 3 Acenaphthene-d10	164	8.543	8.552	-0.009	94	337571	8.00	
* 4 Phenanthrene-d10	188	9.884	9.898	-0.014	94	750651	8.00	
* 5 Chrysene-d12	240	13.057	13.072	-0.015	96	851272	8.00	
* 6 Perylene-d12	264	14.970	14.984	-0.014	98	797257	8.00	
$ 7 2-Fluorophenol	112	4.403	4.380	0.023	91	499802	24.4	
$ 8 Phenol-d5	99	5.423	5.416	0.007	90	719138	24.1	
$ 9 Nitrobenzene-d5	82	6.273	6.276	-0.003	90	743233	26.3	
$ 10 2-Fluorobiphenyl	172	7.929	7.943	-0.014	100	1589996	24.5	
$ 11 2,4,6-Tribromophenol	330	9.254	9.268	-0.014	94	314458	25.2	
$ 12 Terphenyl-d14	244	11.545	11.570	-0.025	95	2638533	22.7	

QC Flag Legend
Processing Flags

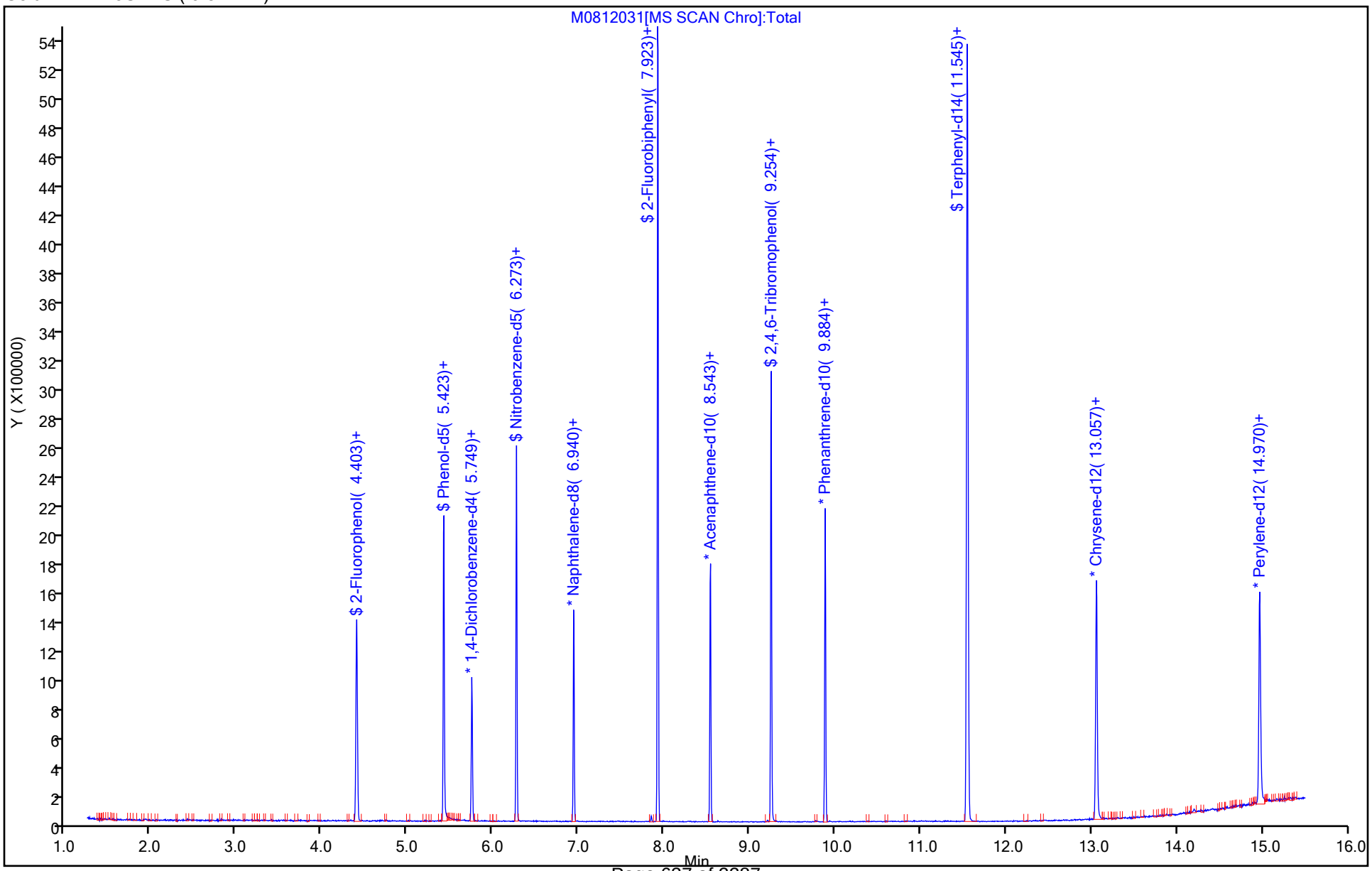
Reagents:
SVTAPITINTRNi_00029 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 13-Aug-2022 07:12:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812031.D				
Injection Date:	12-Aug-2022 19:02:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	180-142292-C-1-G	Lab Sample ID:	180-142292-1	Worklist Smp#:	31
Client ID:	TI-NA-FL-D-2207270900				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812031.D
Lims ID: 180-142292-C-1-G
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 19:02:30 ALS Bottle#: 30 Worklist Smp#: 31
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-031
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 07:06:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	24.4	60.98
$ 8 Phenol-d5	40.0	24.1	60.24
$ 9 Nitrobenzene-d5	40.0	26.3	65.85
$ 10 2-Fluorobiphenyl	40.0	24.5	61.30
$ 11 2,4,6-Tribromophenol	40.0	25.2	63.10
$ 12 Terphenyl-d14	40.0	22.7	56.74

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-408103/3	M0810003.D
Level 2	IC 180-408103/4	M0810004.D
Level 3	IC 180-408103/5	M0810005.D
Level 4	ICIS 180-408103/6	M0810006.D
Level 5	IC 180-408103/7	M0810007.D
Level 6	IC 180-408103/8	M0810008.D
Level 7	IC 180-408103/9	M0810009.D
Level 8	IC 180-408103/10	M0810010.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	0.3816 0.3325	0.3796 0.3500	0.3201 0.3413	0.3448	0.3419	Ave		0.3490			0.0100	6.2		50.0			
N-Nitrosodimethylamine	+++++ 0.4695	0.4853 0.4804	0.4428 0.4659	0.4835	0.4756	Ave		0.4719			0.0100	3.1		20.0			
Pyridine	0.9154 0.8255	0.9647 0.8350	0.8964 0.7939	0.9204	0.8412	Ave		0.8741			0.0100	6.7		50.0			
Methyl methanesulfonate	0.7182 0.5358	0.5601 0.5361	0.5752 0.5375	0.5531	0.5521	Ave		0.5710			0.0100	10.7		50.0			
Benzaldehyde	1.3076 0.9164	1.0464 0.8225	1.0240 0.7345	1.0761	1.0099	Ave		0.9922			0.0100	17.5		50.0			
Aniline	2.3329 1.7007	2.1535 1.6478	1.9495 1.6097	1.9857	1.8048	Ave		1.8981			0.0100	13.5		20.0			
Phenol	2.0339 1.4299	1.8270 1.4117	1.6254 1.3664	1.7294	1.5326	Ave		1.6195			0.8000	14.3		20.0			
Bis(2-chloroethyl)ether	1.4422 0.9268	1.0550 0.9086	0.9804 0.8856	0.9734	0.9571	Ave		1.0161			0.7000	17.7		20.0			
2-Chlorophenol	1.2719 1.1063	1.2093 1.0783	1.1364 1.0617	1.1947	1.1344	Ave		1.1491			0.8000	6.2		20.0			
n-Decane	+++++ 1.0382	1.2381 1.0124	1.0643 0.9556	1.1775	1.0358	Ave		1.0746				9.2		20.0			
1,3-Dichlorobenzene	1.9496 1.3289	1.6176 1.2593	1.4131 1.2736	1.4675	1.3883	Ave		1.4622			0.0100	15.6		20.0			
1,4-Dichlorobenzene	1.6850 1.3286	1.5230 1.2763	1.4545 1.2541	1.4186	1.3530	Ave		1.4116			0.0100	10.1		20.0			
Benzyl alcohol	0.8359 0.6973	0.6938 0.7002	0.6486 0.6977	0.7164	0.7205	Ave		0.7138			0.0100	7.6		50.0			

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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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-Dichlorobenzene	1.8484 1.2307	1.5950 1.1869	1.4245 1.1752	1.4256	1.3009	Ave		1.3984			0.0100	16.5		20.0			
Indene	3.0947 2.0386	2.4118 2.0129	2.1957 2.0234	2.2193	2.0907	Ave		2.2609			0.0100	16.0		20.0			
o-Cresol	1.1037 0.9468	1.0170 0.9256	1.0274 0.9597	1.0571	0.9909	Ave		1.0035			0.7000	6.0		20.0			
2,2'-oxybis[1-chloropropane]	2.3808 1.2730	1.6564 1.2237	1.4313 1.1872	1.4638	1.2838	Lin1	0.5877	1.2241			0.0100				0.9980		0.9900
N-Nitrosopyrrolidine	0.5735 0.5647	0.4993 0.5642	0.4886 0.5775	0.5391	0.5645	Ave		0.5464			0.0100	6.3		50.0			
Acetophenone	1.8826 1.4106	1.7092 1.3964	1.5626 1.3824	1.5477	1.4595	Ave		1.5439			0.0100	11.4		20.0			
N-Nitrosodi-n-propylamine	1.2099 0.7839	0.9418 0.7757	0.8558 0.7434	0.8932	0.8000	Ave		0.8755			0.5000	17.2		20.0			
m & p-Cresol	1.3163 0.9726	1.1023 0.9811	1.0775 0.9857	1.1185	1.0222	Ave		1.0720			0.6000	10.6		20.0			
Hexachloroethane	0.8077 0.5992	0.7476 0.5866	0.6026 0.5590	0.6471	0.5954	Ave		0.6431			0.3000	13.7		20.0			
Nitrobenzene	0.5047 0.3786	0.4547 0.3741	0.3909 0.3548	0.4103	0.3861	Ave		0.4068			0.2000	12.2		20.0			
Isophorone	0.6185 0.7152	0.6742 0.7169	0.6254 0.6764	0.6639	0.7034	Ave		0.6742			0.4000	5.6		20.0			
2-Nitrophenol	0.1228 0.1835	0.1556 0.1923	0.1595 0.1879	0.1720	0.1819	Ave		0.1694			0.1000	13.5		20.0			
2,4-Dimethylphenol	0.3881 0.3584	0.4128 0.3566	0.3707 0.3386	0.3763	0.3568	Ave		0.3698			0.2000	6.2		50.0			
Benzoic acid	0.1794 0.1820	0.1377 0.2045	0.1150 0.1965	0.1438	0.1517	Ave		0.1638			0.0100	19.2		50.0			
Bis(2-chloroethoxy)methane	0.5260 0.4181	0.5352 0.4207	0.4288 0.4123	0.4551	0.4545	Ave		0.4563			0.3000	10.6		20.0			
2,4-Dichlorophenol	0.3633 0.3283	0.3188 0.3344	0.3202 0.3202	0.3242	0.3299	Ave		0.3299			0.2000	4.4		20.0			
1,2,4-Trichlorobenzene	0.5884 0.3950	0.4625 0.3907	0.4288 0.3747	0.4067	0.4099	Ave		0.4321			0.0100	15.9		20.0			
Naphthalene	1.2689 0.9614	1.1378 1.0085	1.0670 0.9638	1.0341	1.0001	Ave		1.0552			0.7000	9.8		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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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-Chloroaniline	0.5013 0.4262	0.4726 0.4357	0.4153 0.4150	0.4302	0.4317	Ave		0.4410			0.0100	6.9		20.0			
2,6-Dichlorophenol	0.3307 0.3035	0.3284 0.3071	0.3156 0.2961	0.3104	0.3099	Ave		0.3127			0.0100	3.8		20.0			
Hexachlorobutadiene	0.3283 0.2719	0.3299 0.2747	0.3095 0.2650	0.2920	0.2881	Ave		0.2949			0.0100	8.5		20.0			
Caprolactam	+++++ 0.0823	0.0410 0.0891	0.0476 0.0874	0.0627	0.0810	Lin1	-0.133	0.0883			0.0100				0.9970		0.9900
4-Chloro-3-methylphenol	0.2428 0.3232	0.2909 0.3280	0.3041 0.3139	0.3169	0.3213	Ave		0.3051			0.2000	9.1		20.0			
2-Methylnaphthalene	0.7817 0.6557	0.7355 0.6708	0.6891 0.6418	0.6763	0.6739	Ave		0.6906			0.4000	6.7		20.0			
1-Methylnaphthalene	0.7940 0.6552	0.6970 0.6719	0.6816 0.6481	0.6735	0.6669	Ave		0.6860			0.0100	6.7		20.0			
Hexachlorocyclopentadiene	0.5580 0.6275	0.6060 0.6243	0.5338 0.6393	0.6036	0.5907	Ave		0.5979			0.0500	6.0		50.0			
1,2,4,5-Tetrachlorobenzene	0.9564 0.7428	0.8934 0.7020	0.8041 0.6995	0.8153	0.7287	Ave		0.7928			0.0100	11.8		20.0			
2,4,6-Trichlorophenol	0.4171 0.4687	0.4150 0.4605	0.4073 0.4774	0.4388	0.4597	Ave		0.4431			0.2000	6.1		20.0			
2,4,5-Trichlorophenol	0.3911 0.4790	0.4706 0.4778	0.4314 0.4744	0.4949	0.4661	Ave		0.4607			0.2000	7.3		20.0			
1,1'-Biphenyl	1.7466 1.4649	1.6169 1.4277	1.4929 1.4742	1.4810	1.4015	Ave		1.5132			0.0100	7.5		20.0			
2-Chloronaphthalene	1.4525 1.1378	1.3427 1.1014	1.1865 1.1057	1.1888	1.1142	Ave		1.2037			0.8000	10.6		20.0			
2-Nitroaniline	0.3031 0.4074	0.2998 0.4038	0.3112 0.4068	0.3725	0.3731	Ave		0.3597			0.0100	13.3		20.0			
Dimethyl phthalate	1.5177 1.4319	1.4416 1.3641	1.3008 1.4010	1.4169	1.3662	Ave		1.4050			0.0100	4.6		20.0			
1,3-Dinitrobenzene	+++++ 0.1815	0.1139 0.1787	0.1269 0.1819	0.1545	0.1702	Ave		0.1582			0.0100	17.6		50.0			
2,6-Dinitrotoluene	+++++ 0.2893	0.3714 0.2848	0.2566 0.2899	0.2768	0.2689	Ave		0.2911			0.2000	12.8		20.0			
Acenaphthylene	1.8459 1.7961	1.7638 1.7507	1.6658 1.7701	1.7959	1.6787	Ave		1.7584			0.9000	3.4		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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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	0.2133 0.3081	0.2323 0.3058	0.2378 0.3165	0.2727	0.2857	Ave		0.2715			0.0100	14.5		20.0			
Acenaphthene	1.3989 1.1446	1.2296 1.1170	1.1038 1.1242	1.1390	1.0819	Ave		1.1674			0.9000	8.8		20.0			
2,4-Dinitrophenol	+++++ 0.1977	0.1363 0.2082	0.1351 +++++	0.1479	0.1750	Ave		0.1667			0.0100	19.0		50.0			
4-Nitrophenol	0.1460 0.2564	0.2197 0.2493	0.2016 0.2465	0.2527	0.2457	Ave		0.2272			0.0100	16.6		50.0			
2,4-Dinitrotoluene	0.3029 0.4098	0.3334 0.3964	0.3326 0.4051	0.3823	0.3705	Ave		0.3666			0.2000	10.7		20.0			
Dibenzofuran	1.9692 1.6127	1.8171 1.5688	1.6569 1.5942	1.6698	1.5645	Ave		1.6816			0.8000	8.4		20.0			
2,3,5,6-Tetrachlorophenol	0.4012 0.4849	0.4378 0.4744	0.4107 0.4967	0.4443	0.4483	Ave		0.4498			0.0100	7.6		20.0			
2,3,4,6-Tetrachlorophenol	0.4086 0.4648	0.4534 0.4370	0.4183 0.4651	0.4579	0.4534	Ave		0.4448			0.0100	4.8		20.0			
2-Naphthylamine	0.9039 1.1120	1.0991 1.0921	0.9830 1.0974	1.0163	1.0505	Ave		1.0443			0.0100	7.0		50.0			
Diethyl phthalate	1.4085 1.2594	1.2351 1.2497	1.1338 1.2643	1.2520	1.2045	Ave		1.2509			0.0100	6.1		20.0			
Hexadecane	0.4180 0.3815	0.4143 0.4092	0.3530 0.3894	0.3573	0.3627	Ave		0.3857				6.8		20.0			
4-Chlorophenyl phenyl ether	1.1182 0.8230	0.9393 0.8019	0.8021 0.8261	0.8222	0.7696	Ave		0.8628			0.4000	13.3		20.0			
Fluorene	1.5306 1.3077	1.4632 1.2881	1.2831 1.3189	1.3113	1.2657	Ave		1.3461			0.9000	7.2		20.0			
4-Nitroaniline	0.1921 0.2877	0.2416 0.2779	0.2463 0.2867	0.2582	0.2657	Ave		0.2570			0.0100	12.2		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1216	0.0872 0.1278	0.0889 0.1290	0.1088	0.1162	Ave		0.1114			0.0100	15.6		50.0			
N-Nitrosodiphenylamine	0.4258 0.4446	0.4994 0.4589	0.4521 0.4485	0.4649	0.4473	Ave		0.4552			0.0100	4.7		20.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.7226 0.7392	0.7790 0.7211	0.7406 0.6811	0.7652	0.7059	Ave		0.7319			0.0100	4.3		20.0			
Azobenzene	0.7226 0.7395	0.7790 0.7209	0.7406 0.6811	0.7652	0.7059	Ave		0.7319			0.0100	4.3		20.0			

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

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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-Bromophenyl phenyl ether	0.3130 0.2656	0.3145 0.2628	0.2858 0.2581	0.2706	0.2751	Ave		0.2807			0.1000	7.9		20.0			
Hexachlorobenzene	0.4456 0.2806	0.3125 0.2763	0.3097 0.2697	0.2953	0.2853	Ave		0.3094			0.1000	18.5		20.0			
Atrazine	0.1735 0.2187	0.2015 0.2180	0.1984 0.2110	0.2205	0.2224	Ave		0.2080			0.0100	8.0		50.0			
Pentachlorophenol	0.1856 0.1852	0.1720 0.1862	0.1788 0.1895	0.1919	0.1811	Ave		0.1838			0.0500	3.4		50.0			
n-Octadecane	1.2848 1.3387	1.3027 1.3916	1.1424 1.4142	1.3295	1.2782	Ave		1.3103				6.4		20.0			
Phenanthrene	1.3028 0.9242	1.0454 0.9196	0.9831 0.9254	0.9808	0.9185	Ave		1.0000			0.7000	13.0		20.0			
Anthracene	0.9251 0.9362	1.0439 0.9369	0.9536 0.9140	0.9812	0.9463	Ave		0.9546			0.7000	4.3		20.0			
Carbazole	0.7836 0.8546	0.8928 0.8614	0.8453 0.8574	0.8938	0.8736	Ave		0.8578			0.0100	4.0		20.0			
Di-n-butyl phthalate	0.8138 1.0621	0.9042 1.0460	0.8742 1.0473	1.0329	1.0446	Ave		0.9781			0.0100	10.0		20.0			
Fluoranthene	1.2923 1.2439	1.3480 1.2191	1.2806 1.1760	1.3481	1.3072	Ave		1.2769			0.6000	4.8		20.0			
Benzidine	+++++ 0.6163	0.3493 0.5943	0.4075 0.5653	0.5338	0.6276	Lin1	-0.524	0.5992			0.0100				0.9970		0.9900
Pyrene	1.3362 1.2421	1.3258 1.2064	1.2591 1.1969	1.2603	1.2426	Ave		1.2587			0.6000	4.0		20.0			
Butyl benzyl phthalate	+++++ 0.4691	0.2629 0.4752	0.2780 0.4750	0.3743	0.4431	Lin2	-0.472	0.4611			0.0100				0.9910		0.9900
3,3'-Dichlorobenzidine	+++++ 0.5024	0.2813 0.5145	0.2983 0.5122	0.3911	0.4734	Lin1	-0.683	0.5179			0.0100				0.9980		0.9900
Benzo[a]anthracene	1.2999 1.1807	1.1824 1.1749	1.1597 1.1517	1.2198	1.1869	Ave		1.1945			0.8000	3.9		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.5717	0.3661 0.6021	0.3745 0.6043	0.4753	0.5411	Lin2	-0.504	0.5737			0.0100				0.9910		0.9900
Chrysene	1.5123 1.1134	1.3255 1.1038	1.1692 1.1005	1.1868	1.1324	Ave		1.2055			0.7000	12.0		20.0			
Di-n-octyl phthalate	+++++ 1.0623	0.7190 1.1014	0.8519 1.0695	1.3031	0.9535	Ave		1.0087			0.0100	18.7		50.0			

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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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								
7,12-Dimethylbenz(a)anthracene	0.6147 0.6207	0.6056 0.6266	0.5845 0.6294	0.5800	0.6061	Ave		0.6084			0.0100	3.0		20.0			
Benzo[b]fluoranthene	1.4628 1.3057	1.4492 1.2530	1.3991 1.2965	1.3693	1.3504	Ave		1.3607			0.7000	5.5		20.0			
Benzo[k]fluoranthene	1.7632 1.2526	1.5549 1.2738	1.5185 1.1929	1.4765	1.2954	Ave		1.4160			0.7000	13.7		20.0			
Benzo[e]pyrene	1.4881 1.1995	1.2818 1.1884	1.2801 1.1352	1.2749	1.2148	Ave		1.2579			0.0100	8.5		20.0			
Benzo[a]pyrene	1.2415 1.1185	1.1295 1.0869	1.1180 1.0464	1.1993	1.1291	Ave		1.1337			0.7000	5.4		20.0			
Indeno[1,2,3-cd]pyrene	1.1143 1.2180	1.2102 1.2071	1.1753 1.2134	1.2061	1.2199	Ave		1.1955			0.5000	3.0		20.0			
Dibenz(a,h)anthracene	0.9239 1.0499	1.0236 1.0659	1.0203 1.0641	1.0087	1.0361	Ave		1.0241			0.4000	4.4		20.0			
Benzo[g,h,i]perylene	1.1642 1.0928	1.1302 1.1007	1.0665 1.0836	1.0654	1.0829	Ave		1.0983			0.5000	3.1		20.0			
2-Fluorophenol (Surr)	1.2075 1.0323	0.9521 1.0060	0.9715 1.0064	0.9960	1.0284	Ave		1.0250				7.7		20.0			
Phenol-d5 (Surr)	1.5787 1.4255	1.6150 1.4327	1.4712 1.3887	1.5615	1.4698	Ave		1.4929				5.5		20.0			
Nitrobenzene-d5 (Surr)	0.4221 0.4010	0.4466 0.4166	0.3971 0.3879	0.4173	0.4082	Ave		0.4121				4.4		20.0			
2-Fluorobiphenyl	1.8316 1.4567	1.6612 1.3987	1.5267 1.4450	1.5516	1.4228	Ave		1.5368				9.5		20.0			
2,4,6-Tribromophenol (Surr)	0.0991 0.1429	0.1156 0.1442	0.1302 0.1501	0.1375	0.1426	Ave		0.1328			0.0100	13.0		20.0			
Terphenyl-d14 (Surr)	1.2578 1.0796	1.0980 1.0632	1.0583 1.0542	1.0530	1.0765	Ave		1.0926				6.3		20.0			

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

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-408103/3	M0810003.D
Level 2	IC 180-408103/4	M0810004.D
Level 3	IC 180-408103/5	M0810005.D
Level 4	ICIS 180-408103/6	M0810006.D
Level 5	IC 180-408103/7	M0810007.D
Level 6	IC 180-408103/8	M0810008.D
Level 7	IC 180-408103/9	M0810009.D
Level 8	IC 180-408103/10	M0810010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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	2055 178565	10123 272367	18848 367017	42210	104006	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodimethylamine	DCBd 4	Ave	+++++ 252142	12941 373838	26068 500959	59191	144668	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyridine	DCBd 4	Ave	9858 886647	51451 1299771	105551 1707159	225361	511721	0.760 80.0	4.00 120	8.00 160	20.0	40.0
Methyl methanesulfonate	DCBd 4	Ave	3867 287744	14935 417207	33865 577914	67709	167920	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzaldehyde	DCBd 4	Ave	7041 492130	27902 640140	60290 789743	131744	307172	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Aniline	DCBd 4	Ave	12562 913287	57424 1282417	114777 1730815	243096	548963	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Phenol	DCBd 4	Ave	10952 767862	48718 1098665	95697 1469165	211722	466178	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	7766 497696	28133 707142	57719 952187	119160	291120	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chlorophenol	DCBd 4	Ave	6849	32246	66906	146254	345049	0.380	2.00	4.00	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			594095	839208	1141596			40.0	60.0	80.0		
n-Decane	DCBd 4	Ave	+++++ 557535	33015 787872	62664 1027513	144155	315043	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	10498 713623	43135 980086	83196 1369443	179657	422273	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	9073 713489	40612 993288	85634 1348412	173664	411531	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzyl alcohol	DCBd 4	Ave	4501 374437	18500 544929	38184 750218	87705	219138	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	9953 660897	42531 923749	83867 1263653	174520	395686	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indene	DCBd 4	Ave	16664 1094755	64312 1566556	129274 2175612	271688	635931	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
o-Cresol	DCBd 4	Ave	5943 508429	27119 720363	60491 1031850	129415	301410	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Lin1	12820 683600	44169 952362	84270 1276474	179196	390498	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosopyrrolidine	DCBd 4	Ave	3088 303256	13313 439088	28765 620953	65995	171703	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acetophenone	DCBd 4	Ave	10137 757510	45576 1086738	91996 1486410	189475	443921	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	6515 420967	25114 603725	50385 799368	109350	243346	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
m & p-Cresol	DCBd 4	Ave	7088	29394	63439	136932	310915	0.380	2.00	4.00	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			522292	763561	1059801			40.0	60.0	80.0		
Hexachloroethane	DCBd 4	Ave	4349 321771	19934 456495	35479 601016	79223	181106	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene	NPT	Ave	9571 671884	40337 940405	76251 1282981	172683	390401	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Isophorone	NPT	Ave	11729 1269069	59813 1802433	121993 2445797	279387	711236	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitrophenol	NPT	Ave	2329 325550	13801 483541	31107 679403	72397	183894	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dimethylphenol	NPT	Ave	7360 635953	36622 896427	72312 1224503	158371	360802	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzoic acid	NPT	Ave	3402 322892	12216 514080	22425 710518	60520	153403	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-chloroethoxy)methane	NPT	Ave	9974 741932	47478 1057679	83645 1490899	191528	459590	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	6889 582545	28280 840691	62447 1157847	136457	333547	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4-Trichlorobenzene	NPT	Ave	11158 700945	41027 982184	83635 1355065	171147	414445	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Naphthalene	NPT	Ave	24063 1706064	100935 2535389	208120 3485423	435188	1011285	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloroaniline	NPT	Ave	9506 756250	41927 1095341	80997 1500752	181040	436489	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dichlorophenol	NPT	Ave	6272 538497	29131 772141	61551 1070640	130614	313324	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobutadiene	NPT	Ave	6226 482486	29266 690730	60372 958279	122907	291294	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Caprolactam	NPT	Lin1	+++++ 145988	3638 224055	9280 315873	26375	81883	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloro-3-methylphenol	NPT	Ave	4604 573498	25809 824622	59317 1135226	133386	324854	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Methylnaphthalene	NPT	Ave	14824 1163584	65248 1686451	134409 2320730	284618	681448	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1-Methylnaphthalene	NPT	Ave	15056 1162588	61836 1689311	132942 2343704	283445	674303	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Hexachlorocyclopentadiene	ANT	Ave	6497 634267	31735 943764	61482 1339410	144270	362847	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	11135 750854	46782 1061245	92615 1465559	194878	447632	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Trichlorophenol	ANT	Ave	4856 473822	21732 696255	46914 1000159	104891	282377	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,5-Trichlorophenol	ANT	Ave	4553 484228	24641 722359	49685 994032	118300	286334	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,1'-Biphenyl	ANT	Ave	20335 1480738	84670 2158418	171960 3088728	353997	860966	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chloronaphthalene	ANT	Ave	16911 1150171	70312 1665146	136670 2316735	284163	684494	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitroaniline	ANT	Ave	3529 411857	15699 610469	35851 852312	89030	229194	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dimethyl phthalate	ANT	Ave	17670 1447463	75490 2062327	149833 2935257	338669	839257	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,3-Dinitrobenzene	ANT	Ave	+++++ 183507	5964 270140	14613 381152	36937	104533	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dinitrotoluene	ANT	Ave	+++++ 292399	19446 430504	29553 607354	66162	165199	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthylene	ANT	Ave	21491 1815545	92361 2646776	191874 3708757	429263	1031265	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3-Nitroaniline	ANT	Ave	2483 311446	12163 462277	27393 663034	65181	175516	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthene	ANT	Ave	16287 1156981	64389 1688770	127142 2355349	272244	664639	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dinitrophenol	ANT	Ave	+++++ 399774	14275 629607	31117 +++++	70711	214972	+++++ 80.0	4.00 120	8.00 +++++	20.0	40.0
4-Nitrophenol	ANT	Ave	3399 518270	23014 753867	46453 1032927	120820	301892	0.760 80.0	4.00 120	8.00 160	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	3526 414229	17457 599255	38310 848821	91384	227613	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dibenzofuran	ANT	Ave	22926 1630139	95152 2371763	190844 3340071	399119	961091	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,3,5,6-Tetrachlorophenol	ANT	Ave	4671 490206	22926 717191	47310 1040632	106195	275404	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
2,3,4,6-Tetrachlorophenol	ANT	Ave	4757 469846	23744 660734	48179 974419	109451	278506	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Naphthylamine	ANT	Ave	10524 1124083	57552 1651100	113226 2299356	242931	645342	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Diethyl phthalate	ANT	Ave	16399 1273021	64677 1889314	130598 2648856	299261	739970	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexadecane	NPT	Ave	7927 677055	36753 1028686	68858 1408218	150375	366711	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chlorophenyl phenyl ether	ANT	Ave	13019 831887	49184 1212408	92392 1730742	196525	472755	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluorene	ANT	Ave	17820 1321881	76619 1947327	147797 2763316	313446	777560	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Nitroaniline	ANT	Ave	2236 290851	12653 420104	28365 600601	61709	163216	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 522760	18069 797032	38877 1165178	105385	290003	+++++ 80.0	4.00 120	8.00 160	20.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	10055 955471	51742 1431135	98885 2025193	225123	558124	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	17064 1588598	80710 2249069	162000 3075605	370528	880784	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Azobenzene	PHN	Ave	17064 1589407	80710 2248528	162000 3075605	370528	880784	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Bromophenyl phenyl ether	PHN	Ave	7391 570865	32588 819533	62513 1165457	131008	343286	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobenzene	PHN	Ave	10523 602984	32379 861601	67734 1217587	142975	355946	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Atrazine	PHN	Ave	4096 470096	20871 679863	43397 952904	106788	277522	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pentachlorophenol	PHN	Ave	8764 795982	35635 1161279	78214 1711694	185845	452039	0.760 80.0	4.00 120	8.00 160	20.0	40.0
n-Octadecane	DCBd 4	Ave	6918 718888	34738 1083051	67258 1520589	162761	388792	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Phenanthrene	PHN	Ave	30764 1986342	108311 2868134	215025 4178610	474893	1146131	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Anthracene	PHN	Ave	21846 2012073	108153 2921985	208572 4126778	475124	1180812	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Carbazole	PHN	Ave	18504 1836716	92493 2686494	184900 3871362	432763	1090019	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-butyl phthalate	PHN	Ave	19217 2282704	93677 3262216	191205 4728784	500152	1303417	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluoranthene	PHN	Ave	30516 2673429	139658 3802068	280097 5309991	652743	1631126	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzidine	CRY	Lin1	+++++ 1333950	40425 1857916	95987 2492376	277215	823873	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyrene	CRY	Ave	31161 2688547	153419 3771889	296579 5276925	654544	1631146	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Butyl benzyl phthalate	CRY	Lin2	+++++ 1015428	30423 1485831	65489 2093993	194387	581655	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3,3'-Dichlorobenzidine	CRY	Lin1	+++++ 1087449	32547 1608538	70267 2258353	203109	621368	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]anthracene	CRY	Ave	30315 2555585	136820 3673377	273148 5077448	633507	1558034	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	+++++ 1237467	42363 1882436	88219 2664135	246834	710280	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Chrysene	CRY	Ave	35269 2409982	153383 3451124	275394 4851763	616394	1486395	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-octyl phthalate	PRY	Ave	+++++ 2240486	69018 3409355	162191 4806851	596010	1196916	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
7,12-Dimethylbenz(a)anthracene	PRY	Ave	11817 1309030	58127 1939546	111284 2829032	265276	760893	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	28120 2753722	139106 3878680	266384 5826966	626276	1695195	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	33896 2641874	149253 3943013	289125 5361688	675314	1626144	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[e]pyrene	PRY	Ave	28606 2529719	123038 3678659	243726 5102342	583118	1525020	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]pyrene	PRY	Ave	23866 2359049	108416 3364580	212872 4702977	548521	1417378	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	21421 2568871	116161 3736426	223773 5453503	551657	1531372	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Dibenz(a,h)anthracene	PRY	Ave	17760 2214343	98250 3299508	194263 4782421	461362	1300588	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	22380 2304847	108482 3407320	203061 4870247	487277	1359364	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorophenol (Surr)	DCBd 4	Ave	6502 554354	25388 782918	57200 1082115	121929	312792	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Phenol-d5 (Surr)	DCBd 4	Ave	8501 765490	43064 1115002	86620 1493151	191158	447063	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene-d5 (Surr)	NPT	Ave	8005 711635	39619 1047286	77451 1402842	175631	412794	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorobiphenyl	ANT	Ave	21325 1472493	86988 2114565	175848 3027458	370877	874049	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Tribromophenol (Surr)	PHN	Ave	2341 307202	11976 449866	28472 677912	66564	177931	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Terphenyl-d14 (Surr)	CRY	Ave	29334 2336773	127062 3323920	249266 4647976	546885	1413092	0.380 40.0	2.00 60.0	4.00 80.0	10.0	20.0

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 Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-408103/3	M0810003.D
Level 2	IC 180-408103/4	M0810004.D
Level 3	IC 180-408103/5	M0810005.D
Level 4	ICIS 180-408103/6	M0810006.D
Level 5	IC 180-408103/7	M0810007.D
Level 6	IC 180-408103/8	M0810008.D
Level 7	IC 180-408103/9	M0810009.D
Level 8	IC 180-408103/10	M0810010.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	9.4 0.3	8.8 -2.2	-8.3	-1.2	-2.0	-4.7	50 30	30 30	30	30	30	30
N-Nitrosodimethylamine	+++++ 1.8	2.9 -1.3	-6.2	2.5	0.8	-0.5	 30	50 30	30	30	30	30
Pyridine	4.7 -4.5	10.4 -9.2	2.6	5.3	-3.8	-5.6	50 30	30 30	30	30	30	30
Methyl methanesulfonate	25.8 -6.1	-1.9 -5.9	0.7	-3.1	-3.3	-6.2	50 30	30 30	30	30	30	30
Benzaldehyde	31.8 -17.1	5.5 -26.0	3.2	8.5	1.8	-7.6	50 30	30 30	30	30	30	30
Aniline	22.9 -13.2	13.5 -15.2	2.7	4.6	-4.9	-10.4	50 30	30 30	30	30	30	30
Phenol	25.6 -12.8	12.8 -15.6	0.4	6.8	-5.4	-11.7	50 30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	41.9 -10.6	3.8 -12.8	-3.5	-4.2	-5.8	-8.8	50 30	30 30	30	30	30	30
2-Chlorophenol	10.7 -6.2	5.2 -7.6	-1.1	4.0	-1.3	-3.7	50 30	30 30	30	30	30	30
n-Decane	+++++ -5.8	15.2 -11.1	-1.0	9.6	-3.6	-3.4	 30	50 30	30	30	30	30
1,3-Dichlorobenzene	33.3 -13.9	10.6 -12.9	-3.4	0.4	-5.1	-9.1	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	19.4 -9.6	7.9 -11.2	3.0	0.5	-4.2	-5.9	50 30	30 30	30	30	30	30
Benzyl alcohol	17.1 -1.9	-2.8 -2.2	-9.1	0.4	0.9	-2.3	50 30	30 30	30	30	30	30
1,2-Dichlorobenzene	32.2 -15.1	14.1 -16.0	1.9	1.9	-7.0	-12.0	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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
Indene	36.9 -11.0	6.7 -10.5	-2.9	-1.8	-7.5	-9.8	50 30	30 30	30	30	30	30
o-Cresol	10.0 -7.8	1.3 -4.4	2.4	5.3	-1.3	-5.7	50 30	30 30	30	30	30	30
2,2'-oxybis[1-chloropropane]	-31.8 -0.8	11.3 -3.6	4.9	14.8	2.5	2.8	50 30	30 30	30	30	30	30
N-Nitrosopyrrolidine	5.0 3.3	-8.6 5.7	-10.6	-1.3	3.3	3.3	50 30	30 30	30	30	30	30
Acetophenone	21.9 -9.6	10.7 -10.5	1.2	0.2	-5.5	-8.6	50 30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	38.2 -11.4	7.6 -15.1	-2.2	2.0	-8.6	-10.5	50 30	30 30	30	30	30	30
m & p-Cresol	22.8 -8.5	2.8 -8.1	0.5	4.3	-4.6	-9.3	50 30	30 30	30	30	30	30
Hexachloroethane	25.6 -8.8	16.2 -13.1	-6.3	0.6	-7.4	-6.8	50 30	30 30	30	30	30	30
Nitrobenzene	24.1 -8.0	11.8 -12.8	-3.9	0.9	-5.1	-6.9	50 30	30 30	30	30	30	30
Isophorone	-8.3 6.3	0.0 0.3	-7.2	-1.5	4.3	6.1	50 30	30 30	30	30	30	30
2-Nitrophenol	-27.5 13.5	-8.2 10.9	-5.9	1.5	7.3	8.3	50 30	30 30	30	30	30	30
2,4-Dimethylphenol	5.0 -3.6	11.6 -8.4	0.3	1.8	-3.5	-3.1	50 30	30 30	30	30	30	30
Benzoic acid	9.5 24.8	-15.9 19.9	-29.8	-12.2	-7.4	11.1	50 30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	15.3 -7.8	17.3 -9.7	-6.0	-0.3	-0.4	-8.4	50 30	30 30	30	30	30	30
2,4-Dichlorophenol	10.1 1.4	-3.4 -2.9	-3.0	-1.7	0.0	-0.5	50 30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	36.2 -9.6	7.0 -13.3	-0.8	-5.9	-5.1	-8.6	50 30	30 30	30	30	30	30
Naphthalene	20.3 -4.4	7.8 -8.7	1.1	-2.0	-5.2	-8.9	50 30	30 30	30	30	30	30
4-Chloroaniline	13.7 -1.2	7.2 -5.9	-5.8	-2.5	-2.1	-3.4	50 30	30 30	30	30	30	30
2,6-Dichlorophenol	5.8 -1.8	5.0 -5.3	0.9	-0.7	-0.9	-3.0	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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
Hexachlorobutadiene	11.3 -6.8	11.9 -10.2	4.9	-1.0	-2.3	-7.8	50 30	30 30	30	30	30	30
Caprolactam	+++++ 3.4	22.0 0.8	-8.4	-13.9	-0.8	-3.1	30	50 30	30	30	30	30
4-Chloro-3-methylphenol	-20.4 7.5	-4.7 2.9	-0.3	3.9	5.3	5.9	50 30	30 30	30	30	30	30
2-Methylnaphthalene	13.2 -2.9	6.5 -7.1	-0.2	-2.1	-2.4	-5.1	50 30	30 30	30	30	30	30
1-Methylnaphthalene	15.7 -2.1	1.6 -5.5	-0.6	-1.8	-2.8	-4.5	50 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	-6.7 4.4	1.4 6.9	-10.7	1.0	-1.2	4.9	50 30	30 30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	20.6 -11.5	12.7 -11.8	1.4	2.8	-8.1	-6.3	50 30	30 30	30	30	30	30
2,4,6-Trichlorophenol	-5.9 3.9	-6.3 7.7	-8.1	-1.0	3.7	5.8	50 30	30 30	30	30	30	30
2,4,5-Trichlorophenol	-15.1 3.7	2.2 3.0	-6.4	7.4	1.2	4.0	50 30	30 30	30	30	30	30
1,1'-Biphenyl	15.4 -5.7	6.9 -2.6	-1.3	-2.1	-7.4	-3.2	50 30	30 30	30	30	30	30
2-Chloronaphthalene	20.7 -8.5	11.5 -8.1	-1.4	-1.2	-7.4	-5.5	50 30	30 30	30	30	30	30
2-Nitroaniline	-15.7 12.3	-16.7 13.1	-13.5	3.5	3.7	13.3	50 30	30 30	30	30	30	30
Dimethyl phthalate	8.0 -2.9	2.6 -0.3	-7.4	0.8	-2.8	1.9	50 30	30 30	30	30	30	30
1,3-Dinitrobenzene	+++++ 12.9	-28.0 15.0	-19.8	-2.3	7.5	14.7	30	50 30	30	30	30	30
2,6-Dinitrotoluene	+++++ -2.2	27.6 -0.4	-11.9	-4.9	-7.6	-0.6	30	50 30	30	30	30	30
Acenaphthylene	5.0 -0.4	0.3 0.7	-5.3	2.1	-4.5	2.1	50 30	30 30	30	30	30	30
3-Nitroaniline	-21.5 12.6	-14.5 16.6	-12.4	0.4	5.2	13.5	50 30	30 30	30	30	30	30
Acenaphthene	19.8 -4.3	5.3 -3.7	-5.4	-2.4	-7.3	-2.0	50 30	30 30	30	30	30	30
2,4-Dinitrophenol	+++++ 24.9	-18.2 +++++	-19.0	-11.3	5.0	18.6	30	50	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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
4-Nitrophenol	-35.8 9.7	-3.3 8.5	-11.3	11.2	8.1	12.8	50 30	30 30	30	30	30	30
2,4-Dinitrotoluene	-17.4 8.1	-9.1 10.5	-9.3	4.3	1.1	11.8	50 30	30 30	30	30	30	30
Dibenzofuran	17.1 -6.7	8.1 -5.2	-1.5	-0.7	-7.0	-4.1	50 30	30 30	30	30	30	30
2,3,5,6-Tetrachlorophenol	-10.8 5.5	-2.7 10.4	-8.7	-1.2	-0.3	7.8	50 30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	-8.1 -1.7	1.9 4.6	-6.0	2.9	1.9	4.5	50 30	30 30	30	30	30	30
2-Naphthylamine	-13.4 4.6	5.2 5.1	-5.9	-2.7	0.6	6.5	50 30	30 30	30	30	30	30
Diethyl phthalate	12.6 -0.1	-1.3 1.1	-9.4	0.1	-3.7	0.7	50 30	30 30	30	30	30	30
Hexadecane	8.4 6.1	7.4 1.0	-8.5	-7.4	-6.0	-1.1	50 30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	29.6 -7.1	8.9 -4.3	-7.0	-4.7	-10.8	-4.6	50 30	30 30	30	30	30	30
Fluorene	13.7 -4.3	8.7 -2.0	-4.7	-2.6	-6.0	-2.9	50 30	30 30	30	30	30	30
4-Nitroaniline	-25.3 8.1	-6.0 11.5	-4.2	0.5	3.4	12.0	50 30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	+++++ 14.7	-21.7 15.9	-20.2	-2.3	4.4	9.2	 30	50 30	30	30	30	30
N-Nitrosodiphenylamine	-6.5 0.8	9.7 -1.5	-0.7	2.1	-1.7	-2.3	50 30	30 30	30	30	30	30
1,2-Diphenylhydrazine(as Azobenzene)	-1.3 -1.5	6.4 -6.9	1.2	4.6	-3.5	1.0	50 30	30 30	30	30	30	30
Azobenzene	-1.3 -1.5	6.4 -6.9	1.2	4.6	-3.6	1.0	50 30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	11.5 -6.4	12.1 -8.0	1.8	-3.6	-2.0	-5.4	50 30	30 30	30	30	30	30
Hexachlorobenzene	44.1 -10.7	1.0 -12.8	0.1	-4.6	-7.8	-9.3	50 30	30 30	30	30	30	30
Atrazine	-16.6 4.8	-3.1 1.5	-4.6	6.0	6.9	5.2	50 30	30 30	30	30	30	30
Pentachlorophenol	1.0 1.3	-6.4 3.1	-2.7	4.4	-1.4	0.8	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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
n-Octadecane	-1.9 6.2	-0.6 7.9	-12.8	1.5	-2.4	2.2	50 30	30 30	30	30	30	30
Phenanthrene	30.3 -8.0	4.5 -7.5	-1.7	-1.9	-8.1	-7.6	50 30	30 30	30	30	30	30
Anthracene	-3.1 -1.9	9.4 -4.3	-0.1	2.8	-0.9	-1.9	50 30	30 30	30	30	30	30
Carbazole	-8.6 0.4	4.1 0.0	-1.5	4.2	1.8	-0.4	50 30	30 30	30	30	30	30
Di-n-butyl phthalate	-16.8 6.9	-7.6 7.1	-10.6	5.6	6.8	8.6	50 30	30 30	30	30	30	30
Fluoranthene	1.2 -4.5	5.6 -7.9	0.3	5.6	2.4	-2.6	50 30	30 30	30	30	30	30
Benzidine	+++++ 0.6	2.0 -4.6	-10.1	-2.2	9.1	5.0	 30	50 30	30	30	30	30
Pyrene	6.2 -4.2	5.3 -4.9	0.0	0.1	-1.3	-1.3	50 30	30 30	30	30	30	30
Butyl benzyl phthalate	+++++ 4.8	8.2 4.3	-14.1	-8.6	1.2	4.3	 30	50 30	30	30	30	30
3,3'-Dichlorobenzidine	+++++ 1.5	20.3 0.6	-9.4	-11.3	-2.0	0.3	 30	50 30	30	30	30	30
Benzo[a]anthracene	8.8 -1.6	-1.0 -3.6	-2.9	2.1	-0.6	-1.2	50 30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	+++++ 6.4	7.7 6.4	-12.8	-8.4	-1.3	1.9	 30	50 30	30	30	30	30
Chrysene	25.5 -8.4	10.0 -8.7	-3.0	-1.5	-6.1	-7.6	50 30	30 30	30	30	30	30
Di-n-octyl phthalate	+++++ 9.2	-28.7 6.0	-15.5	29.2	-5.5	5.3	 30	50 30	30	30	30	30
7,12-Dimethylbenz(a)anthracene	1.0 3.0	-0.5 3.4	-3.9	-4.7	-0.4	2.0	50 30	30 30	30	30	30	30
Benzo[b]fluoranthene	7.5 -7.9	6.5 -4.7	2.8	0.6	-0.8	-4.0	50 30	30 30	30	30	30	30
Benzo[k]fluoranthene	24.5 -10.0	9.8 -15.8	7.2	4.3	-8.5	-11.5	50 30	30 30	30	30	30	30
Benzo[e]pyrene	18.3 -5.5	1.9 -9.7	1.8	1.4	-3.4	-4.6	50 30	30 30	30	30	30	30
Benzo[a]pyrene	9.5 -4.1	-0.4 -7.7	-1.4	5.8	-0.4	-1.3	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 408103

SDG No.:

Instrument ID: CHMSD7 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2022 06:34 Calibration End Date: 08/10/2022 09:08 Calibration ID: 49370

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
Indeno[1,2,3-cd]pyrene	-6.8 1.0	1.2 1.5	-1.7	0.9	2.0	1.9	50 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	-9.8 4.1	0.0 3.9	-0.4	-1.5	1.2	2.5	50 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	6.0 0.2	2.9 -1.3	-2.9	-3.0	-1.4	-0.5	50 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	17.8 -1.9	-7.1 -1.8	-5.2	-2.8	0.3	0.7	50 30	30 30	30	30	30	30
Phenol-d5 (Surr)	5.8 -4.0	8.2 -7.0	-1.4	4.6	-1.5	-4.5	50 30	30 30	30	30	30	30
Nitrobenzene-d5 (Surr)	2.4 1.1	8.4 -5.9	-3.6	1.3	-0.9	-2.7	50 30	30 30	30	30	30	30
2-Fluorobiphenyl	19.2 -9.0	8.1 -6.0	-0.7	1.0	-7.4	-5.2	50 30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	-25.3 8.6	-12.9 13.1	-2.0	3.5	7.4	7.6	50 30	30 30	30	30	30	30
Terphenyl-d14 (Surr)	15.1 -2.7	0.5 -3.5	-3.1	-3.6	-1.5	-1.2	50 30	30 30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Aug-2022 06:34:30 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-003
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:06 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:38:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.752	5.752	0.000	95	113361	8.00	8.00	
* 2 Naphthalene-d8	136	6.949	6.949	0.000	99	399223	8.00	8.00	
* 3 Acenaphthene-d10	164	8.551	8.551	0.000	92	245107	8.00	8.00	
* 4 Phenanthrene-d10	188	9.892	9.892	0.000	94	497130	8.00	8.00	
* 5 Chrysene-d12	240	13.071	13.071	0.000	98	490973	8.00	8.00	
* 6 Perylene-d12	264	14.983	14.983	0.000	99	404709	8.00	8.00	
$ 7 2-Fluorophenol	112	4.401	4.401	0.000	86	6502	0.3800	0.4477	
$ 8 Phenol-d5	99	5.421	5.421	0.000	0	8501	0.3800	0.4019	
$ 9 Nitrobenzene-d5	82	6.276	6.276	0.000	91	8005	0.3800	0.3892	
$ 10 2-Fluorobiphenyl	172	7.937	7.937	0.000	98	21325	0.3800	0.4529	
$ 11 2,4,6-Tribromophenol	330	9.267	9.267	0.000	84	2341	0.3800	0.2837	
$ 12 Terphenyl-d14	244	11.564	11.564	0.000	95	29334	0.3800	0.4375	
13 1,4-Dioxane	88	1.462	1.462	0.000	41	2055	0.3800	0.4155	a
14 N-Nitrosodimethylamine	74	1.911	1.911	0.000	59	3909	0.3800	0.5846	M
15 Pyridine	79	1.975	1.975	0.000	88	9858	0.7600	0.7959	M
21 Methyl methanesulfonate	80	4.171	4.171	0.000	83	3867	0.3800	0.4779	
25 Benzaldehyde	77	5.309	5.309	0.000	86	7041	0.3800	0.5008	
27 Aniline	93	5.432	5.432	0.000	69	12562	0.3800	0.4671	
26 Phenol	94	5.437	5.437	0.000	84	10952	0.3800	0.4772	
29 Bis(2-chloroethyl)ether	93	5.506	5.506	0.000	91	7766	0.3800	0.5394	
30 2-Chlorophenol	128	5.544	5.544	0.000	90	6849	0.3800	0.4206	
31 n-Decane	43	5.629	5.629	0.000	90	8232	0.3800	0.5406	
32 1,3-Dichlorobenzene	146	5.693	5.693	0.000	95	10498	0.3800	0.5067	
33 1,4-Dichlorobenzene	146	5.768	5.768	0.000	87	9073	0.3800	0.4536	
34 Benzyl alcohol	108	5.891	5.891	0.000	90	4501	0.3800	0.4450	
35 1,2-Dichlorobenzene	146	5.912	5.912	0.000	92	9953	0.3800	0.5023	
37 Indene	116	5.998	5.998	0.000	92	16664	0.3800	0.5201	
36 2-Methylphenol	108	6.009	6.009	0.000	90	5943	0.3800	0.4179	
38 2,2'-oxybis[1-chloropropane]	45	6.035	6.035	0.000	88	12820	0.3800	0.2590	
39 N-Nitrosopyrrolidine	100	6.115	6.115	0.000	66	3088	0.3800	0.3988	
40 Acetophenone	105	6.142	6.142	0.000	89	10137	0.3800	0.4634	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.153	6.153	0.000	76	6515	0.3800	0.5252	
42 4-Methylphenol	108	6.153	6.153	0.000	86	7088	0.3800	0.4666	
45 Hexachloroethane	117	6.233	6.233	0.000	81	4349	0.3800	0.4772	
46 Nitrobenzene	77	6.297	6.297	0.000	86	9571	0.3800	0.4715	
48 Isophorone	82	6.527	6.527	0.000	96	11729	0.3800	0.3486	
49 2-Nitrophenol	139	6.596	6.596	0.000	83	2329	0.3800	0.2755	
50 2,4-Dimethylphenol	107	6.644	6.644	0.000	92	7360	0.3800	0.3988	
52 Benzoic acid	122	6.676	6.676	0.000	87	3402	0.3800	0.4162	
53 Bis(2-chloroethoxy)methane	93	6.730	6.730	0.000	91	9974	0.3800	0.4380	
54 2,4-Dichlorophenol	162	6.821	6.821	0.000	91	6889	0.3800	0.4185	
56 1,2,4-Trichlorobenzene	180	6.895	6.895	0.000	92	11158	0.3800	0.5175	
58 Naphthalene	128	6.965	6.965	0.000	96	24063	0.3800	0.4570	
59 4-Chloroaniline	127	7.018	7.018	0.000	92	9506	0.3800	0.4320	
60 2,6-Dichlorophenol	162	7.029	7.029	0.000	87	6272	0.3800	0.4019	
62 Hexachlorobutadiene	225	7.098	7.098	0.000	90	6226	0.3800	0.4230	
64 Caprolactam	113	7.312	7.312	0.000	0	232	0.3800	1.56	M
67 4-Chloro-3-methylphenol	107	7.456	7.456	0.000	88	4604	0.3800	0.3023	
69 2-Methylnaphthalene	142	7.606	7.606	0.000	85	14824	0.3800	0.4301	
71 1-Methylnaphthalene	142	7.691	7.691	0.000	91	15056	0.3800	0.4398	
72 Hexachlorocyclopentadiene	237	7.755	7.755	0.000	75	6497	0.3800	0.3547	
73 1,2,4,5-Tetrachlorobenzene	216	7.761	7.761	0.000	90	11135	0.3800	0.4584	
74 2,4,6-Trichlorophenol	196	7.857	7.857	0.000	84	4856	0.3800	0.3577	
75 2,4,5-Trichlorophenol	196	7.889	7.889	0.000	89	4553	0.3800	0.3226	
76 1,1'-Biphenyl	154	8.023	8.023	0.000	97	20335	0.3800	0.4386	
77 2-Chloronaphthalene	162	8.044	8.044	0.000	94	16911	0.3800	0.4585	
79 2-Nitroaniline	65	8.129	8.129	0.000	64	3529	0.3800	0.3202	
82 Dimethyl phthalate	163	8.295	8.295	0.000	96	17670	0.3800	0.4105	
83 1,3-Dinitrobenzene	168	8.311	8.311	0.000	13	1085	0.3800	0.2238	
84 2,6-Dinitrotoluene	165	8.343	8.343	0.000	69	2573	0.3800	0.2885	
85 Acenaphthylene	152	8.423	8.423	0.000	97	21491	0.3800	0.3989	
86 3-Nitroaniline	138	8.493	8.493	0.000	86	2483	0.3800	0.2985	a
88 Acenaphthene	153	8.578	8.578	0.000	95	16287	0.3800	0.4554	
87 2,4-Dinitrophenol	184	8.589	8.589	0.000	71	2874	0.7600	0.5627	
89 4-Nitrophenol	109	8.637	8.637	0.000	90	3399	0.7600	0.4882	
91 2,4-Dinitrotoluene	165	8.706	8.706	0.000	87	3526	0.3800	0.3139	
93 Dibenzofuran	168	8.733	8.733	0.000	94	22926	0.3800	0.4450	
95 2,3,5,6-Tetrachlorophenol	232	8.808	8.808	0.000	85	4671	0.3800	0.3389	
96 2,3,4,6-Tetrachlorophenol	232	8.845	8.845	0.000	74	4757	0.3800	0.3491	
97 2-Naphthylamine	143	8.872	8.872	0.000	90	10524	0.3800	0.3289	
98 Diethyl phthalate	149	8.925	8.925	0.000	96	16399	0.3800	0.4279	
99 Hexadecane	57	8.947	8.947	0.000	92	7927	0.3800	0.4119	
100 4-Chlorophenyl phenyl ether	204	9.038	9.038	0.000	87	13019	0.3800	0.4925	
103 Fluorene	166	9.043	9.043	0.000	89	17820	0.3800	0.4321	
101 4-Nitroaniline	138	9.048	9.048	0.000	56	2236	0.3800	0.2840	
104 4,6-Dinitro-2-methylphenol	198	9.080	9.080	0.000	81	2863	0.7600	0.4137	
105 N-Nitrosodiphenylamine	169	9.144	9.144	0.000	69	10055	0.3800	0.3555	
215 Azobenzene	77	9.182	9.182	0.000	97	17064	0.3800	0.3752	
90 1,2-Diphenylhydrazine	77	9.182	9.182	0.000	98	17064	0.3800	0.3752	
110 4-Bromophenyl phenyl ether	248	9.481	9.481	0.000	62	7391	0.3800	0.4237	
112 Hexachlorobenzene	284	9.550	9.550	0.000	94	10523	0.3800	0.5474	
113 Atrazine	200	9.609	9.609	0.000	88	4096	0.3800	0.3169	
116 Pentachlorophenol	266	9.721	9.721	0.000	89	8764	0.7600	0.7674	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.775	9.775	0.000	91	6918	0.3800	0.3726	
121 Phenanthrene	178	9.914	9.914	0.000	94	30764	0.3800	0.4951	
122 Anthracene	178	9.962	9.962	0.000	97	21846	0.3800	0.3683	
124 Carbazole	167	10.101	10.101	0.000	96	18504	0.3800	0.3471	
126 Di-n-butyl phthalate	149	10.394	10.394	0.000	99	19217	0.3800	0.3162	
131 Fluoranthene	202	11.089	11.089	0.000	94	30516	0.3800	0.3846	
132 Benzidine	184	11.228	11.228	0.000	95	8014	0.3800	1.09	a
133 Pyrene	202	11.372	11.372	0.000	97	31161	0.3800	0.4034	
138 Butyl benzyl phthalate	149	12.243	12.243	0.000	94	6261	0.3800	1.24	
144 3,3'-Dichlorobenzidine	252	13.012	13.012	0.000	70	5877	0.3800	1.50	a
146 Benzo[a]anthracene	228	13.060	13.060	0.000	95	30315	0.3800	0.4135	
145 Bis(2-ethylhexyl) phthalate	149	13.092	13.092	0.000	46	7802	0.3800	1.10	a
147 Chrysene	228	13.108	13.108	0.000	94	35269	0.3800	0.4767	
150 Di-n-octyl phthalate	149	13.990	13.990	0.000	96	14334	0.3800	0.2809	a
151 7,12-Dimethylbenz(a)anthracene	256	14.503	14.503	0.000	76	11817	0.3800	0.3839	
152 Benzo[b]fluoranthene	252	14.508	14.508	0.000	91	28120	0.3800	0.4085	
153 Benzo[k]fluoranthene	252	14.540	14.540	0.000	93	33896	0.3800	0.4732	M
217 Benzo[e]pyrene	252	14.850	14.850	0.000	94	28606	0.3800	0.4495	
154 Benzo[a]pyrene	252	14.909	14.909	0.000	76	23866	0.3800	0.4161	
157 Indeno[1,2,3-cd]pyrene	276	16.452	16.452	0.000	96	21421	0.3800	0.3542	M
158 Dibenz(a,h)anthracene	278	16.474	16.474	0.000	89	17760	0.3800	0.3428	M
159 Benzo[g,h,i]perylene	276	16.880	16.880	0.000	97	22380	0.3800	0.4028	M
S 199 Total Cresols	108				0		0.7600	0.8845	
S 197 Methyl Phenols,Total	108				0		0.7600	0.8845	

QC Flag Legend

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

Reagents:

SVTAPSTD0.38i_00018 Amount Added: 1.00 Units: mL

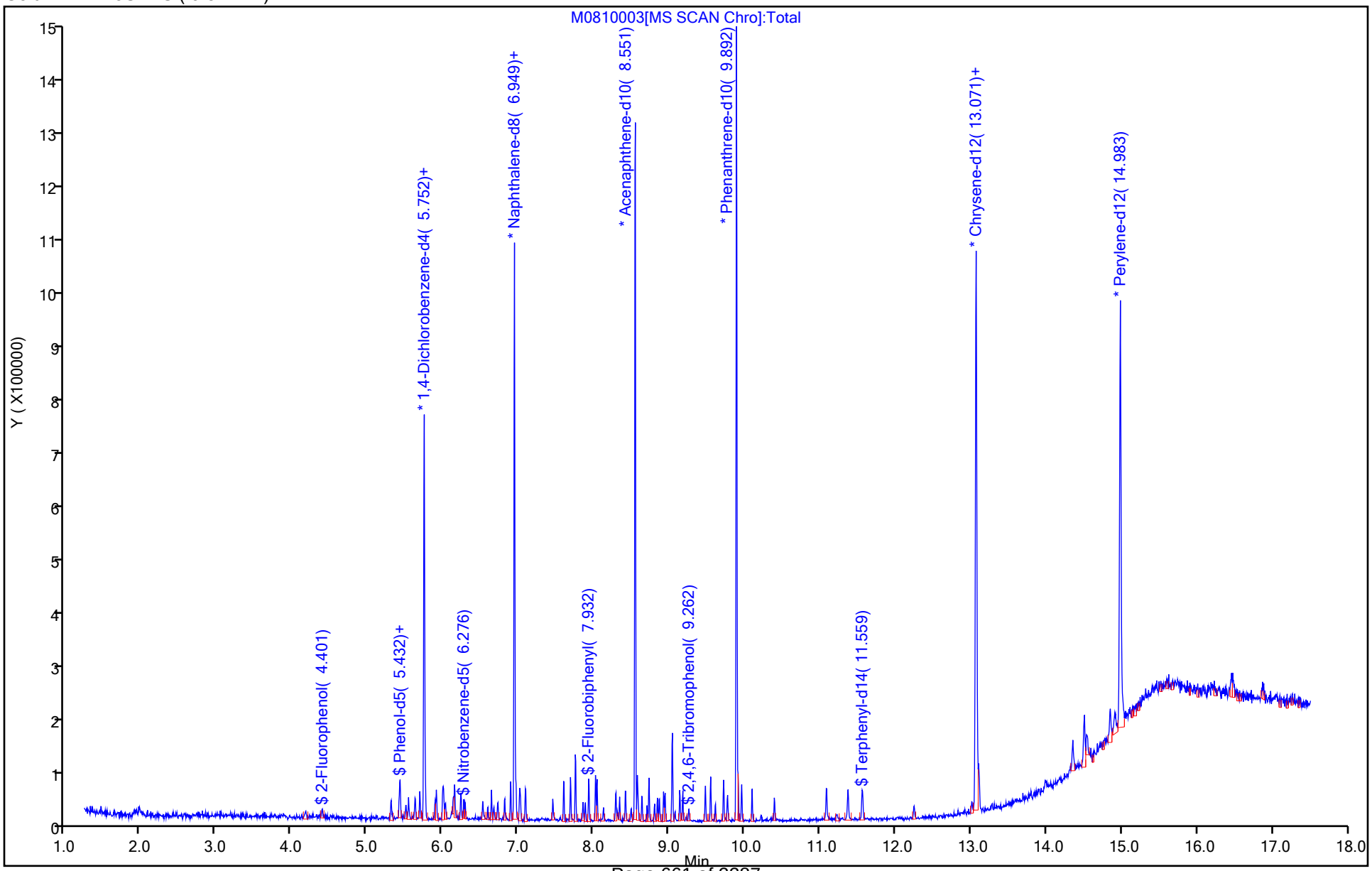
Report Date: 11-Aug-2022 07:04:06 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D

Injection Date:	10-Aug-2022 06:34:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

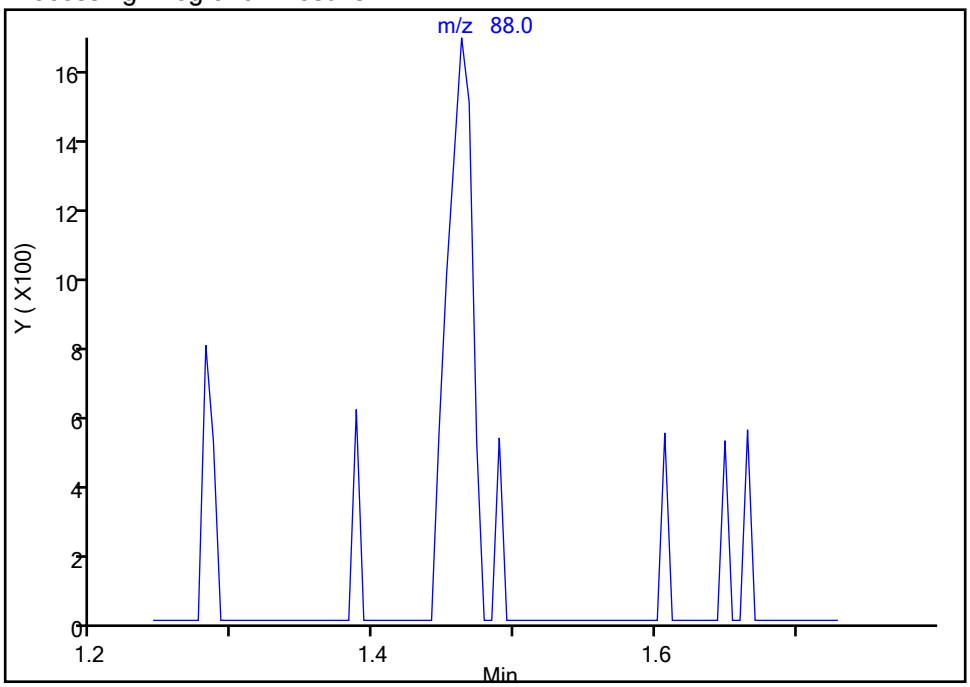
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

13 1,4-Dioxane, CAS: 123-91-1

Signal: 1

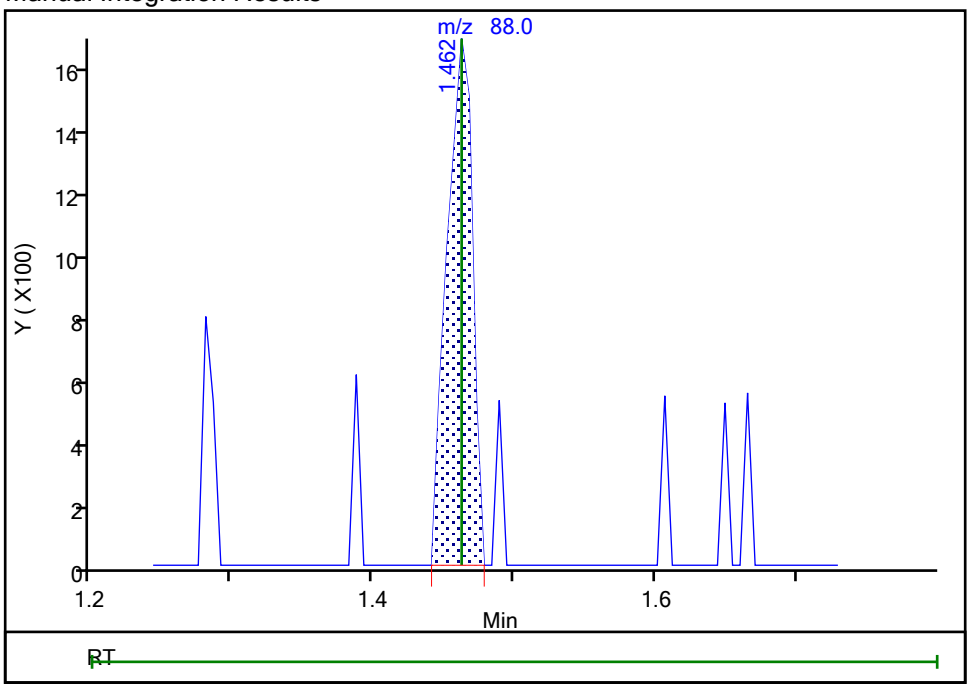
Not Detected
Expected RT: 1.46

Processing Integration Results



Manual Integration Results

RT: 1.46
Area: 2055
Amount: 0.415546
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:36:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh

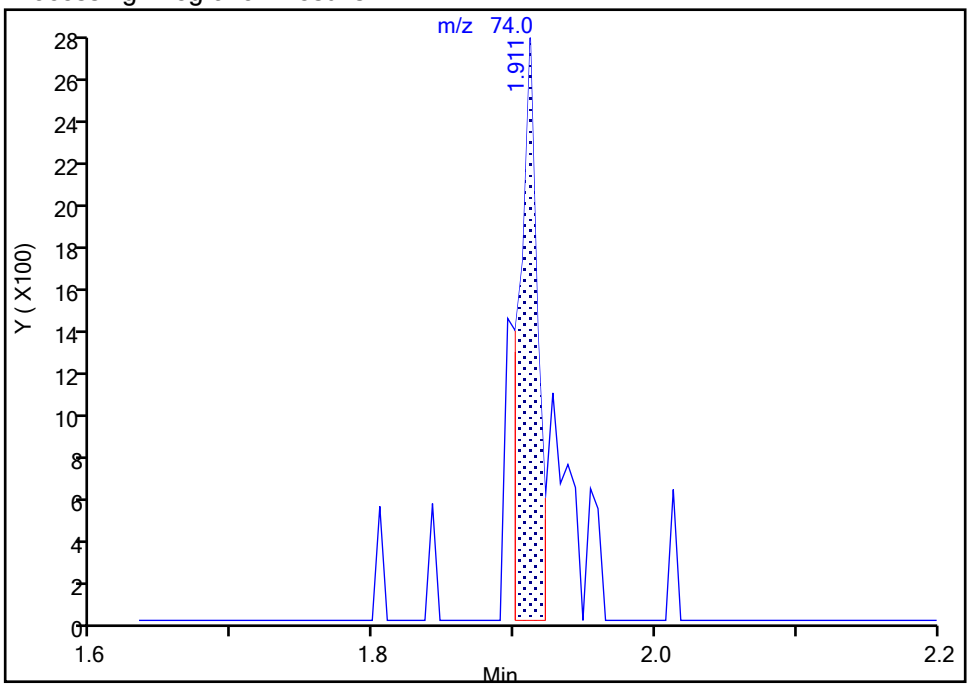
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

14 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

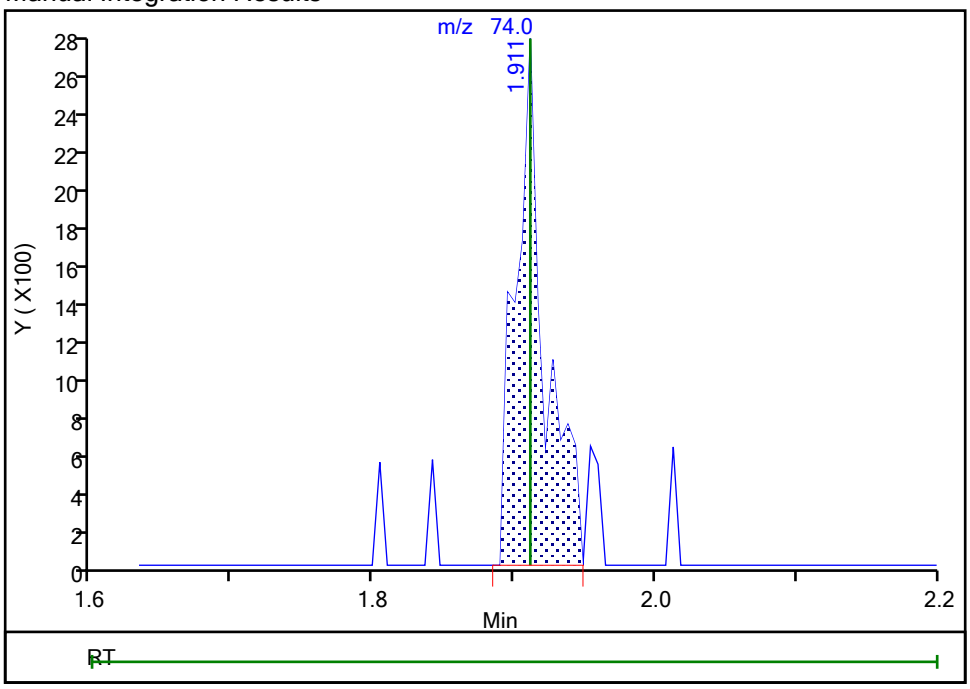
Processing Integration Results

RT: 1.91
Area: 2474
Amount: 0.371233
Amount Units: ng



Manual Integration Results

RT: 1.91
Area: 3909
Amount: 0.584633
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

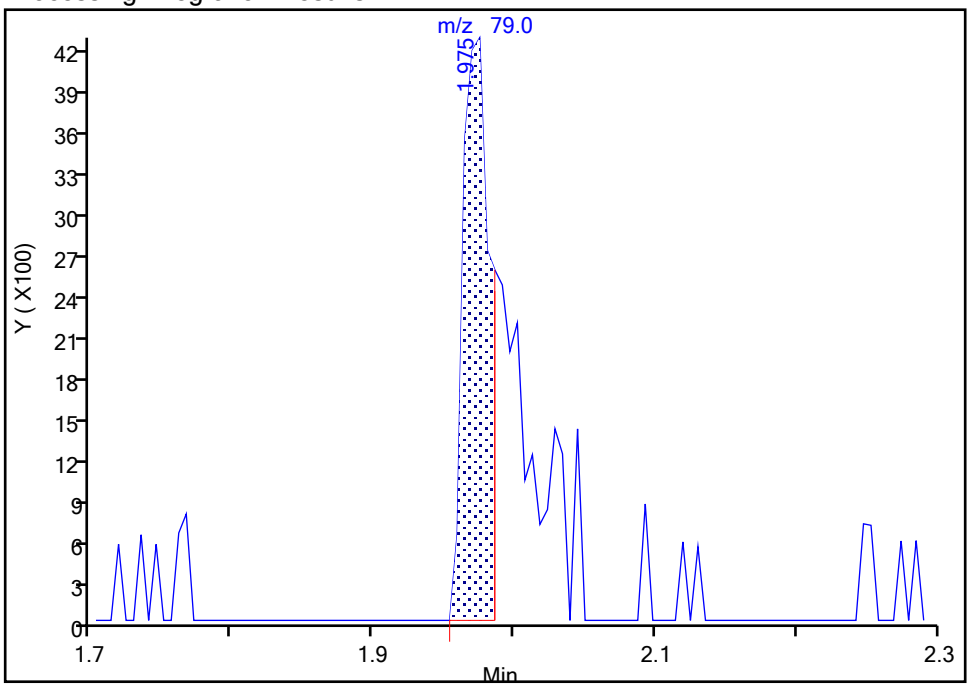
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

15 Pyridine, CAS: 110-86-1

Signal: 1

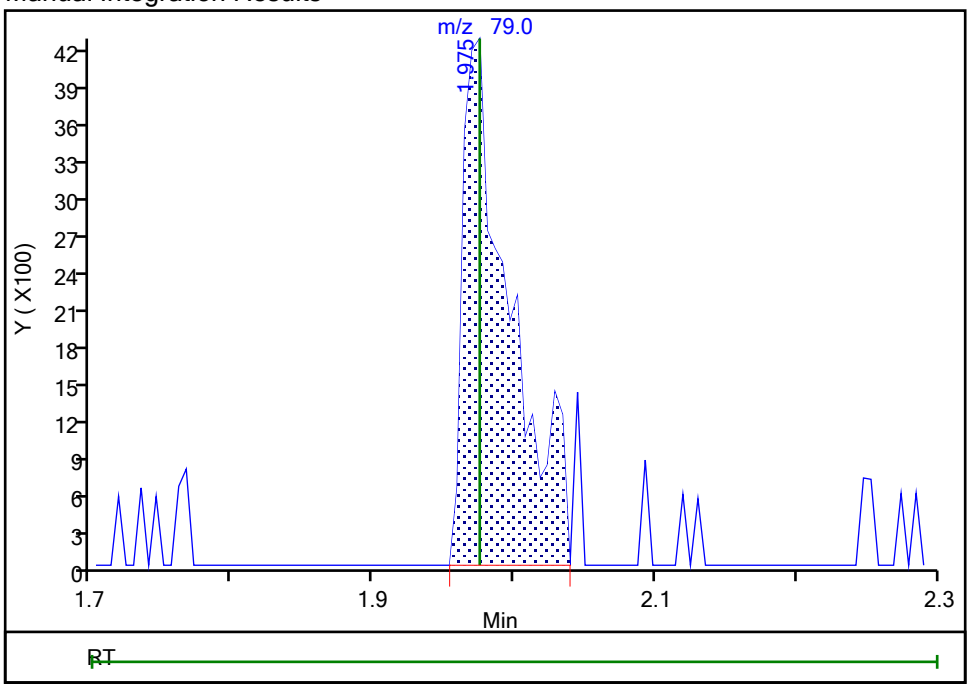
Processing Integration Results

RT: 1.98
Area: 5710
Amount: 0.487889
Amount Units: ng



Manual Integration Results

RT: 1.98
Area: 9858
Amount: 0.795917
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

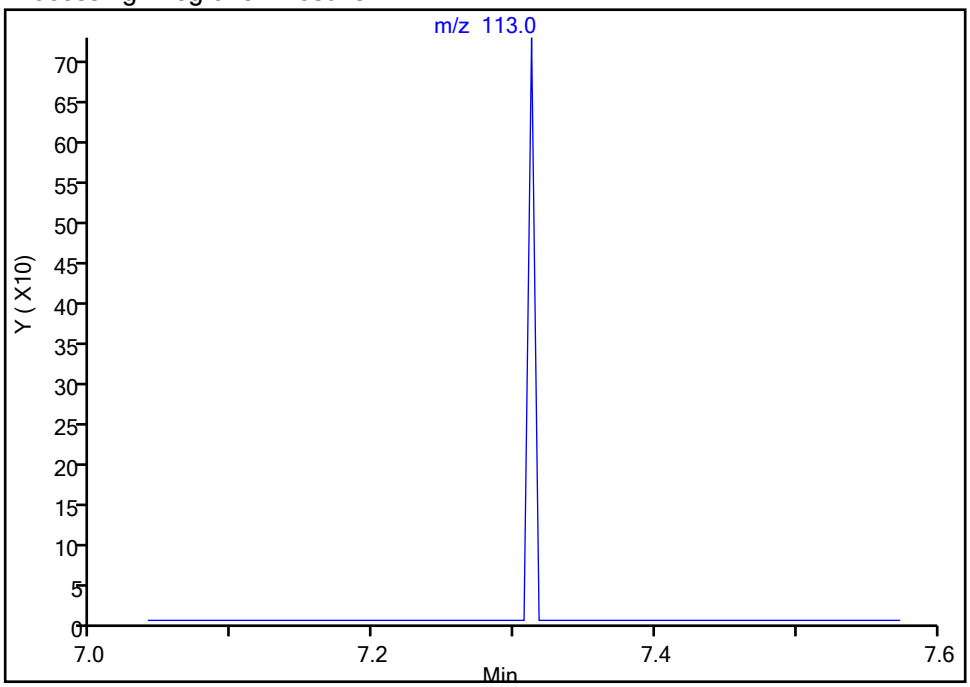
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

64 Caprolactam, CAS: 105-60-2

Signal: 1

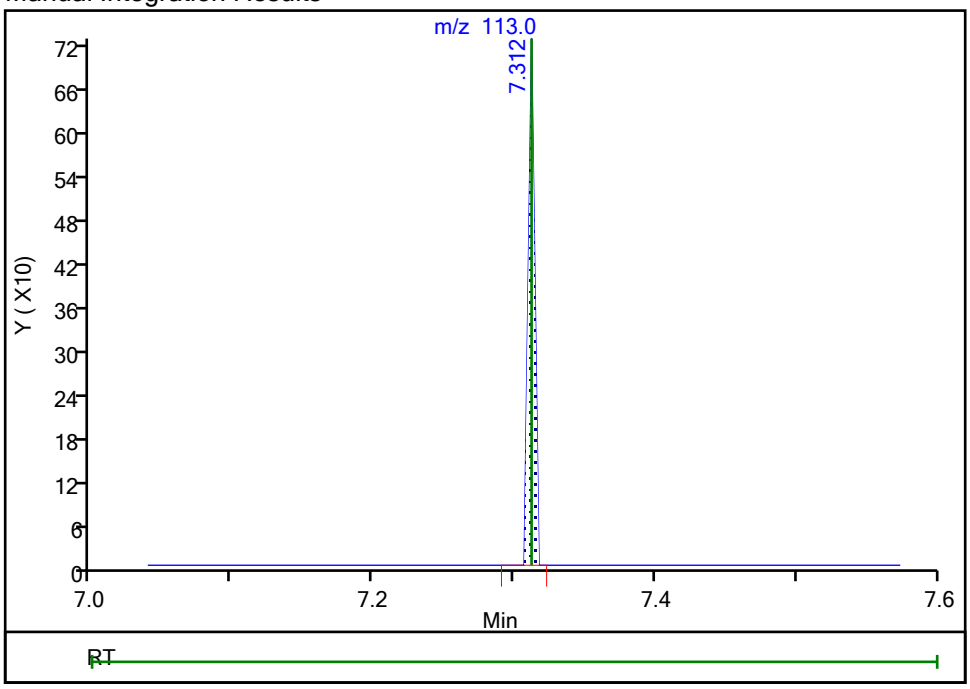
Not Detected
Expected RT: 7.31

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 232
Amount: 1.563247
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

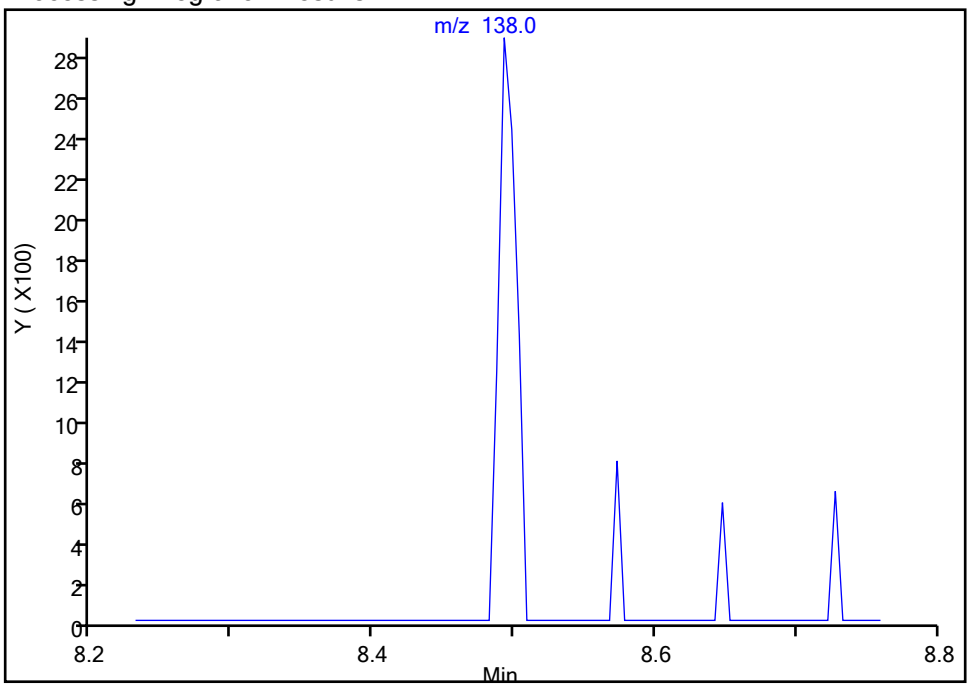
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

86 3-Nitroaniline, CAS: 99-09-2

Signal: 1

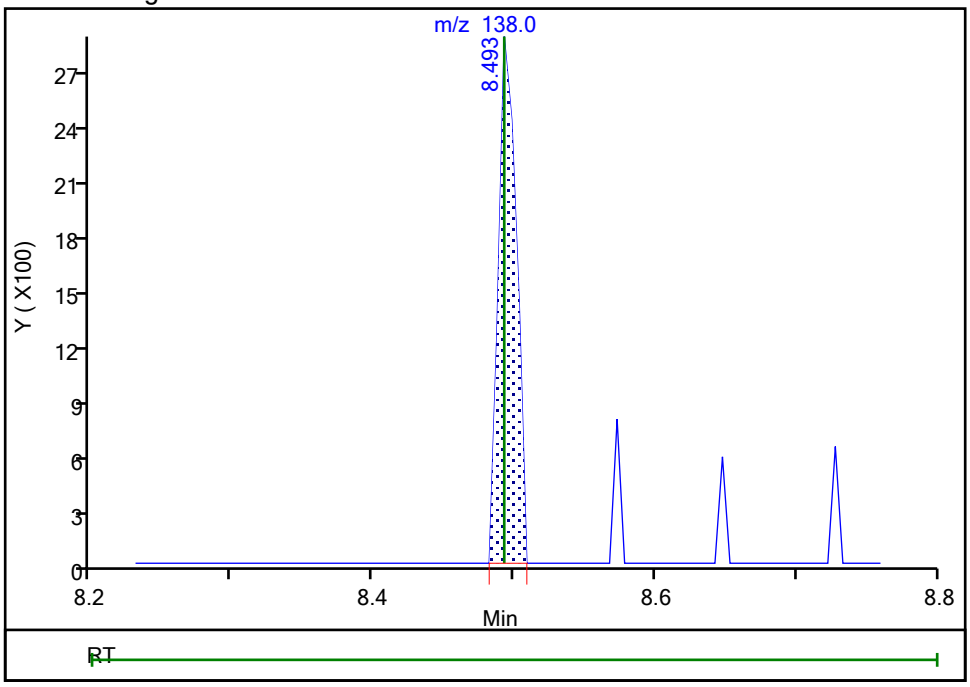
Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results

RT: 8.49
Area: 2483
Amount: 0.298484
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:38
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

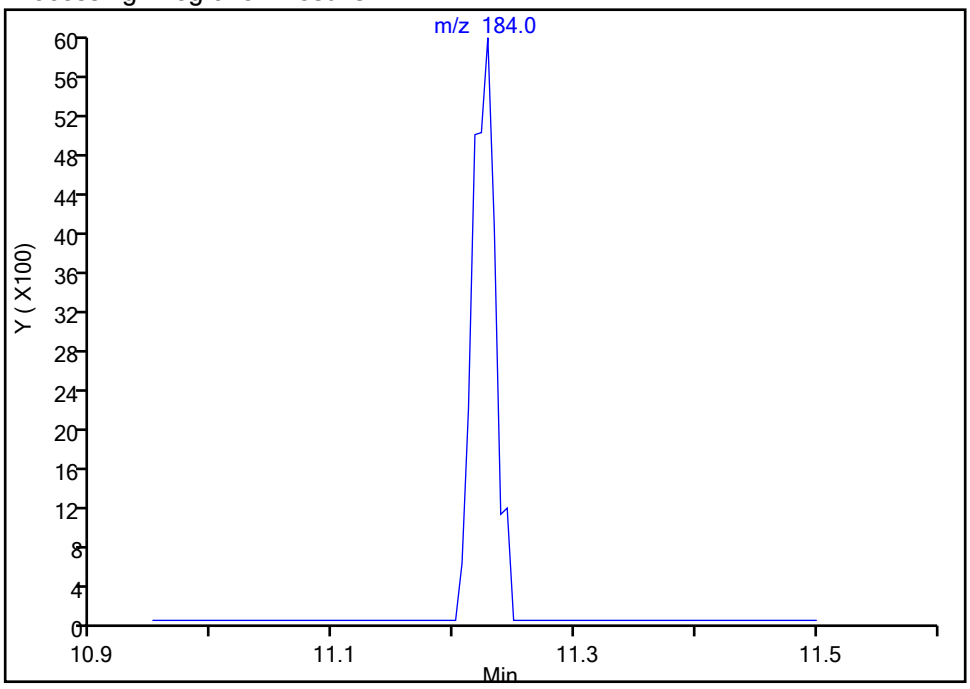
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

132 Benzidine, CAS: 92-87-5

Signal: 1

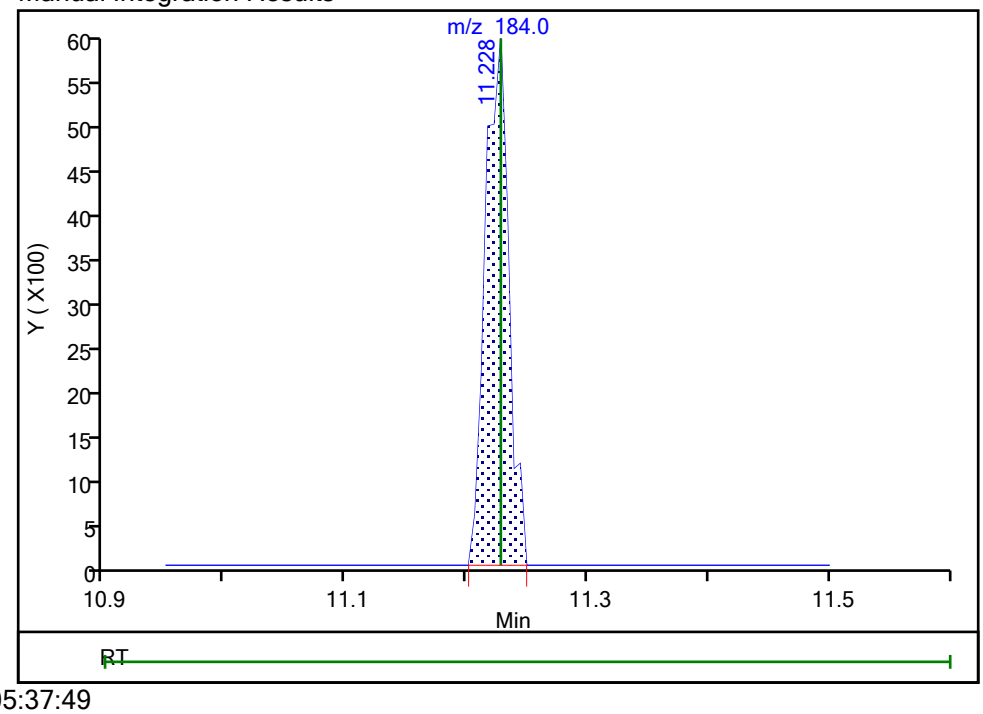
Not Detected
Expected RT: 11.23

Processing Integration Results



Manual Integration Results

RT: 11.23
Area: 8014
Amount: 1.092599
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

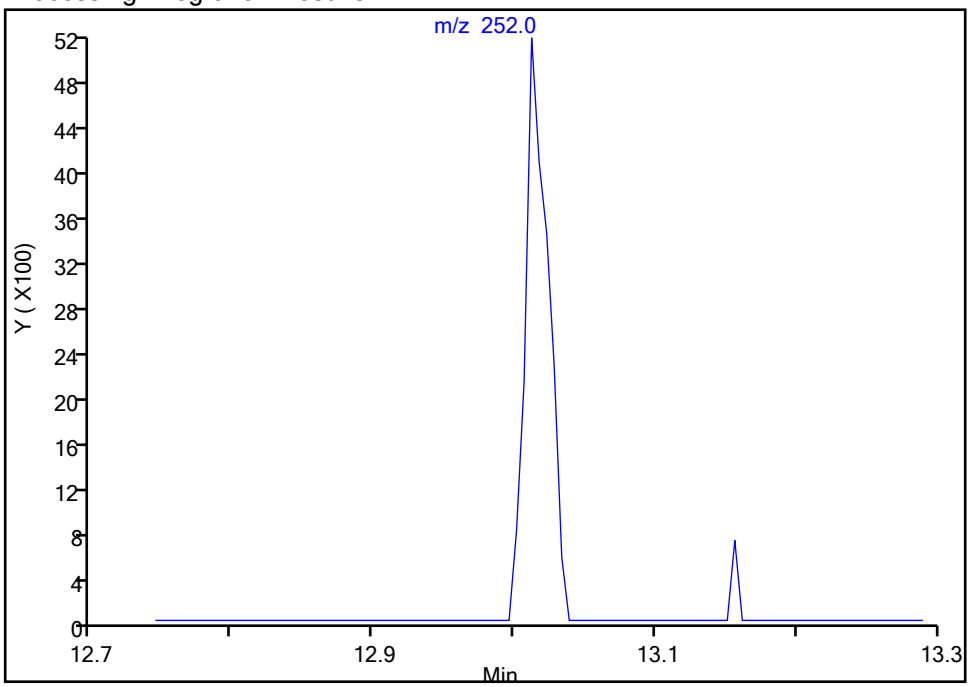
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

144 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

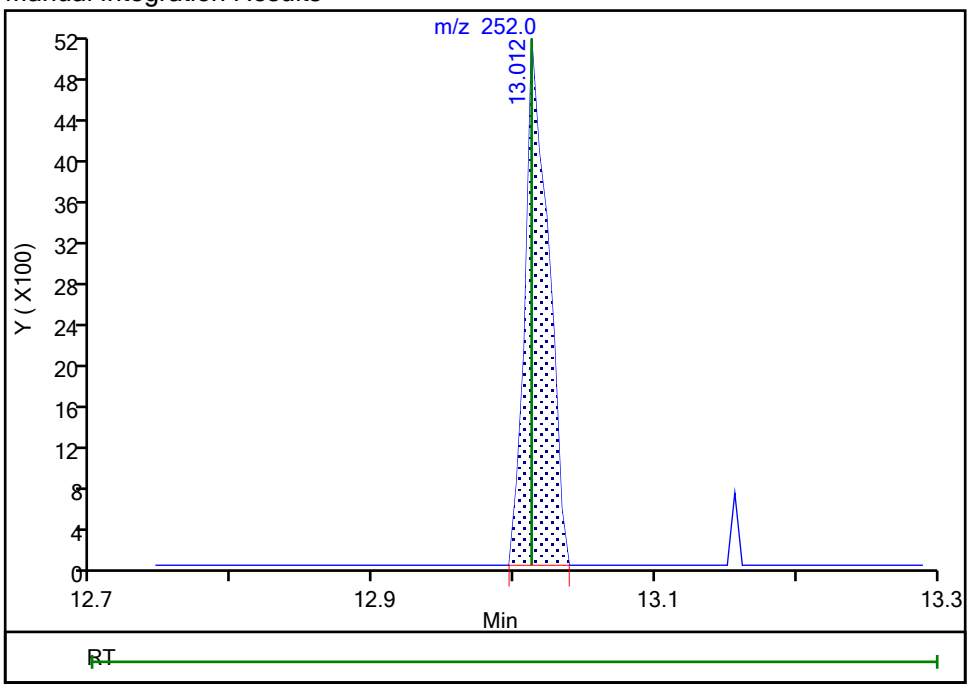
Not Detected
Expected RT: 13.01

Processing Integration Results



Manual Integration Results

RT: 13.01
Area: 5877
Amount: 1.504353
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:54
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Pittsburgh

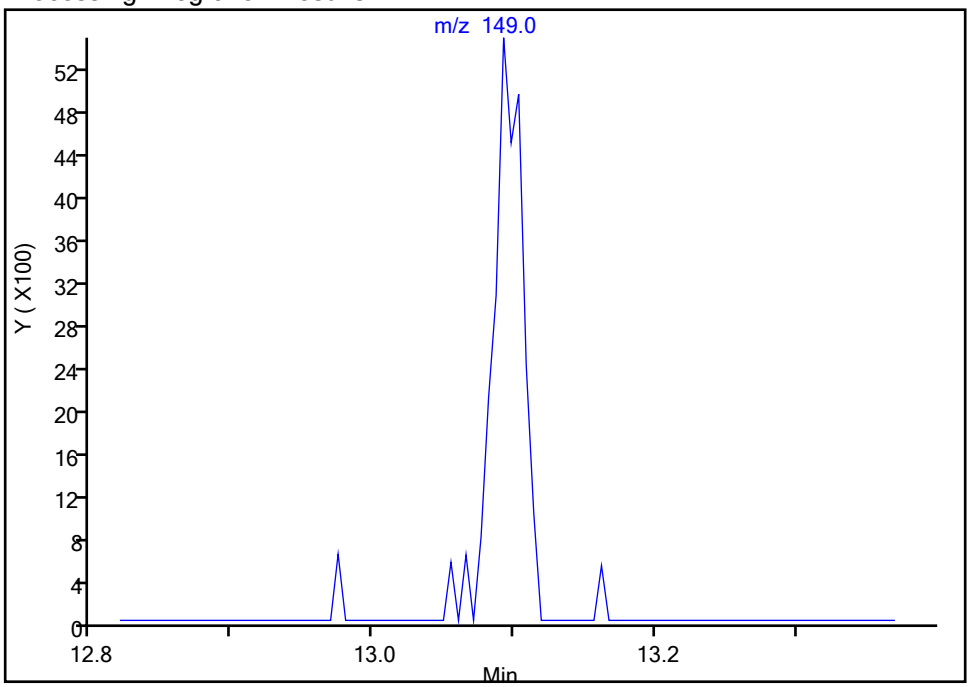
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

145 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

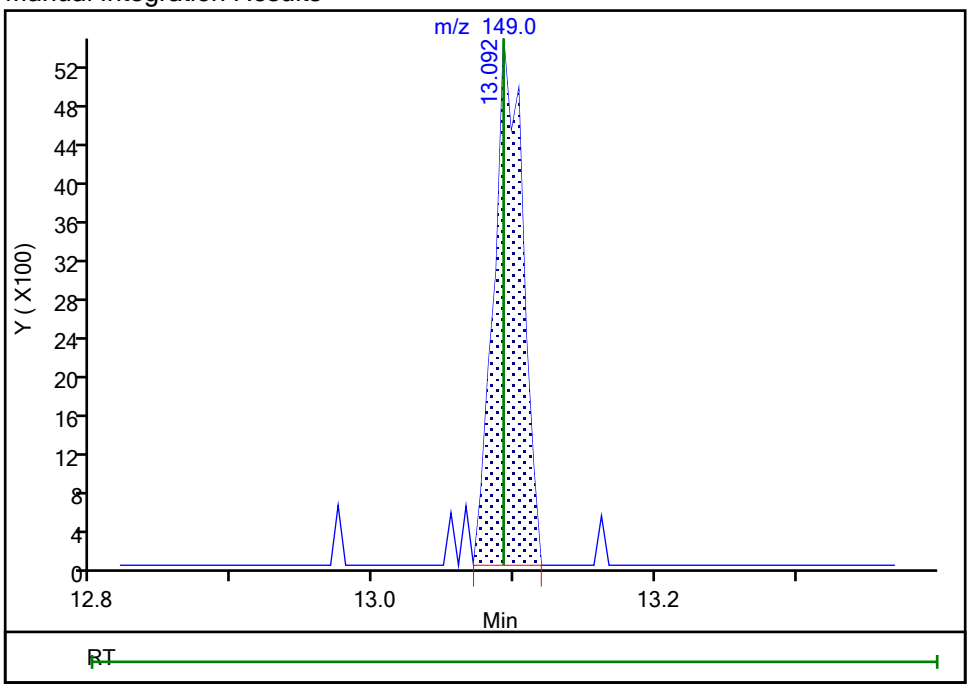
Not Detected
Expected RT: 13.09

Processing Integration Results



Manual Integration Results

RT: 13.09
Area: 7802
Amount: 1.099640
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:37:58
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

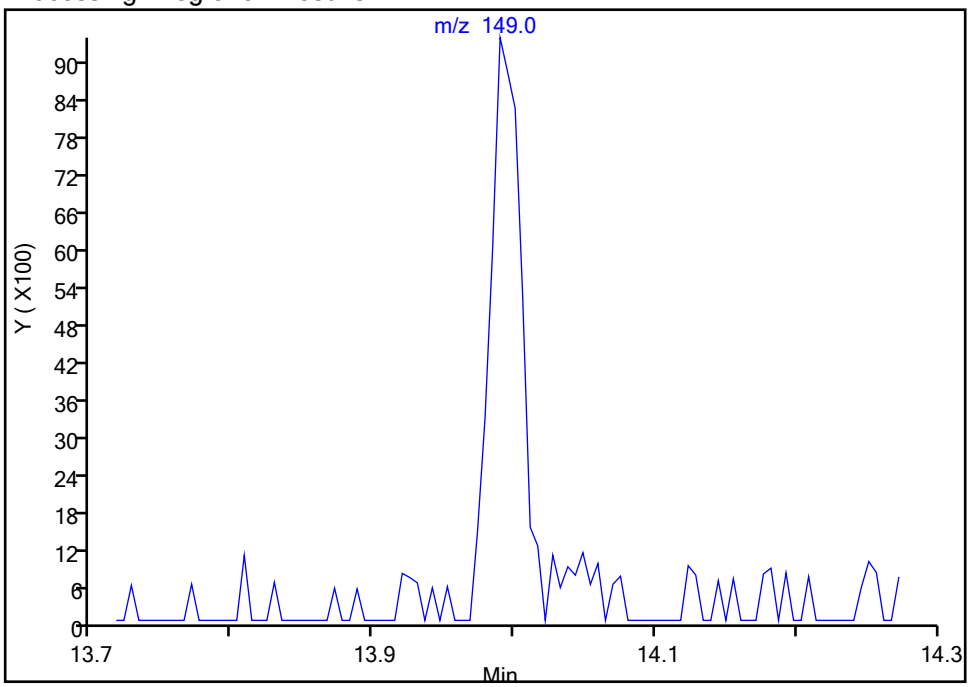
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

150 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

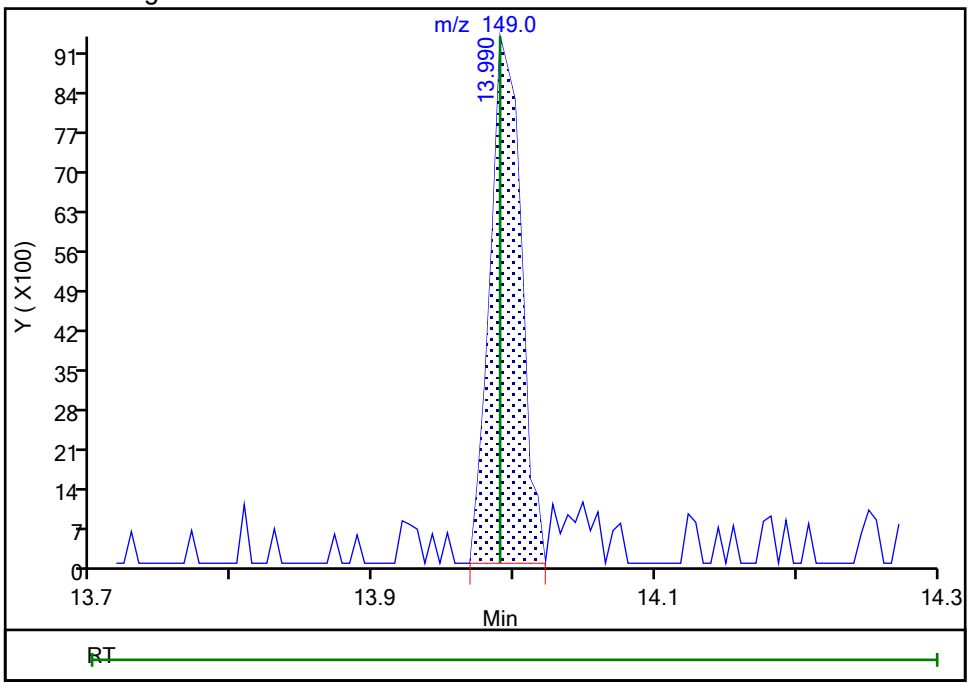
Not Detected
Expected RT: 13.99

Processing Integration Results



Manual Integration Results

RT: 13.99
Area: 14334
Amount: 0.280909
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:38:02
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

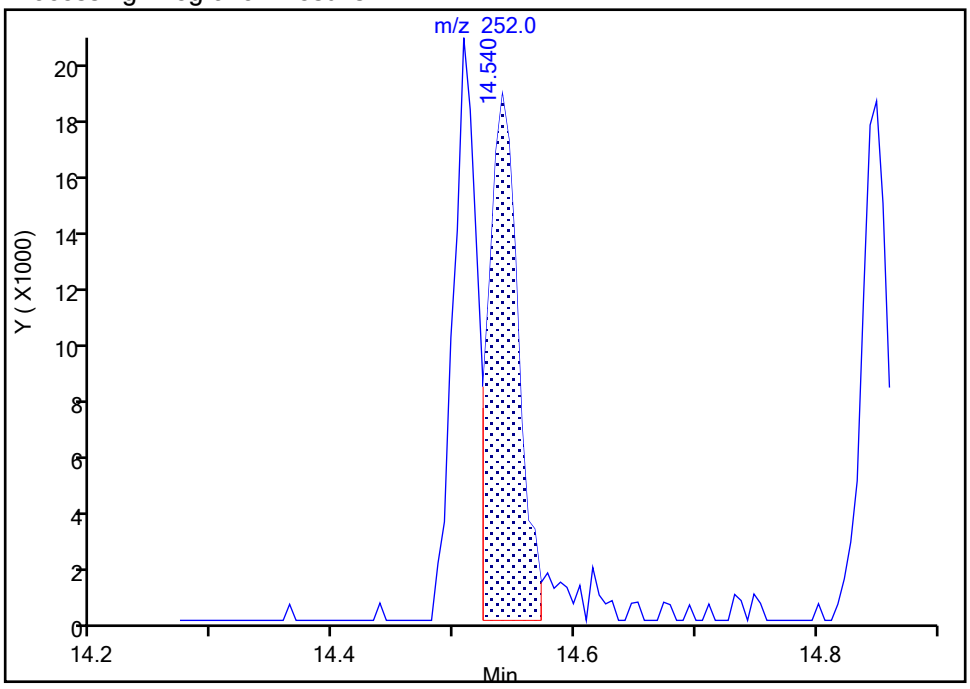
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

153 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

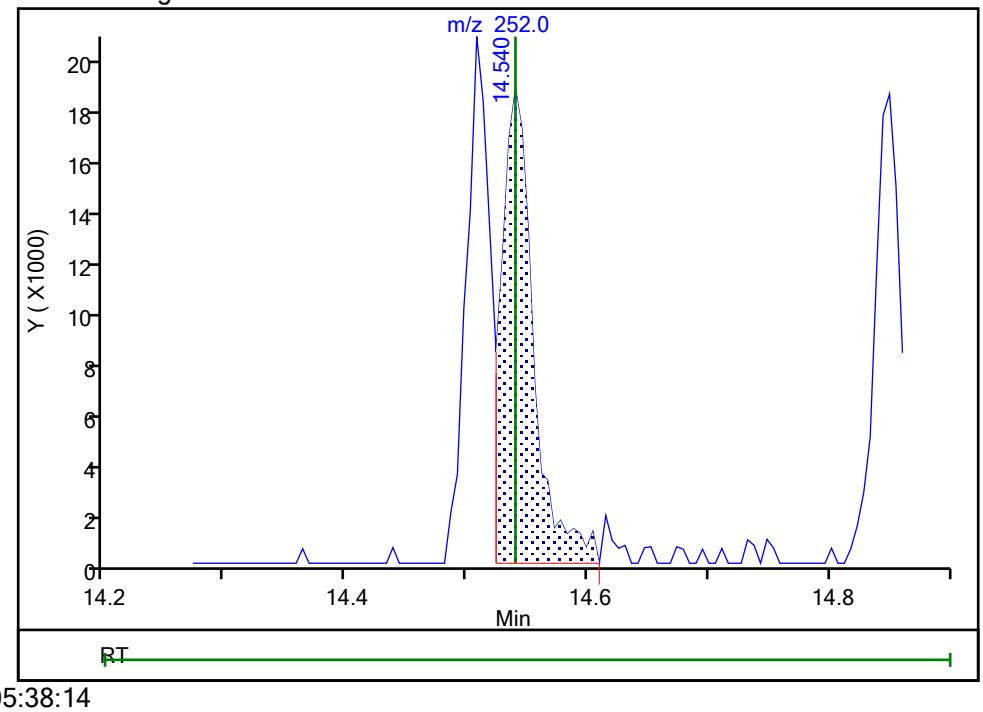
Processing Integration Results

RT: 14.54
Area: 31649
Amount: 0.446426
Amount Units: ng



Manual Integration Results

RT: 14.54
Area: 33896
Amount: 0.473188
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:38:14
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

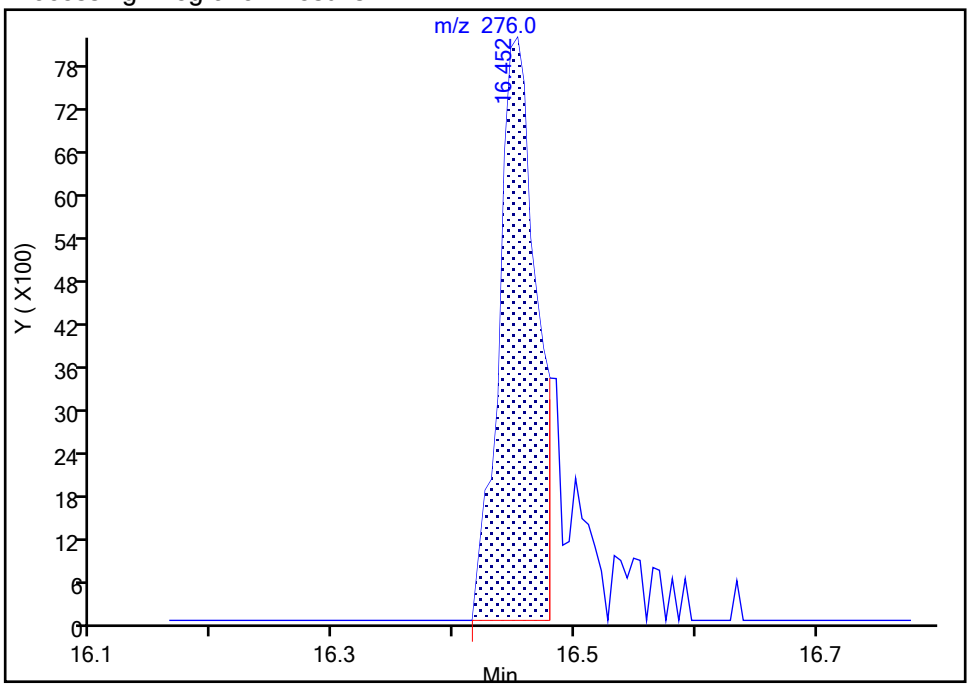
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

157 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

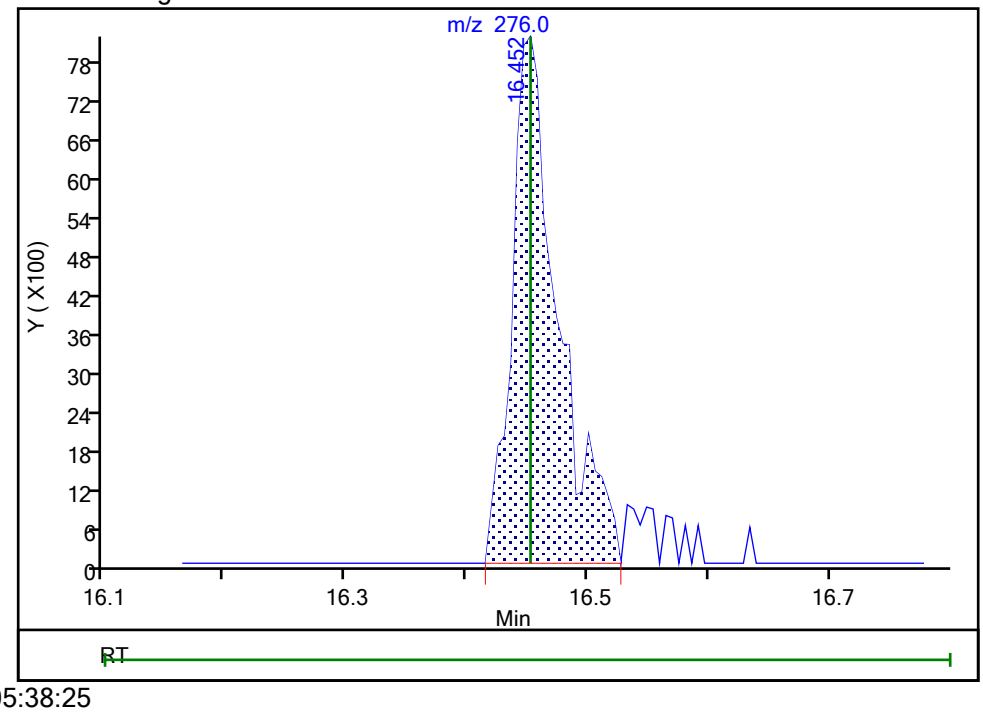
Processing Integration Results

RT: 16.45
Area: 17584
Amount: 0.296936
Amount Units: ng



Manual Integration Results

RT: 16.45
Area: 21421
Amount: 0.354181
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:38:25
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

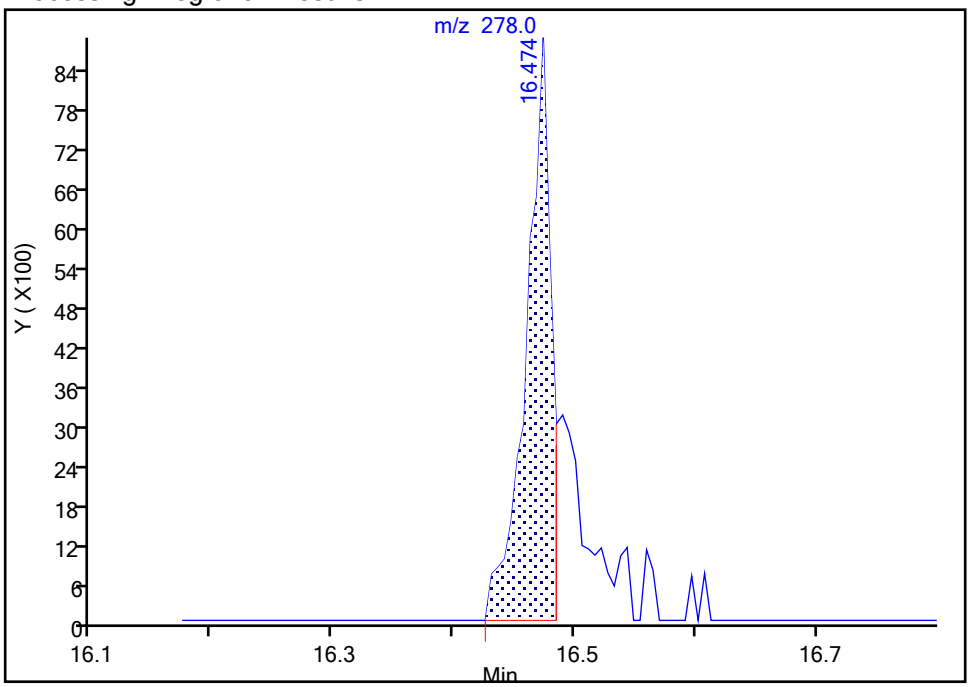
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

158 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

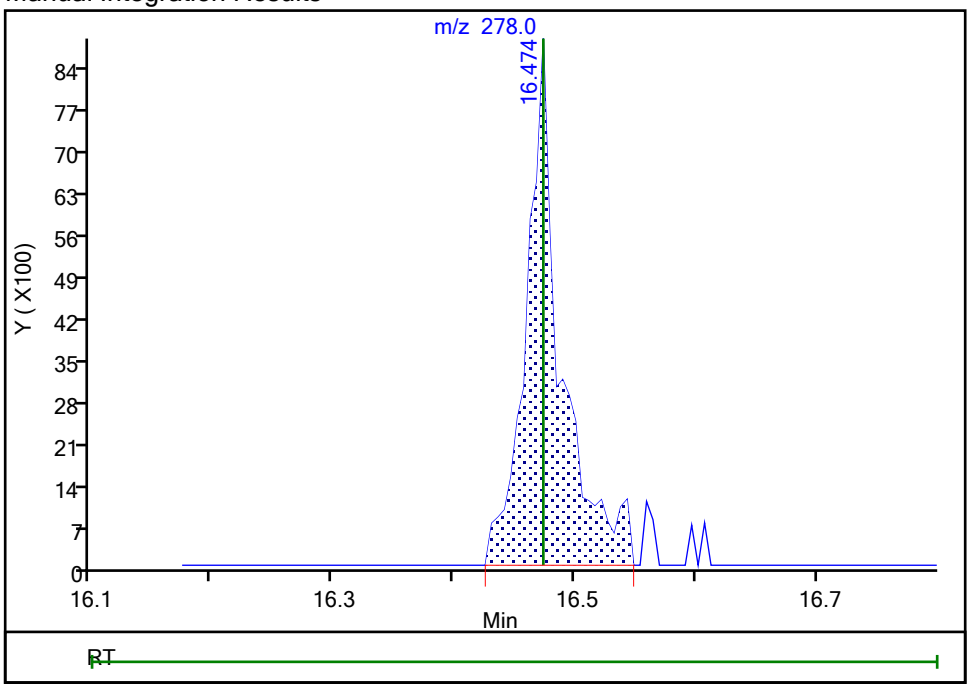
Processing Integration Results

RT: 16.47
Area: 12594
Amount: 0.251347
Amount Units: ng



Manual Integration Results

RT: 16.47
Area: 17760
Amount: 0.342822
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:38:29
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

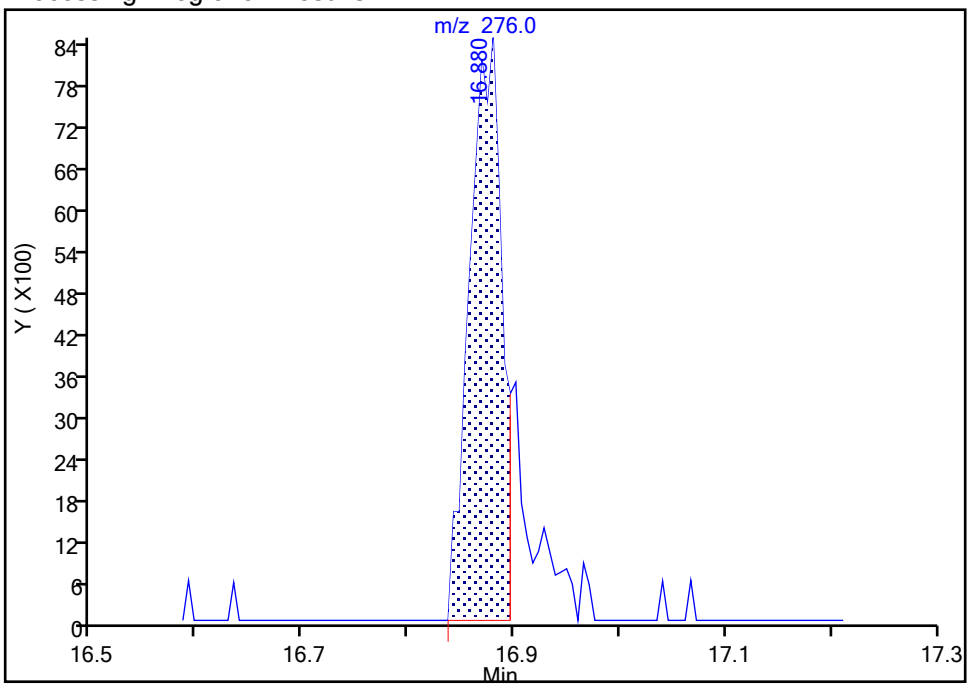
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810003.D
Injection Date: 10-Aug-2022 06:34:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

159 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

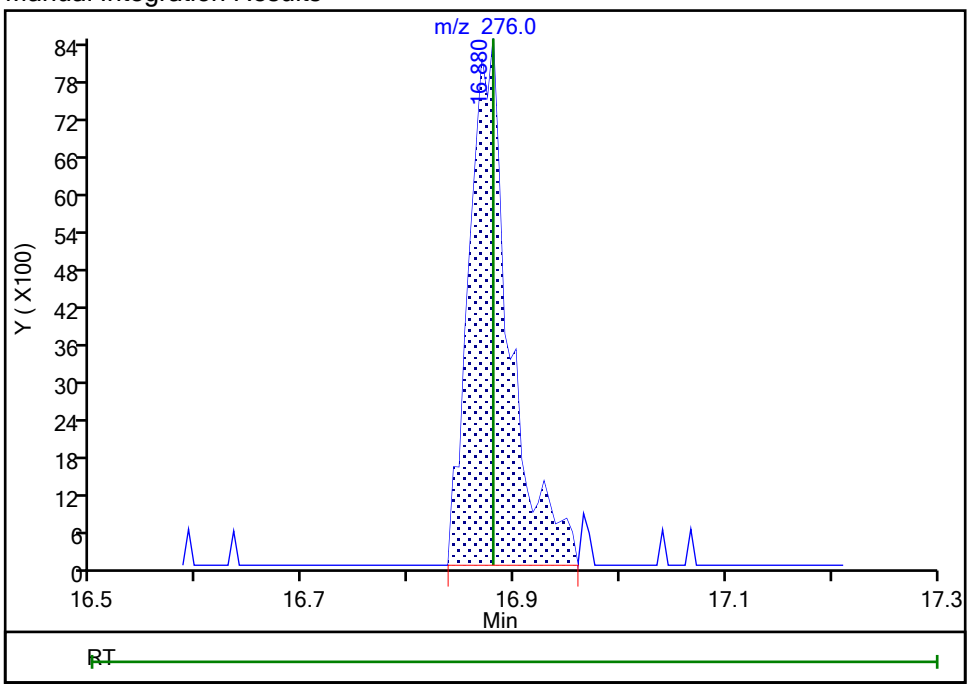
Processing Integration Results

RT: 16.88
Area: 18139
Amount: 0.334879
Amount Units: ng



Manual Integration Results

RT: 16.88
Area: 22380
Amount: 0.402802
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:38:35
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Aug-2022 06:56:30 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-004
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:10 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:36:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.749	5.749	0.000	95	106663	8.00	8.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.000	99	354847	8.00	8.00	
* 3 Acenaphthene-d10	164	8.548	8.548	0.000	94	209457	8.00	8.00	
* 4 Phenanthrene-d10	188	9.889	9.889	0.000	95	414414	8.00	8.00	
* 5 Chrysene-d12	240	13.068	13.068	0.000	98	462874	8.00	8.00	
* 6 Perylene-d12	264	14.975	14.975	0.000	98	383951	8.00	8.00	
$ 7 2-Fluorophenol	112	4.403	4.403	0.000	93	25388	2.00	1.86	
$ 8 Phenol-d5	99	5.418	5.418	0.000	0	43064	2.00	2.16	
$ 9 Nitrobenzene-d5	82	6.273	6.273	0.000	93	39619	2.00	2.17	
$ 10 2-Fluorobiphenyl	172	7.934	7.934	0.000	99	86988	2.00	2.16	
$ 11 2,4,6-Tribromophenol	330	9.259	9.259	0.000	89	11976	2.00	1.74	
$ 12 Terphenyl-d14	244	11.561	11.561	0.000	95	127062	2.00	2.01	
13 1,4-Dioxane	88	1.459	1.459	0.000	81	10123	2.00	2.18	
14 N-Nitrosodimethylamine	74	1.903	1.903	0.000	89	12941	2.00	2.06	M
15 Pyridine	79	1.951	1.951	0.000	96	51451	4.00	4.41	M
21 Methyl methanesulfonate	80	4.163	4.163	0.000	86	14935	2.00	1.96	
25 Benzaldehyde	77	5.311	5.311	0.000	91	27902	2.00	2.11	
27 Aniline	93	5.429	5.429	0.000	94	57424	2.00	2.27	
26 Phenol	94	5.429	5.429	0.000	92	48718	2.00	2.26	
29 Bis(2-chloroethyl)ether	93	5.509	5.509	0.000	83	28133	2.00	2.08	
30 2-Chlorophenol	128	5.546	5.546	0.000	96	32246	2.00	2.10	
31 n-Decane	43	5.626	5.626	0.000	86	33015	2.00	2.30	
32 1,3-Dichlorobenzene	146	5.696	5.696	0.000	97	43135	2.00	2.21	
33 1,4-Dichlorobenzene	146	5.765	5.765	0.000	95	40612	2.00	2.16	
34 Benzyl alcohol	108	5.893	5.893	0.000	87	18500	2.00	1.94	
35 1,2-Dichlorobenzene	146	5.915	5.915	0.000	94	42531	2.00	2.28	
37 Indene	116	5.995	5.995	0.000	91	64312	2.00	2.13	
36 2-Methylphenol	108	6.011	6.011	0.000	93	27119	2.00	2.03	
38 2,2'-oxybis[1-chloropropane]	45	6.027	6.027	0.000	90	44169	2.00	2.23	
39 N-Nitrosopyrrolidine	100	6.107	6.107	0.000	82	13313	2.00	1.83	
40 Acetophenone	105	6.134	6.134	0.000	91	45576	2.00	2.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
42 4-Methylphenol	108	6.155	6.155	0.000	91	29394	2.00	2.06	
41 N-Nitrosodi-n-propylamine	70	6.144	6.144	0.000	87	25114	2.00	2.15	
45 Hexachloroethane	117	6.235	6.235	0.000	88	19934	2.00	2.32	
46 Nitrobenzene	77	6.289	6.289	0.000	88	40337	2.00	2.24	
48 Isophorone	82	6.518	6.518	0.000	97	59813	2.00	2.00	
49 2-Nitrophenol	139	6.593	6.593	0.000	94	13801	2.00	1.84	
50 2,4-Dimethylphenol	107	6.641	6.641	0.000	96	36622	2.00	2.23	
52 Benzoic acid	122	6.684	6.684	0.000	93	12216	2.00	1.68	M
53 Bis(2-chloroethoxy)methane	93	6.727	6.727	0.000	95	47478	2.00	2.35	
54 2,4-Dichlorophenol	162	6.818	6.818	0.000	94	28280	2.00	1.93	
56 1,2,4-Trichlorobenzene	180	6.898	6.898	0.000	93	41027	2.00	2.14	
58 Naphthalene	128	6.967	6.967	0.000	98	100935	2.00	2.16	
59 4-Chloroaniline	127	7.015	7.015	0.000	93	41927	2.00	2.14	
60 2,6-Dichlorophenol	162	7.026	7.026	0.000	92	29131	2.00	2.10	
62 Hexachlorobutadiene	225	7.095	7.095	0.000	94	29266	2.00	2.24	
64 Caprolactam	113	7.298	7.298	0.000	77	3638	2.00	2.44	
67 4-Chloro-3-methylphenol	107	7.453	7.453	0.000	93	25809	2.00	1.91	
69 2-Methylnaphthalene	142	7.603	7.603	0.000	92	65248	2.00	2.13	
71 1-Methylnaphthalene	142	7.694	7.694	0.000	88	61836	2.00	2.03	
72 Hexachlorocyclopentadiene	237	7.758	7.758	0.000	94	31735	2.00	2.03	
73 1,2,4,5-Tetrachlorobenzene	216	7.758	7.758	0.000	97	46782	2.00	2.25	
74 2,4,6-Trichlorophenol	196	7.859	7.859	0.000	95	21732	2.00	1.87	
75 2,4,5-Trichlorophenol	196	7.886	7.886	0.000	90	24641	2.00	2.04	
76 1,1'-Biphenyl	154	8.020	8.020	0.000	96	84670	2.00	2.14	
77 2-Chloronaphthalene	162	8.041	8.041	0.000	96	70312	2.00	2.23	
79 2-Nitroaniline	65	8.126	8.126	0.000	71	15699	2.00	1.67	
82 Dimethyl phthalate	163	8.292	8.292	0.000	96	75490	2.00	2.05	
83 1,3-Dinitrobenzene	168	8.313	8.313	0.000	79	5964	2.00	1.44	
84 2,6-Dinitrotoluene	165	8.340	8.340	0.000	82	19446	2.00	2.55	
85 Acenaphthylene	152	8.420	8.420	0.000	97	92361	2.00	2.01	
86 3-Nitroaniline	138	8.495	8.495	0.000	88	12163	2.00	1.71	
88 Acenaphthene	153	8.575	8.575	0.000	95	64389	2.00	2.11	
87 2,4-Dinitrophenol	184	8.591	8.591	0.000	76	14275	4.00	3.27	a
89 4-Nitrophenol	109	8.634	8.634	0.000	91	23014	4.00	3.87	
91 2,4-Dinitrotoluene	165	8.709	8.709	0.000	88	17457	2.00	1.82	
93 Dibenzofuran	168	8.730	8.730	0.000	95	95152	2.00	2.16	
95 2,3,5,6-Tetrachlorophenol	232	8.805	8.805	0.000	92	22926	2.00	1.95	
96 2,3,4,6-Tetrachlorophenol	232	8.842	8.842	0.000	72	23744	2.00	2.04	
97 2-Naphthylamine	143	8.869	8.869	0.000	96	57552	2.00	2.10	
98 Diethyl phthalate	149	8.922	8.922	0.000	95	64677	2.00	1.97	
99 Hexadecane	57	8.944	8.944	0.000	93	36753	2.00	2.15	
100 4-Chlorophenyl phenyl ether	204	9.035	9.035	0.000	92	49184	2.00	2.18	
103 Fluorene	166	9.040	9.040	0.000	94	76619	2.00	2.17	
101 4-Nitroaniline	138	9.045	9.045	0.000	63	12653	2.00	1.88	
104 4,6-Dinitro-2-methylphenol	198	9.077	9.077	0.000	81	18069	4.00	3.13	
105 N-Nitrosodiphenylamine	169	9.141	9.141	0.000	64	51742	2.00	2.19	
215 Azobenzene	77	9.179	9.179	0.000	97	80710	2.00	2.13	
90 1,2-Diphenylhydrazine	77	9.179	9.179	0.000	96	80710	2.00	2.13	
110 4-Bromophenyl phenyl ether	248	9.478	9.478	0.000	67	32588	2.00	2.24	
112 Hexachlorobenzene	284	9.547	9.547	0.000	94	32379	2.00	2.02	
113 Atrazine	200	9.612	9.612	0.000	92	20871	2.00	1.94	
116 Pentachlorophenol	266	9.718	9.718	0.000	92	35635	4.00	3.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.772	9.772	0.000	88	34738	2.00	1.99	
121 Phenanthrene	178	9.911	9.911	0.000	96	108311	2.00	2.09	
122 Anthracene	178	9.959	9.959	0.000	96	108153	2.00	2.19	
124 Carbazole	167	10.098	10.098	0.000	97	92493	2.00	2.08	
126 Di-n-butyl phthalate	149	10.391	10.391	0.000	99	93677	2.00	1.85	
131 Fluoranthene	202	11.081	11.081	0.000	97	139658	2.00	2.11	
132 Benzidine	184	11.219	11.219	0.000	98	40425	2.00	2.04	
133 Pyrene	202	11.369	11.369	0.000	98	153419	2.00	2.11	
138 Butyl benzyl phthalate	149	12.240	12.240	0.000	94	30423	2.00	2.16	
144 3,3'-Dichlorobenzidine	252	13.014	13.014	0.000	72	32547	2.00	2.41	
146 Benzo[a]anthracene	228	13.052	13.052	0.000	95	136820	2.00	1.98	
145 Bis(2-ethylhexyl) phthalate	149	13.089	13.089	0.000	94	42363	2.00	2.15	
147 Chrysene	228	13.105	13.105	0.000	95	153383	2.00	2.20	
150 Di-n-octyl phthalate	149	13.992	13.992	0.000	99	69018	2.00	1.43	
151 7,12-Dimethylbenz(a)anthracene	256	14.494	14.494	0.000	90	58127	2.00	1.99	
152 Benzo[b]fluoranthene	252	14.505	14.505	0.000	94	139106	2.00	2.13	
153 Benzo[k]fluoranthene	252	14.537	14.537	0.000	96	149253	2.00	2.20	
217 Benzo[e]pyrene	252	14.841	14.841	0.000	94	123038	2.00	2.04	
154 Benzo[a]pyrene	252	14.911	14.911	0.000	73	108416	2.00	1.99	M
157 Indeno[1,2,3-cd]pyrene	276	16.449	16.449	0.000	95	116161	2.00	2.02	M
158 Dibenz(a,h)anthracene	278	16.460	16.460	0.000	86	98250	2.00	2.00	M
159 Benzo[g,h,i]perylene	276	16.871	16.871	0.000	97	108482	2.00	2.06	M
S 199 Total Cresols	108				0		4.00	4.08	
S 197 Methyl Phenols,Total	108				0		4.00	4.08	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SVTAPSTD2.0i_00029 Amount Added: 1.00 Units: mL

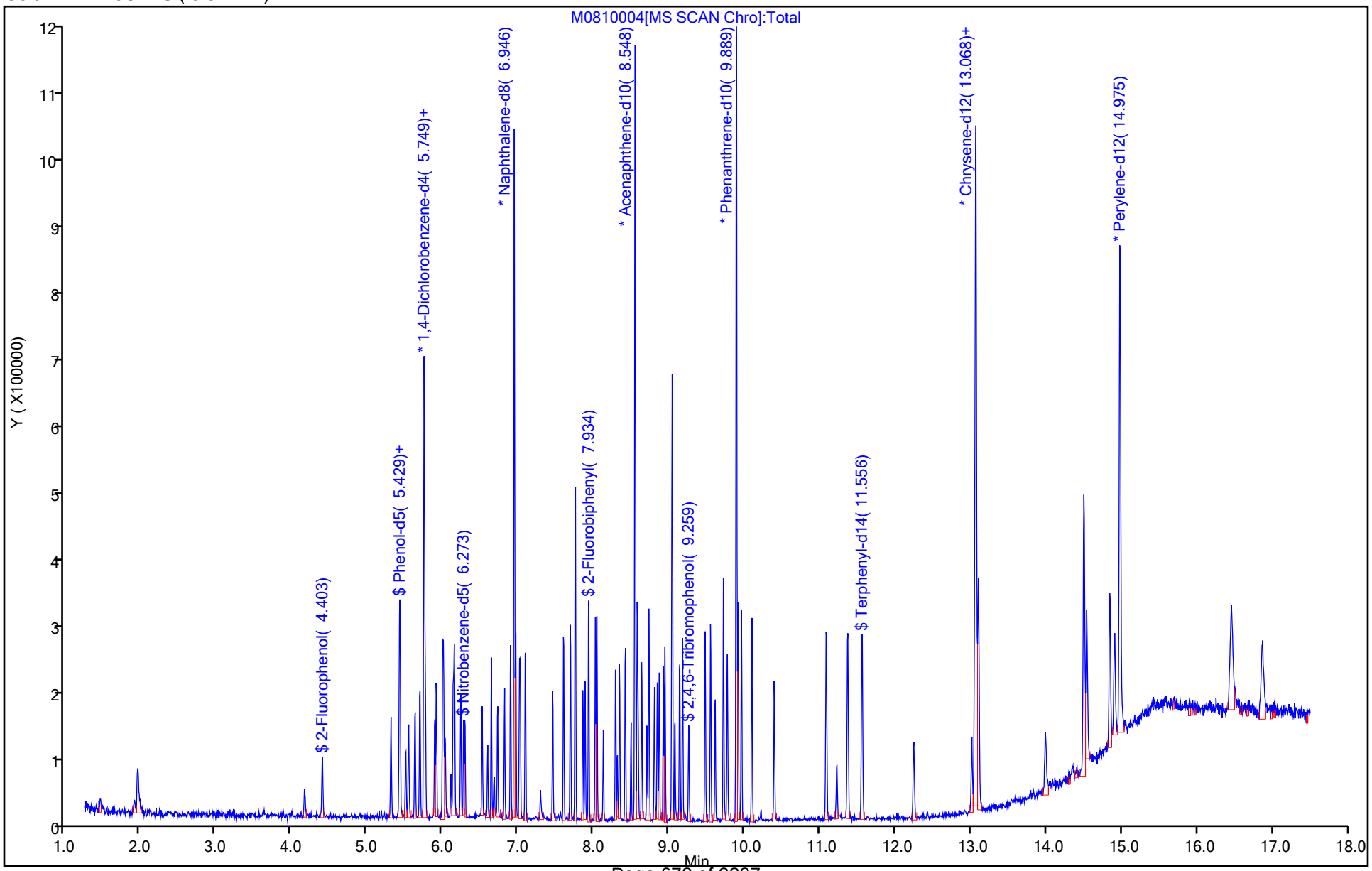
Report Date: 11-Aug-2022 07:04:10 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D

Injection Date:	10-Aug-2022 06:56:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

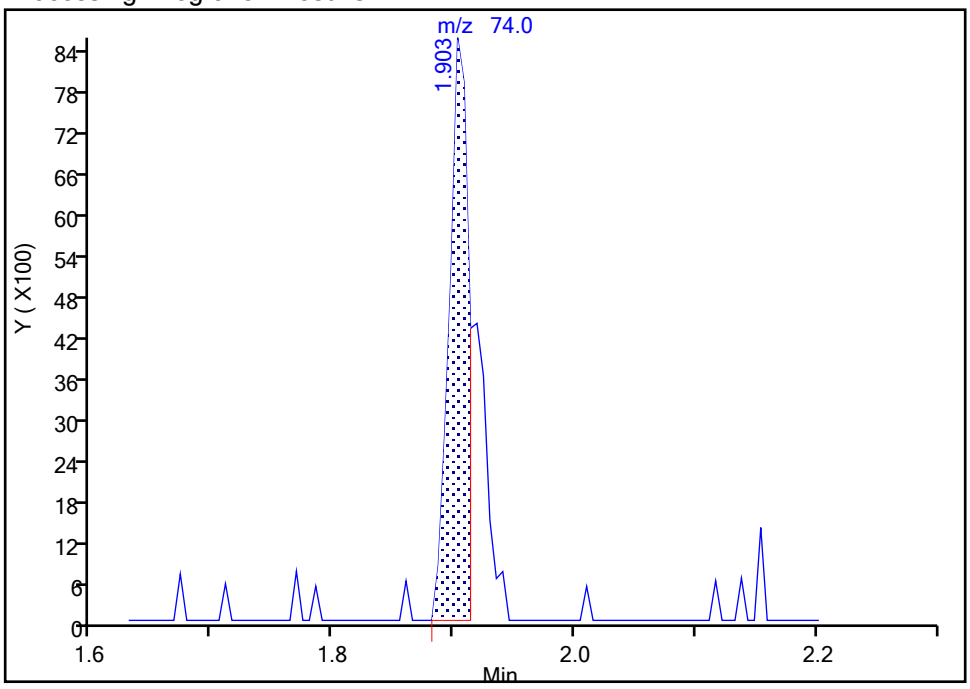
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Injection Date: 10-Aug-2022 06:56:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

14 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

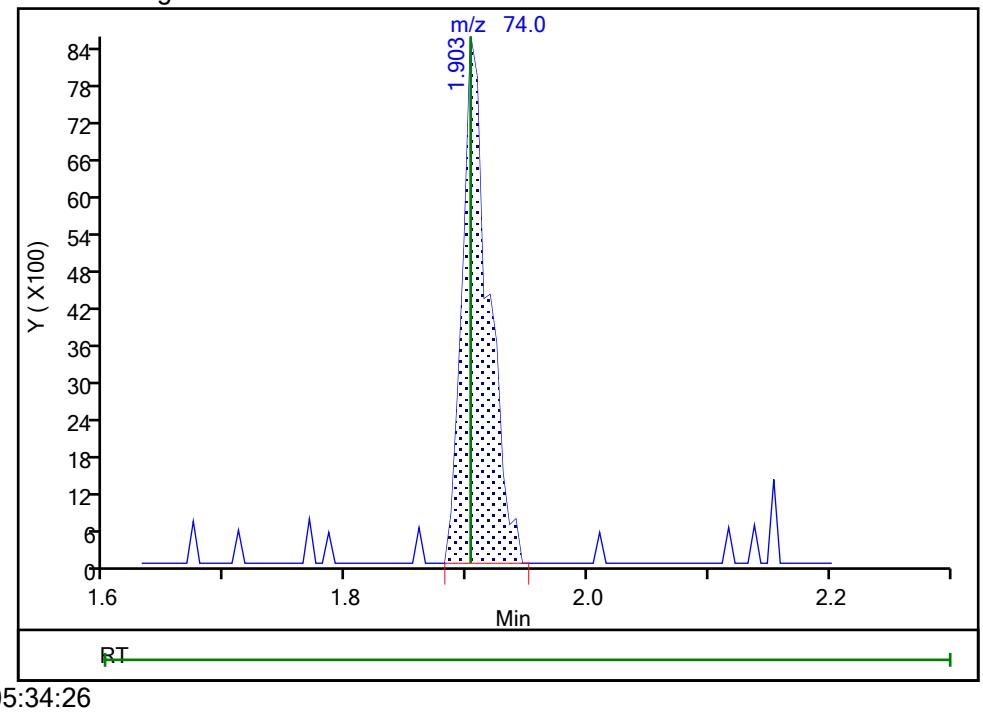
Processing Integration Results

RT: 1.90
Area: 9488
Amount: 1.567047
Amount Units: ng



Manual Integration Results

RT: 1.90
Area: 12941
Amount: 2.057006
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:34:26
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

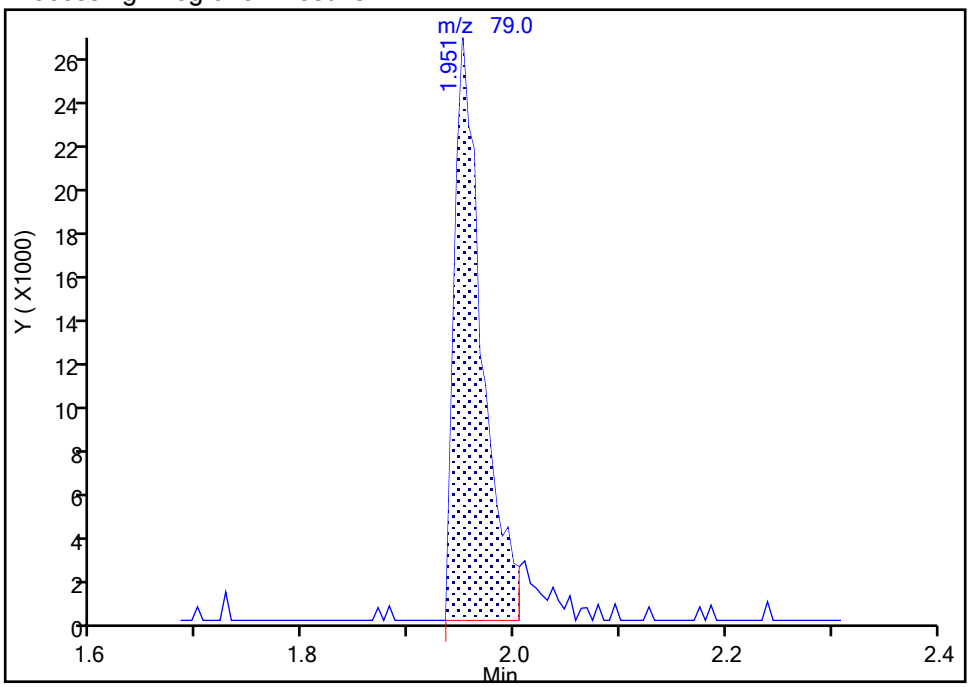
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Injection Date: 10-Aug-2022 06:56:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

15 Pyridine, CAS: 110-86-1

Signal: 1

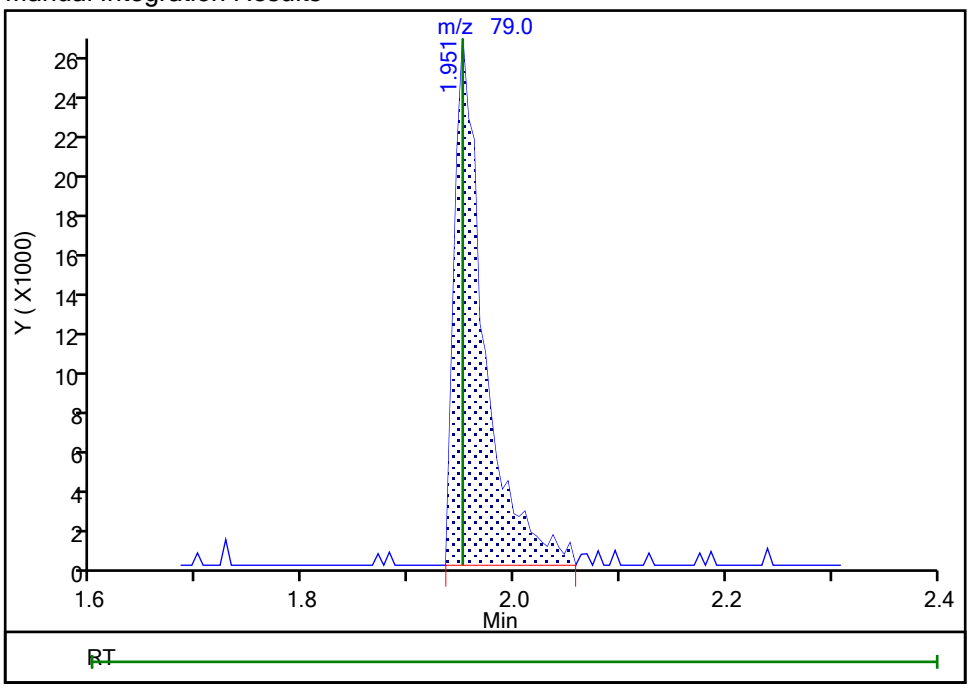
Processing Integration Results

RT: 1.95
Area: 47665
Amount: 4.375481
Amount Units: ng



Manual Integration Results

RT: 1.95
Area: 51451
Amount: 4.414918
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:34:31
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

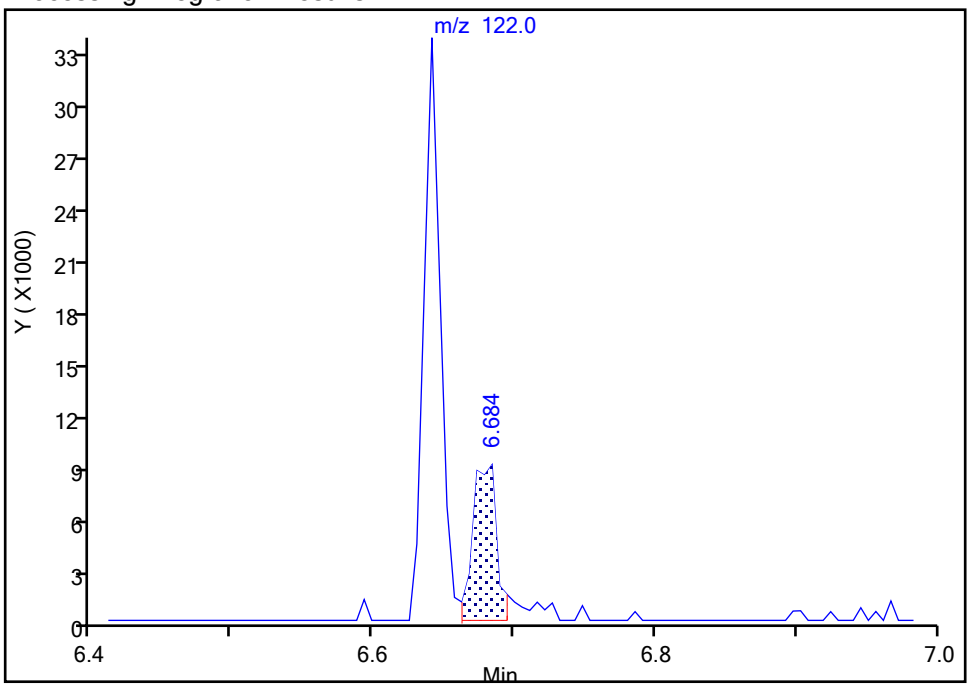
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Injection Date: 10-Aug-2022 06:56:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

52 Benzoic acid, CAS: 65-85-0

Signal: 1

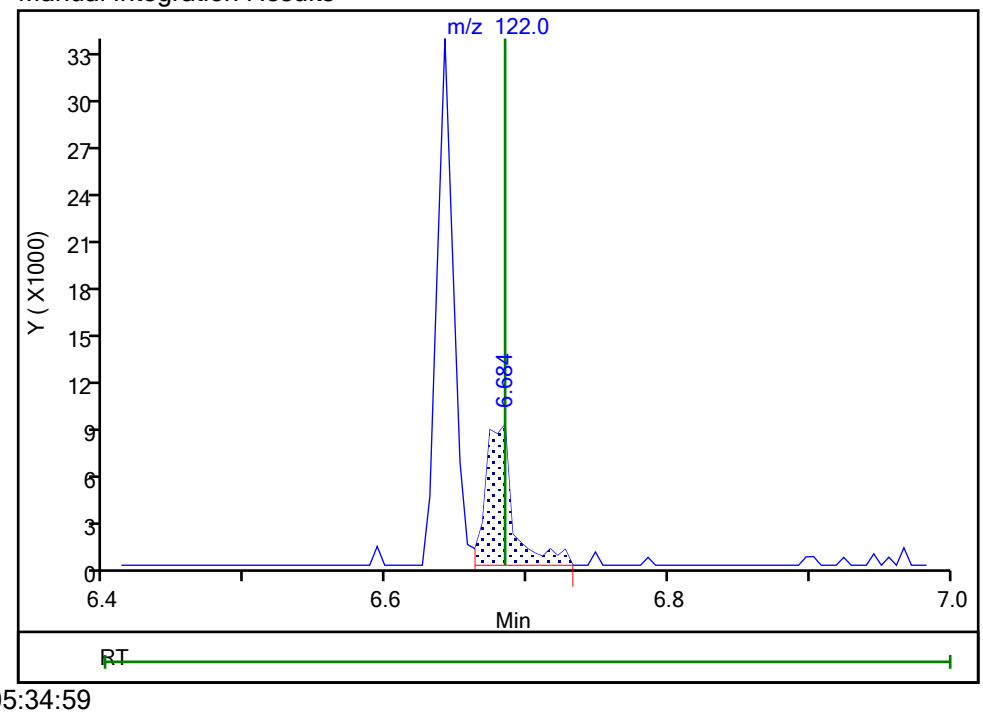
Processing Integration Results

RT: 6.68
Area: 10604
Amount: 1.479897
Amount Units: ng



Manual Integration Results

RT: 6.68
Area: 12216
Amount: 1.681229
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:34:59
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

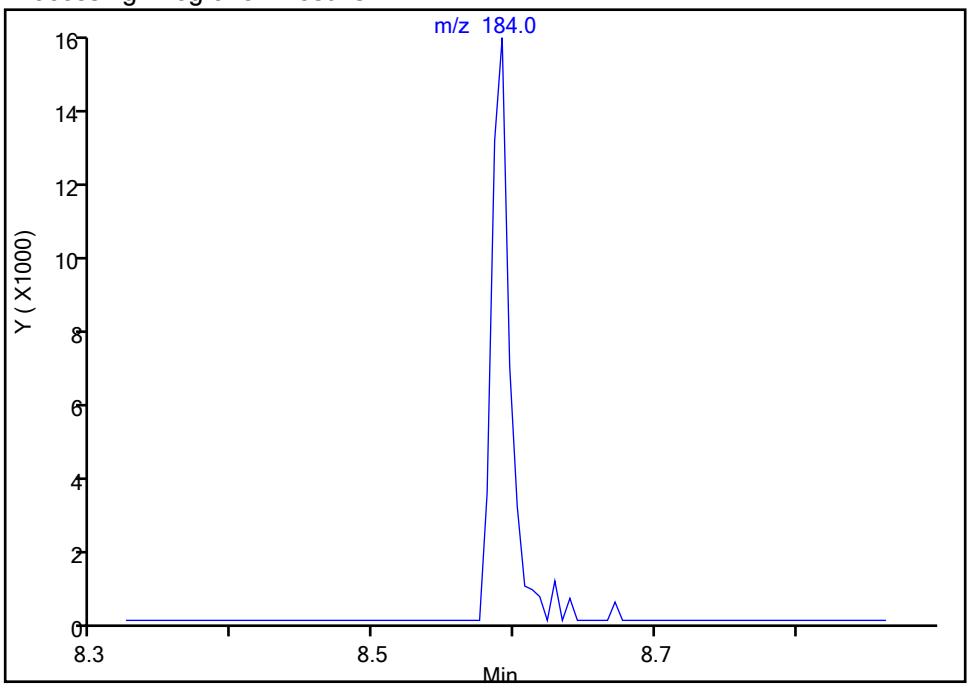
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Injection Date: 10-Aug-2022 06:56:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

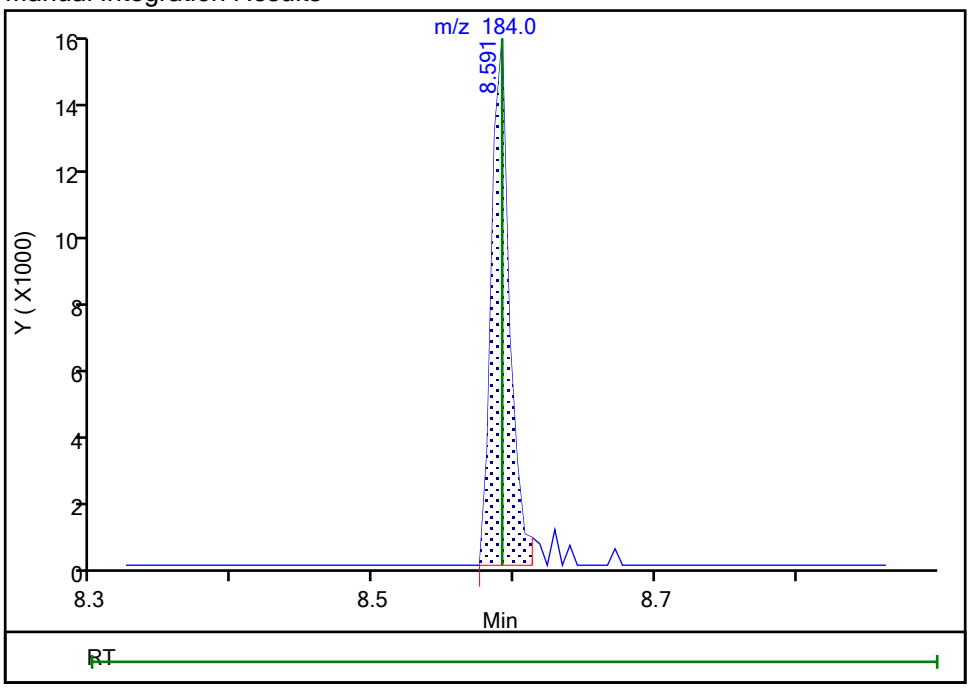
Not Detected
Expected RT: 8.59

Processing Integration Results



Manual Integration Results

RT: 8.59
Area: 14275
Amount: 3.270556
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:35:13
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

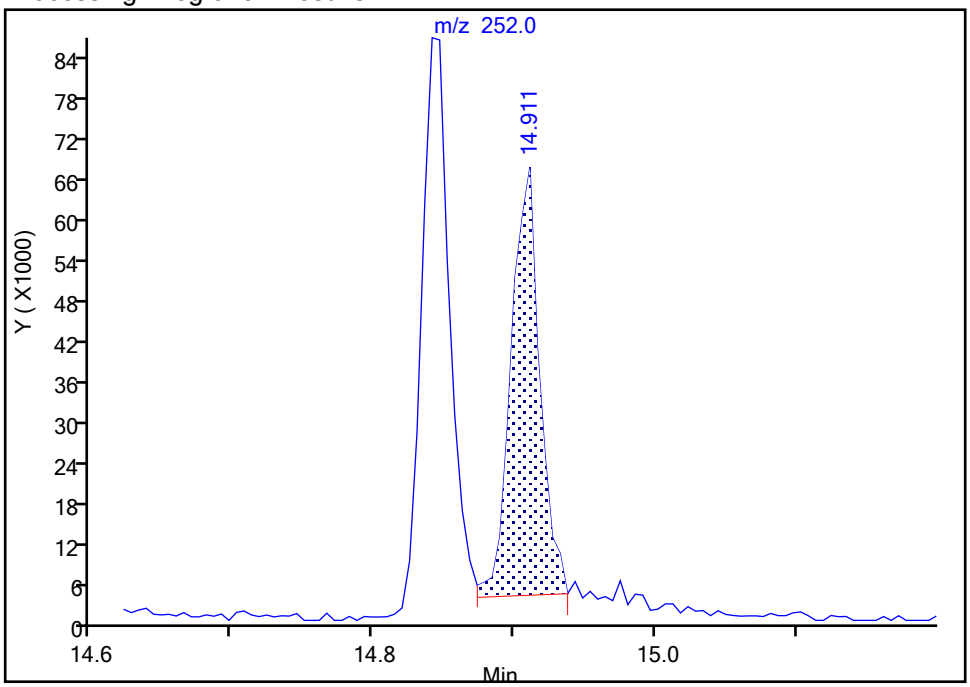
Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D				
Injection Date:	10-Aug-2022 06:56:30	Instrument ID:	CHMSD7		
Lims ID:	IC				
Client ID:					
Operator ID:	003200	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		
Column:	Rxi-5SilMS (0.32 mm)	Detector	MS SCAN		

154 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

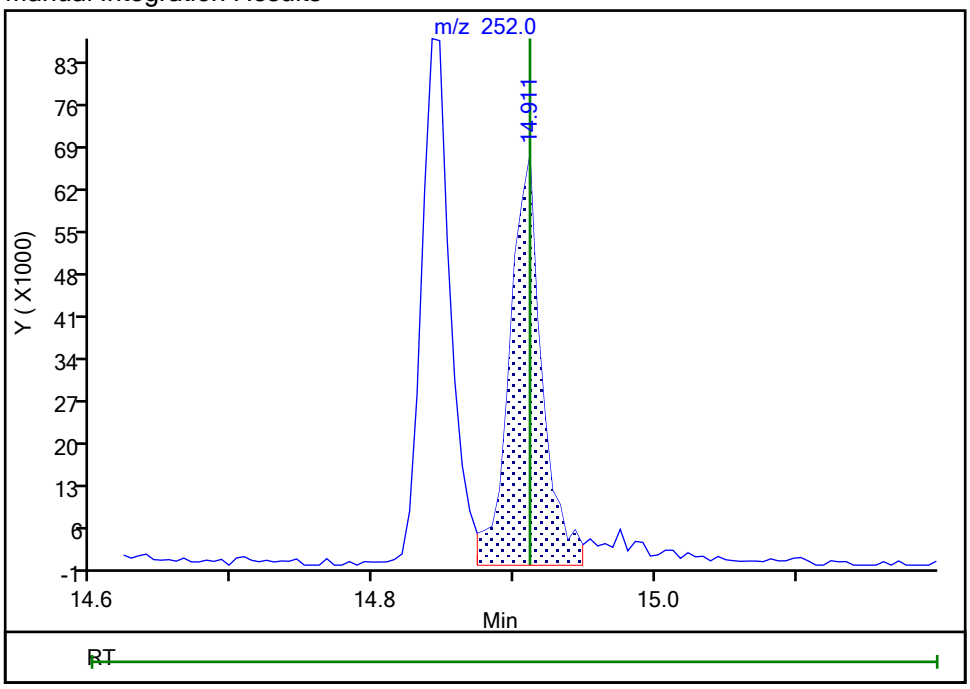
Processing Integration Results

RT: 14.91
Area: 89974
Amount: 1.701130
Amount Units: ng



Manual Integration Results

RT: 14.91
Area: 108416
Amount: 1.992631
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:36:11
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

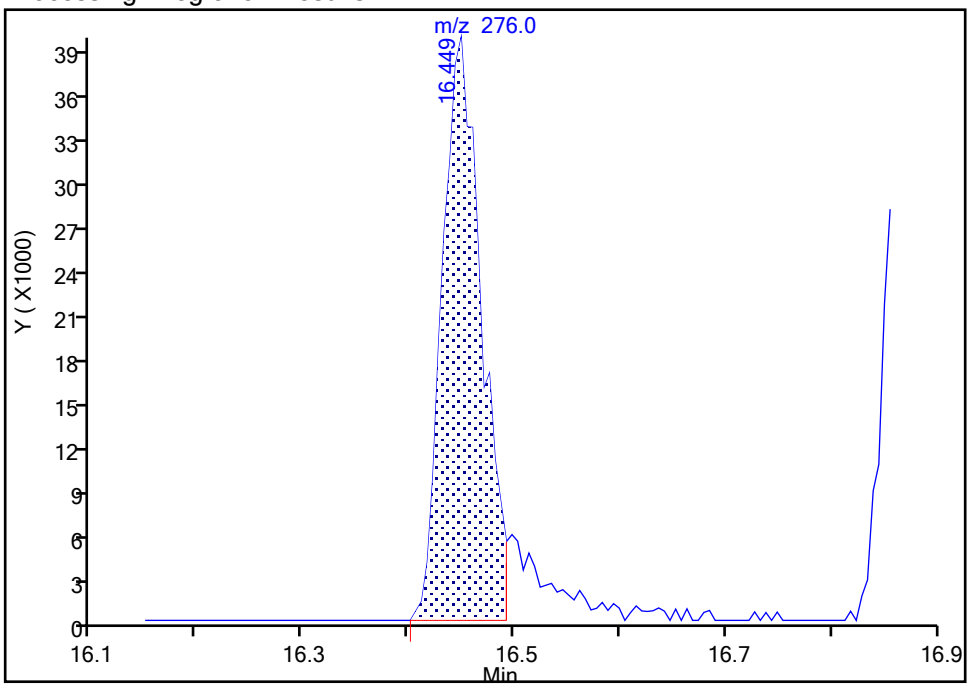
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D
Injection Date: 10-Aug-2022 06:56:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

157 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

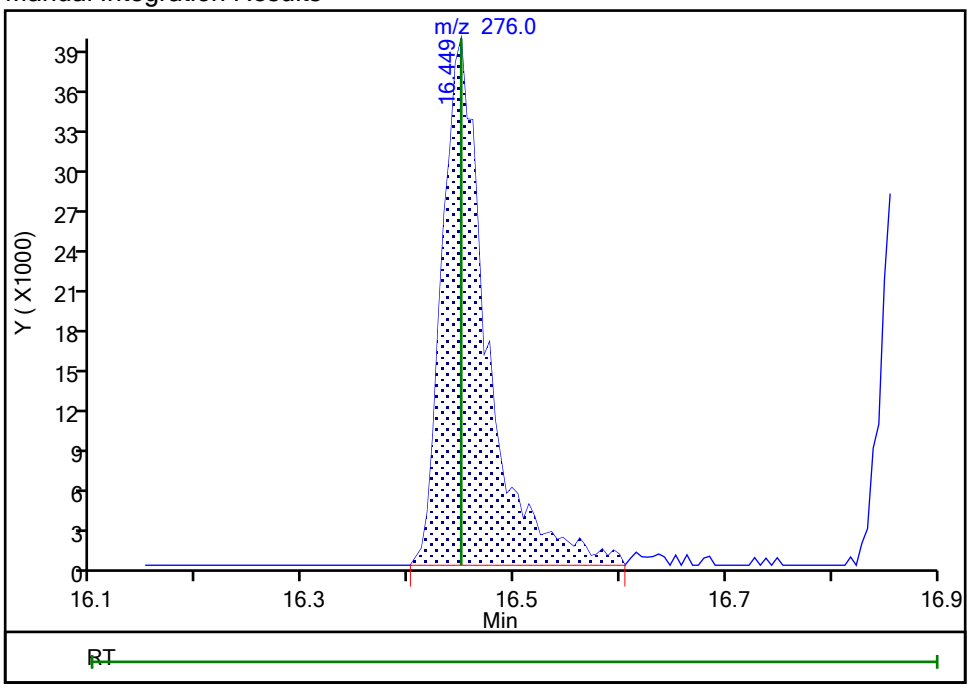
Processing Integration Results

RT: 16.45
Area: 101510
Amount: 1.836784
Amount Units: ng



Manual Integration Results

RT: 16.45
Area: 116161
Amount: 2.024480
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:36:18
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

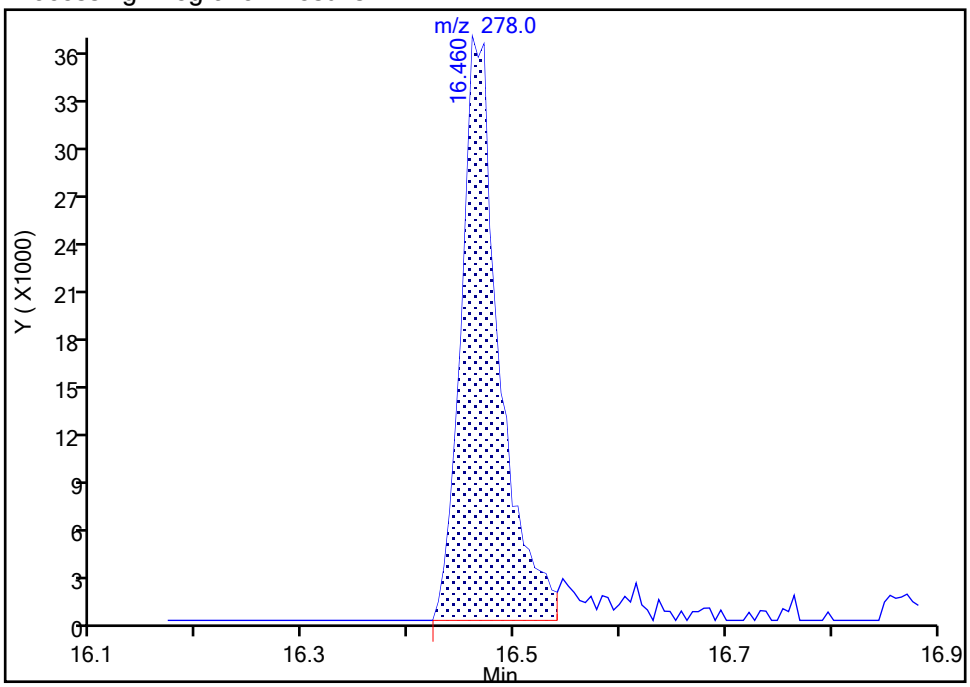
Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D				
Injection Date:	10-Aug-2022 06:56:30	Instrument ID:	CHMSD7		
Lims ID:	IC				
Client ID:					
Operator ID:	003200	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		
Column:	Rxi-5SilMS (0.32 mm)	Detector	MS SCAN		

158 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

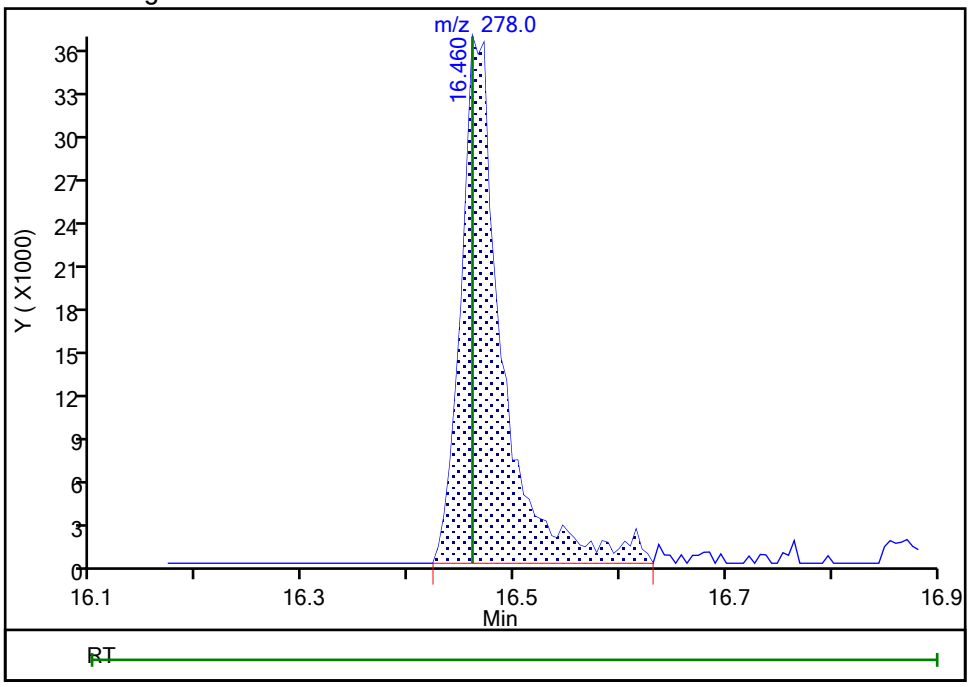
Processing Integration Results

RT: 16.46
Area: 91090
Amount: 1.934444
Amount Units: ng



Manual Integration Results

RT: 16.46
Area: 98250
Amount: 1.999059
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:36:28
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

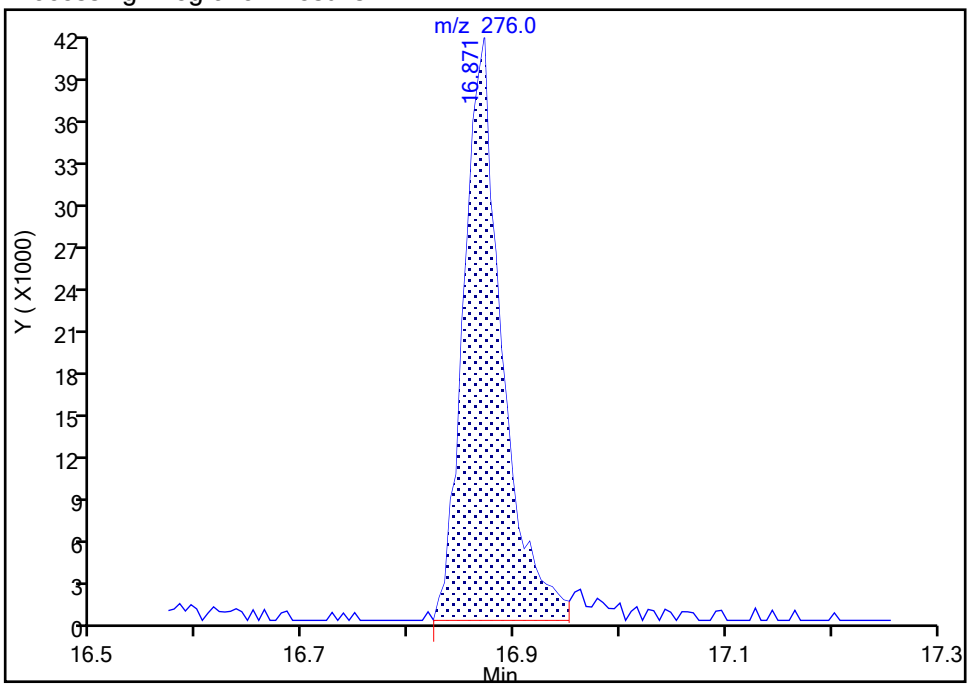
Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810004.D				
Injection Date:	10-Aug-2022 06:56:30	Instrument ID:	CHMSD7		
Lims ID:	IC				
Client ID:					
Operator ID:	003200	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		
Column:	Rxi-5SilMS (0.32 mm)	Detector	MS SCAN		

159 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

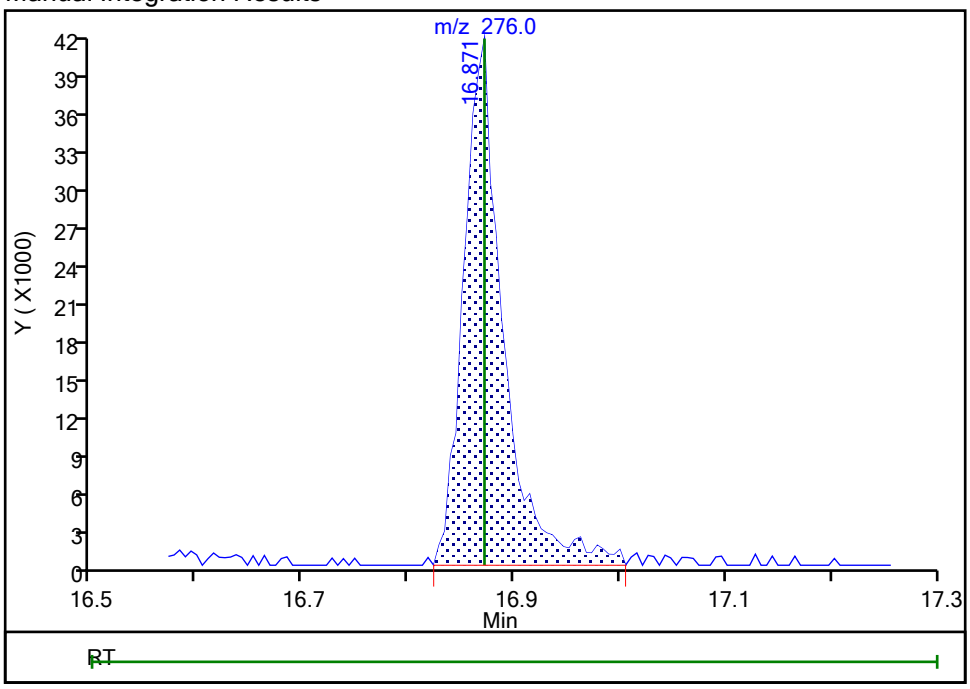
Processing Integration Results

RT: 16.87
Area: 104619
Amount: 2.045492
Amount Units: ng



Manual Integration Results

RT: 16.87
Area: 108482
Amount: 2.058050
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:36:35

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Report Date: 11-Aug-2022 07:04:14 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Aug-2022 07:18:30 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-005
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:13 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:34:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	0.000	95	117751	8.00	8.00	
* 2 Naphthalene-d8	136	6.936	6.936	0.000	99	390108	8.00	8.00	
* 3 Acenaphthene-d10	164	8.539	8.539	0.000	93	230368	8.00	8.00	
* 4 Phenanthrene-d10	188	9.880	9.880	0.000	94	437458	8.00	8.00	
* 5 Chrysene-d12	240	13.053	13.053	0.000	97	471086	8.00	8.00	
* 6 Perylene-d12	264	14.960	14.960	0.000	99	380793	8.00	8.00	
$ 7 2-Fluorophenol	112	4.393	4.393	0.000	90	57200	4.00	3.79	
$ 8 Phenol-d5	99	5.414	5.414	0.000	0	86620	4.00	3.94	
$ 9 Nitrobenzene-d5	82	6.263	6.263	0.000	91	77451	4.00	3.85	
$ 10 2-Fluorobiphenyl	172	7.925	7.925	0.000	99	175848	4.00	3.97	
$ 11 2,4,6-Tribromophenol	330	9.249	9.249	0.000	94	28472	4.00	3.92	
$ 12 Terphenyl-d14	244	11.541	11.541	0.000	95	249266	4.00	3.87	
13 1,4-Dioxane	88	1.461	1.461	0.000	86	18848	4.00	3.67	
14 N-Nitrosodimethylamine	74	1.904	1.904	0.000	93	26068	4.00	3.75	
15 Pyridine	79	1.941	1.941	0.000	96	105551	8.00	8.20	M
21 Methyl methanesulfonate	80	4.158	4.158	0.000	88	33865	4.00	4.03	
25 Benzaldehyde	77	5.302	5.302	0.000	92	60290	4.00	4.13	
26 Phenol	94	5.425	5.425	0.000	85	95697	4.00	4.01	
27 Aniline	93	5.419	5.419	0.000	80	114777	4.00	4.11	
29 Bis(2-chloroethyl)ether	93	5.499	5.499	0.000	90	57719	4.00	3.86	
30 2-Chlorophenol	128	5.537	5.537	0.000	95	66906	4.00	3.96	
31 n-Decane	43	5.622	5.622	0.000	89	62664	4.00	3.96	
32 1,3-Dichlorobenzene	146	5.686	5.686	0.000	96	83196	4.00	3.87	
33 1,4-Dichlorobenzene	146	5.761	5.761	0.000	92	85634	4.00	4.12	
34 Benzyl alcohol	108	5.884	5.884	0.000	88	38184	4.00	3.63	
35 1,2-Dichlorobenzene	146	5.905	5.905	0.000	96	83867	4.00	4.07	
37 Indene	116	5.991	5.991	0.000	88	129274	4.00	3.88	
36 2-Methylphenol	108	6.001	6.001	0.000	96	60491	4.00	4.10	
38 2,2'-oxybis[1-chloropropane]	45	6.023	6.023	0.000	88	84270	4.00	4.20	
39 N-Nitrosopyrrolidine	100	6.098	6.098	0.000	80	28765	4.00	3.58	
40 Acetophenone	105	6.130	6.130	0.000	92	91996	4.00	4.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.135	6.135	0.000	86	50385	4.00	3.91	
42 4-Methylphenol	108	6.146	6.146	0.000	94	63439	4.00	4.02	
45 Hexachloroethane	117	6.231	6.231	0.000	88	35479	4.00	3.75	
46 Nitrobenzene	77	6.285	6.285	0.000	90	76251	4.00	3.84	
48 Isophorone	82	6.509	6.509	0.000	97	121993	4.00	3.71	
49 2-Nitrophenol	139	6.584	6.584	0.000	92	31107	4.00	3.77	
50 2,4-Dimethylphenol	107	6.632	6.632	0.000	96	72312	4.00	4.01	
52 Benzoic acid	122	6.675	6.675	0.000	91	22425	4.00	2.81	
53 Bis(2-chloroethoxy)methane	93	6.717	6.717	0.000	91	83645	4.00	3.76	
54 2,4-Dichlorophenol	162	6.808	6.808	0.000	93	62447	4.00	3.88	
56 1,2,4-Trichlorobenzene	180	6.888	6.888	0.000	92	83635	4.00	3.97	
58 Naphthalene	128	6.958	6.958	0.000	98	208120	4.00	4.04	
59 4-Chloroaniline	127	7.006	7.006	0.000	93	80997	4.00	3.77	
60 2,6-Dichlorophenol	162	7.016	7.016	0.000	94	61551	4.00	4.04	
62 Hexachlorobutadiene	225	7.086	7.086	0.000	94	60372	4.00	4.20	
64 Caprolactam	113	7.284	7.284	0.000	73	9280	4.00	3.67	
67 4-Chloro-3-methylphenol	107	7.444	7.444	0.000	93	59317	4.00	3.99	
69 2-Methylnaphthalene	142	7.593	7.593	0.000	93	134409	4.00	3.99	
71 1-Methylnaphthalene	142	7.679	7.679	0.000	92	132942	4.00	3.97	
73 1,2,4,5-Tetrachlorobenzene	216	7.748	7.748	0.000	96	92615	4.00	4.06	
72 Hexachlorocyclopentadiene	237	7.743	7.743	0.000	92	61482	4.00	3.57	
74 2,4,6-Trichlorophenol	196	7.845	7.845	0.000	94	46914	4.00	3.68	
75 2,4,5-Trichlorophenol	196	7.877	7.877	0.000	90	49685	4.00	3.75	
76 1,1'-Biphenyl	154	8.015	8.015	0.000	95	171960	4.00	3.95	
77 2-Chloronaphthalene	162	8.031	8.031	0.000	96	136670	4.00	3.94	
79 2-Nitroaniline	65	8.117	8.117	0.000	75	35851	4.00	3.46	
82 Dimethyl phthalate	163	8.283	8.283	0.000	97	149833	4.00	3.70	
83 1,3-Dinitrobenzene	168	8.304	8.304	0.000	80	14613	4.00	3.21	
84 2,6-Dinitrotoluene	165	8.331	8.331	0.000	86	29553	4.00	3.53	
85 Acenaphthylene	152	8.411	8.411	0.000	98	191874	4.00	3.79	
86 3-Nitroaniline	138	8.486	8.486	0.000	88	27393	4.00	3.50	
88 Acenaphthene	153	8.566	8.566	0.000	96	127142	4.00	3.78	
87 2,4-Dinitrophenol	184	8.582	8.582	0.000	78	31117	8.00	6.48	a
89 4-Nitrophenol	109	8.630	8.630	0.000	91	46453	8.00	7.10	
91 2,4-Dinitrotoluene	165	8.699	8.699	0.000	86	38310	4.00	3.63	
93 Dibenzofuran	168	8.721	8.721	0.000	95	190844	4.00	3.94	
95 2,3,5,6-Tetrachlorophenol	232	8.795	8.795	0.000	92	47310	4.00	3.65	
96 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.000	71	48179	4.00	3.76	
97 2-Naphthylamine	143	8.860	8.860	0.000	95	113226	4.00	3.77	
98 Diethyl phthalate	149	8.913	8.913	0.000	96	130598	4.00	3.63	
99 Hexadecane	57	8.934	8.934	0.000	94	68858	4.00	3.66	
100 4-Chlorophenyl phenyl ether	204	9.025	9.025	0.000	92	92392	4.00	3.72	
103 Fluorene	166	9.030	9.030	0.000	92	147797	4.00	3.81	
101 4-Nitroaniline	138	9.036	9.036	0.000	70	28365	4.00	3.83	
104 4,6-Dinitro-2-methylphenol	198	9.068	9.068	0.000	83	38877	8.00	6.38	
105 N-Nitrosodiphenylamine	169	9.132	9.132	0.000	65	98885	4.00	3.97	
215 Azobenzene	77	9.169	9.169	0.000	98	162000	4.00	4.05	
90 1,2-Diphenylhydrazine	77	9.169	9.169	0.000	97	162000	4.00	4.05	
110 4-Bromophenyl phenyl ether	248	9.469	9.469	0.000	67	62513	4.00	4.07	
112 Hexachlorobenzene	284	9.538	9.538	0.000	93	67734	4.00	4.00	
113 Atrazine	200	9.602	9.602	0.000	92	43397	4.00	3.82	
116 Pentachlorophenol	266	9.709	9.709	0.000	90	78214	8.00	7.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.762	9.762	0.000	88	67258	4.00	3.49	
121 Phenanthrene	178	9.901	9.901	0.000	96	215025	4.00	3.93	
122 Anthracene	178	9.949	9.949	0.000	98	208572	4.00	4.00	
124 Carbazole	167	10.088	10.088	0.000	97	184900	4.00	3.94	
126 Di-n-butyl phthalate	149	10.382	10.382	0.000	99	191205	4.00	3.57	
131 Fluoranthene	202	11.071	11.071	0.000	96	280097	4.00	4.01	
132 Benzidine	184	11.210	11.210	0.000	98	95987	4.00	3.60	
133 Pyrene	202	11.354	11.354	0.000	98	296579	4.00	4.00	
138 Butyl benzyl phthalate	149	12.230	12.230	0.000	96	65489	4.00	3.44	
144 3,3'-Dichlorobenzidine	252	13.000	13.000	0.000	73	70267	4.00	3.62	
146 Benzo[a]anthracene	228	13.037	13.037	0.000	95	273148	4.00	3.88	
145 Bis(2-ethylhexyl) phthalate	149	13.080	13.080	0.000	95	88219	4.00	3.49	
147 Chrysene	228	13.090	13.090	0.000	95	275394	4.00	3.88	
150 Di-n-octyl phthalate	149	13.977	13.977	0.000	99	162191	4.00	3.38	
151 7,12-Dimethylbenz(a)anthracene	256	14.479	14.479	0.000	90	111284	4.00	3.84	
152 Benzo[b]fluoranthene	252	14.490	14.490	0.000	94	266384	4.00	4.11	
153 Benzo[k]fluoranthene	252	14.522	14.522	0.000	96	289125	4.00	4.29	
217 Benzo[e]pyrene	252	14.827	14.827	0.000	93	243726	4.00	4.07	
154 Benzo[a]pyrene	252	14.891	14.891	0.000	74	212872	4.00	3.94	
157 Indeno[1,2,3-cd]pyrene	276	16.424	16.424	0.000	96	223773	4.00	3.93	M
158 Dibenz(a,h)anthracene	278	16.440	16.440	0.000	88	194263	4.00	3.99	M
159 Benzo[g,h,i]perylene	276	16.841	16.841	0.000	95	203061	4.00	3.88	M
S 199 Total Cresols	108				0		8.00	8.12	
S 197 Methyl Phenols,Total	108				0		8.00	8.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SVTAPSTD4.0i_00026 Amount Added: 1.00 Units: mL

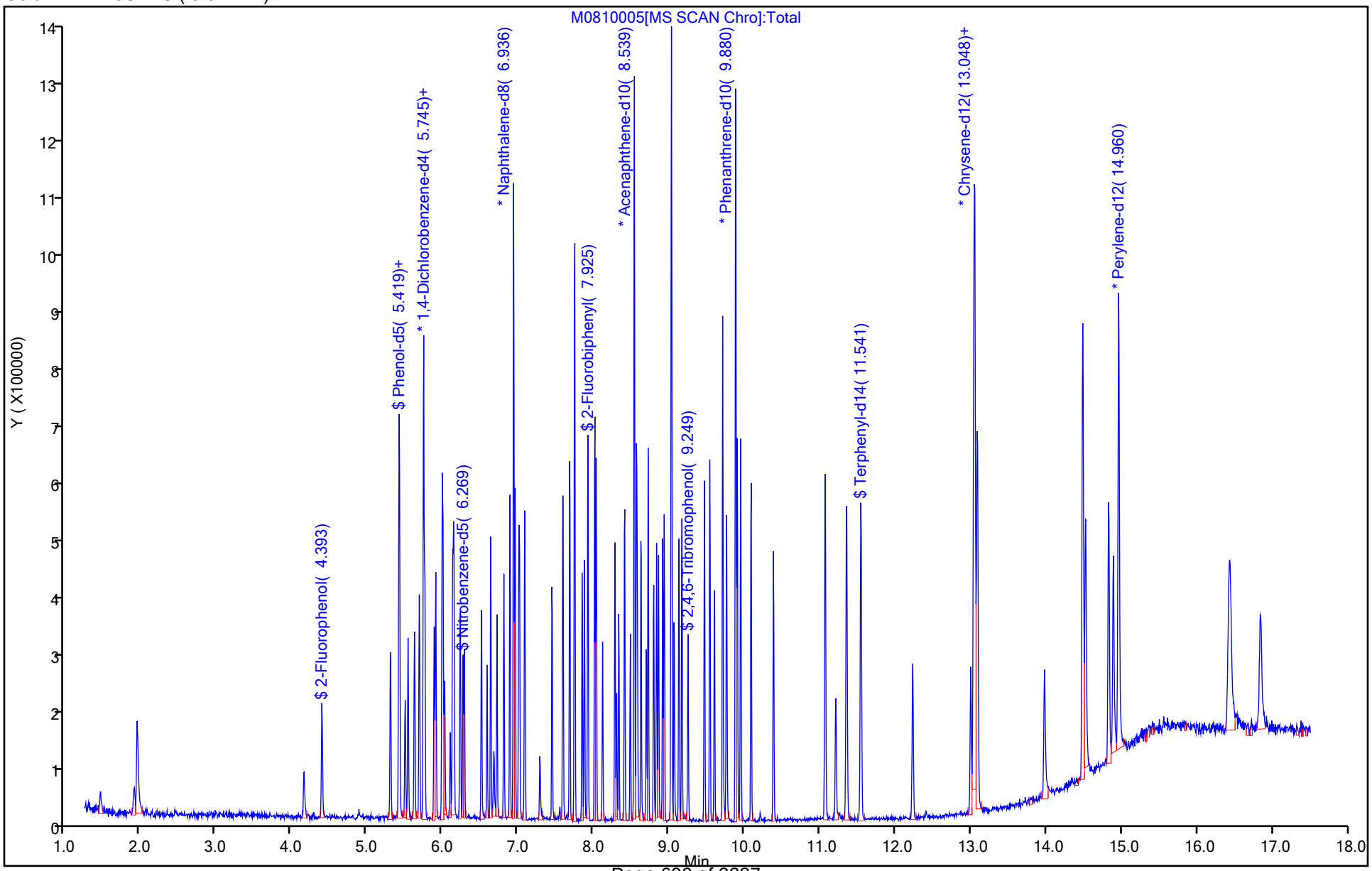
Report Date: 11-Aug-2022 07:04:14 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D

Injection Date:	10-Aug-2022 07:18:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

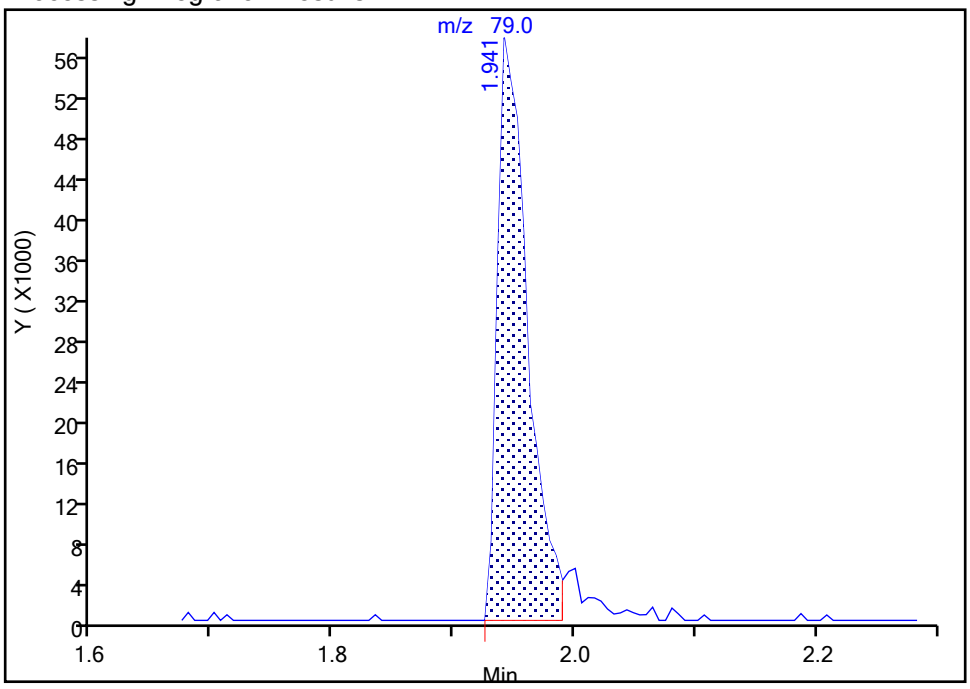
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Injection Date: 10-Aug-2022 07:18:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

15 Pyridine, CAS: 110-86-1

Signal: 1

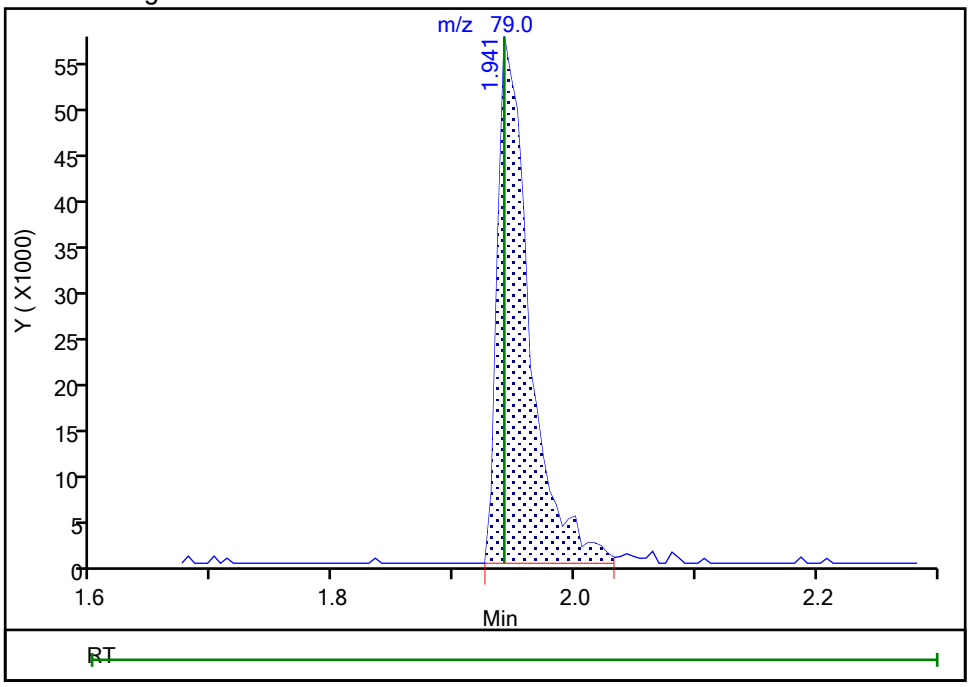
Processing Integration Results

RT: 1.94
Area: 99232
Amount: 8.319696
Amount Units: ng



Manual Integration Results

RT: 1.94
Area: 105551
Amount: 8.204277
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:33:00
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

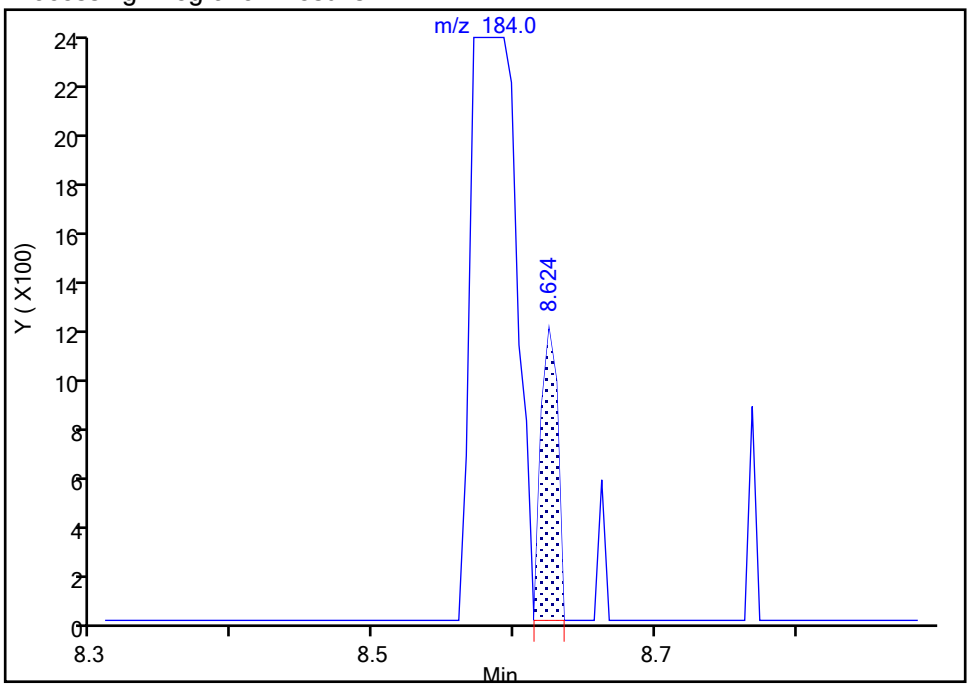
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Injection Date: 10-Aug-2022 07:18:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

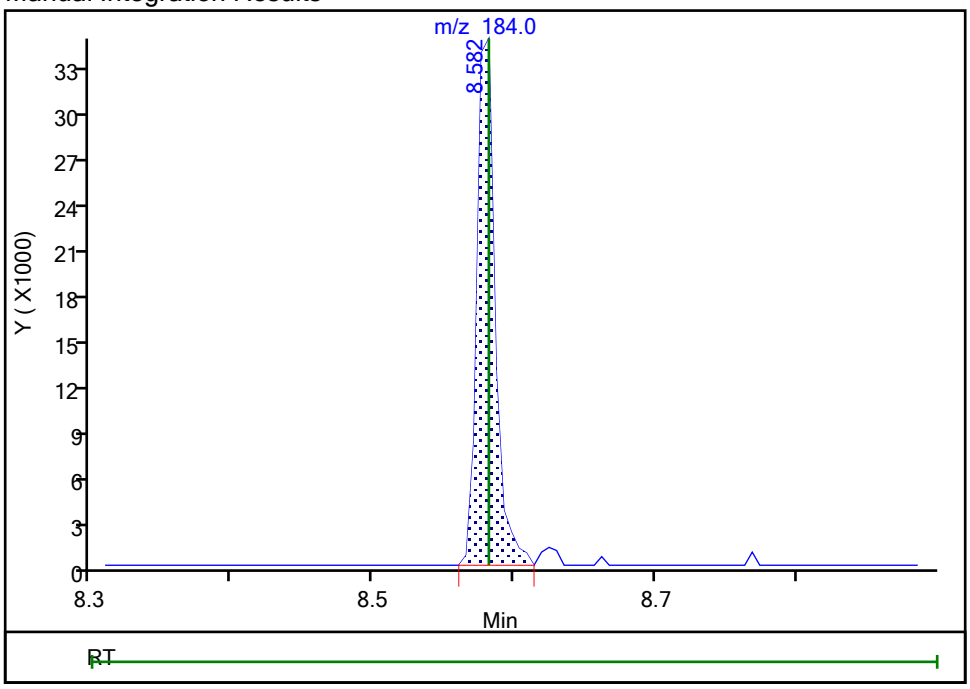
Processing Integration Results

RT: 8.62
Area: 959
Amount: 0.816479
Amount Units: ng



Manual Integration Results

RT: 8.58
Area: 31117
Amount: 6.482103
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:33:27
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

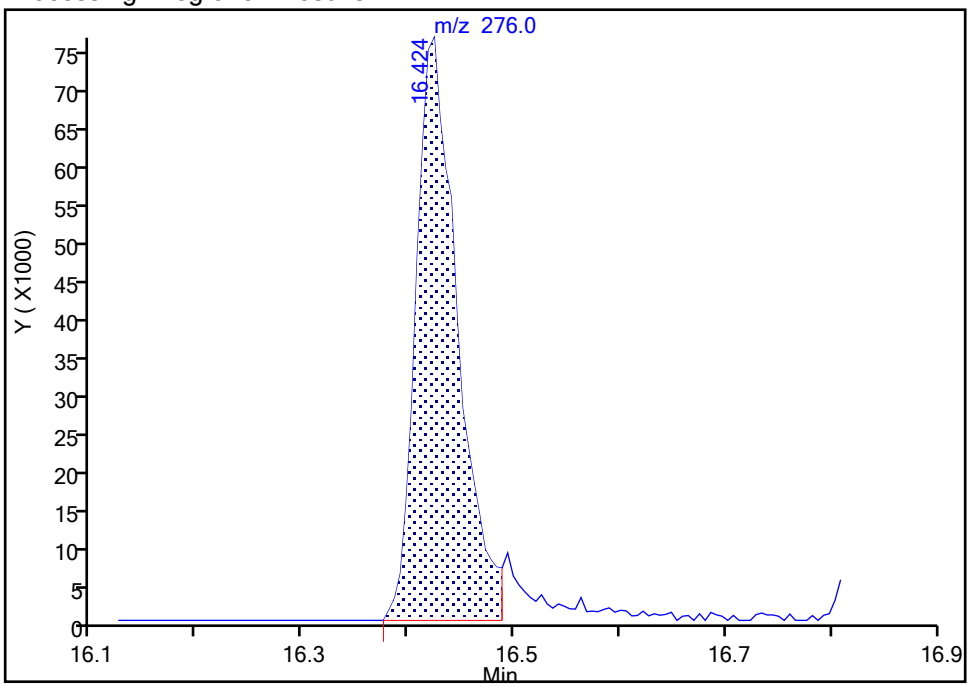
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Injection Date: 10-Aug-2022 07:18:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

157 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

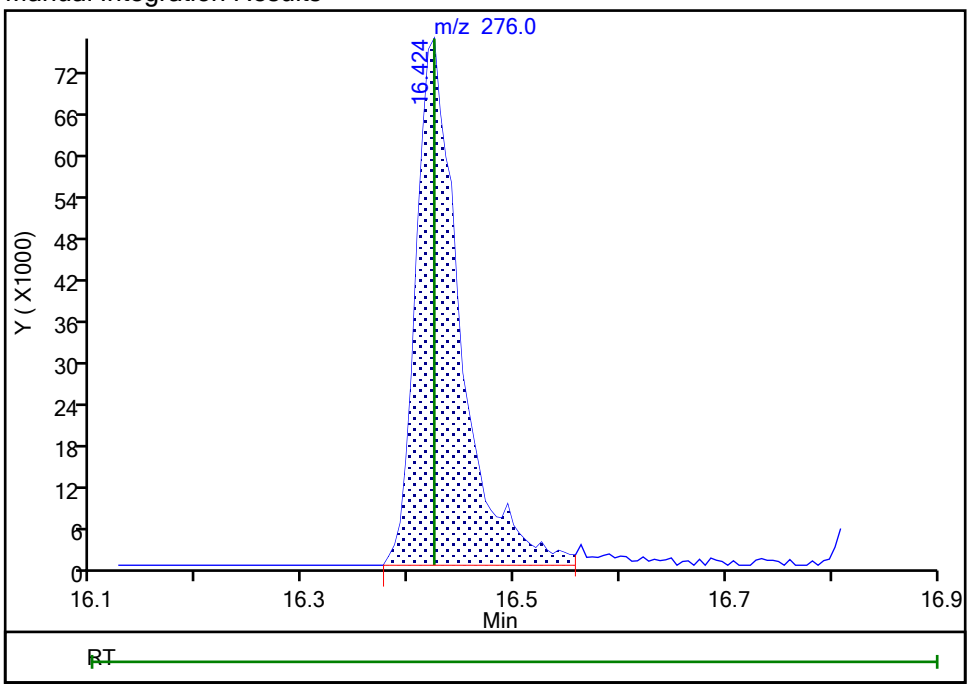
Processing Integration Results

RT: 16.42
Area: 209941
Amount: 3.860752
Amount Units: ng



Manual Integration Results

RT: 16.42
Area: 223773
Amount: 3.932309
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:33:44
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

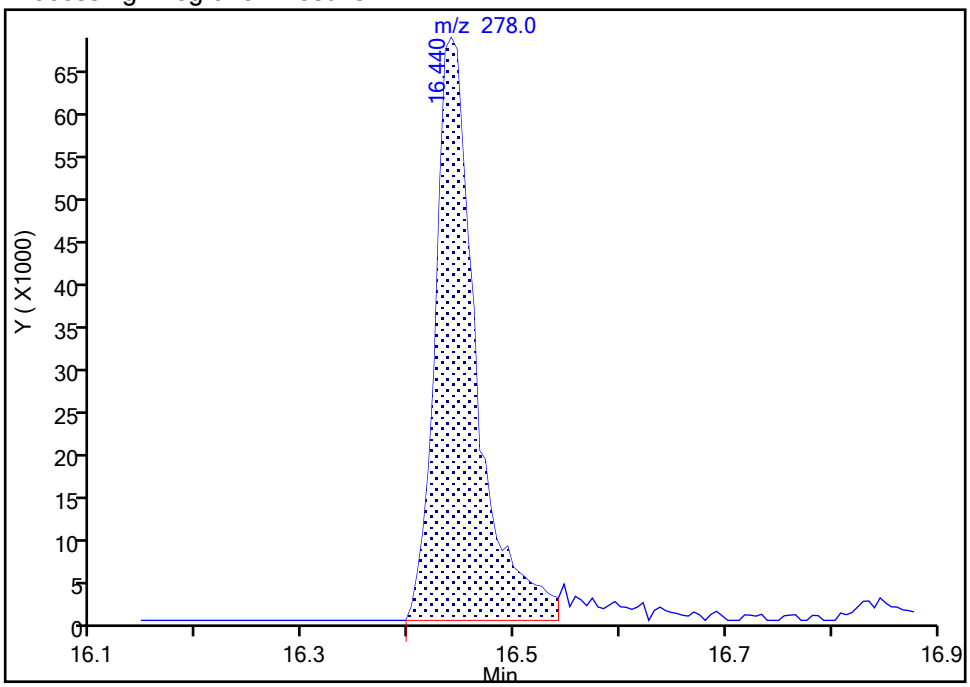
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Injection Date: 10-Aug-2022 07:18:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

158 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

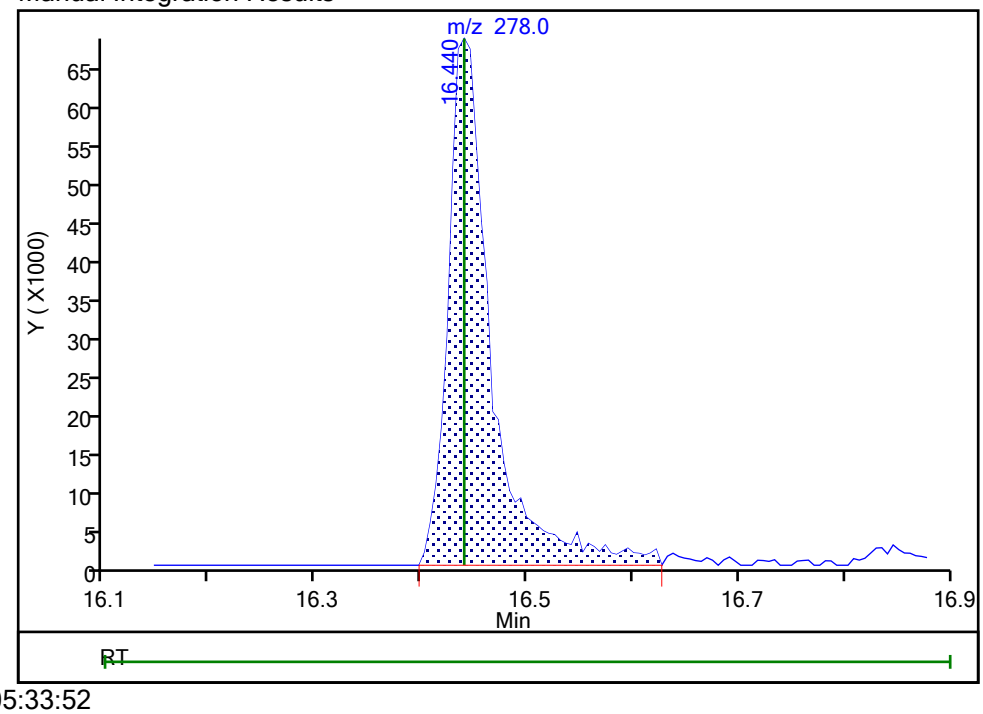
Processing Integration Results

RT: 16.44
Area: 184465
Amount: 3.975970
Amount Units: ng



Manual Integration Results

RT: 16.44
Area: 194263
Amount: 3.985381
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:33:52
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

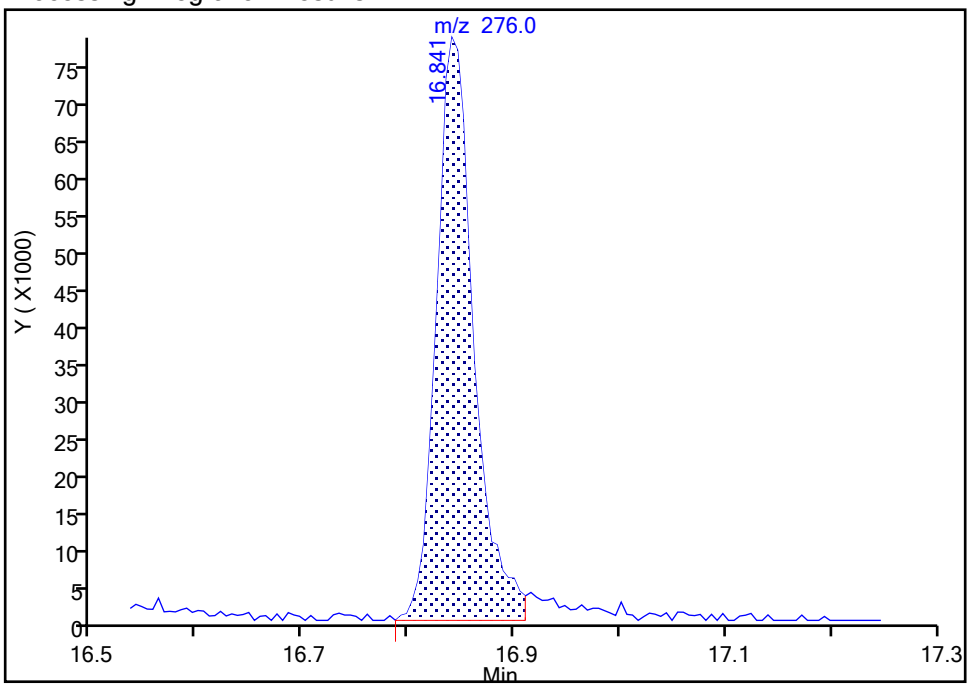
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810005.D
Injection Date: 10-Aug-2022 07:18:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

159 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

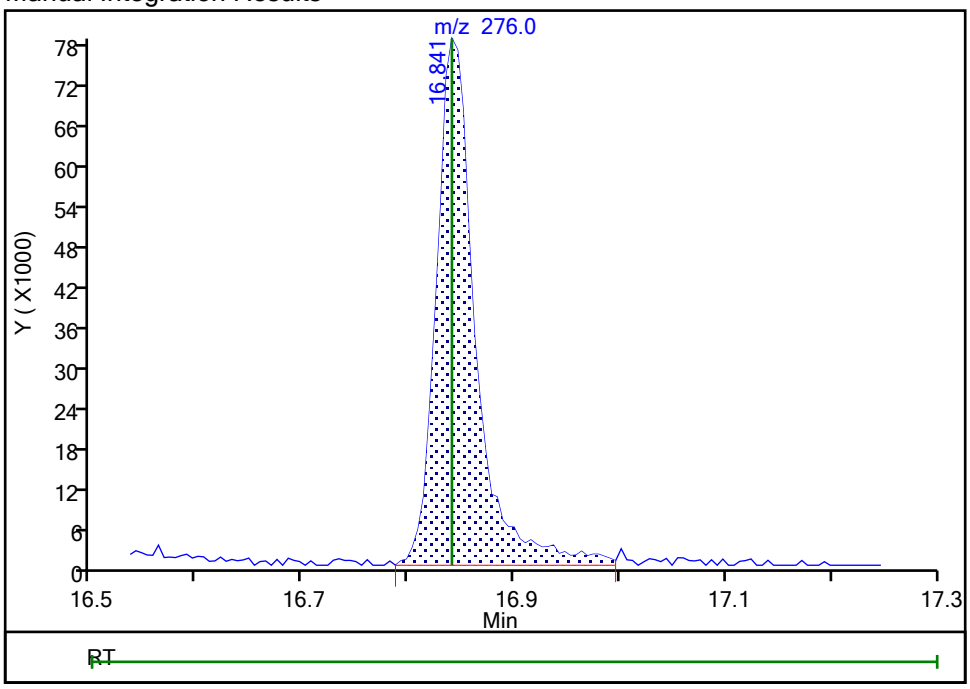
Processing Integration Results

RT: 16.84
Area: 192878
Amount: 3.826396
Amount Units: ng



Manual Integration Results

RT: 16.84
Area: 203061
Amount: 3.884289
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:33:57
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Report Date: 11-Aug-2022 07:04:18 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810006.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 10-Aug-2022 07:40:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-006
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:17 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:32:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.742	5.742	0.000	95	97938	8.00	8.00	
* 2 Naphthalene-d8	136	6.939	6.939	0.000	99	336678	8.00	8.00	
* 3 Acenaphthene-d10	164	8.536	8.536	0.000	95	191222	8.00	8.00	
* 4 Phenanthrene-d10	188	9.882	9.882	0.000	96	387368	8.00	8.00	
* 5 Chrysene-d12	240	13.050	13.050	0.000	97	415495	8.00	8.00	
* 6 Perylene-d12	264	14.957	14.957	0.000	98	365900	8.00	8.00	
$ 7 2-Fluorophenol	112	4.396	4.396	0.000	93	121929	10.0	9.72	
$ 8 Phenol-d5	99	5.411	5.411	0.000	0	191158	10.0	10.5	
$ 9 Nitrobenzene-d5	82	6.266	6.266	0.000	91	175631	10.0	10.1	
$ 10 2-Fluorobiphenyl	172	7.922	7.922	0.000	100	370877	10.0	10.1	
$ 11 2,4,6-Tribromophenol	330	9.252	9.252	0.000	93	66564	10.0	10.4	
$ 12 Terphenyl-d14	244	11.538	11.538	0.000	95	546885	10.0	9.64	
13 1,4-Dioxane	88	1.453	1.453	0.000	87	42210	10.0	9.88	
14 N-Nitrosodimethylamine	74	1.896	1.896	0.000	89	59191	10.0	10.2	
15 Pyridine	79	1.939	1.939	0.000	95	225361	20.0	21.1	
21 Methyl methanesulfonate	80	4.156	4.156	0.000	87	67709	10.0	9.69	
25 Benzaldehyde	77	5.304	5.304	0.000	91	131744	10.0	10.8	
27 Aniline	93	5.422	5.422	0.000	94	243096	10.0	10.5	
26 Phenol	94	5.427	5.427	0.000	95	211722	10.0	10.7	
29 Bis(2-chloroethyl)ether	93	5.497	5.497	0.000	88	119160	10.0	9.58	
30 2-Chlorophenol	128	5.539	5.539	0.000	96	146254	10.0	10.4	
31 n-Decane	43	5.619	5.619	0.000	91	144155	10.0	11.0	
32 1,3-Dichlorobenzene	146	5.689	5.689	0.000	96	179657	10.0	10.0	
33 1,4-Dichlorobenzene	146	5.758	5.758	0.000	91	173664	10.0	10.0	
34 Benzyl alcohol	108	5.881	5.881	0.000	88	87705	10.0	10.0	
35 1,2-Dichlorobenzene	146	5.903	5.903	0.000	95	174520	10.0	10.2	
37 Indene	116	5.988	5.988	0.000	89	271688	10.0	9.82	
36 2-Methylphenol	108	6.004	6.004	0.000	96	129415	10.0	10.5	
38 2,2'-oxybis[1-chloropropane]	45	6.020	6.020	0.000	88	179196	10.0	11.5	
39 N-Nitrosopyrrolidine	100	6.095	6.095	0.000	84	65995	10.0	9.87	
40 Acetophenone	105	6.127	6.127	0.000	92	189475	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.138	6.138	0.000	87	109350	10.0	10.2	
42 4-Methylphenol	108	6.143	6.143	0.000	93	136932	10.0	10.4	
45 Hexachloroethane	117	6.228	6.228	0.000	91	79223	10.0	10.1	
46 Nitrobenzene	77	6.282	6.282	0.000	88	172683	10.0	10.1	
48 Isophorone	82	6.506	6.506	0.000	98	279387	10.0	9.85	
49 2-Nitrophenol	139	6.586	6.586	0.000	96	72397	10.0	10.2	
50 2,4-Dimethylphenol	107	6.634	6.634	0.000	98	158371	10.0	10.2	
52 Benzoic acid	122	6.688	6.688	0.000	90	60520	10.0	8.78	M
53 Bis(2-chloroethoxy)methane	93	6.715	6.715	0.000	95	191528	10.0	9.97	
54 2,4-Dichlorophenol	162	6.805	6.805	0.000	95	136457	10.0	9.83	
56 1,2,4-Trichlorobenzene	180	6.885	6.885	0.000	93	171147	10.0	9.41	
58 Naphthalene	128	6.955	6.955	0.000	98	435188	10.0	9.80	
59 4-Chloroaniline	127	7.003	7.003	0.000	94	181040	10.0	9.75	
60 2,6-Dichlorophenol	162	7.014	7.014	0.000	94	130614	10.0	9.93	
62 Hexachlorobutadiene	225	7.083	7.083	0.000	94	122907	10.0	9.90	
64 Caprolactam	113	7.286	7.286	0.000	73	26375	10.0	8.61	
67 4-Chloro-3-methylphenol	107	7.446	7.446	0.000	95	133386	10.0	10.4	
69 2-Methylnaphthalene	142	7.591	7.591	0.000	91	284618	10.0	9.79	
71 1-Methylnaphthalene	142	7.681	7.681	0.000	92	283445	10.0	9.82	
72 Hexachlorocyclopentadiene	237	7.746	7.746	0.000	83	144270	10.0	10.1	
73 1,2,4,5-Tetrachlorobenzene	216	7.746	7.746	0.000	97	194878	10.0	10.3	
74 2,4,6-Trichlorophenol	196	7.847	7.847	0.000	95	104891	10.0	9.90	
75 2,4,5-Trichlorophenol	196	7.874	7.874	0.000	92	118300	10.0	10.7	
76 1,1'-Biphenyl	154	8.013	8.013	0.000	96	353997	10.0	9.79	
77 2-Chloronaphthalene	162	8.029	8.029	0.000	97	284163	10.0	9.88	
79 2-Nitroaniline	65	8.114	8.114	0.000	76	89030	10.0	10.4	
82 Dimethyl phthalate	163	8.280	8.280	0.000	96	338669	10.0	10.1	
83 1,3-Dinitrobenzene	168	8.301	8.301	0.000	77	36937	10.0	9.77	
84 2,6-Dinitrotoluene	165	8.333	8.333	0.000	83	66162	10.0	9.51	
85 Acenaphthylene	152	8.408	8.408	0.000	98	429263	10.0	10.2	
86 3-Nitroaniline	138	8.483	8.483	0.000	88	65181	10.0	10.0	
88 Acenaphthene	153	8.563	8.563	0.000	95	272244	10.0	9.76	
87 2,4-Dinitrophenol	184	8.579	8.579	0.000	80	70711	20.0	17.7	a
89 4-Nitrophenol	109	8.627	8.627	0.000	91	120820	20.0	22.2	
91 2,4-Dinitrotoluene	165	8.696	8.696	0.000	86	91384	10.0	10.4	
93 Dibenzofuran	168	8.723	8.723	0.000	95	399119	10.0	9.93	
95 2,3,5,6-Tetrachlorophenol	232	8.793	8.793	0.000	92	106195	10.0	9.88	
96 2,3,4,6-Tetrachlorophenol	232	8.830	8.830	0.000	71	109451	10.0	10.3	
97 2-Naphthylamine	143	8.857	8.857	0.000	93	242931	10.0	9.73	
98 Diethyl phthalate	149	8.915	8.915	0.000	96	299261	10.0	10.0	
99 Hexadecane	57	8.932	8.932	0.000	92	150375	10.0	9.26	
100 4-Chlorophenyl phenyl ether	204	9.028	9.028	0.000	93	196525	10.0	9.53	
103 Fluorene	166	9.033	9.033	0.000	93	313446	10.0	9.74	
101 4-Nitroaniline	138	9.033	9.033	0.000	70	61709	10.0	10.0	
104 4,6-Dinitro-2-methylphenol	198	9.065	9.065	0.000	82	105385	20.0	19.5	
105 N-Nitrosodiphenylamine	169	9.129	9.129	0.000	66	225123	10.0	10.2	
215 Azobenzene	77	9.167	9.167	0.000	96	370528	10.0	10.5	
90 1,2-Diphenylhydrazine	77	9.167	9.167	0.000	95	370528	10.0	10.5	
110 4-Bromophenyl phenyl ether	248	9.466	9.466	0.000	68	131008	10.0	9.64	
112 Hexachlorobenzene	284	9.535	9.535	0.000	94	142975	10.0	9.54	
113 Atrazine	200	9.599	9.599	0.000	92	106788	10.0	10.6	
116 Pentachlorophenol	266	9.706	9.706	0.000	92	185845	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.760	9.760	0.000	89	162761	10.0	10.1	
121 Phenanthrene	178	9.898	9.898	0.000	96	474893	10.0	9.81	
122 Anthracene	178	9.947	9.947	0.000	96	475124	10.0	10.3	
124 Carbazole	167	10.085	10.085	0.000	97	432763	10.0	10.4	
126 Di-n-butyl phthalate	149	10.379	10.379	0.000	99	500152	10.0	10.6	
131 Fluoranthene	202	11.068	11.068	0.000	96	652743	10.0	10.6	
132 Benzidine	184	11.207	11.207	0.000	99	277215	10.0	9.78	
133 Pyrene	202	11.351	11.351	0.000	98	654544	10.0	10.0	
138 Butyl benzyl phthalate	149	12.228	12.228	0.000	94	194387	10.0	9.14	
144 3,3'-Dichlorobenzidine	252	12.997	12.997	0.000	73	203109	10.0	8.87	
146 Benzo[a]anthracene	228	13.034	13.034	0.000	96	633507	10.0	10.2	
145 Bis(2-ethylhexyl) phthalate	149	13.072	13.072	0.000	95	246834	10.0	9.16	
147 Chrysene	228	13.088	13.088	0.000	95	616394	10.0	9.85	
150 Di-n-octyl phthalate	149	13.974	13.974	0.000	99	596010	10.0	12.9	
151 7,12-Dimethylbenz(a)anthracene	256	14.482	14.482	0.000	90	265276	10.0	9.53	
152 Benzo[b]fluoranthene	252	14.487	14.487	0.000	95	626276	10.0	10.1	
153 Benzo[k]fluoranthene	252	14.519	14.519	0.000	96	675314	10.0	10.4	
217 Benzo[e]pyrene	252	14.824	14.824	0.000	94	583118	10.0	10.1	
154 Benzo[a]pyrene	252	14.888	14.888	0.000	74	548521	10.0	10.6	
157 Indeno[1,2,3-cd]pyrene	276	16.421	16.421	0.000	97	551657	10.0	10.1	M
158 Dibenz(a,h)anthracene	278	16.437	16.437	0.000	86	461362	10.0	9.85	
159 Benzo[g,h,i]perylene	276	16.838	16.838	0.000	97	487277	10.0	9.70	
S 199 Total Cresols	108				0		20.0	21.0	
S 197 Methyl Phenols,Total	108				0		20.0	21.0	

QC Flag Legend

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

Reagents:

SVTAPSTD10i_00476 Amount Added: 1.00 Units: mL

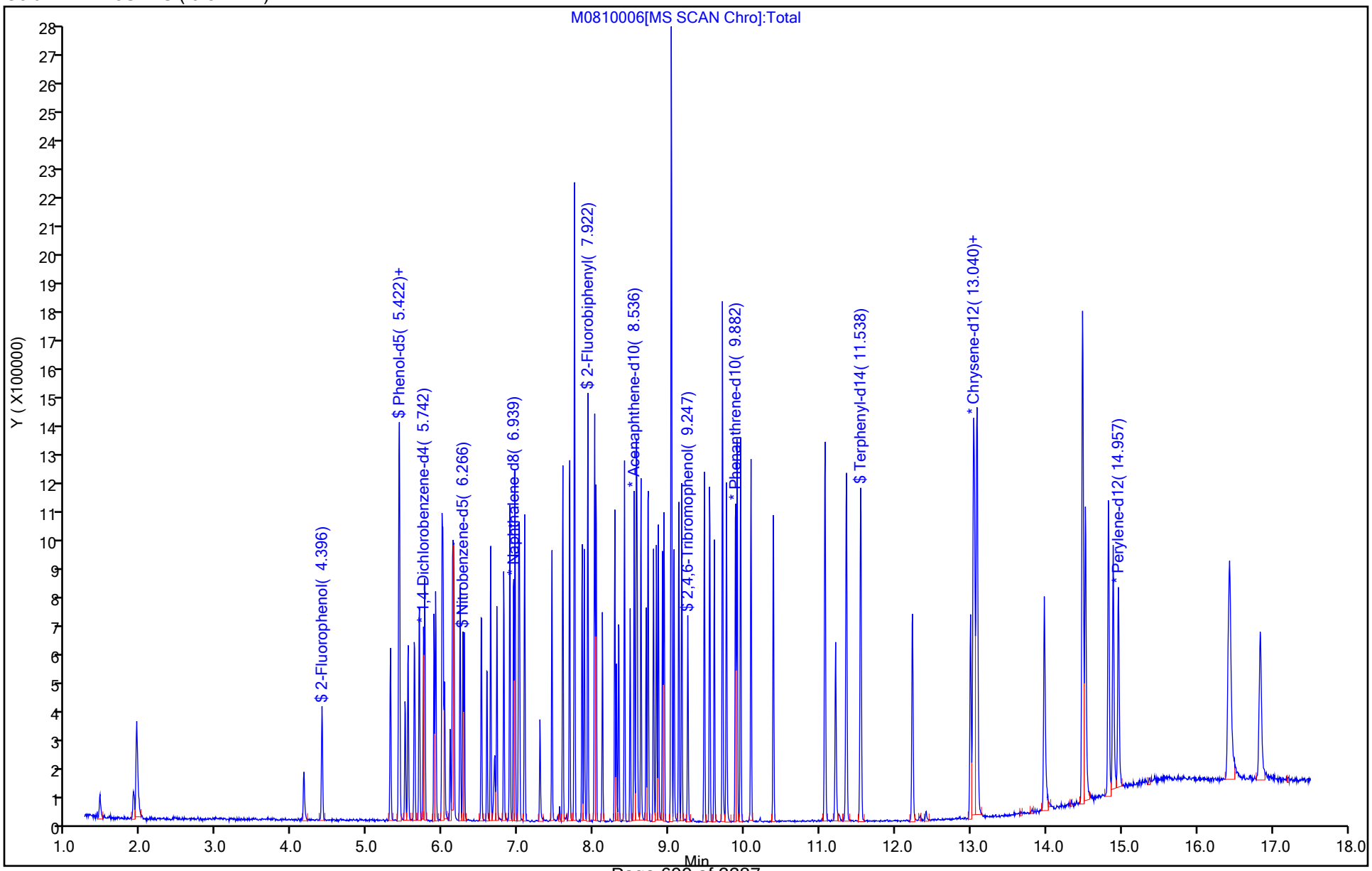
Report Date: 11-Aug-2022 07:04:18 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810006.D

Injection Date:	10-Aug-2022 07:40:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	ICIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

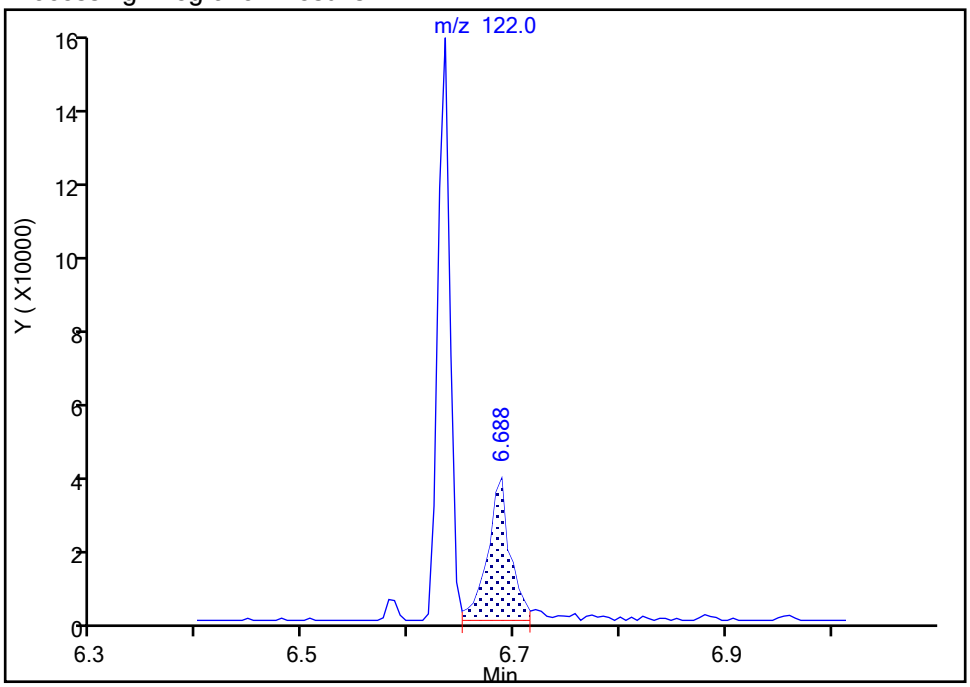
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810006.D
Injection Date: 10-Aug-2022 07:40:30 Instrument ID: CHMSD7
Lims ID: ICIS
Client ID:
Operator ID: 003200 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

52 Benzoic acid, CAS: 65-85-0

Signal: 1

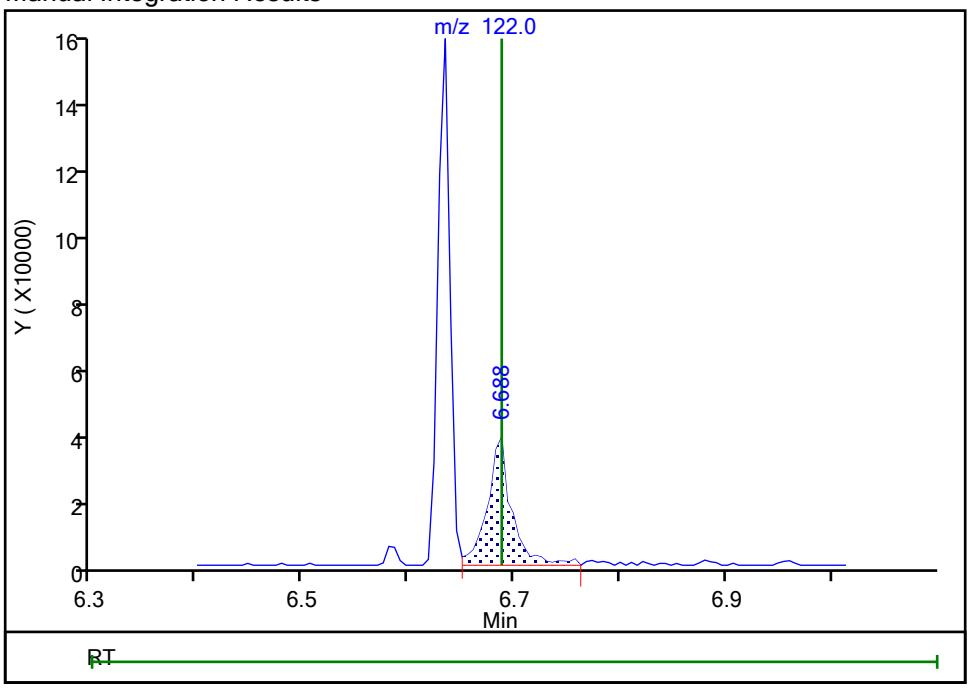
Processing Integration Results

RT: 6.69
Area: 56524
Amount: 8.375750
Amount Units: ng



Manual Integration Results

RT: 6.69
Area: 60520
Amount: 8.778557
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:31:46
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

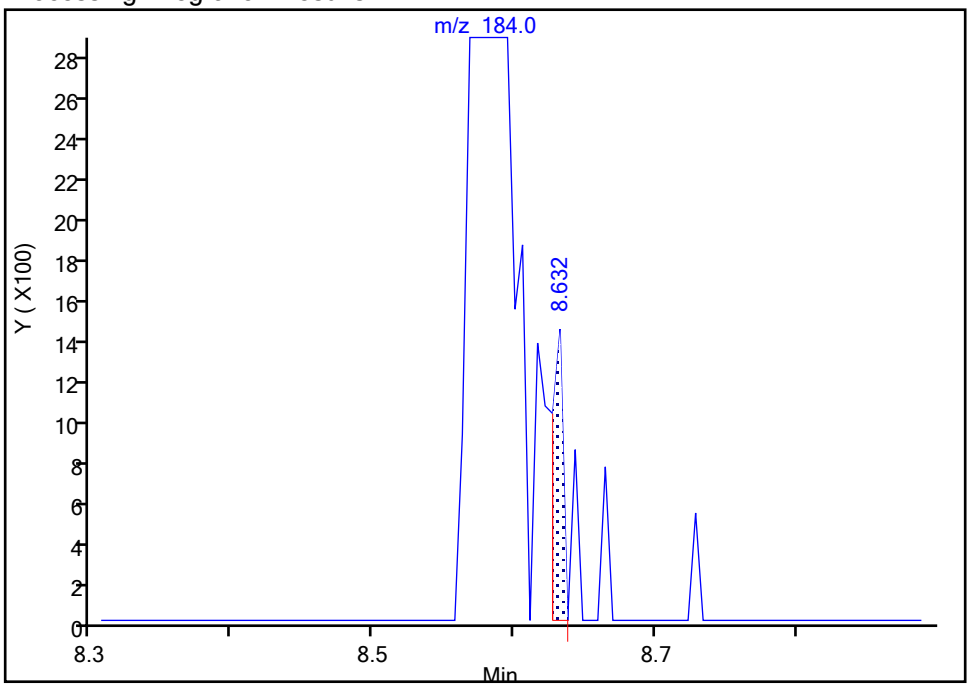
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810006.D
Injection Date: 10-Aug-2022 07:40:30 Instrument ID: CHMSD7
Lims ID: ICIS
Client ID:
Operator ID: 003200 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

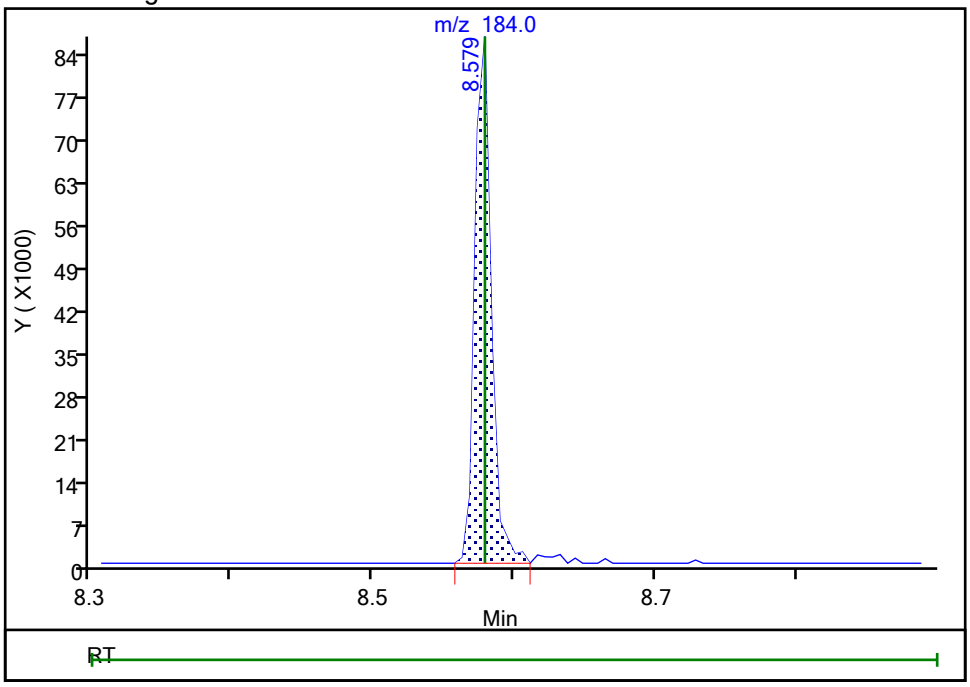
Processing Integration Results

RT: 8.63
Area: 789
Amount: 1.659226
Amount Units: ng



Manual Integration Results

RT: 8.58
Area: 70711
Amount: 17.745549
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:31:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

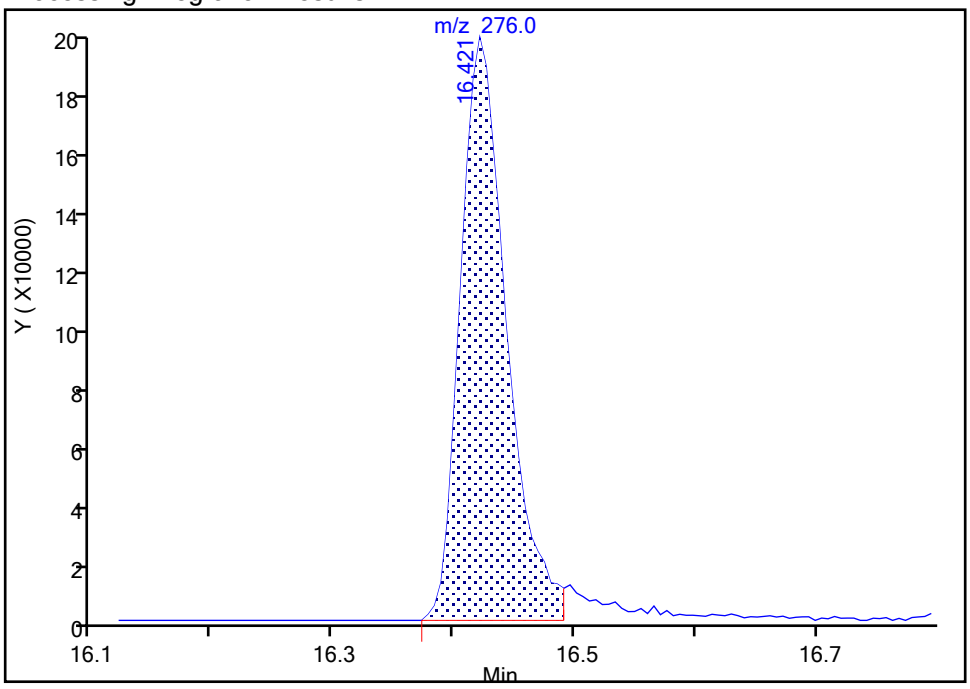
Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810006.D				
Injection Date:	10-Aug-2022 07:40:30	Instrument ID:	CHMSD7		
Lims ID:	ICIS				
Client ID:					
Operator ID:	003200	ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		
Column:	Rxi-5SilMS (0.32 mm)	Detector	MS SCAN		

157 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

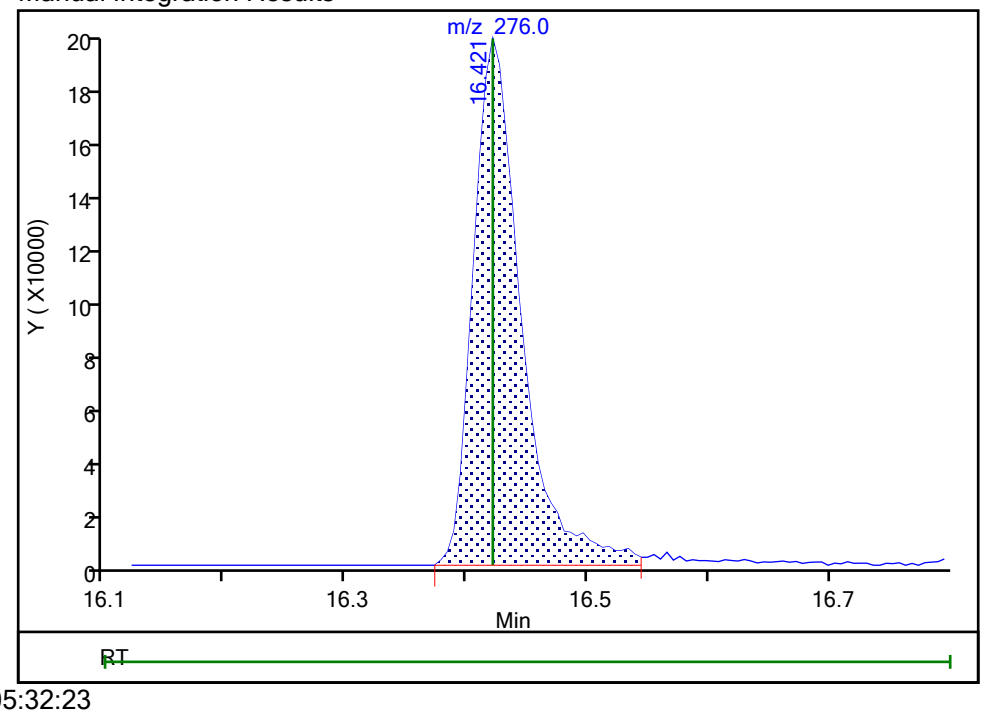
Processing Integration Results

RT: 16.42
Area: 529950
Amount: 10.195233
Amount Units: ng



Manual Integration Results

RT: 16.42
Area: 551657
Amount: 10.088710
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:32:23

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Report Date: 11-Aug-2022 07:04:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Aug-2022 08:02:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-007
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:21 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:39:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.747	5.747	0.000	94	121666	8.00	8.00	
* 2 Naphthalene-d8	136	6.944	6.944	0.000	100	404464	8.00	8.00	
* 3 Acenaphthene-d10	164	8.541	8.541	0.000	93	245726	8.00	8.00	
* 4 Phenanthrene-d10	188	9.887	9.887	0.000	94	499118	8.00	8.00	
* 5 Chrysene-d12	240	13.060	13.060	0.000	95	525059	8.00	8.00	
* 6 Perylene-d12	264	14.968	14.968	0.000	98	502129	8.00	8.00	
$ 7 2-Fluorophenol	112	4.406	4.406	0.000	91	312792	20.0	20.1	
$ 8 Phenol-d5	99	5.421	5.421	0.000	0	447063	20.0	19.7	
$ 9 Nitrobenzene-d5	82	6.271	6.271	0.000	90	412794	20.0	19.8	
$ 10 2-Fluorobiphenyl	172	7.927	7.927	0.000	100	874049	20.0	18.5	
$ 11 2,4,6-Tribromophenol	330	9.257	9.257	0.000	95	177931	20.0	21.5	
$ 12 Terphenyl-d14	244	11.549	11.549	0.000	95	1413092	20.0	19.7	
13 1,4-Dioxane	88	1.457	1.457	0.000	84	104006	20.0	19.6	
14 N-Nitrosodimethylamine	74	1.906	1.906	0.000	91	144668	20.0	20.2	
15 Pyridine	79	1.943	1.943	0.000	95	511721	40.0	38.5	
21 Methyl methanesulfonate	80	4.160	4.160	0.000	87	167920	20.0	19.3	
25 Benzaldehyde	77	5.309	5.309	0.000	92	307172	20.0	20.4	
27 Aniline	93	5.426	5.426	0.000	89	548963	20.0	19.0	
26 Phenol	94	5.432	5.432	0.000	97	466178	20.0	18.9	
29 Bis(2-chloroethyl)ether	93	5.507	5.507	0.000	91	291120	20.0	18.8	
30 2-Chlorophenol	128	5.544	5.544	0.000	97	345049	20.0	19.7	
31 n-Decane	43	5.629	5.629	0.000	90	315043	20.0	19.3	
32 1,3-Dichlorobenzene	146	5.694	5.694	0.000	97	422273	20.0	19.0	
33 1,4-Dichlorobenzene	146	5.763	5.763	0.000	93	411531	20.0	19.2	
34 Benzyl alcohol	108	5.886	5.886	0.000	88	219138	20.0	20.2	
35 1,2-Dichlorobenzene	146	5.913	5.913	0.000	96	395686	20.0	18.6	
37 Indene	116	5.993	5.993	0.000	89	635931	20.0	18.5	
36 2-Methylphenol	108	6.009	6.009	0.000	96	301410	20.0	19.7	
38 2,2'-oxybis[1-chloropropane]	45	6.025	6.025	0.000	89	390498	20.0	20.5	
39 N-Nitrosopyrrolidine	100	6.105	6.105	0.000	87	171703	20.0	20.7	
40 Acetophenone	105	6.132	6.132	0.000	91	443921	20.0	18.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.142	6.142	0.000	88	243346	20.0	18.3	
42 4-Methylphenol	108	6.153	6.153	0.000	94	310915	20.0	19.1	
45 Hexachloroethane	117	6.233	6.233	0.000	90	181106	20.0	18.5	
46 Nitrobenzene	77	6.287	6.287	0.000	88	390401	20.0	19.0	
48 Isophorone	82	6.516	6.516	0.000	98	711236	20.0	20.9	
49 2-Nitrophenol	139	6.591	6.591	0.000	95	183894	20.0	21.5	
50 2,4-Dimethylphenol	107	6.639	6.639	0.000	96	360802	20.0	19.3	
52 Benzoic acid	122	6.703	6.703	0.000	90	153403	20.0	18.5	
53 Bis(2-chloroethoxy)methane	93	6.719	6.719	0.000	95	459590	20.0	19.9	
54 2,4-Dichlorophenol	162	6.815	6.815	0.000	94	333547	20.0	20.0	
56 1,2,4-Trichlorobenzene	180	6.896	6.896	0.000	93	414445	20.0	19.0	
58 Naphthalene	128	6.960	6.960	0.000	98	1011285	20.0	19.0	
59 4-Chloroaniline	127	7.008	7.008	0.000	95	436489	20.0	19.6	
60 2,6-Dichlorophenol	162	7.018	7.018	0.000	95	313324	20.0	19.8	
62 Hexachlorobutadiene	225	7.088	7.088	0.000	94	291294	20.0	19.5	
64 Caprolactam	113	7.296	7.296	0.000	77	81883	20.0	19.8	
67 4-Chloro-3-methylphenol	107	7.451	7.451	0.000	95	324854	20.0	21.1	
69 2-Methylnaphthalene	142	7.595	7.595	0.000	92	681448	20.0	19.5	
71 1-Methylnaphthalene	142	7.686	7.686	0.000	92	674303	20.0	19.4	
73 1,2,4,5-Tetrachlorobenzene	216	7.750	7.750	0.000	96	447632	20.0	18.4	
72 Hexachlorocyclopentadiene	237	7.750	7.750	0.000	95	362847	20.0	19.8	
74 2,4,6-Trichlorophenol	196	7.852	7.852	0.000	93	282377	20.0	20.7	
75 2,4,5-Trichlorophenol	196	7.884	7.884	0.000	93	286334	20.0	20.2	
76 1,1'-Biphenyl	154	8.017	8.017	0.000	96	860966	20.0	18.5	
77 2-Chloronaphthalene	162	8.039	8.039	0.000	96	684494	20.0	18.5	
79 2-Nitroaniline	65	8.119	8.119	0.000	77	229194	20.0	20.7	
82 Dimethyl phthalate	163	8.285	8.285	0.000	97	839257	20.0	19.4	
83 1,3-Dinitrobenzene	168	8.306	8.306	0.000	79	104533	20.0	21.5	
84 2,6-Dinitrotoluene	165	8.338	8.338	0.000	85	165199	20.0	18.5	
85 Acenaphthylene	152	8.413	8.413	0.000	98	1031265	20.0	19.1	
86 3-Nitroaniline	138	8.493	8.493	0.000	89	175516	20.0	21.0	
88 Acenaphthene	153	8.573	8.573	0.000	95	664639	20.0	18.5	
87 2,4-Dinitrophenol	184	8.584	8.584	0.000	77	214972	40.0	42.0	a
89 4-Nitrophenol	109	8.637	8.637	0.000	92	301892	40.0	43.3	
91 2,4-Dinitrotoluene	165	8.701	8.701	0.000	87	227613	20.0	20.2	
93 Dibenzofuran	168	8.728	8.728	0.000	96	961091	20.0	18.6	
95 2,3,5,6-Tetrachlorophenol	232	8.797	8.797	0.000	92	275404	20.0	19.9	
96 2,3,4,6-Tetrachlorophenol	232	8.840	8.840	0.000	71	278506	20.0	20.4	
97 2-Naphthylamine	143	8.867	8.867	0.000	95	645342	20.0	20.1	
98 Diethyl phthalate	149	8.920	8.920	0.000	96	739970	20.0	19.3	
99 Hexadecane	57	8.936	8.936	0.000	94	366711	20.0	18.8	
100 4-Chlorophenyl phenyl ether	204	9.032	9.032	0.000	93	472755	20.0	17.8	
103 Fluorene	166	9.038	9.038	0.000	95	777560	20.0	18.8	
101 4-Nitroaniline	138	9.038	9.038	0.000	71	163216	20.0	20.7	
104 4,6-Dinitro-2-methylphenol	198	9.075	9.075	0.000	82	290003	40.0	41.7	
105 N-Nitrosodiphenylamine	169	9.134	9.134	0.000	65	558124	20.0	19.7	
215 Azobenzene	77	9.177	9.177	0.000	98	880784	20.0	19.3	
90 1,2-Diphenylhydrazine	77	9.177	9.177	0.000	97	880784	20.0	19.3	
110 4-Bromophenyl phenyl ether	248	9.476	9.476	0.000	66	343286	20.0	19.6	
112 Hexachlorobenzene	284	9.545	9.545	0.000	95	355946	20.0	18.4	
113 Atrazine	200	9.604	9.604	0.000	92	277522	20.0	21.4	
116 Pentachlorophenol	266	9.716	9.716	0.000	92	452039	40.0	39.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.764	9.764	0.000	89	388792	20.0	19.5	
121 Phenanthrene	178	9.909	9.909	0.000	98	1146131	20.0	18.4	
122 Anthracene	178	9.957	9.957	0.000	96	1180812	20.0	19.8	
124 Carbazole	167	10.090	10.090	0.000	96	1090019	20.0	20.4	
126 Di-n-butyl phthalate	149	10.389	10.389	0.000	99	1303417	20.0	21.4	
131 Fluoranthene	202	11.078	11.078	0.000	96	1631126	20.0	20.5	
132 Benzidine	184	11.217	11.217	0.000	99	823873	20.0	21.8	
133 Pyrene	202	11.362	11.362	0.000	98	1631146	20.0	19.7	
138 Butyl benzyl phthalate	149	12.232	12.232	0.000	96	581655	20.0	20.2	
144 3,3'-Dichlorobenzidine	252	13.007	13.007	0.000	73	621368	20.0	19.6	
146 Benzo[a]anthracene	228	13.044	13.044	0.000	95	1558034	20.0	19.9	
145 Bis(2-ethylhexyl) phthalate	149	13.082	13.082	0.000	96	710280	20.0	19.7	
147 Chrysene	228	13.098	13.098	0.000	95	1486395	20.0	18.8	
150 Di-n-octyl phthalate	149	13.985	13.985	0.000	99	1196916	20.0	18.9	
151 7,12-Dimethylbenz(a)anthracene	256	14.492	14.492	0.000	90	760893	20.0	19.9	
152 Benzo[b]fluoranthene	252	14.497	14.497	0.000	94	1695195	20.0	19.8	
153 Benzo[k]fluoranthene	252	14.535	14.535	0.000	96	1626144	20.0	18.3	
217 Benzo[e]pyrene	252	14.839	14.839	0.000	94	1525020	20.0	19.3	
154 Benzo[a]pyrene	252	14.903	14.903	0.000	74	1417378	20.0	19.9	
157 Indeno[1,2,3-cd]pyrene	276	16.437	16.437	0.000	96	1531372	20.0	20.4	
158 Dibenz(a,h)anthracene	278	16.453	16.453	0.000	87	1300588	20.0	20.2	
159 Benzo[g,h,i]perylene	276	16.859	16.859	0.000	95	1359364	20.0	19.7	
S 199 Total Cresols	108				0		40.0	38.8	
S 197 Methyl Phenols,Total	108				0		40.0	38.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SVTAPSTD20i_00024 Amount Added: 1.00 Units: mL

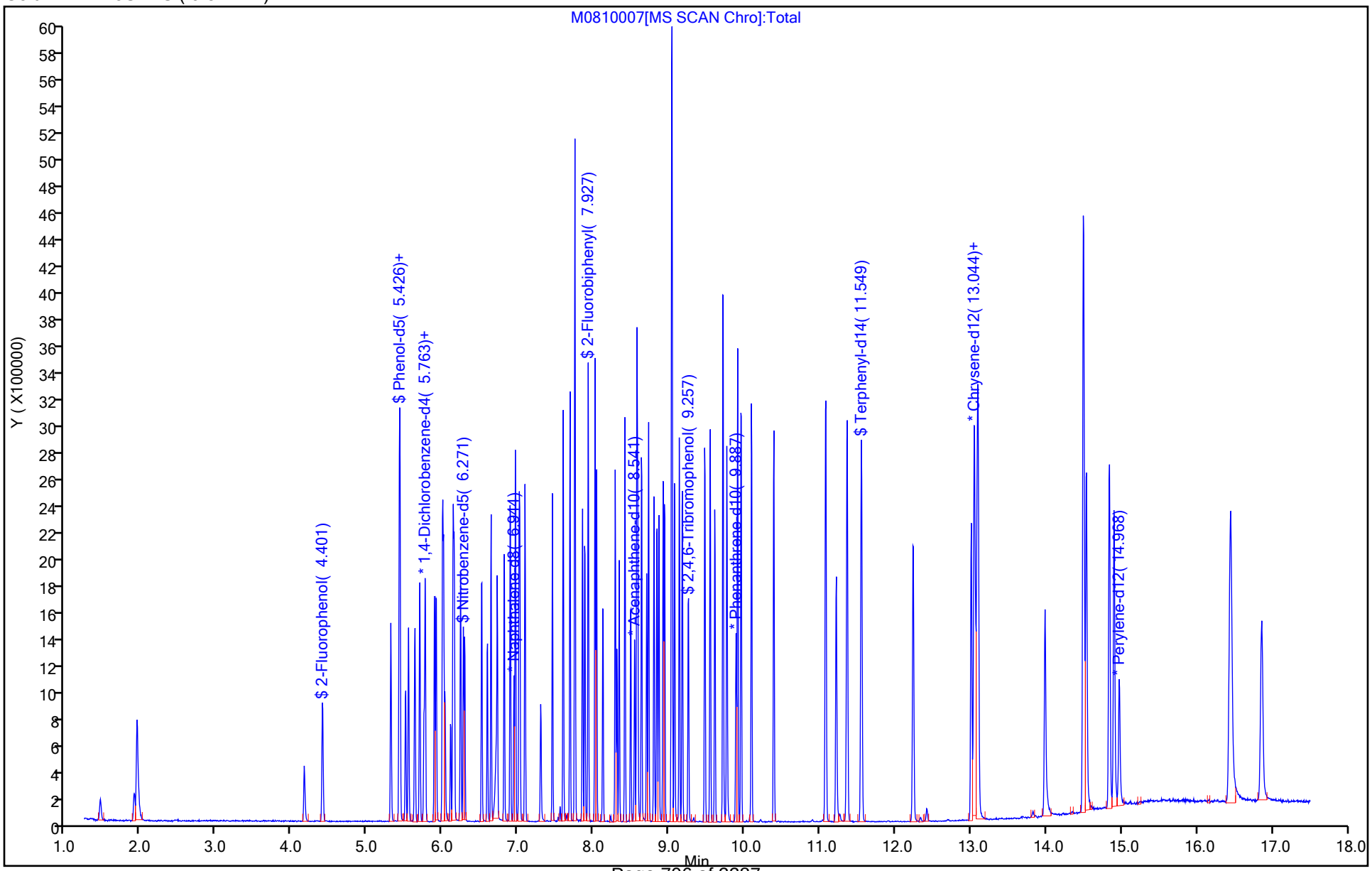
Report Date: 11-Aug-2022 07:04:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810007.D

Injection Date:	10-Aug-2022 08:02:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

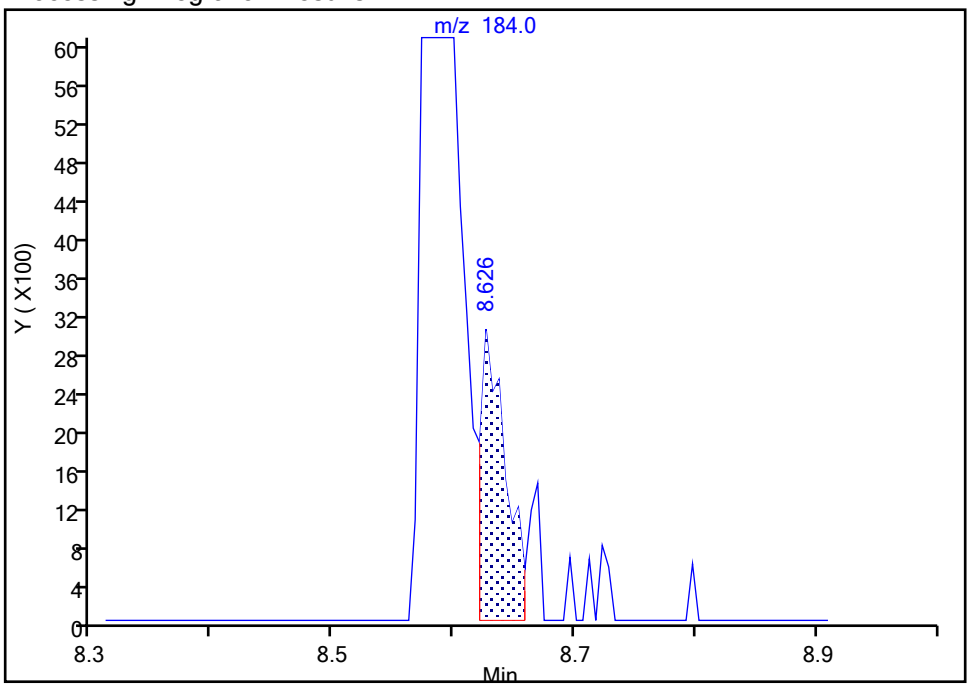
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810007.D
Injection Date: 10-Aug-2022 08:02:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

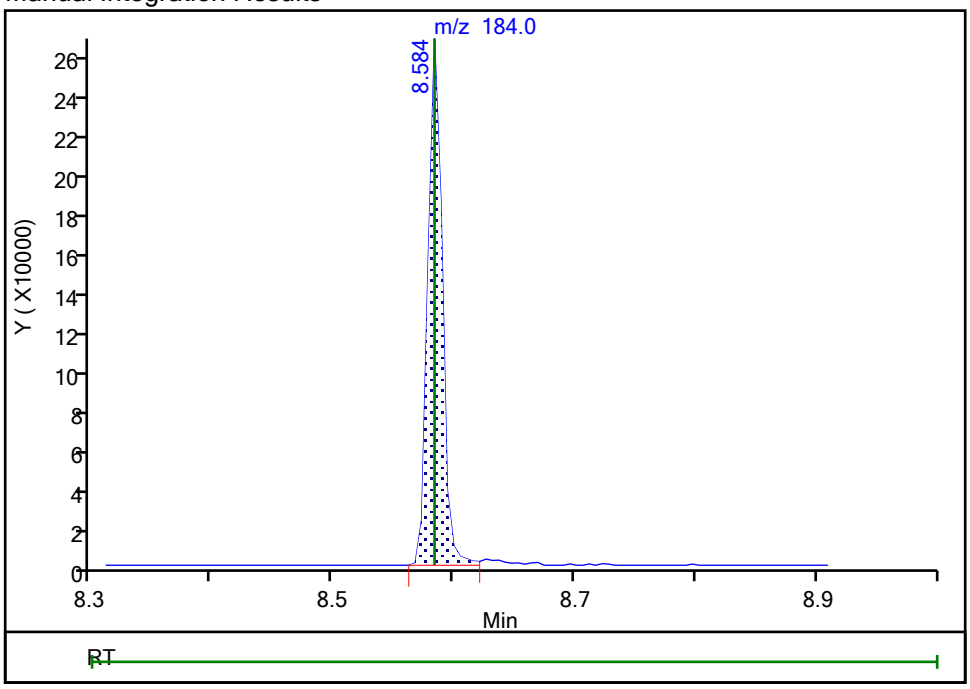
Processing Integration Results

RT: 8.63
Area: 4481
Amount: 2.111464
Amount Units: ng



Manual Integration Results

RT: 8.58
Area: 214972
Amount: 41.982772
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:39:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Report Date: 11-Aug-2022 07:04:26 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 10-Aug-2022 08:24:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-008
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:25 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:41:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.742	5.742	0.000	95	107401	8.00	8.00	
* 2 Naphthalene-d8	136	6.933	6.933	0.000	99	354905	8.00	8.00	
* 3 Acenaphthene-d10	164	8.536	8.536	0.000	95	202168	8.00	8.00	
* 4 Phenanthrene-d10	188	9.876	9.876	0.000	94	429839	8.00	8.00	
* 5 Chrysene-d12	240	13.050	13.050	0.000	98	432898	8.00	8.00	
* 6 Perylene-d12	264	14.957	14.957	0.000	99	421808	8.00	8.00	
$ 7 2-Fluorophenol	112	4.401	4.401	0.000	91	554354	40.0	40.3	
$ 8 Phenol-d5	99	5.416	5.416	0.000	0	765490	40.0	38.2	
$ 9 Nitrobenzene-d5	82	6.265	6.265	0.000	90	711635	40.0	38.9	
$ 10 2-Fluorobiphenyl	172	7.921	7.921	0.000	100	1472493	40.0	37.9	
$ 11 2,4,6-Tribromophenol	330	9.246	9.246	0.000	95	307202	40.0	43.1	
$ 12 Terphenyl-d14	244	11.538	11.538	0.000	95	2336773	40.0	39.5	
13 1,4-Dioxane	88	1.457	1.457	0.000	86	178565	40.0	38.1	
14 N-Nitrosodimethylamine	74	1.906	1.906	0.000	92	252142	40.0	39.8	
15 Pyridine	79	1.943	1.943	0.000	96	886647	80.0	75.6	
21 Methyl methanesulfonate	80	4.155	4.155	0.000	88	287744	40.0	37.5	
25 Benzaldehyde	77	5.304	5.304	0.000	92	492130	40.0	36.9	
27 Aniline	93	5.421	5.421	0.000	95	913287	40.0	35.8	
26 Phenol	94	5.426	5.426	0.000	93	767862	40.0	35.3	
29 Bis(2-chloroethyl)ether	93	5.501	5.501	0.000	91	497696	40.0	36.5	
30 2-Chlorophenol	128	5.539	5.539	0.000	96	594095	40.0	38.5	
31 n-Decane	43	5.624	5.624	0.000	90	557535	40.0	38.6	
32 1,3-Dichlorobenzene	146	5.688	5.688	0.000	97	713623	40.0	36.4	
33 1,4-Dichlorobenzene	146	5.758	5.758	0.000	92	713489	40.0	37.6	
34 Benzyl alcohol	108	5.881	5.881	0.000	88	374437	40.0	39.1	
35 1,2-Dichlorobenzene	146	5.902	5.902	0.000	96	660897	40.0	35.2	
37 Indene	116	5.987	5.987	0.000	88	1094755	40.0	36.1	
36 2-Methylphenol	108	6.003	6.003	0.000	97	508429	40.0	37.7	
38 2,2'-oxybis[1-chloropropane]	45	6.019	6.019	0.000	90	683600	40.0	41.1	
39 N-Nitrosopyrrolidine	100	6.100	6.100	0.000	85	303256	40.0	41.3	
40 Acetophenone	105	6.126	6.126	0.000	94	757510	40.0	36.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.137	6.137	0.000	86	420967	40.0	35.8	
42 4-Methylphenol	108	6.148	6.148	0.000	93	522292	40.0	36.3	
45 Hexachloroethane	117	6.228	6.228	0.000	90	321771	40.0	37.3	
46 Nitrobenzene	77	6.281	6.281	0.000	88	671884	40.0	37.2	
48 Isophorone	82	6.506	6.506	0.000	98	1269069	40.0	42.4	
49 2-Nitrophenol	139	6.580	6.580	0.000	96	325550	40.0	43.3	
50 2,4-Dimethylphenol	107	6.634	6.634	0.000	97	635953	40.0	38.8	
52 Benzoic acid	122	6.714	6.714	0.000	91	322892	40.0	44.4	
53 Bis(2-chloroethoxy)methane	93	6.714	6.714	0.000	96	741932	40.0	36.6	
54 2,4-Dichlorophenol	162	6.805	6.805	0.000	94	582545	40.0	39.8	
56 1,2,4-Trichlorobenzene	180	6.885	6.885	0.000	92	700945	40.0	36.6	
58 Naphthalene	128	6.954	6.954	0.000	98	1706064	40.0	36.4	
59 4-Chloroaniline	127	7.002	7.002	0.000	95	756250	40.0	38.7	
60 2,6-Dichlorophenol	162	7.013	7.013	0.000	95	538497	40.0	38.8	
62 Hexachlorobutadiene	225	7.083	7.083	0.000	94	482486	40.0	36.9	
64 Caprolactam	113	7.302	7.302	0.000	75	145988	40.0	38.8	
67 4-Chloro-3-methylphenol	107	7.446	7.446	0.000	95	573498	40.0	42.4	
69 2-Methylnaphthalene	142	7.590	7.590	0.000	92	1163584	40.0	38.0	
71 1-Methylnaphthalene	142	7.681	7.681	0.000	93	1162588	40.0	38.2	
73 1,2,4,5-Tetrachlorobenzene	216	7.745	7.745	0.000	97	750854	40.0	37.5	
72 Hexachlorocyclopentadiene	237	7.740	7.740	0.000	94	634267	40.0	42.0	
74 2,4,6-Trichlorophenol	196	7.846	7.846	0.000	93	473822	40.0	42.3	
75 2,4,5-Trichlorophenol	196	7.879	7.879	0.000	94	484228	40.0	41.6	
76 1,1'-Biphenyl	154	8.012	8.012	0.000	95	1480738	40.0	38.7	
77 2-Chloronaphthalene	162	8.028	8.028	0.000	97	1150171	40.0	37.8	
79 2-Nitroaniline	65	8.114	8.114	0.000	77	411857	40.0	45.3	
82 Dimethyl phthalate	163	8.279	8.279	0.000	98	1447463	40.0	40.8	
83 1,3-Dinitrobenzene	168	8.301	8.301	0.000	80	183507	40.0	45.9	
84 2,6-Dinitrotoluene	165	8.333	8.333	0.000	87	292399	40.0	39.8	
85 Acenaphthylene	152	8.407	8.407	0.000	98	1815545	40.0	40.9	
86 3-Nitroaniline	138	8.482	8.482	0.000	88	311446	40.0	45.4	
88 Acenaphthene	153	8.562	8.562	0.000	95	1156981	40.0	39.2	
87 2,4-Dinitrophenol	184	8.578	8.578	0.000	80	399774	80.0	94.9	a
89 4-Nitrophenol	109	8.632	8.632	0.000	92	518270	80.0	90.2	
91 2,4-Dinitrotoluene	165	8.696	8.696	0.000	88	414229	40.0	44.7	
93 Dibenzofuran	168	8.723	8.723	0.000	96	1630139	40.0	38.4	
95 2,3,5,6-Tetrachlorophenol	232	8.792	8.792	0.000	92	490206	40.0	43.1	
96 2,3,4,6-Tetrachlorophenol	232	8.829	8.829	0.000	71	469846	40.0	41.8	
97 2-Naphthylamine	143	8.856	8.856	0.000	95	1124083	40.0	42.6	
98 Diethyl phthalate	149	8.915	8.915	0.000	96	1273021	40.0	40.3	
99 Hexadecane	57	8.931	8.931	0.000	96	677055	40.0	39.6	
100 4-Chlorophenyl phenyl ether	204	9.022	9.022	0.000	94	831887	40.0	38.2	
103 Fluorene	166	9.032	9.032	0.000	95	1321881	40.0	38.9	
101 4-Nitroaniline	138	9.038	9.038	0.000	82	290851	40.0	44.8	
104 4,6-Dinitro-2-methylphenol	198	9.064	9.064	0.000	82	522760	80.0	87.4	
105 N-Nitrosodiphenylamine	169	9.129	9.129	0.000	64	955471	40.0	39.1	
215 Azobenzene	77	9.166	9.166	0.000	97	1589407	40.0	40.4	
90 1,2-Diphenylhydrazine	77	9.166	9.166	0.000	96	1588598	40.0	40.4	
110 4-Bromophenyl phenyl ether	248	9.465	9.465	0.000	66	570865	40.0	37.9	
112 Hexachlorobenzene	284	9.535	9.535	0.000	95	602984	40.0	36.3	
113 Atrazine	200	9.599	9.599	0.000	91	470096	40.0	42.1	
116 Pentachlorophenol	266	9.706	9.706	0.000	93	795982	80.0	80.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.759	9.759	0.000	91	718888	40.0	40.9	
121 Phenanthrene	178	9.898	9.898	0.000	96	1986342	40.0	37.0	
122 Anthracene	178	9.946	9.946	0.000	96	2012073	40.0	39.2	
124 Carbazole	167	10.085	10.085	0.000	96	1836716	40.0	39.9	
126 Di-n-butyl phthalate	149	10.379	10.379	0.000	99	2282704	40.0	43.4	
131 Fluoranthene	202	11.062	11.062	0.000	97	2673429	40.0	39.0	
132 Benzidine	184	11.207	11.207	0.000	98	1333950	40.0	42.0	
133 Pyrene	202	11.346	11.346	0.000	98	2688547	40.0	39.5	
138 Butyl benzyl phthalate	149	12.222	12.222	0.000	96	1015428	40.0	41.7	
144 3,3'-Dichlorobenzidine	252	12.991	12.991	0.000	73	1087449	40.0	40.1	
146 Benzo[a]anthracene	228	13.034	13.034	0.000	95	2555585	40.0	39.5	
145 Bis(2-ethylhexyl) phthalate	149	13.071	13.071	0.000	96	1237467	40.0	40.7	
147 Chrysene	228	13.087	13.087	0.000	95	2409982	40.0	36.9	
150 Di-n-octyl phthalate	149	13.974	13.974	0.000	99	2240486	40.0	42.1	
151 7,12-Dimethylbenz(a)anthracene	256	14.481	14.481	0.000	92	1309030	40.0	40.8	
152 Benzo[b]fluoranthene	252	14.487	14.487	0.000	94	2753722	40.0	38.4	
153 Benzo[k]fluoranthene	252	14.524	14.524	0.000	96	2641874	40.0	35.4	
217 Benzo[e]pyrene	252	14.829	14.829	0.000	94	2529719	40.0	38.1	
154 Benzo[a]pyrene	252	14.887	14.887	0.000	73	2359049	40.0	39.5	M
157 Indeno[1,2,3-cd]pyrene	276	16.421	16.421	0.000	95	2568871	40.0	40.8	
158 Dibenz(a,h)anthracene	278	16.437	16.437	0.000	89	2214343	40.0	41.0	
159 Benzo[g,h,i]perylene	276	16.843	16.843	0.000	96	2304847	40.0	39.8	
S 199 Total Cresols	108				0		80.0	74.0	
S 197 Methyl Phenols,Total	108				0		80.0	74.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SVTAPSTD40i_00024 Amount Added: 1.00 Units: mL

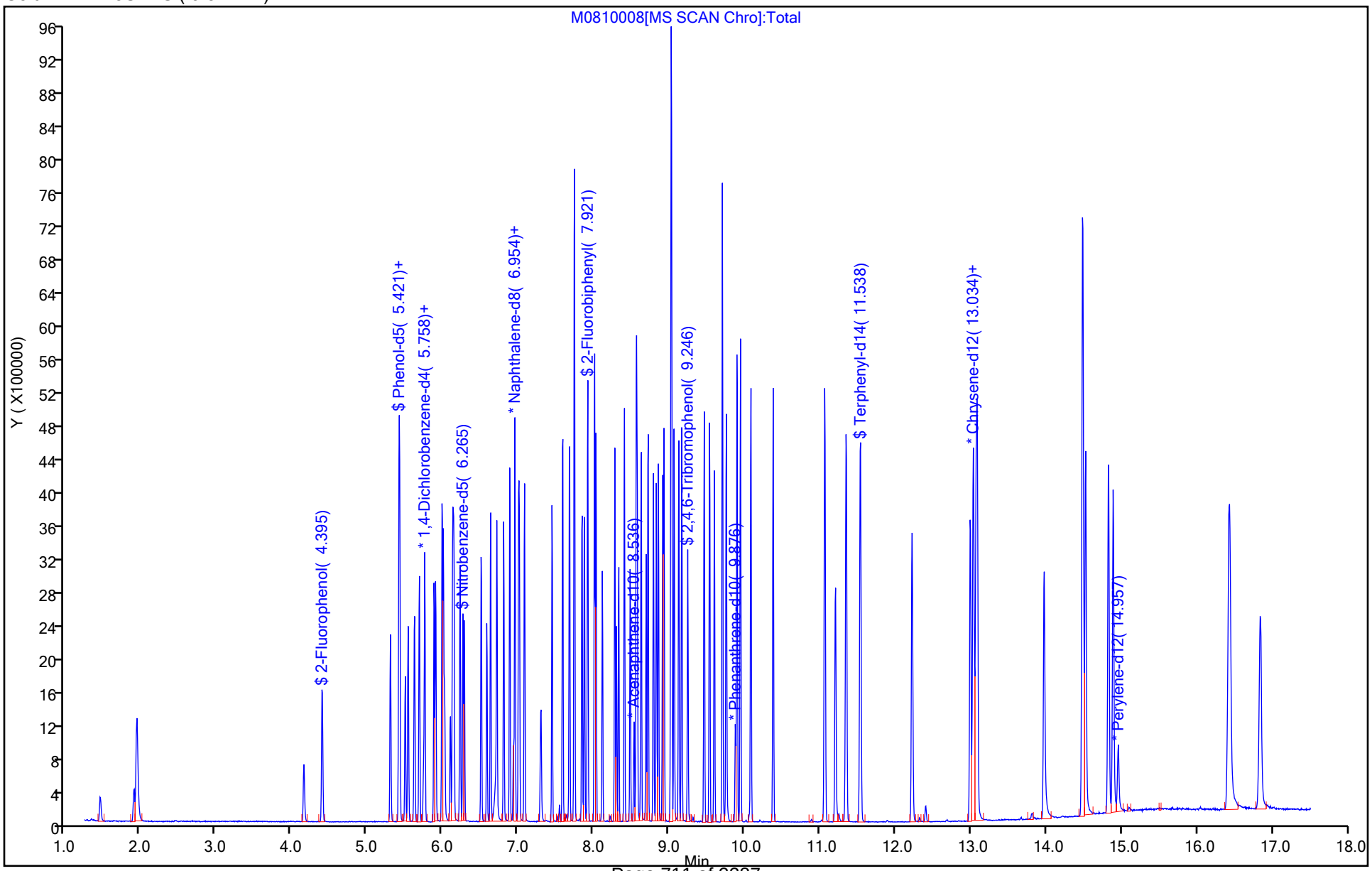
Report Date: 11-Aug-2022 07:04:26 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810008.D

Injection Date:	10-Aug-2022 08:24:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

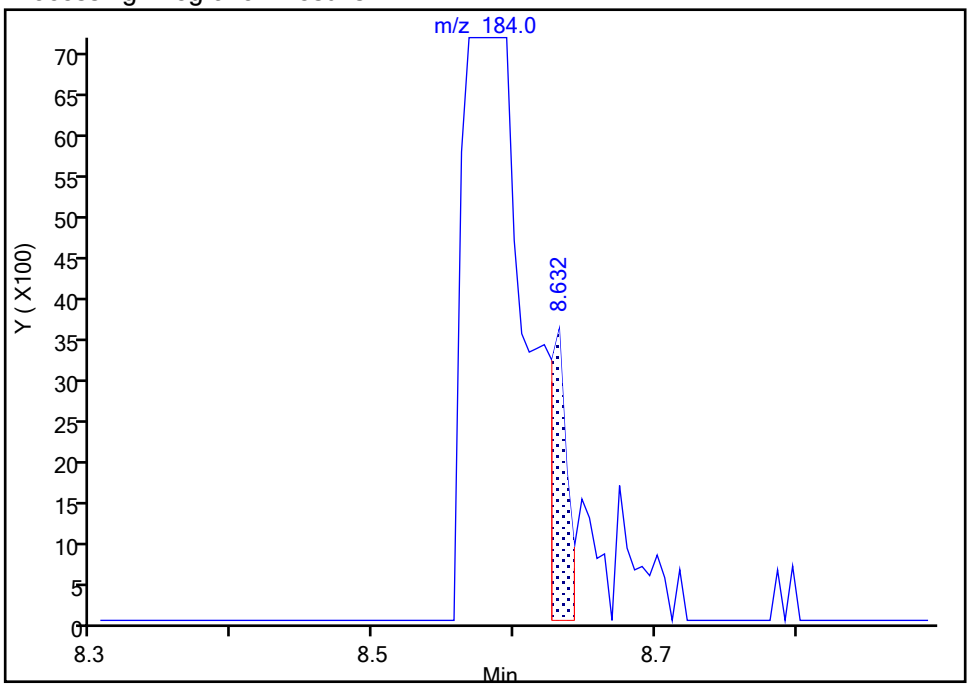
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810008.D
Injection Date: 10-Aug-2022 08:24:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

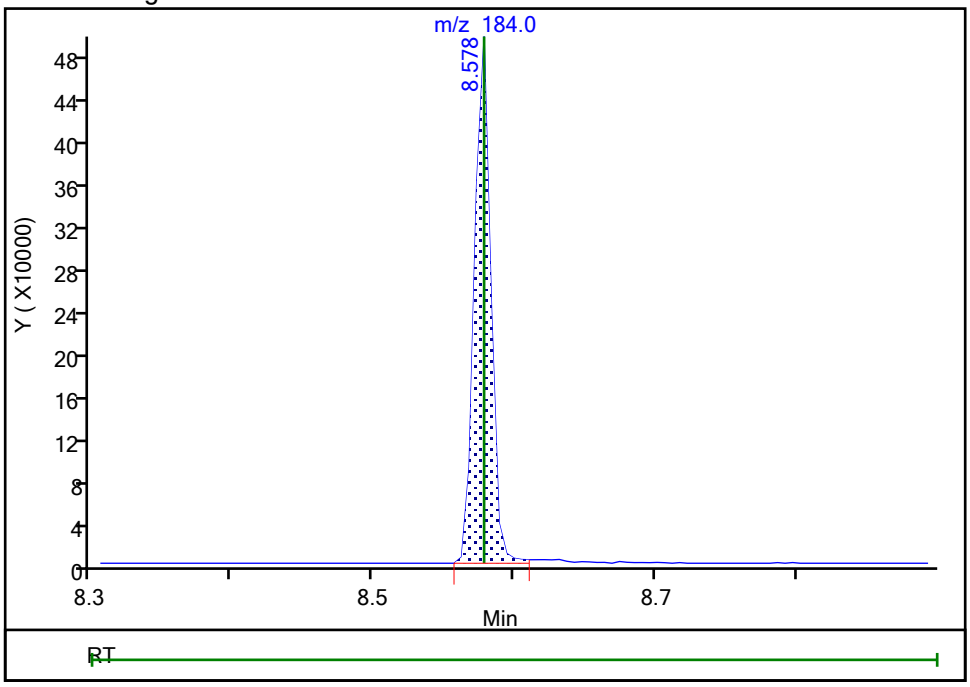
Processing Integration Results

RT: 8.63
Area: 3052
Amount: 1.334372
Amount Units: ng



Manual Integration Results

RT: 8.58
Area: 399774
Amount: 94.894810
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:40:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

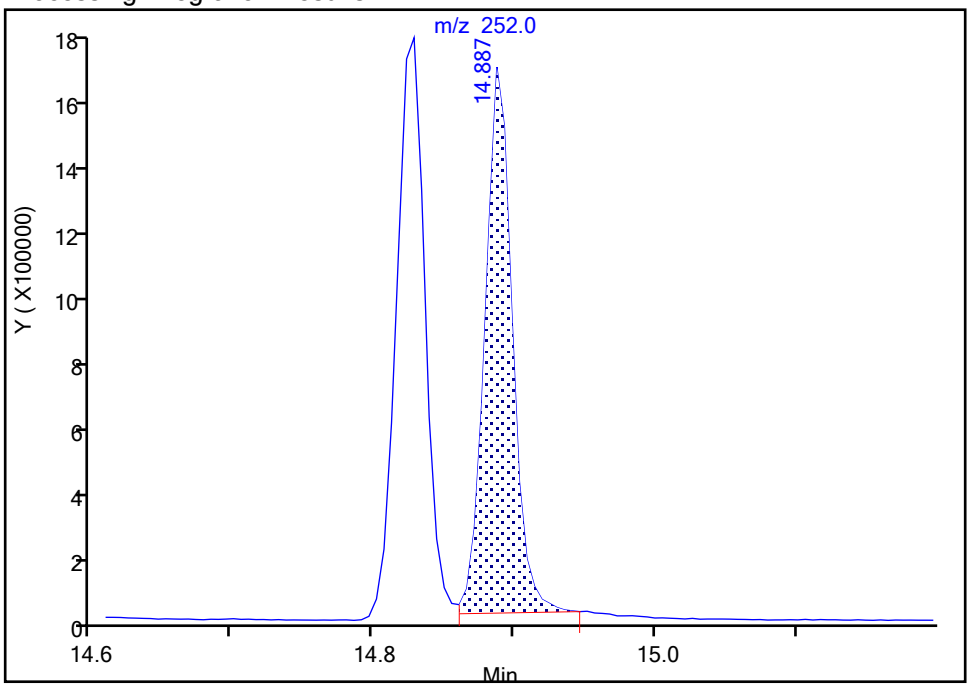
Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810008.D				
Injection Date:	10-Aug-2022 08:24:30	Instrument ID:	CHMSD7		
Lims ID:	IC				
Client ID:					
Operator ID:	003200	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		
Column:	Rxi-5SilMS (0.32 mm)	Detector	MS SCAN		

154 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

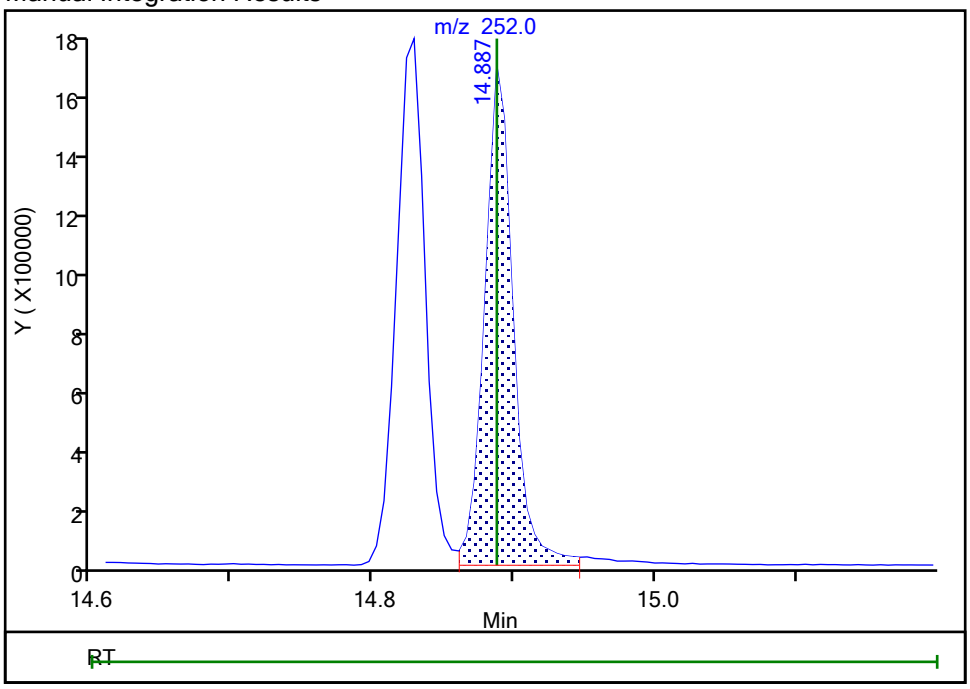
Processing Integration Results

RT: 14.89
Area: 2230693
Amount: 37.571496
Amount Units: ng



Manual Integration Results

RT: 14.89
Area: 2359049
Amount: 39.466758
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:41:09
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Aug-2022 08:46:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-009
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:29 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:42:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.753	5.753	0.000	95	103768	8.00	8.00	
* 2 Naphthalene-d8	136	6.944	6.944	0.000	99	335211	8.00	8.00	
* 3 Acenaphthene-d10	164	8.547	8.547	0.000	94	201578	8.00	8.00	
* 4 Phenanthrene-d10	188	9.887	9.887	0.000	95	415850	8.00	8.00	
* 5 Chrysene-d12	240	13.066	13.066	0.000	97	416862	8.00	8.00	
* 6 Perylene-d12	264	14.973	14.973	0.000	99	412732	8.00	8.00	
$ 7 2-Fluorophenol	112	4.406	4.406	0.000	92	782918	60.0	58.9	
$ 8 Phenol-d5	99	5.421	5.421	0.000	0	1115002	60.0	57.6	
$ 9 Nitrobenzene-d5	82	6.276	6.276	0.000	90	1047286	60.0	60.6	
$ 10 2-Fluorobiphenyl	172	7.927	7.927	0.000	100	2114565	60.0	54.6	
$ 11 2,4,6-Tribromophenol	330	9.257	9.257	0.000	95	449866	60.0	65.2	
$ 12 Terphenyl-d14	244	11.554	11.554	0.000	95	3323920	60.0	58.4	
13 1,4-Dioxane	88	1.458	1.458	0.000	87	272367	60.0	60.2	
14 N-Nitrosodimethylamine	74	1.912	1.912	0.000	90	373838	60.0	61.1	
15 Pyridine	79	1.944	1.944	0.000	95	1299771	120.0	114.6	
21 Methyl methanesulfonate	80	4.161	4.161	0.000	87	417207	60.0	56.3	
25 Benzaldehyde	77	5.309	5.309	0.000	93	640140	60.0	49.7	
27 Aniline	93	5.427	5.427	0.000	90	1282417	60.0	52.1	
26 Phenol	94	5.437	5.437	0.000	95	1098665	60.0	52.3	
29 Bis(2-chloroethyl)ether	93	5.507	5.507	0.000	90	707142	60.0	53.7	
30 2-Chlorophenol	128	5.544	5.544	0.000	96	839208	60.0	56.3	
31 n-Decane	43	5.630	5.630	0.000	89	787872	60.0	56.5	
32 1,3-Dichlorobenzene	146	5.694	5.694	0.000	96	980086	60.0	51.7	
33 1,4-Dichlorobenzene	146	5.769	5.769	0.000	92	993288	60.0	54.2	
34 Benzyl alcohol	108	5.891	5.891	0.000	88	544929	60.0	58.9	
35 1,2-Dichlorobenzene	146	5.913	5.913	0.000	96	923749	60.0	50.9	
37 Indene	116	5.998	5.998	0.000	94	1566556	60.0	53.4	
36 2-Methylphenol	108	6.014	6.014	0.000	96	720363	60.0	55.3	
38 2,2'-oxybis[1-chloropropane]	45	6.030	6.030	0.000	89	952362	60.0	59.5	
39 N-Nitrosopyrrolidine	100	6.111	6.111	0.000	84	439088	60.0	62.0	
40 Acetophenone	105	6.137	6.137	0.000	90	1086738	60.0	54.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.148	6.148	0.000	86	603725	60.0	53.2	
42 4-Methylphenol	108	6.153	6.153	0.000	94	763561	60.0	54.9	
45 Hexachloroethane	117	6.233	6.233	0.000	91	456495	60.0	54.7	
46 Nitrobenzene	77	6.292	6.292	0.000	89	940405	60.0	55.2	
48 Isophorone	82	6.517	6.517	0.000	98	1802433	60.0	63.8	
49 2-Nitrophenol	139	6.591	6.591	0.000	97	483541	60.0	68.1	
50 2,4-Dimethylphenol	107	6.639	6.639	0.000	96	896427	60.0	57.9	
53 Bis(2-chloroethoxy)methane	93	6.725	6.725	0.000	96	1057679	60.0	55.3	
52 Benzoic acid	122	6.741	6.741	0.000	94	514080	60.0	74.9	
54 2,4-Dichlorophenol	162	6.816	6.816	0.000	94	840691	60.0	60.8	
56 1,2,4-Trichlorobenzene	180	6.896	6.896	0.000	92	982184	60.0	54.3	
58 Naphthalene	128	6.965	6.965	0.000	98	2535389	60.0	57.3	
59 4-Chloroaniline	127	7.013	7.013	0.000	95	1095341	60.0	59.3	
60 2,6-Dichlorophenol	162	7.024	7.024	0.000	96	772141	60.0	58.9	
62 Hexachlorobutadiene	225	7.088	7.088	0.000	94	690730	60.0	55.9	
64 Caprolactam	113	7.318	7.318	0.000	76	224055	60.0	62.0	
67 4-Chloro-3-methylphenol	107	7.457	7.457	0.000	94	824622	60.0	64.5	
69 2-Methylnaphthalene	142	7.596	7.596	0.000	92	1686451	60.0	58.3	
71 1-Methylnaphthalene	142	7.686	7.686	0.000	94	1689311	60.0	58.8	
72 Hexachlorocyclopentadiene	237	7.751	7.751	0.000	95	943764	60.0	62.6	
73 1,2,4,5-Tetrachlorobenzene	216	7.756	7.756	0.000	97	1061245	60.0	53.1	
74 2,4,6-Trichlorophenol	196	7.852	7.852	0.000	93	696255	60.0	62.4	
75 2,4,5-Trichlorophenol	196	7.889	7.889	0.000	93	722359	60.0	62.2	
76 1,1'-Biphenyl	154	8.018	8.018	0.000	96	2158418	60.0	56.6	
77 2-Chloronaphthalene	162	8.039	8.039	0.000	96	1665146	60.0	54.9	
79 2-Nitroaniline	65	8.124	8.124	0.000	77	610469	60.0	67.4	
82 Dimethyl phthalate	163	8.290	8.290	0.000	97	2062327	60.0	58.3	
83 1,3-Dinitrobenzene	168	8.311	8.311	0.000	81	270140	60.0	67.8	
84 2,6-Dinitrotoluene	165	8.344	8.344	0.000	88	430504	60.0	58.7	
85 Acenaphthylene	152	8.418	8.418	0.000	98	2646776	60.0	59.7	
86 3-Nitroaniline	138	8.493	8.493	0.000	89	462277	60.0	67.6	
88 Acenaphthene	153	8.573	8.573	0.000	95	1688770	60.0	57.4	
87 2,4-Dinitrophenol	184	8.589	8.589	0.000	82	629607	120.0	149.9	a
89 4-Nitrophenol	109	8.643	8.643	0.000	93	753867	120.0	131.7	
91 2,4-Dinitrotoluene	165	8.707	8.707	0.000	88	599255	60.0	64.9	
93 Dibenzofuran	168	8.733	8.733	0.000	96	2371763	60.0	56.0	
95 2,3,5,6-Tetrachlorophenol	232	8.803	8.803	0.000	92	717191	60.0	63.3	
96 2,3,4,6-Tetrachlorophenol	232	8.840	8.840	0.000	71	660734	60.0	59.0	
97 2-Naphthylamine	143	8.867	8.867	0.000	95	1651100	60.0	62.7	
98 Diethyl phthalate	149	8.926	8.926	0.000	96	1889314	60.0	59.9	
99 Hexadecane	57	8.942	8.942	0.000	96	1028686	60.0	63.7	
100 4-Chlorophenyl phenyl ether	204	9.033	9.033	0.000	92	1212408	60.0	55.8	
103 Fluorene	166	9.038	9.038	0.000	94	1947327	60.0	57.4	
101 4-Nitroaniline	138	9.049	9.049	0.000	80	420104	60.0	64.9	
104 4,6-Dinitro-2-methylphenol	198	9.081	9.081	0.000	84	797032	120.0	137.7	
105 N-Nitrosodiphenylamine	169	9.139	9.139	0.000	63	1431135	60.0	60.5	
215 Azobenzene	77	9.177	9.177	0.000	98	2248528	60.0	59.1	
90 1,2-Diphenylhydrazine	77	9.177	9.177	0.000	97	2249069	60.0	59.1	
110 4-Bromophenyl phenyl ether	248	9.476	9.476	0.000	66	819533	60.0	56.2	
112 Hexachlorobenzene	284	9.545	9.545	0.000	95	861601	60.0	53.6	
113 Atrazine	200	9.610	9.610	0.000	92	679863	60.0	62.9	
116 Pentachlorophenol	266	9.716	9.716	0.000	93	1161279	120.0	121.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.770	9.770	0.000	92	1083051	60.0	63.7	
121 Phenanthrene	178	9.909	9.909	0.000	97	2868134	60.0	55.2	
122 Anthracene	178	9.957	9.957	0.000	97	2921985	60.0	58.9	
124 Carbazole	167	10.096	10.096	0.000	96	2686494	60.0	60.2	
126 Di-n-butyl phthalate	149	10.390	10.390	0.000	99	3262216	60.0	64.2	
131 Fluoranthene	202	11.079	11.079	0.000	97	3802068	60.0	57.3	
132 Benzidine	184	11.218	11.218	0.000	99	1857916	60.0	60.4	
133 Pyrene	202	11.362	11.362	0.000	98	3771889	60.0	57.5	
138 Butyl benzyl phthalate	149	12.238	12.238	0.000	96	1485831	60.0	62.9	
144 3,3'-Dichlorobenzidine	252	13.013	13.013	0.000	73	1608538	60.0	60.9	
146 Benzo[a]anthracene	228	13.050	13.050	0.000	96	3673377	60.0	59.0	
145 Bis(2-ethylhexyl) phthalate	149	13.082	13.082	0.000	96	1882436	60.0	63.9	
147 Chrysene	228	13.103	13.103	0.000	95	3451124	60.0	54.9	
150 Di-n-octyl phthalate	149	13.985	13.985	0.000	99	3409355	60.0	65.5	
151 7,12-Dimethylbenz(a)anthracene	256	14.503	14.503	0.000	92	1939546	60.0	61.8	
152 Benzo[b]fluoranthene	252	14.508	14.508	0.000	94	3878680	60.0	55.2	
153 Benzo[k]fluoranthene	252	14.540	14.540	0.000	96	3943013	60.0	54.0	
217 Benzo[e]pyrene	252	14.845	14.845	0.000	94	3678659	60.0	56.7	
154 Benzo[a]pyrene	252	14.909	14.909	0.000	74	3364580	60.0	57.5	
157 Indeno[1,2,3-cd]pyrene	276	16.448	16.448	0.000	95	3736426	60.0	60.6	
158 Dibenz(a,h)anthracene	278	16.464	16.464	0.000	86	3299508	60.0	62.5	
159 Benzo[g,h,i]perylene	276	16.875	16.875	0.000	96	3407320	60.0	60.1	
S 199 Total Cresols	108				0		120.0	110.3	
S 197 Methyl Phenols,Total	108				0		120.0	110.3	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SVTAPSTD60i_00024 Amount Added: 1.00 Units: mL

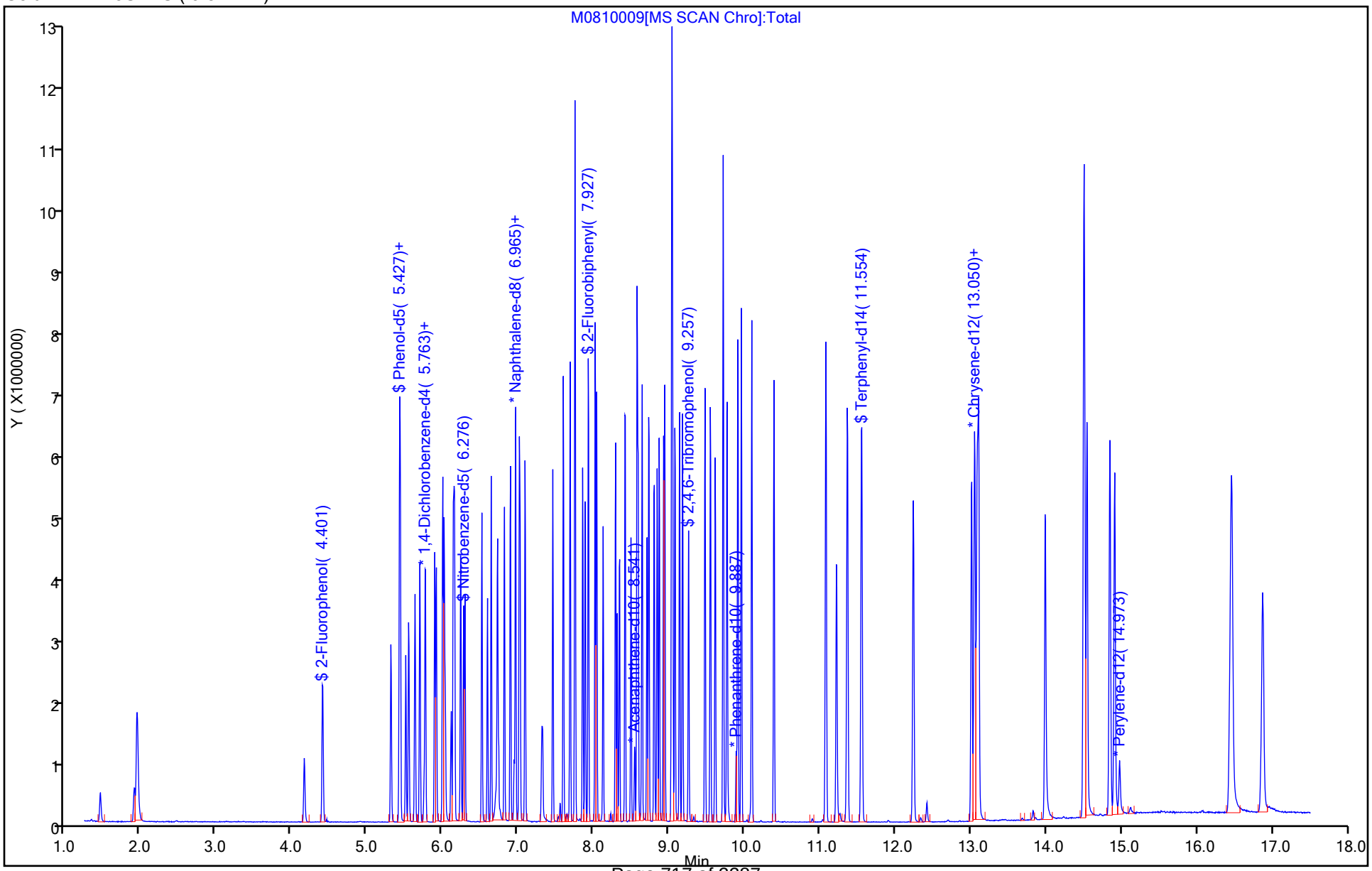
Report Date: 11-Aug-2022 07:04:30 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810009.D

Injection Date:	10-Aug-2022 08:46:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

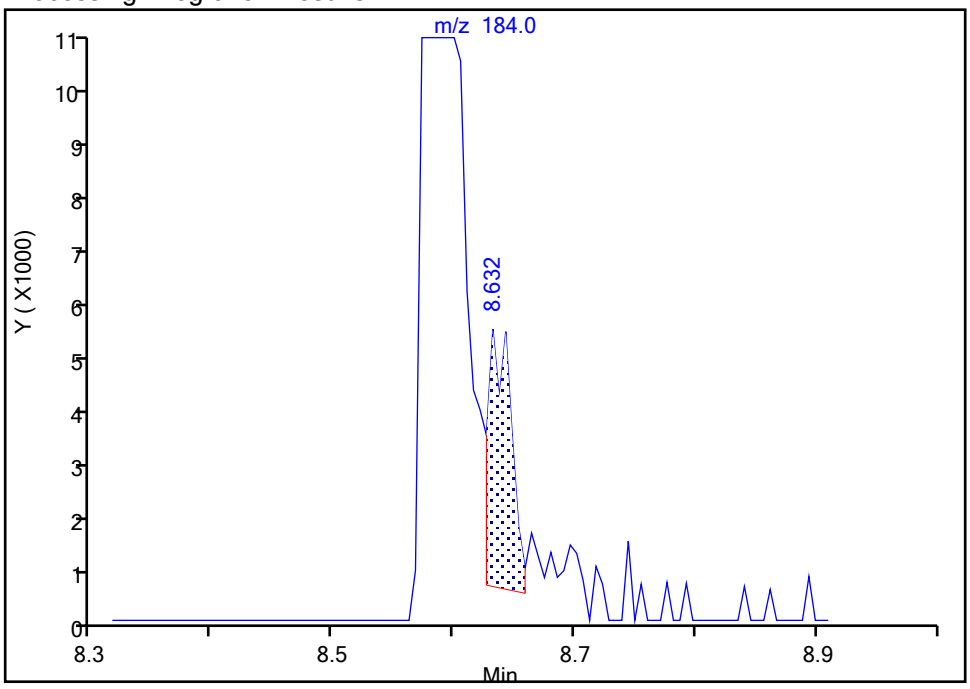
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810009.D
Injection Date: 10-Aug-2022 08:46:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

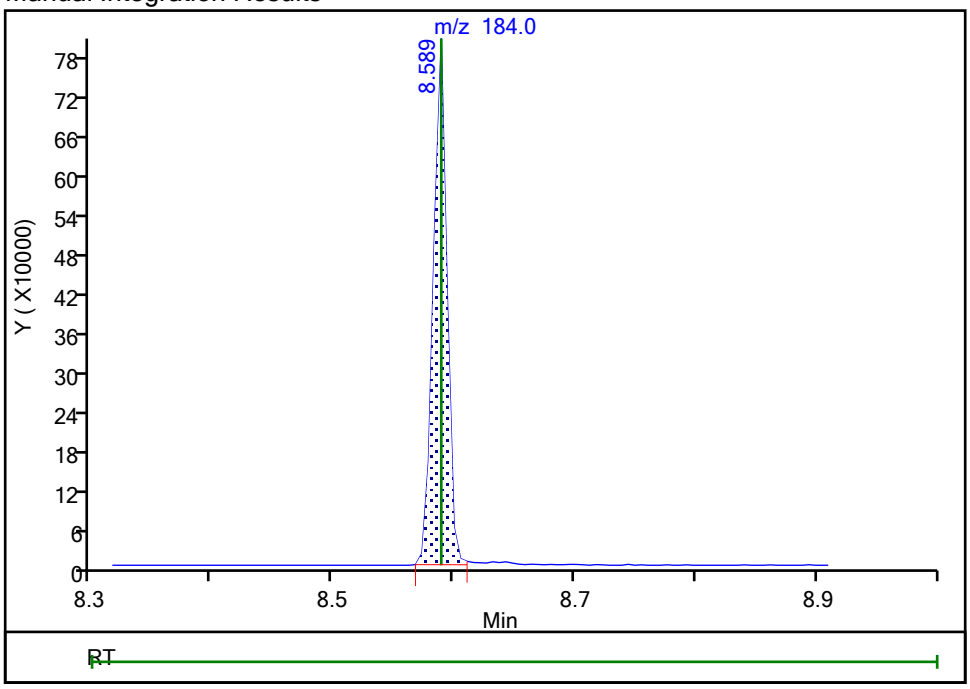
Processing Integration Results

RT: 8.63
Area: 6399
Amount: 2.207609
Amount Units: ng



Manual Integration Results

RT: 8.59
Area: 629607
Amount: 149.8880
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:41:47
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Report Date: 11-Aug-2022 07:04:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Aug-2022 09:08:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044157-010
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 11-Aug-2022 07:04:33 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BCU1 Date: 11-Aug-2022 05:42:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.747	5.747	0.000	95	107523	8.00	8.00	
* 2 Naphthalene-d8	136	6.939	6.939	0.000	99	361617	8.00	8.00	
* 3 Acenaphthene-d10	164	8.541	8.541	0.000	94	209519	8.00	8.00	
* 4 Phenanthrene-d10	188	9.882	9.882	0.000	94	451532	8.00	8.00	
* 5 Chrysene-d12	240	13.055	13.055	0.000	97	440883	8.00	8.00	
* 6 Perylene-d12	264	14.962	14.962	0.000	98	449454	8.00	8.00	
$ 7 2-Fluorophenol	112	4.401	4.401	0.000	91	1082115	80.0	78.5	
$ 8 Phenol-d5	99	5.421	5.421	0.000	0	1493151	80.0	74.4	
$ 9 Nitrobenzene-d5	82	6.271	6.271	0.000	90	1402842	80.0	75.3	
$ 10 2-Fluorobiphenyl	172	7.927	7.927	0.000	100	3027458	80.0	75.2	
$ 11 2,4,6-Tribromophenol	330	9.252	9.252	0.000	95	677912	80.0	90.5	
$ 12 Terphenyl-d14	244	11.543	11.543	0.000	96	4647976	80.0	77.2	
13 1,4-Dioxane	88	1.463	1.463	0.000	87	367017	80.0	78.2	
14 N-Nitrosodimethylamine	74	1.917	1.917	0.000	90	500959	80.0	79.0	
15 Pyridine	79	1.949	1.949	0.000	96	1707159	160.0	145.3	
21 Methyl methanesulfonate	80	4.161	4.161	0.000	88	577914	80.0	75.3	
25 Benzaldehyde	77	5.309	5.309	0.000	92	789743	80.0	59.2	
27 Aniline	93	5.427	5.427	0.000	98	1730815	80.0	67.8	
26 Phenol	94	5.437	5.437	0.000	97	1469165	80.0	67.5	
29 Bis(2-chloroethyl)ether	93	5.507	5.507	0.000	91	952187	80.0	69.7	
30 2-Chlorophenol	128	5.544	5.544	0.000	96	1141596	80.0	73.9	
31 n-Decane	43	5.624	5.624	0.000	89	1027513	80.0	71.1	
32 1,3-Dichlorobenzene	146	5.688	5.688	0.000	97	1369443	80.0	69.7	
33 1,4-Dichlorobenzene	146	5.763	5.763	0.000	92	1348412	80.0	71.1	
34 Benzyl alcohol	108	5.891	5.891	0.000	89	750218	80.0	78.2	
35 1,2-Dichlorobenzene	146	5.907	5.907	0.000	96	1263653	80.0	67.2	
37 Indene	116	5.993	5.993	0.000	89	2175612	80.0	71.6	
36 2-Methylphenol	108	6.014	6.014	0.000	96	1031850	80.0	76.5	
38 2,2'-oxybis[1-chloropropane]	45	6.025	6.025	0.000	90	1276474	80.0	77.1	
39 N-Nitrosopyrrolidine	100	6.110	6.110	0.000	85	620953	80.0	84.6	
40 Acetophenone	105	6.132	6.132	0.000	94	1486410	80.0	71.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.143	6.143	0.000	86	799368	80.0	67.9	
42 4-Methylphenol	108	6.153	6.153	0.000	93	1059801	80.0	73.6	
45 Hexachloroethane	117	6.233	6.233	0.000	90	601016	80.0	69.5	
46 Nitrobenzene	77	6.287	6.287	0.000	88	1282981	80.0	69.8	
48 Isophorone	82	6.511	6.511	0.000	98	2445797	80.0	80.3	
49 2-Nitrophenol	139	6.586	6.586	0.000	97	679403	80.0	88.7	
50 2,4-Dimethylphenol	107	6.634	6.634	0.000	96	1224503	80.0	73.3	
53 Bis(2-chloroethoxy)methane	93	6.719	6.719	0.000	96	1490899	80.0	72.3	
52 Benzoic acid	122	6.746	6.746	0.000	93	710518	80.0	96.0	
54 2,4-Dichlorophenol	162	6.810	6.810	0.000	93	1157847	80.0	77.6	
56 1,2,4-Trichlorobenzene	180	6.890	6.890	0.000	92	1355065	80.0	69.4	
58 Naphthalene	128	6.960	6.960	0.000	98	3485423	80.0	73.1	
59 4-Chloroaniline	127	7.008	7.008	0.000	95	1500752	80.0	75.3	
60 2,6-Dichlorophenol	162	7.019	7.019	0.000	96	1070640	80.0	75.7	
62 Hexachlorobutadiene	225	7.083	7.083	0.000	93	958279	80.0	71.9	
64 Caprolactam	113	7.323	7.323	0.000	76	315873	80.0	80.6	
67 4-Chloro-3-methylphenol	107	7.457	7.457	0.000	95	1135226	80.0	82.3	
69 2-Methylnaphthalene	142	7.590	7.590	0.000	92	2320730	80.0	74.3	
71 1-Methylnaphthalene	142	7.681	7.681	0.000	94	2343704	80.0	75.6	
72 Hexachlorocyclopentadiene	237	7.745	7.745	0.000	93	1339410	80.0	85.5	
73 1,2,4,5-Tetrachlorobenzene	216	7.751	7.751	0.000	96	1465559	80.0	70.6	
74 2,4,6-Trichlorophenol	196	7.852	7.852	0.000	92	1000159	80.0	86.2	
75 2,4,5-Trichlorophenol	196	7.884	7.884	0.000	93	994032	80.0	82.4	
76 1,1'-Biphenyl	154	8.012	8.012	0.000	96	3088728	80.0	77.9	
77 2-Chloronaphthalene	162	8.034	8.034	0.000	95	2316735	80.0	73.5	
79 2-Nitroaniline	65	8.119	8.119	0.000	78	852312	80.0	90.5	
82 Dimethyl phthalate	163	8.285	8.285	0.000	98	2935257	80.0	79.8	
83 1,3-Dinitrobenzene	168	8.306	8.306	0.000	83	381152	80.0	92.0	
84 2,6-Dinitrotoluene	165	8.338	8.338	0.000	90	607354	80.0	79.7	
85 Acenaphthylene	152	8.413	8.413	0.000	98	3708757	80.0	80.5	
86 3-Nitroaniline	138	8.493	8.493	0.000	91	663034	80.0	93.2	
88 Acenaphthene	153	8.568	8.568	0.000	95	2355349	80.0	77.0	
87 2,4-Dinitrophenol	184	8.584	8.584	0.000	84	918166	160.0	210.3	a
89 4-Nitrophenol	109	8.643	8.643	0.000	94	1032927	160.0	173.6	
91 2,4-Dinitrotoluene	165	8.701	8.701	0.000	89	848821	80.0	88.4	
93 Dibenzofuran	168	8.728	8.728	0.000	96	3340071	80.0	75.8	
95 2,3,5,6-Tetrachlorophenol	232	8.798	8.798	0.000	92	1040632	80.0	88.3	
96 2,3,4,6-Tetrachlorophenol	232	8.835	8.835	0.000	71	974419	80.0	83.6	
97 2-Naphthylamine	143	8.867	8.867	0.000	95	2299356	80.0	84.1	
98 Diethyl phthalate	149	8.926	8.926	0.000	97	2648856	80.0	80.9	
99 Hexadecane	57	8.936	8.936	0.000	97	1408218	80.0	80.8	
100 4-Chlorophenyl phenyl ether	204	9.027	9.027	0.000	91	1730742	80.0	76.6	
103 Fluorene	166	9.038	9.038	0.000	96	2763316	80.0	78.4	
101 4-Nitroaniline	138	9.049	9.049	0.000	77	600601	80.0	89.2	
104 4,6-Dinitro-2-methylphenol	198	9.075	9.075	0.000	86	1165178	160.0	185.4	
105 N-Nitrosodiphenylamine	169	9.134	9.134	0.000	64	2025193	80.0	78.8	
215 Azobenzene	77	9.172	9.172	0.000	99	3075605	80.0	74.5	
90 1,2-Diphenylhydrazine	77	9.172	9.172	0.000	98	3075605	80.0	74.5	
110 4-Bromophenyl phenyl ether	248	9.471	9.471	0.000	64	1165457	80.0	73.6	
112 Hexachlorobenzene	284	9.540	9.540	0.000	95	1217587	80.0	69.7	
113 Atrazine	200	9.610	9.610	0.000	93	952904	80.0	81.2	
116 Pentachlorophenol	266	9.711	9.711	0.000	95	1711694	160.0	165.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.765	9.765	0.000	95	1520589	80.0	86.3	
121 Phenanthrene	178	9.909	9.909	0.000	97	4178610	80.0	74.0	
122 Anthracene	178	9.951	9.951	0.000	97	4126778	80.0	76.6	
124 Carbazole	167	10.090	10.090	0.000	96	3871362	80.0	80.0	
126 Di-n-butyl phthalate	149	10.384	10.384	0.000	99	4728784	80.0	85.7	
131 Fluoranthene	202	11.073	11.073	0.000	97	5309991	80.0	73.7	
132 Benzidine	184	11.212	11.212	0.000	98	2492376	80.0	76.4	
133 Pyrene	202	11.356	11.356	0.000	97	5276925	80.0	76.1	
138 Butyl benzyl phthalate	149	12.227	12.227	0.000	96	2093993	80.0	83.4	
144 3,3'-Dichlorobenzidine	252	13.002	13.002	0.000	73	2258353	80.0	80.4	
146 Benzo[a]anthracene	228	13.045	13.045	0.000	96	5077448	80.0	77.1	
145 Bis(2-ethylhexyl) phthalate	149	13.077	13.077	0.000	97	2664135	80.0	85.1	
147 Chrysene	228	13.098	13.098	0.000	95	4851763	80.0	73.0	
150 Di-n-octyl phthalate	149	13.979	13.979	0.000	99	4806851	80.0	84.8	
151 7,12-Dimethylbenz(a)anthracene	256	14.492	14.492	0.000	91	2829032	80.0	82.8	
152 Benzo[b]fluoranthene	252	14.498	14.498	0.000	95	5826966	80.0	76.2	
153 Benzo[k]fluoranthene	252	14.535	14.535	0.000	96	5361688	80.0	67.4	
217 Benzo[e]pyrene	252	14.834	14.834	0.000	94	5102342	80.0	72.2	
154 Benzo[a]pyrene	252	14.898	14.898	0.000	74	4702977	80.0	73.8	
157 Indeno[1,2,3-cd]pyrene	276	16.431	16.431	0.000	95	5453503	80.0	81.2	
158 Dibenz(a,h)anthracene	278	16.453	16.453	0.000	87	4782421	80.0	83.1	
159 Benzo[g,h,i]perylene	276	16.864	16.864	0.000	96	4870247	80.0	78.9	
S 199 Total Cresols	108				0		160.0	150.1	
S 197 Methyl Phenols,Total	108				0		160.0	150.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SVTAPSTD80i_00024 Amount Added: 1.00 Units: mL

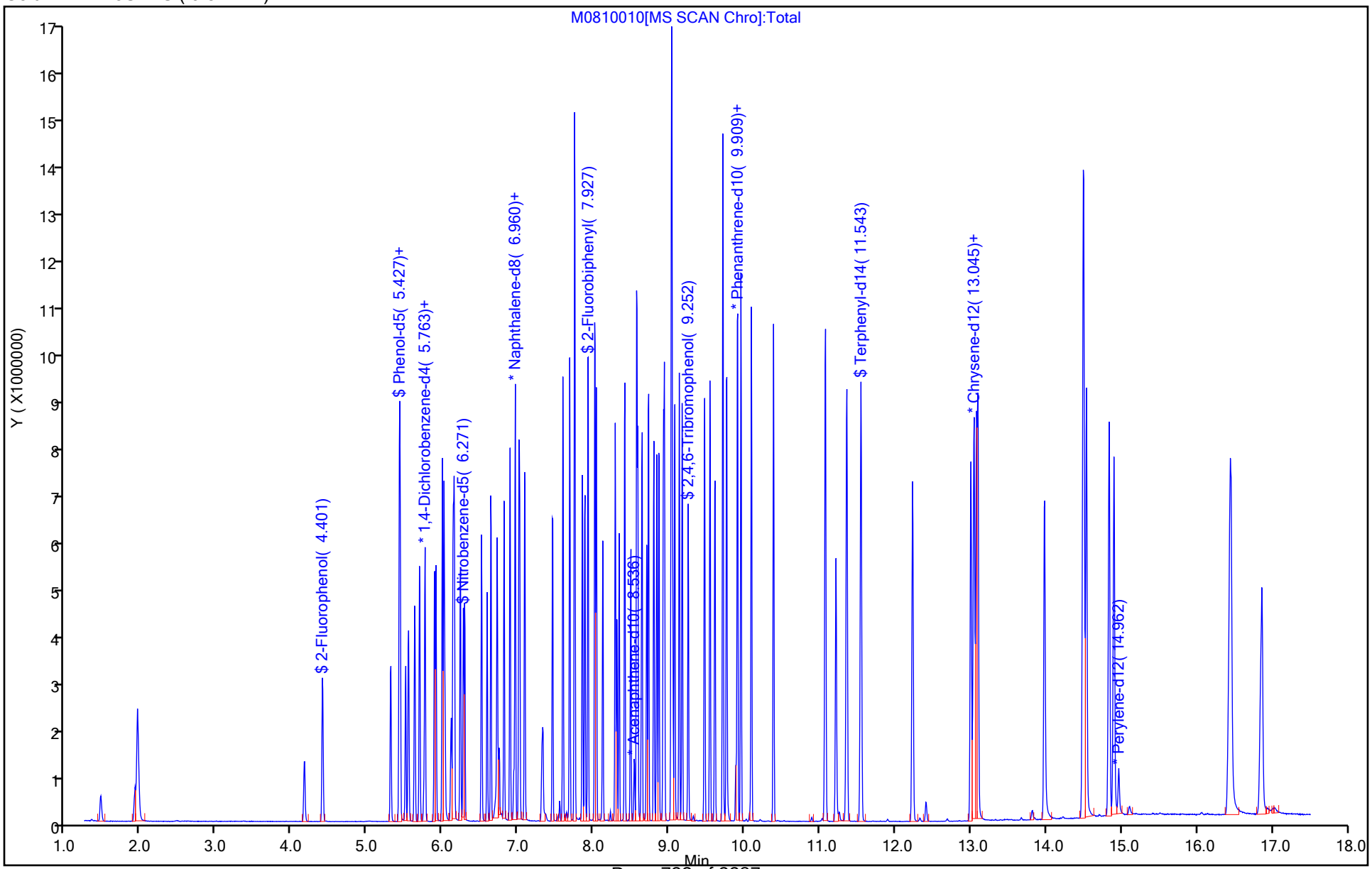
Report Date: 11-Aug-2022 07:04:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810010.D

Injection Date:	10-Aug-2022 09:08:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

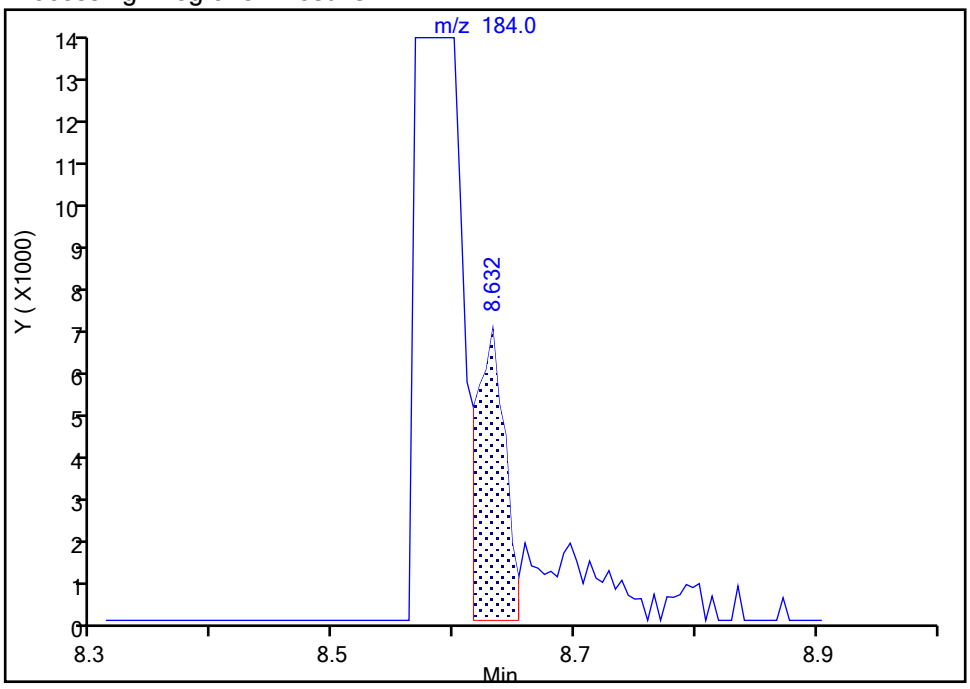
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810010.D
Injection Date: 10-Aug-2022 09:08:30 Instrument ID: CHMSD7
Lims ID: IC
Client ID:
Operator ID: 003200 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

87 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

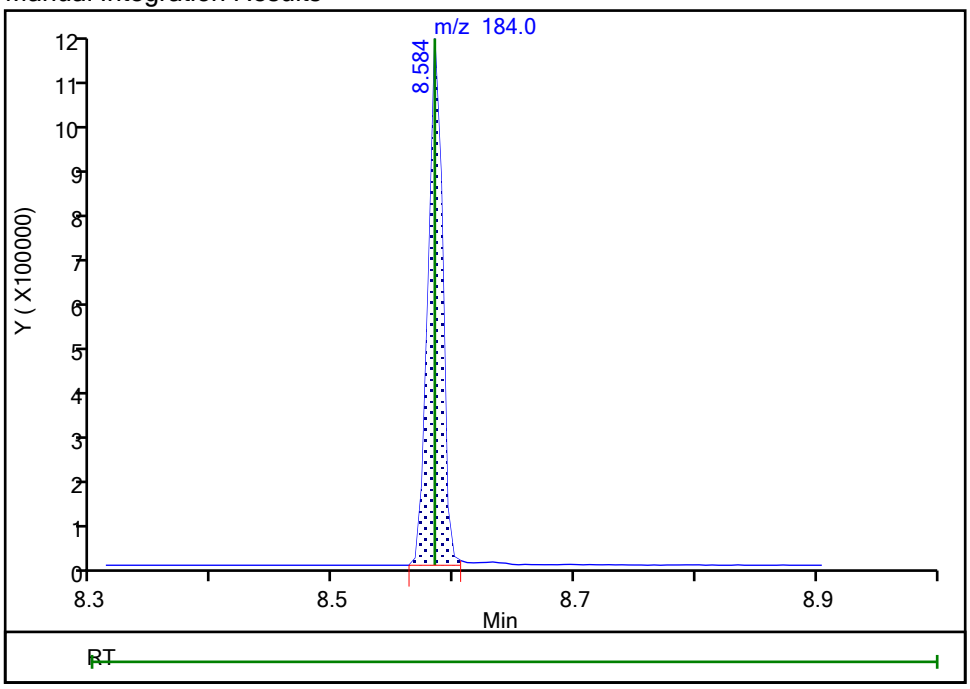
Processing Integration Results

RT: 8.63
Area: 11506
Amount: 3.120230
Amount Units: ng



Manual Integration Results

RT: 8.58
Area: 918166
Amount: 210.2994
Amount Units: ng



Reviewer: BCU1, 11-Aug-2022 05:42:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

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

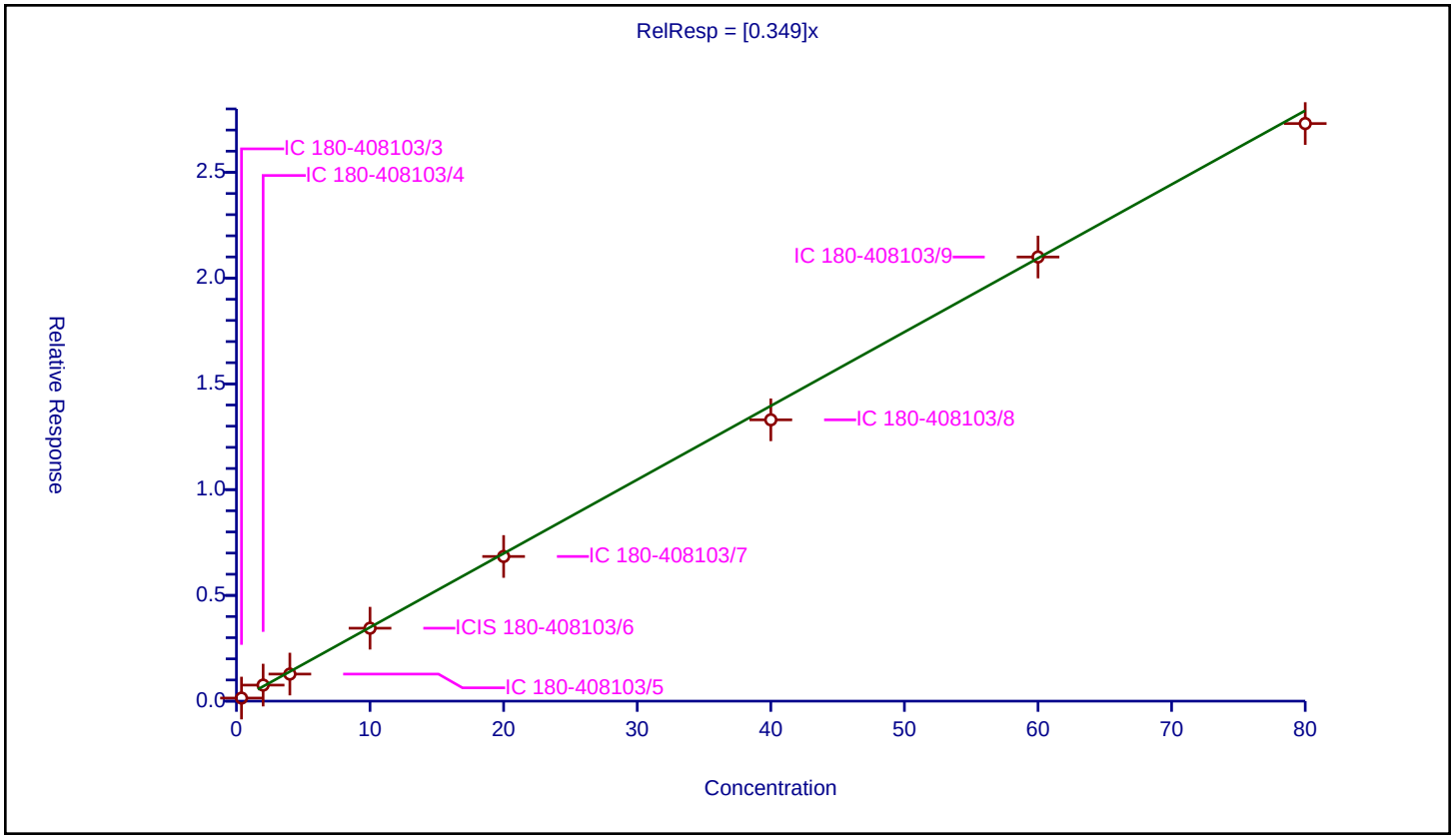
Curve Coefficients

Intercept:	0
Slope:	0.349

Error Coefficients

Standard Error:	190000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.145023	8.0	113361.0	0.381641	Y
2	IC 180-408103/4	2.0	0.759251	8.0	106663.0	0.379626	Y
3	IC 180-408103/5	4.0	1.280533	8.0	117751.0	0.320133	Y
4	ICIS 180-408103/6	10.0	3.447896	8.0	97938.0	0.34479	Y
5	IC 180-408103/7	20.0	6.838788	8.0	121666.0	0.341939	Y
6	IC 180-408103/8	40.0	13.300807	8.0	107401.0	0.33252	Y
7	IC 180-408103/9	60.0	20.99815	8.0	103768.0	0.349969	Y
8	IC 180-408103/10	80.0	27.307051	8.0	107523.0	0.341338	Y



Calibration / N-Nitrosodimethylamine

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

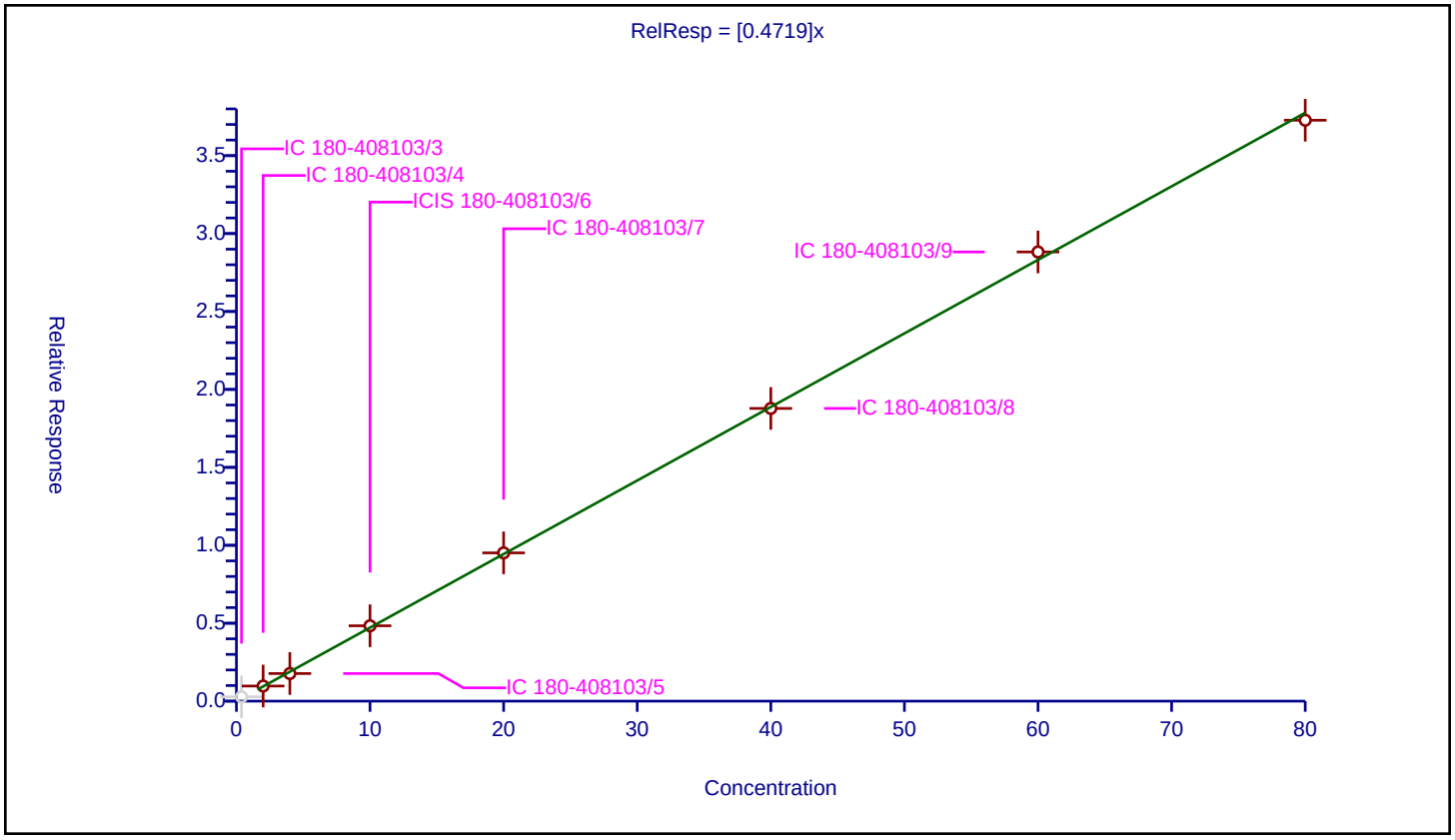
Curve Coefficients

Intercept:	0
Slope:	0.4719

Error Coefficients

Standard Error:	283000
Relative Standard Error:	3.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.275862	8.0	113361.0	0.725953	N
2	IC 180-408103/4	2.0	0.970608	8.0	106663.0	0.485304	Y
3	IC 180-408103/5	4.0	1.771059	8.0	117751.0	0.442765	Y
4	ICIS 180-408103/6	10.0	4.834977	8.0	97938.0	0.483498	Y
5	IC 180-408103/7	20.0	9.512469	8.0	121666.0	0.475623	Y
6	IC 180-408103/8	40.0	18.781352	8.0	107401.0	0.469534	Y
7	IC 180-408103/9	60.0	28.821062	8.0	103768.0	0.480351	Y
8	IC 180-408103/10	80.0	37.272695	8.0	107523.0	0.465909	Y



Calibration / Pyridine

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

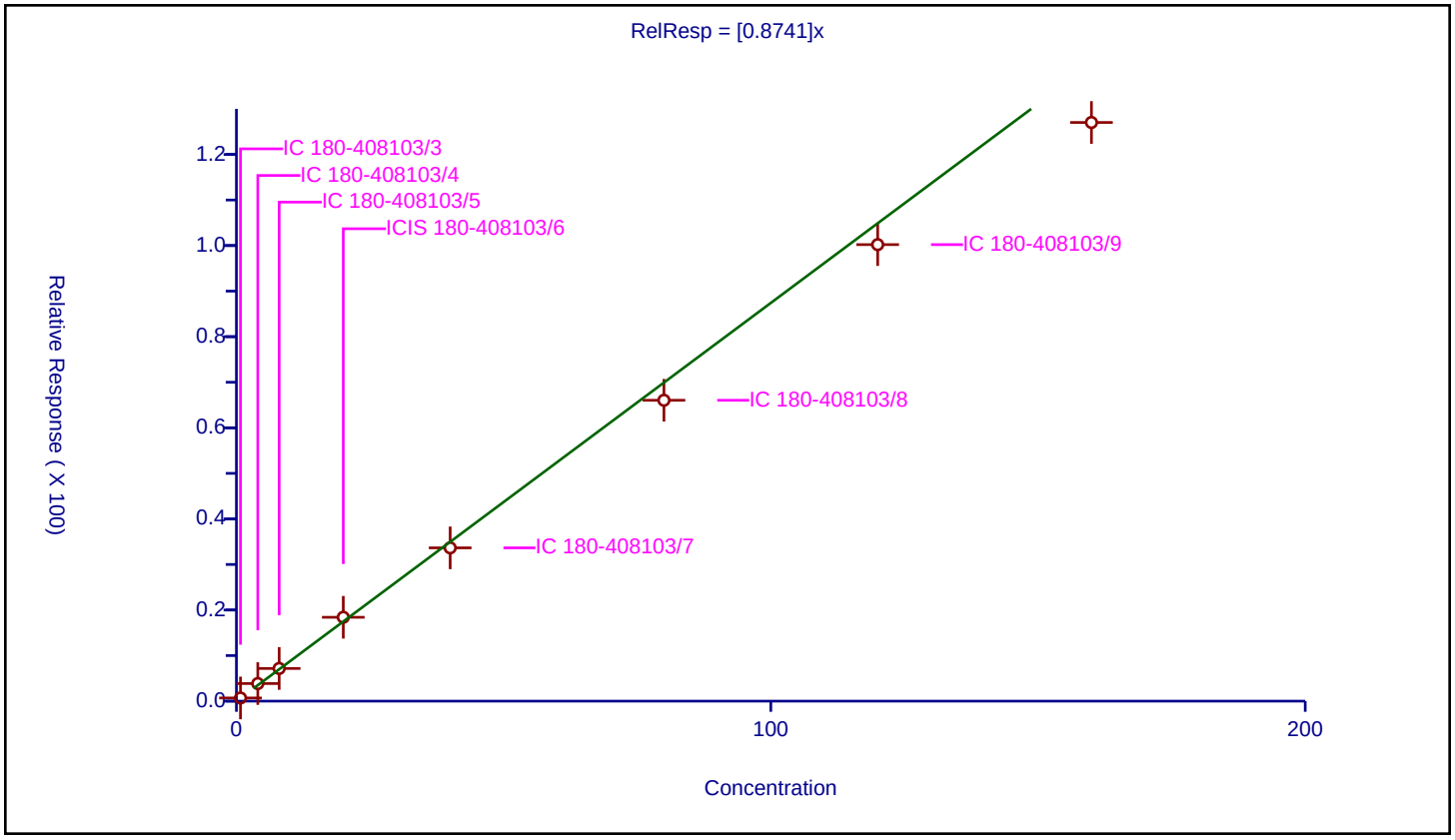
Curve Coefficients

Intercept:	0
Slope:	0.8741

Error Coefficients

Standard Error:	904000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.76	0.695689	8.0	113361.0	0.91538	Y
2	IC 180-408103/4	4.0	3.858958	8.0	106663.0	0.964739	Y
3	IC 180-408103/5	8.0	7.171132	8.0	117751.0	0.896392	Y
4	ICIS 180-408103/6	20.0	18.408462	8.0	97938.0	0.920423	Y
5	IC 180-408103/7	40.0	33.647593	8.0	121666.0	0.84119	Y
6	IC 180-408103/8	80.0	66.043854	8.0	107401.0	0.825548	Y
7	IC 180-408103/9	120.0	100.205921	8.0	103768.0	0.835049	Y
8	IC 180-408103/10	160.0	127.017215	8.0	107523.0	0.793858	Y



Calibration / Methyl methanesulfonate

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

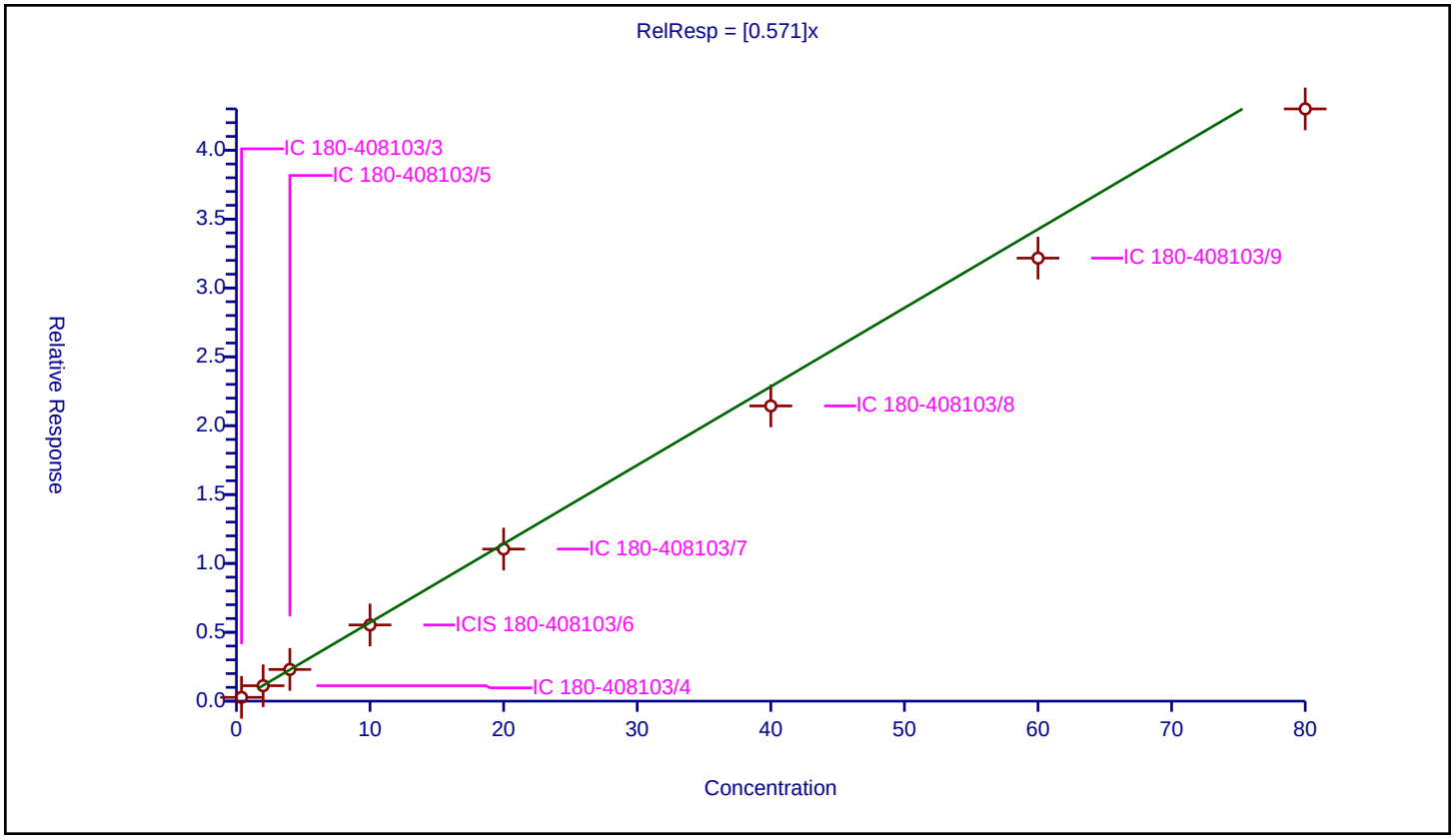
Curve Coefficients

Intercept:	0
Slope:	0.571

Error Coefficients

Standard Error:	299000
Relative Standard Error:	10.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.272898	8.0	113361.0	0.718153	Y
2	IC 180-408103/4	2.0	1.120164	8.0	106663.0	0.560082	Y
3	IC 180-408103/5	4.0	2.300787	8.0	117751.0	0.575197	Y
4	ICIS 180-408103/6	10.0	5.530764	8.0	97938.0	0.553076	Y
5	IC 180-408103/7	20.0	11.041376	8.0	121666.0	0.552069	Y
6	IC 180-408103/8	40.0	21.433246	8.0	107401.0	0.535831	Y
7	IC 180-408103/9	60.0	32.164598	8.0	103768.0	0.536077	Y
8	IC 180-408103/10	80.0	42.998354	8.0	107523.0	0.537479	Y



Calibration / 2-Fluorophenol

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

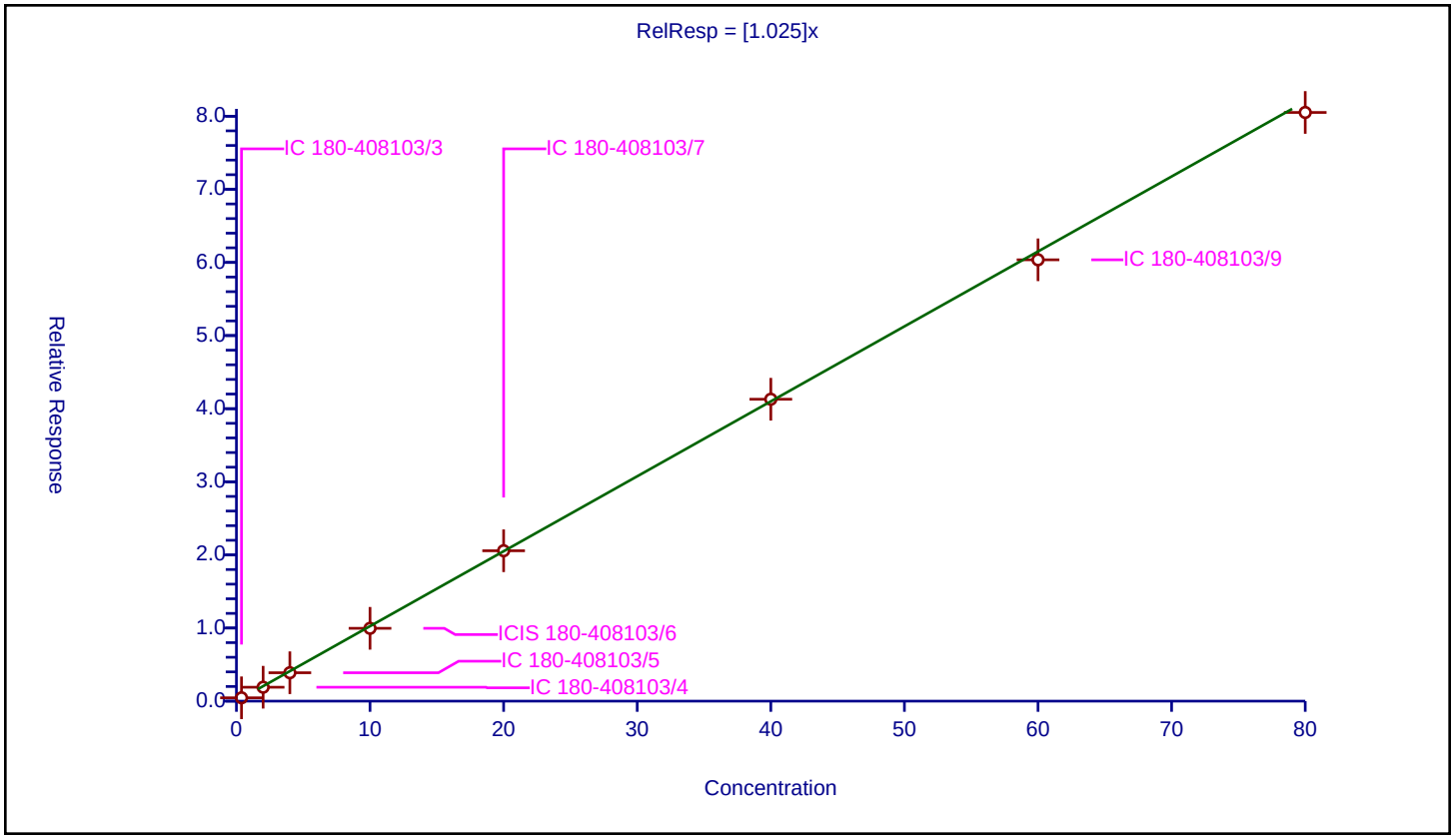
Curve Coefficients

Intercept:	0
Slope:	1.025

Error Coefficients

Standard Error:	562000
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 180-408103/3	0.38	0.458853	8.0	113361.0	1.207507	Y
2	IC 180-408103/4	2.0	1.904165	8.0	106663.0	0.952083	Y
3	IC 180-408103/5	4.0	3.886167	8.0	117751.0	0.971542	Y
4	ICIS 180-408103/6	10.0	9.959689	8.0	97938.0	0.995969	Y
5	IC 180-408103/7	20.0	20.567258	8.0	121666.0	1.028363	Y
6	IC 180-408103/8	40.0	41.292278	8.0	107401.0	1.032307	Y
7	IC 180-408103/9	60.0	60.359109	8.0	103768.0	1.005985	Y
8	IC 180-408103/10	80.0	80.512262	8.0	107523.0	1.006403	Y



Calibration / Benzaldehyde

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

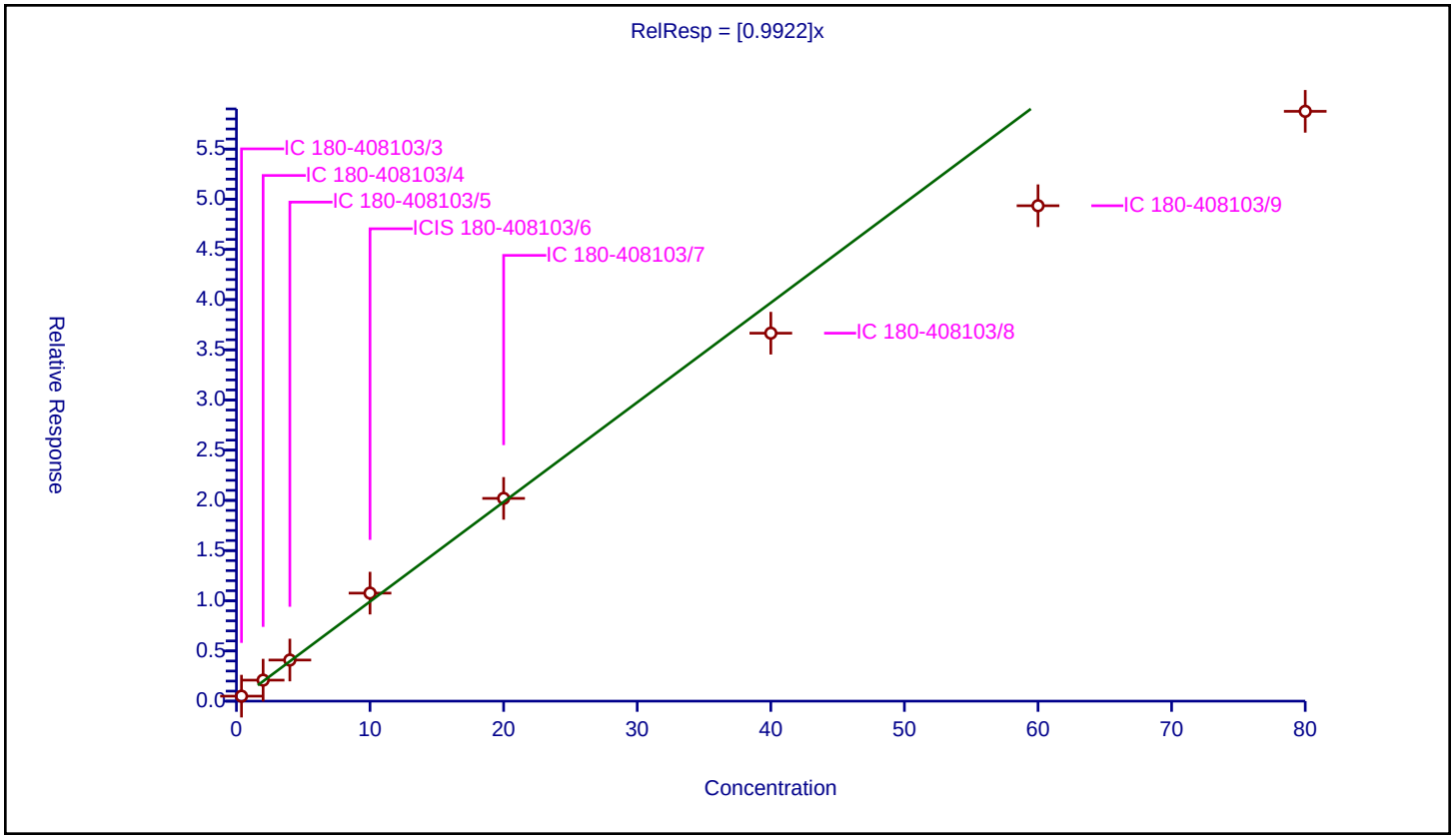
Curve Coefficients

Intercept:	0
Slope:	0.9922

Error Coefficients

Standard Error:	446000
Relative Standard Error:	17.5
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.49689	8.0	113361.0	1.307606	Y
2	IC 180-408103/4	2.0	2.092722	8.0	106663.0	1.046361	Y
3	IC 180-408103/5	4.0	4.096101	8.0	117751.0	1.024025	Y
4	ICIS 180-408103/6	10.0	10.76142	8.0	97938.0	1.076142	Y
5	IC 180-408103/7	20.0	20.197722	8.0	121666.0	1.009886	Y
6	IC 180-408103/8	40.0	36.657387	8.0	107401.0	0.916435	Y
7	IC 180-408103/9	60.0	49.351631	8.0	103768.0	0.822527	Y
8	IC 180-408103/10	80.0	58.759	8.0	107523.0	0.734488	Y



Calibration / Phenol-d5

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

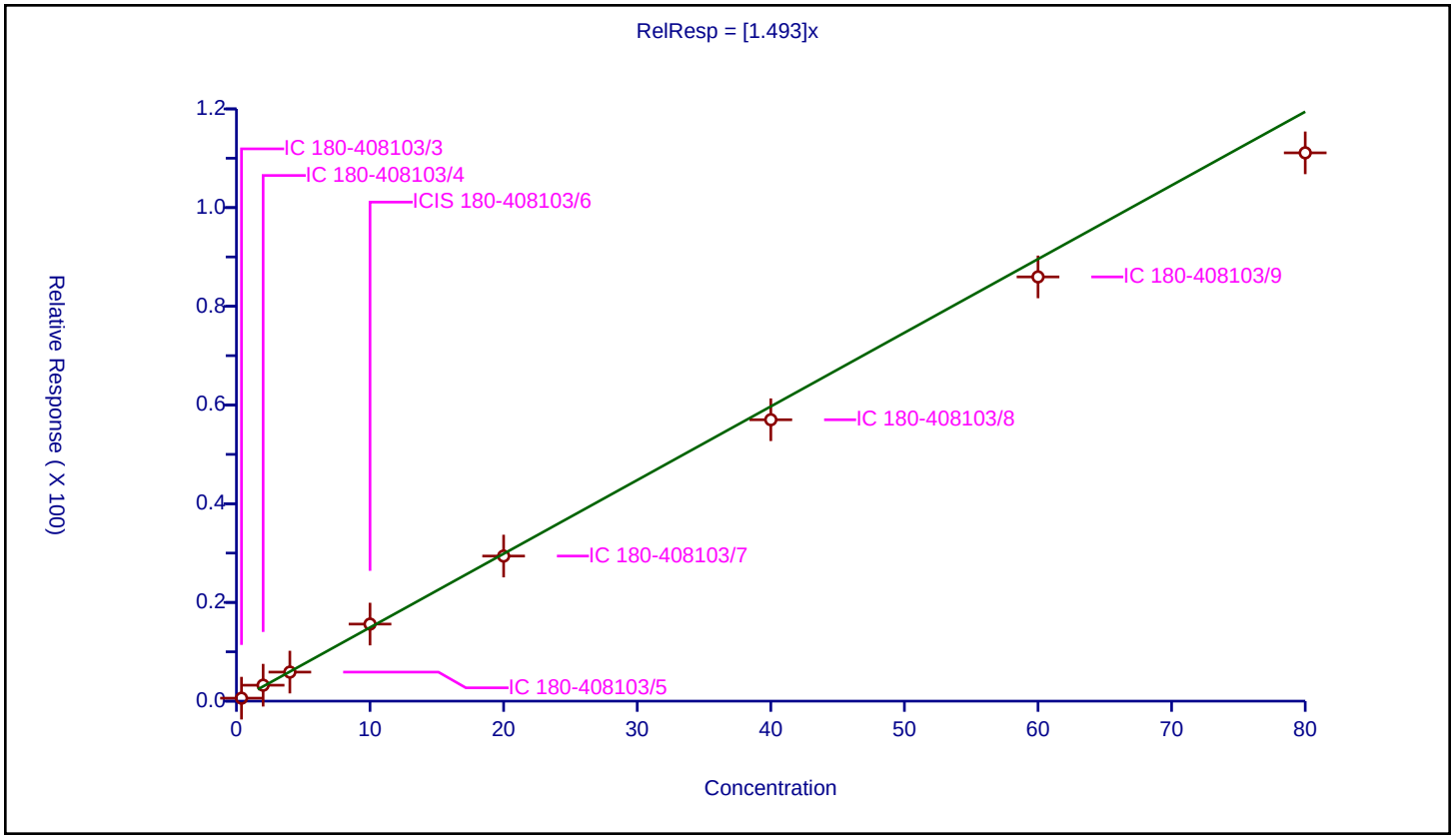
Curve Coefficients

Intercept:	0
Slope:	1.493

Error Coefficients

Standard Error:	784000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.599924	8.0	113361.0	1.578748	Y
2	IC 180-408103/4	2.0	3.229911	8.0	106663.0	1.614956	Y
3	IC 180-408103/5	4.0	5.884961	8.0	117751.0	1.47124	Y
4	ICIS 180-408103/6	10.0	15.614613	8.0	97938.0	1.561461	Y
5	IC 180-408103/7	20.0	29.396084	8.0	121666.0	1.469804	Y
6	IC 180-408103/8	40.0	57.019208	8.0	107401.0	1.42548	Y
7	IC 180-408103/9	60.0	85.961144	8.0	103768.0	1.432686	Y
8	IC 180-408103/10	80.0	111.094445	8.0	107523.0	1.388681	Y



Calibration / Aniline

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

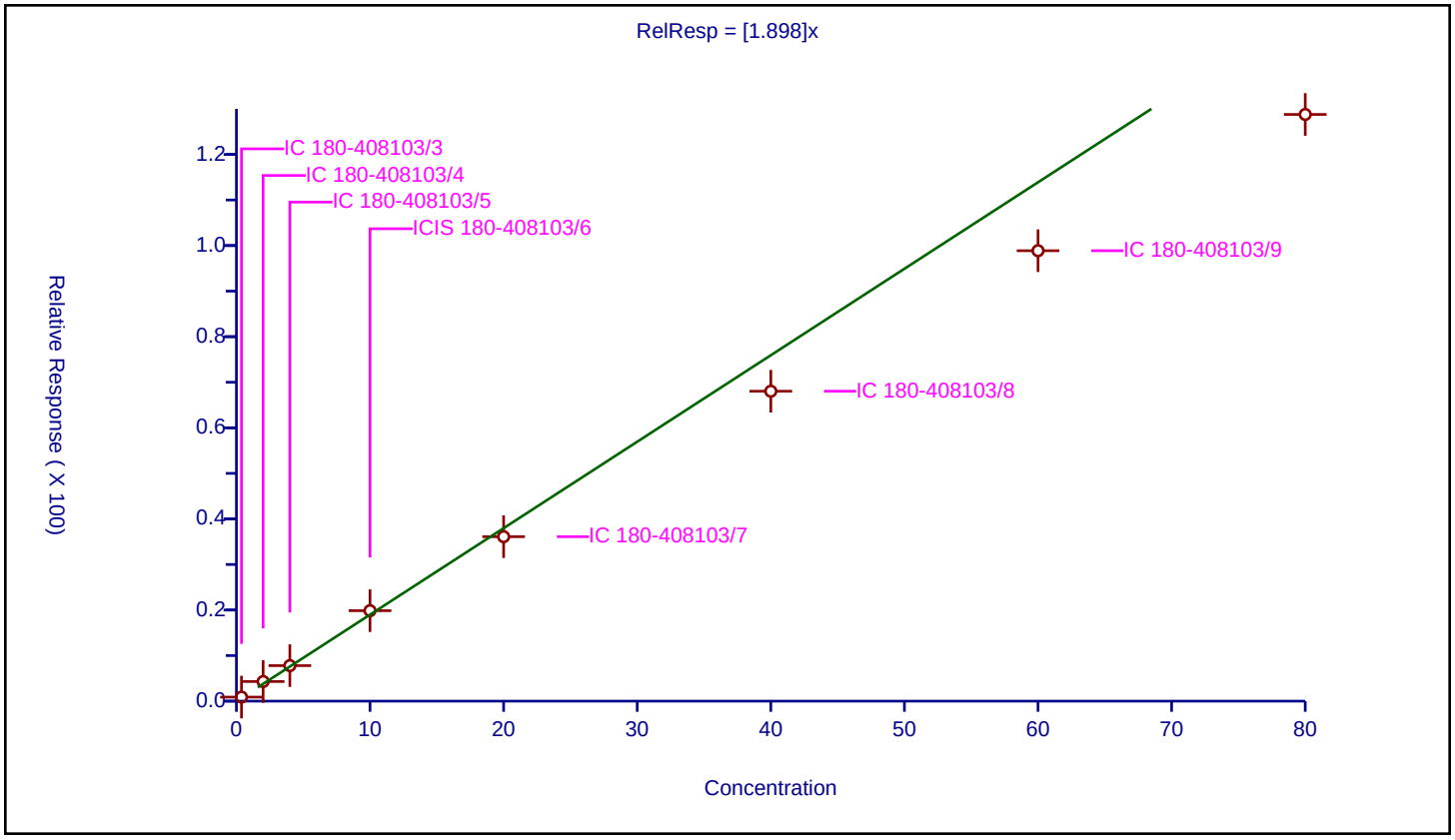
Curve Coefficients

Intercept:	0
Slope:	1.898

Error Coefficients

Standard Error:	914000
Relative Standard Error:	13.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.886513	8.0	113361.0	2.332929	Y
2	IC 180-408103/4	2.0	4.306948	8.0	106663.0	2.153474	Y
3	IC 180-408103/5	4.0	7.797947	8.0	117751.0	1.949487	Y
4	ICIS 180-408103/6	10.0	19.857134	8.0	97938.0	1.985713	Y
5	IC 180-408103/7	20.0	36.096395	8.0	121666.0	1.80482	Y
6	IC 180-408103/8	40.0	68.028193	8.0	107401.0	1.700705	Y
7	IC 180-408103/9	60.0	98.868013	8.0	103768.0	1.6478	Y
8	IC 180-408103/10	80.0	128.777285	8.0	107523.0	1.609716	Y



Calibration / Phenol

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

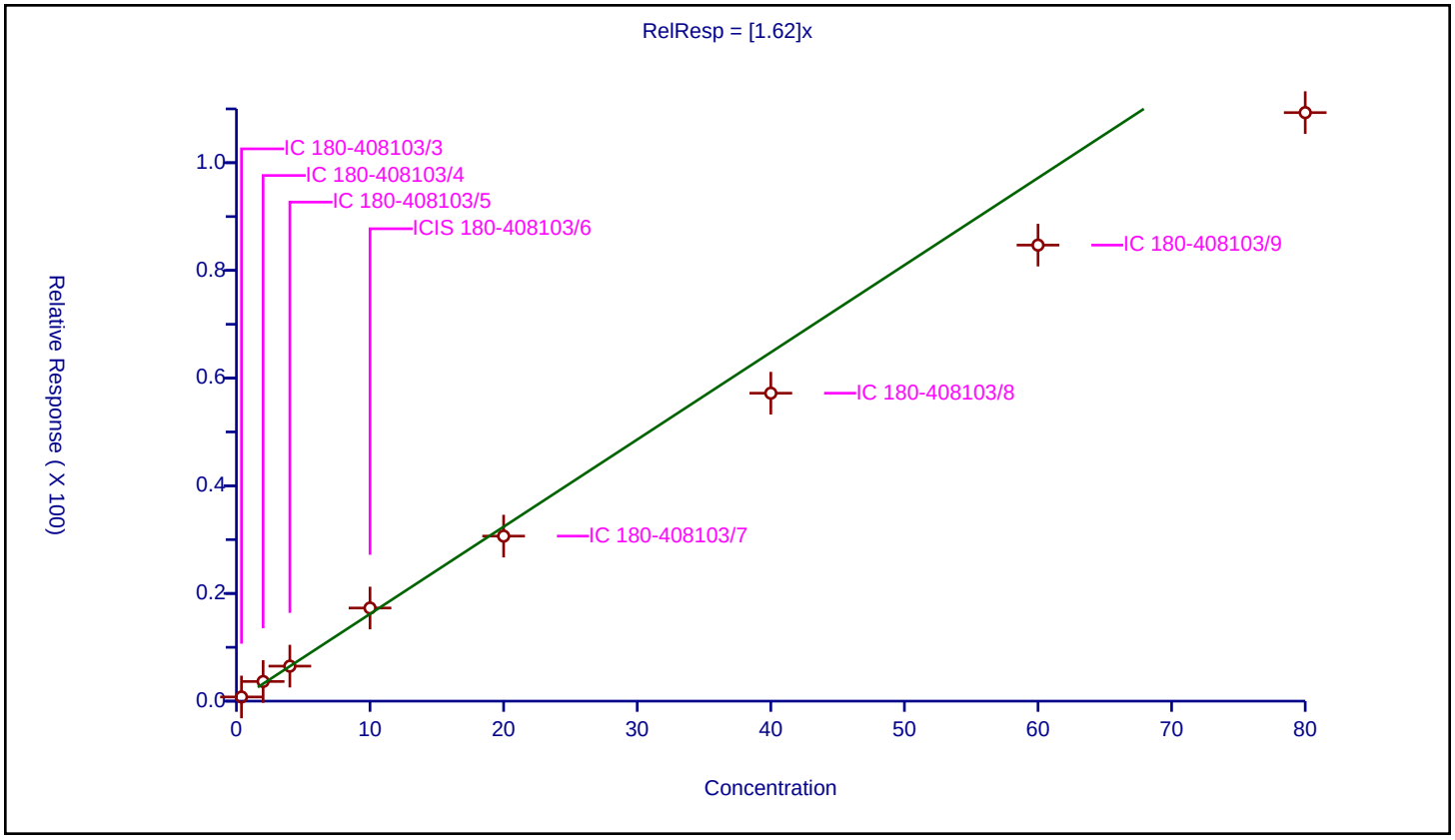
Curve Coefficients

Intercept:	0
Slope:	1.62

Error Coefficients

Standard Error:	777000
Relative Standard Error:	14.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.772894	8.0	113361.0	2.033931	Y
2	IC 180-408103/4	2.0	3.653976	8.0	106663.0	1.826988	Y
3	IC 180-408103/5	4.0	6.501652	8.0	117751.0	1.625413	Y
4	ICIS 180-408103/6	10.0	17.29437	8.0	97938.0	1.729437	Y
5	IC 180-408103/7	20.0	30.652968	8.0	121666.0	1.532648	Y
6	IC 180-408103/8	40.0	57.195892	8.0	107401.0	1.429897	Y
7	IC 180-408103/9	60.0	84.701642	8.0	103768.0	1.411694	Y
8	IC 180-408103/10	80.0	109.309822	8.0	107523.0	1.366373	Y



Calibration / Bis(2-chloroethyl)ether

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

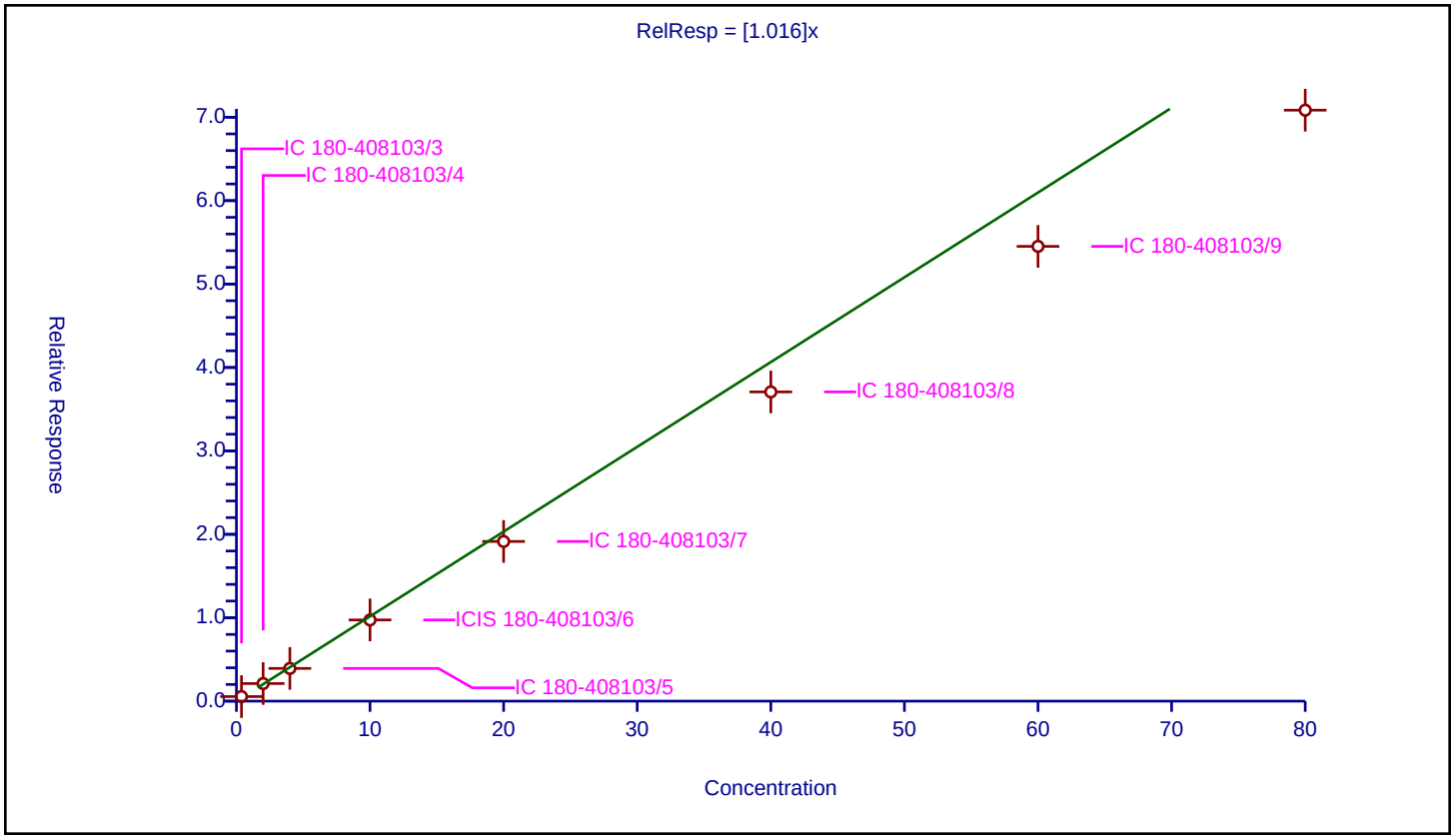
Curve Coefficients

Intercept:	0
Slope:	1.016

Error Coefficients

Standard Error:	501000
Relative Standard Error:	17.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.548054	8.0	113361.0	1.442249	Y
2	IC 180-408103/4	2.0	2.110048	8.0	106663.0	1.055024	Y
3	IC 180-408103/5	4.0	3.921427	8.0	117751.0	0.980357	Y
4	ICIS 180-408103/6	10.0	9.733505	8.0	97938.0	0.97335	Y
5	IC 180-408103/7	20.0	19.142242	8.0	121666.0	0.957112	Y
6	IC 180-408103/8	40.0	37.071983	8.0	107401.0	0.9268	Y
7	IC 180-408103/9	60.0	54.517154	8.0	103768.0	0.908619	Y
8	IC 180-408103/10	80.0	70.84527	8.0	107523.0	0.885566	Y



Calibration / 2-Chlorophenol

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

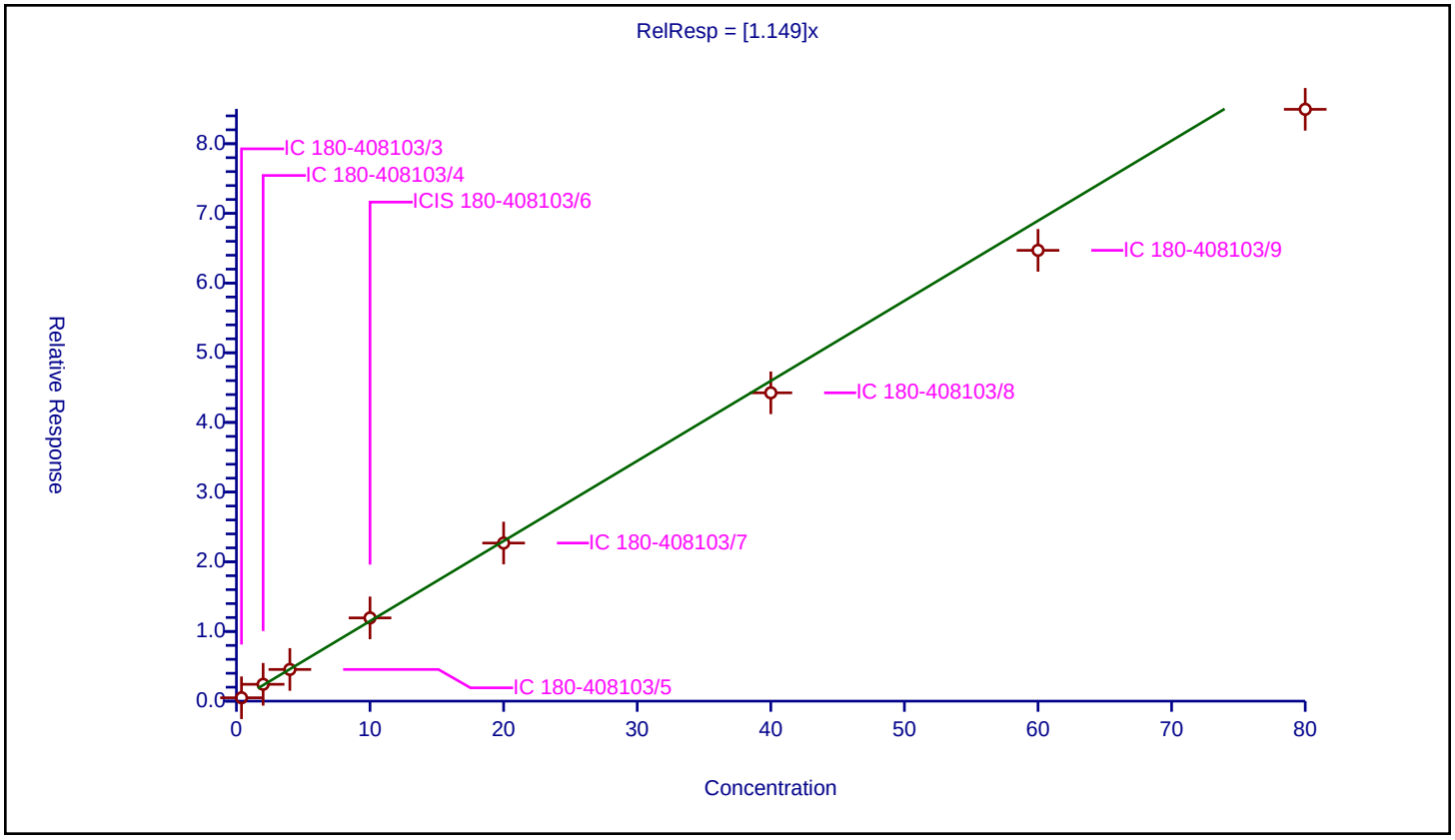
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Standard Error:	598000
Relative Standard Error:	6.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.483341	8.0	113361.0	1.27195	Y
2	IC 180-408103/4	2.0	2.418533	8.0	106663.0	1.209267	Y
3	IC 180-408103/5	4.0	4.545592	8.0	117751.0	1.136398	Y
4	ICIS 180-408103/6	10.0	11.94666	8.0	97938.0	1.194666	Y
5	IC 180-408103/7	20.0	22.688278	8.0	121666.0	1.134414	Y
6	IC 180-408103/8	40.0	44.252474	8.0	107401.0	1.106312	Y
7	IC 180-408103/9	60.0	64.69879	8.0	103768.0	1.078313	Y
8	IC 180-408103/10	80.0	84.937809	8.0	107523.0	1.061723	Y



Calibration / n-Decane

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

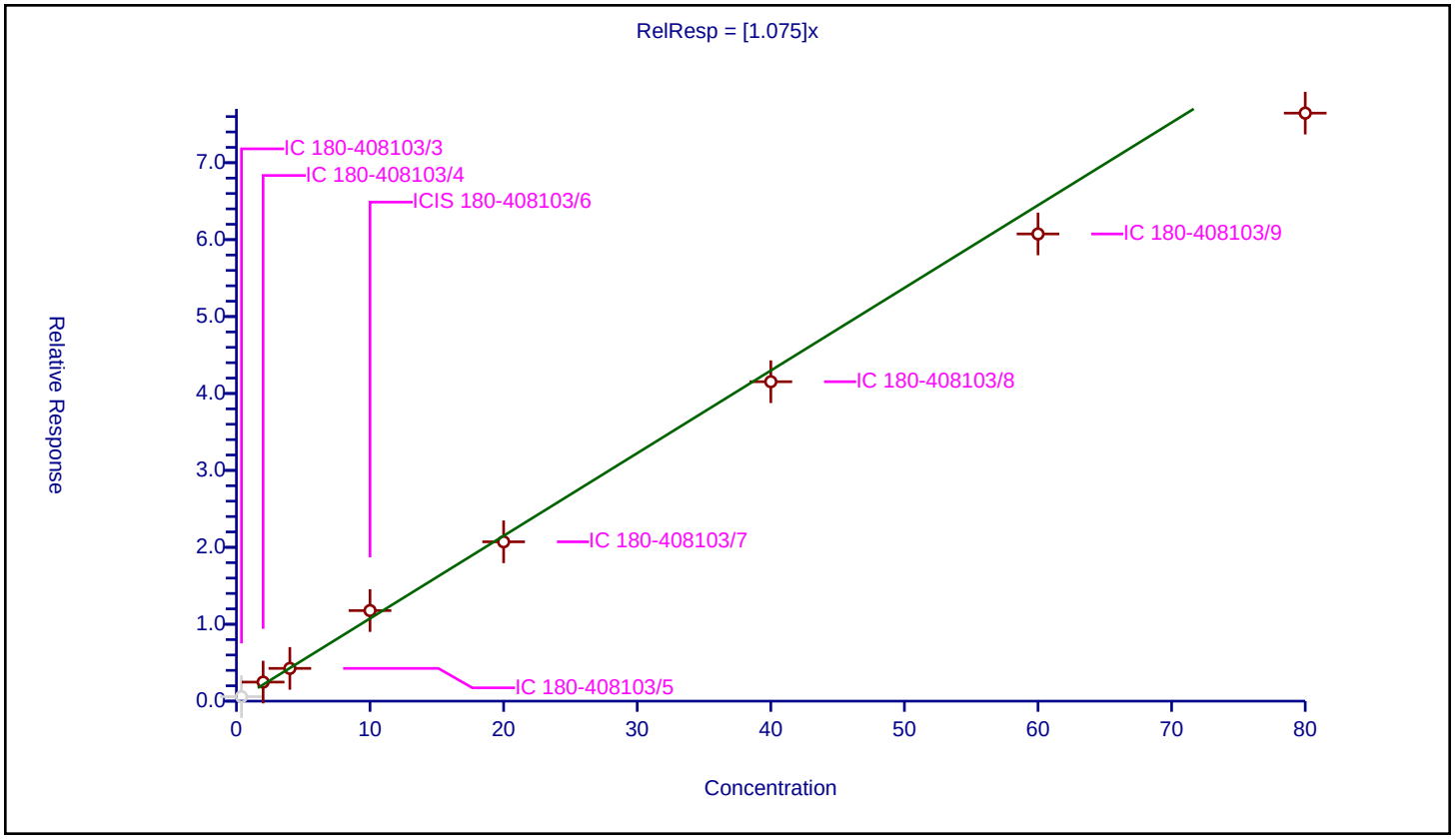
Curve Coefficients

Intercept:	0
Slope:	1.075

Error Coefficients

Standard Error:	593000
Relative Standard Error:	9.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.580941	8.0	113361.0	1.528791	N
2	IC 180-408103/4	2.0	2.47621	8.0	106663.0	1.238105	Y
3	IC 180-408103/5	4.0	4.257391	8.0	117751.0	1.064348	Y
4	ICIS 180-408103/6	10.0	11.775205	8.0	97938.0	1.17752	Y
5	IC 180-408103/7	20.0	20.71527	8.0	121666.0	1.035763	Y
6	IC 180-408103/8	40.0	41.529222	8.0	107401.0	1.038231	Y
7	IC 180-408103/9	60.0	60.741038	8.0	103768.0	1.012351	Y
8	IC 180-408103/10	80.0	76.449727	8.0	107523.0	0.955622	Y



Calibration / 1,3-Dichlorobenzene

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

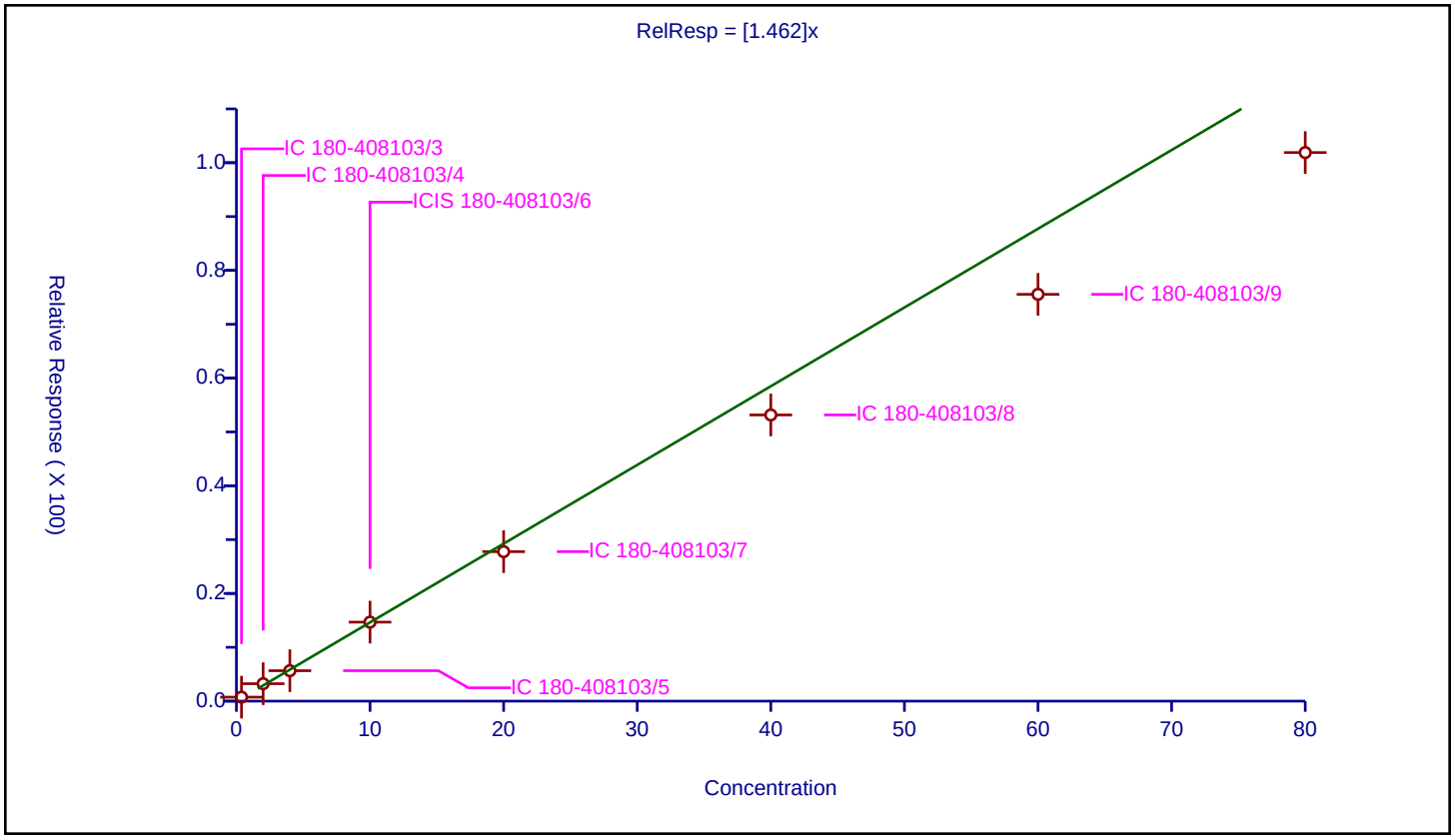
Curve Coefficients

Intercept:	0
Slope:	1.462

Error Coefficients

Standard Error:	714000
Relative Standard Error:	15.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.740854	8.0	113361.0	1.949617	Y
2	IC 180-408103/4	2.0	3.235236	8.0	106663.0	1.617618	Y
3	IC 180-408103/5	4.0	5.652334	8.0	117751.0	1.413084	Y
4	ICIS 180-408103/6	10.0	14.675162	8.0	97938.0	1.467516	Y
5	IC 180-408103/7	20.0	27.766048	8.0	121666.0	1.388302	Y
6	IC 180-408103/8	40.0	53.155781	8.0	107401.0	1.328895	Y
7	IC 180-408103/9	60.0	75.559787	8.0	103768.0	1.25933	Y
8	IC 180-408103/10	80.0	101.890237	8.0	107523.0	1.273628	Y



Calibration / 1,4-Dichlorobenzene

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

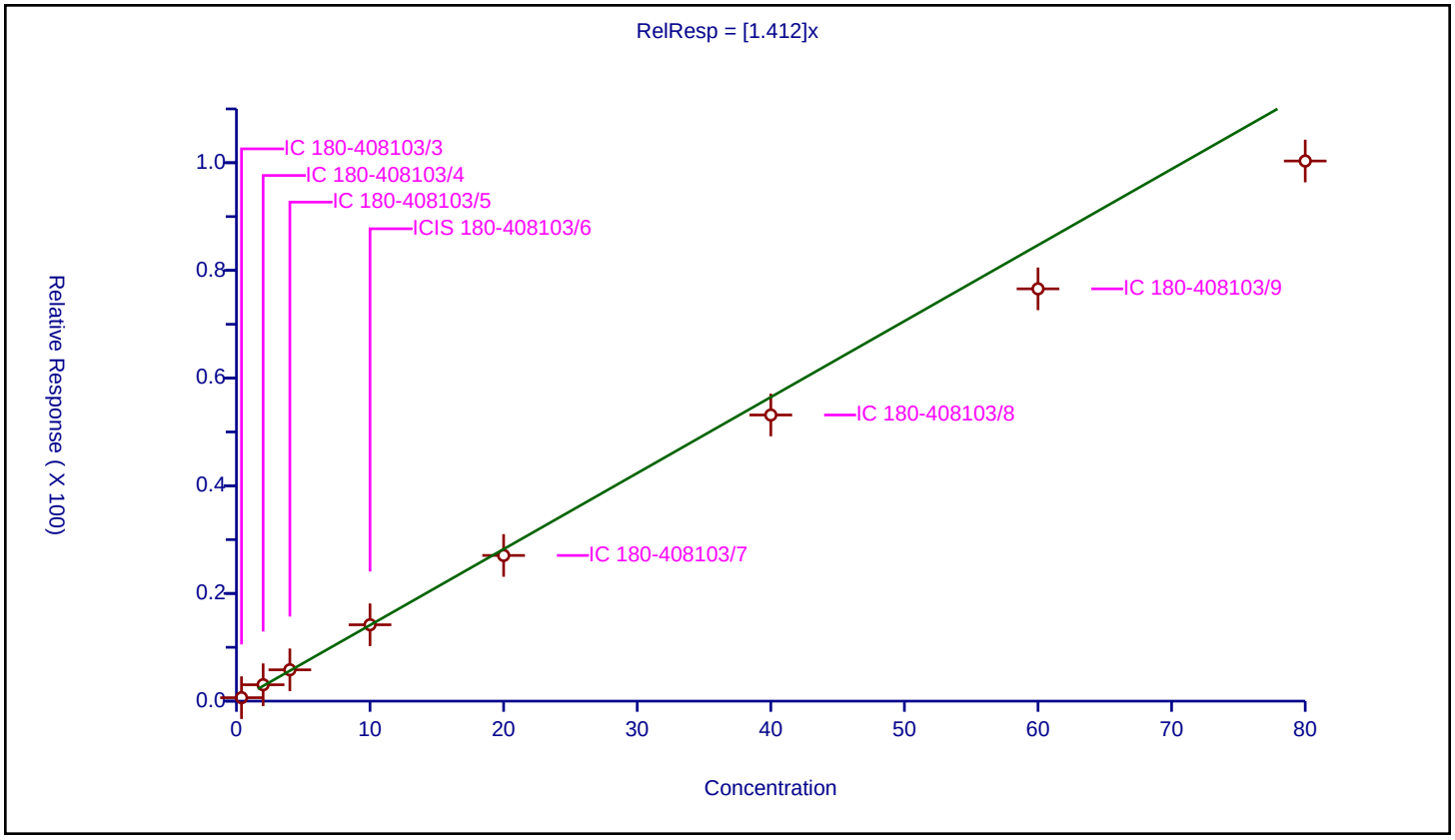
Curve Coefficients

Intercept:	0
Slope:	1.412

Error Coefficients

Standard Error:	709000
Relative Standard Error:	10.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.640291	8.0	113361.0	1.684976	Y
2	IC 180-408103/4	2.0	3.046005	8.0	106663.0	1.523002	Y
3	IC 180-408103/5	4.0	5.817972	8.0	117751.0	1.454493	Y
4	ICIS 180-408103/6	10.0	14.185628	8.0	97938.0	1.418563	Y
5	IC 180-408103/7	20.0	27.059721	8.0	121666.0	1.352986	Y
6	IC 180-408103/8	40.0	53.145799	8.0	107401.0	1.328645	Y
7	IC 180-408103/9	60.0	76.577596	8.0	103768.0	1.276293	Y
8	IC 180-408103/10	80.0	100.325475	8.0	107523.0	1.254068	Y



Calibration / Benzyl alcohol

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

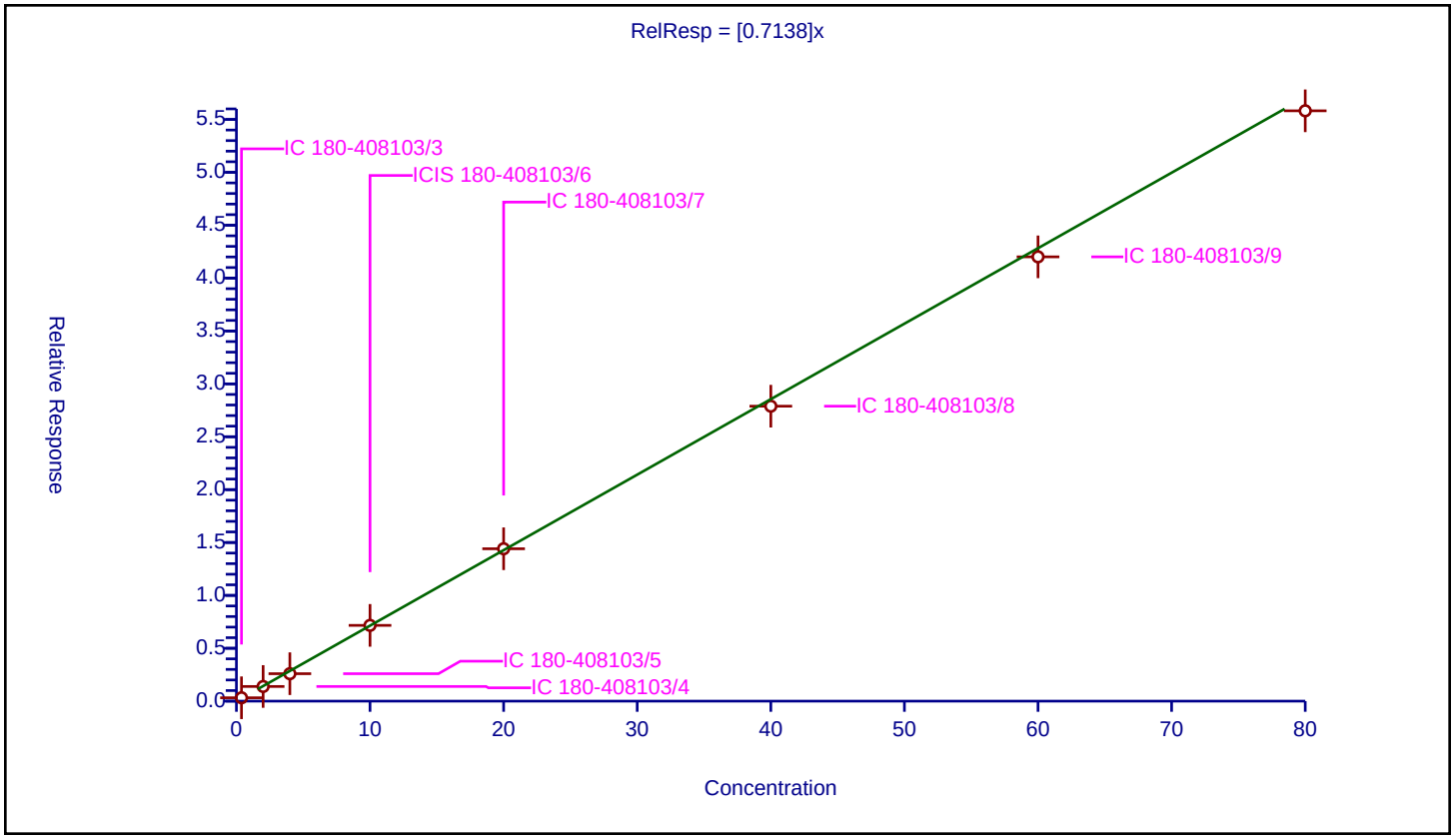
Curve Coefficients

Intercept:	0
Slope:	0.7138

Error Coefficients

Standard Error:	389000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.31764	8.0	113361.0	0.835895	Y
2	IC 180-408103/4	2.0	1.387548	8.0	106663.0	0.693774	Y
3	IC 180-408103/5	4.0	2.59422	8.0	117751.0	0.648555	Y
4	ICIS 180-408103/6	10.0	7.164124	8.0	97938.0	0.716412	Y
5	IC 180-408103/7	20.0	14.409153	8.0	121666.0	0.720458	Y
6	IC 180-408103/8	40.0	27.890765	8.0	107401.0	0.697269	Y
7	IC 180-408103/9	60.0	42.011333	8.0	103768.0	0.700189	Y
8	IC 180-408103/10	80.0	55.818234	8.0	107523.0	0.697728	Y



Calibration / 1,2-Dichlorobenzene

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

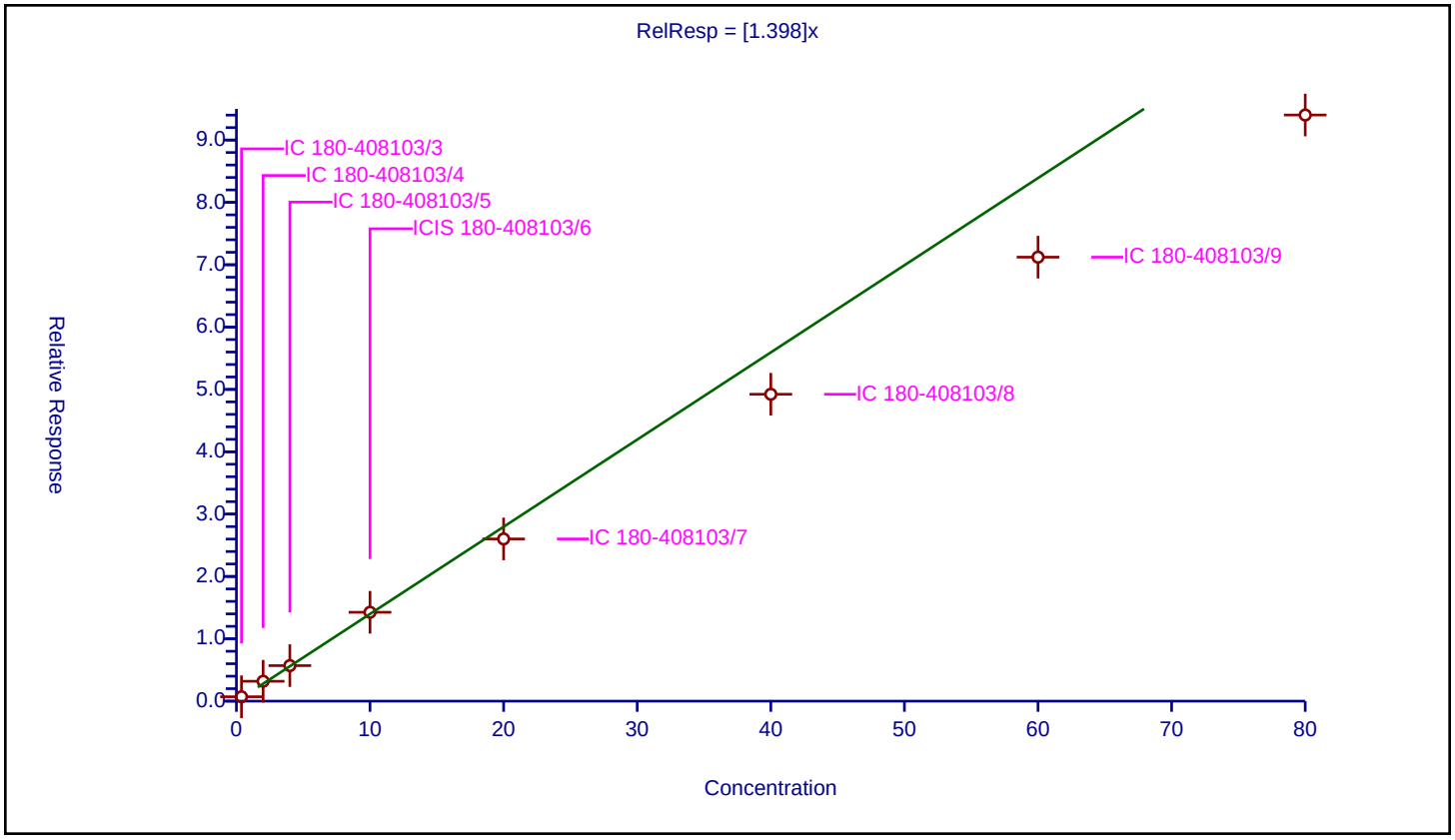
Curve Coefficients

Intercept:	0
Slope:	1.398

Error Coefficients

Standard Error:	664000
Relative Standard Error:	16.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.702393	8.0	113361.0	1.848403	Y
2	IC 180-408103/4	2.0	3.189935	8.0	106663.0	1.594967	Y
3	IC 180-408103/5	4.0	5.697922	8.0	117751.0	1.42448	Y
4	ICIS 180-408103/6	10.0	14.255549	8.0	97938.0	1.425555	Y
5	IC 180-408103/7	20.0	26.017852	8.0	121666.0	1.300893	Y
6	IC 180-408103/8	40.0	49.228368	8.0	107401.0	1.230709	Y
7	IC 180-408103/9	60.0	71.216483	8.0	103768.0	1.186941	Y
8	IC 180-408103/10	80.0	94.019177	8.0	107523.0	1.17524	Y



Calibration / Indene

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

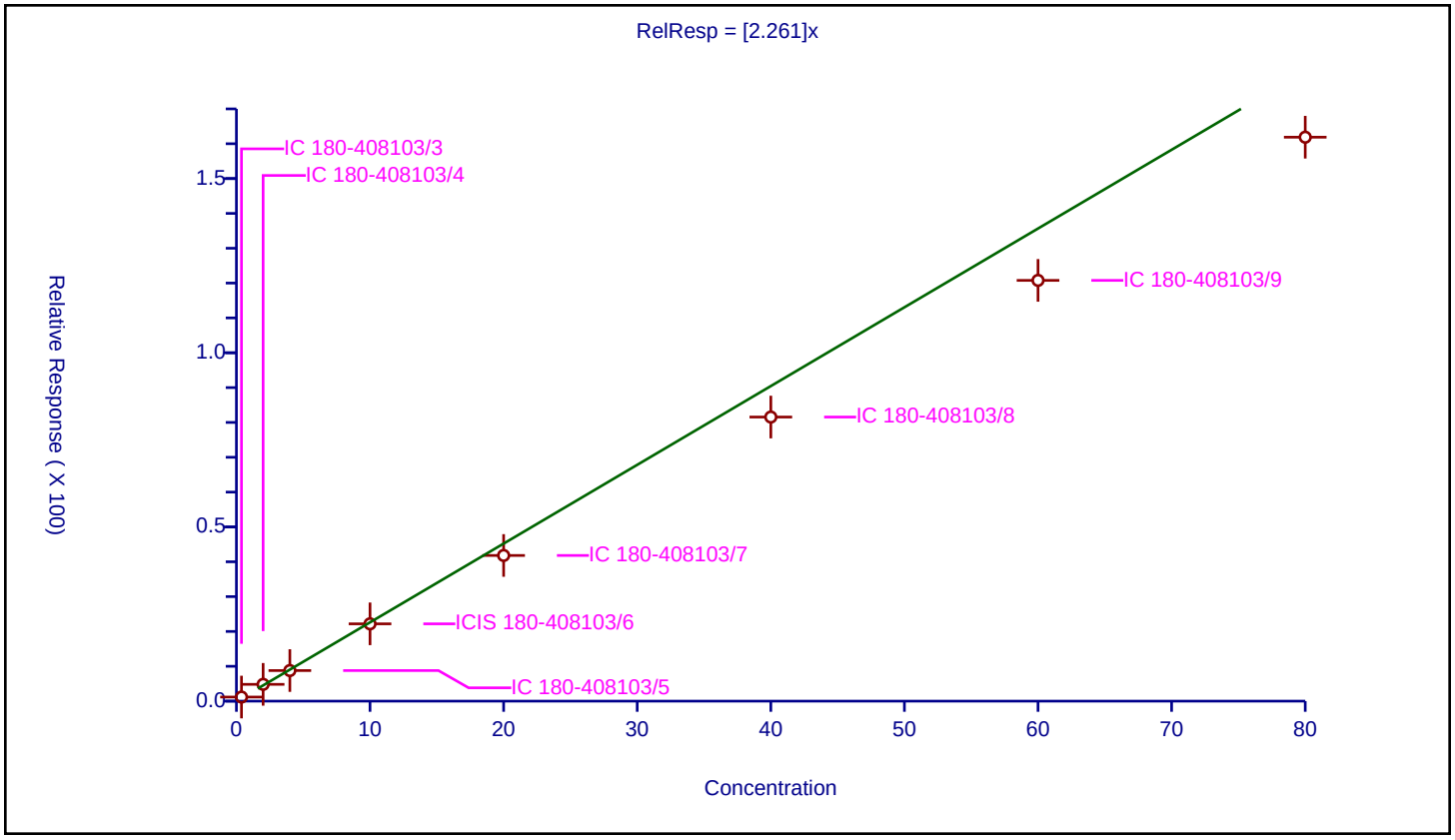
Curve Coefficients

Intercept:	0
Slope:	2.261

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	16.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	1.175995	8.0	113361.0	3.094724	Y
2	IC 180-408103/4	2.0	4.823566	8.0	106663.0	2.411783	Y
3	IC 180-408103/5	4.0	8.782872	8.0	117751.0	2.195718	Y
4	ICIS 180-408103/6	10.0	22.192652	8.0	97938.0	2.219265	Y
5	IC 180-408103/7	20.0	41.81487	8.0	121666.0	2.090744	Y
6	IC 180-408103/8	40.0	81.545237	8.0	107401.0	2.038631	Y
7	IC 180-408103/9	60.0	120.773726	8.0	103768.0	2.012895	Y
8	IC 180-408103/10	80.0	161.871376	8.0	107523.0	2.023392	Y



Calibration / 2-Methylphenol

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

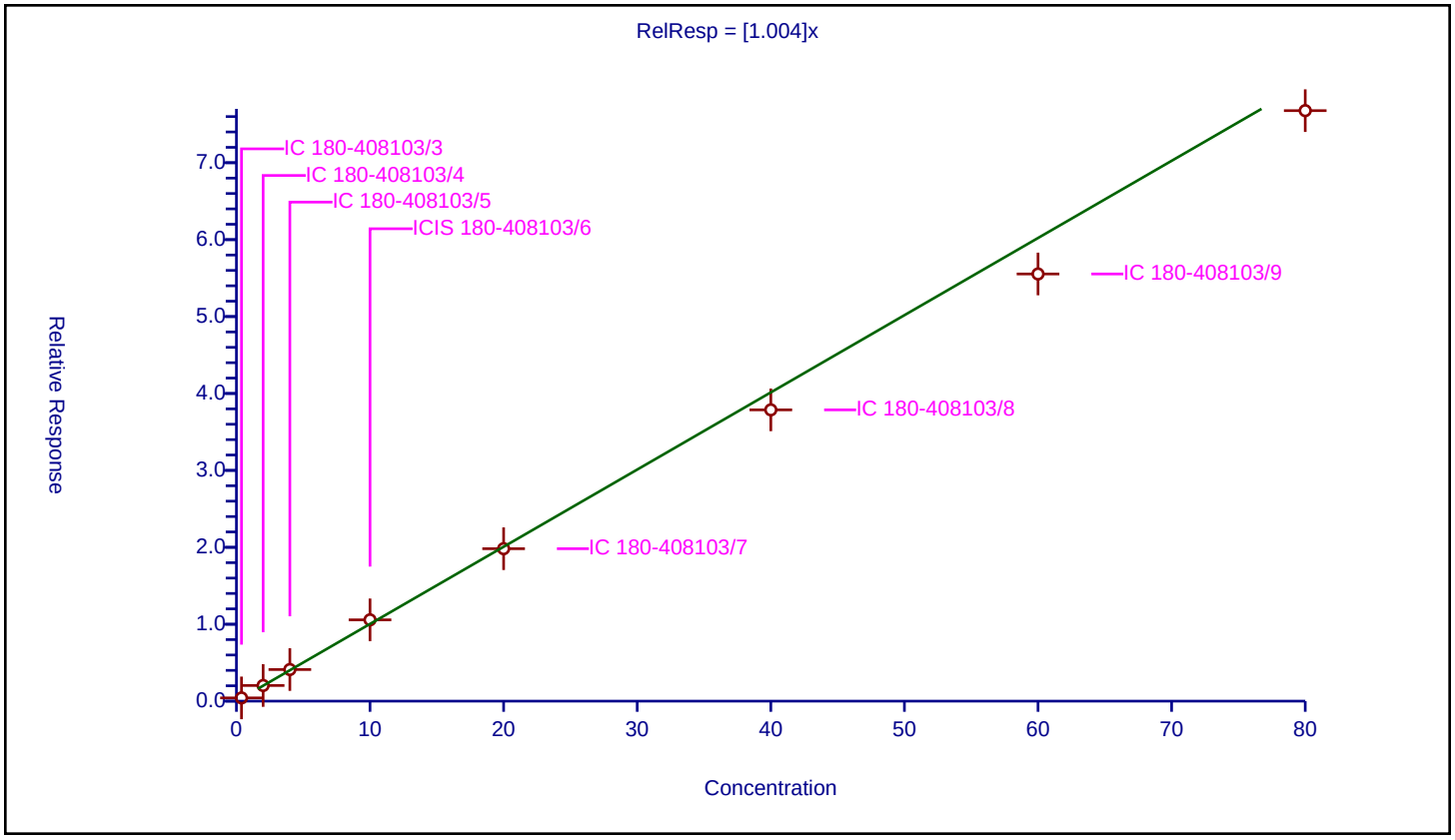
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	528000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.419403	8.0	113361.0	1.103693	Y
2	IC 180-408103/4	2.0	2.033995	8.0	106663.0	1.016997	Y
3	IC 180-408103/5	4.0	4.109757	8.0	117751.0	1.027439	Y
4	ICIS 180-408103/6	10.0	10.571178	8.0	97938.0	1.057118	Y
5	IC 180-408103/7	20.0	19.818848	8.0	121666.0	0.990942	Y
6	IC 180-408103/8	40.0	37.871454	8.0	107401.0	0.946786	Y
7	IC 180-408103/9	60.0	55.536427	8.0	103768.0	0.925607	Y
8	IC 180-408103/10	80.0	76.772411	8.0	107523.0	0.959655	Y



Calibration / 2,2'-oxybis[1-chloropropane]

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

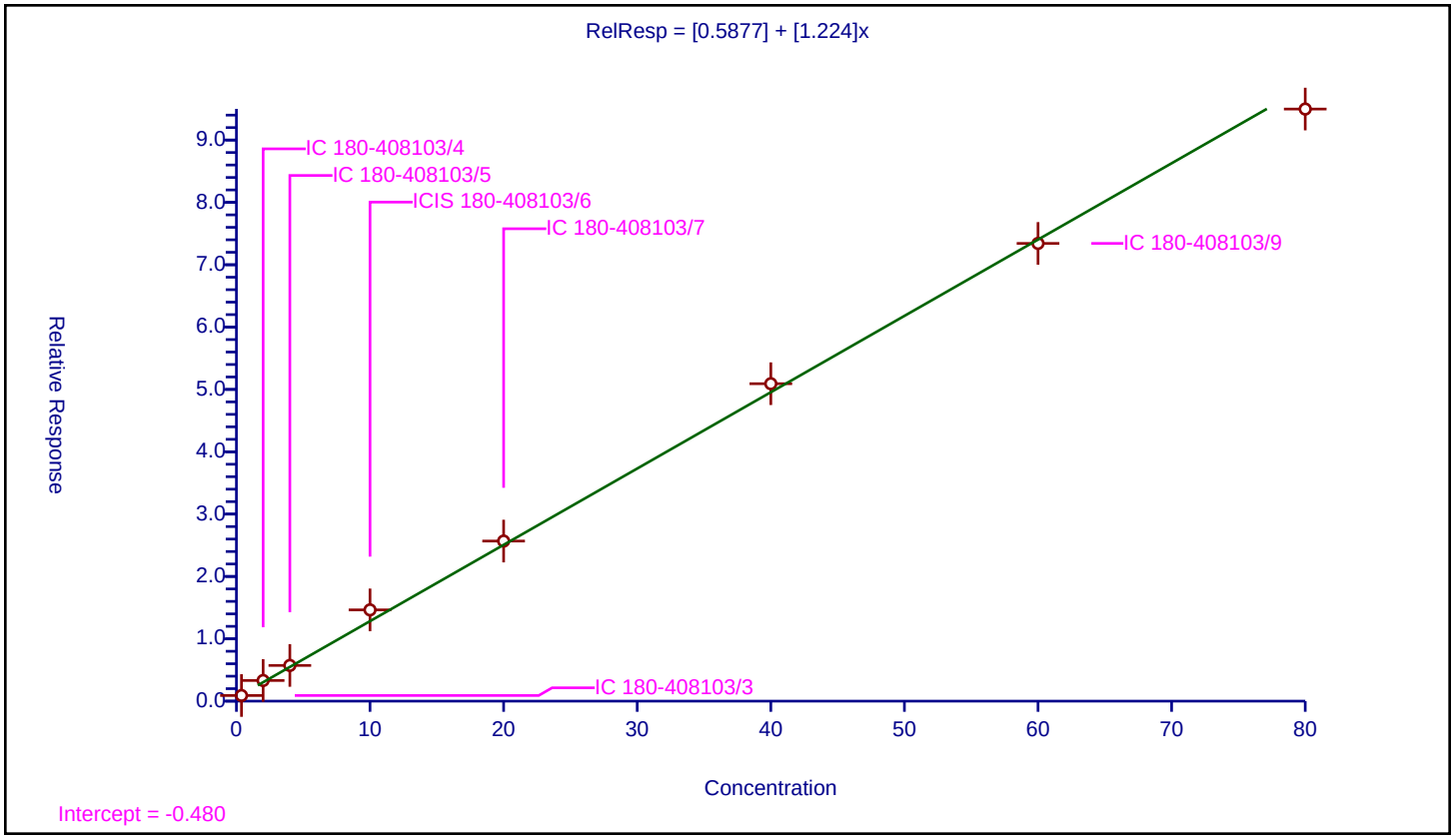
Curve Coefficients

Intercept:	0.5877
Slope:	1.224

Error Coefficients

Standard Error:	730000
Relative Standard Error:	15.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.90472	8.0	113361.0	2.380843	Y
2	IC 180-408103/4	2.0	3.312789	8.0	106663.0	1.656394	Y
3	IC 180-408103/5	4.0	5.725302	8.0	117751.0	1.431325	Y
4	ICIS 180-408103/6	10.0	14.637505	8.0	97938.0	1.463751	Y
5	IC 180-408103/7	20.0	25.676722	8.0	121666.0	1.283836	Y
6	IC 180-408103/8	40.0	50.919451	8.0	107401.0	1.272986	Y
7	IC 180-408103/9	60.0	73.422404	8.0	103768.0	1.223707	Y
8	IC 180-408103/10	80.0	94.973094	8.0	107523.0	1.187164	Y



Calibration / N-Nitrosopyrrolidine

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

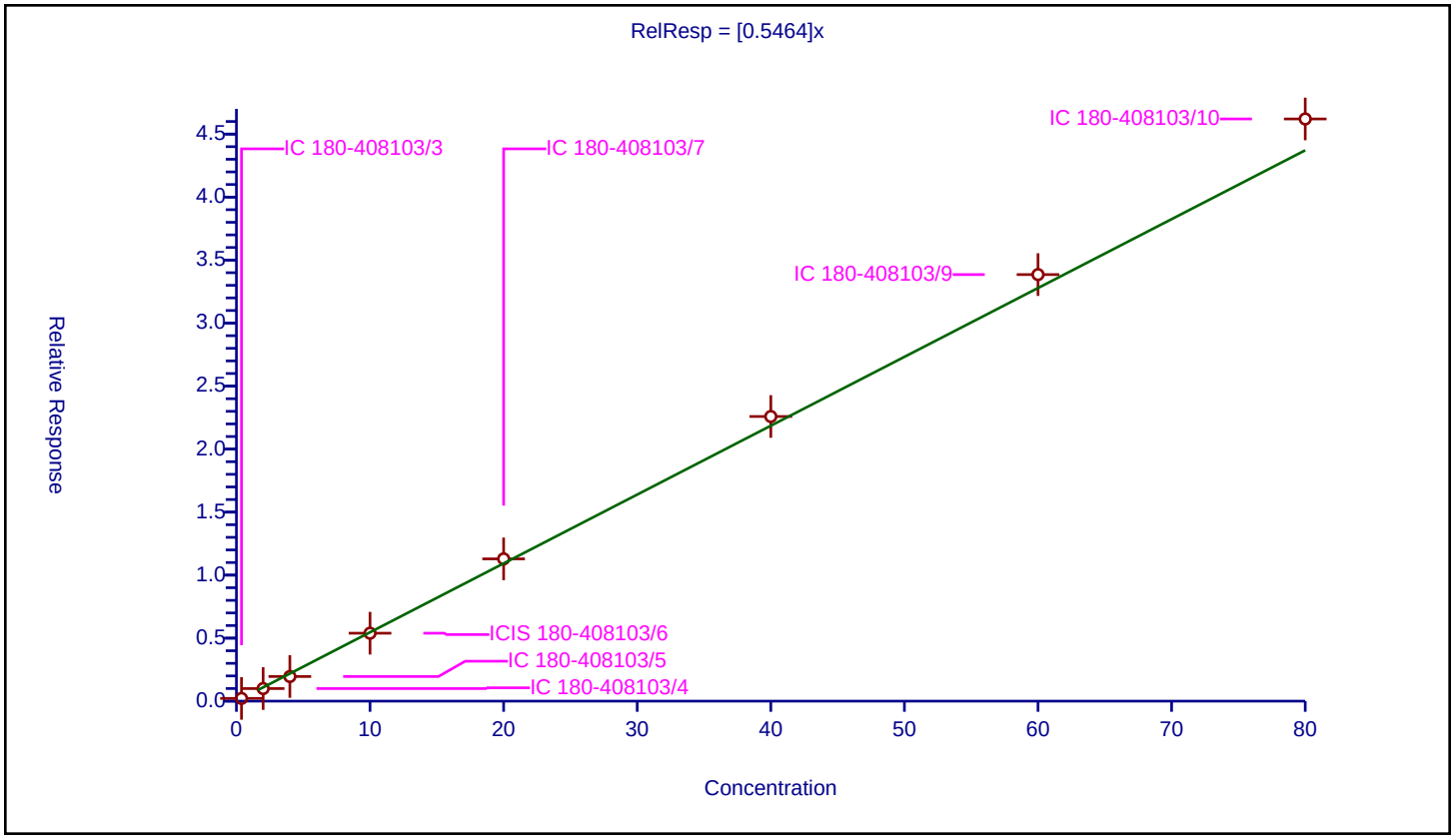
Curve Coefficients

Intercept:	0
Slope:	0.5464

Error Coefficients

Standard Error:	317000
Relative Standard Error:	6.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.217923	8.0	113361.0	0.573482	Y
2	IC 180-408103/4	2.0	0.998509	8.0	106663.0	0.499255	Y
3	IC 180-408103/5	4.0	1.954293	8.0	117751.0	0.488573	Y
4	ICIS 180-408103/6	10.0	5.390757	8.0	97938.0	0.539076	Y
5	IC 180-408103/7	20.0	11.290122	8.0	121666.0	0.564506	Y
6	IC 180-408103/8	40.0	22.588691	8.0	107401.0	0.564717	Y
7	IC 180-408103/9	60.0	33.851515	8.0	103768.0	0.564192	Y
8	IC 180-408103/10	80.0	46.200571	8.0	107523.0	0.577507	Y



Calibration / Acetophenone

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

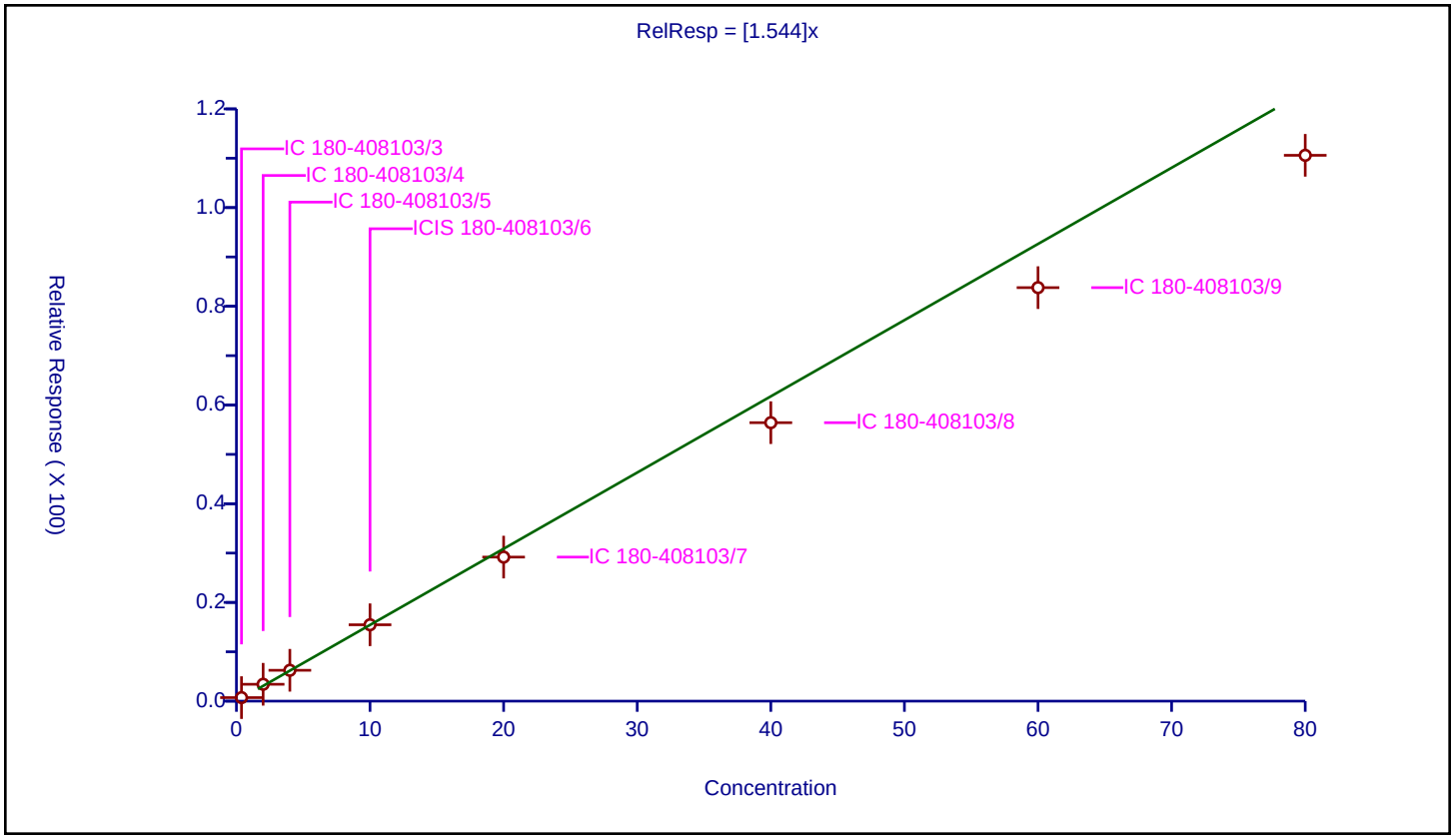
Curve Coefficients

Intercept:	0
Slope:	1.544

Error Coefficients

Standard Error:	775000
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 180-408103/3	0.38	0.715378	8.0	113361.0	1.882574	Y
2	IC 180-408103/4	2.0	3.418318	8.0	106663.0	1.709159	Y
3	IC 180-408103/5	4.0	6.250206	8.0	117751.0	1.562551	Y
4	ICIS 180-408103/6	10.0	15.477139	8.0	97938.0	1.547714	Y
5	IC 180-408103/7	20.0	29.189486	8.0	121666.0	1.459474	Y
6	IC 180-408103/8	40.0	56.424801	8.0	107401.0	1.41062	Y
7	IC 180-408103/9	60.0	83.782129	8.0	103768.0	1.396369	Y
8	IC 180-408103/10	80.0	110.592896	8.0	107523.0	1.382411	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

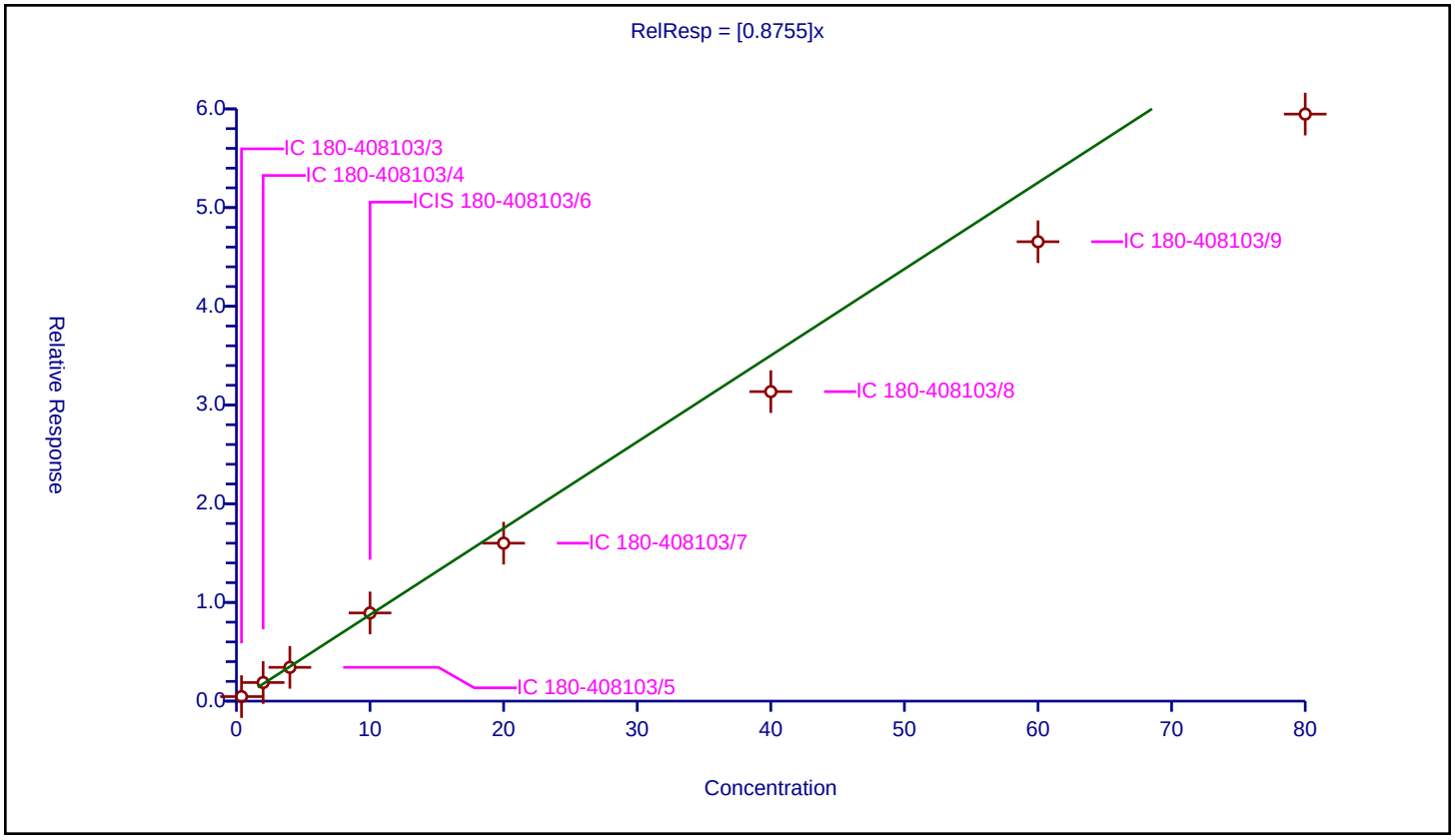
Curve Coefficients

Intercept:	0
Slope:	0.8755

Error Coefficients

Standard Error:	423000
Relative Standard Error:	17.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.45977	8.0	113361.0	1.209921	Y
2	IC 180-408103/4	2.0	1.883615	8.0	106663.0	0.941807	Y
3	IC 180-408103/5	4.0	3.423156	8.0	117751.0	0.855789	Y
4	ICIS 180-408103/6	10.0	8.932182	8.0	97938.0	0.893218	Y
5	IC 180-408103/7	20.0	16.000921	8.0	121666.0	0.800046	Y
6	IC 180-408103/8	40.0	31.356654	8.0	107401.0	0.783916	Y
7	IC 180-408103/9	60.0	46.544214	8.0	103768.0	0.775737	Y
8	IC 180-408103/10	80.0	59.475126	8.0	107523.0	0.743439	Y



Calibration / 4-Methylphenol

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

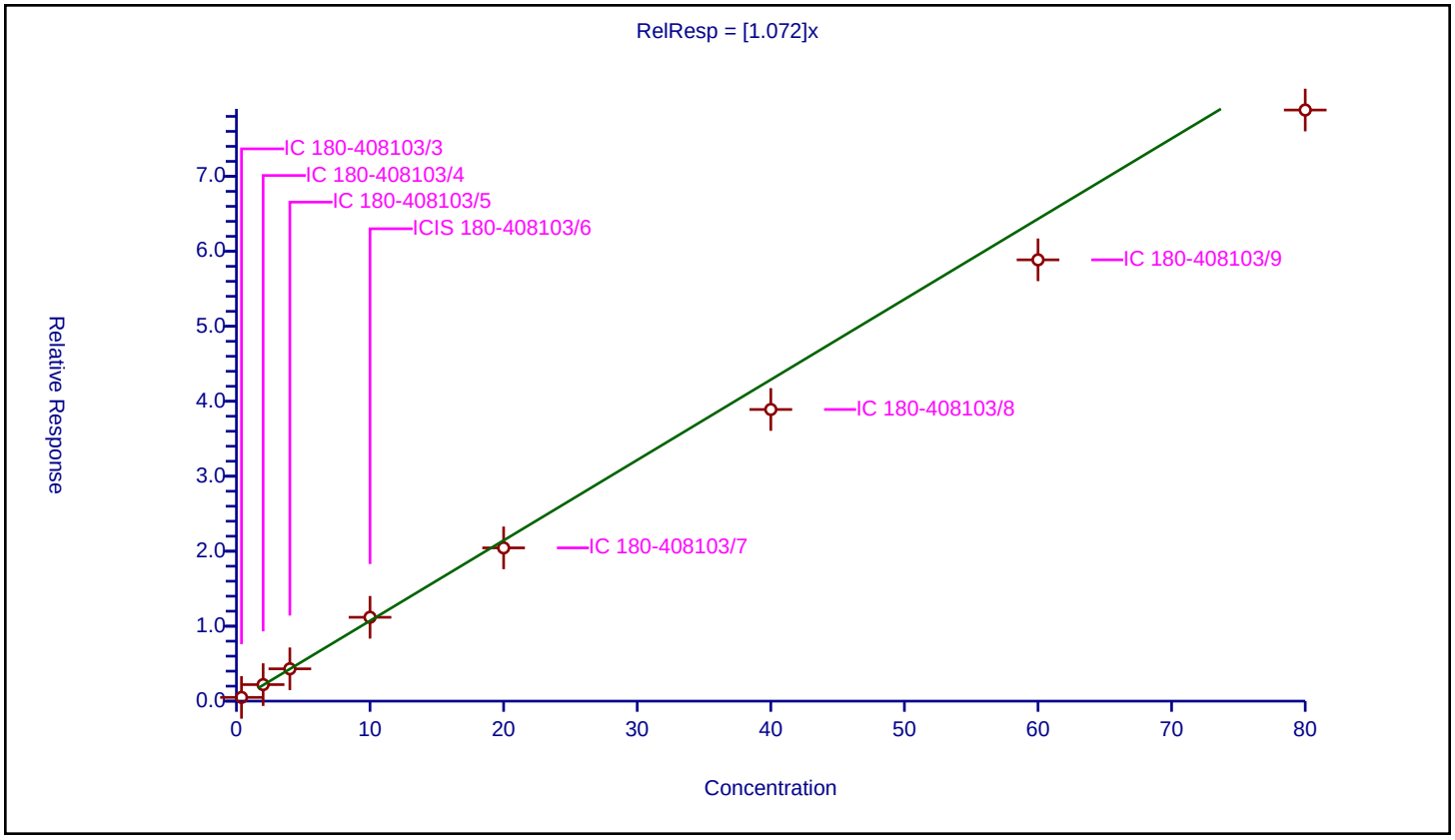
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Standard Error:	548000
Relative Standard Error:	10.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.500207	8.0	113361.0	1.316335	Y
2	IC 180-408103/4	2.0	2.204626	8.0	106663.0	1.102313	Y
3	IC 180-408103/5	4.0	4.310044	8.0	117751.0	1.077511	Y
4	ICIS 180-408103/6	10.0	11.185199	8.0	97938.0	1.11852	Y
5	IC 180-408103/7	20.0	20.443838	8.0	121666.0	1.022192	Y
6	IC 180-408103/8	40.0	38.90407	8.0	107401.0	0.972602	Y
7	IC 180-408103/9	60.0	58.86678	8.0	103768.0	0.981113	Y
8	IC 180-408103/10	80.0	78.852041	8.0	107523.0	0.985651	Y



Calibration / Hexachloroethane

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

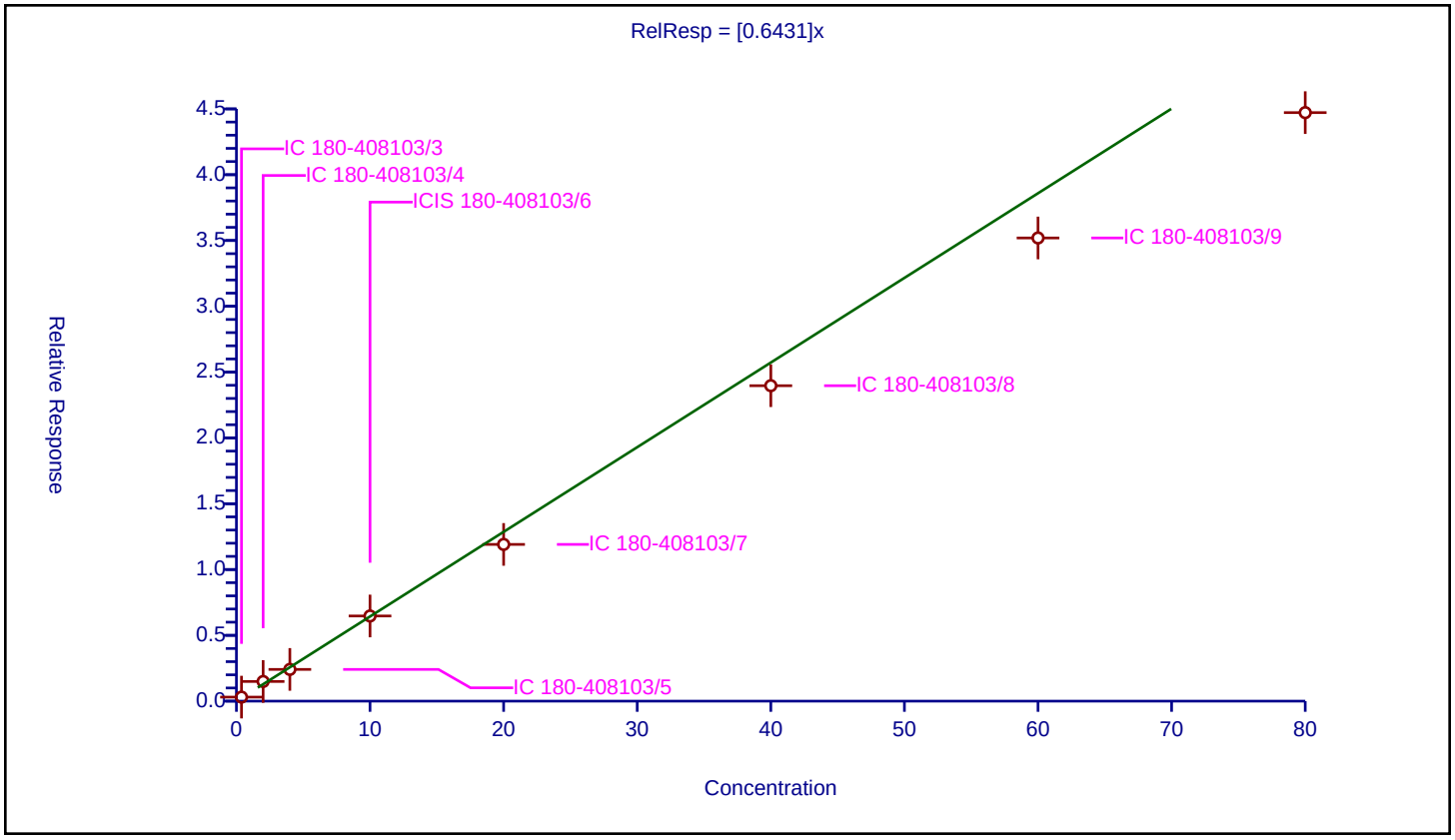
Curve Coefficients

Intercept:	0
Slope:	0.6431

Error Coefficients

Standard Error:	319000
Relative Standard Error:	13.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.306913	8.0	113361.0	0.807667	Y
2	IC 180-408103/4	2.0	1.495101	8.0	106663.0	0.747551	Y
3	IC 180-408103/5	4.0	2.410442	8.0	117751.0	0.602611	Y
4	ICIS 180-408103/6	10.0	6.471278	8.0	97938.0	0.647128	Y
5	IC 180-408103/7	20.0	11.908405	8.0	121666.0	0.59542	Y
6	IC 180-408103/8	40.0	23.967822	8.0	107401.0	0.599196	Y
7	IC 180-408103/9	60.0	35.193509	8.0	103768.0	0.586558	Y
8	IC 180-408103/10	80.0	44.717205	8.0	107523.0	0.558965	Y



Calibration / Nitrobenzene-d5

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

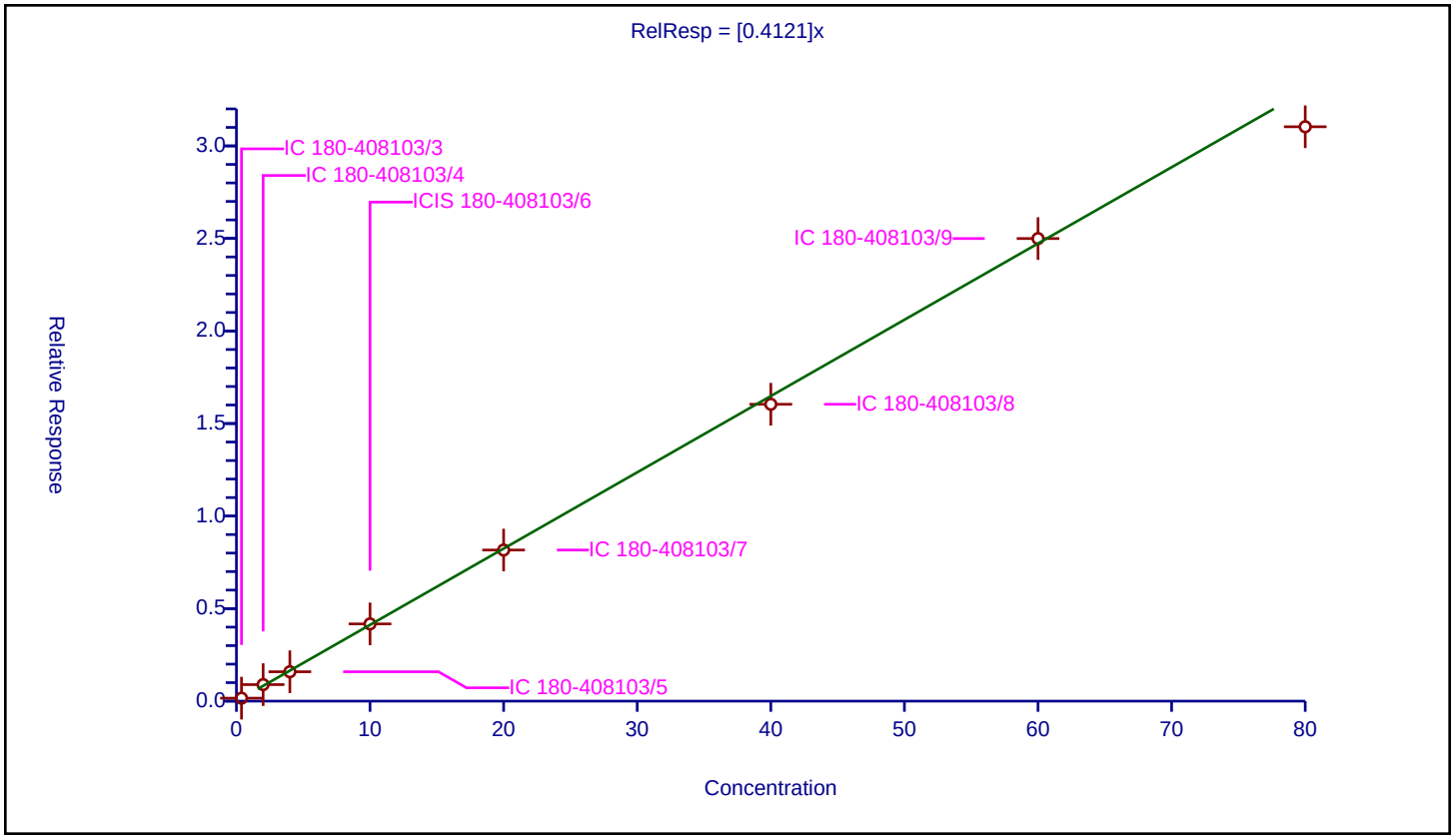
Curve Coefficients

Intercept:	0
Slope:	0.4121

Error Coefficients

Standard Error:	735000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.160412	8.0	399223.0	0.422136	Y
2	IC 180-408103/4	2.0	0.893207	8.0	354847.0	0.446604	Y
3	IC 180-408103/5	4.0	1.588299	8.0	390108.0	0.397075	Y
4	ICIS 180-408103/6	10.0	4.173269	8.0	336678.0	0.417327	Y
5	IC 180-408103/7	20.0	8.164761	8.0	404464.0	0.408238	Y
6	IC 180-408103/8	40.0	16.041138	8.0	354905.0	0.401028	Y
7	IC 180-408103/9	60.0	24.994072	8.0	335211.0	0.416568	Y
8	IC 180-408103/10	80.0	31.034868	8.0	361617.0	0.387936	Y



Calibration / Nitrobenzene

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

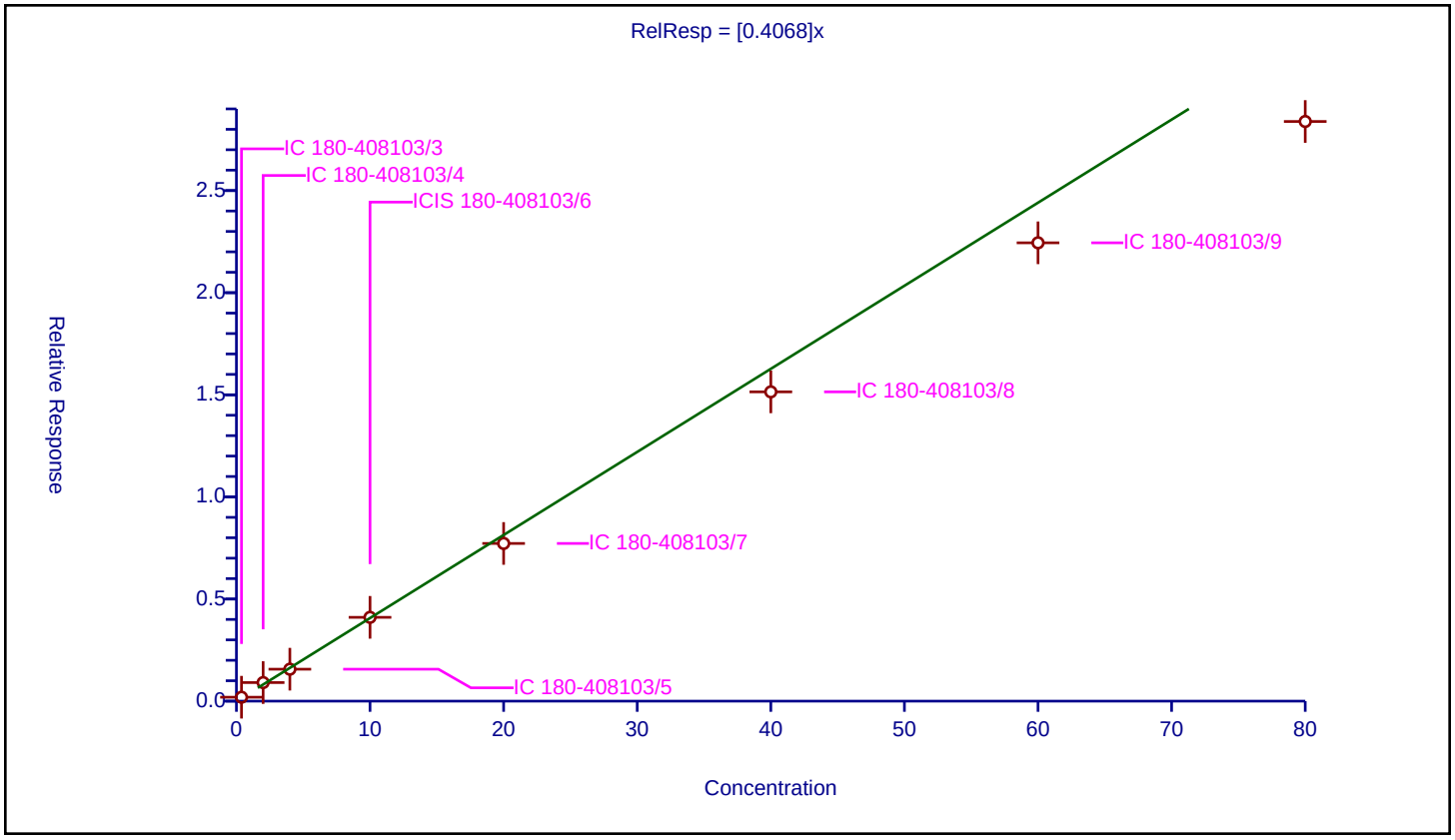
Curve Coefficients

Intercept:	0
Slope:	0.4068

Error Coefficients

Standard Error:	673000
Relative Standard Error:	12.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.191793	8.0	399223.0	0.504717	Y
2	IC 180-408103/4	2.0	0.909395	8.0	354847.0	0.454697	Y
3	IC 180-408103/5	4.0	1.56369	8.0	390108.0	0.390923	Y
4	ICIS 180-408103/6	10.0	4.10322	8.0	336678.0	0.410322	Y
5	IC 180-408103/7	20.0	7.721844	8.0	404464.0	0.386092	Y
6	IC 180-408103/8	40.0	15.145101	8.0	354905.0	0.378628	Y
7	IC 180-408103/9	60.0	22.443297	8.0	335211.0	0.374055	Y
8	IC 180-408103/10	80.0	28.383201	8.0	361617.0	0.35479	Y



Calibration / Isophorone

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

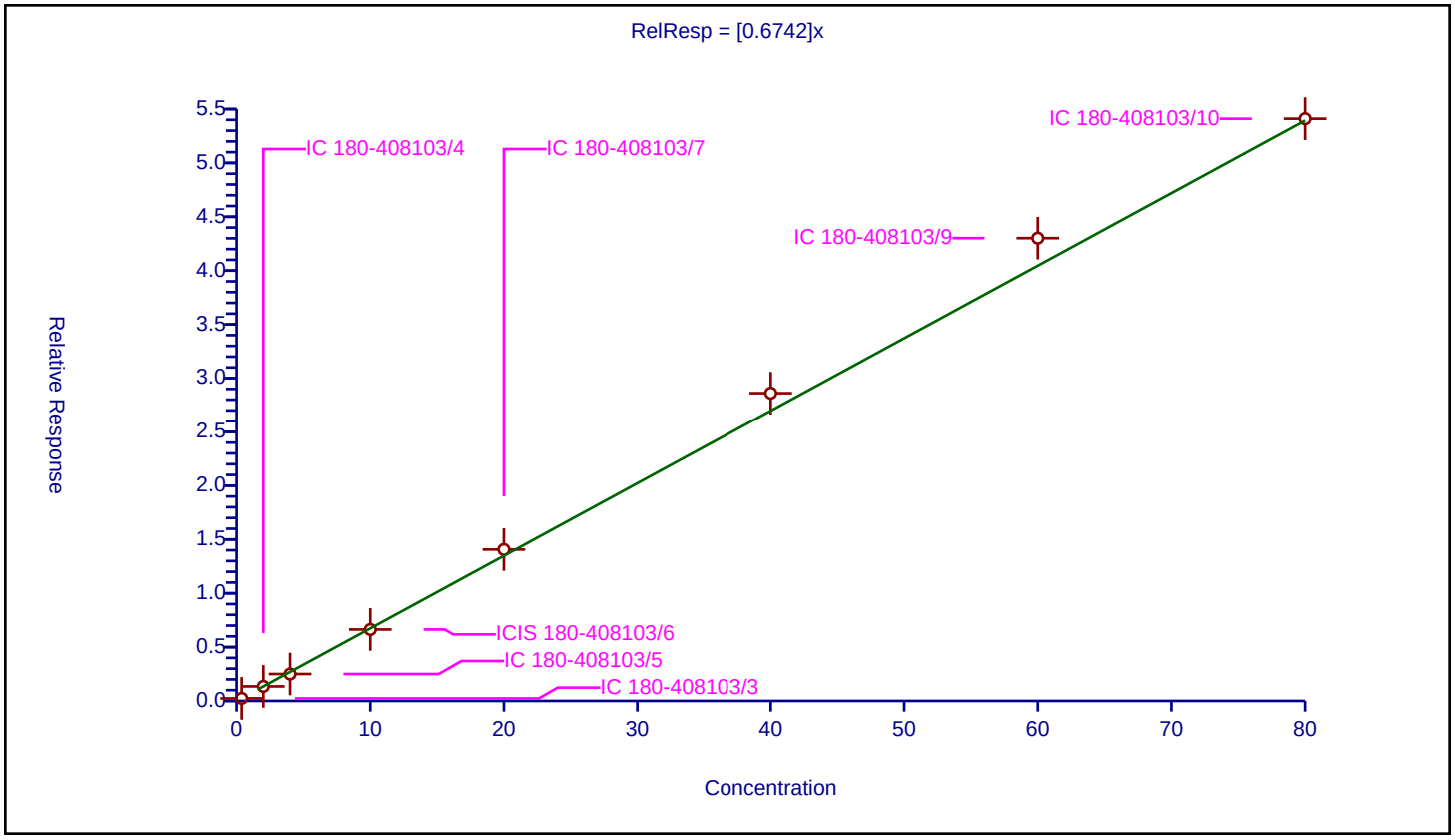
Curve Coefficients

Intercept:	0
Slope:	0.6742

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.235037	8.0	399223.0	0.618517	Y
2	IC 180-408103/4	2.0	1.34848	8.0	354847.0	0.67424	Y
3	IC 180-408103/5	4.0	2.501728	8.0	390108.0	0.625432	Y
4	ICIS 180-408103/6	10.0	6.638676	8.0	336678.0	0.663868	Y
5	IC 180-408103/7	20.0	14.067724	8.0	404464.0	0.703386	Y
6	IC 180-408103/8	40.0	28.606393	8.0	354905.0	0.71516	Y
7	IC 180-408103/9	60.0	43.016082	8.0	335211.0	0.716935	Y
8	IC 180-408103/10	80.0	54.108009	8.0	361617.0	0.67635	Y



Calibration / 2-Nitrophenol

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

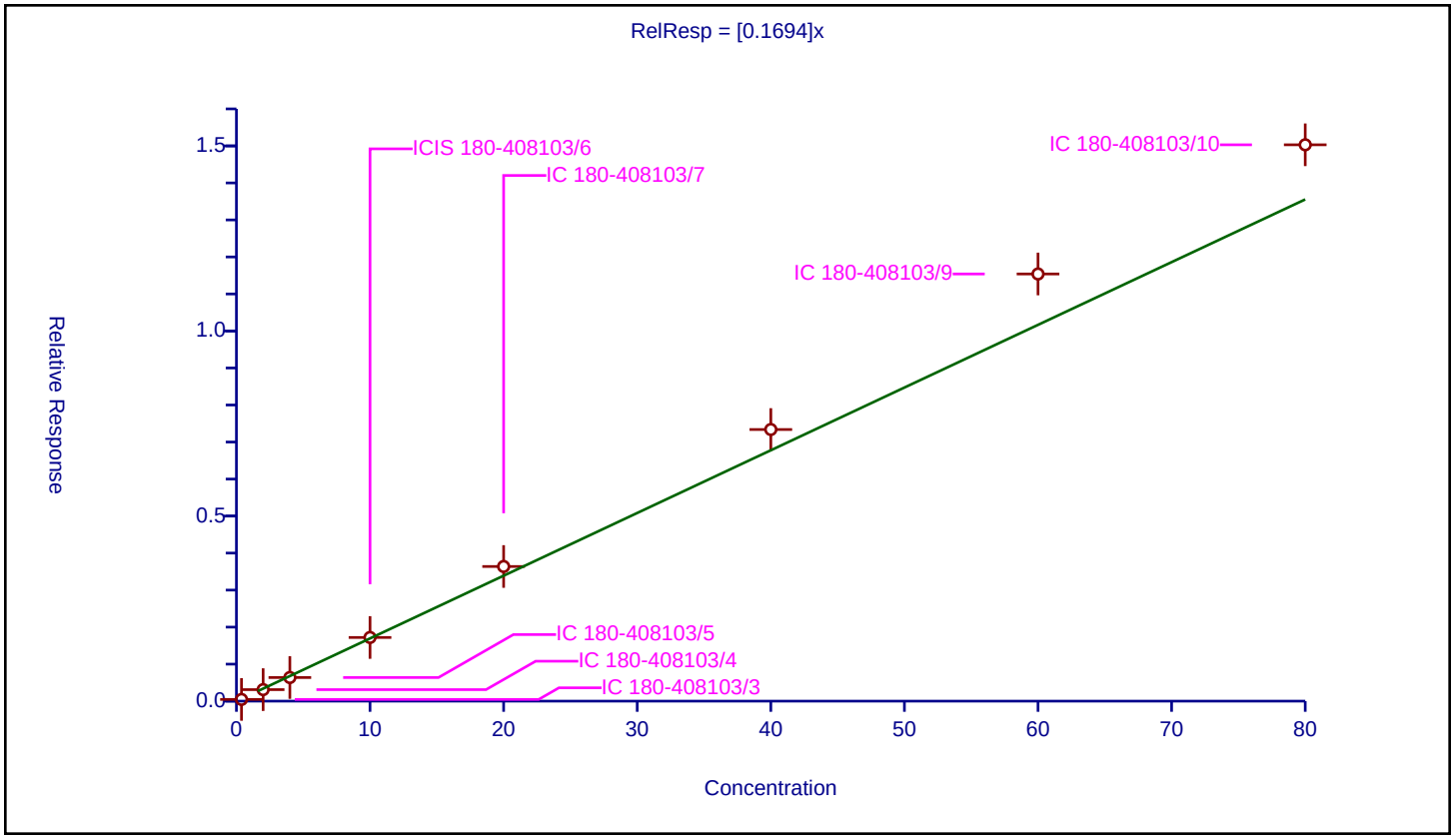
Curve Coefficients

Intercept:	0
Slope:	0.1694

Error Coefficients

Standard Error:	347000
Relative Standard Error:	13.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.046671	8.0	399223.0	0.122818	Y
2	IC 180-408103/4	2.0	0.311143	8.0	354847.0	0.155571	Y
3	IC 180-408103/5	4.0	0.637916	8.0	390108.0	0.159479	Y
4	ICIS 180-408103/6	10.0	1.720267	8.0	336678.0	0.172027	Y
5	IC 180-408103/7	20.0	3.637288	8.0	404464.0	0.181864	Y
6	IC 180-408103/8	40.0	7.338302	8.0	354905.0	0.183458	Y
7	IC 180-408103/9	60.0	11.539979	8.0	335211.0	0.192333	Y
8	IC 180-408103/10	80.0	15.030333	8.0	361617.0	0.187879	Y



Calibration / 2,4-Dimethylphenol

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

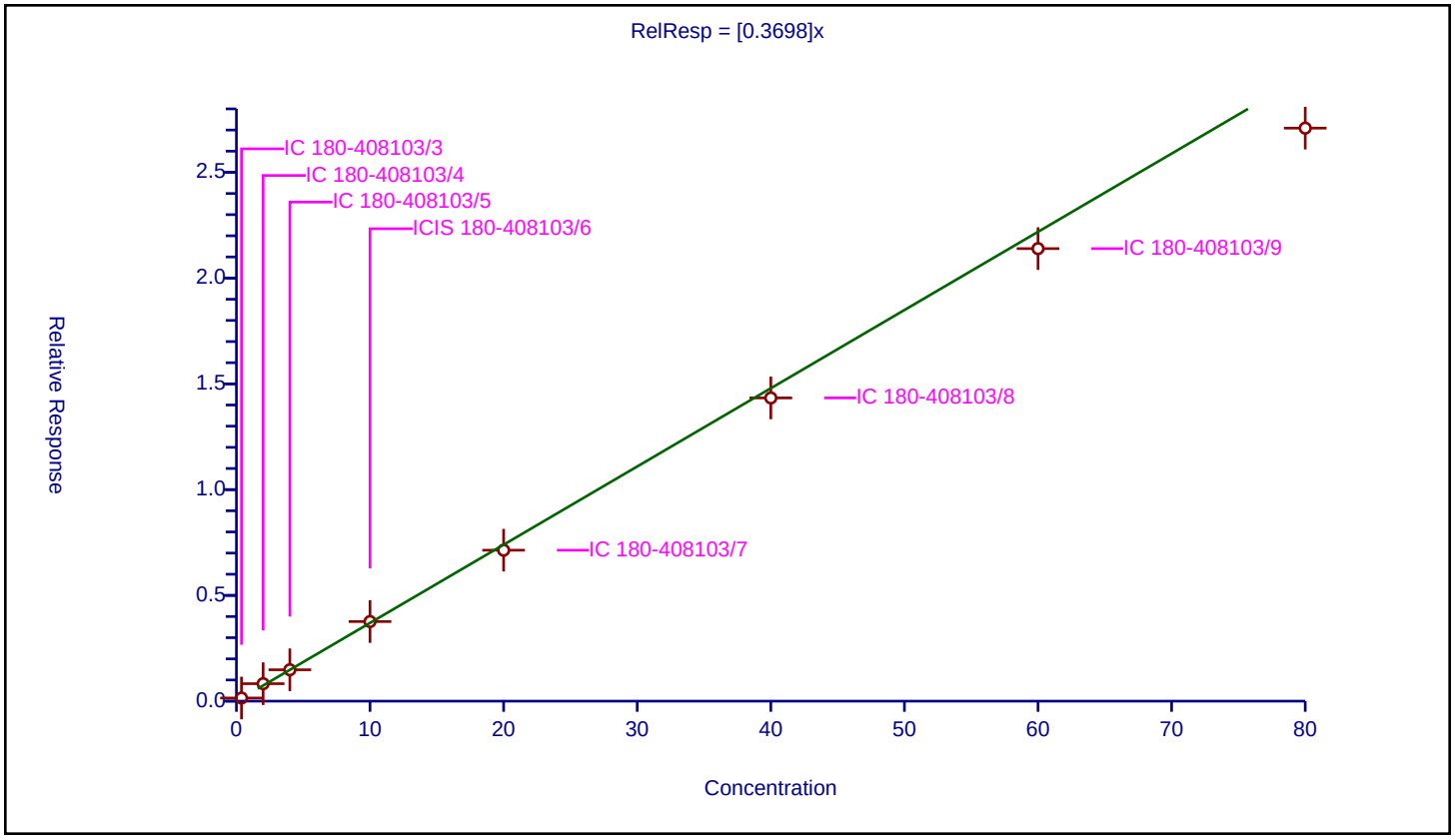
Curve Coefficients

Intercept:	0
Slope:	0.3698

Error Coefficients

Standard Error:	640000
Relative Standard Error:	6.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.147486	8.0	399223.0	0.388122	Y
2	IC 180-408103/4	2.0	0.82564	8.0	354847.0	0.41282	Y
3	IC 180-408103/5	4.0	1.482912	8.0	390108.0	0.370728	Y
4	ICIS 180-408103/6	10.0	3.763145	8.0	336678.0	0.376314	Y
5	IC 180-408103/7	20.0	7.136398	8.0	404464.0	0.35682	Y
6	IC 180-408103/8	40.0	14.335171	8.0	354905.0	0.358379	Y
7	IC 180-408103/9	60.0	21.393737	8.0	335211.0	0.356562	Y
8	IC 180-408103/10	80.0	27.089501	8.0	361617.0	0.338619	Y



Calibration / Benzoic acid

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

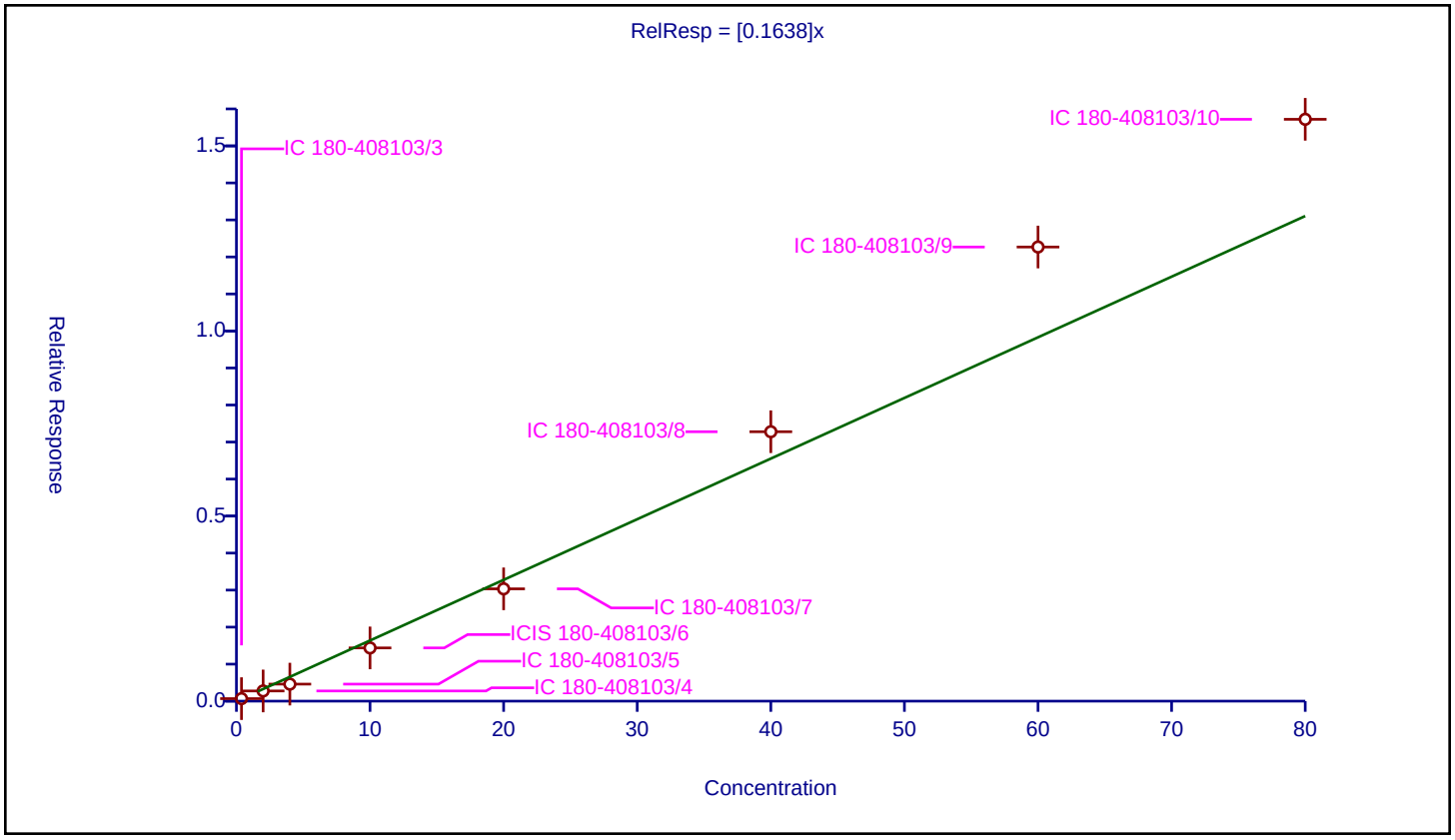
Curve Coefficients

Intercept:	0
Slope:	0.1638

Error Coefficients

Standard Error:	359000
Relative Standard Error:	19.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.068172	8.0	399223.0	0.179401	Y
2	IC 180-408103/4	2.0	0.275409	8.0	354847.0	0.137704	Y
3	IC 180-408103/5	4.0	0.459873	8.0	390108.0	0.114968	Y
4	ICIS 180-408103/6	10.0	1.438051	8.0	336678.0	0.143805	Y
5	IC 180-408103/7	20.0	3.034198	8.0	404464.0	0.15171	Y
6	IC 180-408103/8	40.0	7.278387	8.0	354905.0	0.18196	Y
7	IC 180-408103/9	60.0	12.26881	8.0	335211.0	0.20448	Y
8	IC 180-408103/10	80.0	15.718686	8.0	361617.0	0.196484	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

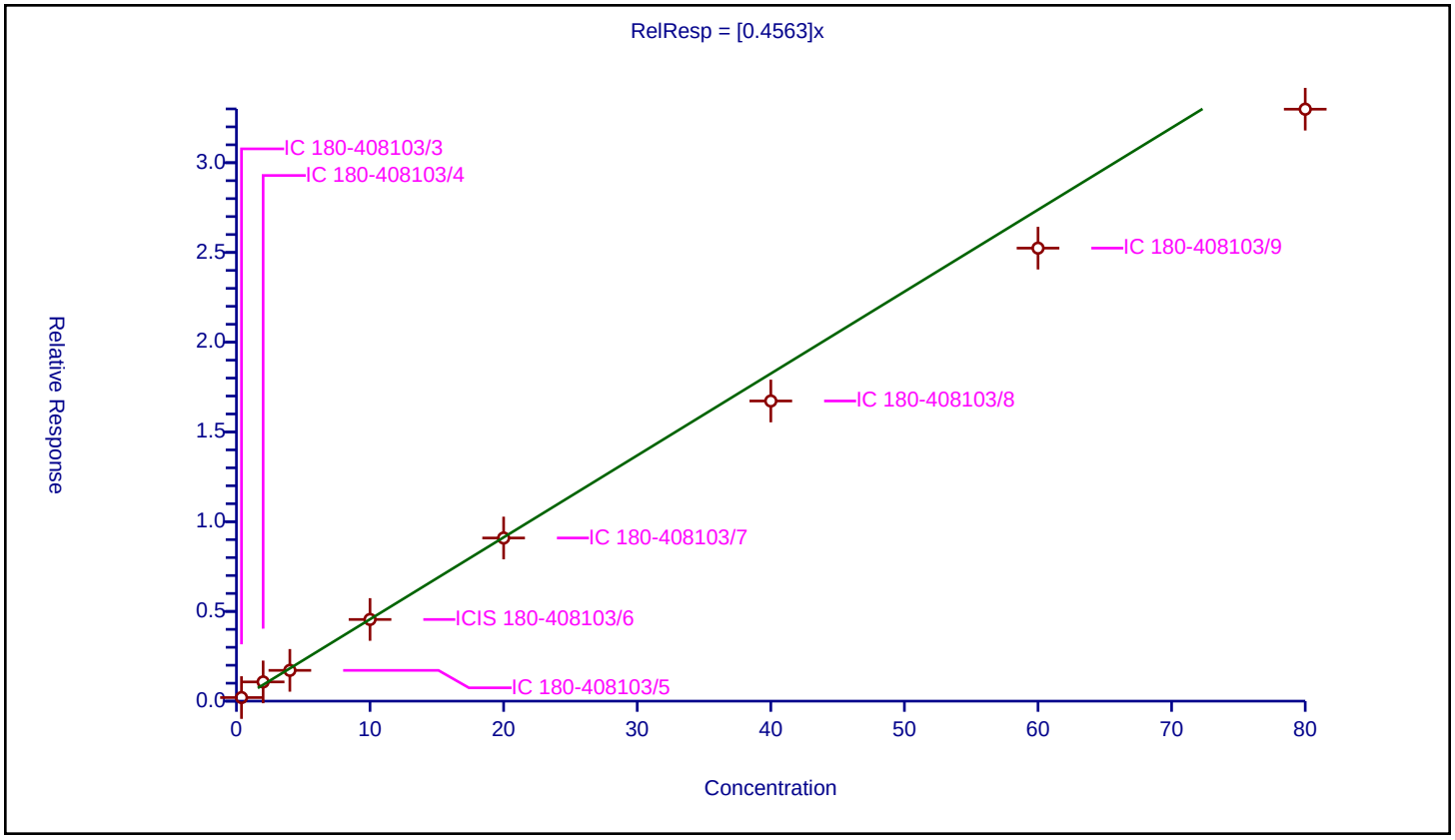
Curve Coefficients

Intercept:	0
Slope:	0.4563

Error Coefficients

Standard Error:	770000
Relative Standard Error:	10.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.199868	8.0	399223.0	0.525969	Y
2	IC 180-408103/4	2.0	1.070388	8.0	354847.0	0.535194	Y
3	IC 180-408103/5	4.0	1.71532	8.0	390108.0	0.42883	Y
4	ICIS 180-408103/6	10.0	4.551007	8.0	336678.0	0.455101	Y
5	IC 180-408103/7	20.0	9.090352	8.0	404464.0	0.454518	Y
6	IC 180-408103/8	40.0	16.72407	8.0	354905.0	0.418102	Y
7	IC 180-408103/9	60.0	25.242107	8.0	335211.0	0.420702	Y
8	IC 180-408103/10	80.0	32.982941	8.0	361617.0	0.412287	Y



Calibration / 2,4-Dichlorophenol

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

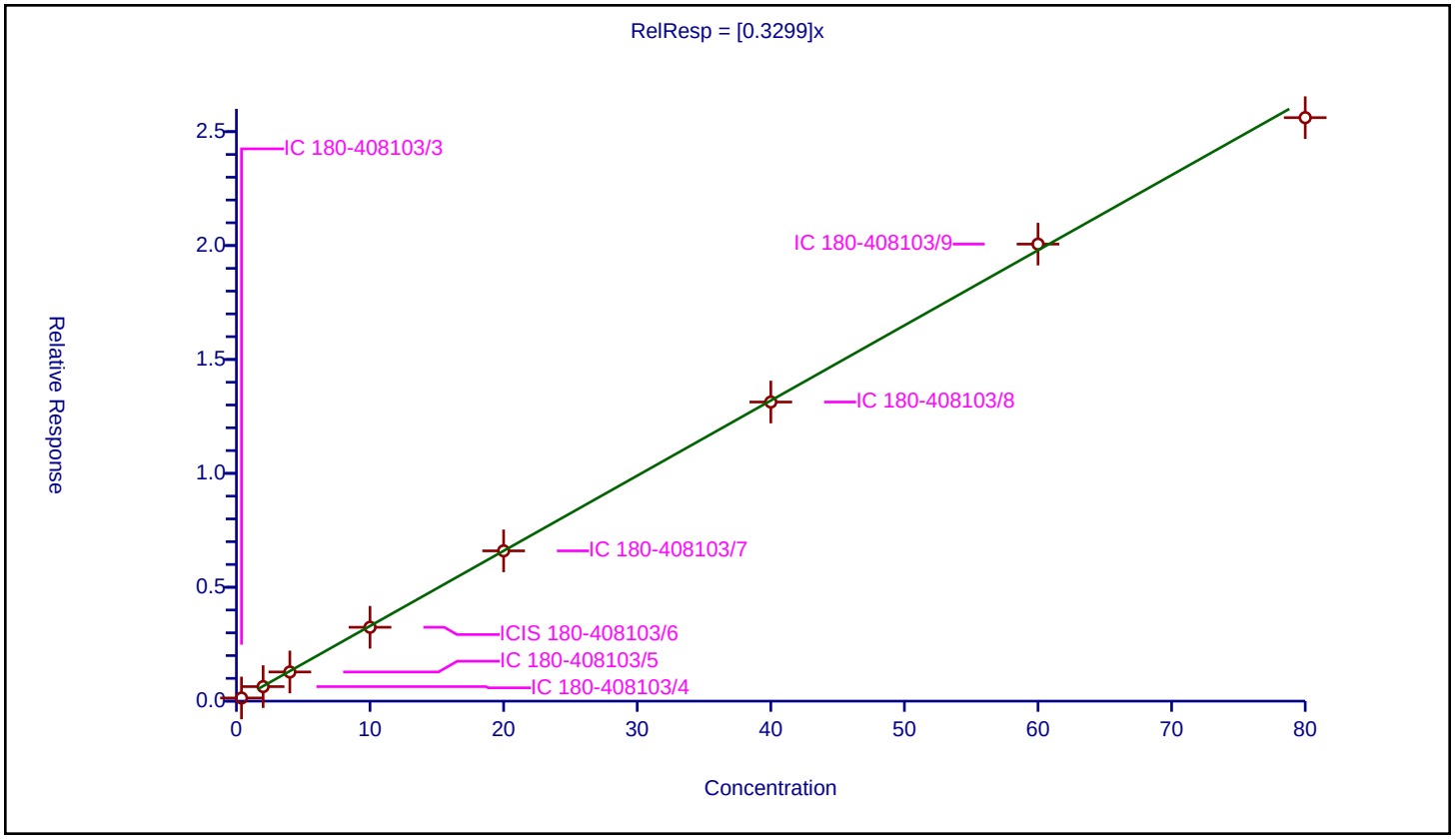
Curve Coefficients

Intercept:	0
Slope:	0.3299

Error Coefficients

Standard Error:	600000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.138048	8.0	399223.0	0.363285	Y
2	IC 180-408103/4	2.0	0.637571	8.0	354847.0	0.318785	Y
3	IC 180-408103/5	4.0	1.280609	8.0	390108.0	0.320152	Y
4	ICIS 180-408103/6	10.0	3.242433	8.0	336678.0	0.324243	Y
5	IC 180-408103/7	20.0	6.597314	8.0	404464.0	0.329866	Y
6	IC 180-408103/8	40.0	13.131289	8.0	354905.0	0.328282	Y
7	IC 180-408103/9	60.0	20.063566	8.0	335211.0	0.334393	Y
8	IC 180-408103/10	80.0	25.61488	8.0	361617.0	0.320186	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

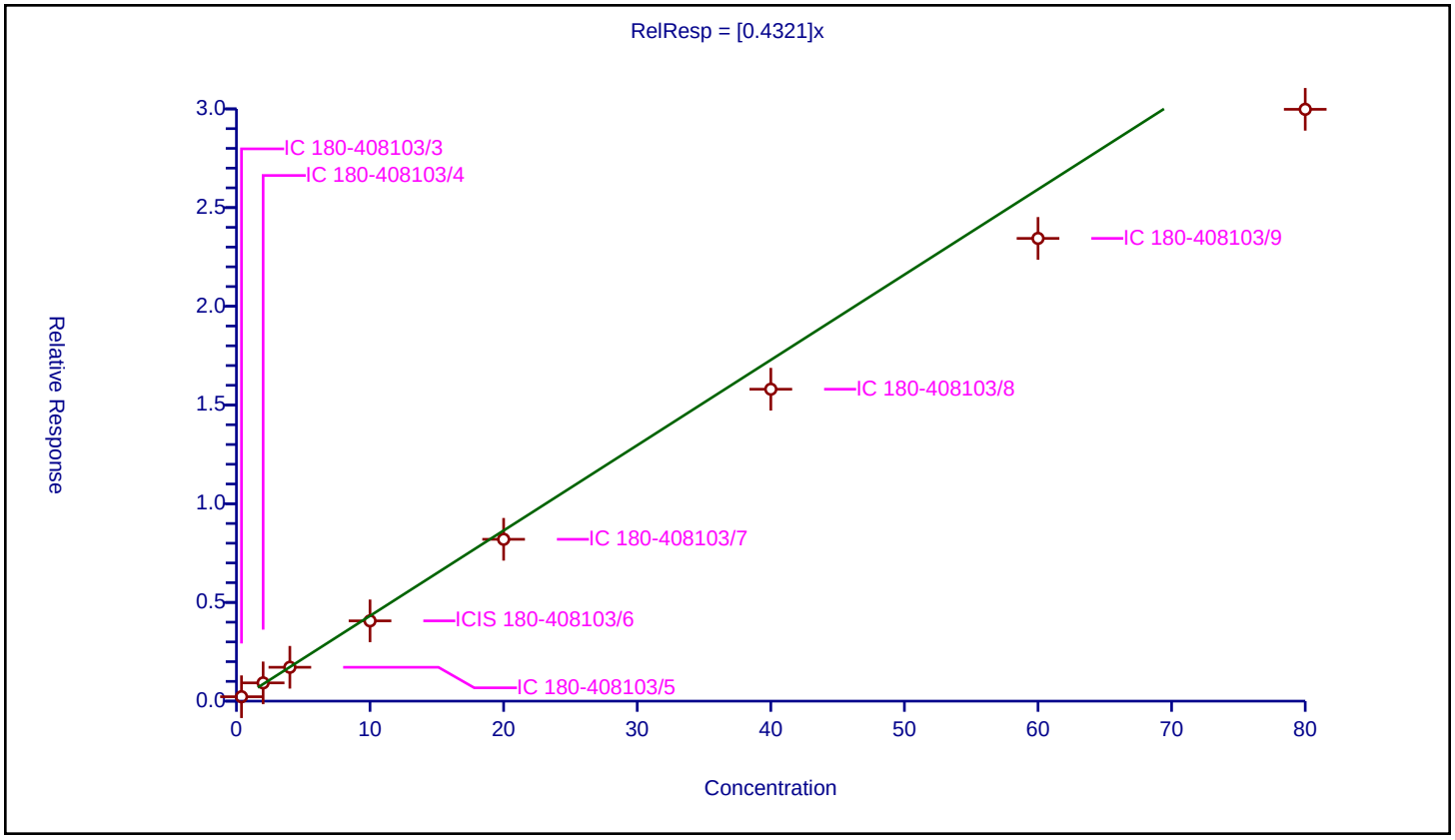
Curve Coefficients

Intercept:	0
Slope:	0.4321

Error Coefficients

Standard Error:	707000
Relative Standard Error:	15.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.223594	8.0	399223.0	0.588406	Y
2	IC 180-408103/4	2.0	0.924951	8.0	354847.0	0.462475	Y
3	IC 180-408103/5	4.0	1.715115	8.0	390108.0	0.428779	Y
4	ICIS 180-408103/6	10.0	4.066723	8.0	336678.0	0.406672	Y
5	IC 180-408103/7	20.0	8.197417	8.0	404464.0	0.409871	Y
6	IC 180-408103/8	40.0	15.800172	8.0	354905.0	0.395004	Y
7	IC 180-408103/9	60.0	23.440376	8.0	335211.0	0.390673	Y
8	IC 180-408103/10	80.0	29.977905	8.0	361617.0	0.374724	Y



Calibration / Naphthalene

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

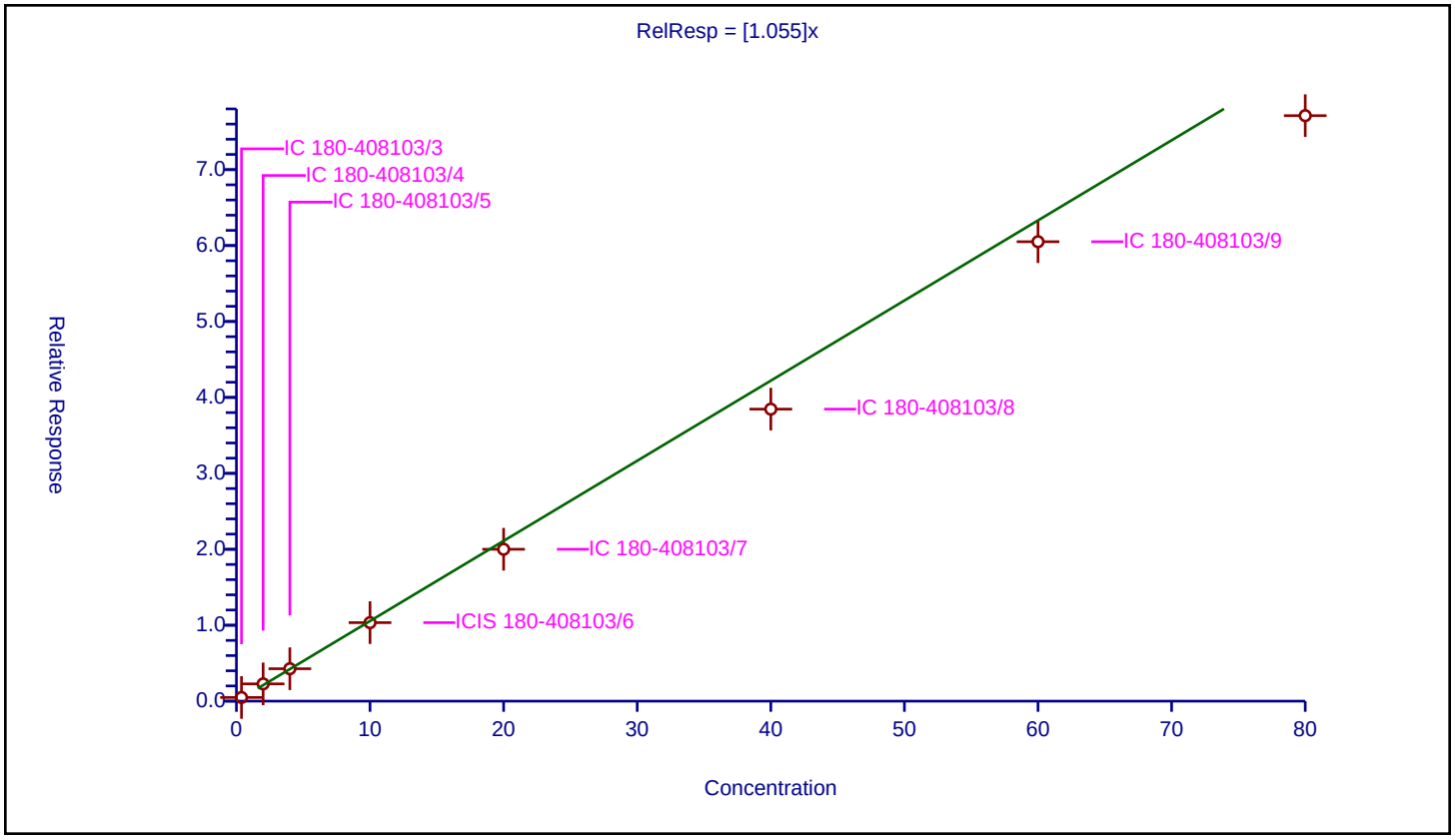
Curve Coefficients

Intercept:	0
Slope:	1.055

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.482197	8.0	399223.0	1.268939	Y
2	IC 180-408103/4	2.0	2.275572	8.0	354847.0	1.137786	Y
3	IC 180-408103/5	4.0	4.267946	8.0	390108.0	1.066987	Y
4	ICIS 180-408103/6	10.0	10.340753	8.0	336678.0	1.034075	Y
5	IC 180-408103/7	20.0	20.002472	8.0	404464.0	1.000124	Y
6	IC 180-408103/8	40.0	38.456804	8.0	354905.0	0.96142	Y
7	IC 180-408103/9	60.0	60.508492	8.0	335211.0	1.008475	Y
8	IC 180-408103/10	80.0	77.107503	8.0	361617.0	0.963844	Y



Calibration / 4-Chloroaniline

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

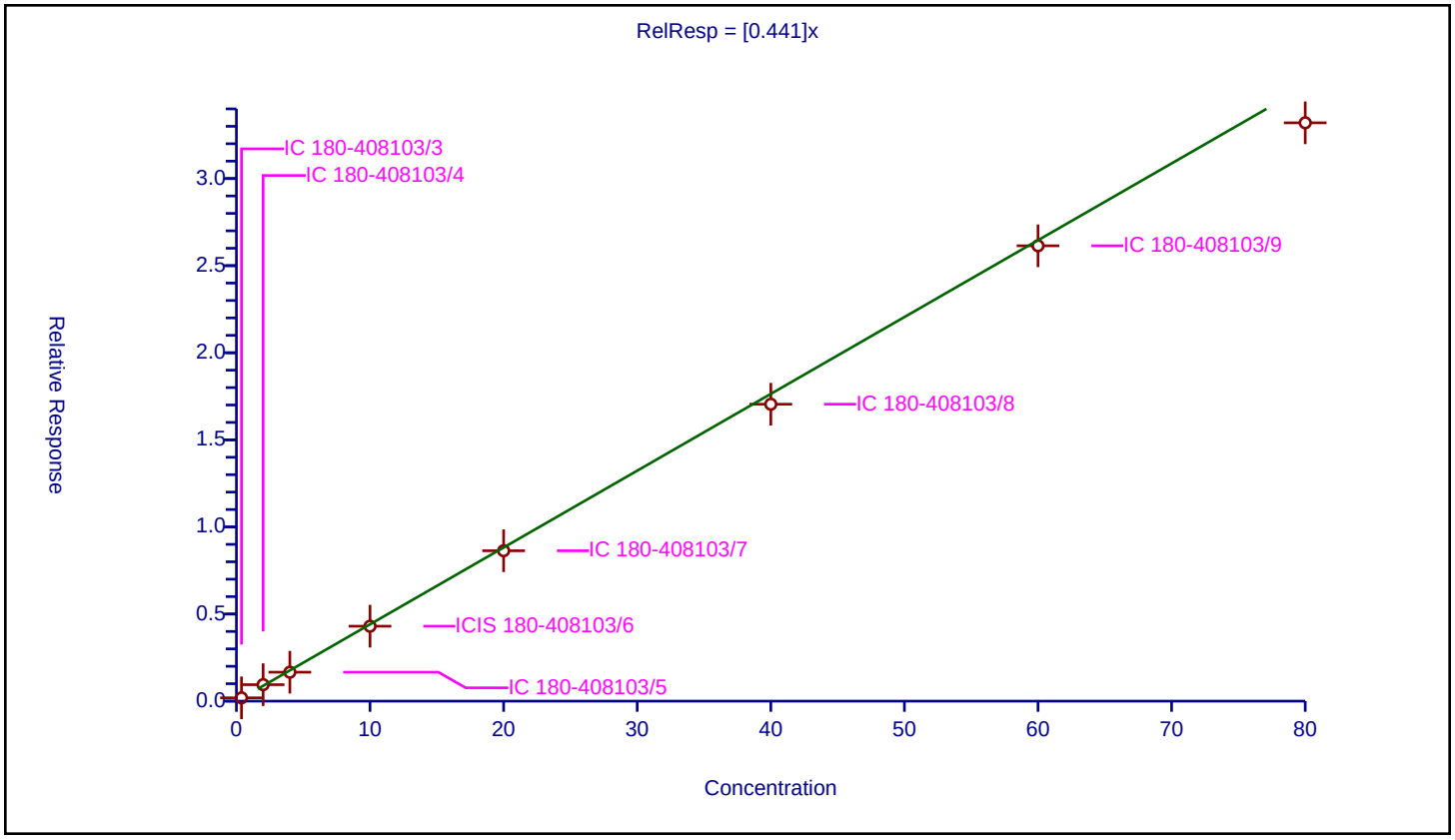
Curve Coefficients

Intercept:	0
Slope:	0.441

Error Coefficients

Standard Error:	780000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.19049	8.0	399223.0	0.50129	Y
2	IC 180-408103/4	2.0	0.945241	8.0	354847.0	0.472621	Y
3	IC 180-408103/5	4.0	1.661017	8.0	390108.0	0.415254	Y
4	ICIS 180-408103/6	10.0	4.301796	8.0	336678.0	0.43018	Y
5	IC 180-408103/7	20.0	8.633431	8.0	404464.0	0.431672	Y
6	IC 180-408103/8	40.0	17.046815	8.0	354905.0	0.42617	Y
7	IC 180-408103/9	60.0	26.140932	8.0	335211.0	0.435682	Y
8	IC 180-408103/10	80.0	33.200917	8.0	361617.0	0.415011	Y



Calibration / 2,6-Dichlorophenol

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

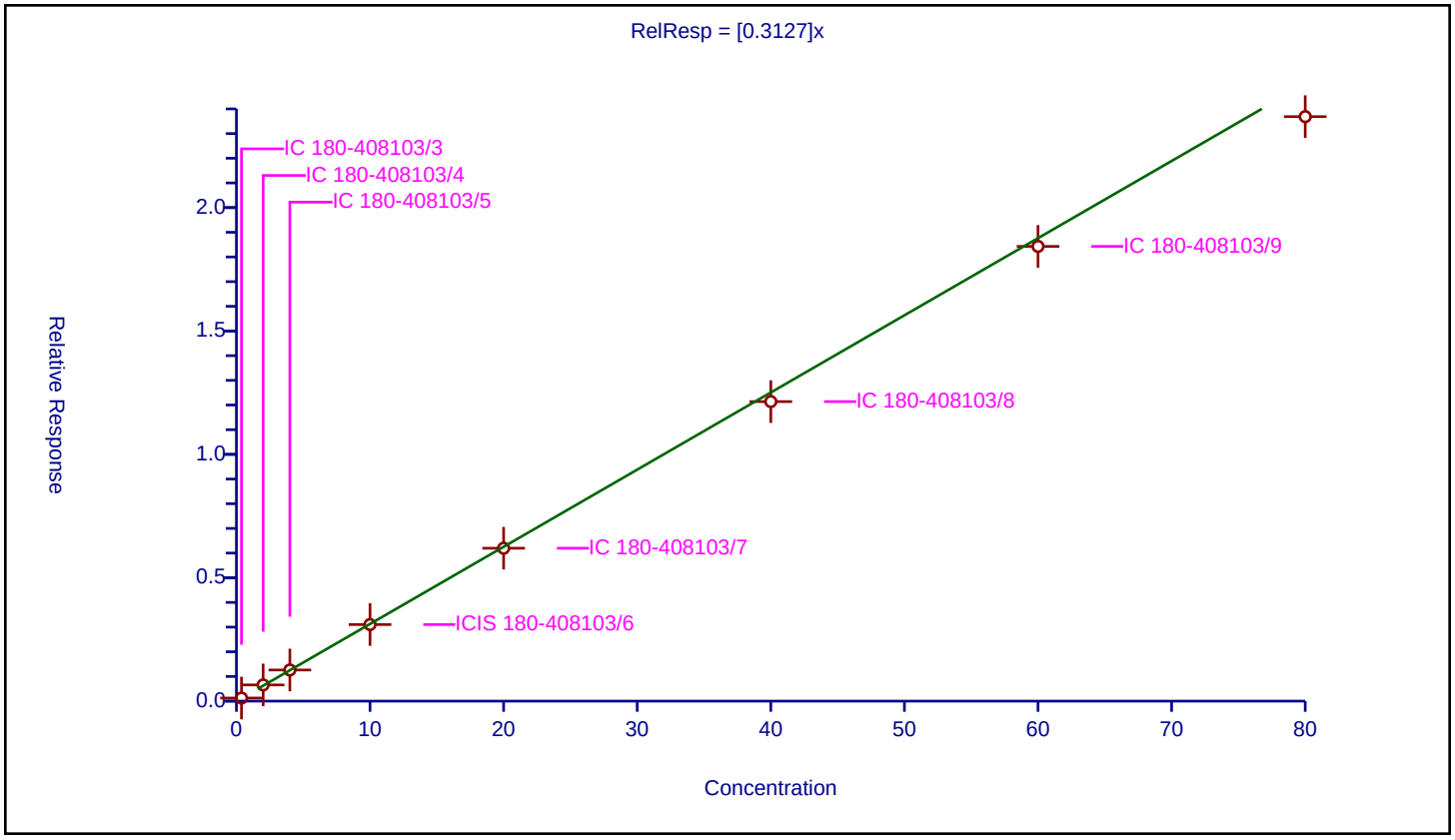
Curve Coefficients

Intercept:	0
Slope:	0.3127

Error Coefficients

Standard Error:	554000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.125684	8.0	399223.0	0.330748	Y
2	IC 180-408103/4	2.0	0.656756	8.0	354847.0	0.328378	Y
3	IC 180-408103/5	4.0	1.262235	8.0	390108.0	0.315559	Y
4	ICIS 180-408103/6	10.0	3.103595	8.0	336678.0	0.310359	Y
5	IC 180-408103/7	20.0	6.197318	8.0	404464.0	0.309866	Y
6	IC 180-408103/8	40.0	12.138392	8.0	354905.0	0.30346	Y
7	IC 180-408103/9	60.0	18.427581	8.0	335211.0	0.307126	Y
8	IC 180-408103/10	80.0	23.685612	8.0	361617.0	0.29607	Y



Calibration / Hexachlorobutadiene

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

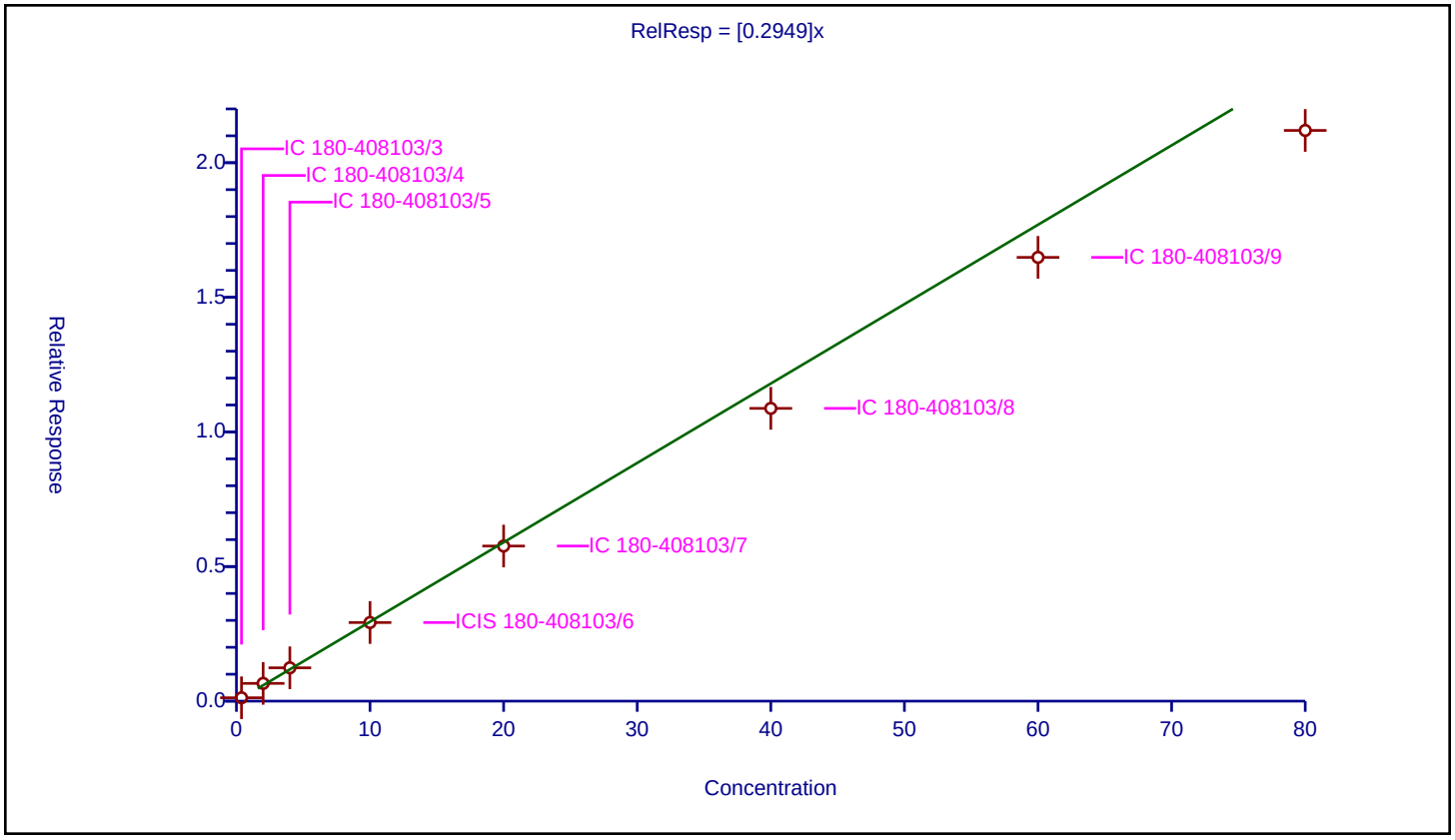
Curve Coefficients

Intercept:	0
Slope:	0.2949

Error Coefficients

Standard Error:	498000
Relative Standard Error:	8.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.124762	8.0	399223.0	0.328322	Y
2	IC 180-408103/4	2.0	0.6598	8.0	354847.0	0.3299	Y
3	IC 180-408103/5	4.0	1.238057	8.0	390108.0	0.309514	Y
4	ICIS 180-408103/6	10.0	2.920464	8.0	336678.0	0.292046	Y
5	IC 180-408103/7	20.0	5.761581	8.0	404464.0	0.288079	Y
6	IC 180-408103/8	40.0	10.875834	8.0	354905.0	0.271896	Y
7	IC 180-408103/9	60.0	16.484662	8.0	335211.0	0.274744	Y
8	IC 180-408103/10	80.0	21.199866	8.0	361617.0	0.264998	Y



Calibration / Caprolactam

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

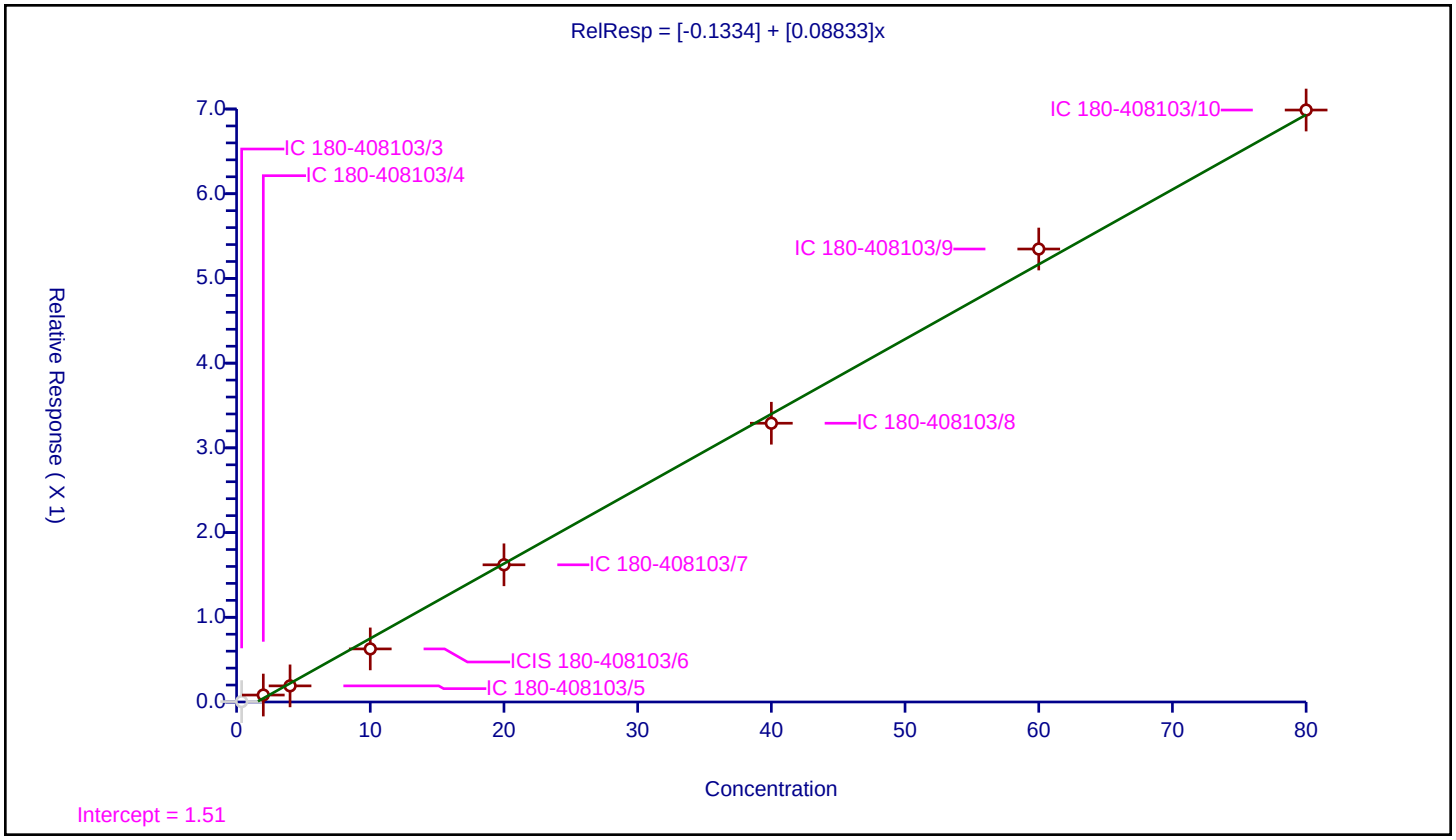
Curve Coefficients

Intercept:	-0.1334
Slope:	0.08833

Error Coefficients

Standard Error:	189000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.004649	8.0	399223.0	0.012234	N
2	IC 180-408103/4	2.0	0.082018	8.0	354847.0	0.041009	Y
3	IC 180-408103/5	4.0	0.190306	8.0	390108.0	0.047577	Y
4	ICIS 180-408103/6	10.0	0.626712	8.0	336678.0	0.062671	Y
5	IC 180-408103/7	20.0	1.619585	8.0	404464.0	0.080979	Y
6	IC 180-408103/8	40.0	3.290751	8.0	354905.0	0.082269	Y
7	IC 180-408103/9	60.0	5.347199	8.0	335211.0	0.08912	Y
8	IC 180-408103/10	80.0	6.988012	8.0	361617.0	0.08735	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

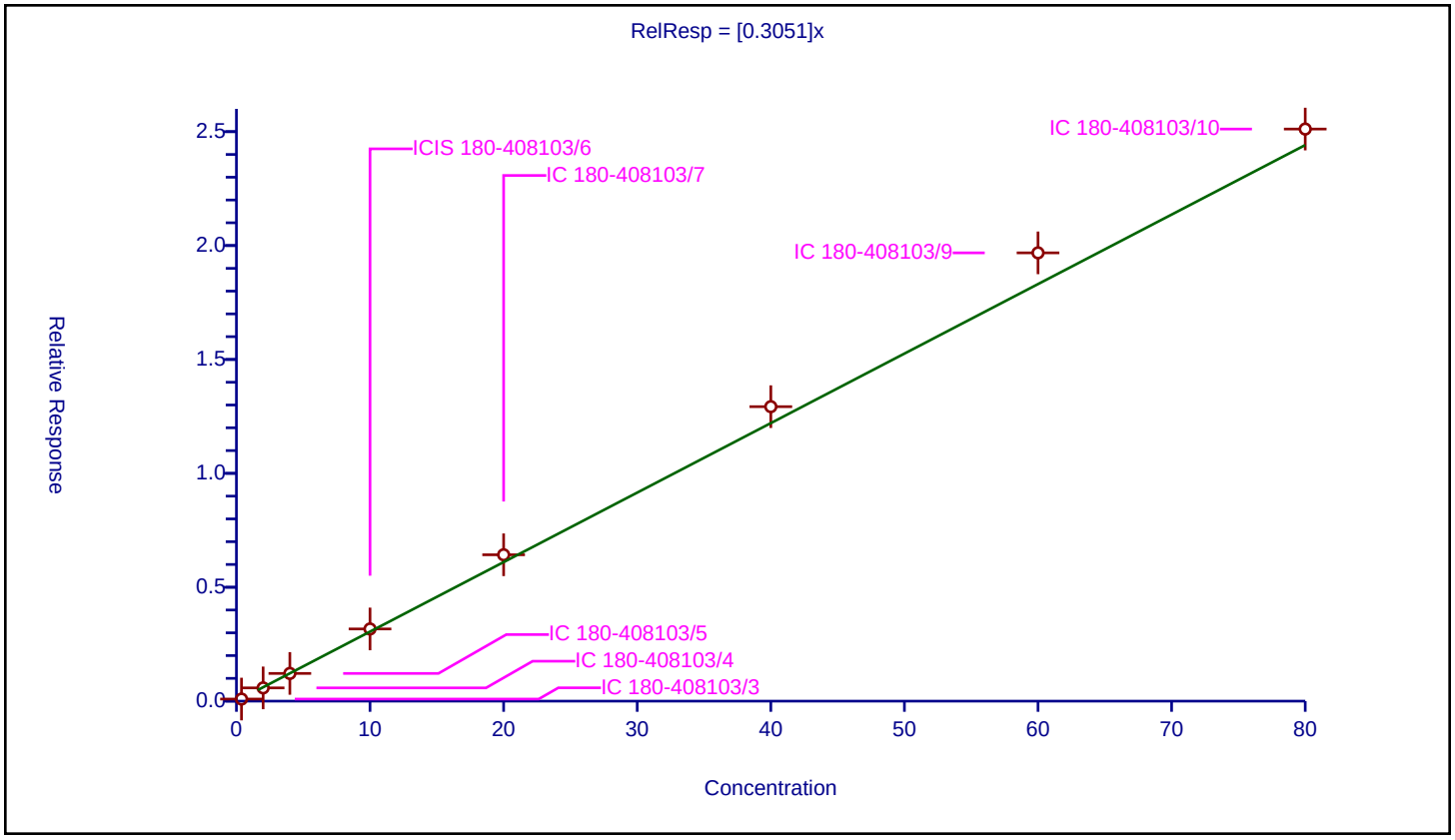
Curve Coefficients

Intercept:	0
Slope:	0.3051

Error Coefficients

Standard Error:	589000
Relative Standard Error:	9.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.092259	8.0	399223.0	0.242787	Y
2	IC 180-408103/4	2.0	0.581862	8.0	354847.0	0.290931	Y
3	IC 180-408103/5	4.0	1.216422	8.0	390108.0	0.304106	Y
4	ICIS 180-408103/6	10.0	3.169462	8.0	336678.0	0.316946	Y
5	IC 180-408103/7	20.0	6.425373	8.0	404464.0	0.321269	Y
6	IC 180-408103/8	40.0	12.927358	8.0	354905.0	0.323184	Y
7	IC 180-408103/9	60.0	19.68007	8.0	335211.0	0.328001	Y
8	IC 180-408103/10	80.0	25.114439	8.0	361617.0	0.31393	Y



Calibration / 2-Methylnaphthalene

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

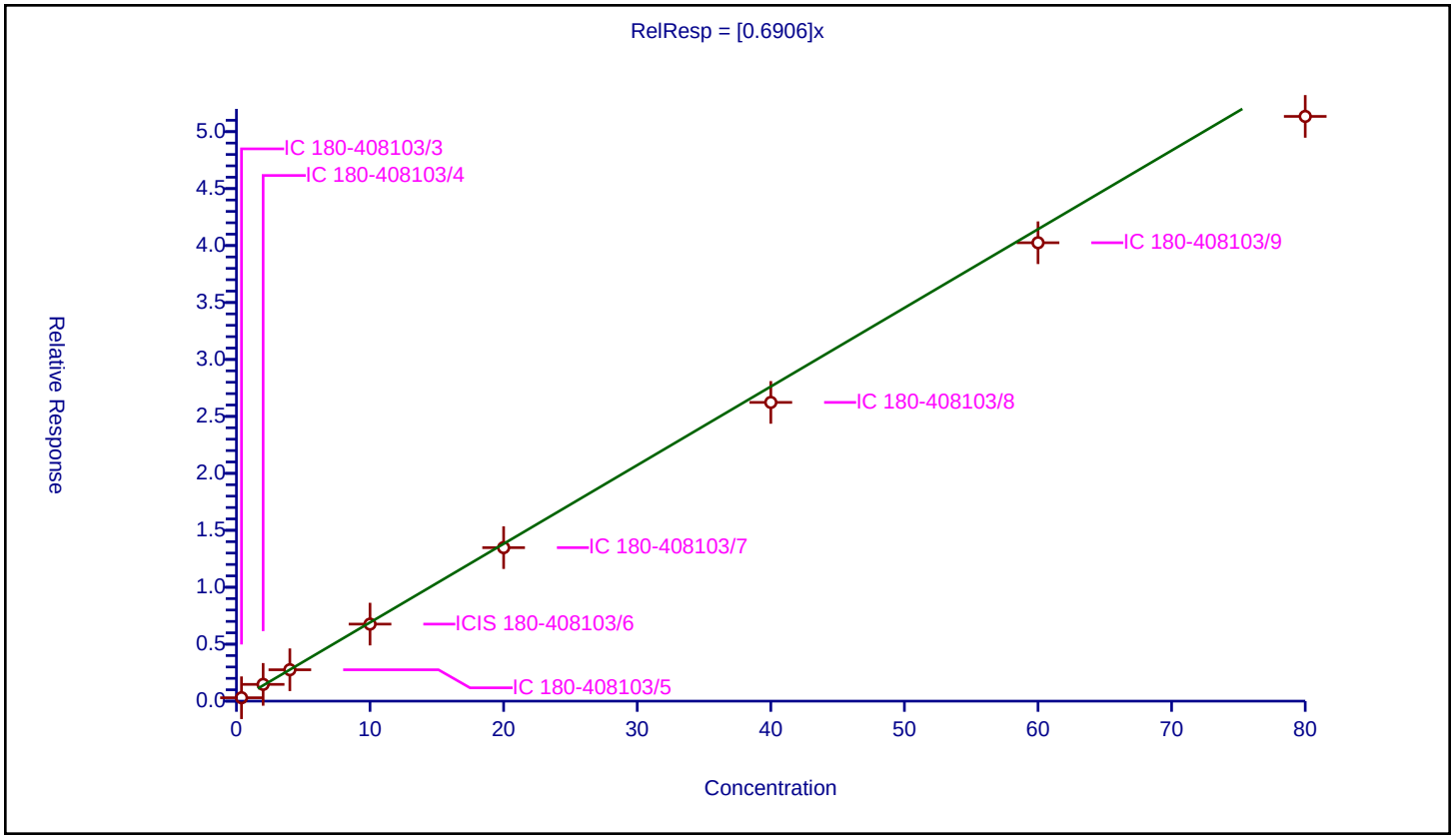
Curve Coefficients

Intercept:	0
Slope:	0.6906

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.297057	8.0	399223.0	0.781729	Y
2	IC 180-408103/4	2.0	1.471011	8.0	354847.0	0.735506	Y
3	IC 180-408103/5	4.0	2.756344	8.0	390108.0	0.689086	Y
4	ICIS 180-408103/6	10.0	6.762972	8.0	336678.0	0.676297	Y
5	IC 180-408103/7	20.0	13.478539	8.0	404464.0	0.673927	Y
6	IC 180-408103/8	40.0	26.22863	8.0	354905.0	0.655716	Y
7	IC 180-408103/9	60.0	40.248106	8.0	335211.0	0.670802	Y
8	IC 180-408103/10	80.0	51.34117	8.0	361617.0	0.641765	Y



Calibration / 1-Methylnaphthalene

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

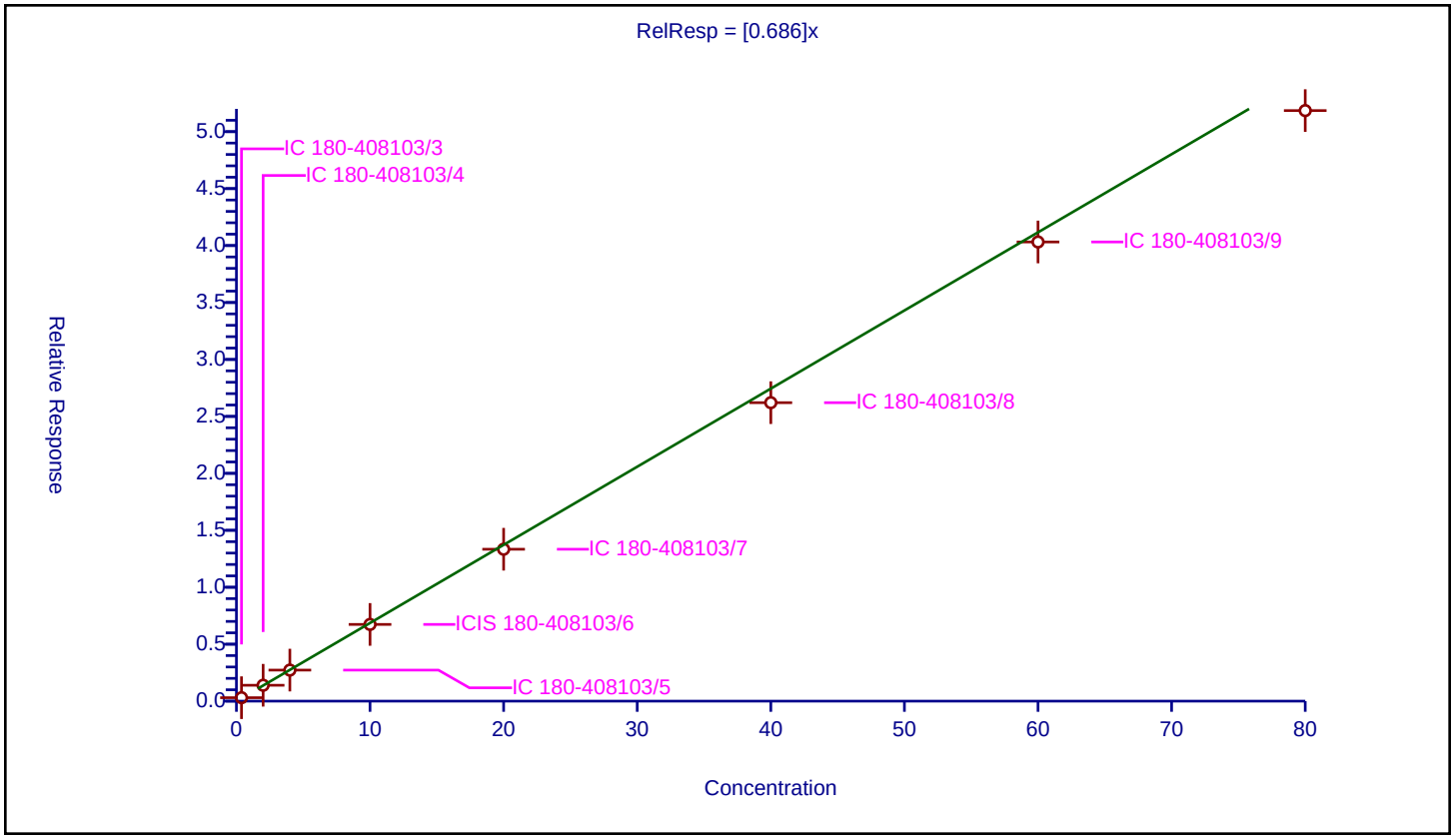
Curve Coefficients

Intercept:	0
Slope:	0.686

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.301706	8.0	399223.0	0.793963	Y
2	IC 180-408103/4	2.0	1.394088	8.0	354847.0	0.697044	Y
3	IC 180-408103/5	4.0	2.72626	8.0	390108.0	0.681565	Y
4	ICIS 180-408103/6	10.0	6.7351	8.0	336678.0	0.67351	Y
5	IC 180-408103/7	20.0	13.337217	8.0	404464.0	0.666861	Y
6	IC 180-408103/8	40.0	26.206179	8.0	354905.0	0.655154	Y
7	IC 180-408103/9	60.0	40.316362	8.0	335211.0	0.671939	Y
8	IC 180-408103/10	80.0	51.849421	8.0	361617.0	0.648118	Y



Calibration / Hexachlorocyclopentadiene

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

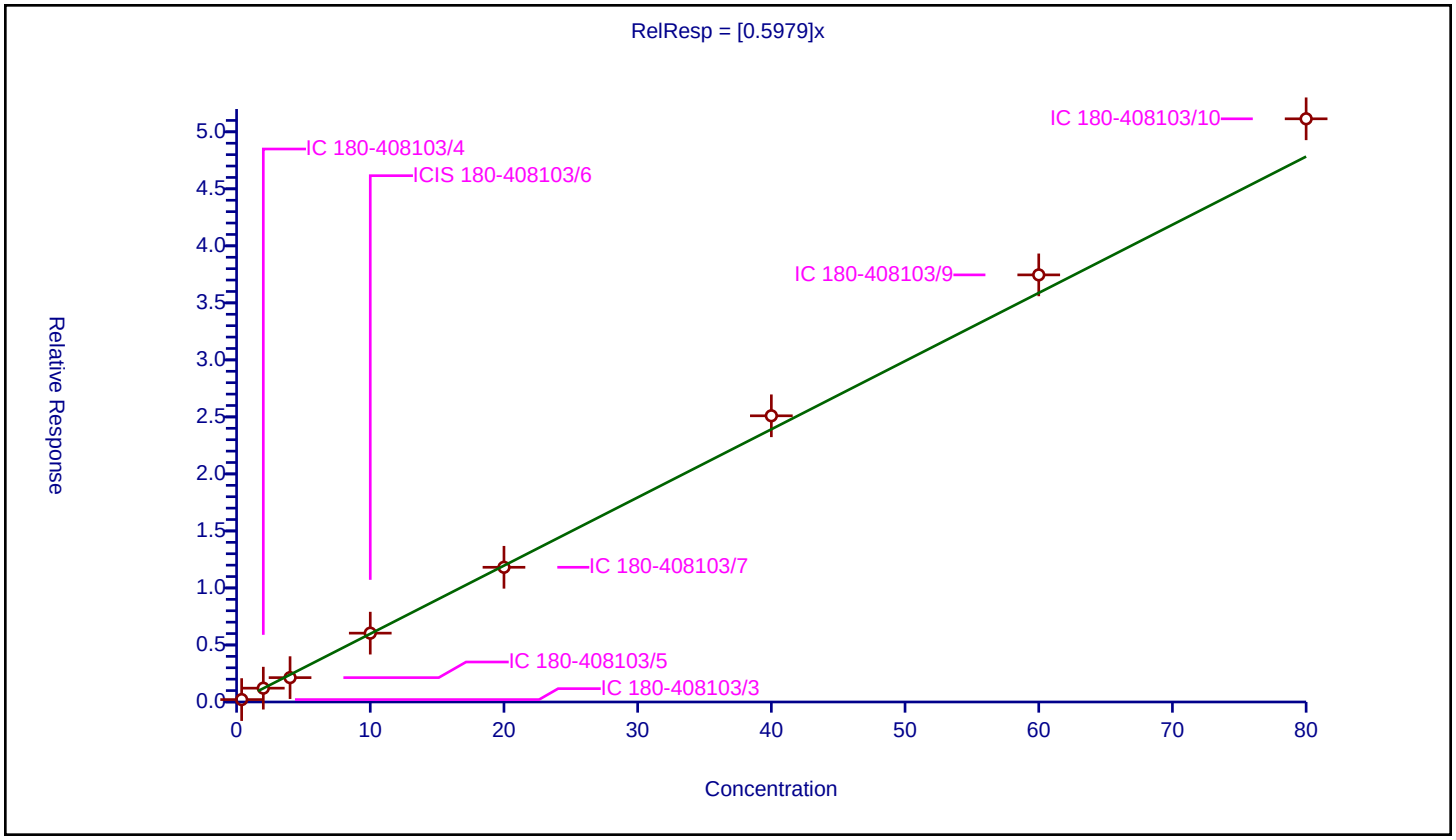
Curve Coefficients

Intercept:	0
Slope:	0.5979

Error Coefficients

Standard Error:	681000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.212054	8.0	245107.0	0.558038	Y
2	IC 180-408103/4	2.0	1.212086	8.0	209457.0	0.606043	Y
3	IC 180-408103/5	4.0	2.135088	8.0	230368.0	0.533772	Y
4	ICIS 180-408103/6	10.0	6.035707	8.0	191222.0	0.603571	Y
5	IC 180-408103/7	20.0	11.81306	8.0	245726.0	0.590653	Y
6	IC 180-408103/8	40.0	25.098611	8.0	202168.0	0.627465	Y
7	IC 180-408103/9	60.0	37.45504	8.0	201578.0	0.624251	Y
8	IC 180-408103/10	80.0	51.142283	8.0	209519.0	0.639279	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

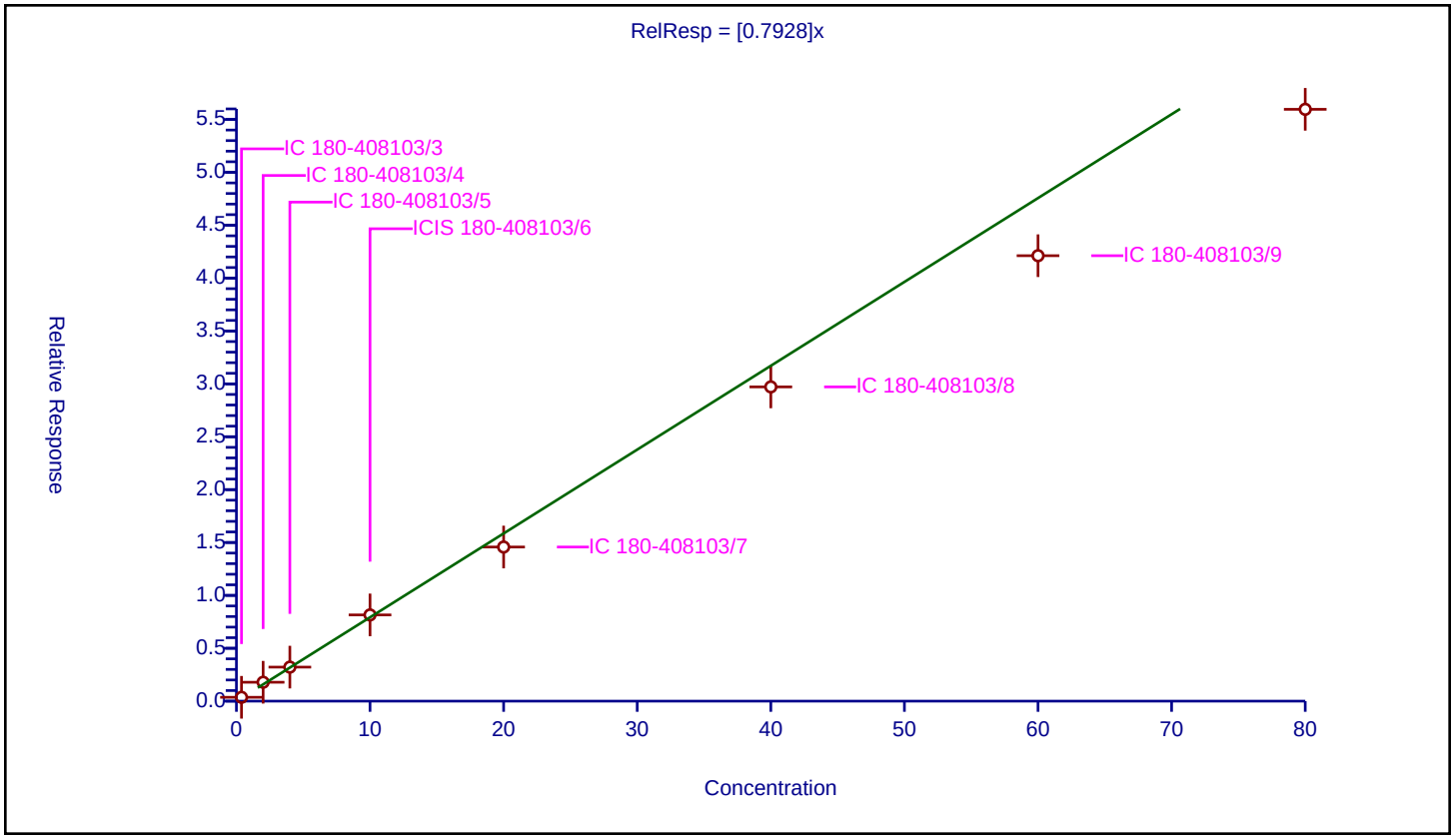
Curve Coefficients

Intercept:	0
Slope:	0.7928

Error Coefficients

Standard Error:	764000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.363433	8.0	245107.0	0.956403	Y
2	IC 180-408103/4	2.0	1.786792	8.0	209457.0	0.893396	Y
3	IC 180-408103/5	4.0	3.216245	8.0	230368.0	0.804061	Y
4	ICIS 180-408103/6	10.0	8.152953	8.0	191222.0	0.815295	Y
5	IC 180-408103/7	20.0	14.57337	8.0	245726.0	0.728669	Y
6	IC 180-408103/8	40.0	29.712081	8.0	202168.0	0.742802	Y
7	IC 180-408103/9	60.0	42.117493	8.0	201578.0	0.701958	Y
8	IC 180-408103/10	80.0	55.958992	8.0	209519.0	0.699487	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

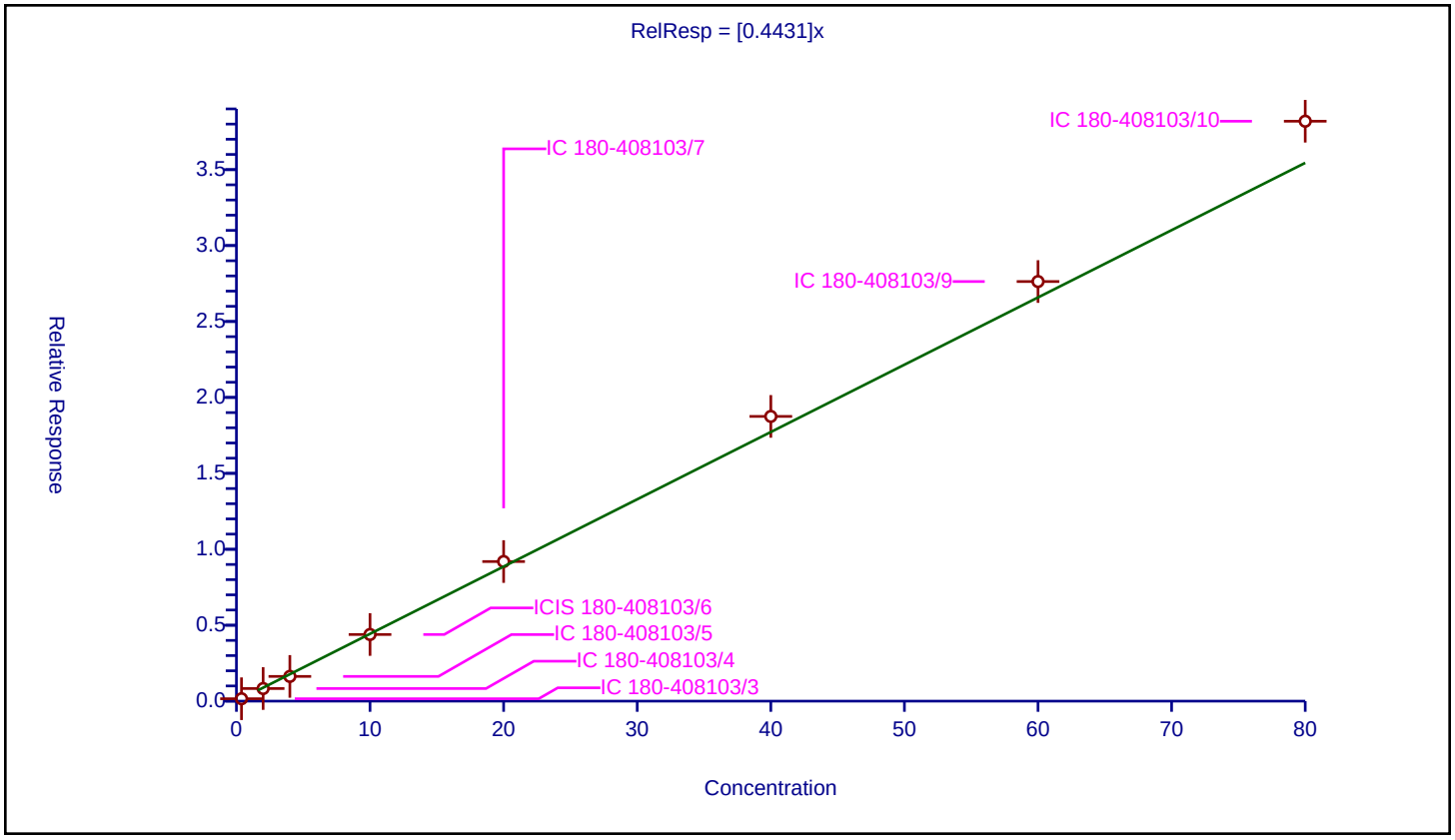
Curve Coefficients

Intercept:	0
Slope:	0.4431

Error Coefficients

Standard Error:	508000
Relative Standard Error:	6.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.158494	8.0	245107.0	0.41709	Y
2	IC 180-408103/4	2.0	0.830032	8.0	209457.0	0.415016	Y
3	IC 180-408103/5	4.0	1.629185	8.0	230368.0	0.407296	Y
4	ICIS 180-408103/6	10.0	4.38824	8.0	191222.0	0.438824	Y
5	IC 180-408103/7	20.0	9.193231	8.0	245726.0	0.459662	Y
6	IC 180-408103/8	40.0	18.749634	8.0	202168.0	0.468741	Y
7	IC 180-408103/9	60.0	27.632182	8.0	201578.0	0.460536	Y
8	IC 180-408103/10	80.0	38.188766	8.0	209519.0	0.47736	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

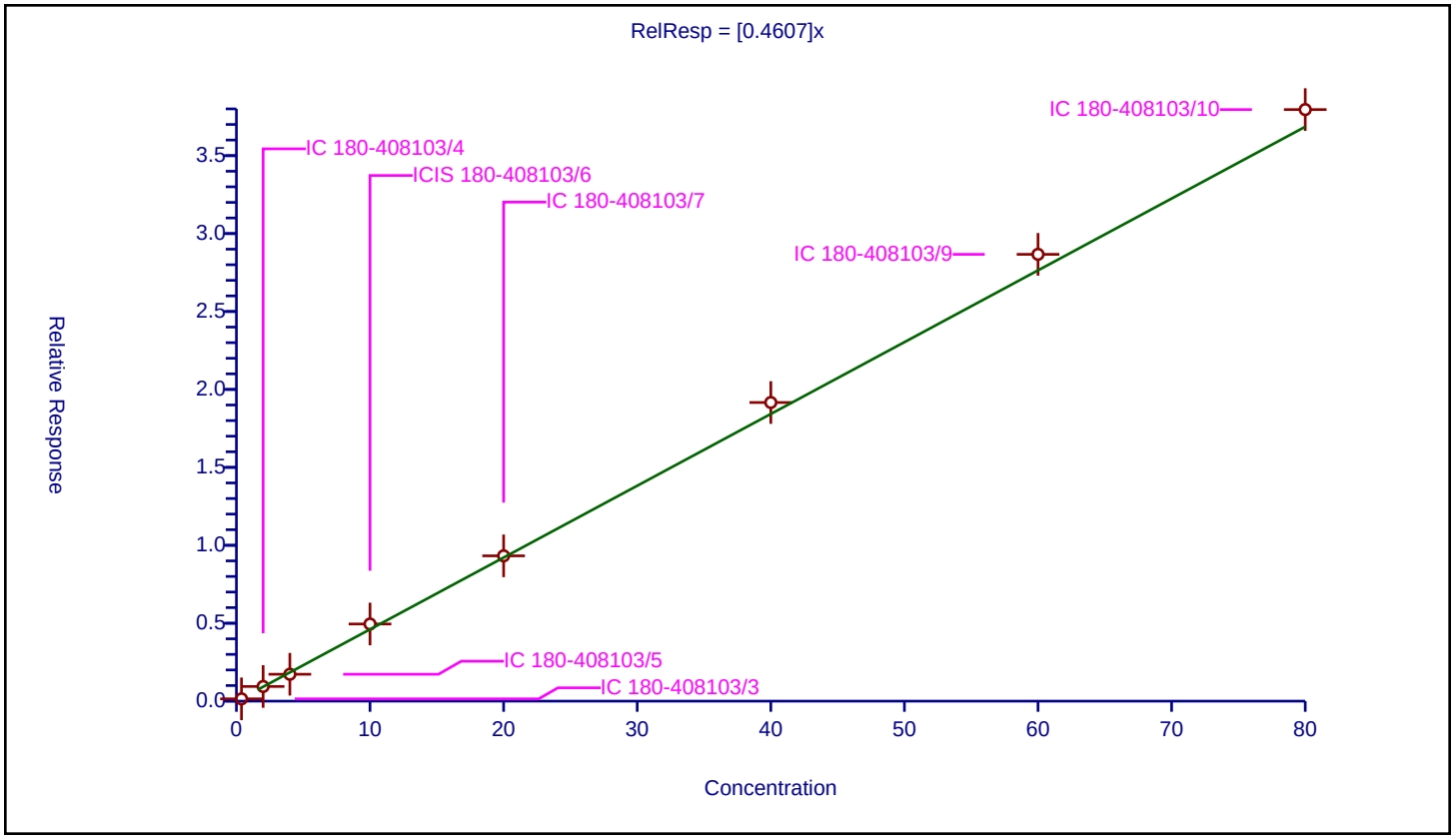
Curve Coefficients

Intercept:	0
Slope:	0.4607

Error Coefficients

Standard Error:	513000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.148604	8.0	245107.0	0.391064	Y
2	IC 180-408103/4	2.0	0.941138	8.0	209457.0	0.470569	Y
3	IC 180-408103/5	4.0	1.725413	8.0	230368.0	0.431353	Y
4	ICIS 180-408103/6	10.0	4.949221	8.0	191222.0	0.494922	Y
5	IC 180-408103/7	20.0	9.322058	8.0	245726.0	0.466103	Y
6	IC 180-408103/8	40.0	19.16141	8.0	202168.0	0.479035	Y
7	IC 180-408103/9	60.0	28.668168	8.0	201578.0	0.477803	Y
8	IC 180-408103/10	80.0	37.95482	8.0	209519.0	0.474435	Y



Calibration / 2-Fluorobiphenyl

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

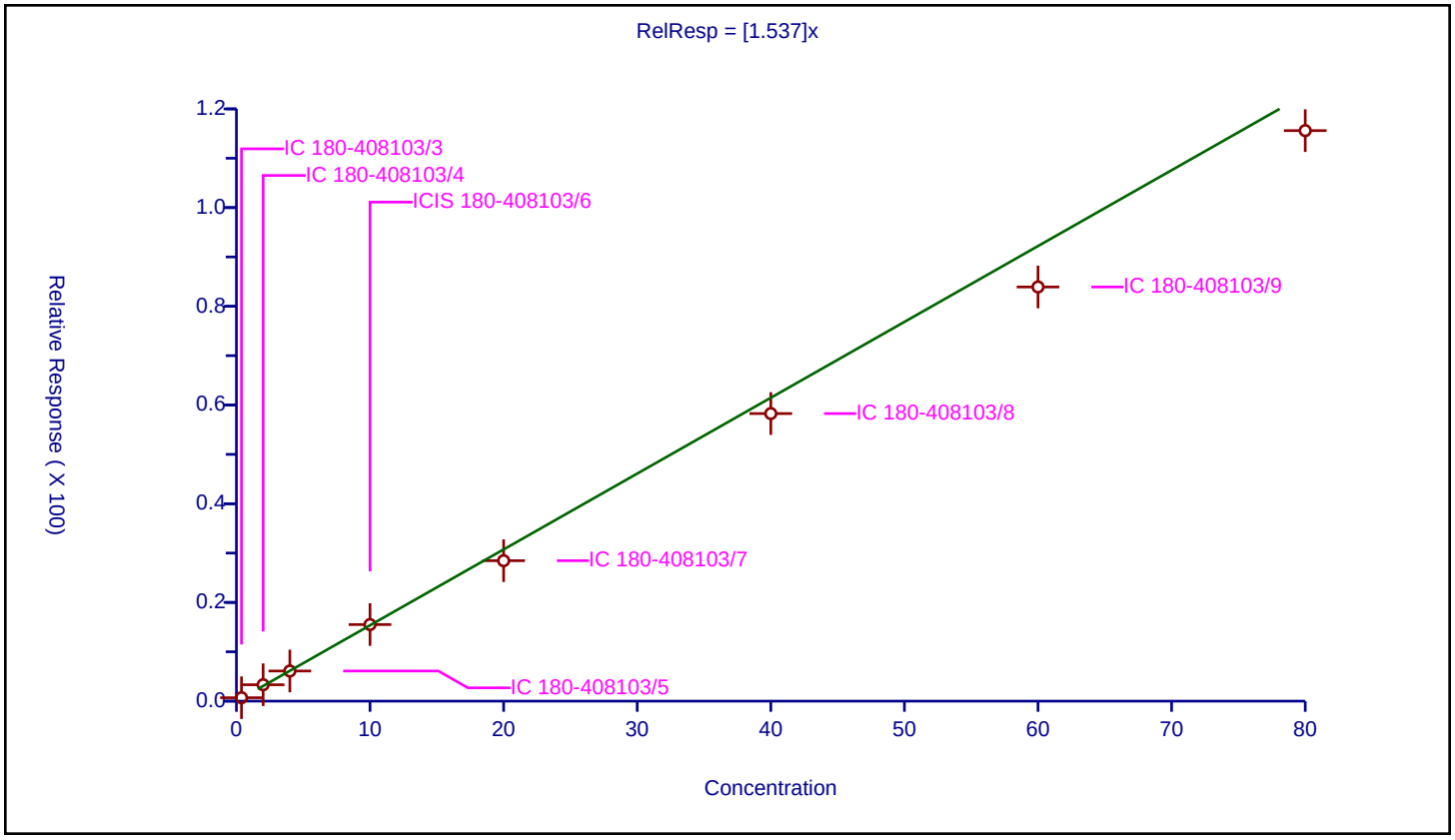
Curve Coefficients

Intercept:	0
Slope:	1.537

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	9.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.696023	8.0	245107.0	1.831638	Y
2	IC 180-408103/4	2.0	3.322419	8.0	209457.0	1.66121	Y
3	IC 180-408103/5	4.0	6.106681	8.0	230368.0	1.52667	Y
4	ICIS 180-408103/6	10.0	15.516081	8.0	191222.0	1.551608	Y
5	IC 180-408103/7	20.0	28.456053	8.0	245726.0	1.422803	Y
6	IC 180-408103/8	40.0	58.268094	8.0	202168.0	1.456702	Y
7	IC 180-408103/9	60.0	83.920468	8.0	201578.0	1.398674	Y
8	IC 180-408103/10	80.0	115.596504	8.0	209519.0	1.444956	Y



Calibration / 1,1'-Biphenyl

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

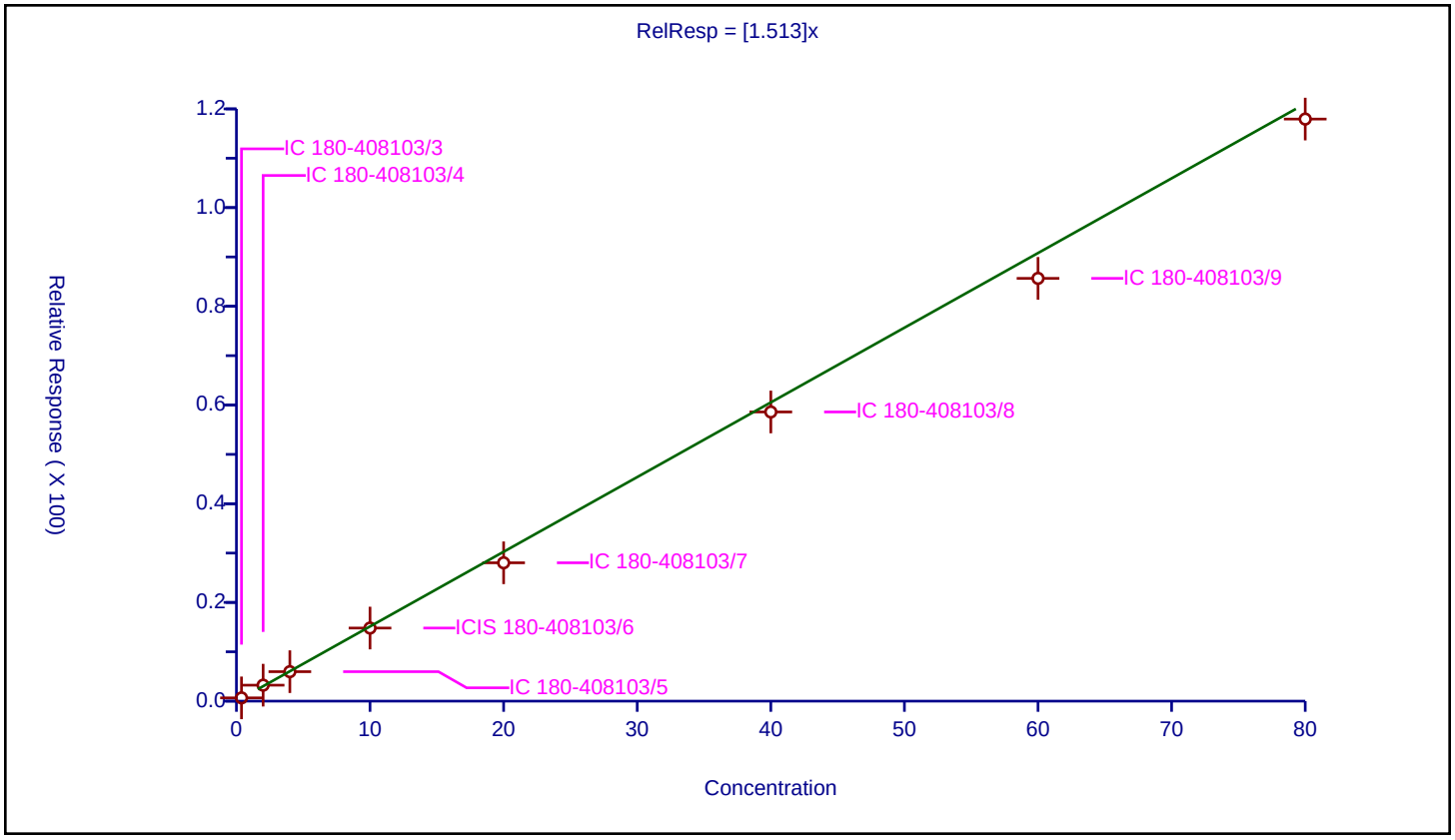
Curve Coefficients

Intercept:	0
Slope:	1.513

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.66371	8.0	245107.0	1.746606	Y
2	IC 180-408103/4	2.0	3.233886	8.0	209457.0	1.616943	Y
3	IC 180-408103/5	4.0	5.971663	8.0	230368.0	1.492916	Y
4	ICIS 180-408103/6	10.0	14.809886	8.0	191222.0	1.480989	Y
5	IC 180-408103/7	20.0	28.030115	8.0	245726.0	1.401506	Y
6	IC 180-408103/8	40.0	58.594357	8.0	202168.0	1.464859	Y
7	IC 180-408103/9	60.0	85.660856	8.0	201578.0	1.427681	Y
8	IC 180-408103/10	80.0	117.935958	8.0	209519.0	1.474199	Y



Calibration / 2-Chloronaphthalene

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

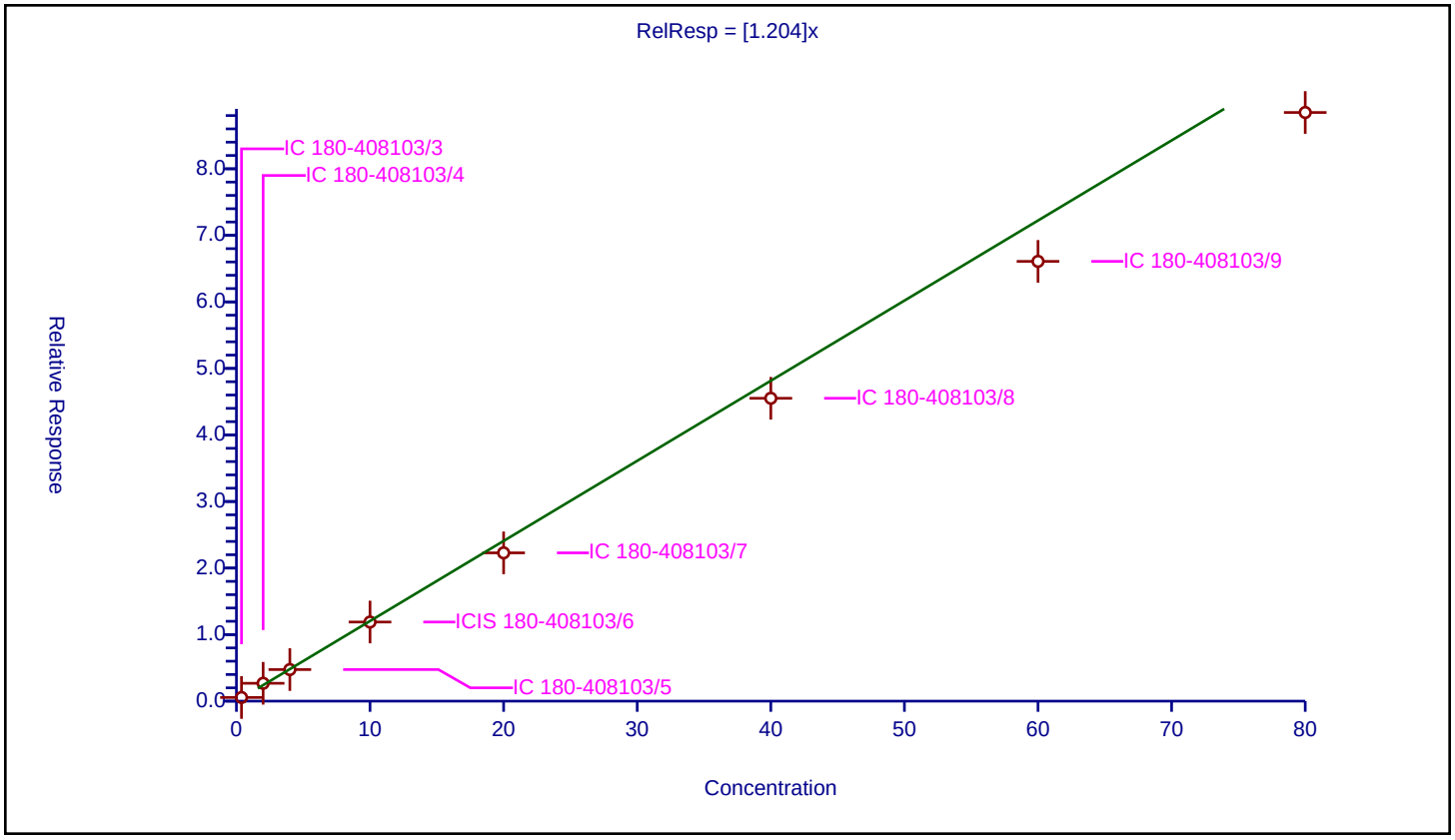
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	10.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.551955	8.0	245107.0	1.452513	Y
2	IC 180-408103/4	2.0	2.685496	8.0	209457.0	1.342748	Y
3	IC 180-408103/5	4.0	4.746145	8.0	230368.0	1.186536	Y
4	ICIS 180-408103/6	10.0	11.888297	8.0	191222.0	1.18883	Y
5	IC 180-408103/7	20.0	22.284789	8.0	245726.0	1.114239	Y
6	IC 180-408103/8	40.0	45.513474	8.0	202168.0	1.137837	Y
7	IC 180-408103/9	60.0	66.084434	8.0	201578.0	1.101407	Y
8	IC 180-408103/10	80.0	88.459185	8.0	209519.0	1.10574	Y



Calibration / 2-Nitroaniline

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

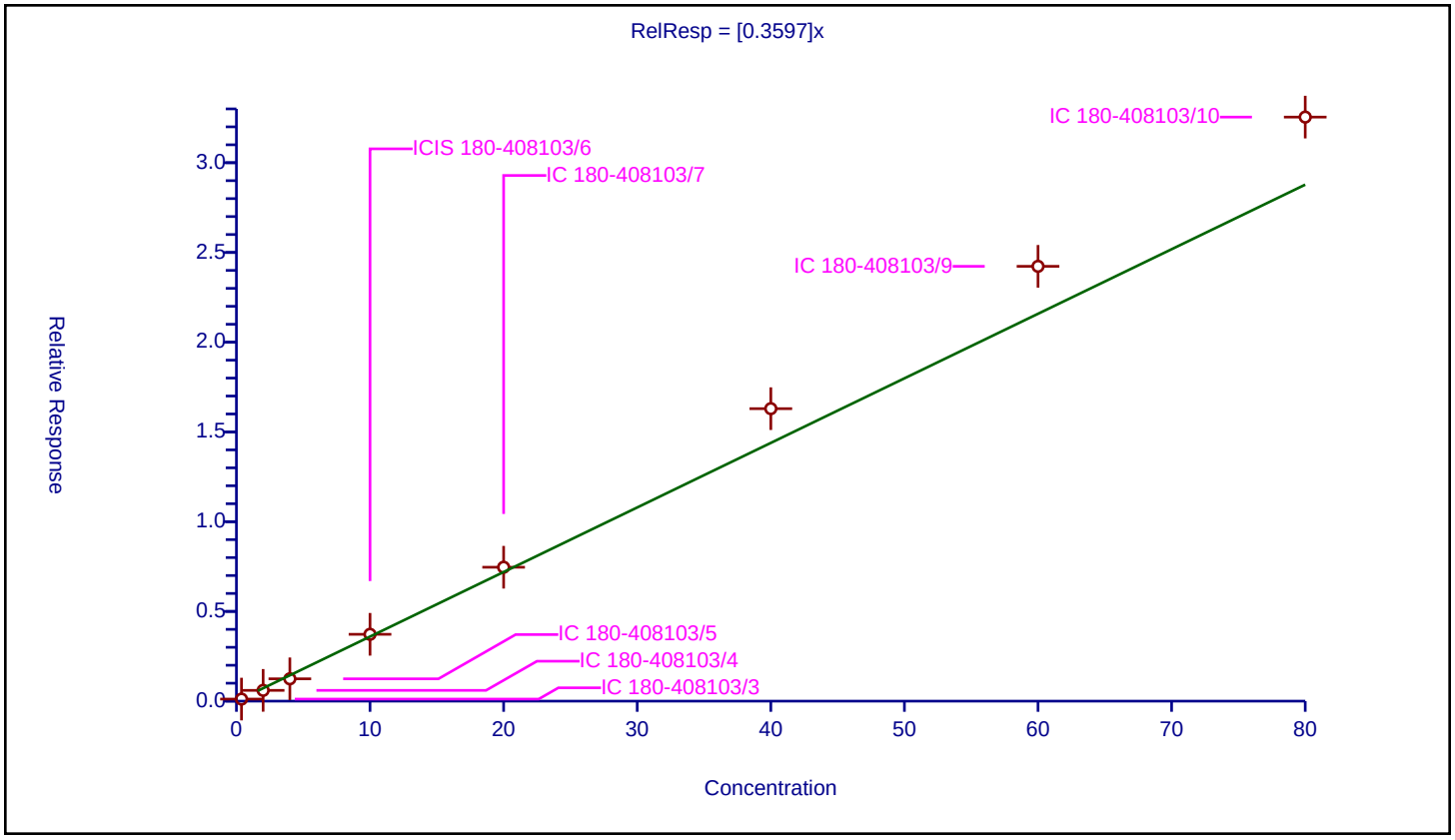
Curve Coefficients

Intercept:	0
Slope:	0.3597

Error Coefficients

Standard Error:	436000
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 180-408103/3	0.38	0.115182	8.0	245107.0	0.303111	Y
2	IC 180-408103/4	2.0	0.599608	8.0	209457.0	0.299804	Y
3	IC 180-408103/5	4.0	1.244999	8.0	230368.0	0.31125	Y
4	ICIS 180-408103/6	10.0	3.724676	8.0	191222.0	0.372468	Y
5	IC 180-408103/7	20.0	7.461774	8.0	245726.0	0.373089	Y
6	IC 180-408103/8	40.0	16.297614	8.0	202168.0	0.40744	Y
7	IC 180-408103/9	60.0	24.227604	8.0	201578.0	0.403793	Y
8	IC 180-408103/10	80.0	32.543569	8.0	209519.0	0.406795	Y



Calibration / Dimethyl phthalate

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

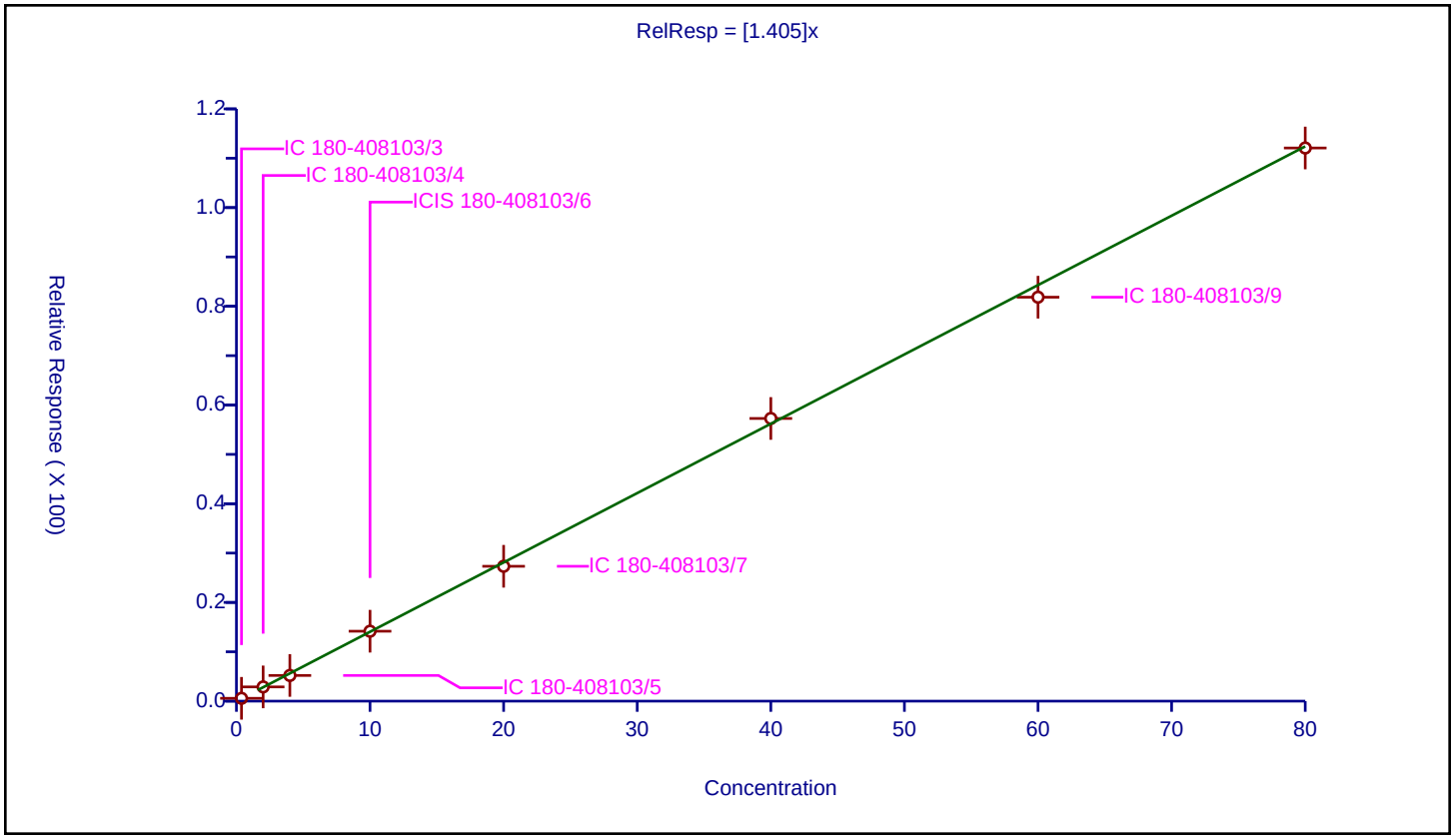
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	4.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.576728	8.0	245107.0	1.517705	Y
2	IC 180-408103/4	2.0	2.883265	8.0	209457.0	1.441632	Y
3	IC 180-408103/5	4.0	5.203257	8.0	230368.0	1.300814	Y
4	ICIS 180-408103/6	10.0	14.168621	8.0	191222.0	1.416862	Y
5	IC 180-408103/7	20.0	27.323344	8.0	245726.0	1.366167	Y
6	IC 180-408103/8	40.0	57.27763	8.0	202168.0	1.431941	Y
7	IC 180-408103/9	60.0	81.847305	8.0	201578.0	1.364122	Y
8	IC 180-408103/10	80.0	112.076022	8.0	209519.0	1.40095	Y



Calibration / 1,3-Dinitrobenzene

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

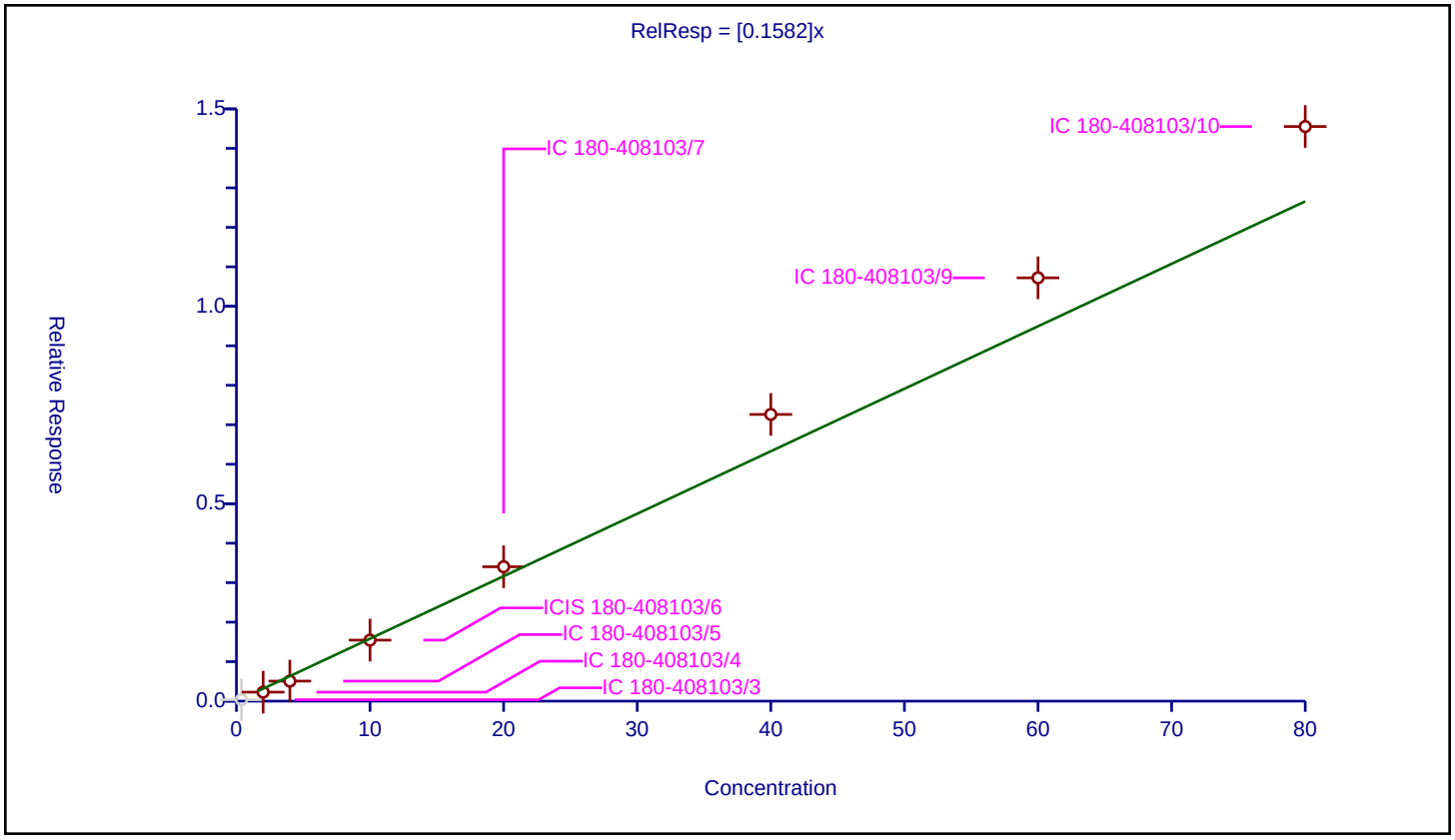
Curve Coefficients

Intercept:	0
Slope:	0.1582

Error Coefficients

Standard Error:	210000
Relative Standard Error:	17.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.035413	8.0	245107.0	0.093192	N
2	IC 180-408103/4	2.0	0.227789	8.0	209457.0	0.113894	Y
3	IC 180-408103/5	4.0	0.507466	8.0	230368.0	0.126867	Y
4	ICIS 180-408103/6	10.0	1.545303	8.0	191222.0	0.15453	Y
5	IC 180-408103/7	20.0	3.403238	8.0	245726.0	0.170162	Y
6	IC 180-408103/8	40.0	7.261565	8.0	202168.0	0.181539	Y
7	IC 180-408103/9	60.0	10.721011	8.0	201578.0	0.178684	Y
8	IC 180-408103/10	80.0	14.55341	8.0	209519.0	0.181918	Y



Calibration / 2,6-Dinitrotoluene

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

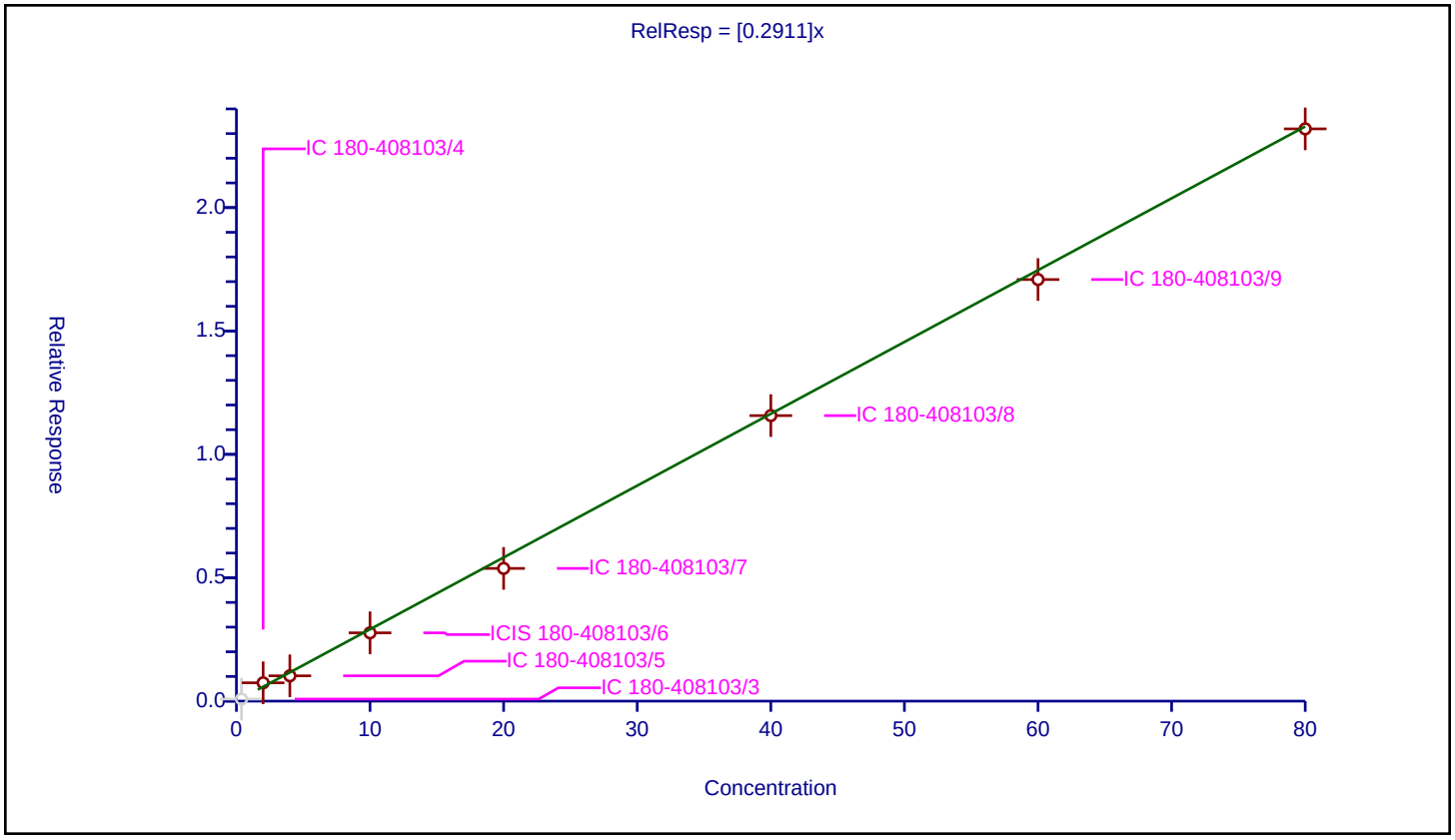
Curve Coefficients

Intercept:	0
Slope:	0.2911

Error Coefficients

Standard Error:	335000
Relative Standard Error:	12.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.08398	8.0	245107.0	0.220999	N
2	IC 180-408103/4	2.0	0.74272	8.0	209457.0	0.37136	Y
3	IC 180-408103/5	4.0	1.026288	8.0	230368.0	0.256572	Y
4	ICIS 180-408103/6	10.0	2.767966	8.0	191222.0	0.276797	Y
5	IC 180-408103/7	20.0	5.378316	8.0	245726.0	0.268916	Y
6	IC 180-408103/8	40.0	11.570535	8.0	202168.0	0.289263	Y
7	IC 180-408103/9	60.0	17.085357	8.0	201578.0	0.284756	Y
8	IC 180-408103/10	80.0	23.190412	8.0	209519.0	0.28988	Y



Calibration / Acenaphthylene

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

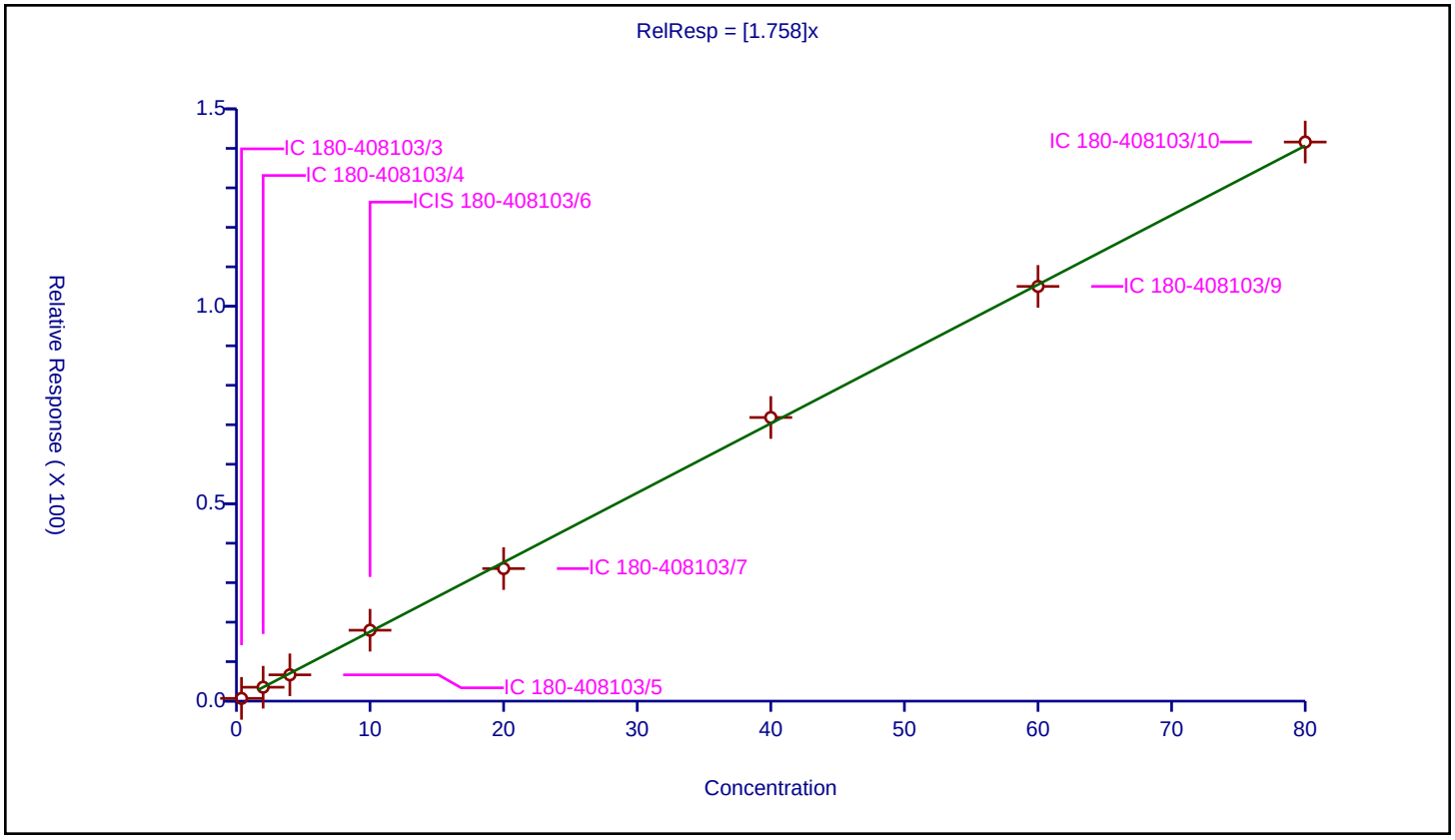
Curve Coefficients

Intercept:	0
Slope:	1.758

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	3.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.701441	8.0	245107.0	1.845896	Y
2	IC 180-408103/4	2.0	3.527636	8.0	209457.0	1.763818	Y
3	IC 180-408103/5	4.0	6.663217	8.0	230368.0	1.665804	Y
4	ICIS 180-408103/6	10.0	17.958729	8.0	191222.0	1.795873	Y
5	IC 180-408103/7	20.0	33.574469	8.0	245726.0	1.678723	Y
6	IC 180-408103/8	40.0	71.843022	8.0	202168.0	1.796076	Y
7	IC 180-408103/9	60.0	105.042257	8.0	201578.0	1.750704	Y
8	IC 180-408103/10	80.0	141.610336	8.0	209519.0	1.770129	Y



Calibration / 3-Nitroaniline

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

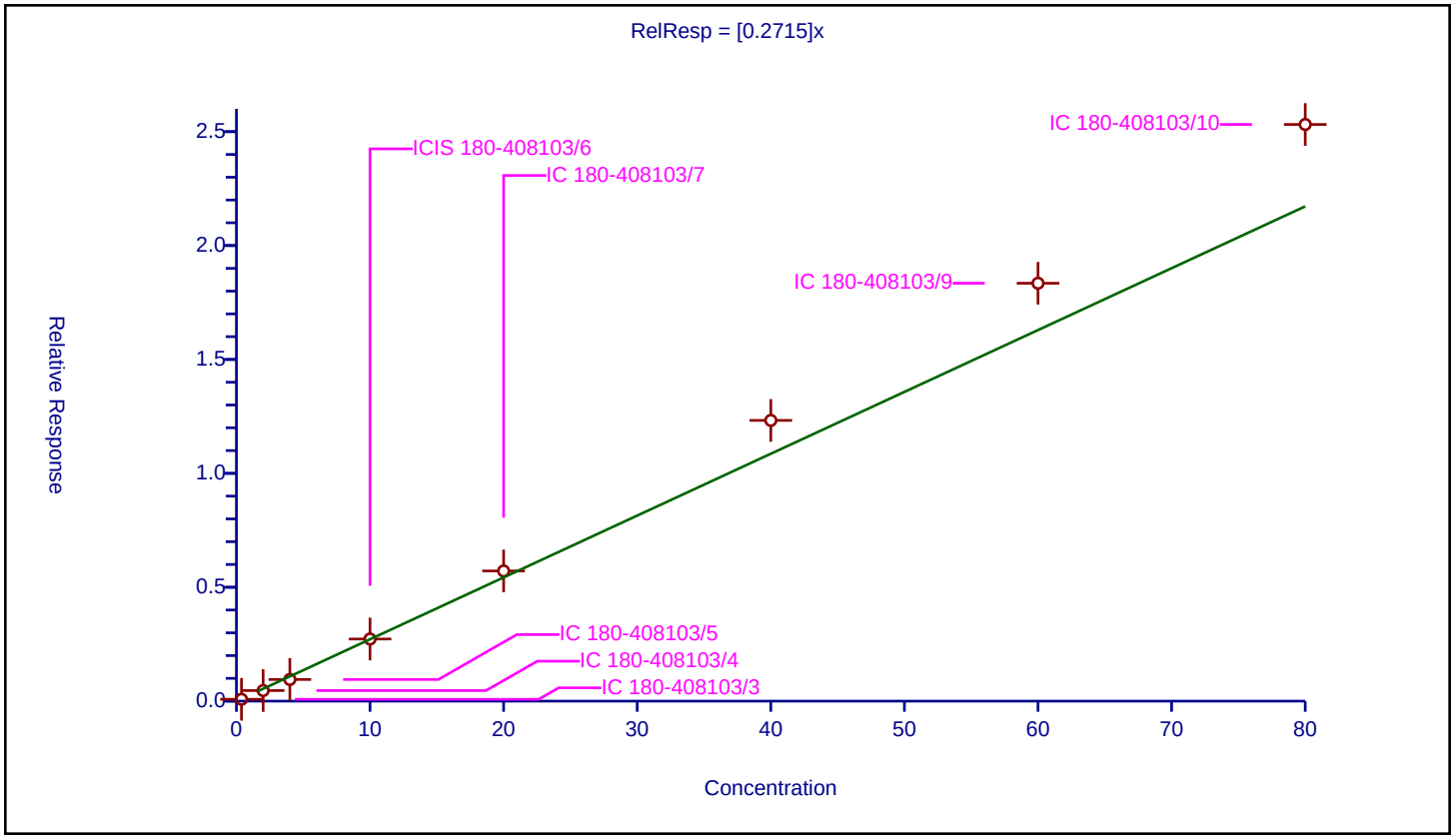
Curve Coefficients

Intercept:	0
Slope:	0.2715

Error Coefficients

Standard Error:	335000
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 180-408103/3	0.38	0.081042	8.0	245107.0	0.213269	Y
2	IC 180-408103/4	2.0	0.464554	8.0	209457.0	0.232277	Y
3	IC 180-408103/5	4.0	0.951278	8.0	230368.0	0.237819	Y
4	ICIS 180-408103/6	10.0	2.726925	8.0	191222.0	0.272692	Y
5	IC 180-408103/7	20.0	5.714202	8.0	245726.0	0.28571	Y
6	IC 180-408103/8	40.0	12.324245	8.0	202168.0	0.308106	Y
7	IC 180-408103/9	60.0	18.346327	8.0	201578.0	0.305772	Y
8	IC 180-408103/10	80.0	25.316425	8.0	209519.0	0.316455	Y



Calibration / Acenaphthene

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

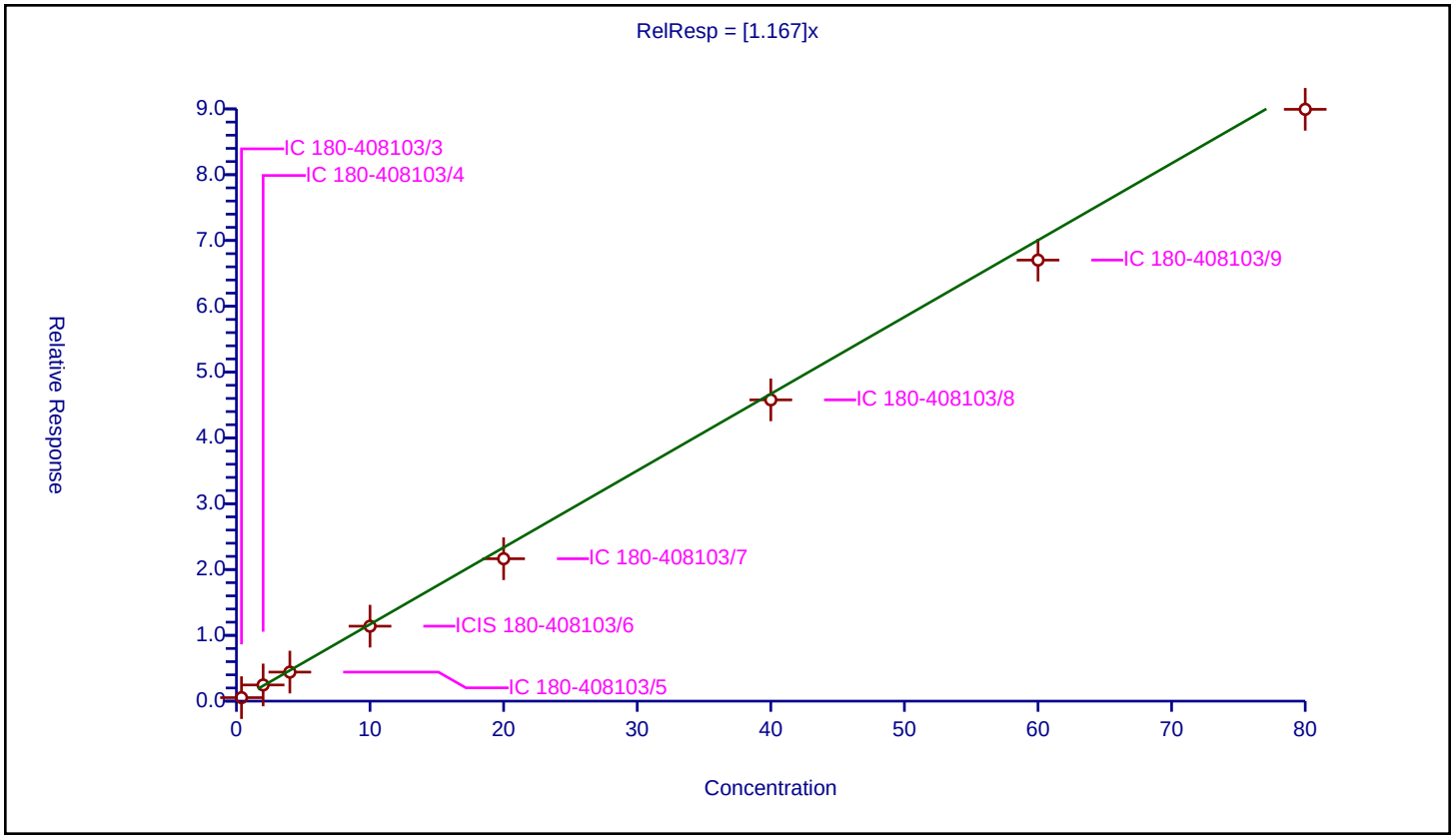
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.531588	8.0	245107.0	1.398916	Y
2	IC 180-408103/4	2.0	2.459273	8.0	209457.0	1.229637	Y
3	IC 180-408103/5	4.0	4.415266	8.0	230368.0	1.103817	Y
4	ICIS 180-408103/6	10.0	11.389652	8.0	191222.0	1.138965	Y
5	IC 180-408103/7	20.0	21.638378	8.0	245726.0	1.081919	Y
6	IC 180-408103/8	40.0	45.782953	8.0	202168.0	1.144574	Y
7	IC 180-408103/9	60.0	67.021996	8.0	201578.0	1.117033	Y
8	IC 180-408103/10	80.0	89.933572	8.0	209519.0	1.12417	Y



Calibration / 2,4-Dinitrophenol

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

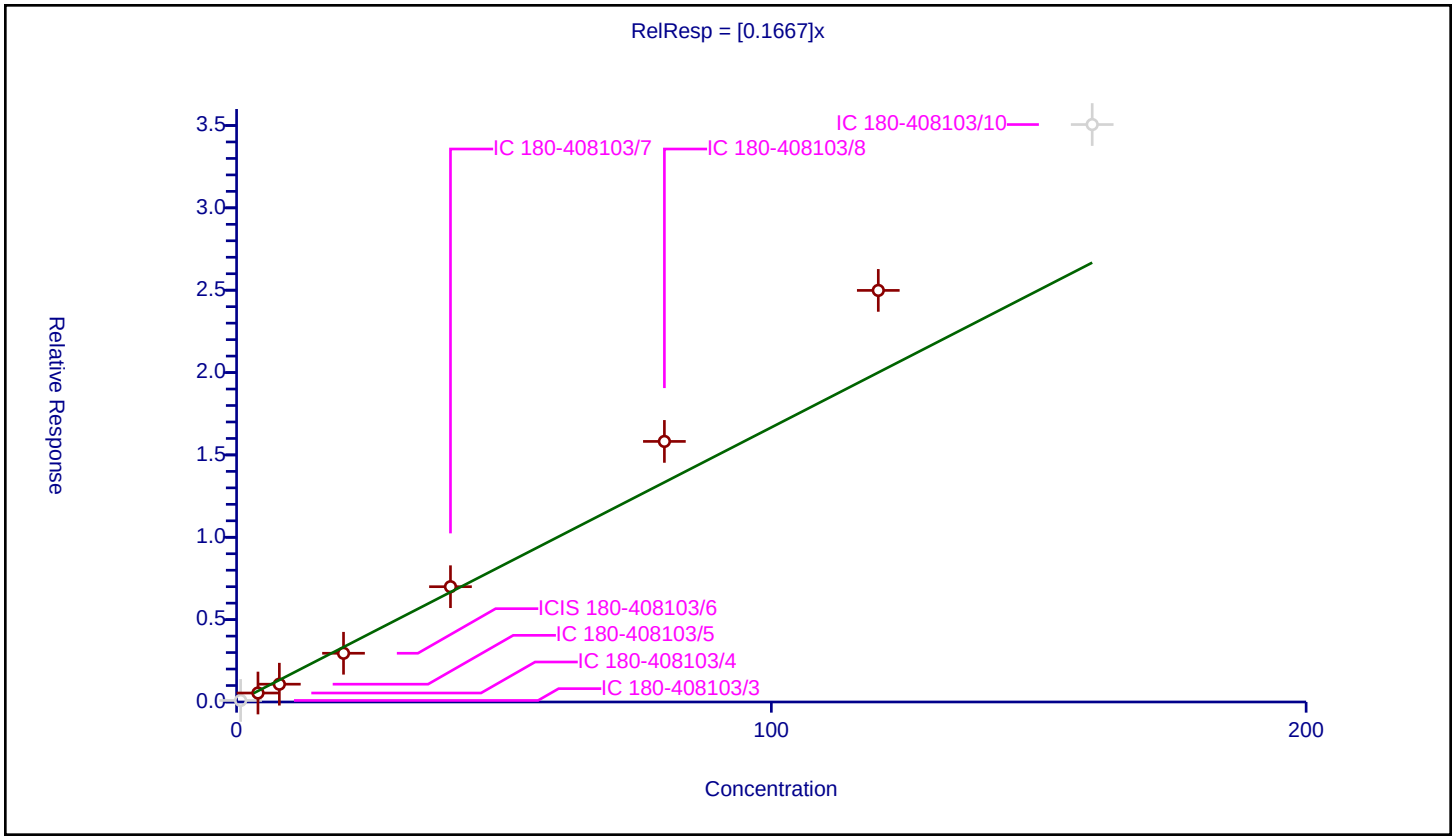
Curve Coefficients

Intercept:	0
Slope:	0.1667

Error Coefficients

Standard Error:	349000
Relative Standard Error:	19.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.76	0.093804	8.0	245107.0	0.123426	N
2	IC 180-408103/4	4.0	0.545219	8.0	209457.0	0.136305	Y
3	IC 180-408103/5	8.0	1.080601	8.0	230368.0	0.135075	Y
4	ICIS 180-408103/6	20.0	2.958279	8.0	191222.0	0.147914	Y
5	IC 180-408103/7	40.0	6.998755	8.0	245726.0	0.174969	Y
6	IC 180-408103/8	80.0	15.819477	8.0	202168.0	0.197743	Y
7	IC 180-408103/9	120.0	24.987132	8.0	201578.0	0.208226	Y
8	IC 180-408103/10	160.0	35.058052	8.0	209519.0	0.219113	N



Calibration / 4-Nitrophenol

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

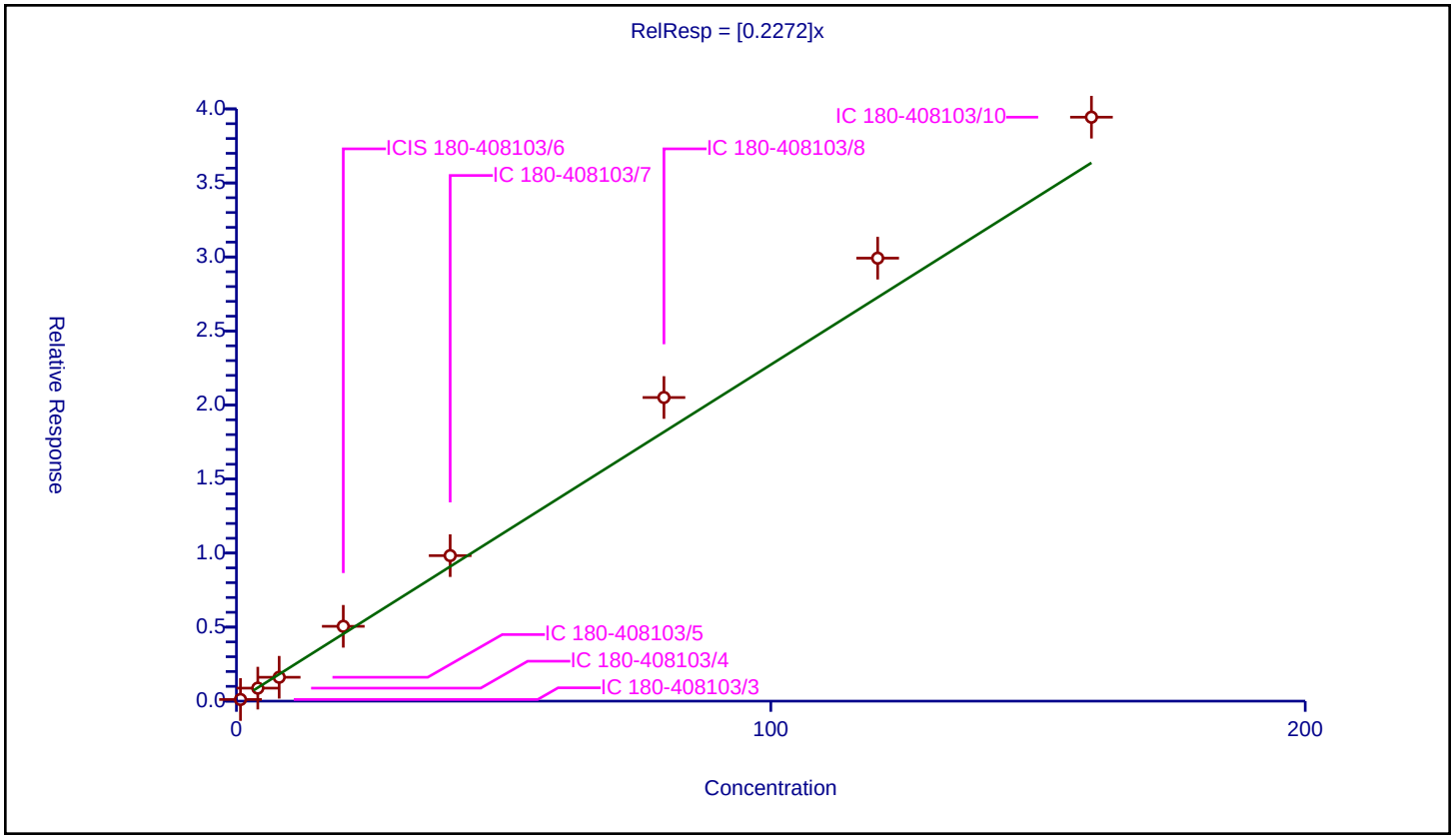
Curve Coefficients

Intercept:	0
Slope:	0.2272

Error Coefficients

Standard Error:	536000
Relative Standard Error:	16.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.76	0.110939	8.0	245107.0	0.145973	Y
2	IC 180-408103/4	4.0	0.878997	8.0	209457.0	0.219749	Y
3	IC 180-408103/5	8.0	1.613175	8.0	230368.0	0.201647	Y
4	ICIS 180-408103/6	20.0	5.054649	8.0	191222.0	0.252732	Y
5	IC 180-408103/7	40.0	9.828573	8.0	245726.0	0.245714	Y
6	IC 180-408103/8	80.0	20.508488	8.0	202168.0	0.256356	Y
7	IC 180-408103/9	120.0	29.918622	8.0	201578.0	0.249322	Y
8	IC 180-408103/10	160.0	39.439936	8.0	209519.0	0.2465	Y



Calibration / 2,4-Dinitrotoluene

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

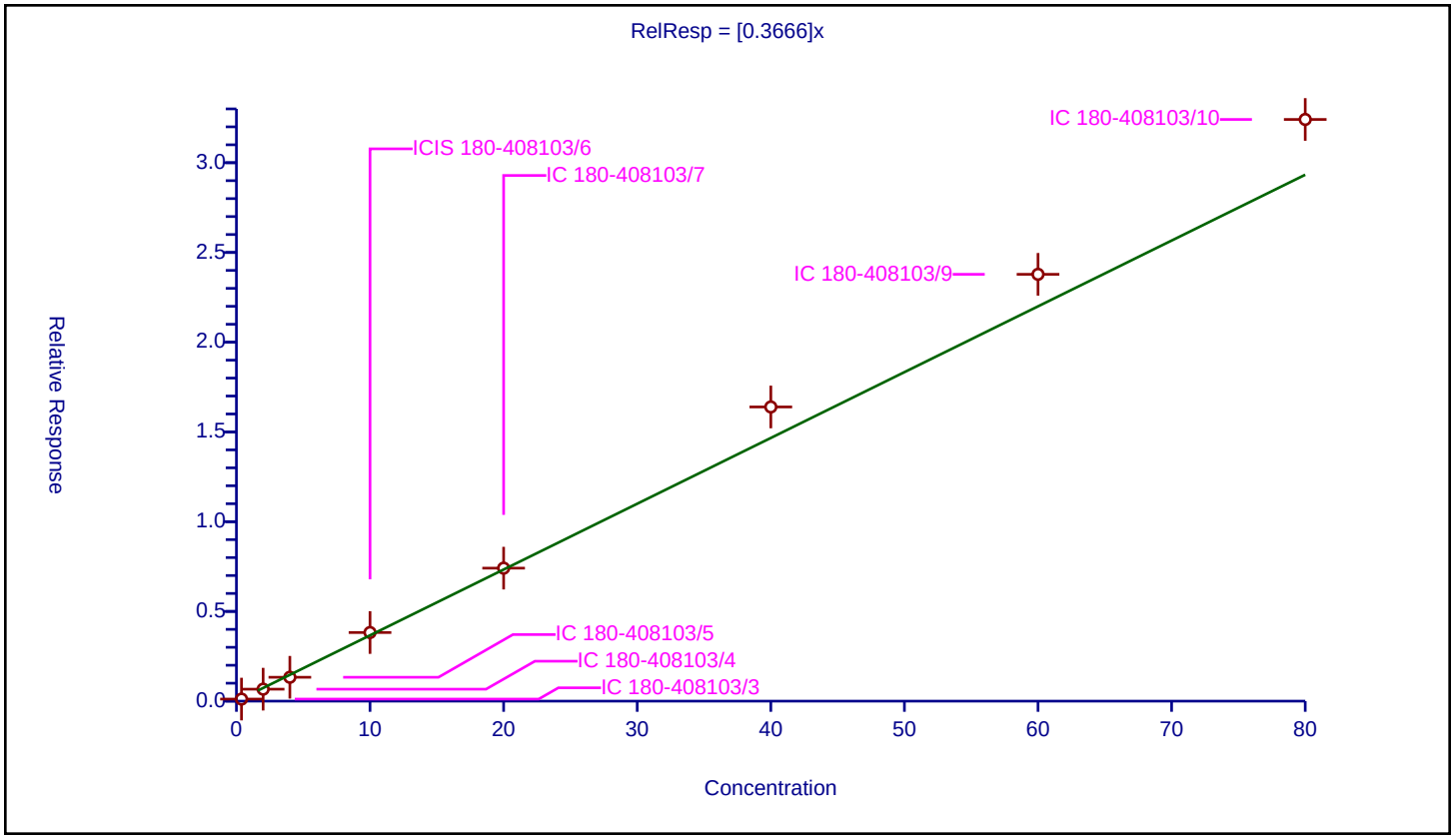
Curve Coefficients

Intercept:	0
Slope:	0.3666

Error Coefficients

Standard Error:	433000
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 180-408103/3	0.38	0.115084	8.0	245107.0	0.302854	Y
2	IC 180-408103/4	2.0	0.666753	8.0	209457.0	0.333376	Y
3	IC 180-408103/5	4.0	1.330393	8.0	230368.0	0.332598	Y
4	ICIS 180-408103/6	10.0	3.823158	8.0	191222.0	0.382316	Y
5	IC 180-408103/7	20.0	7.410303	8.0	245726.0	0.370515	Y
6	IC 180-408103/8	40.0	16.391476	8.0	202168.0	0.409787	Y
7	IC 180-408103/9	60.0	23.782556	8.0	201578.0	0.396376	Y
8	IC 180-408103/10	80.0	32.410273	8.0	209519.0	0.405128	Y



Calibration / Dibenzofuran

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

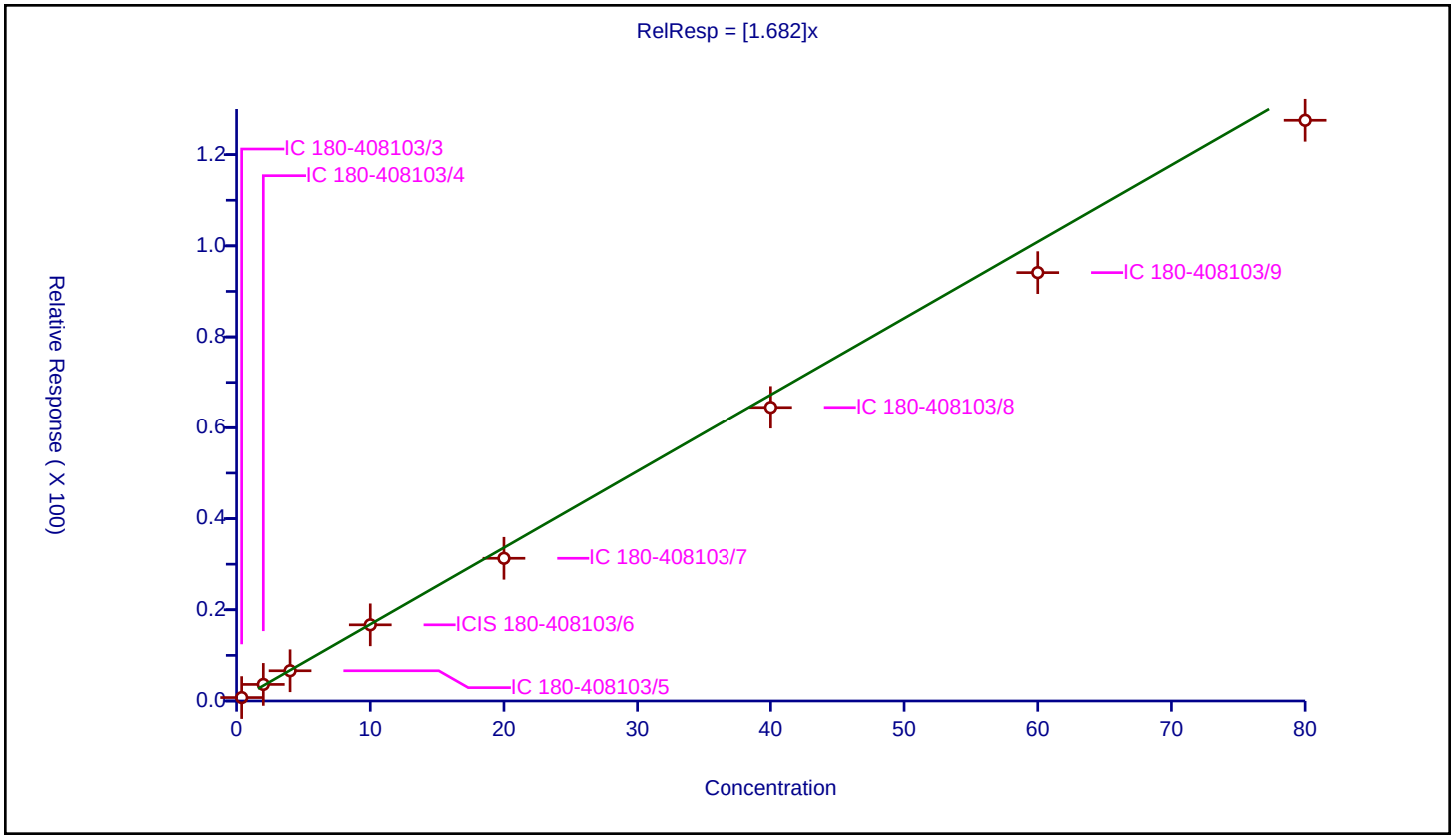
Curve Coefficients

Intercept:	0
Slope:	1.682

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	8.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.748277	8.0	245107.0	1.969151	Y
2	IC 180-408103/4	2.0	3.634235	8.0	209457.0	1.817118	Y
3	IC 180-408103/5	4.0	6.627448	8.0	230368.0	1.656862	Y
4	ICIS 180-408103/6	10.0	16.697618	8.0	191222.0	1.669762	Y
5	IC 180-408103/7	20.0	31.289843	8.0	245726.0	1.564492	Y
6	IC 180-408103/8	40.0	64.506312	8.0	202168.0	1.612658	Y
7	IC 180-408103/9	60.0	94.127851	8.0	201578.0	1.568798	Y
8	IC 180-408103/10	80.0	127.532911	8.0	209519.0	1.594161	Y



Calibration / 2,3,5,6-Tetrachlorophenol

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

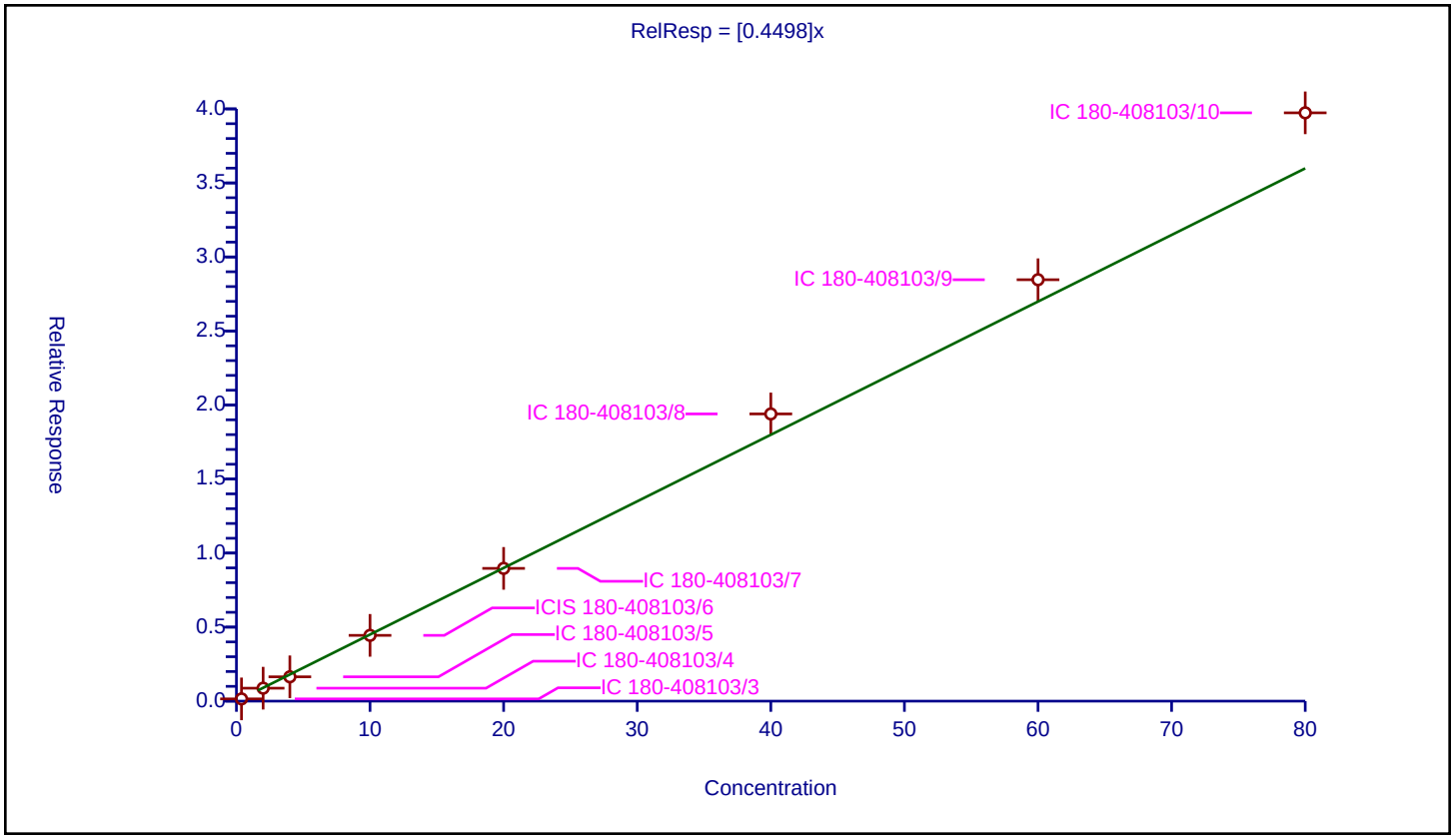
Curve Coefficients

Intercept:	0
Slope:	0.4498

Error Coefficients

Standard Error:	525000
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 180-408103/3	0.38	0.152456	8.0	245107.0	0.4012	Y
2	IC 180-408103/4	2.0	0.875636	8.0	209457.0	0.437818	Y
3	IC 180-408103/5	4.0	1.642937	8.0	230368.0	0.410734	Y
4	ICIS 180-408103/6	10.0	4.442794	8.0	191222.0	0.444279	Y
5	IC 180-408103/7	20.0	8.966214	8.0	245726.0	0.448311	Y
6	IC 180-408103/8	40.0	19.397966	8.0	202168.0	0.484949	Y
7	IC 180-408103/9	60.0	28.463066	8.0	201578.0	0.474384	Y
8	IC 180-408103/10	80.0	39.734134	8.0	209519.0	0.496677	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

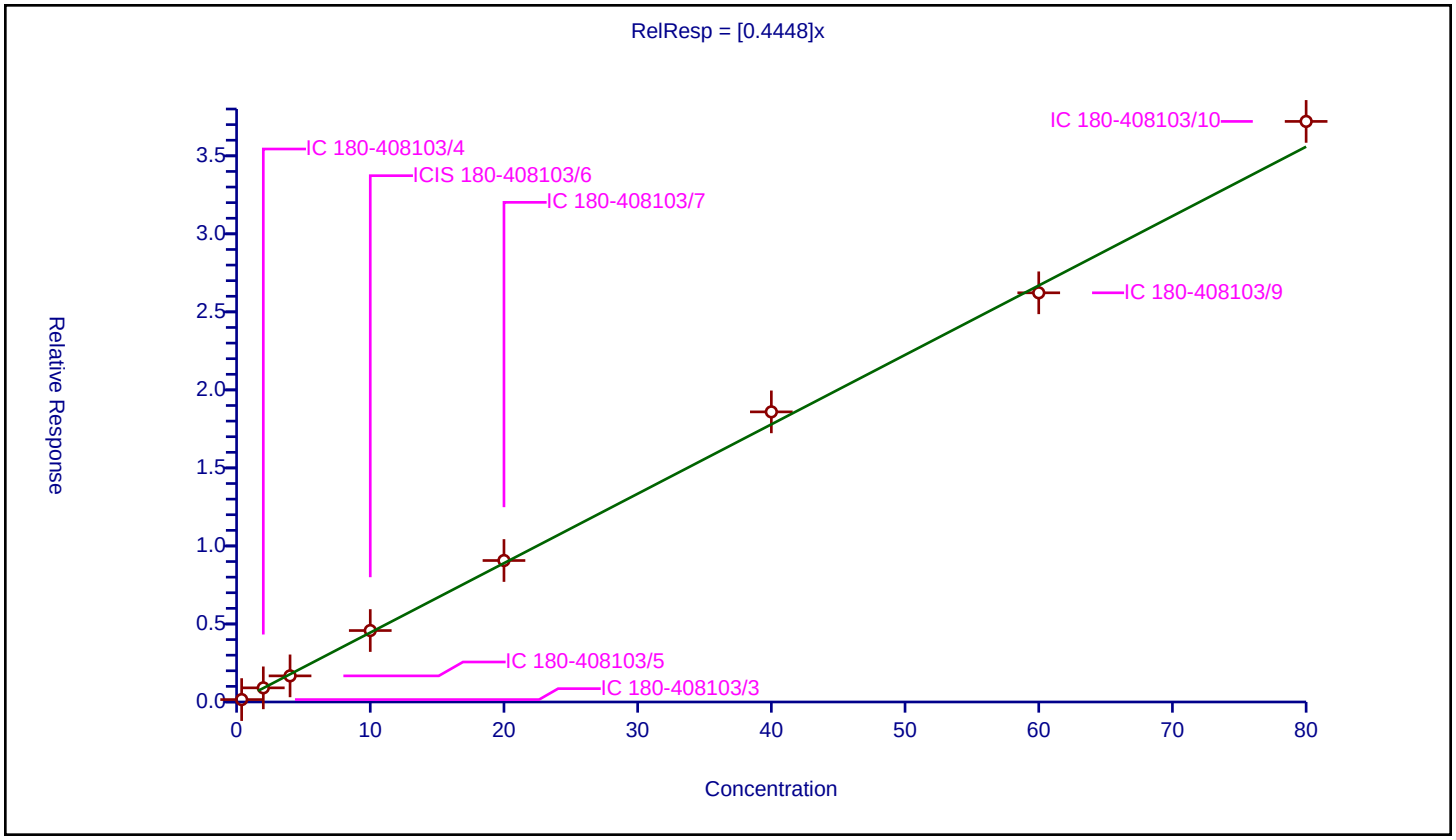
Curve Coefficients

Intercept:	0
Slope:	0.4448

Error Coefficients

Standard Error:	493000
Relative Standard Error:	4.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.155263	8.0	245107.0	0.408586	Y
2	IC 180-408103/4	2.0	0.906878	8.0	209457.0	0.453439	Y
3	IC 180-408103/5	4.0	1.673114	8.0	230368.0	0.418279	Y
4	ICIS 180-408103/6	10.0	4.579013	8.0	191222.0	0.457901	Y
5	IC 180-408103/7	20.0	9.067205	8.0	245726.0	0.45336	Y
6	IC 180-408103/8	40.0	18.592299	8.0	202168.0	0.464807	Y
7	IC 180-408103/9	60.0	26.222465	8.0	201578.0	0.437041	Y
8	IC 180-408103/10	80.0	37.205943	8.0	209519.0	0.465074	Y



Calibration / 2-Naphthylamine

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

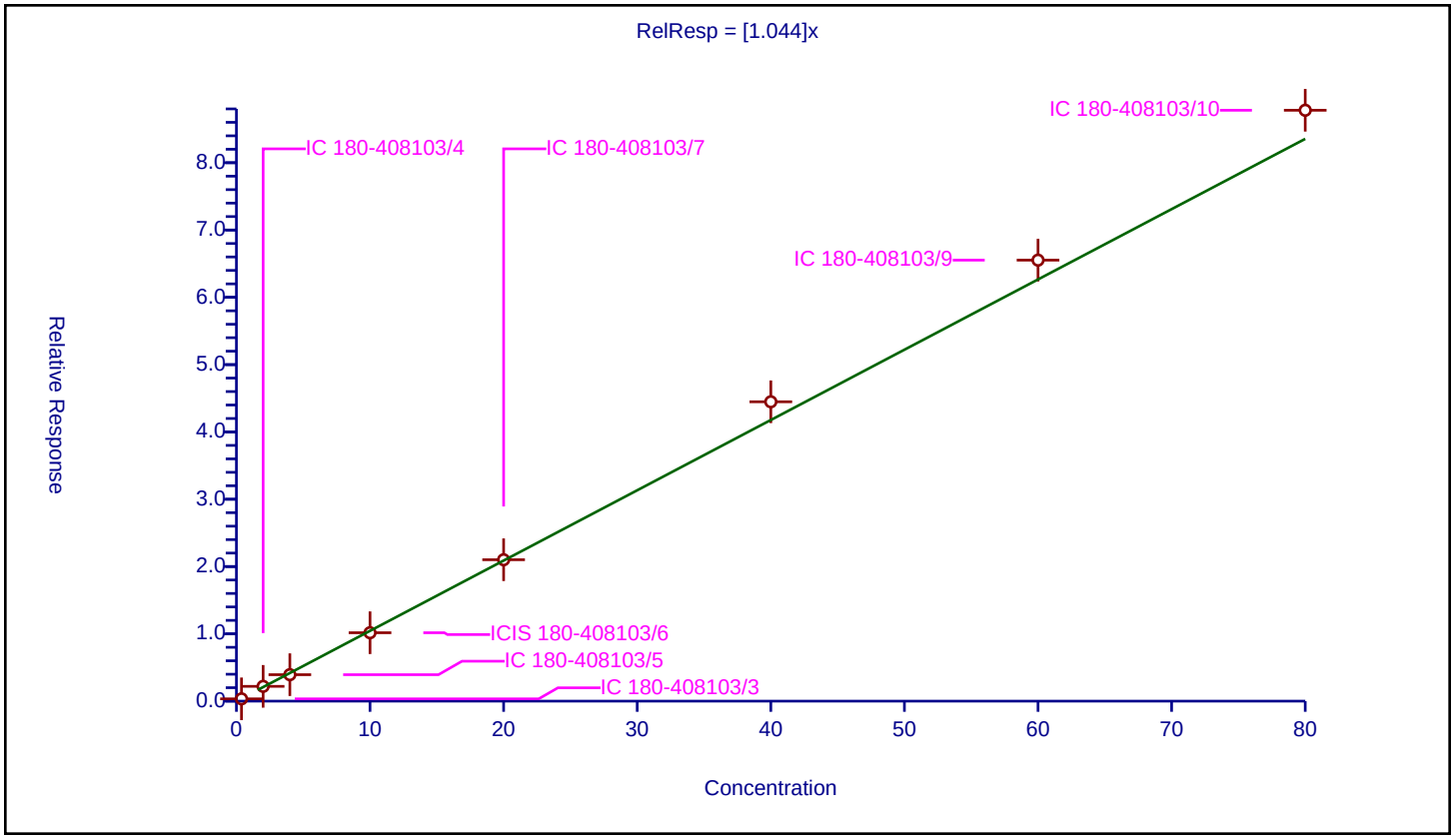
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	7.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.343491	8.0	245107.0	0.903923	Y
2	IC 180-408103/4	2.0	2.198141	8.0	209457.0	1.09907	Y
3	IC 180-408103/5	4.0	3.932004	8.0	230368.0	0.983001	Y
4	ICIS 180-408103/6	10.0	10.163308	8.0	191222.0	1.016331	Y
5	IC 180-408103/7	20.0	21.010133	8.0	245726.0	1.050507	Y
6	IC 180-408103/8	40.0	44.481144	8.0	202168.0	1.112029	Y
7	IC 180-408103/9	60.0	65.526992	8.0	201578.0	1.092117	Y
8	IC 180-408103/10	80.0	87.795608	8.0	209519.0	1.097445	Y



Calibration / Diethyl phthalate

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

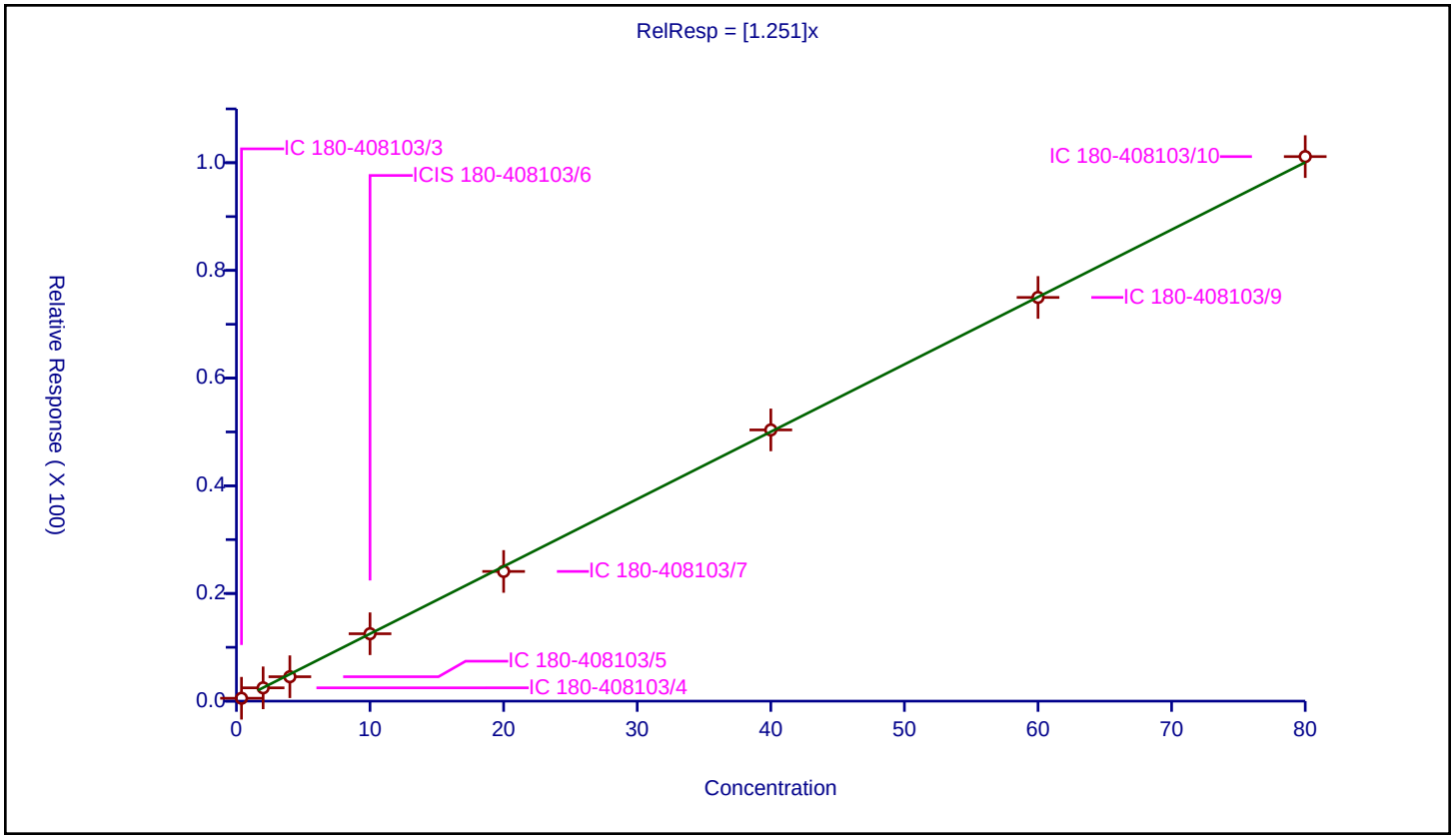
Curve Coefficients

Intercept:	0
Slope:	1.251

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.535244	8.0	245107.0	1.408536	Y
2	IC 180-408103/4	2.0	2.470273	8.0	209457.0	1.235137	Y
3	IC 180-408103/5	4.0	4.535283	8.0	230368.0	1.133821	Y
4	ICIS 180-408103/6	10.0	12.51994	8.0	191222.0	1.251994	Y
5	IC 180-408103/7	20.0	24.090898	8.0	245726.0	1.204545	Y
6	IC 180-408103/8	40.0	50.374777	8.0	202168.0	1.259369	Y
7	IC 180-408103/9	60.0	74.98096	8.0	201578.0	1.249683	Y
8	IC 180-408103/10	80.0	101.14046	8.0	209519.0	1.264256	Y



Calibration / Hexadecane

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

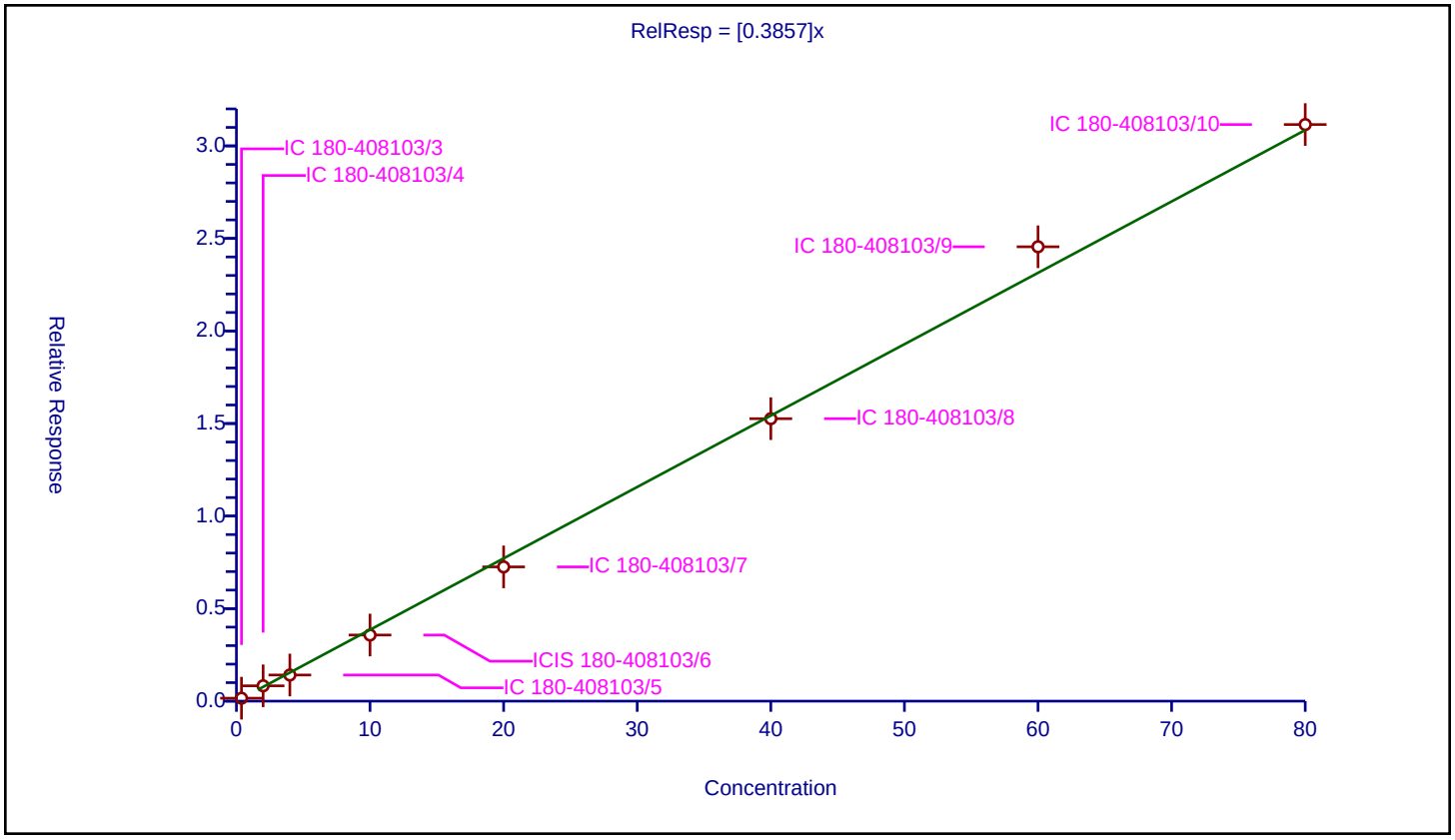
Curve Coefficients

Intercept:	0
Slope:	0.3857

Error Coefficients

Standard Error:	723000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.158849	8.0	399223.0	0.418023	Y
2	IC 180-408103/4	2.0	0.828594	8.0	354847.0	0.414297	Y
3	IC 180-408103/5	4.0	1.412081	8.0	390108.0	0.35302	Y
4	ICIS 180-408103/6	10.0	3.573147	8.0	336678.0	0.357315	Y
5	IC 180-408103/7	20.0	7.253273	8.0	404464.0	0.362664	Y
6	IC 180-408103/8	40.0	15.261662	8.0	354905.0	0.381542	Y
7	IC 180-408103/9	60.0	24.550173	8.0	335211.0	0.40917	Y
8	IC 180-408103/10	80.0	31.153801	8.0	361617.0	0.389423	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

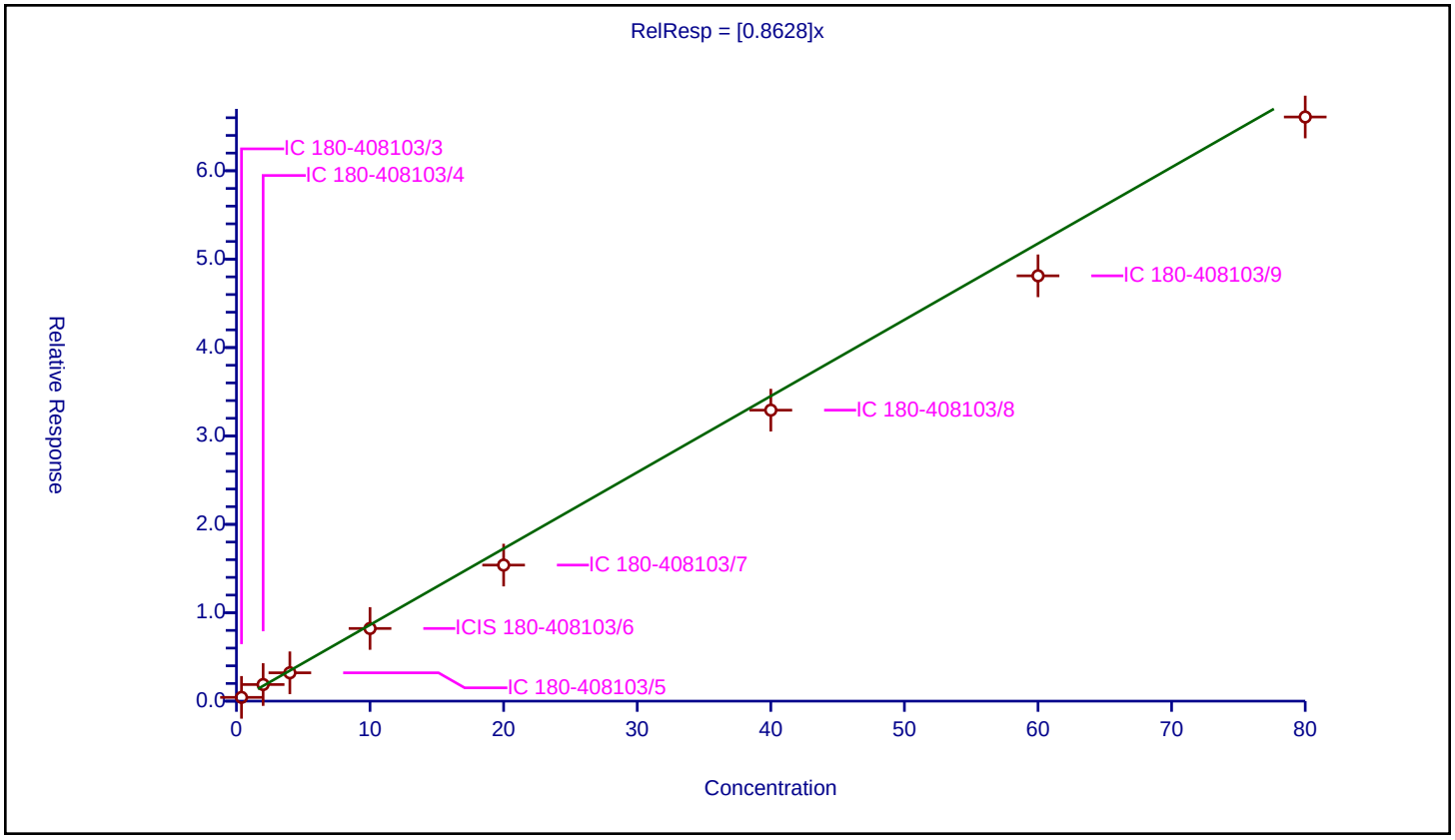
Curve Coefficients

Intercept:	0
Slope:	0.8628

Error Coefficients

Standard Error:	881000
Relative Standard Error:	13.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.424925	8.0	245107.0	1.118223	Y
2	IC 180-408103/4	2.0	1.878534	8.0	209457.0	0.939267	Y
3	IC 180-408103/5	4.0	3.208501	8.0	230368.0	0.802125	Y
4	ICIS 180-408103/6	10.0	8.221857	8.0	191222.0	0.822186	Y
5	IC 180-408103/7	20.0	15.391289	8.0	245726.0	0.769564	Y
6	IC 180-408103/8	40.0	32.918642	8.0	202168.0	0.822966	Y
7	IC 180-408103/9	60.0	48.116679	8.0	201578.0	0.801945	Y
8	IC 180-408103/10	80.0	66.084393	8.0	209519.0	0.826055	Y



Calibration / Fluorene

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

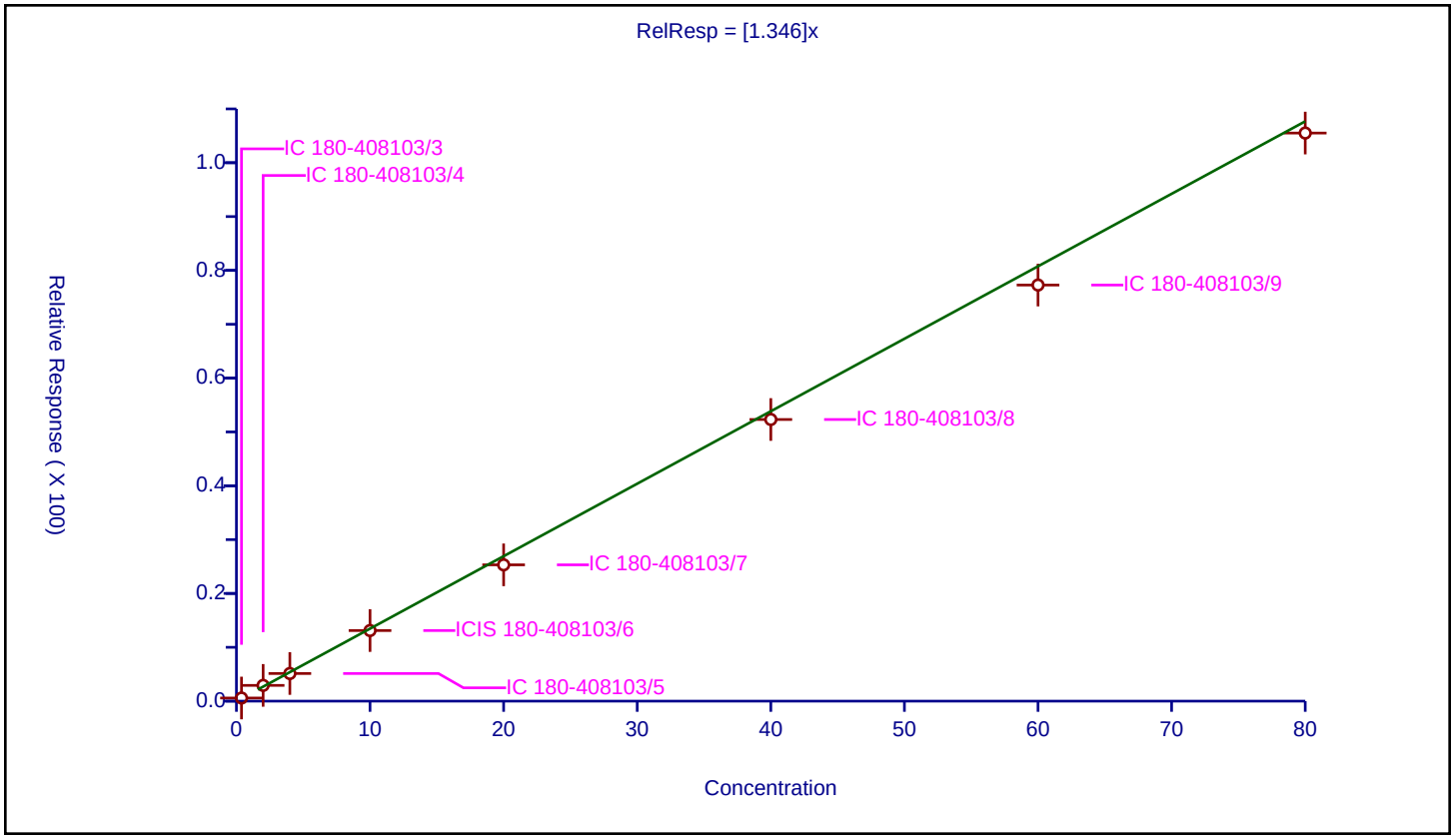
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.581624	8.0	245107.0	1.530588	Y
2	IC 180-408103/4	2.0	2.926386	8.0	209457.0	1.463193	Y
3	IC 180-408103/5	4.0	5.132553	8.0	230368.0	1.283138	Y
4	ICIS 180-408103/6	10.0	13.113387	8.0	191222.0	1.311339	Y
5	IC 180-408103/7	20.0	25.3147	8.0	245726.0	1.265735	Y
6	IC 180-408103/8	40.0	52.308219	8.0	202168.0	1.307705	Y
7	IC 180-408103/9	60.0	77.283315	8.0	201578.0	1.288055	Y
8	IC 180-408103/10	80.0	105.510851	8.0	209519.0	1.318886	Y



Calibration / 4-Nitroaniline

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

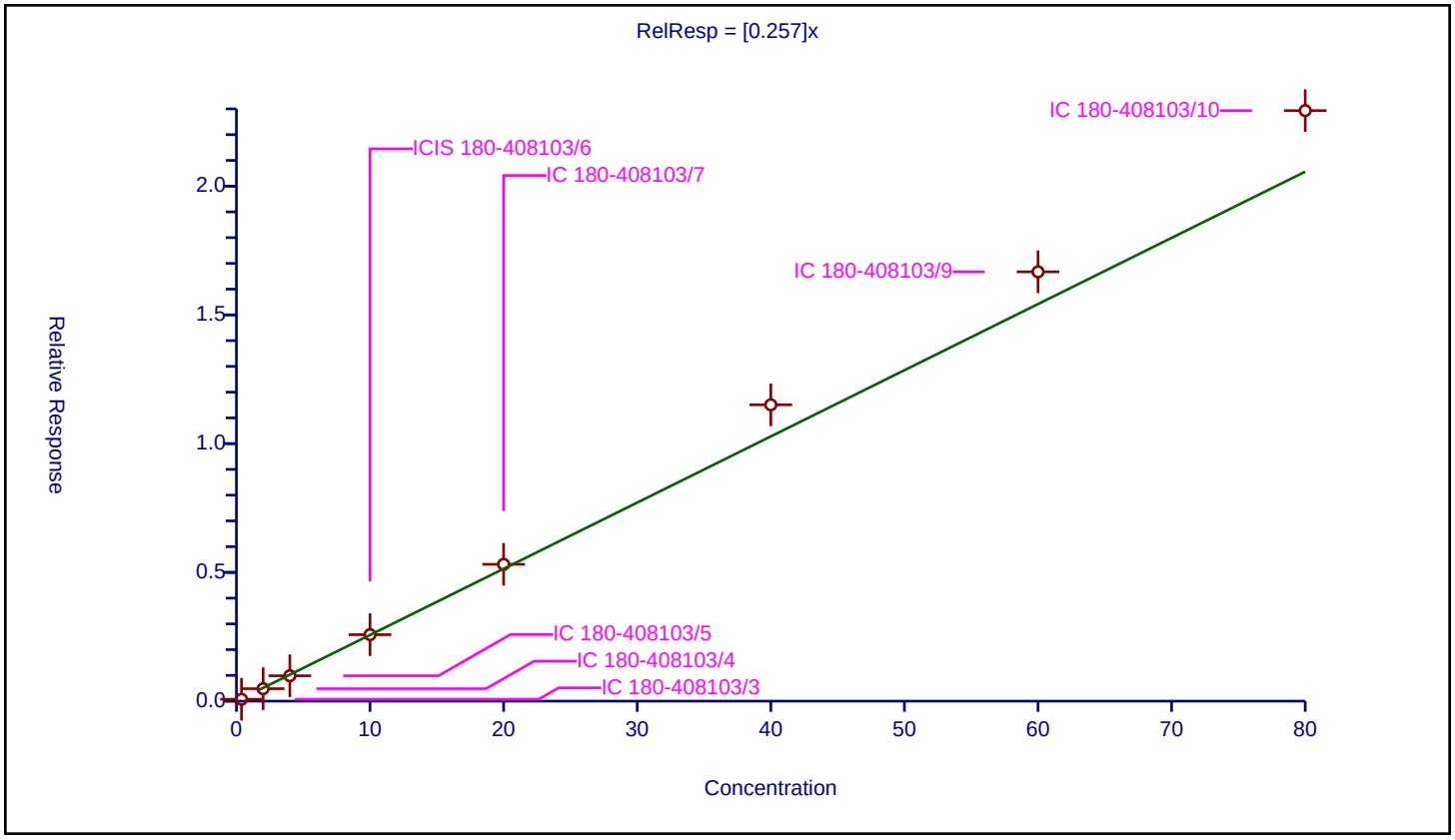
Curve Coefficients

Intercept:	0
Slope:	0.257

Error Coefficients

Standard Error:	305000
Relative Standard Error:	12.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.07298	8.0	245107.0	0.192054	Y
2	IC 180-408103/4	2.0	0.483269	8.0	209457.0	0.241634	Y
3	IC 180-408103/5	4.0	0.985033	8.0	230368.0	0.246258	Y
4	ICIS 180-408103/6	10.0	2.581669	8.0	191222.0	0.258167	Y
5	IC 180-408103/7	20.0	5.313756	8.0	245726.0	0.265688	Y
6	IC 180-408103/8	40.0	11.509279	8.0	202168.0	0.287732	Y
7	IC 180-408103/9	60.0	16.672613	8.0	201578.0	0.277877	Y
8	IC 180-408103/10	80.0	22.932565	8.0	209519.0	0.286657	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

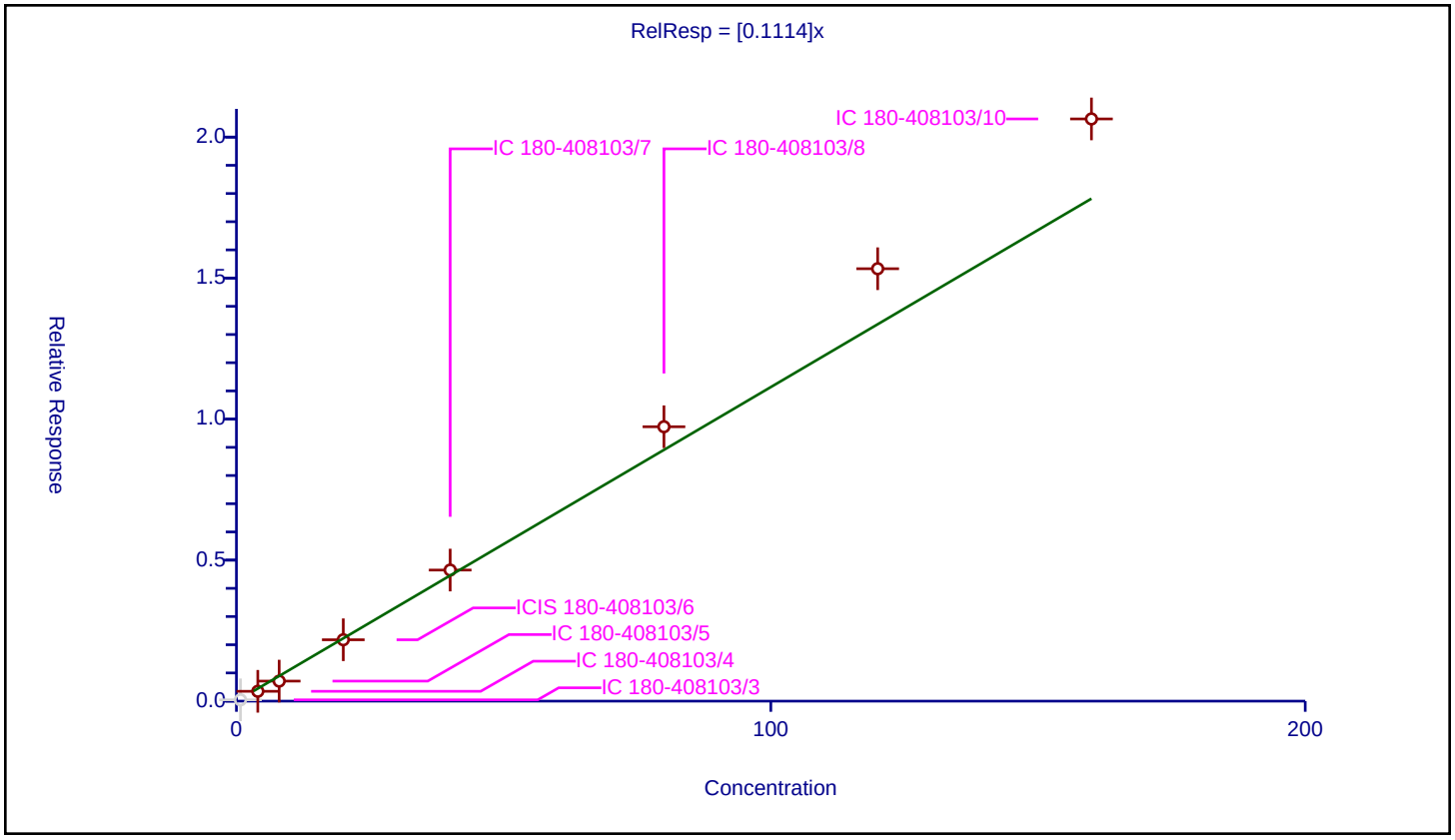
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Standard Error:	628000
Relative Standard Error:	15.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.76	0.046072	8.0	497130.0	0.060622	N
2	IC 180-408103/4	4.0	0.348811	8.0	414414.0	0.087203	Y
3	IC 180-408103/5	8.0	0.710962	8.0	437458.0	0.08887	Y
4	ICIS 180-408103/6	20.0	2.176432	8.0	387368.0	0.108822	Y
5	IC 180-408103/7	40.0	4.648248	8.0	499118.0	0.116206	Y
6	IC 180-408103/8	80.0	9.72941	8.0	429839.0	0.121618	Y
7	IC 180-408103/9	120.0	15.333067	8.0	415850.0	0.127776	Y
8	IC 180-408103/10	160.0	20.643994	8.0	451532.0	0.129025	Y



Calibration / N-Nitrosodiphenylamine

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

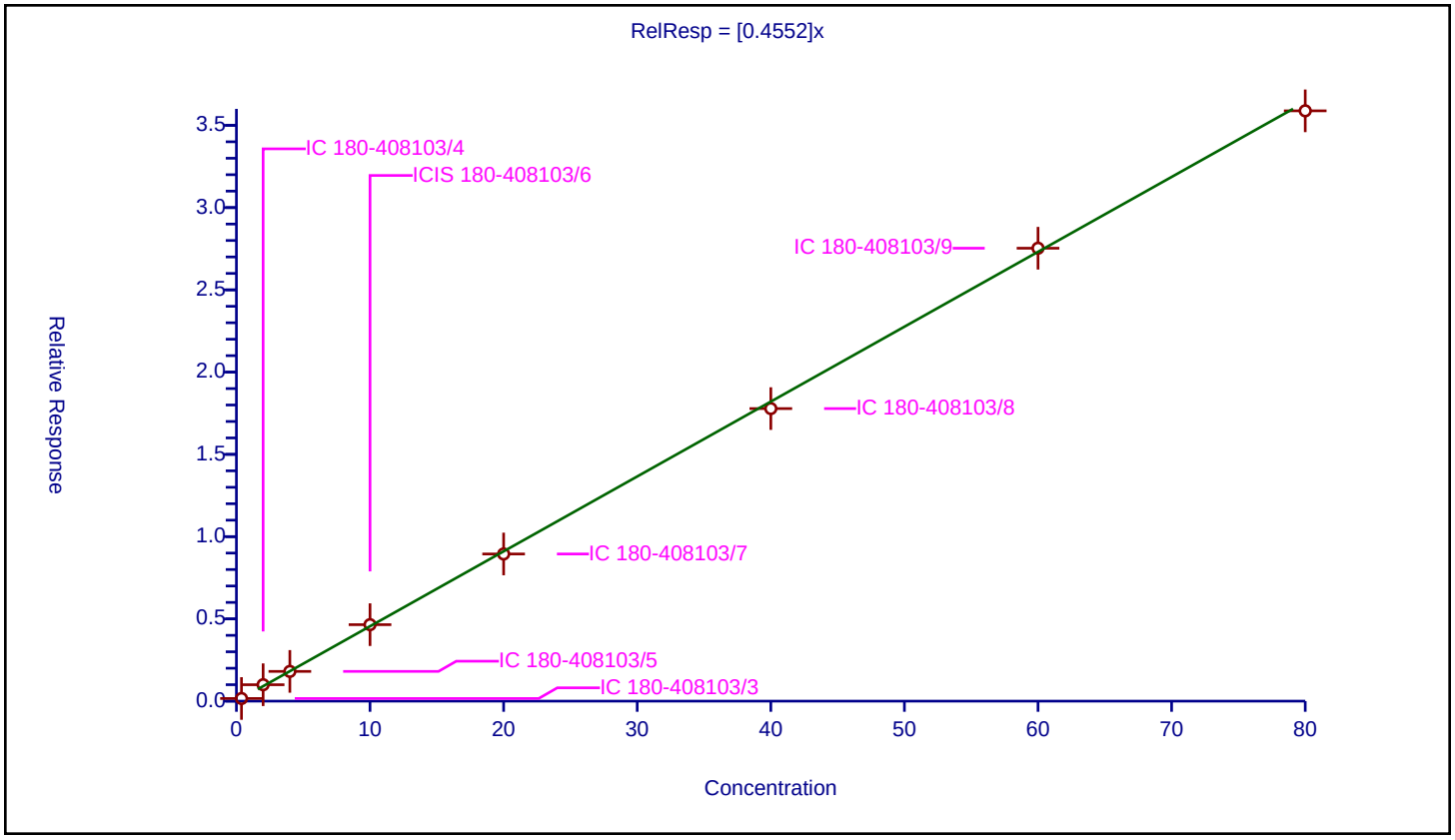
Curve Coefficients

Intercept:	0
Slope:	0.4552

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.161809	8.0	497130.0	0.425813	Y
2	IC 180-408103/4	2.0	0.998847	8.0	414414.0	0.499423	Y
3	IC 180-408103/5	4.0	1.808356	8.0	437458.0	0.452089	Y
4	ICIS 180-408103/6	10.0	4.649284	8.0	387368.0	0.464928	Y
5	IC 180-408103/7	20.0	8.945764	8.0	499118.0	0.447288	Y
6	IC 180-408103/8	40.0	17.782863	8.0	429839.0	0.444572	Y
7	IC 180-408103/9	60.0	27.531754	8.0	415850.0	0.458863	Y
8	IC 180-408103/10	80.0	35.881275	8.0	451532.0	0.448516	Y



Calibration / 1,2-Diphenylhydrazine

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

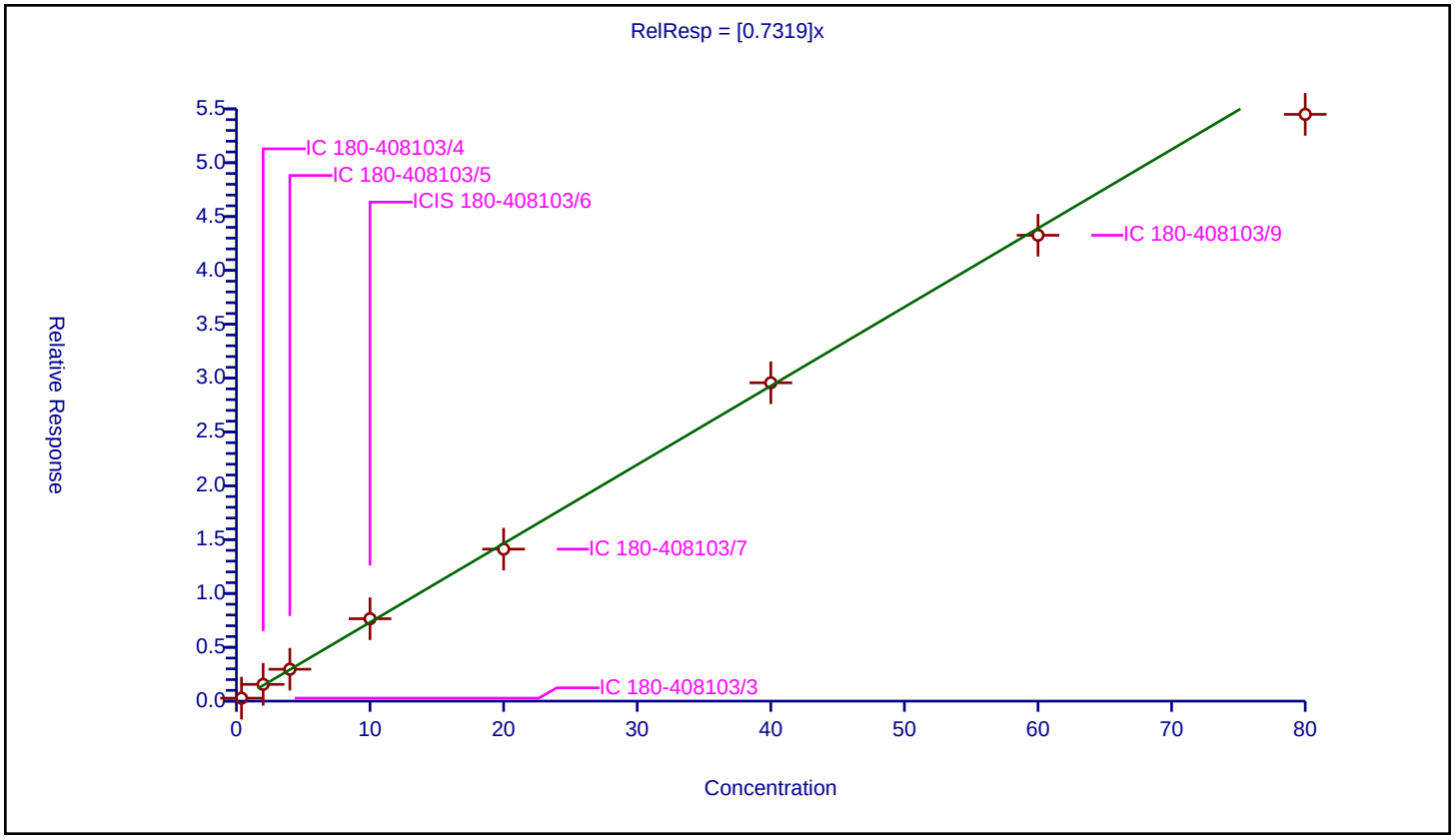
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.2746	8.0	497130.0	0.722632	Y
2	IC 180-408103/4	2.0	1.558055	8.0	414414.0	0.779028	Y
3	IC 180-408103/5	4.0	2.96257	8.0	437458.0	0.740643	Y
4	ICIS 180-408103/6	10.0	7.652217	8.0	387368.0	0.765222	Y
5	IC 180-408103/7	20.0	14.117447	8.0	499118.0	0.705872	Y
6	IC 180-408103/8	40.0	29.566382	8.0	429839.0	0.73916	Y
7	IC 180-408103/9	60.0	43.266928	8.0	415850.0	0.721115	Y
8	IC 180-408103/10	80.0	54.491908	8.0	451532.0	0.681149	Y



Calibration / Azobenzene

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

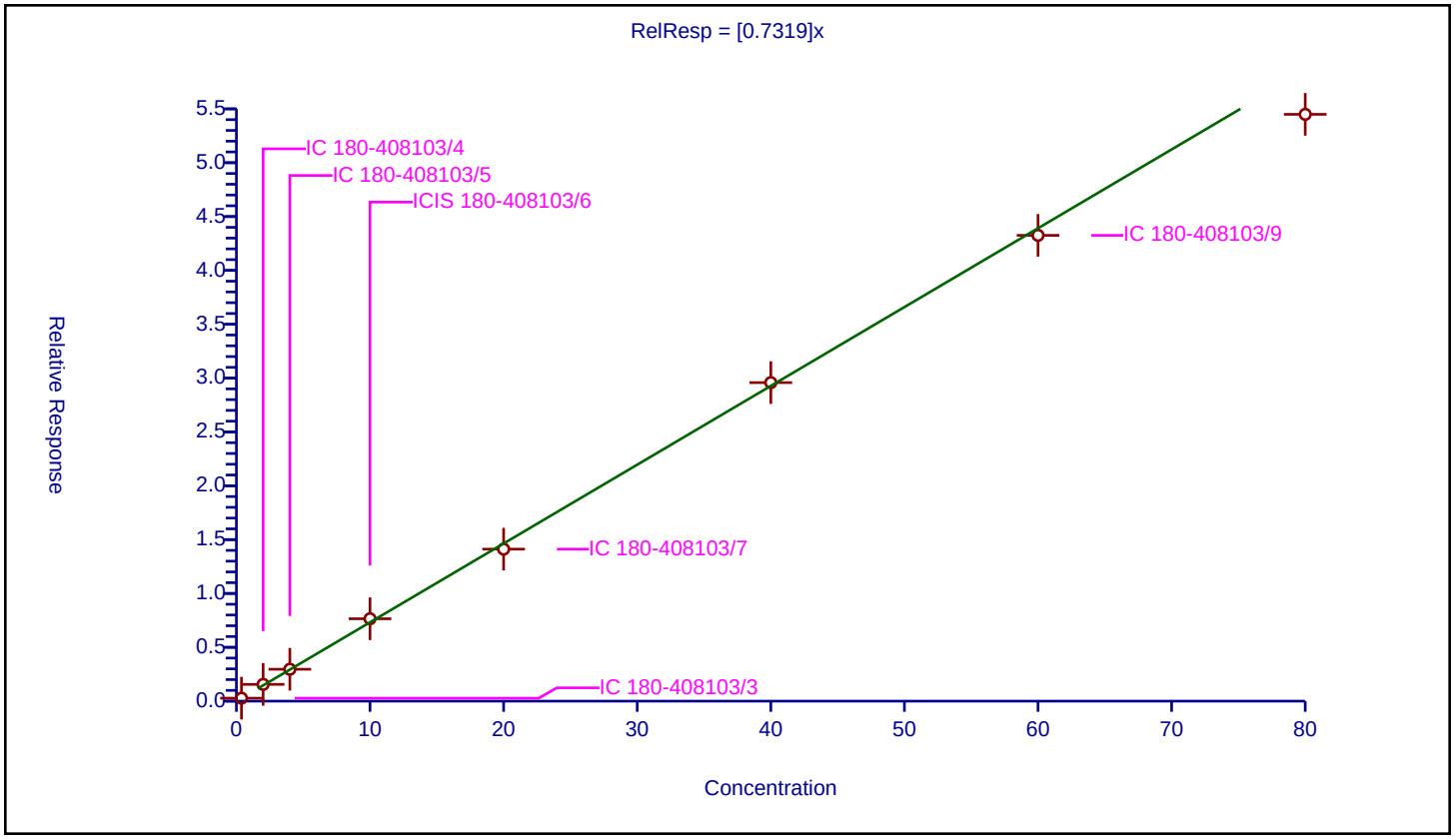
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.2746	8.0	497130.0	0.722632	Y
2	IC 180-408103/4	2.0	1.558055	8.0	414414.0	0.779028	Y
3	IC 180-408103/5	4.0	2.96257	8.0	437458.0	0.740643	Y
4	ICIS 180-408103/6	10.0	7.652217	8.0	387368.0	0.765222	Y
5	IC 180-408103/7	20.0	14.117447	8.0	499118.0	0.705872	Y
6	IC 180-408103/8	40.0	29.581439	8.0	429839.0	0.739536	Y
7	IC 180-408103/9	60.0	43.25652	8.0	415850.0	0.720942	Y
8	IC 180-408103/10	80.0	54.491908	8.0	451532.0	0.681149	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

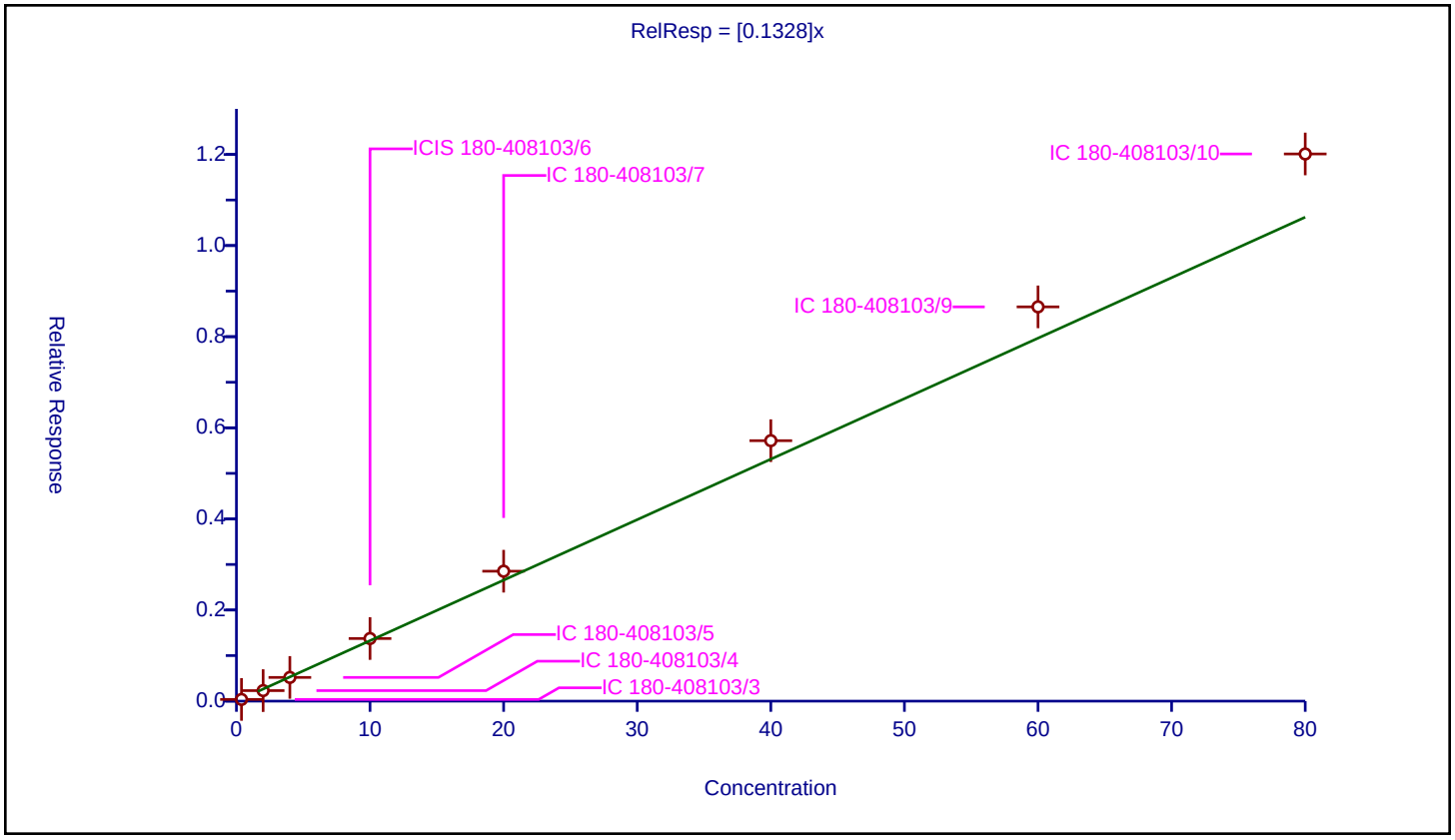
Curve Coefficients

Intercept:	0
Slope:	0.1328

Error Coefficients

Standard Error:	337000
Relative Standard Error:	13.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.037672	8.0	497130.0	0.099137	Y
2	IC 180-408103/4	2.0	0.231189	8.0	414414.0	0.115595	Y
3	IC 180-408103/5	4.0	0.520681	8.0	437458.0	0.13017	Y
4	ICIS 180-408103/6	10.0	1.374693	8.0	387368.0	0.137469	Y
5	IC 180-408103/7	20.0	2.851927	8.0	499118.0	0.142596	Y
6	IC 180-408103/8	40.0	5.717527	8.0	429839.0	0.142938	Y
7	IC 180-408103/9	60.0	8.65439	8.0	415850.0	0.14424	Y
8	IC 180-408103/10	80.0	12.010879	8.0	451532.0	0.150136	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

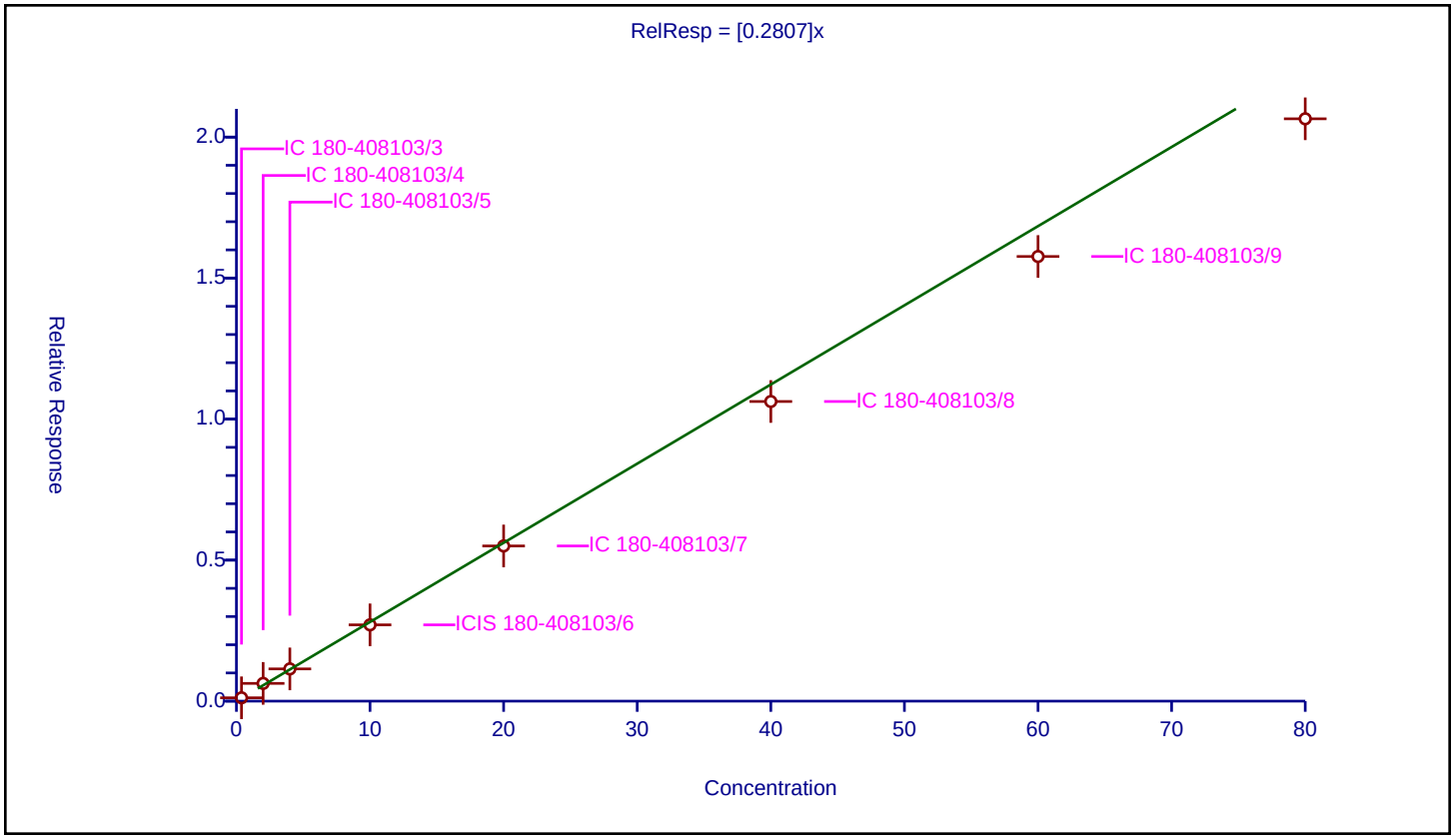
Curve Coefficients

Intercept:	0
Slope:	0.2807

Error Coefficients

Standard Error:	597000
Relative Standard Error:	7.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.118939	8.0	497130.0	0.312997	Y
2	IC 180-408103/4	2.0	0.629091	8.0	414414.0	0.314545	Y
3	IC 180-408103/5	4.0	1.143205	8.0	437458.0	0.285801	Y
4	ICIS 180-408103/6	10.0	2.705603	8.0	387368.0	0.27056	Y
5	IC 180-408103/7	20.0	5.502282	8.0	499118.0	0.275114	Y
6	IC 180-408103/8	40.0	10.624722	8.0	429839.0	0.265618	Y
7	IC 180-408103/9	60.0	15.765935	8.0	415850.0	0.262766	Y
8	IC 180-408103/10	80.0	20.648937	8.0	451532.0	0.258112	Y



Calibration / Hexachlorobenzene

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

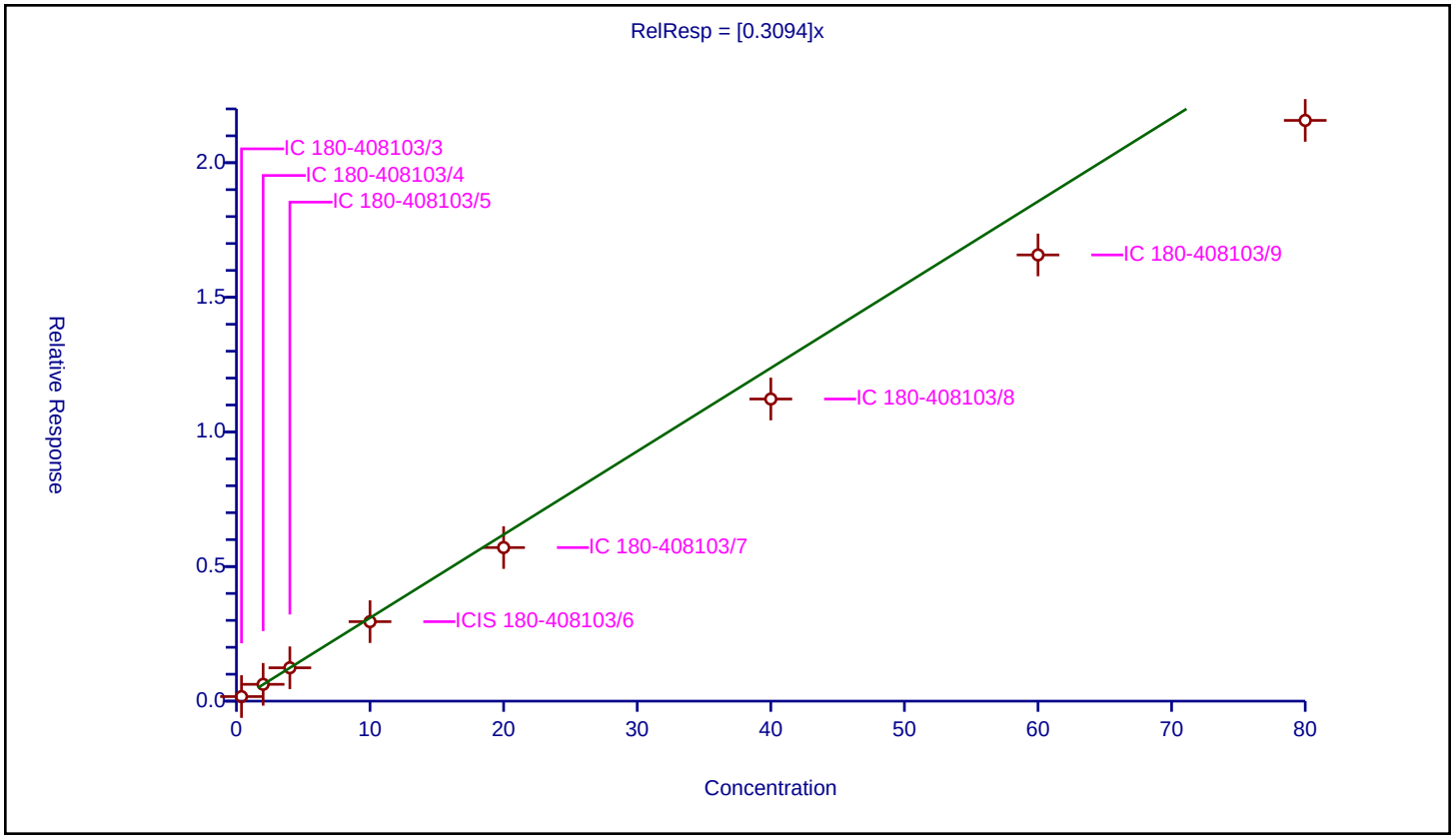
Curve Coefficients

Intercept:	0
Slope:	0.3094

Error Coefficients

Standard Error:	626000
Relative Standard Error:	18.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.16934	8.0	497130.0	0.445632	Y
2	IC 180-408103/4	2.0	0.625056	8.0	414414.0	0.312528	Y
3	IC 180-408103/5	4.0	1.238683	8.0	437458.0	0.309671	Y
4	ICIS 180-408103/6	10.0	2.952748	8.0	387368.0	0.295275	Y
5	IC 180-408103/7	20.0	5.7052	8.0	499118.0	0.28526	Y
6	IC 180-408103/8	40.0	11.222509	8.0	429839.0	0.280563	Y
7	IC 180-408103/9	60.0	16.575227	8.0	415850.0	0.276254	Y
8	IC 180-408103/10	80.0	21.572549	8.0	451532.0	0.269657	Y



Calibration / Atrazine

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

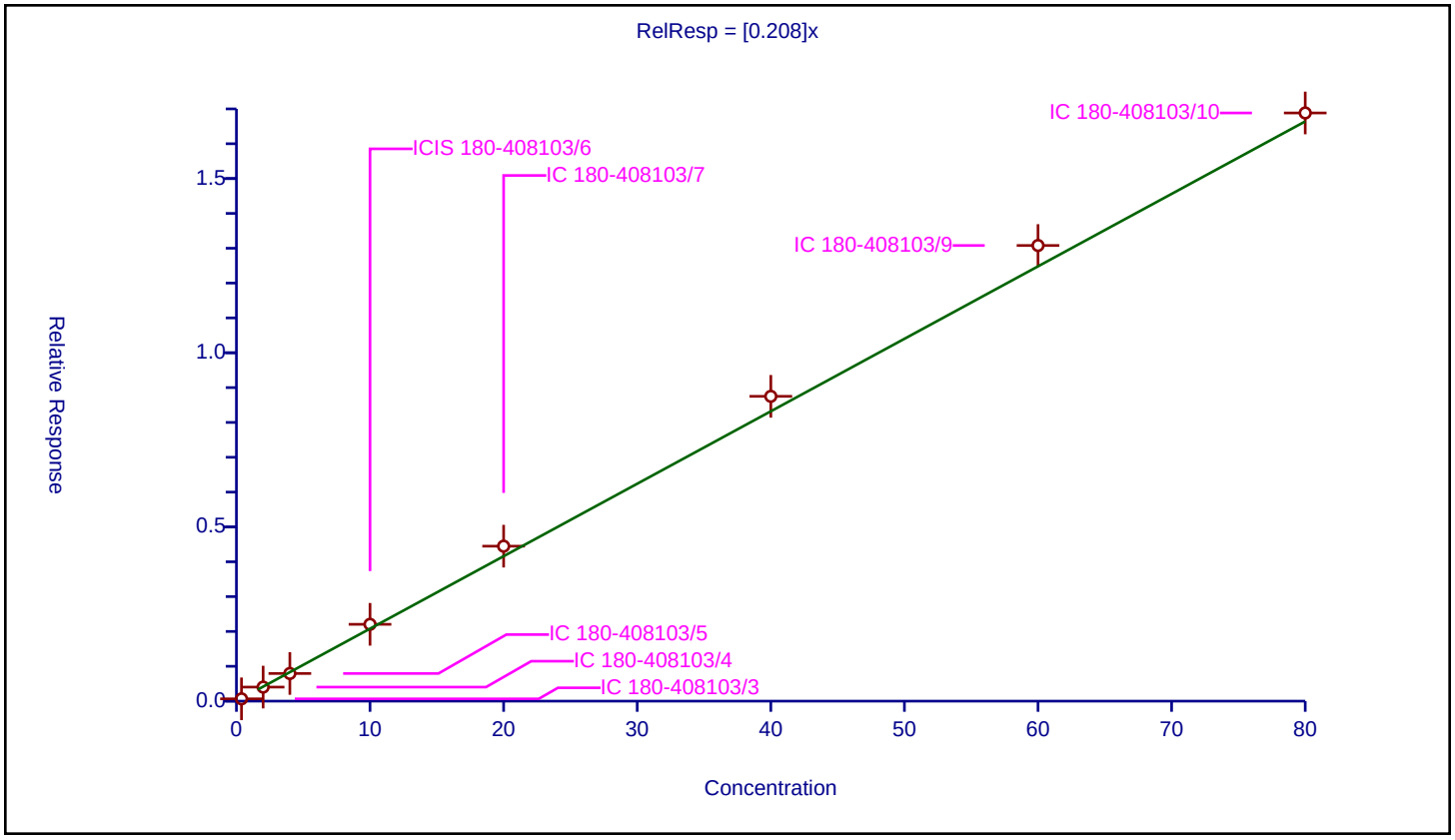
Curve Coefficients

Intercept:	0
Slope:	0.208

Error Coefficients

Standard Error:	490000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.065914	8.0	497130.0	0.173459	Y
2	IC 180-408103/4	2.0	0.402901	8.0	414414.0	0.201451	Y
3	IC 180-408103/5	4.0	0.793621	8.0	437458.0	0.198405	Y
4	ICIS 180-408103/6	10.0	2.205407	8.0	387368.0	0.220541	Y
5	IC 180-408103/7	20.0	4.448199	8.0	499118.0	0.22241	Y
6	IC 180-408103/8	40.0	8.749248	8.0	429839.0	0.218731	Y
7	IC 180-408103/9	60.0	13.079004	8.0	415850.0	0.217983	Y
8	IC 180-408103/10	80.0	16.883038	8.0	451532.0	0.211038	Y



Calibration / Pentachlorophenol

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

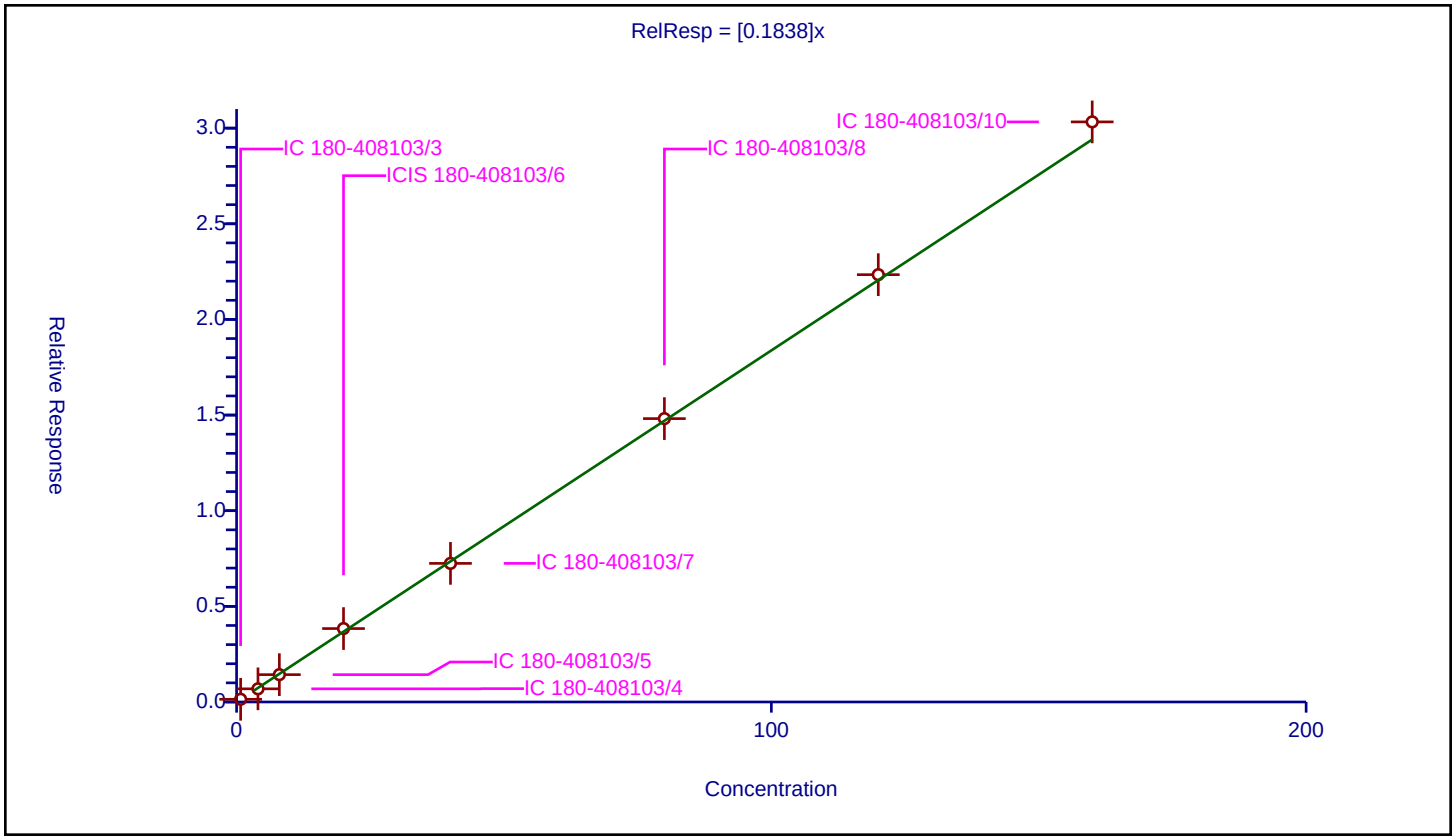
Curve Coefficients

Intercept:	0
Slope:	0.1838

Error Coefficients

Standard Error:	858000
Relative Standard Error:	3.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.76	0.141034	8.0	497130.0	0.18557	Y
2	IC 180-408103/4	4.0	0.687911	8.0	414414.0	0.171978	Y
3	IC 180-408103/5	8.0	1.430336	8.0	437458.0	0.178792	Y
4	ICIS 180-408103/6	20.0	3.838107	8.0	387368.0	0.191905	Y
5	IC 180-408103/7	40.0	7.245405	8.0	499118.0	0.181135	Y
6	IC 180-408103/8	80.0	14.814514	8.0	429839.0	0.185181	Y
7	IC 180-408103/9	120.0	22.340344	8.0	415850.0	0.18617	Y
8	IC 180-408103/10	160.0	30.326869	8.0	451532.0	0.189543	Y



Calibration / n-Octadecane

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

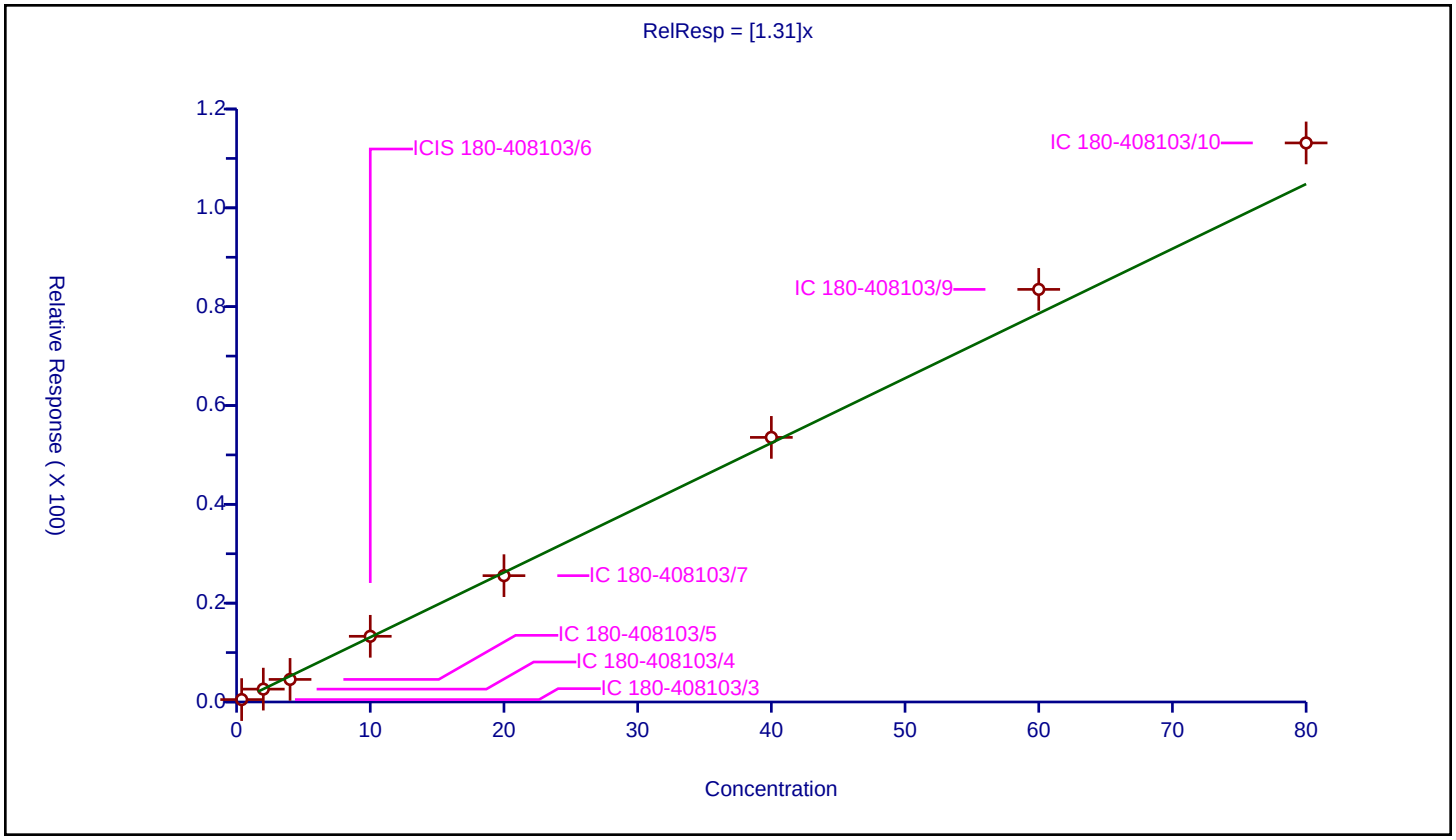
Curve Coefficients

Intercept:	0
Slope:	1.31

Error Coefficients

Standard Error:	773000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.48821	8.0	113361.0	1.284764	Y
2	IC 180-408103/4	2.0	2.60544	8.0	106663.0	1.30272	Y
3	IC 180-408103/5	4.0	4.569507	8.0	117751.0	1.142377	Y
4	ICIS 180-408103/6	10.0	13.295023	8.0	97938.0	1.329502	Y
5	IC 180-408103/7	20.0	25.564546	8.0	121666.0	1.278227	Y
6	IC 180-408103/8	40.0	53.547956	8.0	107401.0	1.338699	Y
7	IC 180-408103/9	60.0	83.49788	8.0	103768.0	1.391631	Y
8	IC 180-408103/10	80.0	113.135906	8.0	107523.0	1.414199	Y



Calibration / Phenanthrene

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

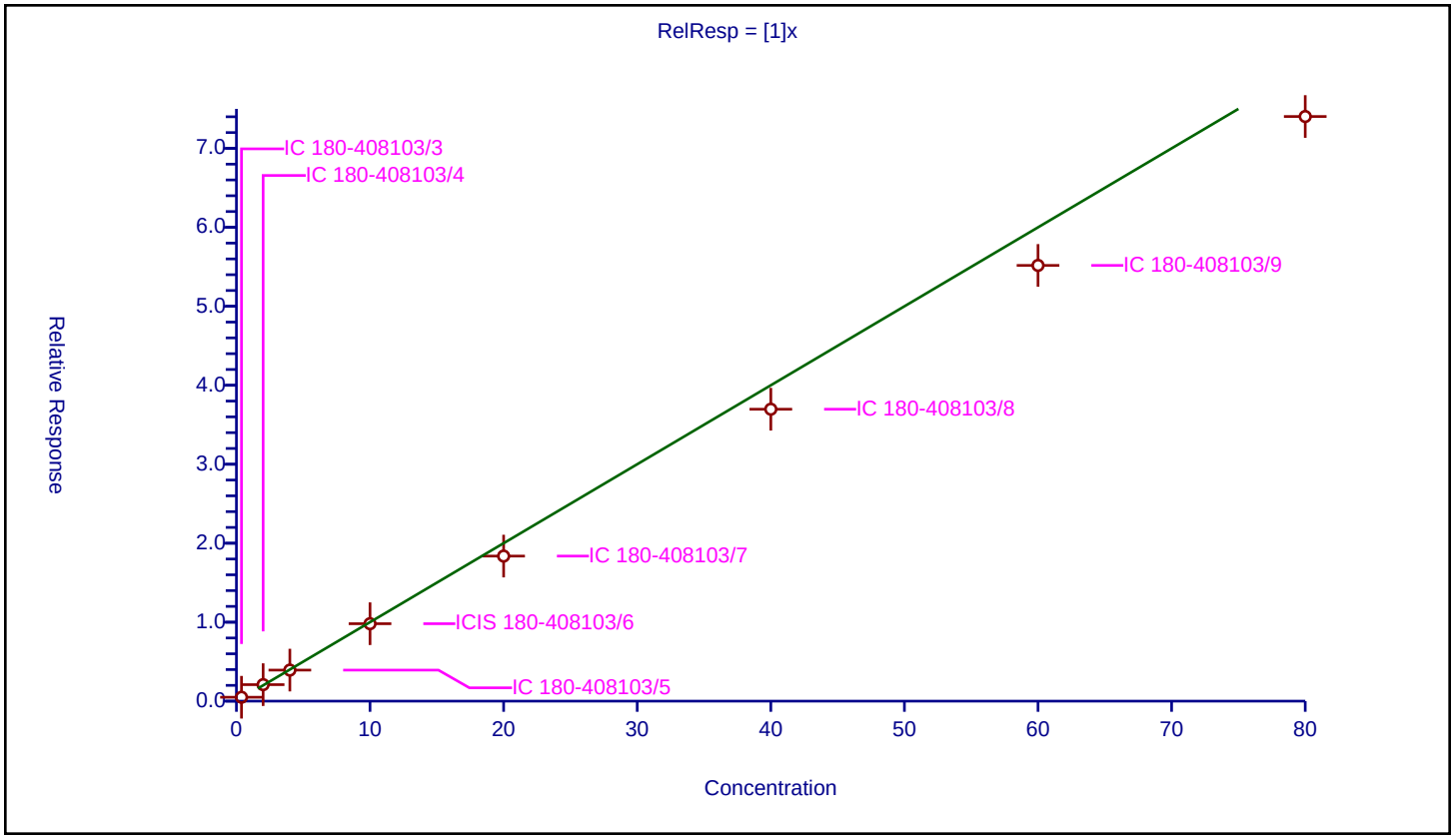
Curve Coefficients

Intercept:	0
Slope:	1

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	13.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.495066	8.0	497130.0	1.302804	Y
2	IC 180-408103/4	2.0	2.090875	8.0	414414.0	1.045438	Y
3	IC 180-408103/5	4.0	3.932263	8.0	437458.0	0.983066	Y
4	ICIS 180-408103/6	10.0	9.807583	8.0	387368.0	0.980758	Y
5	IC 180-408103/7	20.0	18.370502	8.0	499118.0	0.918525	Y
6	IC 180-408103/8	40.0	36.969042	8.0	429839.0	0.924226	Y
7	IC 180-408103/9	60.0	55.176318	8.0	415850.0	0.919605	Y
8	IC 180-408103/10	80.0	74.034354	8.0	451532.0	0.925429	Y



Calibration / Anthracene

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

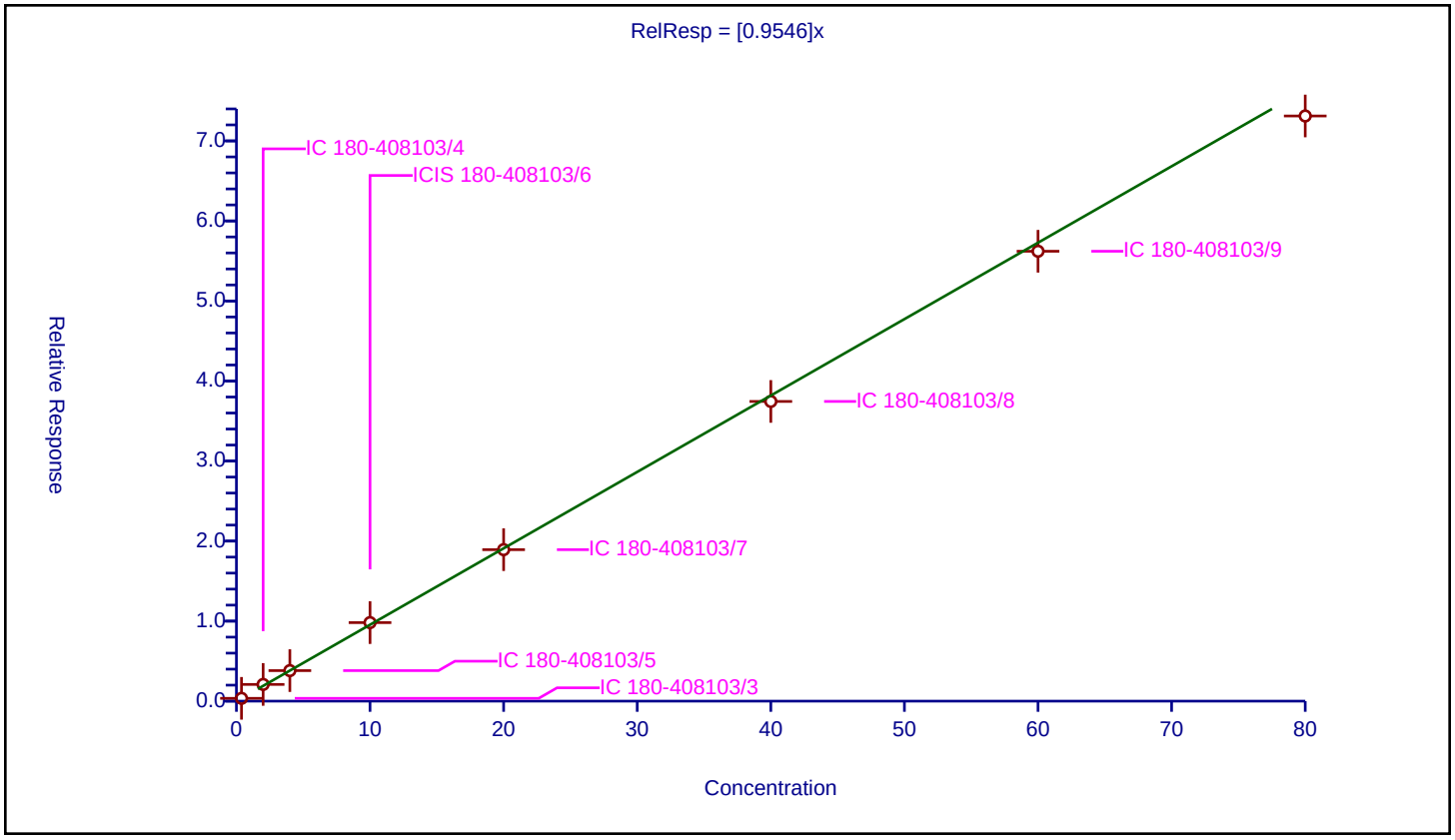
Curve Coefficients

Intercept:	0
Slope:	0.9546

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	4.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.351554	8.0	497130.0	0.925142	Y
2	IC 180-408103/4	2.0	2.087825	8.0	414414.0	1.043913	Y
3	IC 180-408103/5	4.0	3.814254	8.0	437458.0	0.953564	Y
4	ICIS 180-408103/6	10.0	9.812354	8.0	387368.0	0.981235	Y
5	IC 180-408103/7	20.0	18.926378	8.0	499118.0	0.946319	Y
6	IC 180-408103/8	40.0	37.447937	8.0	429839.0	0.936198	Y
7	IC 180-408103/9	60.0	56.212288	8.0	415850.0	0.936871	Y
8	IC 180-408103/10	80.0	73.116023	8.0	451532.0	0.91395	Y



Calibration / Carbazole

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

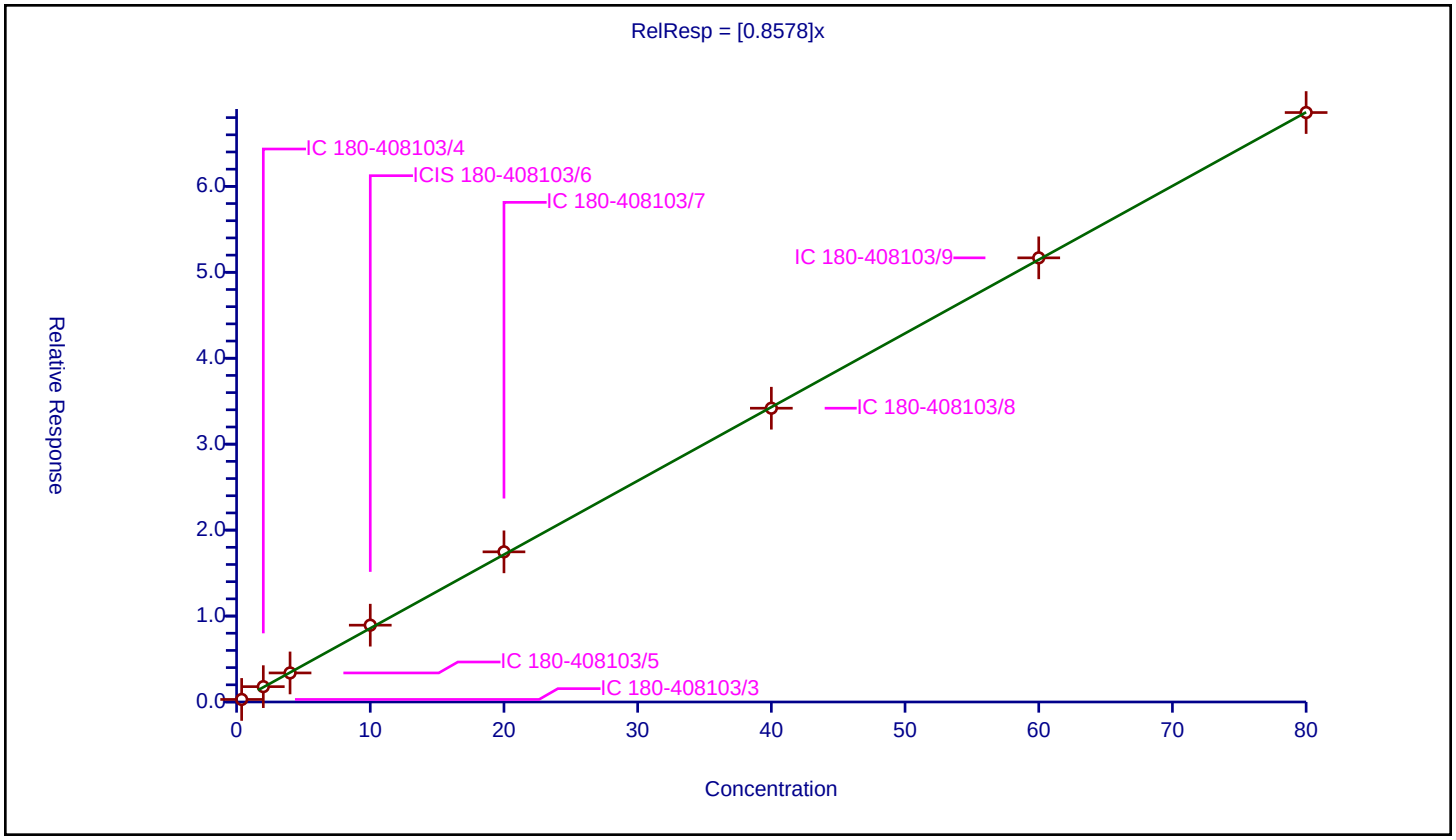
Curve Coefficients

Intercept:	0
Slope:	0.8578

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	4.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.297773	8.0	497130.0	0.783614	Y
2	IC 180-408103/4	2.0	1.785519	8.0	414414.0	0.892759	Y
3	IC 180-408103/5	4.0	3.381353	8.0	437458.0	0.845338	Y
4	ICIS 180-408103/6	10.0	8.937506	8.0	387368.0	0.893751	Y
5	IC 180-408103/7	20.0	17.471123	8.0	499118.0	0.873556	Y
6	IC 180-408103/8	40.0	34.18426	8.0	429839.0	0.854606	Y
7	IC 180-408103/9	60.0	51.681981	8.0	415850.0	0.861366	Y
8	IC 180-408103/10	80.0	68.5907	8.0	451532.0	0.857384	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

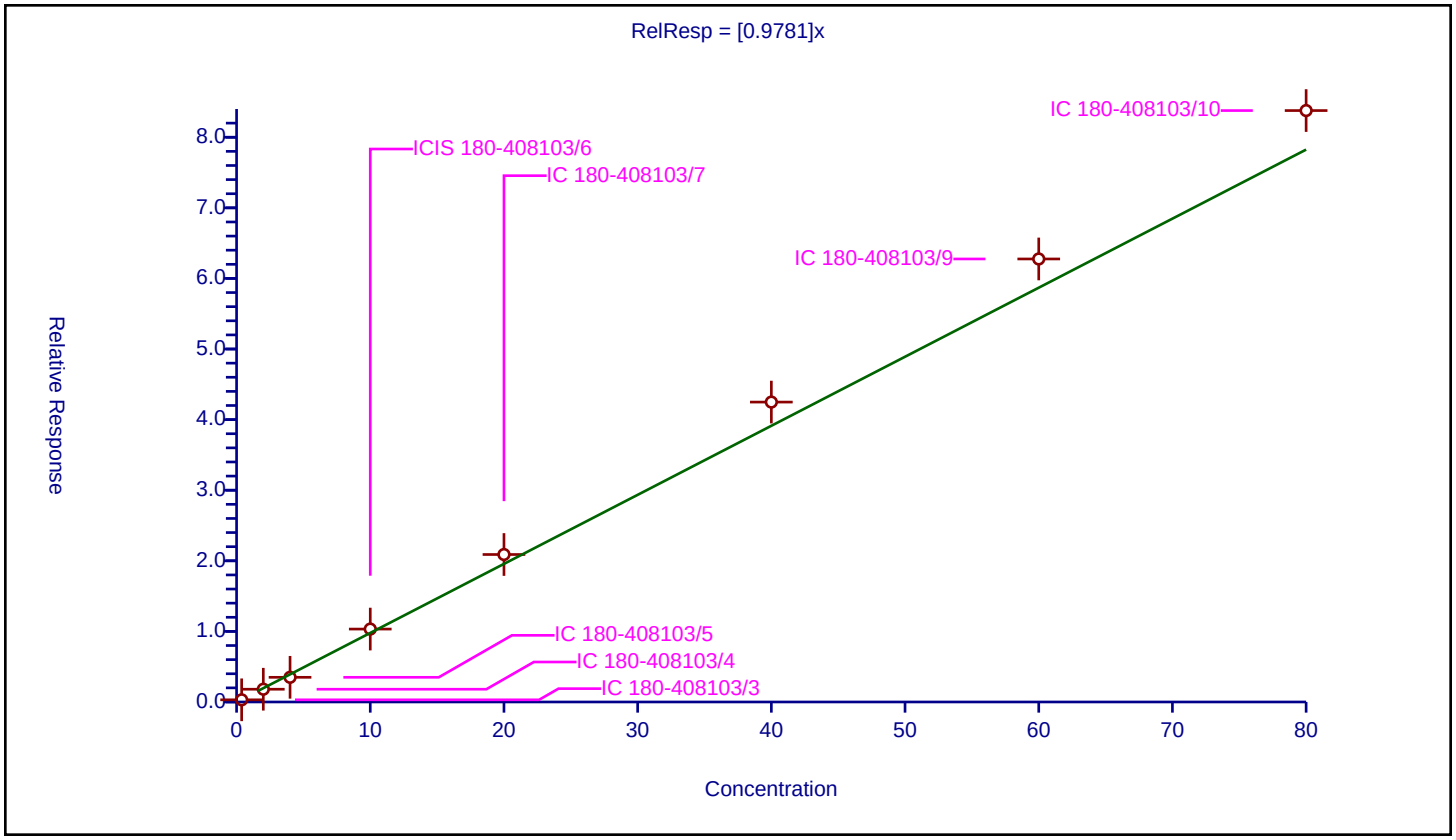
Curve Coefficients

Intercept:	0
Slope:	0.9781

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.309247	8.0	497130.0	0.813808	Y
2	IC 180-408103/4	2.0	1.808375	8.0	414414.0	0.904188	Y
3	IC 180-408103/5	4.0	3.496656	8.0	437458.0	0.874164	Y
4	ICIS 180-408103/6	10.0	10.329237	8.0	387368.0	1.032924	Y
5	IC 180-408103/7	20.0	20.891525	8.0	499118.0	1.044576	Y
6	IC 180-408103/8	40.0	42.484819	8.0	429839.0	1.06212	Y
7	IC 180-408103/9	60.0	62.757552	8.0	415850.0	1.045959	Y
8	IC 180-408103/10	80.0	83.78204	8.0	451532.0	1.047275	Y



Calibration / Fluoranthene

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

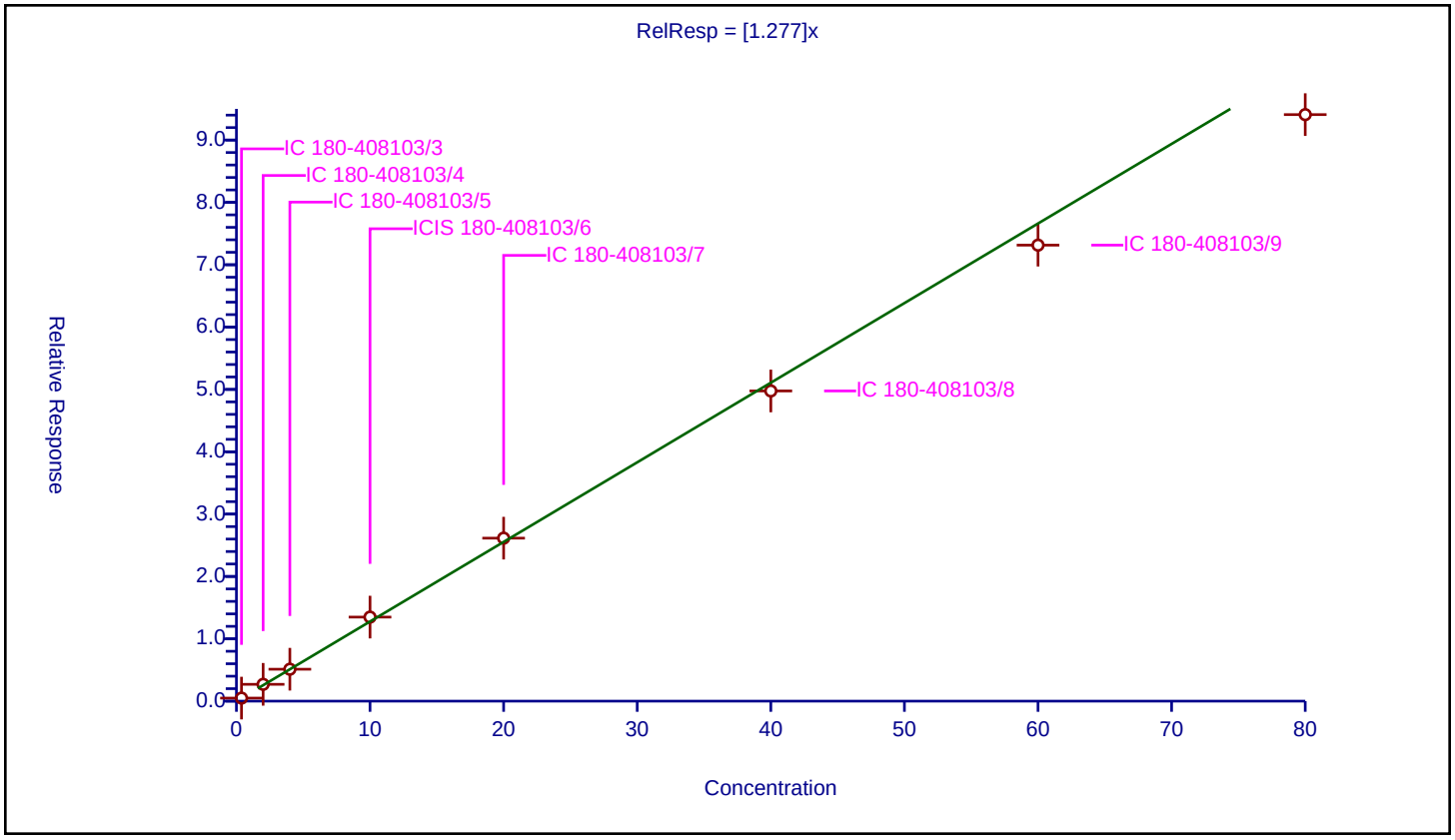
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Standard Error:	2750000
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 180-408103/3	0.38	0.491075	8.0	497130.0	1.292302	Y
2	IC 180-408103/4	2.0	2.696009	8.0	414414.0	1.348005	Y
3	IC 180-408103/5	4.0	5.122265	8.0	437458.0	1.280566	Y
4	ICIS 180-408103/6	10.0	13.480577	8.0	387368.0	1.348058	Y
5	IC 180-408103/7	20.0	26.144134	8.0	499118.0	1.307207	Y
6	IC 180-408103/8	40.0	49.756844	8.0	429839.0	1.243921	Y
7	IC 180-408103/9	60.0	73.143066	8.0	415850.0	1.219051	Y
8	IC 180-408103/10	80.0	94.079551	8.0	451532.0	1.175994	Y



Calibration / Benzidine

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

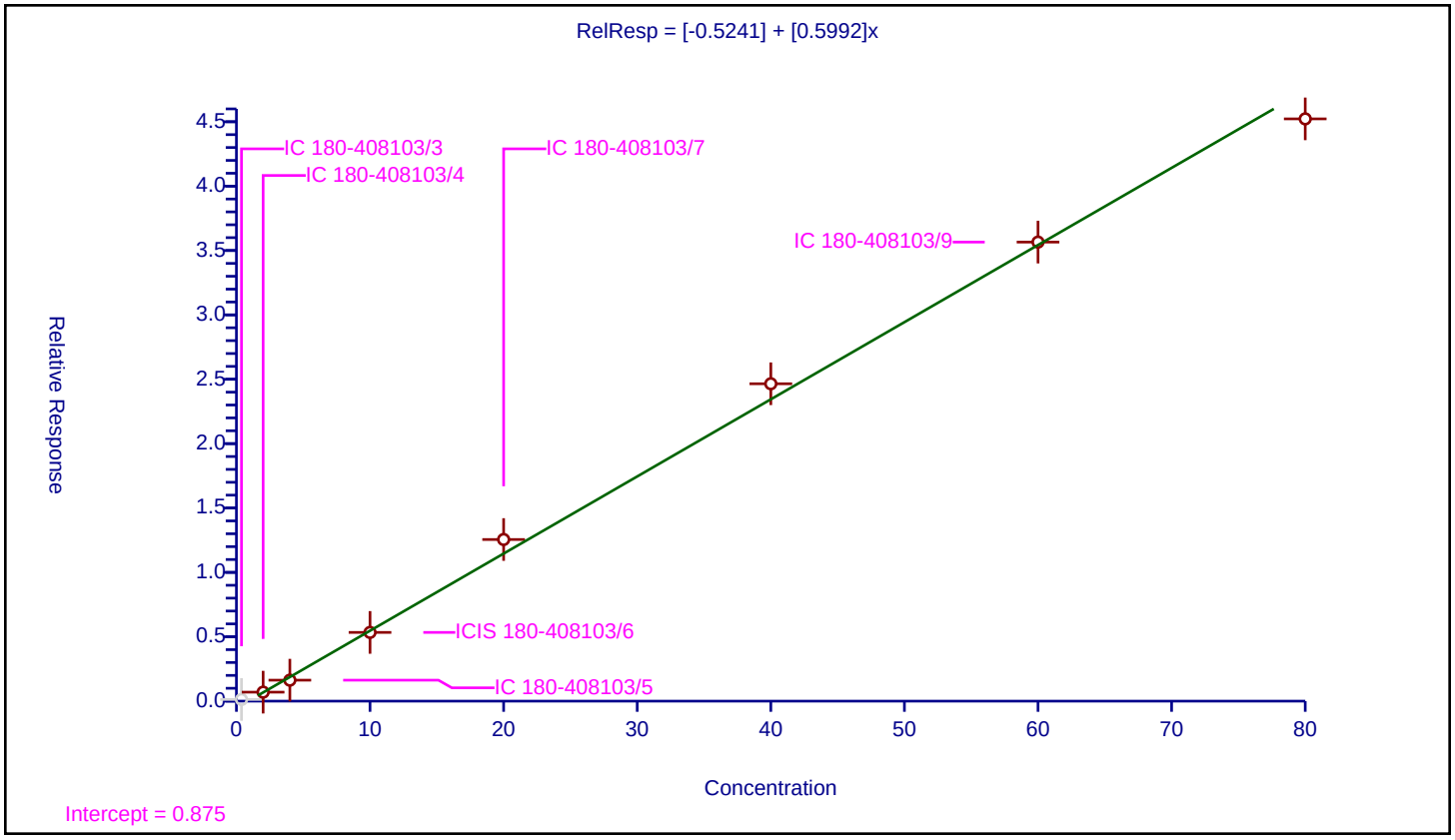
Curve Coefficients

Intercept:	-0.5241
Slope:	0.5992

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	6.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.130582	8.0	490973.0	0.343636	N
2	IC 180-408103/4	2.0	0.698678	8.0	462874.0	0.349339	Y
3	IC 180-408103/5	4.0	1.630055	8.0	471086.0	0.407514	Y
4	ICIS 180-408103/6	10.0	5.337537	8.0	415495.0	0.533754	Y
5	IC 180-408103/7	20.0	12.552845	8.0	525059.0	0.627642	Y
6	IC 180-408103/8	40.0	24.651535	8.0	432898.0	0.616288	Y
7	IC 180-408103/9	60.0	35.655272	8.0	416862.0	0.594255	Y
8	IC 180-408103/10	80.0	45.225169	8.0	440883.0	0.565315	Y



Calibration / Pyrene

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

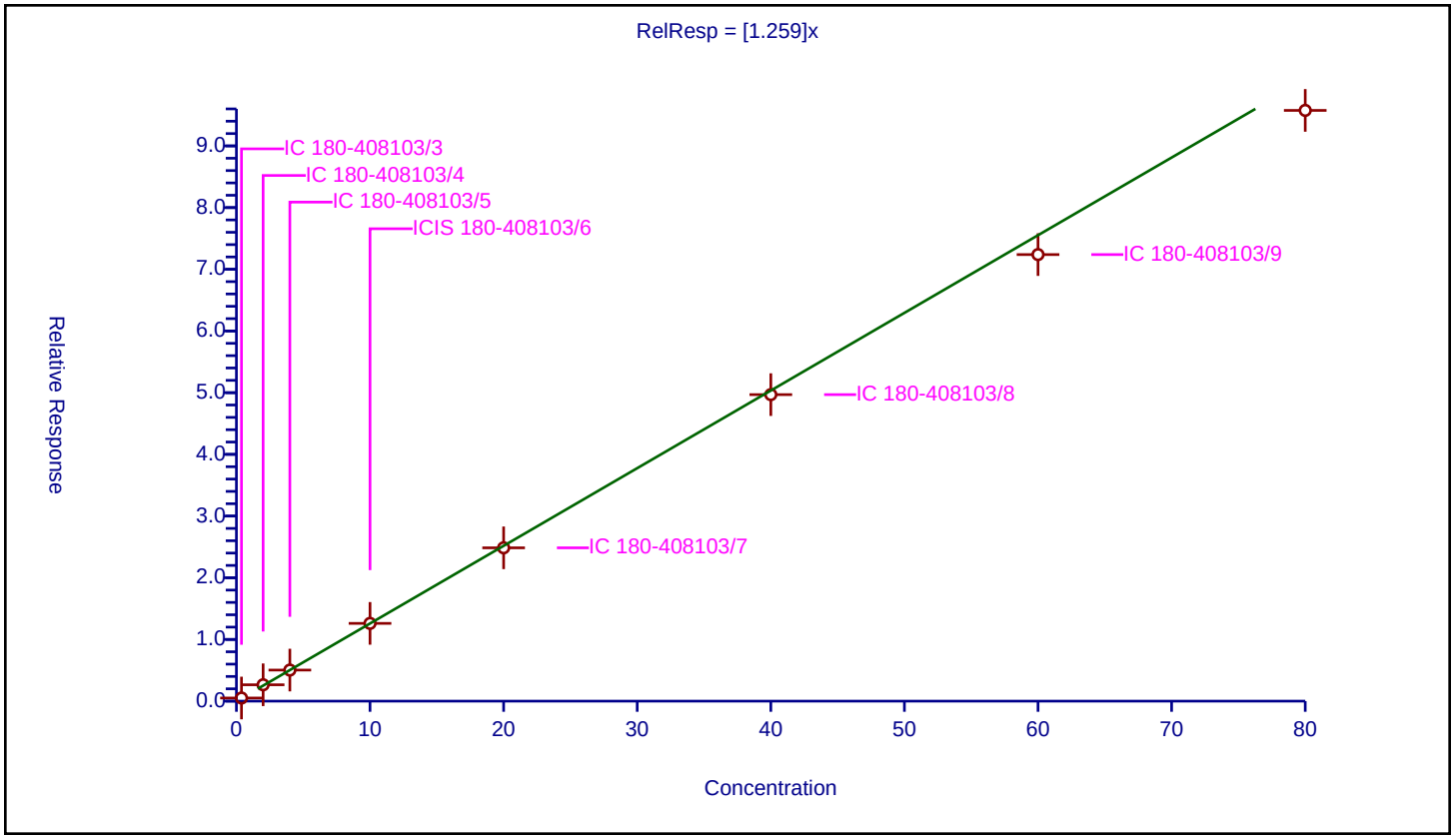
Curve Coefficients

Intercept:	0
Slope:	1.259

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	4.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.507743	8.0	490973.0	1.336165	Y
2	IC 180-408103/4	2.0	2.65159	8.0	462874.0	1.325795	Y
3	IC 180-408103/5	4.0	5.036516	8.0	471086.0	1.259129	Y
4	ICIS 180-408103/6	10.0	12.602684	8.0	415495.0	1.260268	Y
5	IC 180-408103/7	20.0	24.852765	8.0	525059.0	1.242638	Y
6	IC 180-408103/8	40.0	49.684628	8.0	432898.0	1.242116	Y
7	IC 180-408103/9	60.0	72.386334	8.0	416862.0	1.206439	Y
8	IC 180-408103/10	80.0	95.751934	8.0	440883.0	1.196899	Y



Calibration / Terphenyl-d14

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

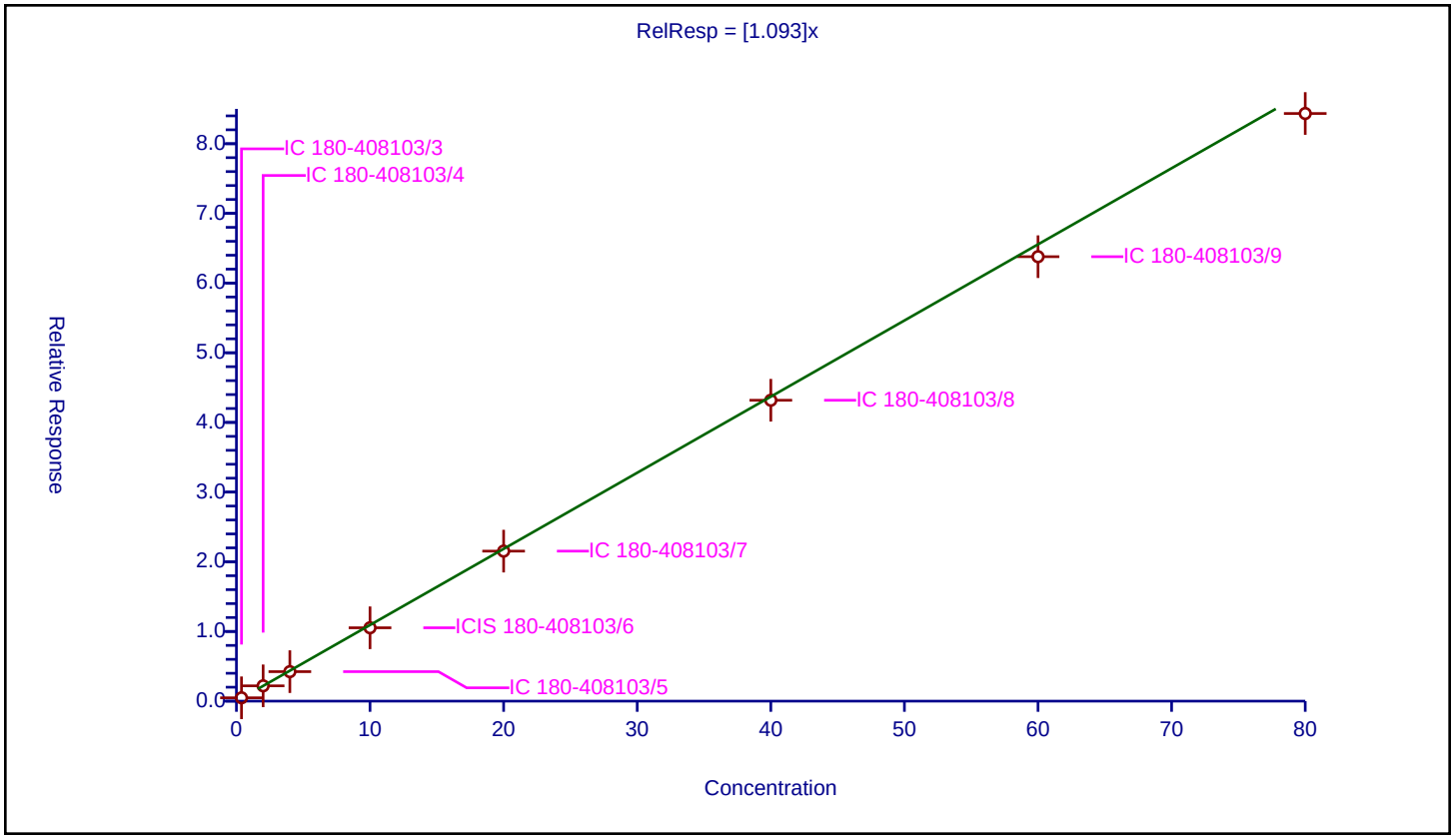
Curve Coefficients

Intercept:	0
Slope:	1.093

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	6.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.477973	8.0	490973.0	1.257825	Y
2	IC 180-408103/4	2.0	2.196053	8.0	462874.0	1.098027	Y
3	IC 180-408103/5	4.0	4.233044	8.0	471086.0	1.058261	Y
4	ICIS 180-408103/6	10.0	10.529802	8.0	415495.0	1.05298	Y
5	IC 180-408103/7	20.0	21.530411	8.0	525059.0	1.076521	Y
6	IC 180-408103/8	40.0	43.183808	8.0	432898.0	1.079595	Y
7	IC 180-408103/9	60.0	63.78936	8.0	416862.0	1.063156	Y
8	IC 180-408103/10	80.0	84.339401	8.0	440883.0	1.054243	Y



Calibration / Butyl benzyl phthalate

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

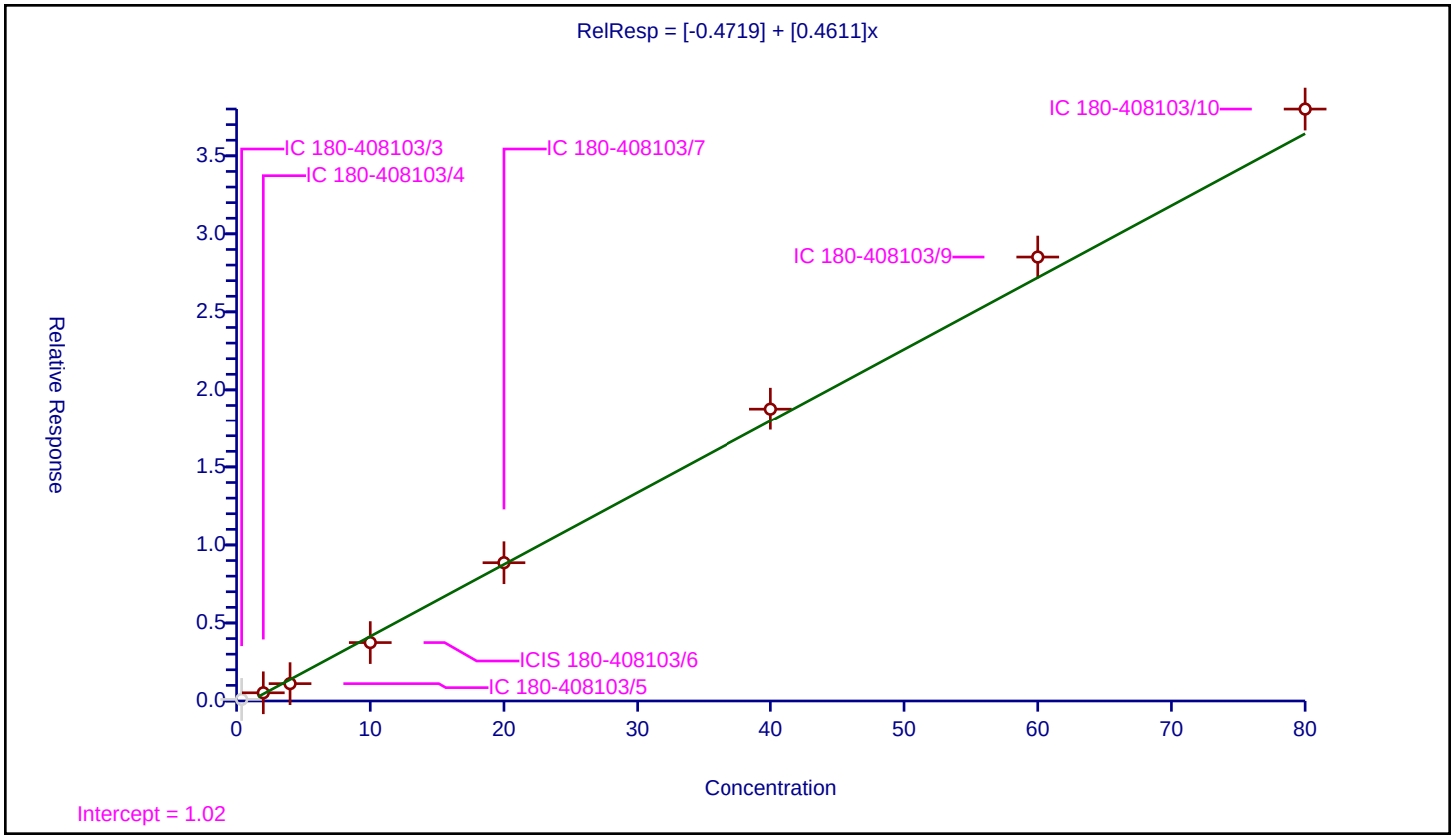
Curve Coefficients

Intercept:	-0.4719
Slope:	0.4611

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.102018	8.0	490973.0	0.268468	N
2	IC 180-408103/4	2.0	0.52581	8.0	462874.0	0.262905	Y
3	IC 180-408103/5	4.0	1.112137	8.0	471086.0	0.278034	Y
4	ICIS 180-408103/6	10.0	3.742755	8.0	415495.0	0.374276	Y
5	IC 180-408103/7	20.0	8.862318	8.0	525059.0	0.443116	Y
6	IC 180-408103/8	40.0	18.765215	8.0	432898.0	0.46913	Y
7	IC 180-408103/9	60.0	28.514588	8.0	416862.0	0.475243	Y
8	IC 180-408103/10	80.0	37.996348	8.0	440883.0	0.474954	Y



Calibration / 3,3'-Dichlorobenzidine

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

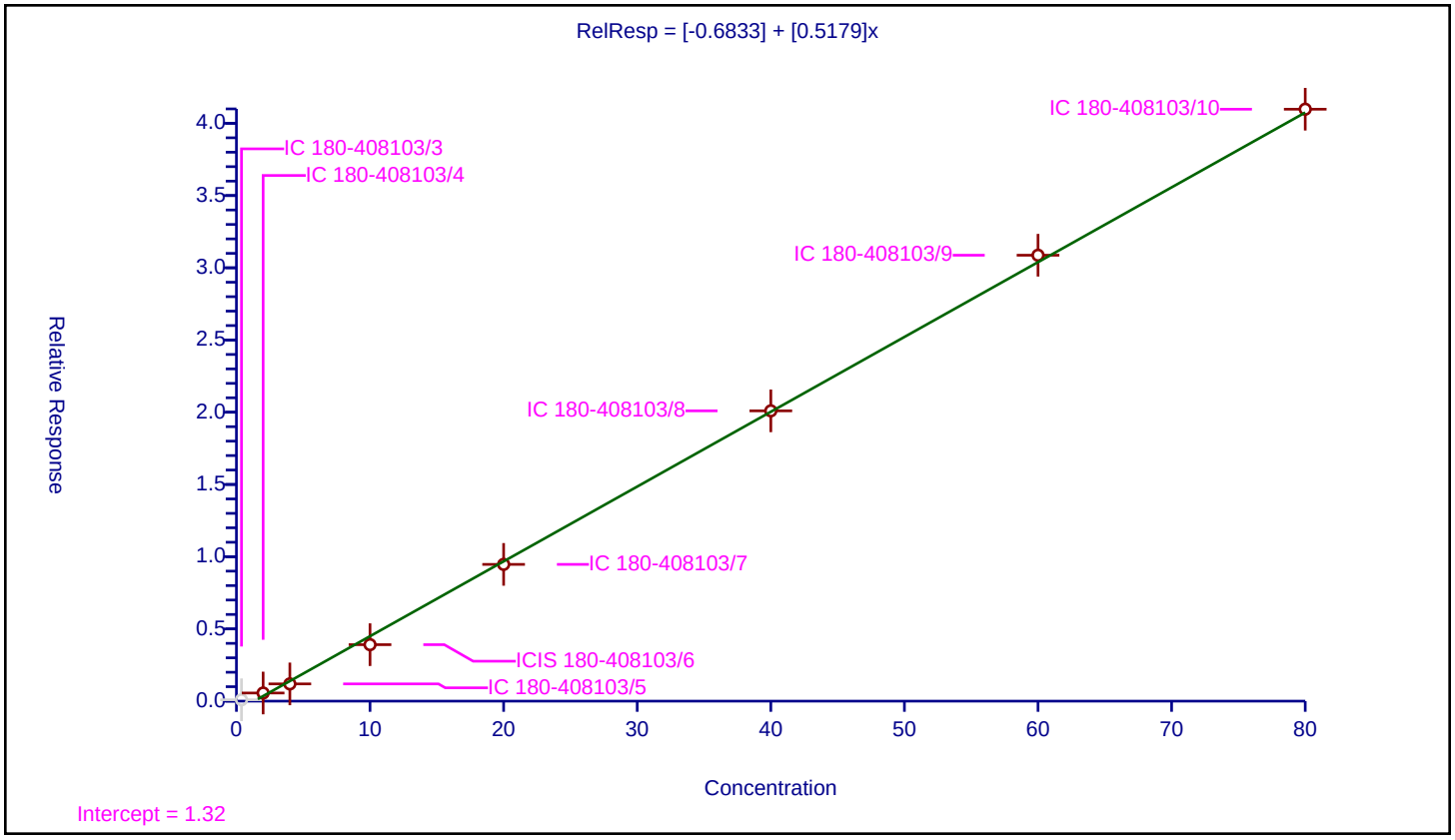
Curve Coefficients

Intercept:	-0.6833
Slope:	0.5179

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.095761	8.0	490973.0	0.252002	N
2	IC 180-408103/4	2.0	0.56252	8.0	462874.0	0.28126	Y
3	IC 180-408103/5	4.0	1.193277	8.0	471086.0	0.298319	Y
4	ICIS 180-408103/6	10.0	3.91069	8.0	415495.0	0.391069	Y
5	IC 180-408103/7	20.0	9.467401	8.0	525059.0	0.47337	Y
6	IC 180-408103/8	40.0	20.09617	8.0	432898.0	0.502404	Y
7	IC 180-408103/9	60.0	30.869458	8.0	416862.0	0.514491	Y
8	IC 180-408103/10	80.0	40.978727	8.0	440883.0	0.512234	Y



Calibration / Benzo[a]anthracene

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

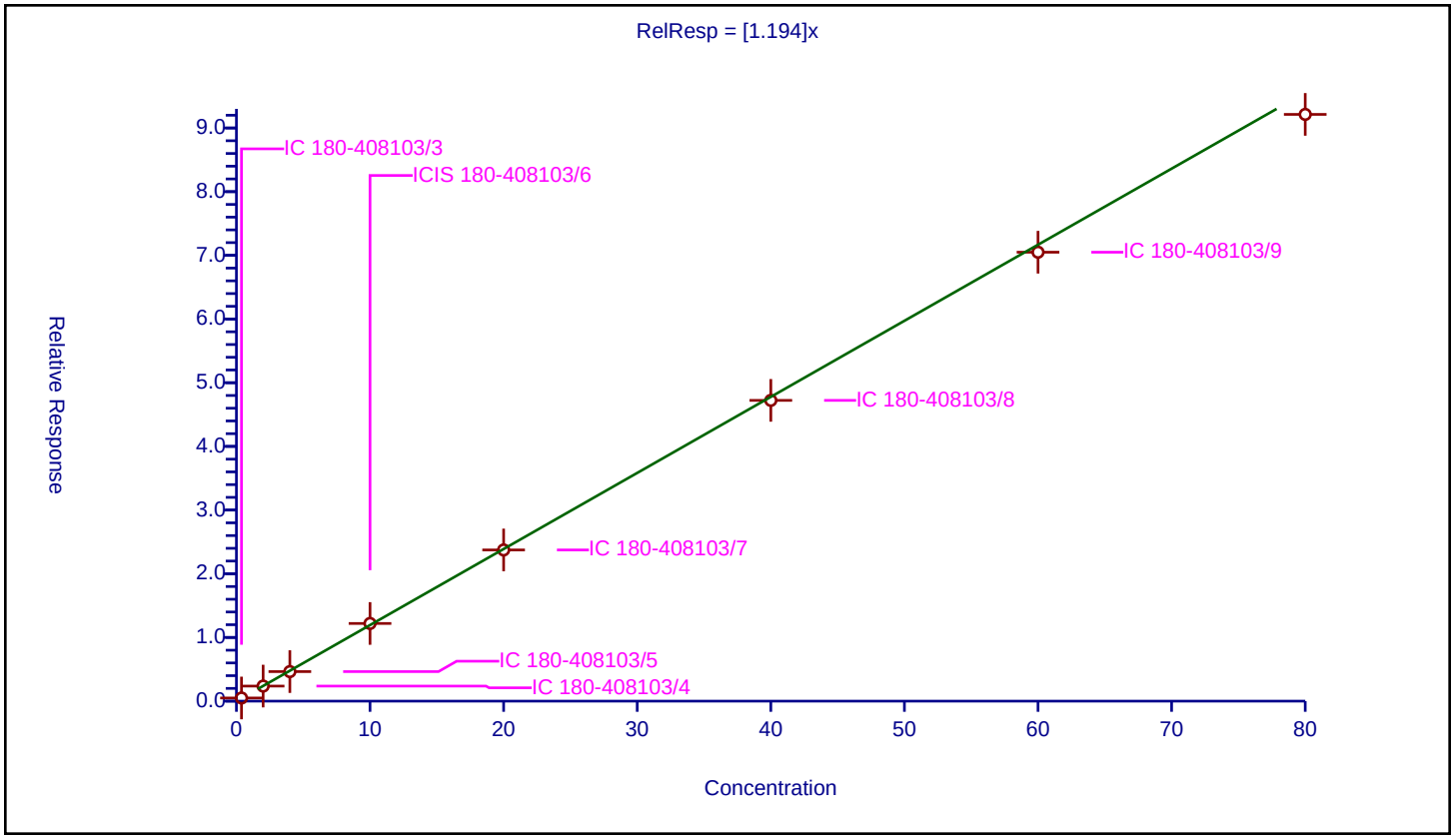
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Standard Error:	2640000
Relative Standard Error:	3.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.493958	8.0	490973.0	1.299889	Y
2	IC 180-408103/4	2.0	2.364704	8.0	462874.0	1.182352	Y
3	IC 180-408103/5	4.0	4.63861	8.0	471086.0	1.159652	Y
4	ICIS 180-408103/6	10.0	12.197634	8.0	415495.0	1.219763	Y
5	IC 180-408103/7	20.0	23.738803	8.0	525059.0	1.18694	Y
6	IC 180-408103/8	40.0	47.227476	8.0	432898.0	1.180687	Y
7	IC 180-408103/9	60.0	70.49579	8.0	416862.0	1.17493	Y
8	IC 180-408103/10	80.0	92.132344	8.0	440883.0	1.151654	Y



Calibration / Bis(2-ethylhexyl) phthalate

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

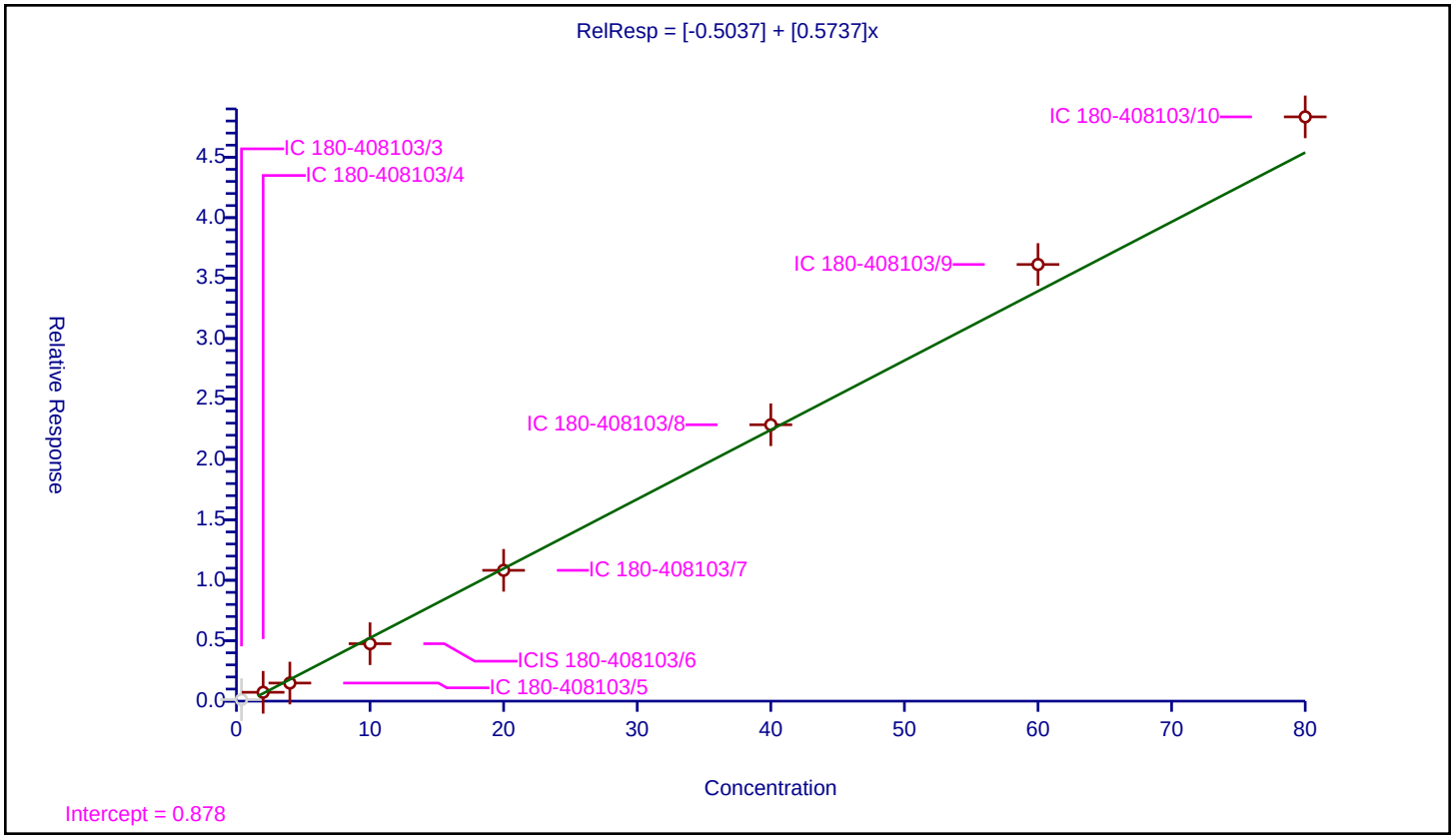
Curve Coefficients

Intercept:	-0.5037
Slope:	0.5737

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	8.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.127127	8.0	490973.0	0.334545	N
2	IC 180-408103/4	2.0	0.732173	8.0	462874.0	0.366087	Y
3	IC 180-408103/5	4.0	1.498138	8.0	471086.0	0.374535	Y
4	ICIS 180-408103/6	10.0	4.752577	8.0	415495.0	0.475258	Y
5	IC 180-408103/7	20.0	10.822098	8.0	525059.0	0.541105	Y
6	IC 180-408103/8	40.0	22.868519	8.0	432898.0	0.571713	Y
7	IC 180-408103/9	60.0	36.125835	8.0	416862.0	0.602097	Y
8	IC 180-408103/10	80.0	48.341805	8.0	440883.0	0.604273	Y



Calibration / Chrysene

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

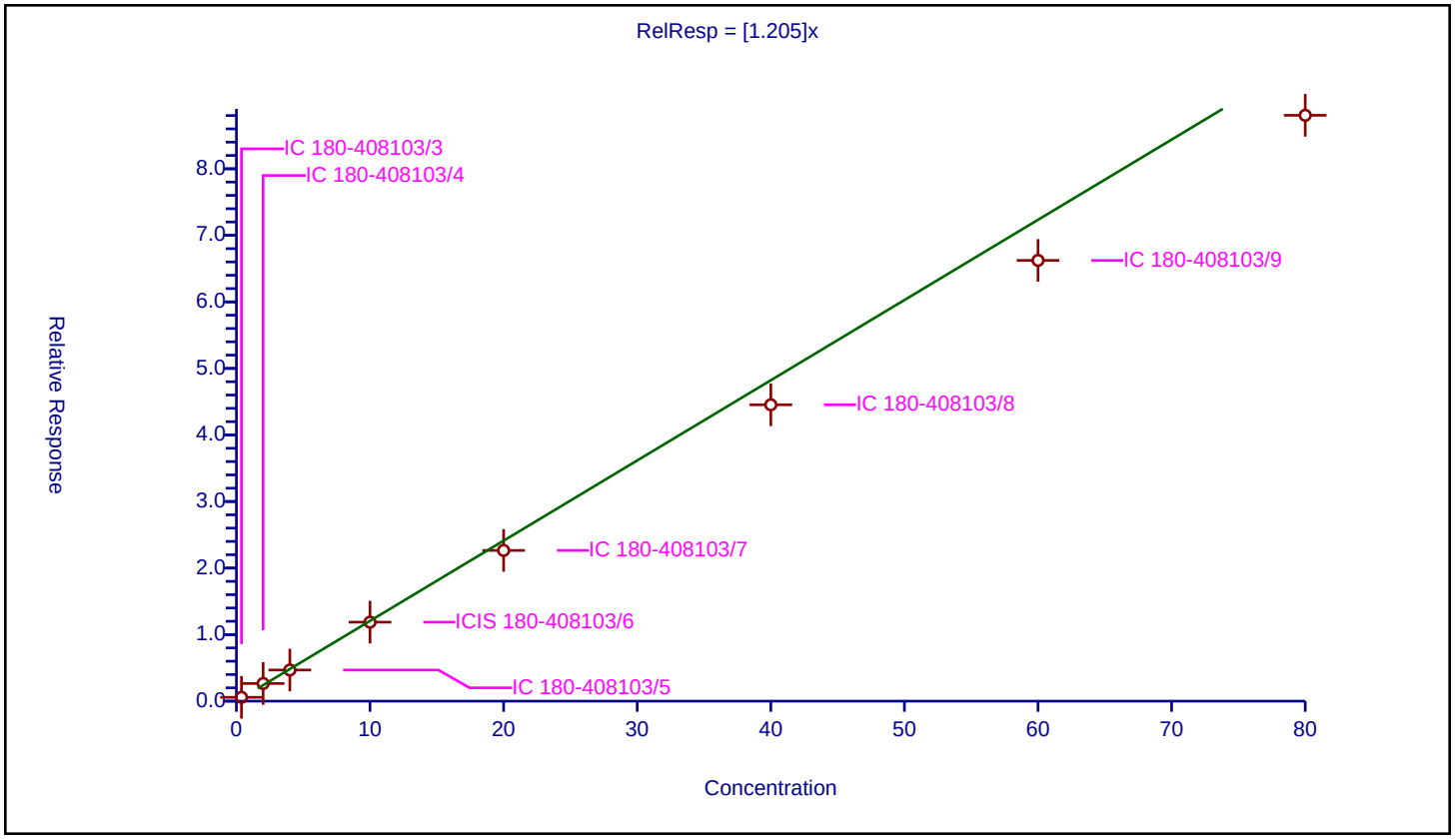
Curve Coefficients

Intercept:	0
Slope:	1.205

Error Coefficients

Standard Error:	2510000
Relative Standard Error:	12.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.574679	8.0	490973.0	1.512314	Y
2	IC 180-408103/4	2.0	2.650968	8.0	462874.0	1.325484	Y
3	IC 180-408103/5	4.0	4.676751	8.0	471086.0	1.169188	Y
4	ICIS 180-408103/6	10.0	11.868138	8.0	415495.0	1.186814	Y
5	IC 180-408103/7	20.0	22.647283	8.0	525059.0	1.132364	Y
6	IC 180-408103/8	40.0	44.536718	8.0	432898.0	1.113418	Y
7	IC 180-408103/9	60.0	66.230532	8.0	416862.0	1.103842	Y
8	IC 180-408103/10	80.0	88.037198	8.0	440883.0	1.100465	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

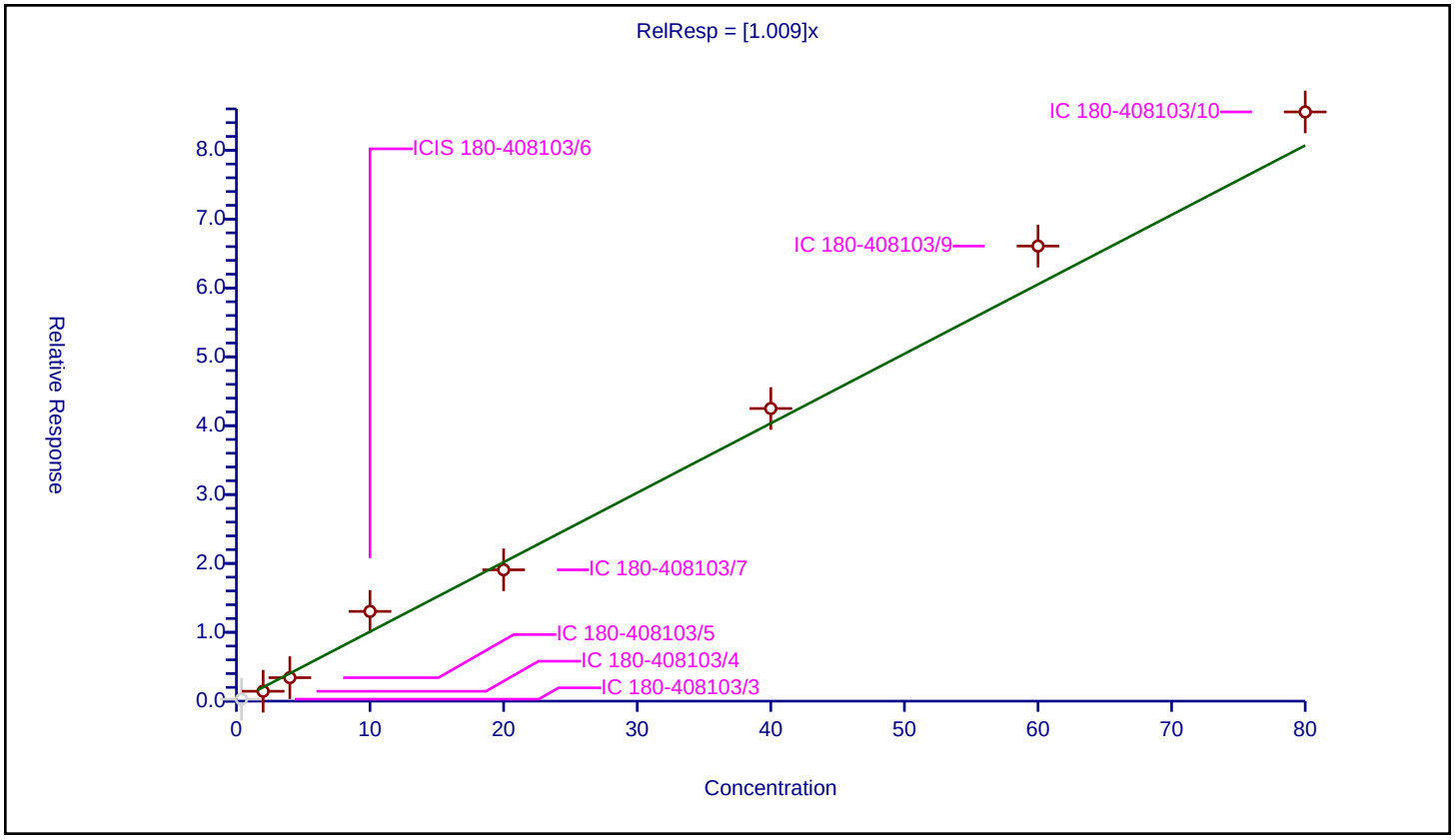
Curve Coefficients

Intercept:	0
Slope:	1.009

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	18.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.283344	8.0	404709.0	0.745643	N
2	IC 180-408103/4	2.0	1.438059	8.0	383951.0	0.719029	Y
3	IC 180-408103/5	4.0	3.407437	8.0	380793.0	0.851859	Y
4	ICIS 180-408103/6	10.0	13.031101	8.0	365900.0	1.30311	Y
5	IC 180-408103/7	20.0	19.069458	8.0	502129.0	0.953473	Y
6	IC 180-408103/8	40.0	42.493002	8.0	421808.0	1.062325	Y
7	IC 180-408103/9	60.0	66.083657	8.0	412732.0	1.101394	Y
8	IC 180-408103/10	80.0	85.55894	8.0	449454.0	1.069487	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

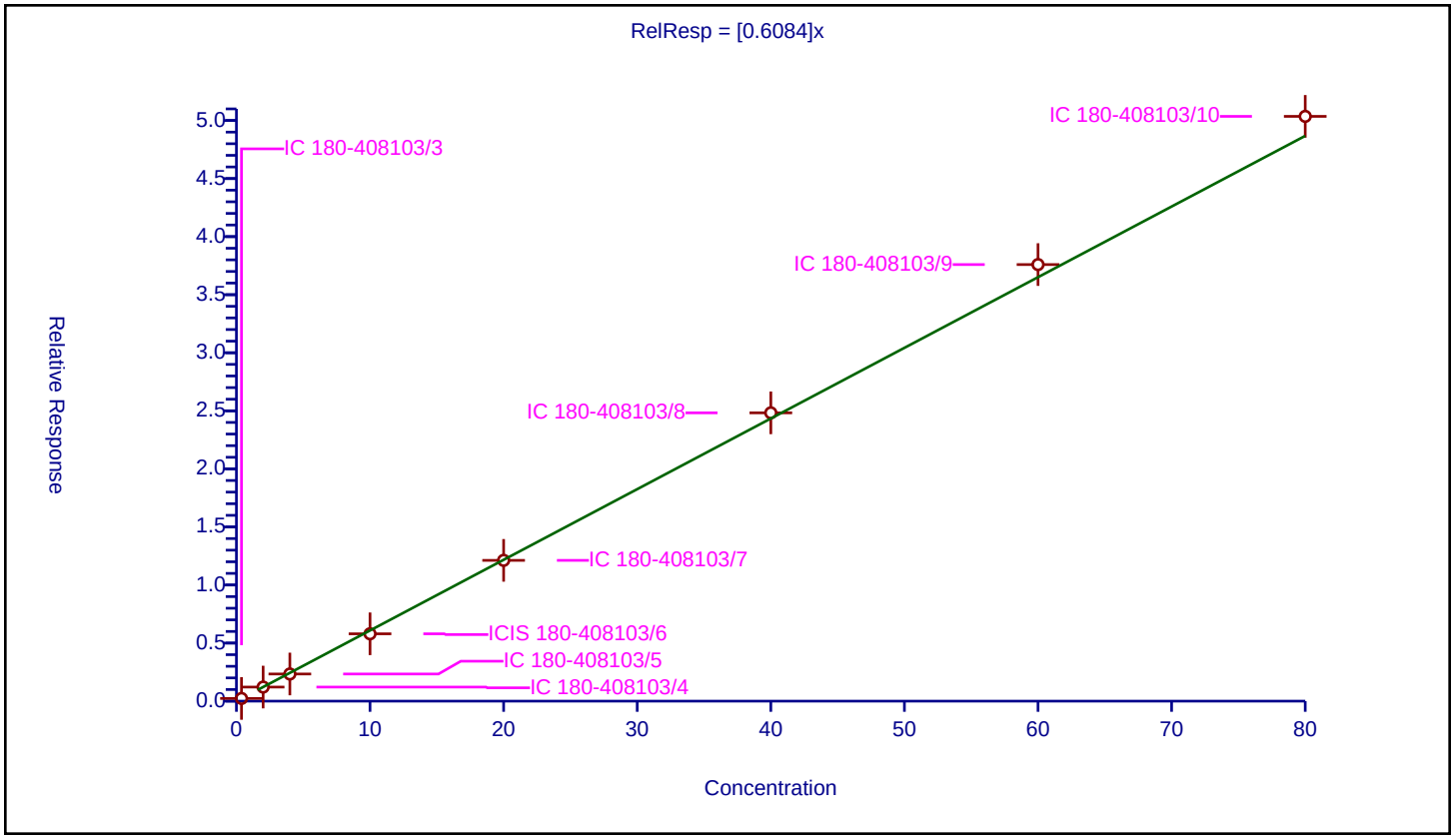
Curve Coefficients

Intercept:	0
Slope:	0.6084

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	3.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.23359	8.0	404709.0	0.614711	Y
2	IC 180-408103/4	2.0	1.211134	8.0	383951.0	0.605567	Y
3	IC 180-408103/5	4.0	2.337942	8.0	380793.0	0.584486	Y
4	ICIS 180-408103/6	10.0	5.799967	8.0	365900.0	0.579997	Y
5	IC 180-408103/7	20.0	12.12267	8.0	502129.0	0.606133	Y
6	IC 180-408103/8	40.0	24.82703	8.0	421808.0	0.620676	Y
7	IC 180-408103/9	60.0	37.594294	8.0	412732.0	0.626572	Y
8	IC 180-408103/10	80.0	50.355	8.0	449454.0	0.629437	Y



Calibration / Benzo[b]fluoranthene

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

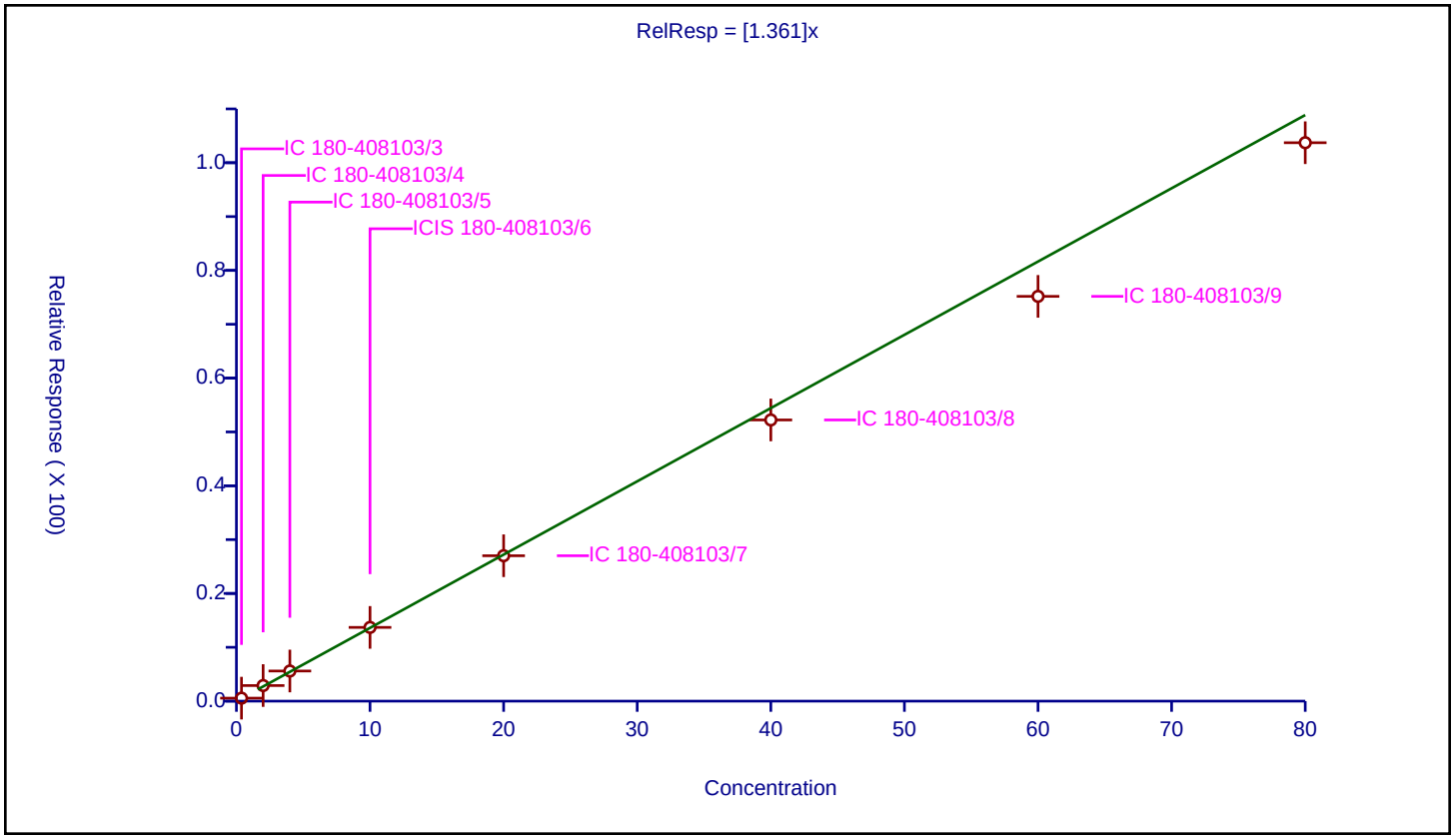
Curve Coefficients

Intercept:	0
Slope:	1.361

Error Coefficients

Standard Error:	2930000
Relative Standard Error:	5.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.555856	8.0	404709.0	1.462779	Y
2	IC 180-408103/4	2.0	2.898412	8.0	383951.0	1.449206	Y
3	IC 180-408103/5	4.0	5.596405	8.0	380793.0	1.399101	Y
4	ICIS 180-408103/6	10.0	13.692834	8.0	365900.0	1.369283	Y
5	IC 180-408103/7	20.0	27.008119	8.0	502129.0	1.350406	Y
6	IC 180-408103/8	40.0	52.227023	8.0	421808.0	1.305676	Y
7	IC 180-408103/9	60.0	75.180601	8.0	412732.0	1.25301	Y
8	IC 180-408103/10	80.0	103.716349	8.0	449454.0	1.296454	Y



Calibration / Benzo[k]fluoranthene

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

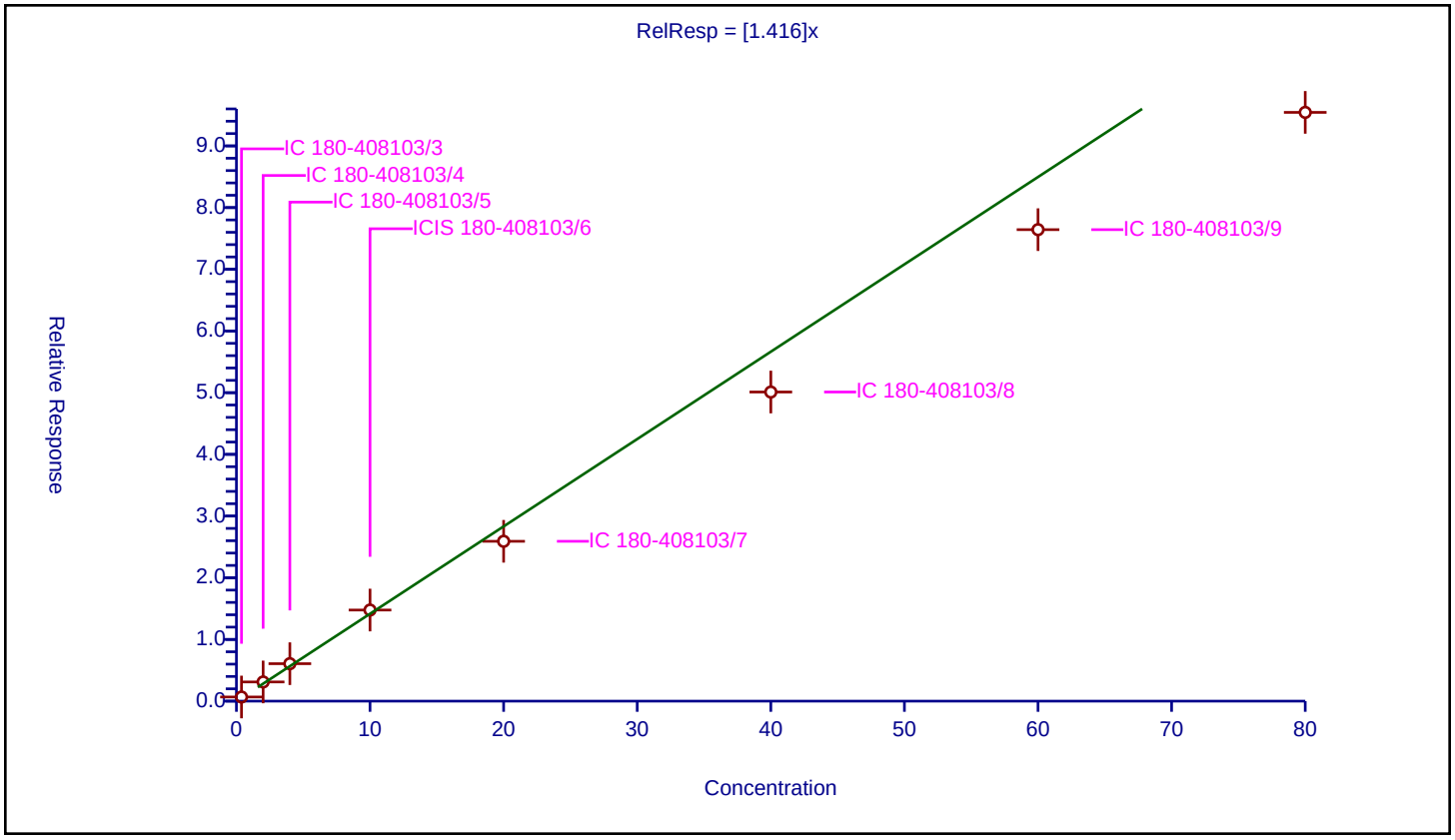
Curve Coefficients

Intercept:	0
Slope:	1.416

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	13.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.670032	8.0	404709.0	1.763242	Y
2	IC 180-408103/4	2.0	3.109834	8.0	383951.0	1.554917	Y
3	IC 180-408103/5	4.0	6.074166	8.0	380793.0	1.518542	Y
4	ICIS 180-408103/6	10.0	14.764996	8.0	365900.0	1.4765	Y
5	IC 180-408103/7	20.0	25.907988	8.0	502129.0	1.295399	Y
6	IC 180-408103/8	40.0	50.105716	8.0	421808.0	1.252643	Y
7	IC 180-408103/9	60.0	76.42757	8.0	412732.0	1.273793	Y
8	IC 180-408103/10	80.0	95.434692	8.0	449454.0	1.192934	Y



Calibration / Benzo[e]pyrene

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

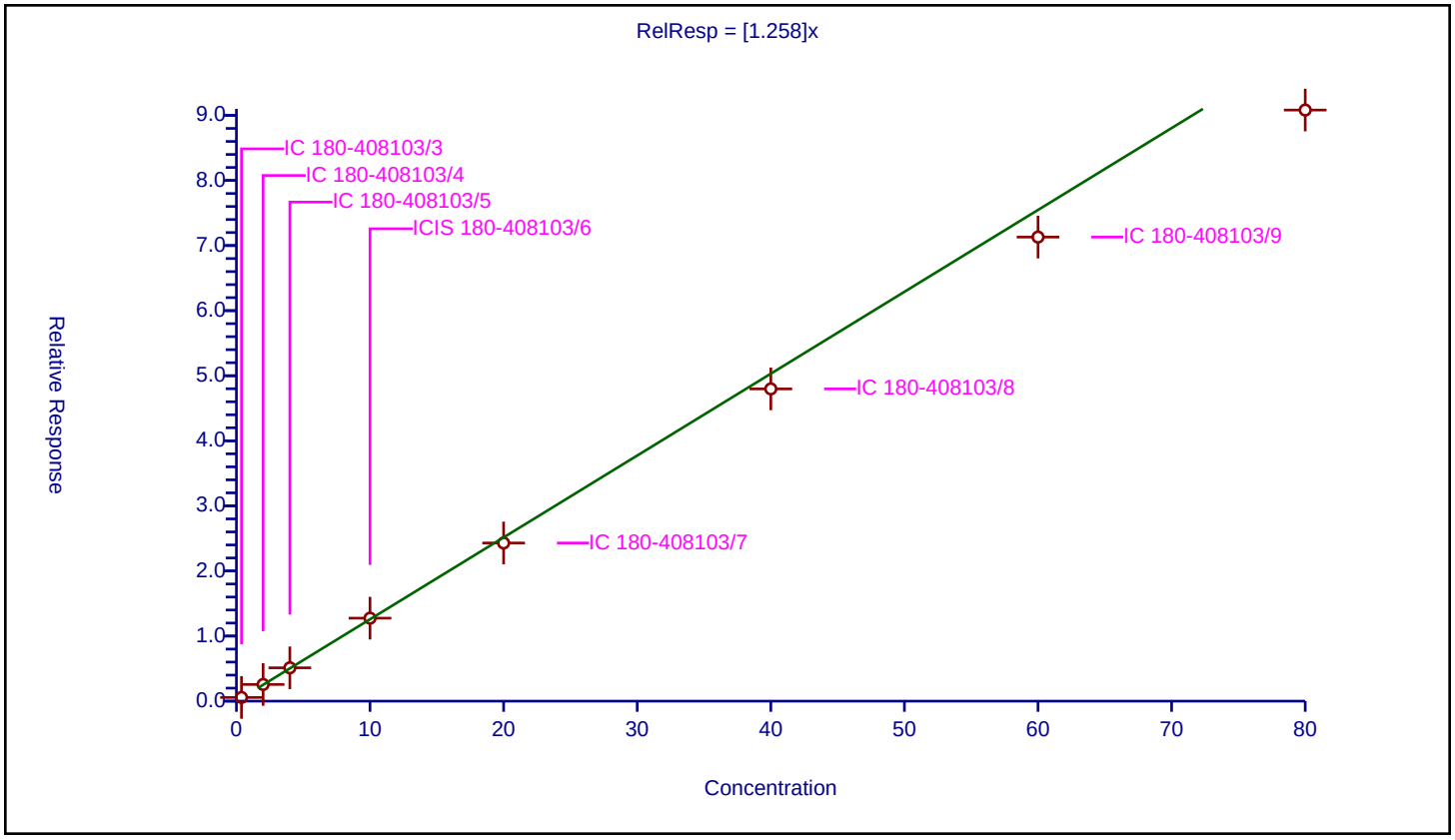
Curve Coefficients

Intercept:	0
Slope:	1.258

Error Coefficients

Standard Error:	2640000
Relative Standard Error:	8.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.565463	8.0	404709.0	1.488061	Y
2	IC 180-408103/4	2.0	2.563619	8.0	383951.0	1.281809	Y
3	IC 180-408103/5	4.0	5.120388	8.0	380793.0	1.280097	Y
4	ICIS 180-408103/6	10.0	12.749232	8.0	365900.0	1.274923	Y
5	IC 180-408103/7	20.0	24.296864	8.0	502129.0	1.214843	Y
6	IC 180-408103/8	40.0	47.978587	8.0	421808.0	1.199465	Y
7	IC 180-408103/9	60.0	71.303587	8.0	412732.0	1.188393	Y
8	IC 180-408103/10	80.0	90.818495	8.0	449454.0	1.135231	Y



Calibration / Benzo[a]pyrene

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

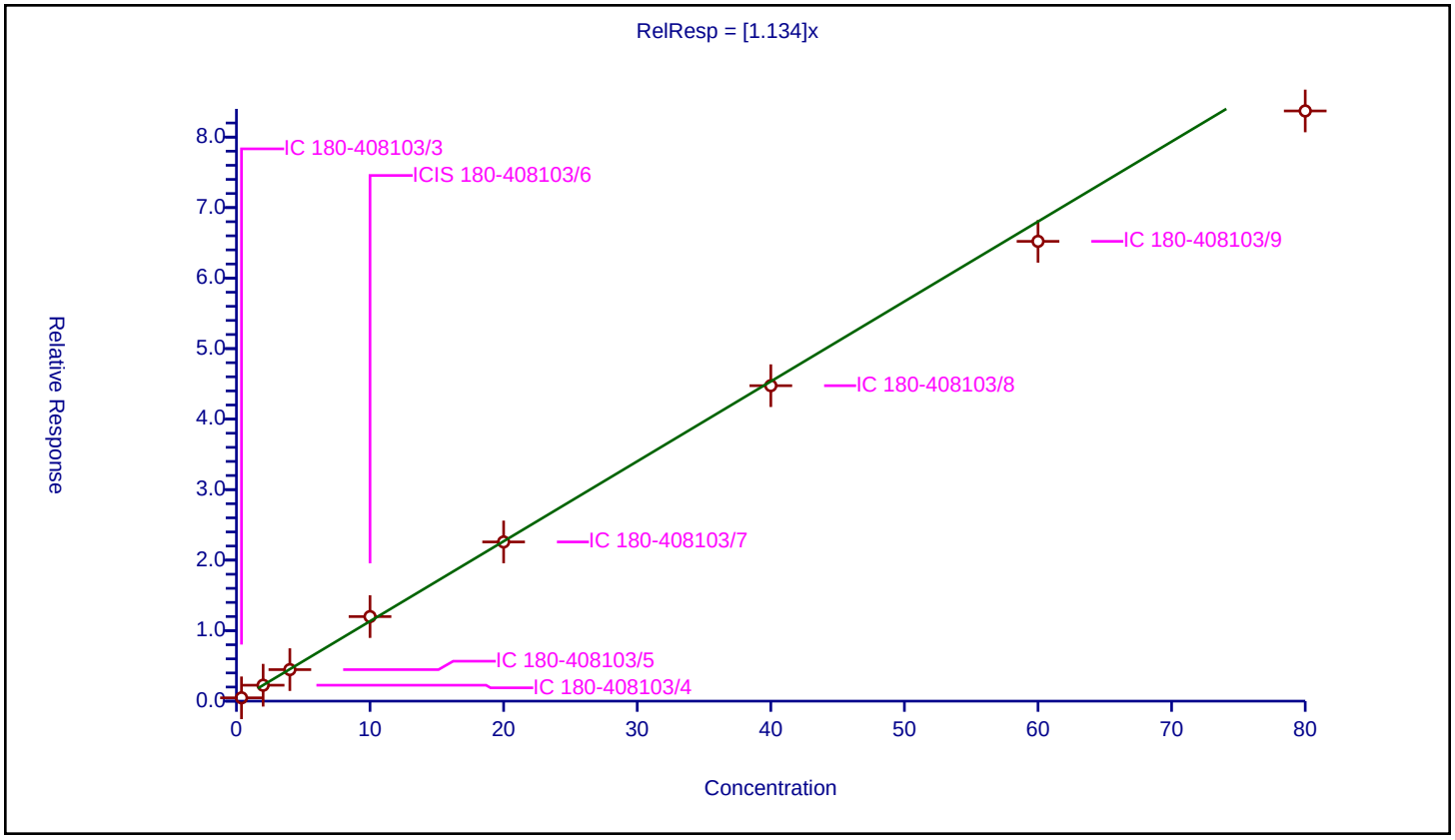
Curve Coefficients

Intercept:	0
Slope:	1.134

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	5.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.471766	8.0	404709.0	1.24149	Y
2	IC 180-408103/4	2.0	2.258955	8.0	383951.0	1.129477	Y
3	IC 180-408103/5	4.0	4.472183	8.0	380793.0	1.118046	Y
4	ICIS 180-408103/6	10.0	11.992807	8.0	365900.0	1.199281	Y
5	IC 180-408103/7	20.0	22.581894	8.0	502129.0	1.129095	Y
6	IC 180-408103/8	40.0	44.741664	8.0	421808.0	1.118542	Y
7	IC 180-408103/9	60.0	65.215782	8.0	412732.0	1.08693	Y
8	IC 180-408103/10	80.0	83.710048	8.0	449454.0	1.046376	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

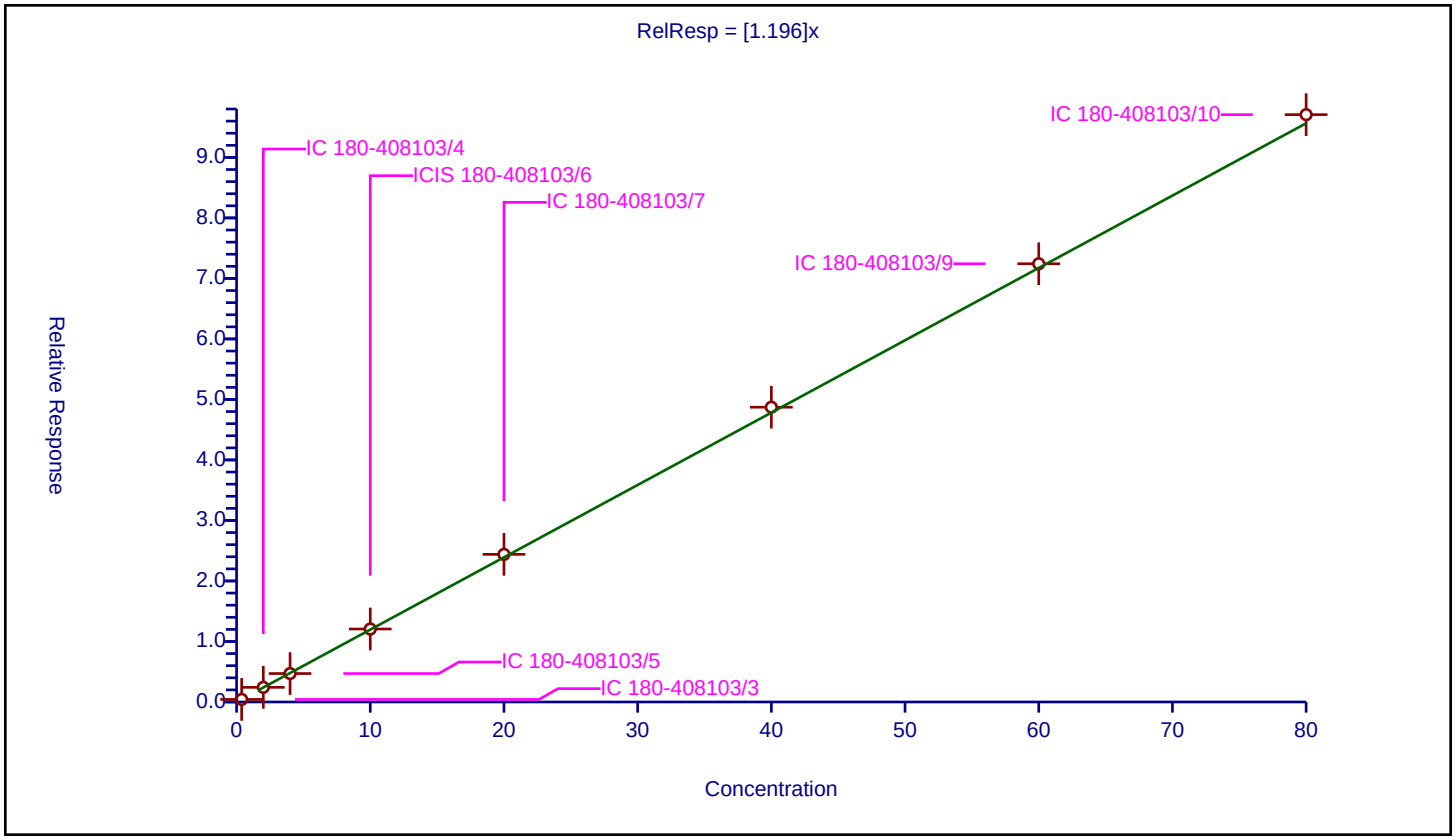
Curve Coefficients

Intercept:	0
Slope:	1.196

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	3.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.423435	8.0	404709.0	1.114303	Y
2	IC 180-408103/4	2.0	2.42033	8.0	383951.0	1.210165	Y
3	IC 180-408103/5	4.0	4.7012	8.0	380793.0	1.1753	Y
4	ICIS 180-408103/6	10.0	12.061372	8.0	365900.0	1.206137	Y
5	IC 180-408103/7	20.0	24.398065	8.0	502129.0	1.219903	Y
6	IC 180-408103/8	40.0	48.721143	8.0	421808.0	1.218029	Y
7	IC 180-408103/9	60.0	72.423287	8.0	412732.0	1.207055	Y
8	IC 180-408103/10	80.0	97.068941	8.0	449454.0	1.213362	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

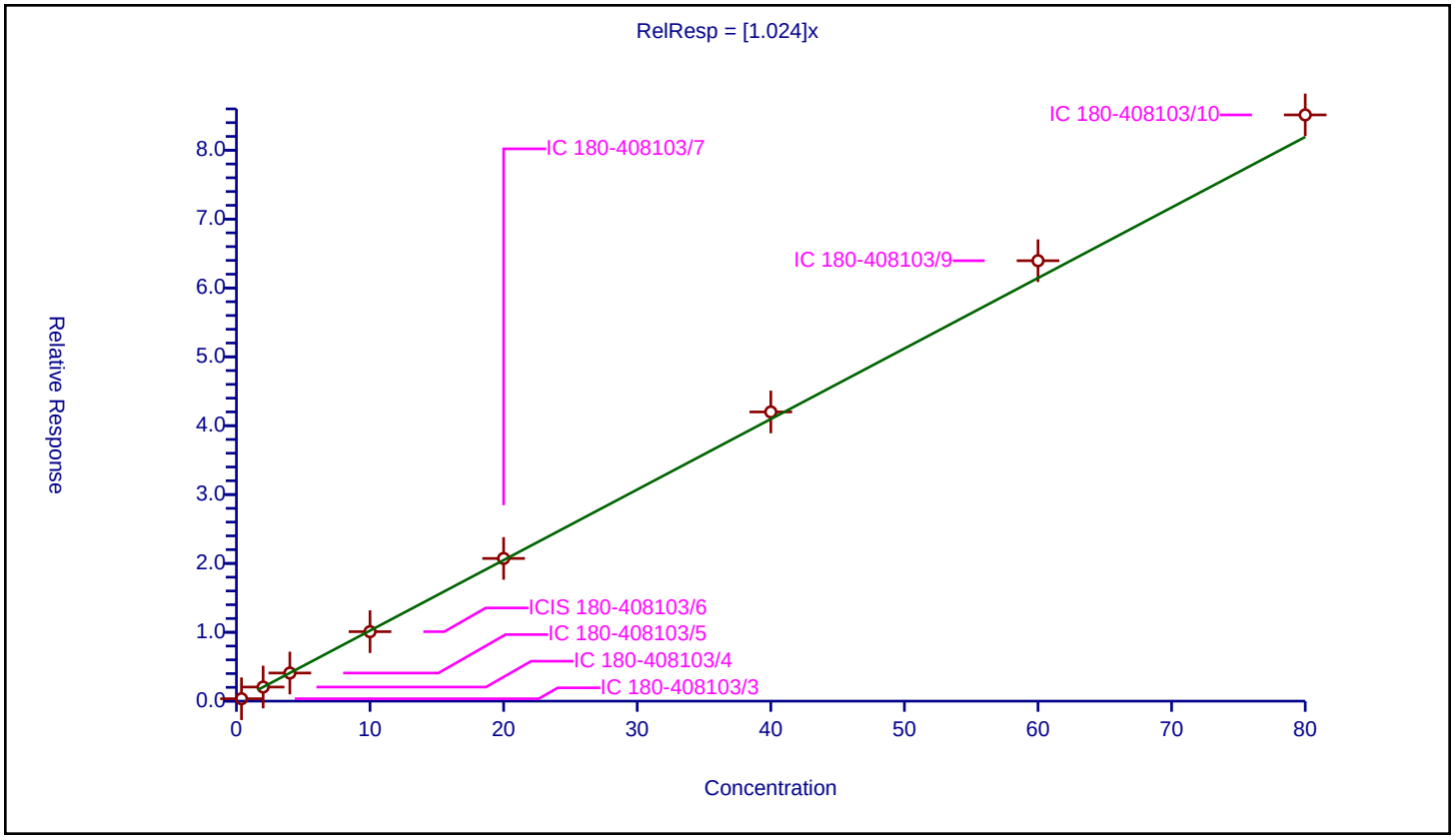
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	4.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.351067	8.0	404709.0	0.923861	Y
2	IC 180-408103/4	2.0	2.047136	8.0	383951.0	1.023568	Y
3	IC 180-408103/5	4.0	4.08123	8.0	380793.0	1.020308	Y
4	ICIS 180-408103/6	10.0	10.087171	8.0	365900.0	1.008717	Y
5	IC 180-408103/7	20.0	20.721177	8.0	502129.0	1.036059	Y
6	IC 180-408103/8	40.0	41.997174	8.0	421808.0	1.049929	Y
7	IC 180-408103/9	60.0	63.954489	8.0	412732.0	1.065908	Y
8	IC 180-408103/10	80.0	85.124102	8.0	449454.0	1.064051	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

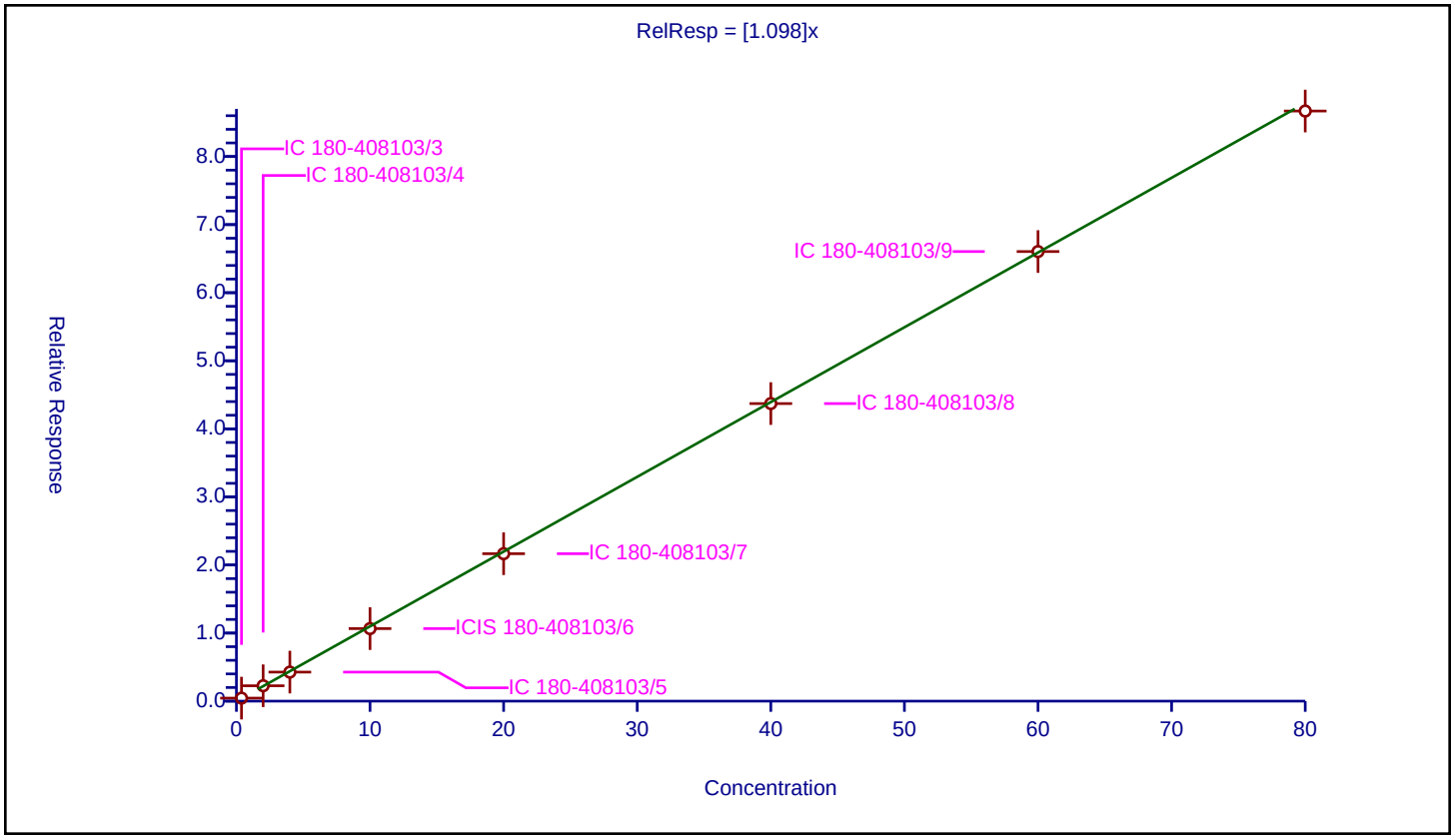
Curve Coefficients

Intercept:	0
Slope:	1.098

Error Coefficients

Standard Error:	2470000
Relative Standard Error:	3.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-408103/3	0.38	0.442392	8.0	404709.0	1.164189	Y
2	IC 180-408103/4	2.0	2.26033	8.0	383951.0	1.130165	Y
3	IC 180-408103/5	4.0	4.266066	8.0	380793.0	1.066516	Y
4	ICIS 180-408103/6	10.0	10.653774	8.0	365900.0	1.065377	Y
5	IC 180-408103/7	20.0	21.657606	8.0	502129.0	1.08288	Y
6	IC 180-408103/8	40.0	43.713671	8.0	421808.0	1.092842	Y
7	IC 180-408103/9	60.0	66.044213	8.0	412732.0	1.100737	Y
8	IC 180-408103/10	80.0	86.68735	8.0	449454.0	1.083592	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408454/3 Calibration Date: 08/12/2022 09:20

Instrument ID: CHMSD7 Calib Start Date: 08/10/2022 06:34

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/10/2022 09:08

Lab File ID: M0812003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	0.8741	0.8563	0.0100	9.80	10.0	-2.0	20.0
Phenol	Ave	1.620	1.599	0.8000	4.94	5.00	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.412	1.453	0.0100	5.15	5.00	2.9	20.0
o-Cresol	Ave	1.004	1.104	0.7000	5.50	5.00	10.0	20.0
m & p-Cresol	Ave	1.072	1.150	0.6000	5.36	5.00	7.3	20.0
Hexachloroethane	Ave	0.6431	0.6523	0.3000	5.07	5.00	1.4	20.0
Nitrobenzene	Ave	0.4068	0.3903	0.2000	4.80	5.00	-4.0	20.0
Naphthalene	Ave	1.055	1.024	0.7000	4.85	5.00	-2.9	20.0
Hexachlorobutadiene	Ave	0.2949	0.2995	0.0100	5.08	5.00	1.6	20.0
2-Methylnaphthalene	Ave	0.6906	0.6900	0.4000	5.00	5.00	-0.0	20.0
1-Methylnaphthalene	Ave	0.6860	0.6869	0.0100	5.01	5.00	0.1	20.0
2,4,6-Trichlorophenol	Ave	0.4431	0.4692	0.2000	5.30	5.00	5.9	20.0
2,4,5-Trichlorophenol	Ave	0.4607	0.4742	0.2000	5.15	5.00	2.9	20.0
Acenaphthylene	Ave	1.758	1.806	0.9000	5.14	5.00	2.7	20.0
Acenaphthene	Ave	1.167	1.134	0.9000	4.86	5.00	-2.9	20.0
2,4-Dinitrotoluene	Ave	0.3666	0.3928	0.2000	5.36	5.00	7.1	20.0
Fluorene	Ave	1.346	1.327	0.9000	4.93	5.00	-1.4	20.0
Hexachlorobenzene	Ave	0.3094	0.2968	0.1000	4.80	5.00	-4.0	20.0
Pentachlorophenol	Ave	0.1838	0.2130	0.0500	11.6	10.0	15.9	20.0
Phenanthrene	Ave	1.000	0.9807	0.7000	4.90	5.00	-1.9	20.0
Fluoranthene	Ave	1.277	1.428	0.6000	5.59	5.00	11.8	20.0
Benzidine	Lin1		0.5769	0.0100	5.25	5.00	5.0	40.0
Pyrene	Ave	1.259	1.248	0.6000	4.96	5.00	-0.9	20.0
Butyl benzyl phthalate	Lin2		0.4216	0.0100	5.08	5.00	1.7	20.0
Benzo[a]anthracene	Ave	1.194	1.217	0.8000	5.09	5.00	1.9	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.5376	0.0100	5.12	5.00	2.5	20.0
Chrysene	Ave	1.205	1.183	0.7000	4.91	5.00	-1.8	20.0
Di-n-octyl phthalate	Ave	1.009	0.9473	0.0100	4.70	5.00	-6.1	20.0
Benzo[b]fluoranthene	Ave	1.361	1.267	0.7000	4.66	5.00	-6.9	20.0
Benzo[k]fluoranthene	Ave	1.416	1.461	0.7000	5.16	5.00	3.2	20.0
Benzo[a]pyrene	Ave	1.134	1.126	0.7000	4.97	5.00	-0.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.196	1.210	0.5000	5.06	5.00	1.2	20.0
Dibenz(a,h)anthracene	Ave	1.024	1.046	0.4000	5.11	5.00	2.1	20.0
Benzo[g,h,i]perylene	Ave	1.098	1.108	0.5000	5.05	5.00	0.9	20.0
2-Fluorophenol (Surr)	Ave	1.025	0.9577		4.67	5.00	-6.6	20.0
Phenol-d5 (Surr)	Ave	1.493	1.467		4.91	5.00	-1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4121	0.4045		4.91	5.00	-1.9	20.0
2-Fluorobiphenyl	Ave	1.537	1.473		4.79	5.00	-4.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1328	0.1454	0.0100	5.47	5.00	9.5	20.0
Terphenyl-d14 (Surr)	Ave	1.093	1.070		4.90	5.00	-2.1	20.0

Report Date: 13-Aug-2022 07:08:50 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812003.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Aug-2022 09:20:30 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-003
Operator ID: 003200 Instrument ID: CHMSD7
Sublist: chrom-BNA_CHMSD7*sub13

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:08:48 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 12-Aug-2022 09:40:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.748	5.748	0.000	94	97701	8.00	8.00	
* 2 Naphthalene-d8	136	6.955	6.955	0.000	99	346516	8.00	8.00	
* 3 Acenaphthene-d10	164	8.557	8.557	0.000	95	207074	8.00	8.00	
* 4 Phenanthrene-d10	188	9.898	9.898	0.000	94	436075	8.00	8.00	
* 5 Chrysene-d12	240	13.077	13.077	0.000	97	507316	8.00	8.00	
* 6 Perylene-d12	264	14.989	14.989	0.000	98	463242	8.00	8.00	
$ 7 2-Fluorophenol	112	4.380	4.380	0.000	91	116965	10.0	9.34	
$ 8 Phenol-d5	99	5.416	5.416	0.000	92	179169	10.0	9.83	
$ 9 Nitrobenzene-d5	82	6.276	6.276	0.000	91	175189	10.0	9.81	
$ 10 2-Fluorobiphenyl	172	7.943	7.943	0.000	100	381194	10.0	9.58	
$ 11 2,4,6-Tribromophenol	330	9.268	9.268	0.000	94	79248	10.0	10.9	
$ 12 Terphenyl-d14	244	11.570	11.570	0.000	96	678403	10.0	9.79	
13 1,4-Dioxane	88	1.426	1.426	0.000	88	37599	10.0	8.82	M
14 N-Nitrosodimethylamine	74	1.858	1.858	0.000	89	56865	10.0	9.87	
15 Pyridine	79	1.907	1.907	0.000	95	209144	20.0	19.6	
21 Methyl methanesulfonate	80	4.134	4.134	0.000	86	66696	10.0	9.56	
25 Benzaldehyde	77	5.304	5.304	0.000	92	130037	10.0	10.7	
27 Aniline	93	5.422	5.422	0.000	88	230094	10.0	9.93	
26 Phenol	94	5.427	5.427	0.000	95	195288	10.0	9.87	
29 Bis(2-chloroethyl)ether	93	5.502	5.502	0.000	88	118630	10.0	9.56	
30 2-Chlorophenol	128	5.539	5.539	0.000	96	148020	10.0	10.5	
31 n-Decane	43	5.625	5.625	0.000	90	134745	10.0	10.3	
32 1,3-Dichlorobenzene	146	5.694	5.694	0.000	97	179308	10.0	10.0	
33 1,4-Dichlorobenzene	146	5.764	5.764	0.000	92	177440	10.0	10.3	
34 Benzyl alcohol	108	5.892	5.892	0.000	88	89410	10.0	10.3	
35 1,2-Dichlorobenzene	146	5.913	5.913	0.000	95	171991	10.0	10.1	
37 Indene	116	5.999	5.999	0.000	89	272866	10.0	9.88	
36 2-Methylphenol	108	6.009	6.009	0.000	97	134830	10.0	11.0	
38 2,2'-oxybis[1-chloropropane]	45	6.031	6.031	0.000	89	178846	10.0	11.5	
39 N-Nitrosopyrrolidine	100	6.105	6.105	0.000	87	72283	10.0	10.8	
40 Acetophenone	105	6.138	6.138	0.000	90	198565	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
41 N-Nitrosodi-n-propylamine	70	6.148	6.148	0.000	87	109908	10.0	10.3	
42 4-Methylphenol	108	6.159	6.159	0.000	92	140423	10.0	10.7	
45 Hexachloroethane	117	6.239	6.239	0.000	90	79667	10.0	10.1	
46 Nitrobenzene	77	6.292	6.292	0.000	88	169062	10.0	9.60	
48 Isophorone	82	6.522	6.522	0.000	98	307897	10.0	10.5	
49 2-Nitrophenol	139	6.597	6.597	0.000	96	77289	10.0	10.5	
50 2,4-Dimethylphenol	107	6.650	6.650	0.000	97	154856	10.0	9.67	
52 Benzoic acid	122	6.698	6.698	0.000	92	64308	10.0	9.06	
53 Bis(2-chloroethoxy)methane	93	6.730	6.730	0.000	96	176128	10.0	8.91	
54 2,4-Dichlorophenol	162	6.821	6.821	0.000	94	151409	10.0	10.6	
56 1,2,4-Trichlorobenzene	180	6.901	6.901	0.000	93	180985	10.0	9.67	
58 Naphthalene	128	6.971	6.971	0.000	98	443669	10.0	9.71	
59 4-Chloroaniline	127	7.019	7.019	0.000	94	183811	10.0	9.62	
60 2,6-Dichlorophenol	162	7.030	7.030	0.000	96	139250	10.0	10.3	
62 Hexachlorobutadiene	225	7.099	7.099	0.000	92	129737	10.0	10.2	
64 Caprolactam	113	7.302	7.302	0.000	77	35572	10.0	10.8	
67 4-Chloro-3-methylphenol	107	7.462	7.462	0.000	93	141556	10.0	10.7	
69 2-Methylnaphthalene	142	7.607	7.607	0.000	92	298878	10.0	10.0	
71 1-Methylnaphthalene	142	7.697	7.697	0.000	92	297506	10.0	10.0	
72 Hexachlorocyclopentadiene	237	7.762	7.762	0.000	94	157765	10.0	10.2	
73 1,2,4,5-Tetrachlorobenzene	216	7.767	7.767	0.000	96	202129	10.0	9.85	
74 2,4,6-Trichlorophenol	196	7.863	7.863	0.000	94	121457	10.0	10.6	
75 2,4,5-Trichlorophenol	196	7.895	7.895	0.000	92	122753	10.0	10.3	
76 1,1'-Biphenyl	154	8.034	8.034	0.000	96	390068	10.0	9.96	
77 2-Chloronaphthalene	162	8.050	8.050	0.000	96	300594	10.0	9.65	
79 2-Nitroaniline	65	8.135	8.135	0.000	75	101366	10.0	10.9	
82 Dimethyl phthalate	163	8.301	8.301	0.000	97	371582	10.0	10.2	
83 1,3-Dinitrobenzene	168	8.322	8.322	0.000	82	48046	10.0	11.7	
84 2,6-Dinitrotoluene	165	8.349	8.349	0.000	84	77863	10.0	10.3	
85 Acenaphthylene	152	8.429	8.429	0.000	98	467447	10.0	10.3	
86 3-Nitroaniline	138	8.504	8.504	0.000	88	77683	10.0	11.1	
88 Acenaphthene	153	8.584	8.584	0.000	95	293511	10.0	9.71	
87 2,4-Dinitrophenol	184	8.595	8.595	0.000	81	96778	20.0	22.4	
89 4-Nitrophenol	109	8.648	8.648	0.000	92	138697	20.0	23.6	
91 2,4-Dinitrotoluene	165	8.718	8.718	0.000	84	101667	10.0	10.7	
93 Dibenzofuran	168	8.739	8.739	0.000	96	440176	10.0	10.1	
95 2,3,5,6-Tetrachlorophenol	232	8.814	8.814	0.000	92	127614	10.0	11.0	
96 2,3,4,6-Tetrachlorophenol	232	8.851	8.851	0.000	71	124851	10.0	10.8	
97 2-Naphthylamine	143	8.878	8.878	0.000	94	290909	10.0	10.8	
98 Diethyl phthalate	149	8.931	8.931	0.000	96	342579	10.0	10.6	
99 Hexadecane	57	8.953	8.953	0.000	95	163556	10.0	9.79	
100 4-Chlorophenyl phenyl ether	204	9.044	9.044	0.000	93	222376	10.0	9.96	
103 Fluorene	166	9.049	9.049	0.000	93	343412	10.0	9.86	
101 4-Nitroaniline	138	9.054	9.054	0.000	77	76862	10.0	11.6	
104 4,6-Dinitro-2-methylphenol	198	9.086	9.086	0.000	82	131905	20.0	21.7	
105 N-Nitrosodiphenylamine	169	9.145	9.145	0.000	65	253313	10.0	10.2	
215 Azobenzene	77	9.188	9.188	0.000	97	415459	10.0	10.4	
90 1,2-Diphenylhydrazine	77	9.188	9.188	0.000	96	415459	10.0	10.4	
110 4-Bromophenyl phenyl ether	248	9.487	9.487	0.000	67	155682	10.0	10.2	
112 Hexachlorobenzene	284	9.556	9.556	0.000	94	161809	10.0	9.60	
113 Atrazine	200	9.621	9.621	0.000	91	130033	10.0	11.5	
116 Pentachlorophenol	266	9.727	9.727	0.000	92	232243	20.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 n-Octadecane	57	9.775	9.775	0.000	90	169694	10.0	10.6	
121 Phenanthrene	178	9.920	9.920	0.000	98	534594	10.0	9.81	
122 Anthracene	178	9.968	9.968	0.000	97	550608	10.0	10.6	
124 Carbazole	167	10.107	10.107	0.000	97	509866	10.0	10.9	
126 Di-n-butyl phthalate	149	10.401	10.401	0.000	99	606962	10.0	11.4	
131 Fluoranthene	202	11.090	11.090	0.000	96	778485	10.0	11.2	
132 Benzidine	184	11.234	11.234	0.000	98	365861	10.0	10.5	
133 Pyrene	202	11.378	11.378	0.000	98	791254	10.0	9.91	
138 Butyl benzyl phthalate	149	12.254	12.254	0.000	97	267337	10.0	10.2	
144 3,3'-Dichlorobenzidine	252	13.024	13.024	0.000	73	289402	10.0	10.1	
146 Benzo[a]anthracene	228	13.061	13.061	0.000	96	771623	10.0	10.2	
145 Bis(2-ethylhexyl) phthalate	149	13.104	13.104	0.000	96	340904	10.0	10.2	
147 Chrysene	228	13.114	13.114	0.000	95	750370	10.0	9.82	
150 Di-n-octyl phthalate	149	14.001	14.001	0.000	99	548518	10.0	9.39	
151 7,12-Dimethylbenz(a)anthracene	256	14.509	14.509	0.000	90	344929	10.0	9.79	
152 Benzo[b]fluoranthene	252	14.514	14.514	0.000	94	733594	10.0	9.31	
153 Benzo[k]fluoranthene	252	14.546	14.546	0.000	96	846010	10.0	10.3	
217 Benzo[e]pyrene	252	14.856	14.856	0.000	94	720383	10.0	9.89	
154 Benzo[a]pyrene	252	14.915	14.915	0.000	74	651872	10.0	9.93	
157 Indeno[1,2,3-cd]pyrene	276	16.464	16.464	0.000	96	700790	10.0	10.1	
158 Dibenz(a,h)anthracene	278	16.480	16.480	0.000	87	605565	10.0	10.2	
159 Benzo[g,h,i]perylene	276	16.886	16.886	0.000	95	641789	10.0	10.1	
S 199 Total Cresols	108				0		20.0	21.7	
S 197 Methyl Phenols,Total	108				0		20.0	21.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SVTAPSTD10i_00477 Amount Added: 1.00 Units: mL

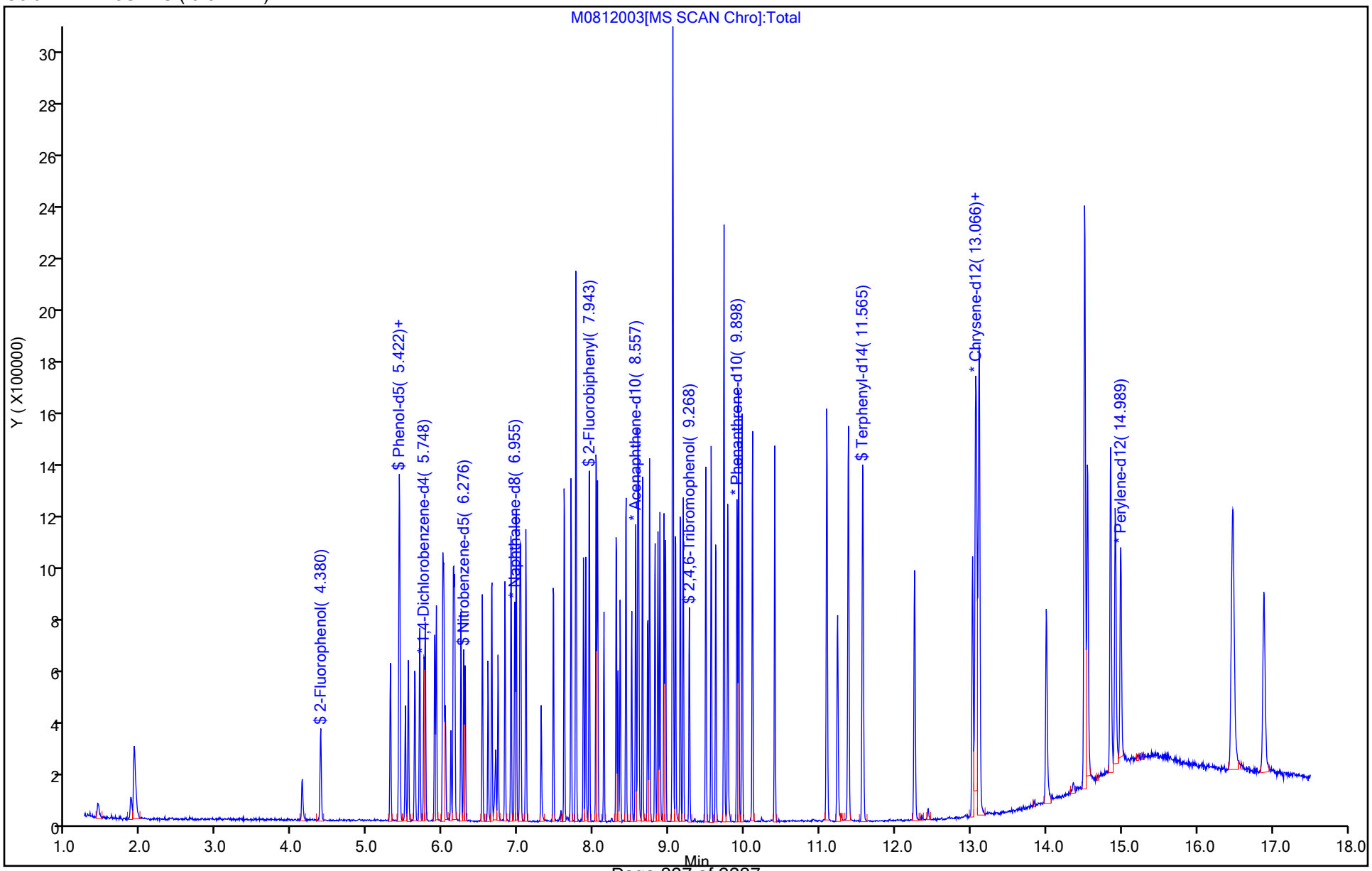
Report Date: 13-Aug-2022 07:08:50 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812003.D

Injection Date:	12-Aug-2022 09:20:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 12-Aug-2022 09:03:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-002
Misc. Info.: DFTPP
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:08:45 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 12-Aug-2022 09:39:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
189 Pentachlorophenol_T	266	5.427	5.427	0.000	90	1521592	NR	NR	
190 DFTPP									
191 Benzidine_T	184	8.039	8.039	0.000	99	9115587	NR	NR	
193 4,4'-DDD	235	9.044	9.044	0.000	95	41043		NR	
194 4,4'-DDT	235	9.583	9.583	0.000	98	4381022	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

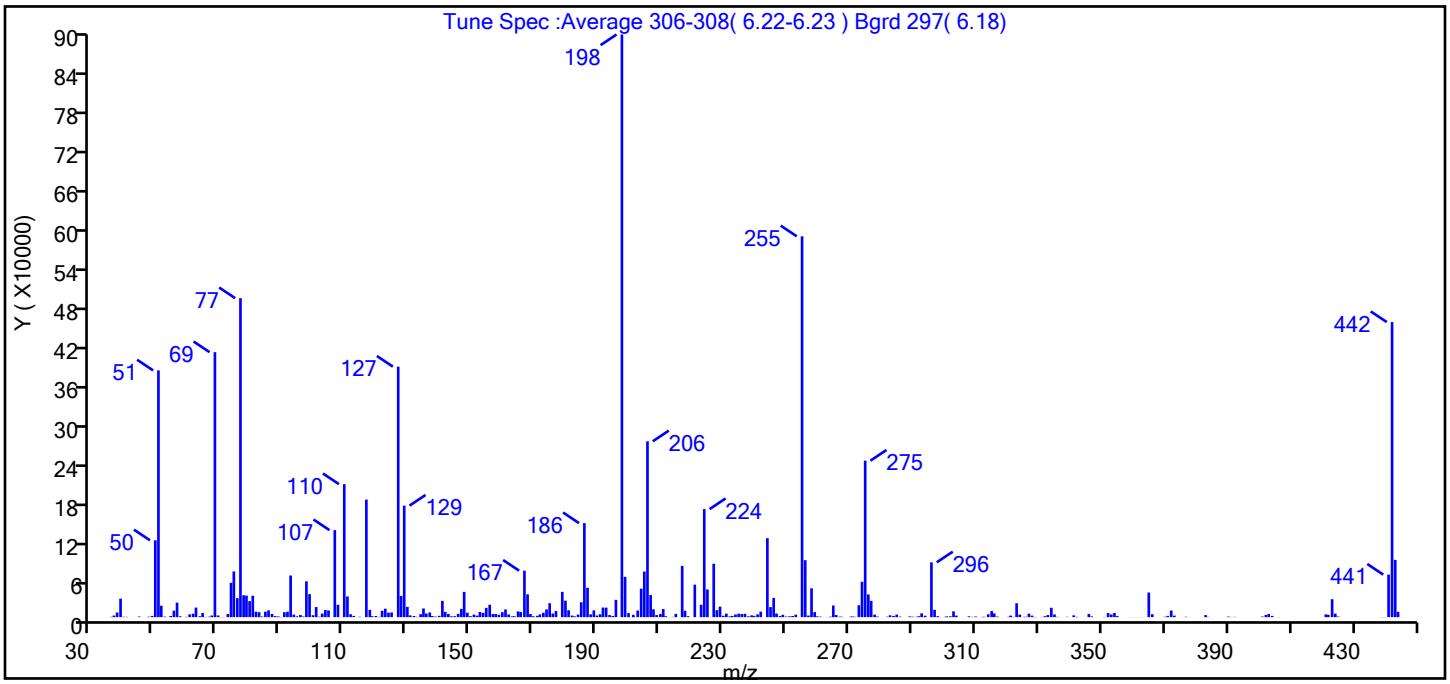
SVDFTPP50i_00046 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D
Injection Date: 12-Aug-2022 09:03:30 Instrument ID: CHMSD7
Lims ID: DFTPP
Client ID:
Operator ID: 003200 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Tune Method: DFTPP Method 8270

190 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	42.3
68	<2% of mass 69	0.3 (0.6)
69	Present	45.5
70	<2% of mass 69	0.3 (0.6)
127	40-60% of mass 198	43.0
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-30% of mass 198	26.9
365	>1% of mass 198	4.2
441	Present but less than mass 443	7.3 (74.2)
442	>40% of mass 198	50.6
443	17-23% of mass 442	9.8 (19.4)

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D\BNA_CHMSD7.rslt\spectra.d
Injection Date: 12-Aug-2022 09:03:30
Spectrum: Tune Spec :Average 306-308(6.22-6.23) Bgrd 297(6.18)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	448	125.00	7274	206.00	271104	297.00	11286
37.00	2395	127.00	386176	207.00	34032	298.00	1520
38.00	7149	128.00	32752	208.00	12014	299.00	172
39.00	28488	129.00	171904	209.00	3262	301.00	462
40.00	566	130.00	15829	210.00	5046	301.00	1152
41.00	452	131.00	2689	211.00	12508	302.00	1305
45.00	1000	132.00	1768	212.00	1431	303.00	8964
48.00	643	133.00	475	213.00	185	304.00	2389
49.00	1891	134.00	4549	214.00	370	308.00	1343
50.00	118472	135.00	13413	215.00	4998	309.00	443
51.00	380416	136.00	5585	217.00	78944	310.00	1012
52.00	17608	137.00	7264	218.00	9794	312.00	318
53.00	803	138.00	1721	219.00	1473	313.00	552
55.00	1778	139.00	853	221.00	50088	314.00	4440
56.00	9957	140.00	1999	223.00	19096	315.00	9354
57.00	22360	141.00	25136	224.00	166528	316.00	5706
58.00	1326	142.00	8122	225.00	42672	317.00	879
60.00	463	143.00	5002	227.00	82304	321.00	561
61.00	4298	144.00	1277	228.00	10756	321.00	2336
62.00	5209	145.00	1436	229.00	16219	322.00	451
63.00	14740	146.00	5102	230.00	2147	323.00	21408
64.00	1371	147.00	12716	231.00	5400	324.00	3955
65.00	6476	148.00	38912	232.00	1203	325.00	406
66.00	425	149.00	6816	233.00	1924	326.00	515
67.00	686	150.00	1521	234.00	4107	327.00	5410
68.00	2501	151.00	3965	235.00	5345	328.00	2314
69.00	408512	152.00	2392	236.00	4853	329.00	363
70.00	2613	153.00	7885	237.00	5174	331.00	313
71.00	192	154.00	6598	238.00	1287	332.00	1477
72.00	182	155.00	14311	239.00	2767	333.00	3236
73.00	4786	156.00	19104	240.00	2005	334.00	14443
74.00	52928	157.00	4726	241.00	4248	335.00	4185
75.00	70448	158.00	4751	242.00	8467	336.00	473

Report Date: 13-Aug-2022 07:08:46 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D\BNA_CHMSD7.rslt\spectra.d
Injection Date: 12-Aug-2022 09:03:30
Spectrum: Tune Spec :Average 306-308(6.22-6.23) Bgrd 297(6.18)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	29240	159.00	3576	244.00	121752	339.00	496
77.00	491776	160.00	7671	245.00	15476	341.00	2748
78.00	33752	161.00	11849	246.00	29640	342.00	521
79.00	33168	162.00	4152	247.00	5642	346.00	5014
80.00	24664	163.00	1223	248.00	1696	347.00	1200
81.00	32984	164.00	1409	249.00	3565	351.00	303
82.00	8408	165.00	8853	250.00	896	352.00	6279
83.00	7668	166.00	7809	251.00	1293	353.00	4069
84.00	1042	167.00	71640	252.00	1771	354.00	6460
85.00	8378	168.00	35144	253.00	3866	355.00	1623
86.00	10513	169.00	4846	255.00	587136	359.00	226
87.00	4889	170.00	1375	256.00	87856	361.00	171
88.00	1628	171.00	2135	257.00	2446	363.00	203
89.00	1092	172.00	4172	258.00	44456	365.00	37992
90.00	219	173.00	6739	259.00	7778	366.00	4493
91.00	7561	174.00	11912	260.00	1214	370.00	565
92.00	8378	175.00	21480	261.00	783	371.00	1898
93.00	64248	176.00	5571	263.00	221	372.00	10170
94.00	3930	177.00	9366	264.00	778	373.00	2356
95.00	1295	179.00	38976	265.00	17920	377.00	592
96.00	3303	180.00	25432	266.00	3237	383.00	3188
97.00	932	181.00	10653	267.00	711	384.00	454
98.00	55272	182.00	2405	268.00	636	390.00	863
99.00	35496	183.00	1228	270.00	733	391.00	307
100.00	2968	184.00	3960	271.00	1047	392.00	432
101.00	15610	185.00	22944	272.00	512	401.00	912
102.00	679	186.00	144896	273.00	18368	402.00	3326
103.00	5501	187.00	45272	274.00	54544	403.00	4925
104.00	11091	188.00	4318	275.00	241280	404.00	1875
105.00	10345	189.00	10394	276.00	34960	406.00	173
107.00	134144	190.00	2558	277.00	25104	421.00	4317
108.00	19064	191.00	4474	278.00	3806	422.00	3548
110.00	205056	192.00	14775	279.00	946	423.00	27688
111.00	31896	193.00	14667	282.00	684	424.00	5456

Report Date: 13-Aug-2022 07:08:46 Chrom Revision: 2.3 08-Aug-2022 16:03:06
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D\BNA_CHMSD7.rslt\spectra.d
Injection Date: 12-Aug-2022 09:03:30
Spectrum: Tune Spec :Average 306-308(6.22-6.23) Bgrd 297(6.18)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	4493	194.00	3238	283.00	2842	425.00	944
113.00	1927	195.00	1821	284.00	1870	438.00	195
115.00	618	196.00	26592	285.00	3965	440.00	194
117.00	181184	198.00	898304	286.00	806	440.00	180
118.00	11218	199.00	62096	289.00	1103	441.00	65504
119.00	1470	200.00	6239	290.00	757	442.00	454912
120.00	1772	202.00	3584	291.00	498	443.00	88256
121.00	483	202.00	1164	292.00	1472	444.00	8201
122.00	9847	203.00	10196	293.00	5911	446.00	173
123.00	13011	204.00	43960	294.00	2190		
124.00	6910	205.00	70256	296.00	84504		

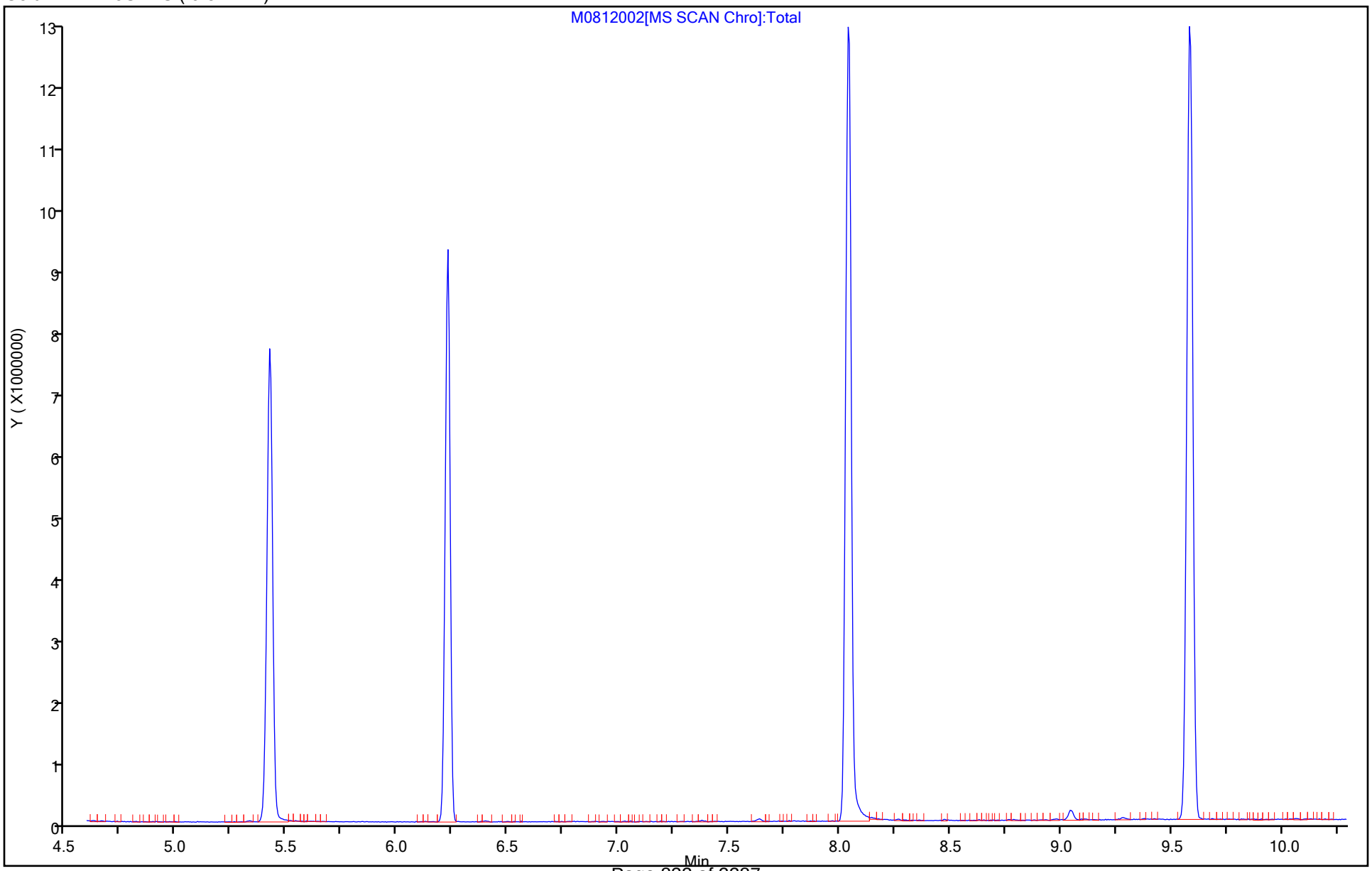
Report Date: 13-Aug-2022 07:08:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D

Injection Date:	12-Aug-2022 09:03:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Breakdown Report

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D
Injection Date: 12-Aug-2022 09:03:30 Instrument ID: CHMSD7
Lims ID: DFTPP
Client ID:
Operator ID: 003200 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL

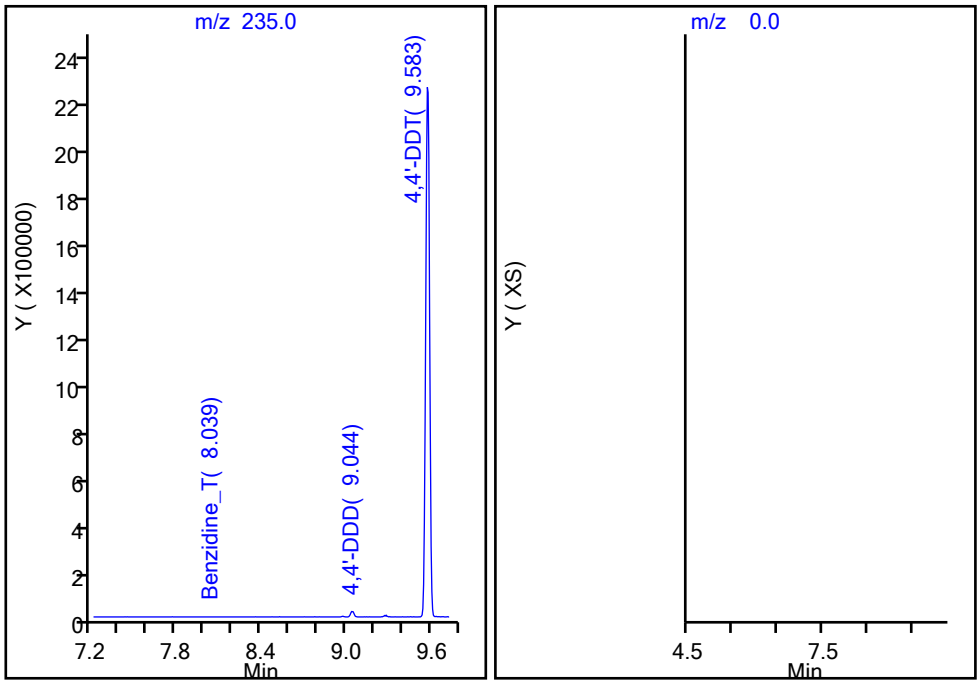
194 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

194 4,4'-DDT, Area = 4381022
192 4,4'-DDE, Area = 0
193 4,4'-DDD, Area = 41043

%Breakdown: 0.93%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Pittsburgh

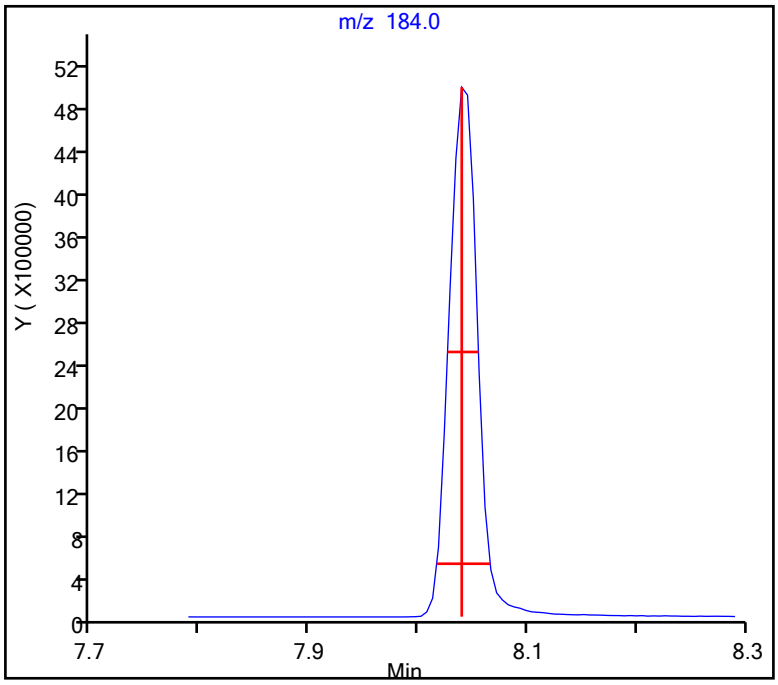
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D
Injection Date: 12-Aug-2022 09:03:30 Instrument ID: CHMSD7
Lims ID: DFTPP
Client ID:
Operator ID: 003200 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL

191 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.026 (min.)
Front Width = 0.023 (min.)

Tailing Factor = 1.13, Max. Tailing <= 3.00
Passed



Peak Tailing Report

Eurofins Pittsburgh

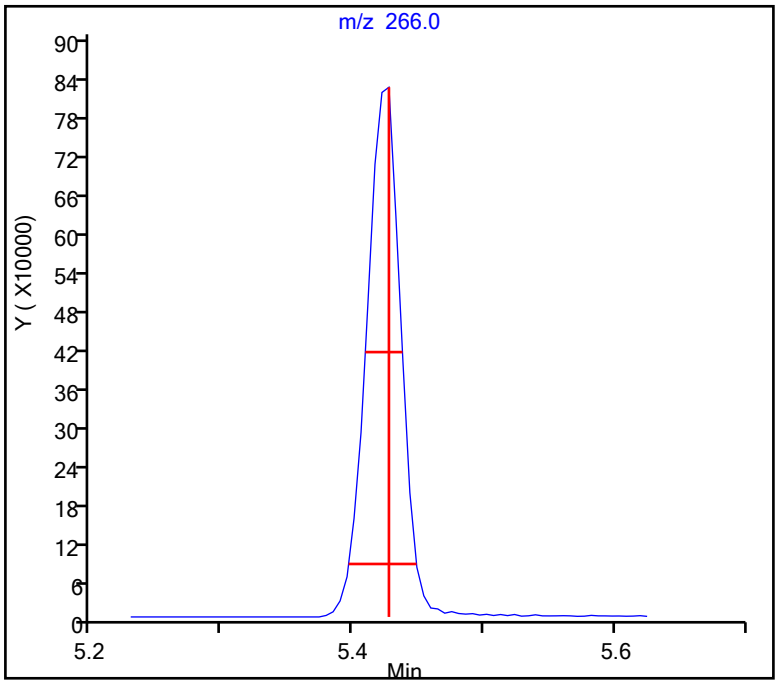
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812002.D
Injection Date: 12-Aug-2022 09:03:30 Instrument ID: CHMSD7
Lims ID: DFTPP
Client ID:
Operator ID: 003200 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL

189 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.031 (min.)

Tailing Factor = 0.68, Max. Tailing <= 5.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-408319/1-A

Matrix: Solid | Lab File ID: M0812006.D

Analysis Method: EPA 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2022 07:00

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2022 10:23

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 408454 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.050	0.0045
95-95-4	2,4,5-Trichlorophenol	ND		0.050	0.0079
88-06-2	2,4,6-Trichlorophenol	ND		0.050	0.0095
121-14-2	2,4-Dinitrotoluene	ND		0.050	0.0079
1319-77-3	Cresols, Total	ND		0.10	0.012
118-74-1	Hexachlorobenzene	ND		0.050	0.0055
87-68-3	Hexachlorobutadiene	ND		0.050	0.0084
67-72-1	Hexachloroethane	ND		0.050	0.0040
106-44-5	m & p-Cresol	ND		0.050	0.0079
98-95-3	Nitrobenzene	ND		0.050	0.012
95-48-7	o-Cresol	ND		0.050	0.0040
87-86-5	Pentachlorophenol	ND		0.25	0.0075
110-86-1	Pyridine	ND		0.10	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	72		32-115
321-60-8	2-Fluorobiphenyl	65		55-105
367-12-4	2-Fluorophenol (Surr)	69		55-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		55-109
4165-62-2	Phenol-d5 (Surr)	73		48-105
1718-51-0	Terphenyl-d14 (Surr)	62		37-107

Report Date: 13-Aug-2022 07:09:10 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812006.D
Lims ID: MB 180-408319/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 10:23:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-006
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.752	5.753	-0.001	96	124733	8.00	8.00	
* 2 Naphthalene-d8	136	6.954	6.950	0.004	100	460215	8.00	8.00	
* 3 Acenaphthene-d10	164	8.552	8.552	0.000	94	281328	8.00	8.00	
* 4 Phenanthrene-d10	188	9.893	9.898	-0.005	94	592116	8.00	8.00	
* 5 Chrysene-d12	240	13.071	13.072	-0.001	96	686597	8.00	8.00	
* 6 Perylene-d12	264	14.984	14.984	0.000	98	606428	8.00	8.00	
$ 7 2-Fluorophenol	112	4.396	4.380	0.016	91	439756	40.0	27.5	
$ 8 Phenol-d5	99	5.421	5.416	0.005	90	681652	40.0	29.3	
$ 9 Nitrobenzene-d5	82	6.281	6.276	0.005	90	650895	40.0	27.5	
$ 10 2-Fluorobiphenyl	172	7.937	7.943	-0.006	100	1399920	40.0	25.9	
$ 11 2,4,6-Tribromophenol	330	9.262	9.268	-0.006	95	281363	40.0	28.6	
$ 12 Terphenyl-d14	244	11.559	11.570	-0.011	95	2322972	40.0	24.8	

QC Flag Legend
Processing Flags

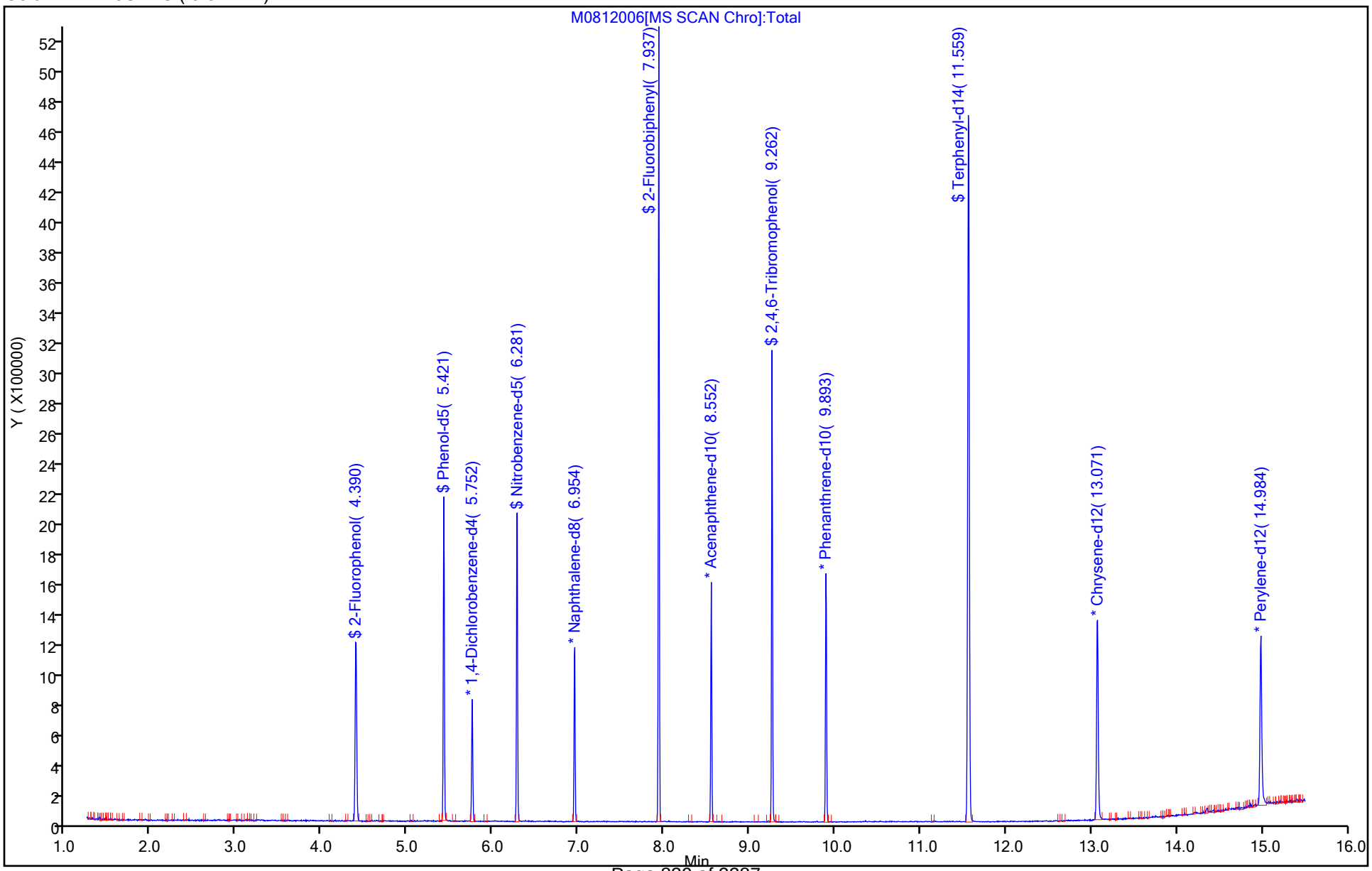
Reagents:
SVTAPITINTRNi_00029 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 13-Aug-2022 07:09:10 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812006.D				
Injection Date:	12-Aug-2022 10:23:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	MB 180-408319/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812006.D
Lims ID: MB 180-408319/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 10:23:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-006
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	27.5	68.79
$ 8 Phenol-d5	40.0	29.3	73.21
$ 9 Nitrobenzene-d5	40.0	27.5	68.64
$ 10 2-Fluorobiphenyl	40.0	25.9	64.76
$ 11 2,4,6-Tribromophenol	40.0	28.6	71.57
$ 12 Terphenyl-d14	40.0	24.8	61.93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 180-408025/1-D

Matrix: Solid (TCLP) | Lab File ID: M0812017.D

Analysis Method: EPA 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2022 07:00

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2022 14:16

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 408454 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.050	0.0045
95-95-4	2,4,5-Trichlorophenol	ND		0.050	0.0079
88-06-2	2,4,6-Trichlorophenol	ND		0.050	0.0095
121-14-2	2,4-Dinitrotoluene	ND		0.050	0.0079
1319-77-3	Cresols, Total	ND		0.10	0.012
118-74-1	Hexachlorobenzene	ND		0.050	0.0055
87-68-3	Hexachlorobutadiene	ND		0.050	0.0084
67-72-1	Hexachloroethane	ND		0.050	0.0040
106-44-5	m & p-Cresol	ND		0.050	0.0079
98-95-3	Nitrobenzene	ND		0.050	0.012
95-48-7	o-Cresol	ND		0.050	0.0040
87-86-5	Pentachlorophenol	ND		0.25	0.0075
110-86-1	Pyridine	ND		0.10	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	71		32-115
321-60-8	2-Fluorobiphenyl	63		55-105
367-12-4	2-Fluorophenol (Surr)	68		55-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		55-109
4165-62-2	Phenol-d5 (Surr)	70		48-105
1718-51-0	Terphenyl-d14 (Surr)	62		37-107

Report Date: 13-Aug-2022 07:11:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812017.D
Lims ID: LB 180-408025/1-D
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 14:16:30 ALS Bottle#: 16 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-017
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 07:01:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.760	5.753	0.007	95	135984	8.00	8.00	
* 2 Naphthalene-d8	136	6.951	6.950	0.001	99	476740	8.00	8.00	
* 3 Acenaphthene-d10	164	8.543	8.552	-0.009	94	292992	8.00	8.00	
* 4 Phenanthrene-d10	188	9.889	9.898	-0.009	96	616964	8.00	8.00	
* 5 Chrysene-d12	240	13.063	13.072	-0.009	97	695900	8.00	8.00	
* 6 Perylene-d12	264	14.975	14.984	-0.009	98	624244	8.00	8.00	
$ 7 2-Fluorophenol	112	4.408	4.380	0.028	91	470907	40.0	27.0	
$ 8 Phenol-d5	99	5.429	5.416	0.013	90	708888	40.0	27.9	
$ 9 Nitrobenzene-d5	82	6.278	6.276	0.002	90	684163	40.0	27.9	
$ 10 2-Fluorobiphenyl	172	7.934	7.943	-0.009	100	1422491	40.0	25.3	
$ 11 2,4,6-Tribromophenol	330	9.259	9.268	-0.009	95	291447	40.0	28.5	
$ 12 Terphenyl-d14	244	11.556	11.570	-0.014	95	2372877	40.0	25.0	

QC Flag Legend
Processing Flags

Reagents:
SVTAPITINTRNi_00029 Amount Added: 1.00 Units: uL Run Reagent

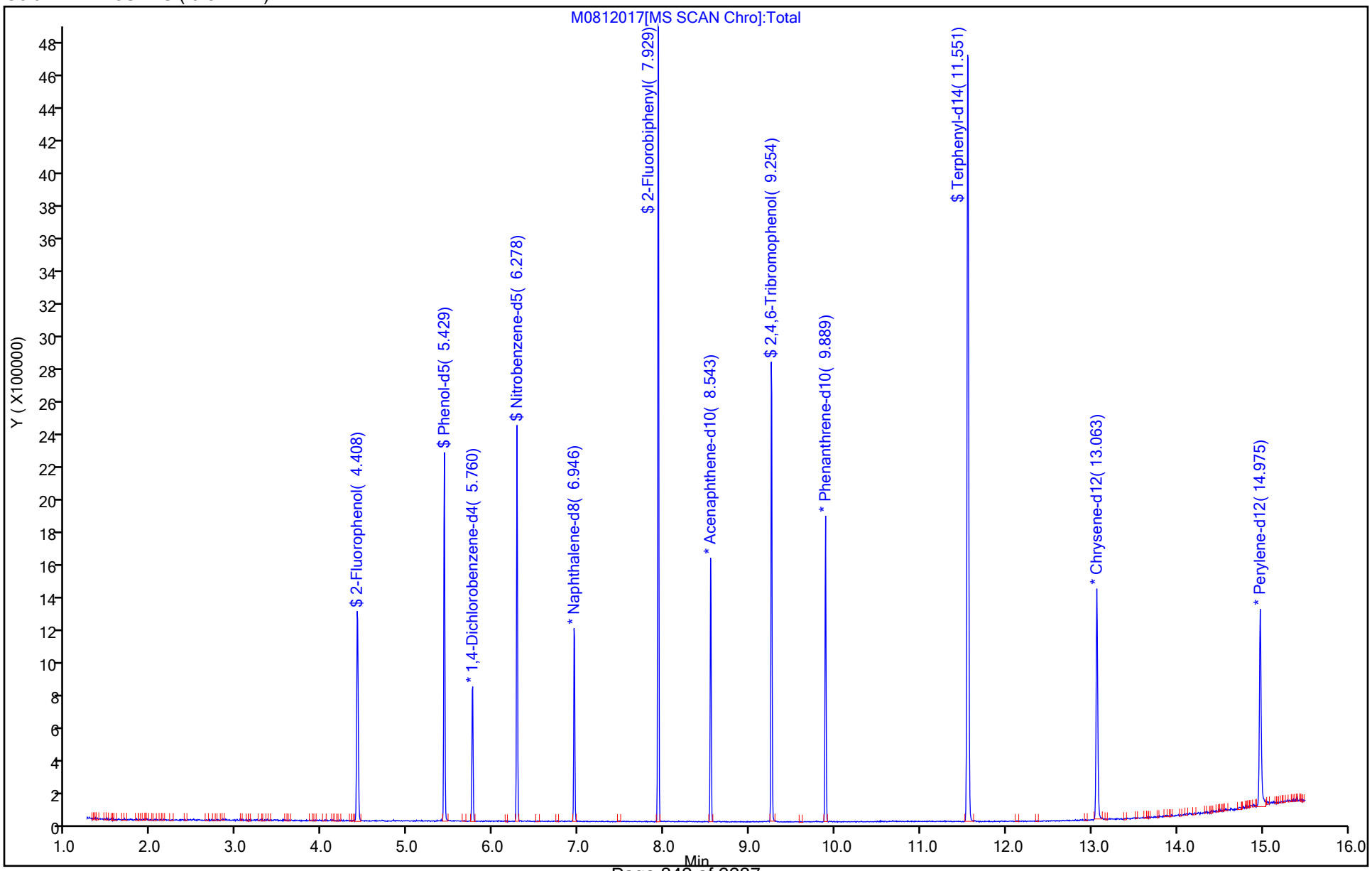
Report Date: 13-Aug-2022 07:11:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812017.D

Injection Date:	12-Aug-2022 14:16:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	LB 180-408025/1-D			Worklist Smp#:	17
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812017.D
Lims ID: LB 180-408025/1-D
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 14:16:30 ALS Bottle#: 16 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-017
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 07:01:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	27.0	67.57
$ 8 Phenol-d5	40.0	27.9	69.84
$ 9 Nitrobenzene-d5	40.0	27.9	69.65
$ 10 2-Fluorobiphenyl	40.0	25.3	63.18
$ 11 2,4,6-Tribromophenol	40.0	28.5	71.15
$ 12 Terphenyl-d14	40.0	25.0	62.42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-408319/2-A

Matrix: Solid | Lab File ID: M0812007.D

Analysis Method: EPA 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2022 07:00

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2022 10:42

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 408454 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.192		0.050	0.0045
95-95-4	2,4,5-Trichlorophenol	0.191		0.050	0.0079
88-06-2	2,4,6-Trichlorophenol	0.187		0.050	0.0095
121-14-2	2,4-Dinitrotoluene	0.156		0.050	0.0079
1319-77-3	Cresols, Total	0.610		0.10	0.012
118-74-1	Hexachlorobenzene	0.113		0.050	0.0055
87-68-3	Hexachlorobutadiene	0.187		0.050	0.0084
67-72-1	Hexachloroethane	0.176		0.050	0.0040
106-44-5	m & p-Cresol	0.402		0.050	0.0079
98-95-3	Nitrobenzene	0.171		0.050	0.012
95-48-7	o-Cresol	0.208		0.050	0.0040
87-86-5	Pentachlorophenol	0.146	J	0.25	0.0075
110-86-1	Pyridine	0.185		0.10	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		32-115
321-60-8	2-Fluorobiphenyl	68		55-105
367-12-4	2-Fluorophenol (Surr)	71		55-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		55-109
4165-62-2	Phenol-d5 (Surr)	76		48-105
1718-51-0	Terphenyl-d14 (Surr)	69		37-107

Report Date: 13-Aug-2022 07:09:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812007.D
Lims ID: LCS 180-408319/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 10:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-007
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.752	5.753	-0.001	94	115193	8.00	8.00	
* 2 Naphthalene-d8	136	6.954	6.950	0.004	99	407584	8.00	8.00	
* 3 Acenaphthene-d10	164	8.551	8.552	-0.001	94	248225	8.00	8.00	
* 4 Phenanthrene-d10	188	9.897	9.898	-0.001	94	539510	8.00	8.00	
* 5 Chrysene-d12	240	13.076	13.072	0.004	97	607992	8.00	8.00	
* 6 Perylene-d12	264	14.983	14.984	-0.001	98	535633	8.00	8.00	
$ 7 2-Fluorophenol	112	4.390	4.380	0.010	92	421938	40.0	28.6	
$ 8 Phenol-d5	99	5.421	5.416	0.005	90	653466	40.0	30.4	
$ 9 Nitrobenzene-d5	82	6.281	6.276	0.005	91	598679	40.0	28.5	
$ 10 2-Fluorobiphenyl	172	7.937	7.943	-0.006	100	1300610	40.0	27.3	
$ 11 2,4,6-Tribromophenol	330	9.267	9.268	-0.001	95	280425	40.0	31.3	
$ 12 Terphenyl-d14	244	11.564	11.570	-0.006	95	2283570	40.0	27.5	
15 Pyridine	79	1.927	1.907	0.020	95	93248	10.0	7.41	
33 1,4-Dichlorobenzene	146	5.768	5.764	0.004	92	156337	10.0	7.69	
36 2-Methylphenol	108	6.014	6.009	0.005	97	120206	10.0	8.32	
42 4-Methylphenol	108	6.158	6.159	-0.001	93	248096	20.0	16.1	
45 Hexachloroethane	117	6.243	6.239	0.004	88	65330	10.0	7.05	
46 Nitrobenzene	77	6.297	6.292	0.005	89	141460	10.0	6.83	
62 Hexachlorobutadiene	225	7.098	7.099	-0.001	94	112475	10.0	7.49	
74 2,4,6-Trichlorophenol	196	7.862	7.863	-0.001	94	102893	10.0	7.48	
75 2,4,5-Trichlorophenol	196	7.894	7.895	-0.001	92	109217	10.0	7.64	
91 2,4-Dinitrotoluene	165	8.711	8.718	-0.007	85	71081	10.0	6.25	
112 Hexachlorobenzene	284	9.555	9.556	-0.001	94	94240	10.0	4.52	
116 Pentachlorophenol	266	9.726	9.727	-0.001	90	72580	10.0	5.86	
S 199 Total Cresols	108				0		30.0	24.4	
S 197 Methyl Phenols,Total	108				0		30.0	24.4	

QC Flag Legend

Processing Flags

Reagents:

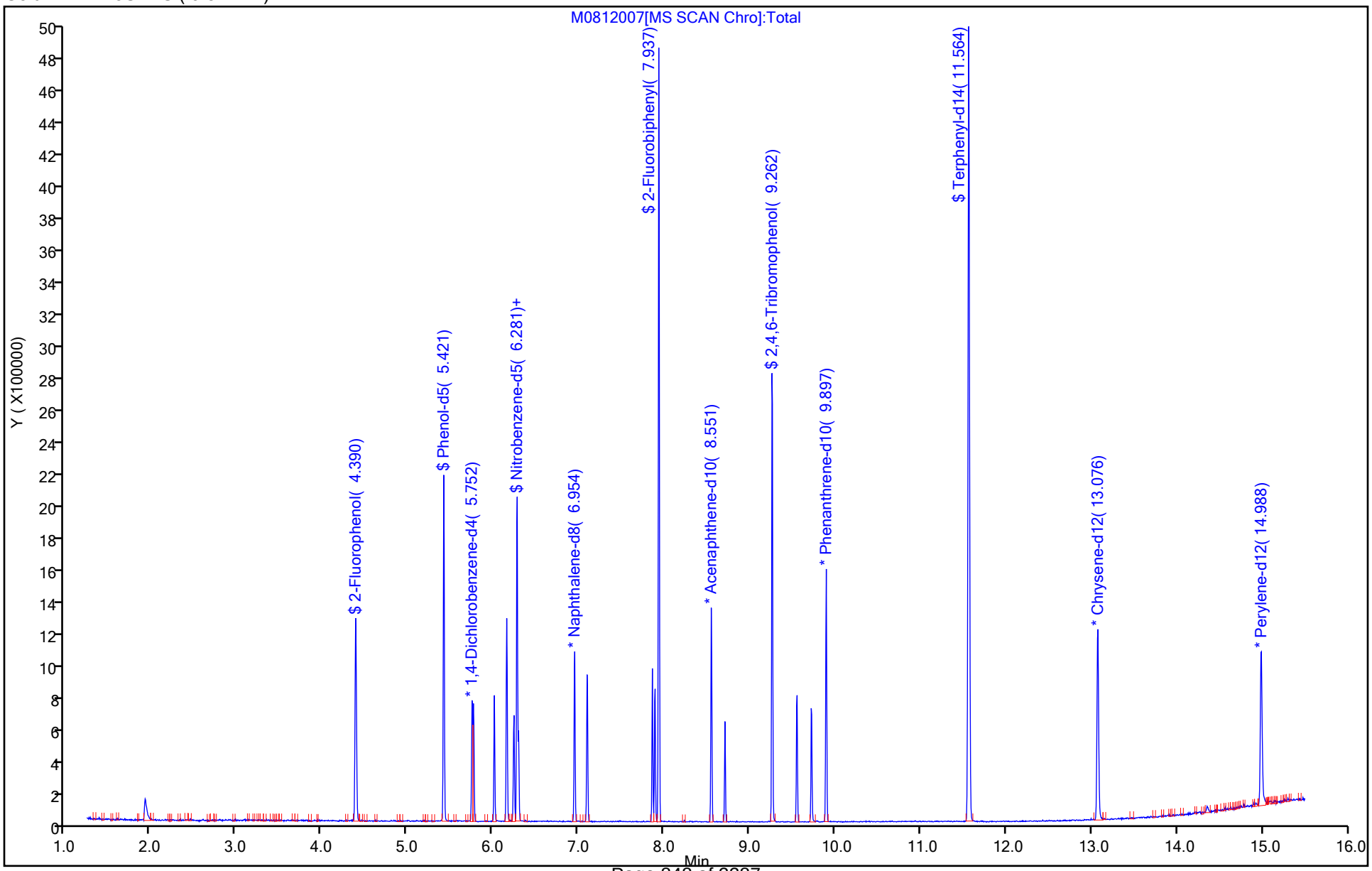
SVTAPITINTRNi_00029 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 13-Aug-2022 07:09:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812007.D				
Injection Date:	12-Aug-2022 10:42:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	LCS 180-408319/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812007.D
Lims ID: LCS 180-408319/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 10:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-007
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	28.6	71.47
$ 8 Phenol-d5	40.0	30.4	76.00
$ 9 Nitrobenzene-d5	40.0	28.5	71.28
$ 10 2-Fluorobiphenyl	40.0	27.3	68.19
$ 11 2,4,6-Tribromophenol	40.0	31.3	78.29
$ 12 Terphenyl-d14	40.0	27.5	68.75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-408319/3-A

Matrix: Solid | Lab File ID: M0812008.D

Analysis Method: EPA 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2022 07:00

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2022 11:02

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: Rxi-5SilMS ID: 0.32(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 408454 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.190		0.050	0.0045
95-95-4	2,4,5-Trichlorophenol	0.194		0.050	0.0079
88-06-2	2,4,6-Trichlorophenol	0.187		0.050	0.0095
121-14-2	2,4-Dinitrotoluene	0.164		0.050	0.0079
1319-77-3	Cresols, Total	0.596		0.10	0.012
118-74-1	Hexachlorobenzene	0.112		0.050	0.0055
87-68-3	Hexachlorobutadiene	0.188		0.050	0.0084
67-72-1	Hexachloroethane	0.177		0.050	0.0040
106-44-5	m & p-Cresol	0.399		0.050	0.0079
98-95-3	Nitrobenzene	0.171		0.050	0.012
95-48-7	o-Cresol	0.196		0.050	0.0040
87-86-5	Pentachlorophenol	0.147	J	0.25	0.0075
110-86-1	Pyridine	0.190		0.10	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		32-115
321-60-8	2-Fluorobiphenyl	70		55-105
367-12-4	2-Fluorophenol (Surr)	71		55-105
4165-60-0	Nitrobenzene-d5 (Surr)	74		55-109
4165-62-2	Phenol-d5 (Surr)	76		48-105
1718-51-0	Terphenyl-d14 (Surr)	70		37-107

Report Date: 13-Aug-2022 07:09:32 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812008.D
Lims ID: LCSD 180-408319/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 11:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-008
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.755	5.753	0.002	95	113102	8.00	8.00	
* 2 Naphthalene-d8	136	6.951	6.950	0.001	99	398067	8.00	8.00	
* 3 Acenaphthene-d10	164	8.554	8.552	0.002	96	235620	8.00	8.00	
* 4 Phenanthrene-d10	188	9.895	9.898	-0.003	94	510171	8.00	8.00	
* 5 Chrysene-d12	240	13.073	13.072	0.001	98	586895	8.00	8.00	
* 6 Perylene-d12	264	14.986	14.984	0.002	99	533319	8.00	8.00	
$ 7 2-Fluorophenol	112	4.392	4.380	0.012	92	410035	40.0	28.3	
$ 8 Phenol-d5	99	5.423	5.416	0.007	90	641880	40.0	30.4	
$ 9 Nitrobenzene-d5	82	6.278	6.276	0.002	91	606539	40.0	29.6	
$ 10 2-Fluorobiphenyl	172	7.940	7.943	-0.003	100	1263479	40.0	27.9	
$ 11 2,4,6-Tribromophenol	330	9.264	9.268	-0.004	95	266356	40.0	31.5	
$ 12 Terphenyl-d14	244	11.562	11.570	-0.008	96	2233431	40.0	27.9	
15 Pyridine	79	1.930	1.907	0.023	95	93926	10.0	7.60	M
33 1,4-Dichlorobenzene	146	5.771	5.764	0.007	91	151321	10.0	7.58	
36 2-Methylphenol	108	6.011	6.009	0.002	97	111369	10.0	7.85	
42 4-Methylphenol	108	6.155	6.159	-0.004	93	242067	20.0	16.0	
45 Hexachloroethane	117	6.241	6.239	0.002	88	64284	10.0	7.07	
46 Nitrobenzene	77	6.294	6.292	0.002	89	138662	10.0	6.85	
62 Hexachlorobutadiene	225	7.101	7.099	0.002	94	110556	10.0	7.53	
74 2,4,6-Trichlorophenol	196	7.859	7.863	-0.004	94	97484	10.0	7.47	
75 2,4,5-Trichlorophenol	196	7.891	7.895	-0.004	91	105209	10.0	7.75	
91 2,4-Dinitrotoluene	165	8.709	8.718	-0.009	86	70999	10.0	6.58	
112 Hexachlorobenzene	284	9.553	9.556	-0.003	94	88426	10.0	4.48	
116 Pentachlorophenol	266	9.724	9.727	-0.003	91	68984	10.0	5.89	
S 199 Total Cresols	108				0		30.0	23.8	
S 197 Methyl Phenols,Total	108				0		30.0	23.8	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated

Reagents:

SVTAPITINTRNi_00029 Amount Added: 1.00 Units: uL Run Reagent

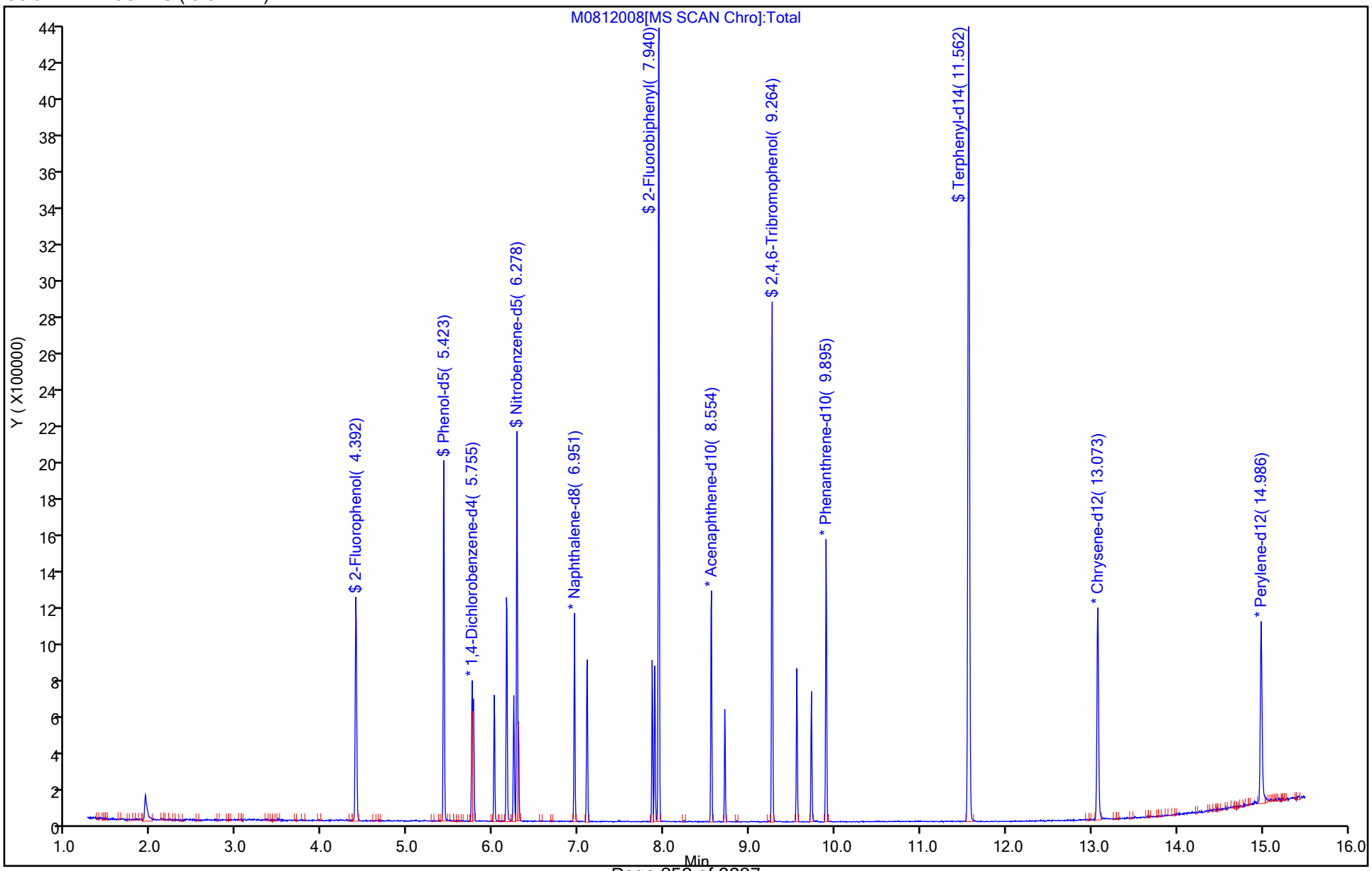
Report Date: 13-Aug-2022 07:09:34 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812008.D

Injection Date:	12-Aug-2022 11:02:30	Instrument ID:	CHMSD7	Operator ID:	003200
Lims ID:	LCSD 180-408319/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	BNA_CHMSD7	Limit Group:	BNA 8270E ICAL		

Column: Rxi-5SilMS (0.32 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812008.D
Lims ID: LCSD 180-408319/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 11:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044201-008
Operator ID: 003200 Instrument ID: CHMSD7

Method: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\BNA_CHMSD7.m
Limit Group: BNA 8270E ICAL
Last Update: 13-Aug-2022 07:09:01 Calib Date: 10-Aug-2022 12:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220810-44157.b\M0810020.D

Column 1 : Rxi-5SilMS (0.32 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: BCU1 Date: 13-Aug-2022 06:57:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	28.3	70.74
$ 8 Phenol-d5	40.0	30.4	76.03
$ 9 Nitrobenzene-d5	40.0	29.6	73.95
$ 10 2-Fluorobiphenyl	40.0	27.9	69.79
$ 11 2,4,6-Tribromophenol	40.0	31.5	78.64
$ 12 Terphenyl-d14	40.0	27.9	69.66

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

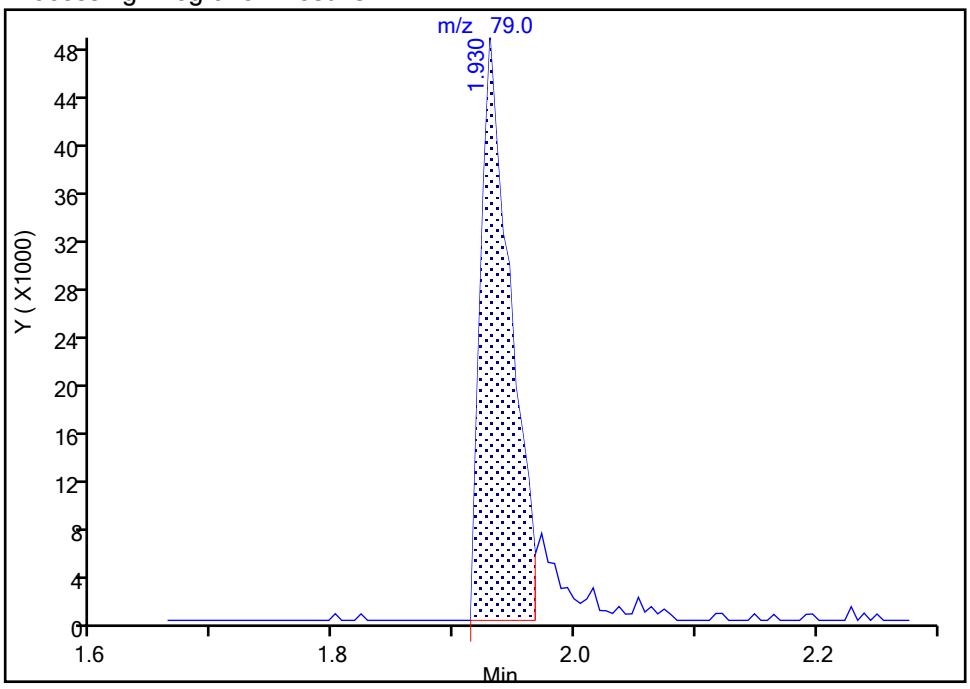
Data File: \\chromfs\Pittsburgh\ChromData\CHMSD7\20220812-44201.b\M0812008.D
Injection Date: 12-Aug-2022 11:02:30 Instrument ID: CHMSD7
Lims ID: LCSD 180-408319/3-A
Client ID:
Operator ID: 003200 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: BNA_CHMSD7 Limit Group: BNA 8270E ICAL
Column: Rxi-5SilMS (0.32 mm) Detector MS SCAN

15 Pyridine, CAS: 110-86-1

Signal: 1

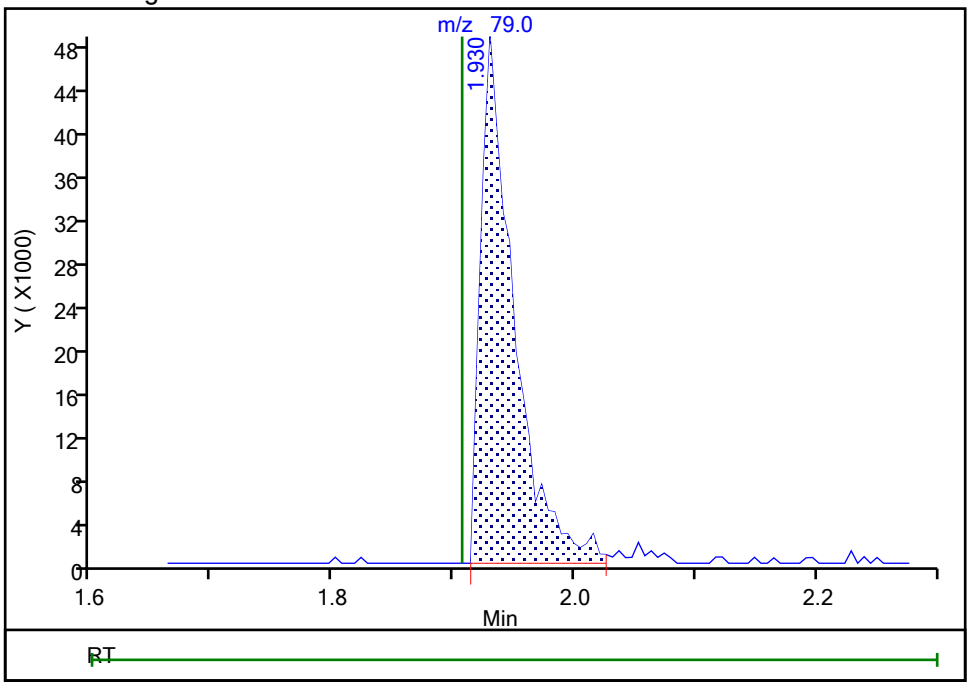
Processing Integration Results

RT: 1.93
Area: 83724
Amount: 6.775202
Amount Units: ng



Manual Integration Results

RT: 1.93
Area: 93926
Amount: 7.600779
Amount Units: ng



Reviewer: BCU1, 13-Aug-2022 06:57:24
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Start Date: 08/10/2022 06:19

Analysis Batch Number: 408103 End Date: 08/10/2022 13:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-408103/2		08/10/2022 06:19	1	M0810002.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/3		08/10/2022 06:34	1	M0810003.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/4		08/10/2022 06:56	1	M0810004.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/5		08/10/2022 07:18	1	M0810005.D	Rxi-5SilMS 0.32(mm)
ICIS 180-408103/6		08/10/2022 07:40	1	M0810006.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/7		08/10/2022 08:02	1	M0810007.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/8		08/10/2022 08:24	1	M0810008.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/9		08/10/2022 08:46	1	M0810009.D	Rxi-5SilMS 0.32(mm)
IC 180-408103/10		08/10/2022 09:08	1	M0810010.D	Rxi-5SilMS 0.32(mm)
ICV 180-408103/11		08/10/2022 09:30	1		Rxi-5SilMS 0.32(mm)
ICV 180-408103/12		08/10/2022 09:52	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/13		08/10/2022 10:14	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/14		08/10/2022 10:36	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/15		08/10/2022 10:58	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/16		08/10/2022 11:20	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/17		08/10/2022 11:42	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/18		08/10/2022 12:05	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/19		08/10/2022 12:26	1		Rxi-5SilMS 0.32(mm)
IC 180-408103/20		08/10/2022 12:49	1		Rxi-5SilMS 0.32(mm)
ICV 180-408103/21		08/10/2022 13:11	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHMSD7 Start Date: 08/12/2022 09:03

Analysis Batch Number: 408454 End Date: 08/12/2022 20:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-408454/2		08/12/2022 09:03	1	M0812002.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-408454/3		08/12/2022 09:20	1	M0812003.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 10:01	1		Rxi-5SilMS 0.32(mm)
MB 180-408319/1-A		08/12/2022 10:23	1	M0812006.D	Rxi-5SilMS 0.32(mm)
LCS 180-408319/2-A		08/12/2022 10:42	1	M0812007.D	Rxi-5SilMS 0.32(mm)
LCSD 180-408319/3-A		08/12/2022 11:02	1	M0812008.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 12:05	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 12:26	5		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 13:10	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 13:32	5		Rxi-5SilMS 0.32(mm)
LB 180-408025/1-D		08/12/2022 14:16	1	M0812017.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 14:36	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 14:55	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 15:15	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 15:37	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 15:59	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 17:23	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 17:43	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 18:03	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 18:23	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 18:43	1		Rxi-5SilMS 0.32(mm)
180-142292-1	TI-NA-FL-D-2207270900	08/12/2022 19:02	1	M0812031.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 19:22	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 19:42	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/12/2022 20:02	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 180-408025/1		EPA 1311, 3510C, EPA 8270E		100.00 g	2000 mL	5.00 g	96.5 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3510C, EPA 8270E	P	100.13 g	2000 mL	5.01 g	96.5 mL	9.78 SU	3.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid
LB 180-408025/1		EPA 1311, 3510C, EPA 8270E		50 Celsius		08/10/22	2 hrs	4.95 SU	TCLP Extraction Fluid #1
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3510C, EPA 8270E	P	50 Celsius	1.61 SU	08/10/22	2 hrs	6.98 SU	TCLP Extraction Fluid #1

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Batch Notes	
Hot Plate ID	TCLP-2
Thermometer ID	TCLP-2
First Start time	1100
First End time	1400
Rotator ID	# 5
Tumbler Rotations per Minute	30
Probe ID	XP1-16342
Balance ID	AND-14577823
pH Meter ID	ACCUMET-XL-150
pH Meter Calibration Slope	96.7 / 97.9
Room Temperature Thermometer ID	FISHER-160719405
Uncorrected Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Celsius
Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Degrees C
TCLP Fluid 1 ID	4888942
TCLP Fluid 1 pH	4.93
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
Lot # of Nitric Acid	4607837
1N HCl ID	4896087
Filter ID	4877852
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Analyst ID - Spike Analyst	MJC
Analyst ID - Spike Witness Analyst	RGT
Bottle Lot ID	0400401G
Room Temperature during Rotation	21.0 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Uncorrected Room Temperature	21.0 Degrees C
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408103 Batch Start Date: 08/10/22 06:19 Batch Analyst: Piccolino, Vincent

Batch Method: EPA 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVDFTPP50i 00046	SVTAPSTD0.38i 00018	SVTAPSTD10i 00476	SVTAPSTD2.0i 00029	SVTAPSTD20i 00024	SVTAPSTD4.0i 00026
DFTPP 180-408103/2		EPA 8270E		1 mL					
IC 180-408103/3		EPA 8270E			1 mL				
IC 180-408103/4		EPA 8270E					1 mL		
IC 180-408103/5		EPA 8270E							1 mL
ICIS 180-408103/6		EPA 8270E				1 mL			
IC 180-408103/7		EPA 8270E						1 mL	
IC 180-408103/8		EPA 8270E							
IC 180-408103/9		EPA 8270E							
IC 180-408103/10		EPA 8270E							

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVTAPSTD40i 00024	SVTAPSTD60i 00024	SVTAPSTD80i 00024			
DFTPP 180-408103/2		EPA 8270E							
IC 180-408103/3		EPA 8270E							
IC 180-408103/4		EPA 8270E							
IC 180-408103/5		EPA 8270E							
ICIS 180-408103/6		EPA 8270E							
IC 180-408103/7		EPA 8270E							
IC 180-408103/8		EPA 8270E		1 mL					
IC 180-408103/9		EPA 8270E			1 mL				
IC 180-408103/10		EPA 8270E				1 mL			

Batch Notes	
Dilution Solution ID	4866532

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408319 Batch Start Date: 08/11/22 07:00 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 08/11/22 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP8270TCLPSPi 00050
MB 180-408319/1		3510C, EPA 8270E		200 mL	10.0 mL	6 SU	2 SU	11 SU	
LCS 180-408319/2		3510C, EPA 8270E		200 mL	10.0 mL	6 SU	2 SU	11 SU	0.5 mL
LCSD 180-408319/3		3510C, EPA 8270E		200 mL	10.0 mL	6 SU	2 SU	11 SU	0.5 mL
LB 180-408025/1-A		3510C, EPA 8270E		200 mL	10.0 mL	5 SU	2 SU	11 SU	
180-142292-C-1-D	TI-NA-FL-D-22072 70900	3510C, EPA 8270E	P	200 mL	10.0 mL	5 SU	2 SU	11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPQL8270SURi 00130	AnalysisComment				
MB 180-408319/1		3510C, EPA 8270E		1 mL	Funnel 1				
LCS 180-408319/2		3510C, EPA 8270E		1 mL	Funnel 2				
LCSD 180-408319/3		3510C, EPA 8270E		1 mL	Funnel 3				
LB 180-408025/1-A		3510C, EPA 8270E		1 mL	Funnel 4				
180-142292-C-1-D	TI-NA-FL-D-22072 70900	3510C, EPA 8270E	P	1 mL	Funnel 12				

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 Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408319 Batch Start Date: 08/11/22 07:00 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 08/11/22 15:00

Batch Notes	
pH Indicator ID	Ph paper HC168773
Analyst ID - Extraction	CBY
Analyst ID - Spike Analyst	CBY
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	1:1 Sulfuric acid 4918889
Base Used to Adjust pH ID	10N sodium hydroxide 4949218
Prep Solvent ID	Methylene chloride 4960342
Prep Solvent Volume Used	180 mL
Glass Wool ID	3403199
Na2SO4 ID	4880106
Analyst ID - Concentration	CBY
Equipment ID - Concentration 1	water bath 1
Thermometer ID - Concentration 1	water bath 1
Concentration 1 Uncorrected Temperature	65 CF 0.0 Degrees C
Concentration 1 Corrected Temperature	65 Degrees C
Equipment ID - Concentration 2	1
Thermometer ID - Concentration 2	1
Concentration 2 Uncorrected Temperature	21 CF 2.0 Degrees C
Concentration 2 Corrected Temperature	23 Degrees C

Basis	Basis Description
P	TCLP

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 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
TI-NA-FL-D-22072700900	180-142292-1	85	82 ^c	103	103
	MB 180-408312/1-A	74	71	91	93
	LB 180-408025/1-C	81	78	98	102
	LCS 180-408312/2-A	97	87	113	115
	LCSD 180-408312/3-A	92	83	107	114

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	56-137
DCB = DCB Decachlorobiphenyl (Surr)	48-137

Column to be used to flag recovery values

FORM II EPA 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 08122222.D

Lab ID: LCS 180-408312/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Endrin	0.0100	0.0107	107	72-115	
gamma-BHC (Lindane)	0.0100	0.00943	94	67-120	
Heptachlor	0.0100	0.0102	102	71-125	
Heptachlor epoxide	0.0100	0.00940	94	67-123	
Methoxychlor	0.0100	0.0112	112	59-109	*+

Column to be used to flag recovery and RPD values

FORM III EPA 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 08122223.D

Lab ID: LCSD 180-408312/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Endrin	0.0100	0.0104	104	3	15	72-115	
gamma-BHC (Lindane)	0.0100	0.00917	92	3	18	67-120	
Heptachlor	0.0100	0.00981	98	4	16	71-125	
Heptachlor epoxide	0.0100	0.00913	91	3	15	67-123	
Methoxychlor	0.0100	0.0110	110	2	15	59-109	*+

Column to be used to flag recovery and RPD values

FORM III EPA 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: MB 180-408312/1-A

Matrix: Water Date Extracted: 08/11/2022 05:50

Lab File ID:(1) 08122221.D Lab File ID:(2) 08122221.D

Date Analyzed:(1) 08/12/2022 15:15 Date Analyzed:(2) 08/12/2022 15:15

Instrument ID:(1) CHGC17 Instrument ID:(2) CHGC17

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 180-408312/2-A	08/12/2022 15:31	08/12/2022 15:31
	LCSD 180-408312/3-A	08/12/2022 15:47	08/12/2022 15:47
	LB 180-408025/1-C	08/12/2022 16:03	08/12/2022 16:03
TI-NA-FL-D-2207270900	180-142292-1	08/12/2022 17:38	08/12/2022 17:38

FORM VIII
PESTICIDES INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICIS 180-397721/26 Date Analyzed: 05/05/2022 16:15

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): 05052226.D Heated Purge: (Y/N) N

Calibration ID: 48410

		BNB		DBC			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		142733057	3.95	103156381	8.41		
UPPER LIMIT		214099586	3.96	154734572	8.42		
LOWER LIMIT		71366529	3.94	51578191	8.40		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-397721/30		138878400	3.95	139520623	8.41		
ICV 180-397721/31		164628129	3.95	128174510	8.41		
ICV 180-397721/32		158120267	3.95	120808596	8.41		
ICV 180-397721/33		149030460	3.95	113263233	8.41		
ICV 180-397721/34		132631908	3.95	97875965	8.41		
ICV 180-397721/35		163932047	3.95	124404383	8.41		

BNB = 1-Bromo-2-nitrobenzene
DBC = Dibutylchlorendate ISTD

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.01 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICIS 180-397721/26 Date Analyzed: 05/05/2022 16:15

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): 05052226.D Heated Purge: (Y/N) N

Calibration ID: 48411

		BNB		DBC			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		149027020	4.02	112692562	8.22		
UPPER LIMIT		223540530	4.03	169038843	8.23		
LOWER LIMIT		74513510	4.01	56346281	8.21		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-397721/30		147779439	4.02	132759144	8.22		
ICV 180-397721/31		177484427	4.02	139519577	8.22		
ICV 180-397721/32		171341965	4.02	134655318	8.22		
ICV 180-397721/33		163192489	4.02	129021105	8.23		
ICV 180-397721/34		145349706	4.02	110868205	8.22		
ICV 180-397721/35		178009571	4.02	142778769	8.22		

BNB = 1-Bromo-2-nitrobenzene
DBC = Dibutylchlorendate ISTD

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.01 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408450/6 Date Analyzed: 08/12/2022 12:37

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): 08122211.D Heated Purge: (Y/N) N

Calibration ID: 48410

		BNB		DBC			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
12/24 HOUR STD		172886646	4.03	121335064	8.45		
UPPER LIMIT		259329969	4.04	182002596	8.46		
LOWER LIMIT		86443323	4.02	60667532	8.44		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-408312/1-A		210991254	4.02	136128757	8.45		
LCS 180-408312/2-A		173810502	4.02	111974666	8.45		
LCSD 180-408312/3-A		179548672	4.02	113336472	8.45		
LB 180-408025/1-C		192458144	4.03	125969432	8.45		
180-142292-1	TI-NA-FL-D-2207270900	188294901	4.02	126035526	8.45		

BNB = 1-Bromo-2-nitrobenzene
DBC = Dibutylchlorendate ISTD

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.01 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408450/6 Date Analyzed: 08/12/2022 12:37

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): 08122211.D Heated Purge: (Y/N) N

Calibration ID: 48411

		BNB		DBC			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
12/24 HOUR STD		160141033	4.05	113799498	8.21		
UPPER LIMIT		240211550	4.06	170699247	8.22		
LOWER LIMIT		80070517	4.04	56899749	8.20		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-408312/1-A		191631005	4.05	131014964	8.21		
LCS 180-408312/2-A		158937299	4.05	109500455	8.21		
LCSD 180-408312/3-A		163086140	4.05	109373149	8.21		
LB 180-408025/1-C		175266230	4.05	123101405	8.21		
180-142292-1	TI-NA-FL-D-2207270900	170750138	4.05	123728937	8.21		

BNB = 1-Bromo-2-nitrobenzene
DBC = Dibutylchlorendate ISTD

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.01 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-408312/2-A

Instrument ID (1): CHGC17 Instrument ID (2): CHGC17

Date Analyzed (1): 08/12/2022 15:31 Date Analyzed (2): 08/12/2022 15:31

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		5.63	5.63	5.65	0.00935		0.8
	2		5.64	5.63	5.65	0.00943		
Heptachlor	1		6.10	6.09	6.11	0.0102		1.7
	2		5.96	5.95	5.97	0.0100		
Heptachlor epoxide	1		6.74	6.74	6.76	0.00940		0.4
	2		6.66	6.66	6.68	0.00936		
Endrin	1		7.51	7.51	7.53	0.0107		2.4
	2		7.51	7.51	7.53	0.0105		
Methoxychlor	1		8.37	8.37	8.39	0.0112		1.2
	2		8.38	8.38	8.40	0.0110		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-408312/3-A

Instrument ID (1): CHGC17 Instrument ID (2): CHGC17

Date Analyzed (1): 08/12/2022 15:47 Date Analyzed (2): 08/12/2022 15:47

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		5.63	5.63	5.65	0.00906		1.2
	2		5.64	5.63	5.65	0.00917		
Heptachlor	1		6.10	6.09	6.11	0.00981		2.2
	2		5.96	5.95	5.97	0.00959		
Heptachlor epoxide	1		6.74	6.74	6.76	0.00913		2.0
	2		6.66	6.66	6.68	0.00895		
Endrin	1		7.51	7.51	7.53	0.0104		0.7
	2		7.51	7.51	7.53	0.0104		
Methoxychlor	1		8.37	8.37	8.39	0.0110		1.6
	2		8.38	8.38	8.40	0.0108		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 | Lab Sample ID: 180-142292-1

Matrix: Solid (TCLP) | Lab File ID: 08122230.D

Analysis Method: EPA 8081B | Date Collected: 07/27/2022 09:00

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 17:38

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	ND	^c	0.0050	0.0029
72-20-8	Endrin	ND		0.00050	0.000091
58-89-9	gamma-BHC (Lindane)	ND		0.00050	0.00012
76-44-8	Heptachlor	ND		0.00050	0.00018
1024-57-3	Heptachlor epoxide	ND		0.00050	0.00014
72-43-5	Methoxychlor	ND	*+	0.00050	0.00031
8001-35-2	Toxaphene	ND		0.040	0.020

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	103		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	85		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D
Lims ID: 180-142292-C-1-F
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 17:38:35 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-025
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 09:49:18 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 10:38:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene						
1	4.023	4.025	-0.002	188294901	H 0.1000	
2	4.046	4.048	-0.002	170750138	H 0.1000	
$ 3 Tetrachloro-m-xylene						
1	5.002	5.004	-0.002	49895989	H 0.0170	
2	4.891	4.894	-0.003	42313186	H 0.0163	
					RPD = 3.79	
7 gamma-BHC (Lindane)						
1		5.637			ND	
2		5.641				
9 Chlordane (technical)						
1		5.921			ND	
1		6.094				
1		6.954				
1		7.023				
2		5.952				
2		6.301				
2		6.897				
2		6.941				
11 Heptachlor						
1		6.104			ND	
2		5.960				
16 Heptachlor epoxide						
1		6.745			ND	
2		6.665				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
24 Toxaphene						
1		7.224			ND	
1		7.750				
1		7.946				
1		8.025				
2		7.204				
2		7.738				
2		7.925				
2		8.437				
27 Endrin						
1		7.517			ND	
2		7.517				
35 Methoxychlor						
1		8.378			ND	
2		8.385				
* 36 Dibutylchlorendate ISTD						
1	8.446	8.450	-0.003	126035526	H	0.1000
2	8.207	8.212	-0.005	123728937	H	0.1000
$ 39 DCB Decachlorobiphenyl (Surr)						
1	10.414	10.416	-0.002	16027472	H	0.0205
2	10.369	10.375	-0.006	14053565	H	0.0207
					RPD =	0.69

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

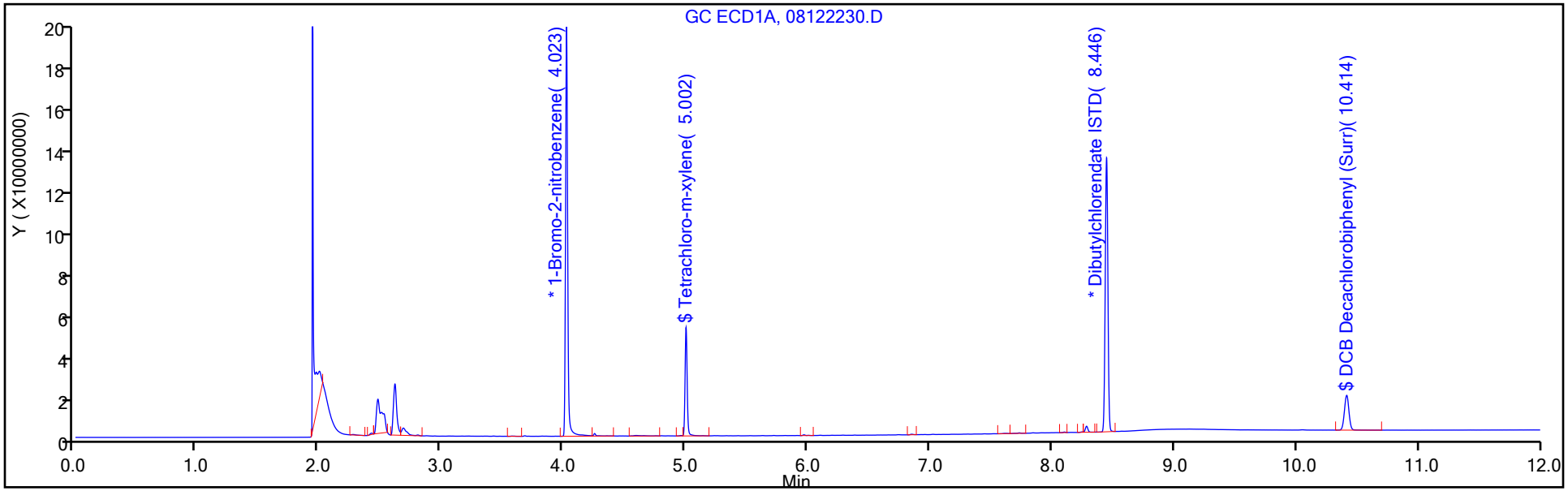
GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

Report Date: 13-Aug-2022 10:38:17 Chrom Revision: 2.3 08-Aug-2022 16:03:06

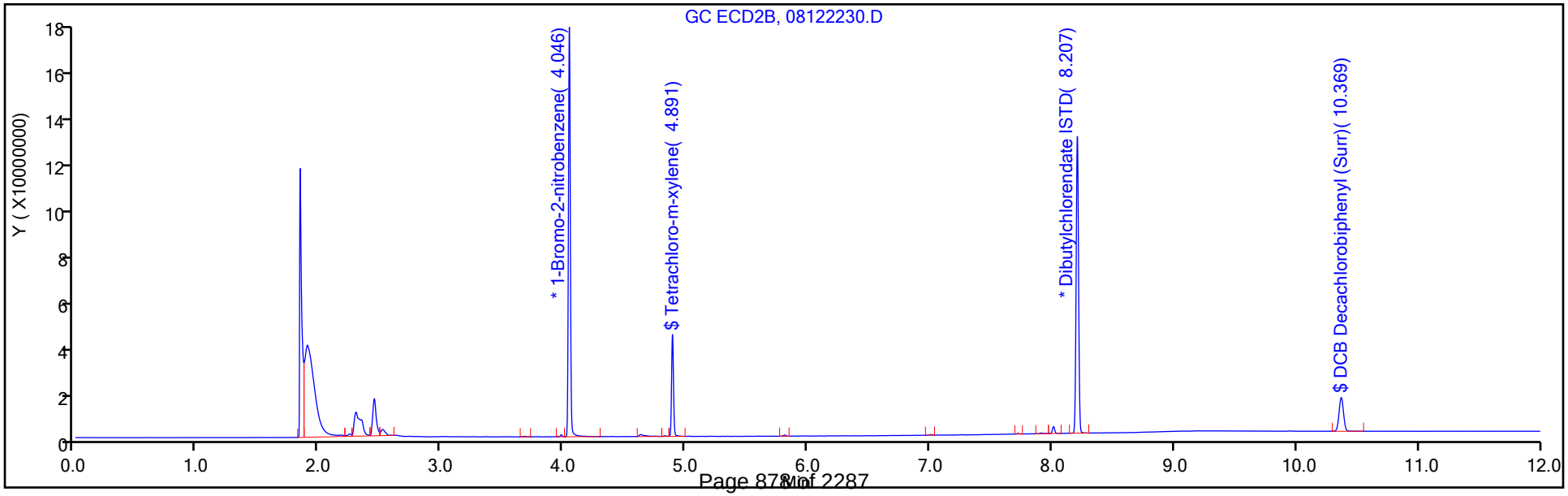
Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D				
Injection Date:	12-Aug-2022 17:38:35	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	180-142292-C-1-F	Lab Sample ID:	180-142292-1	Worklist Smp#:	25
Client ID:	TI-NA-FL-D-2207270900				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D
Lims ID: 180-142292-C-1-F
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 17:38:35 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-025
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 09:49:18 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 10:38:17

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0170	84.78
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0205	102.55

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0163	81.63
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0207	103.26

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-1

Matrix: Solid (TCLP) Lab File ID: 08122230.D

Analysis Method: EPA 8081B Date Collected: 07/27/2022 09:00

Extraction Method: 3510C Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) Date Analyzed: 08/12/2022 17:38

Con. Extract Vol.: 40.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	103		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	82	^c	56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D
Lims ID: 180-142292-C-1-F
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 17:38:35 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-025
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 09:49:18 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 10:38:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene						
1	4.023	4.025	-0.002	188294901	H 0.1000	
2	4.046	4.048	-0.002	170750138	H 0.1000	
$ 3 Tetrachloro-m-xylene						
1	5.002	5.004	-0.002	49895989	H 0.0170	
2	4.891	4.894	-0.003	42313186	H 0.0163	
					RPD = 3.79	
7 gamma-BHC (Lindane)						
1		5.637			ND	
2		5.641				
9 Chlordane (technical)						
1		5.921			ND	
1		6.094				
1		6.954				
1		7.023				
2		5.952				
2		6.301				
2		6.897				
2		6.941				
11 Heptachlor						
1		6.104			ND	
2		5.960				
16 Heptachlor epoxide						
1		6.745			ND	
2		6.665				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
24 Toxaphene						
1		7.224			ND	
1		7.750				
1		7.946				
1		8.025				
2		7.204				
2		7.738				
2		7.925				
2		8.437				
27 Endrin						
1		7.517			ND	
2		7.517				
35 Methoxychlor						
1		8.378			ND	
2		8.385				
* 36 Dibutylchlorendate ISTD						
1	8.446	8.450	-0.003	126035526	H	0.1000
2	8.207	8.212	-0.005	123728937	H	0.1000
$ 39 DCB Decachlorobiphenyl (Surr)						
1	10.414	10.416	-0.002	16027472	H	0.0205
2	10.369	10.375	-0.006	14053565	H	0.0207
					RPD =	0.69

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

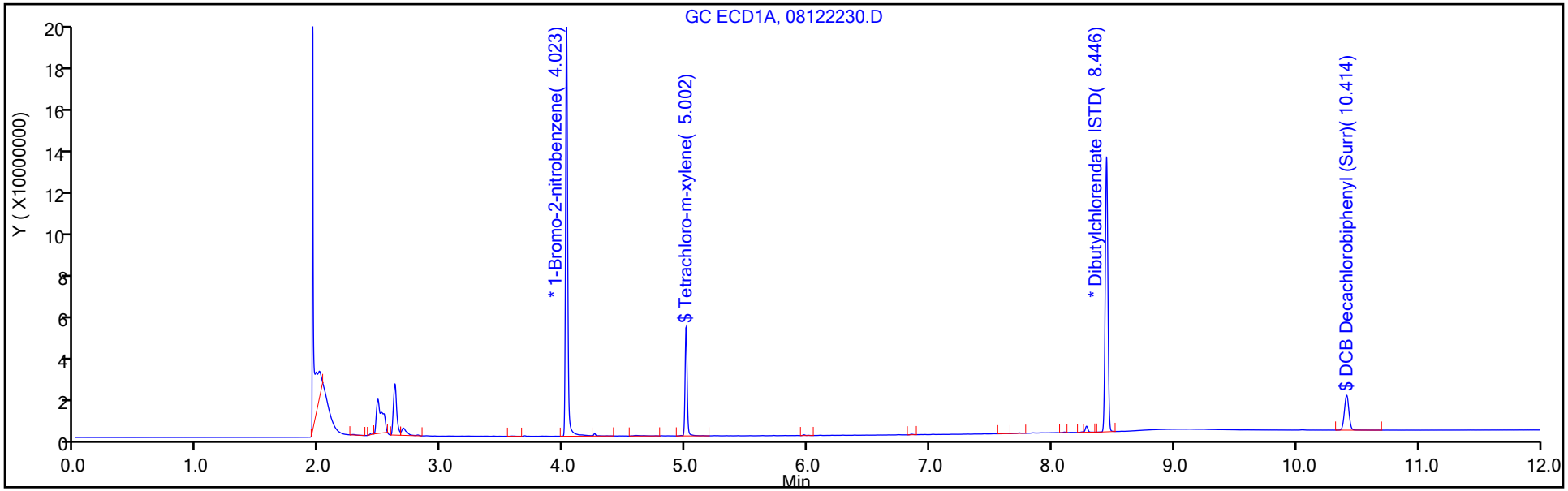
GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

Report Date: 13-Aug-2022 10:38:17 Chrom Revision: 2.3 08-Aug-2022 16:03:06

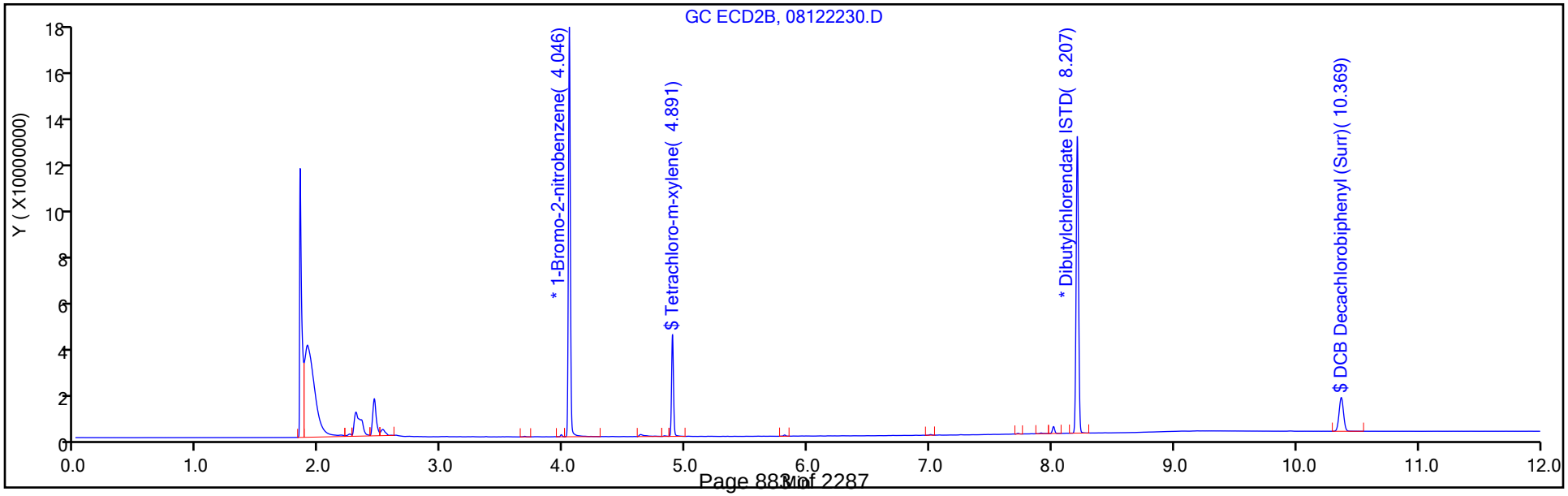
Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D				
Injection Date:	12-Aug-2022 17:38:35	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	180-142292-C-1-F	Lab Sample ID:	180-142292-1	Worklist Smp#:	25
Client ID:	TI-NA-FL-D-2207270900				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122230.D
Lims ID: 180-142292-C-1-F
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 12-Aug-2022 17:38:35 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-025
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 09:49:18 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 10:38:17

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0170	84.78
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0205	102.55

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0163	81.63
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0207	103.26

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48386

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0105	0.0099	0.0145	0.0144	0.0134	Ave		0.0126				17.3		20.0			
Toxaphene Peak 2	0.0211	0.0188	0.0257	0.0258	0.0247	Ave		0.0232				13.5		20.0			
Toxaphene Peak 3	0.0196	0.0185	0.0259	0.0252	0.0239	Ave		0.0226				14.9		20.0			
Toxaphene Peak 4	0.0145	0.0138	0.0199	0.0198	0.0189	Ave		0.0174				17.3		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48386

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	312287	3083995	21972774	52079800	104193866	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 2	BNB	Ave	625973	5844822	39043560	93486109	191476744	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 3	BNB	Ave	579838	5758409	39331191	91465984	185524171	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 4	BNB	Ave	428613	4279001	30155832	71899471	146133316	0.0200	0.200	1.00	2.50	5.00

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48386

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
Toxaphene Peak 1	-16.1	-20.9	15.4	14.5	7.1		50	30	30	30	30	
Toxaphene Peak 2	-9.1	-19.0	10.8	11.0	6.3		50	30	30	30	30	
Toxaphene Peak 3	-13.6	-18.1	14.5	11.5	5.7		50	30	30	30	30	
Toxaphene Peak 4	-16.7	-20.7	14.5	14.3	8.6		50	30	30	30	30	

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 09:53:56 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-002
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:05 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:39:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.952	3.951	0.001	148235143H	0.1000	0.1000	
2	4.019	4.017	0.002	158921733H	0.1000	0.1000	
24 Toxaphene							M
1	7.182	7.184	-0.002	312287H	0.0200	0.0168	M
1	7.706	7.711	-0.005	625973H	0.0200	0.0182	M
1	7.904	7.909	-0.005	579838H	0.0200	0.0173	M
1	7.982	7.987	-0.005	428613H	0.0200	0.0167	M
		Average of Peak Amounts =				0.0172	
2	7.202	7.206	-0.004	398495H	0.0200	0.0169	M
2	7.739	7.744	-0.005	630744H	0.0200	0.0209	M
2	7.925	7.931	-0.006	791557H	0.0200	0.0223	M
2	8.447	8.448	-0.001	430827H	0.0200	0.0195	M
		Average of Peak Amounts =				0.0199	
						RPD = 14.53	
* 36 Dibutylchlorendate ISTD							M
1	8.413	8.410	0.003	108074806H	0.1000	0.1000	M
2	8.225	8.223	0.002	115862059H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXLEVEL1_00018	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

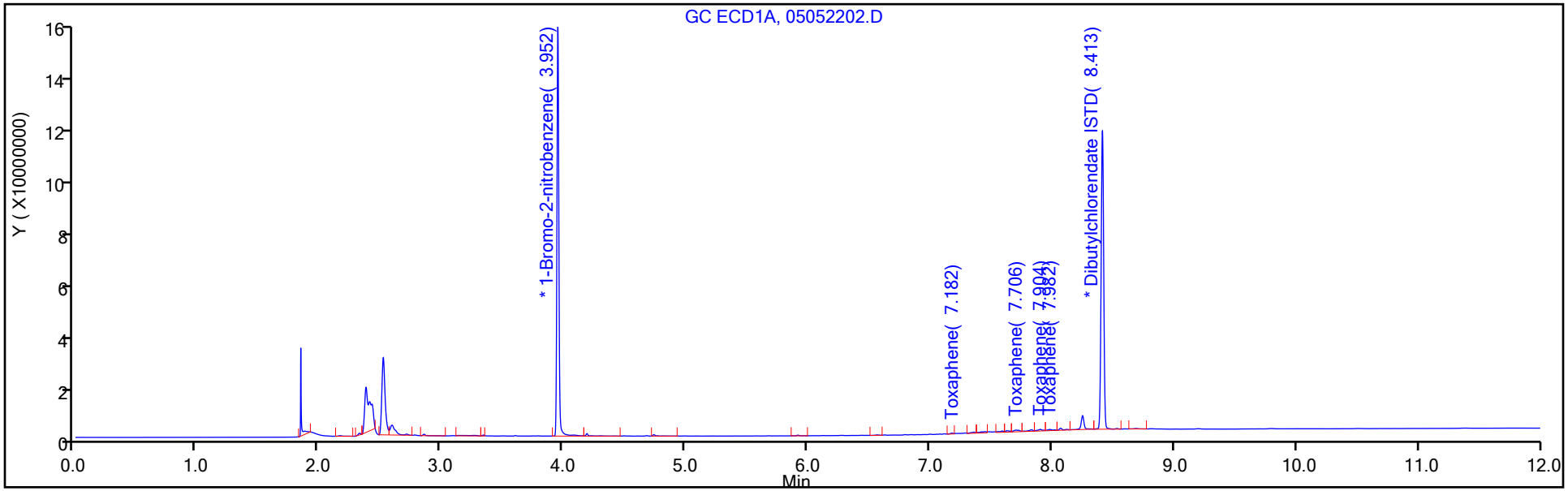
Report Date: 06-May-2022 06:32:05 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

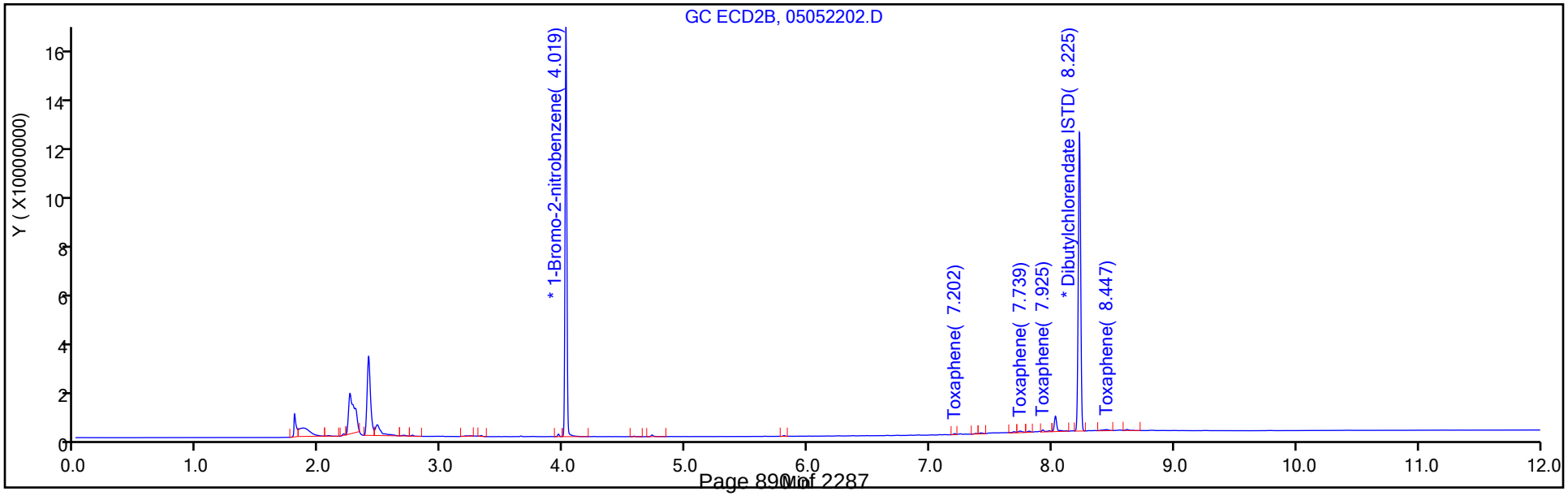
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D

Injection Date:	05-May-2022 09:53:56	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:05 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D

Injection Date: 05-May-2022 09:53:56 Instrument ID: CHGC17

Lims ID: IC

Client ID:

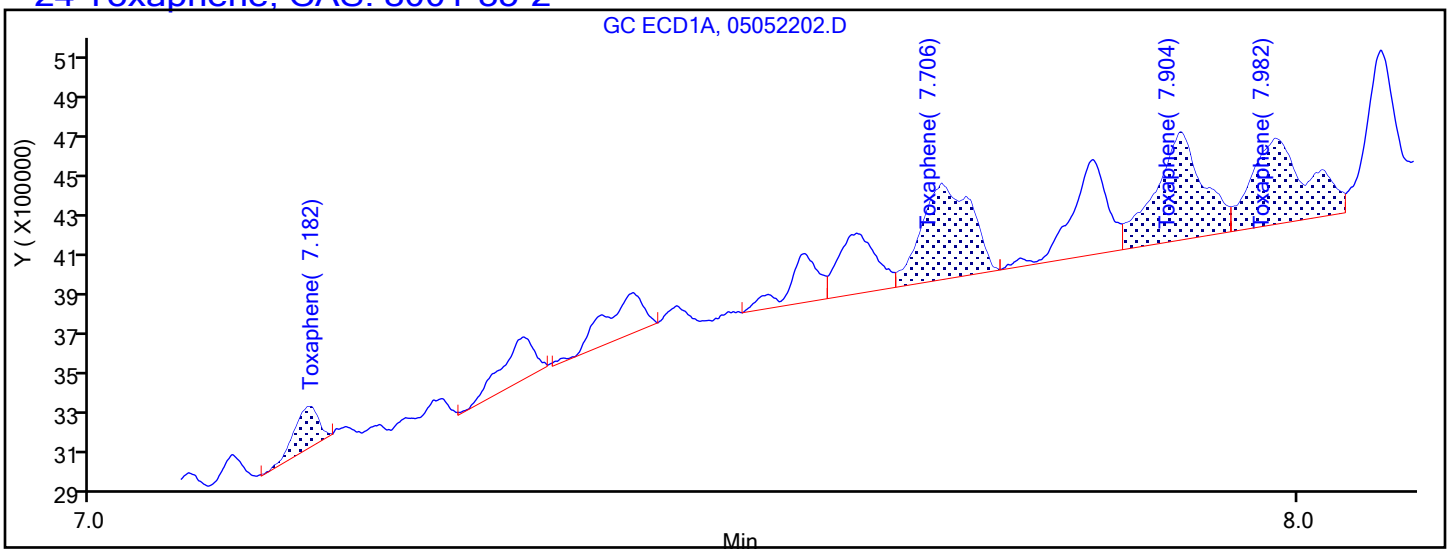
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

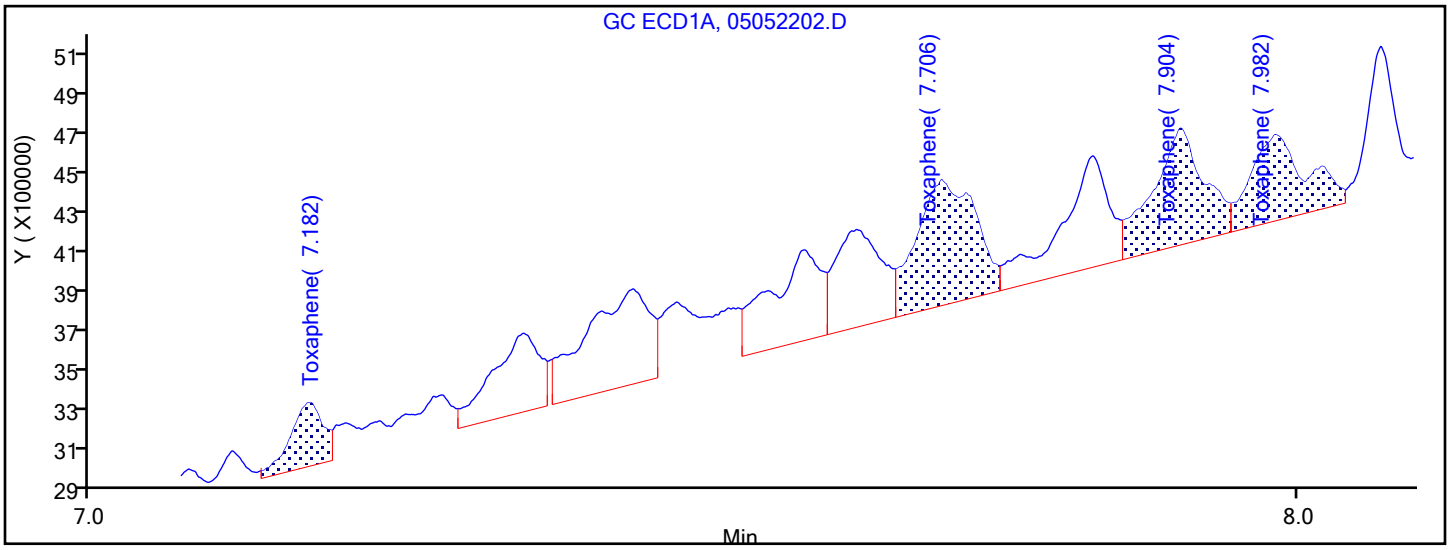
Column: MR-1 (0.53 mm) Detector GC ECD1A

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

7.182	Response = 198537
7.706	Response = 478395
7.904	Response = 536969
7.982	Response = 427100



Manual Integration Results

7.182	Response = 312287	M
7.706	Response = 625973	M
7.904	Response = 579838	M
7.982	Response = 428613	M

Reviewer: eppinged, 05-May-2022 10:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

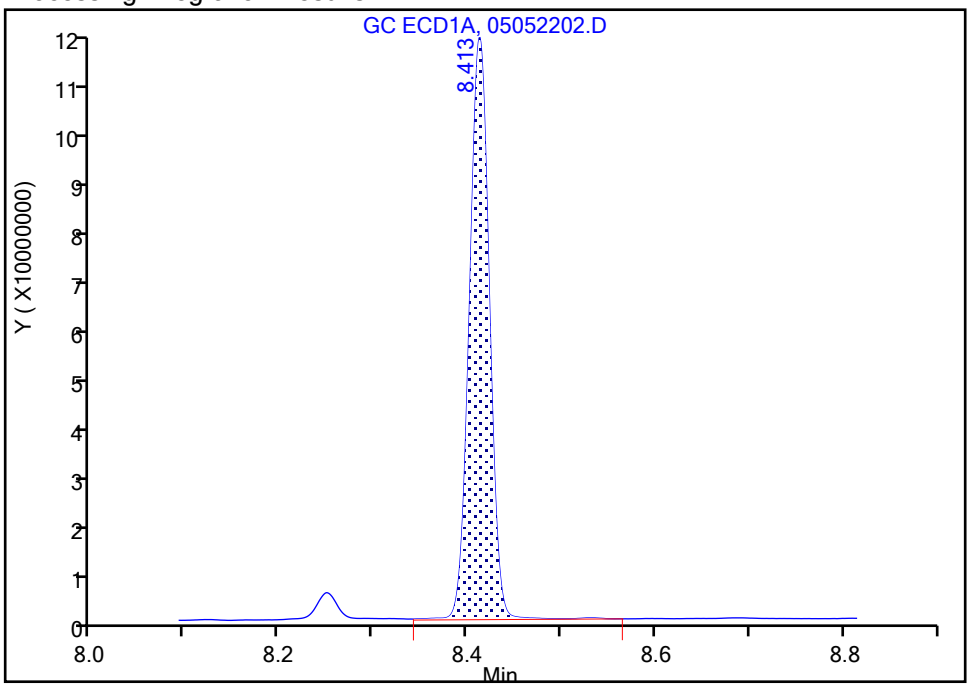
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D
Injection Date: 05-May-2022 09:53:56 Instrument ID: CHGC17
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

* 36 Dibutylchlorendate ISTD, CAS: 1770-80-5

Signal: 1

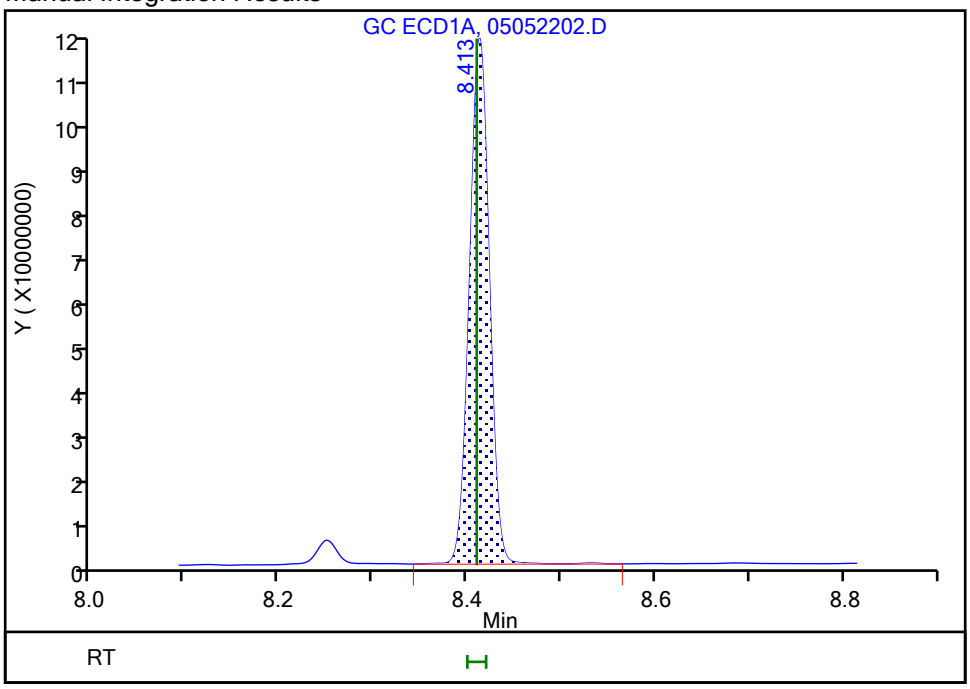
Processing Integration Results

RT: 8.41
Height: 108164790
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 8.41
Height: 108074806
Amount: 0.100000
Amount Units: ng



Reviewer: eppinged, 05-May-2022 10:39:04
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 10:09:48 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-003
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:38:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.002	155320487H	0.1000	0.1000	
2	4.020	4.017	0.003	165030926H	0.1000	0.1000	
24 Toxaphene							a
1	7.179	7.184	-0.005	3083995H	0.2000	0.1582	a
1	7.708	7.711	-0.003	5844822H	0.2000	0.1619	a
1	7.904	7.909	-0.005	5758409H	0.2000	0.1637	a
1	7.984	7.987	-0.003	4279001H	0.2000	0.1586	a
		Average of Peak Amounts =				0.1606	
2	7.204	7.206	-0.002	4068673H	0.2000	0.1664	a
2	7.740	7.744	-0.004	5361269H	0.2000	0.1711	a
2	7.927	7.931	-0.004	3453654H	0.2000	0.1614	a
2	8.444	8.448	-0.004	3664476H	0.2000	0.1599	a
		Average of Peak Amounts =				0.1647	
						RPD = 2.49	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	112876187H	0.1000	0.1000	
2	8.226	8.223	0.003	120442533H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
a - User Assigned ID

Reagents:

GCTOXLEVEL2_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

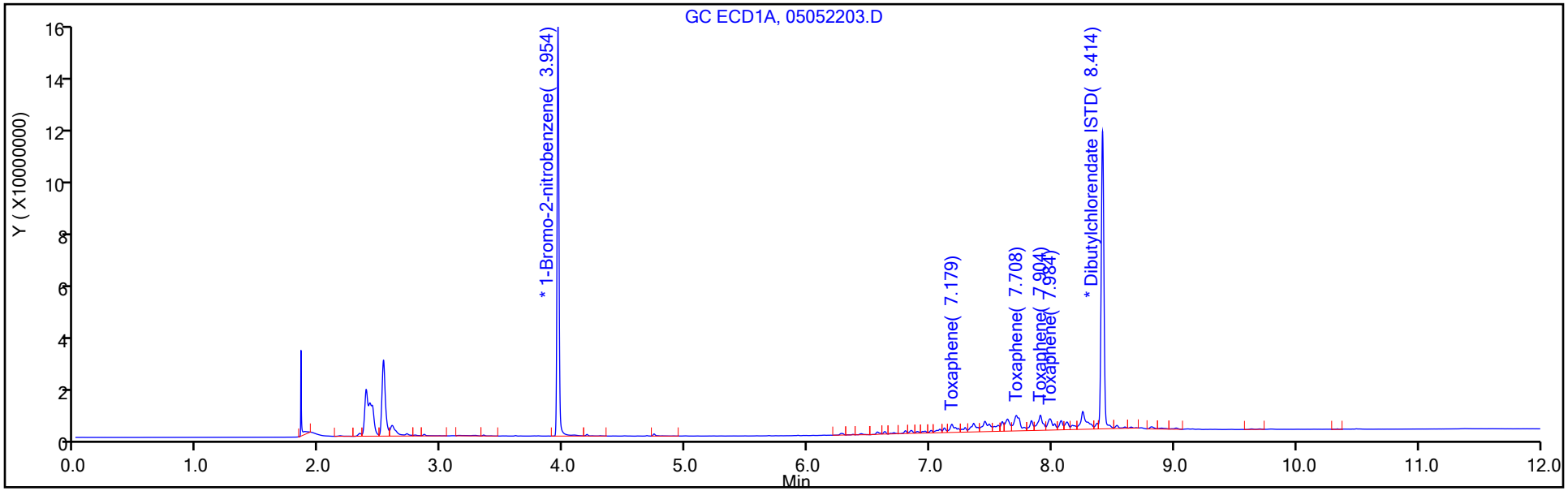
Report Date: 06-May-2022 06:32:07 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

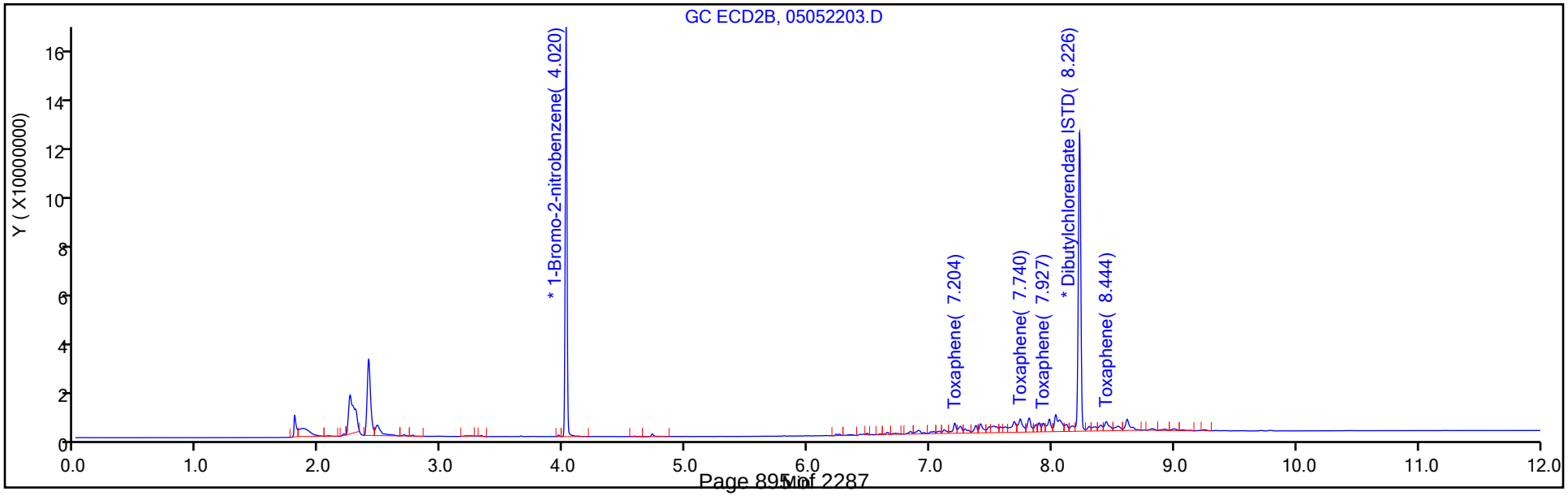
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D

Injection Date:	05-May-2022 10:09:48	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:07 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D

Injection Date: 05-May-2022 10:09:48 Instrument ID: CHGC17

Lims ID: IC

Client ID:

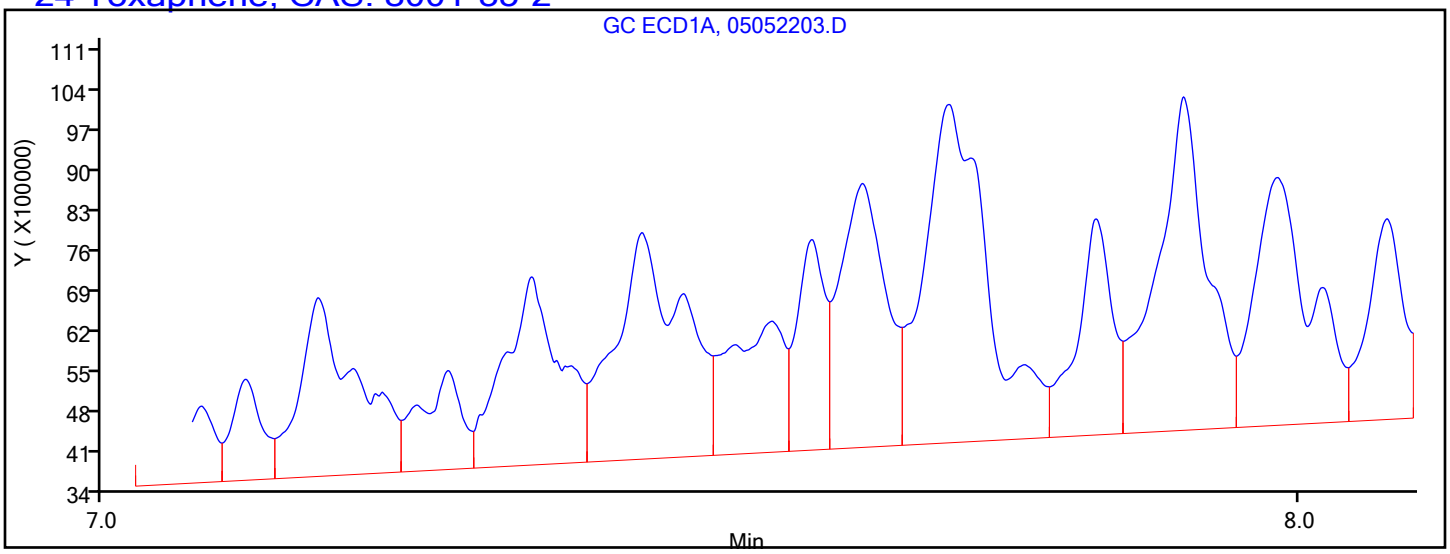
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

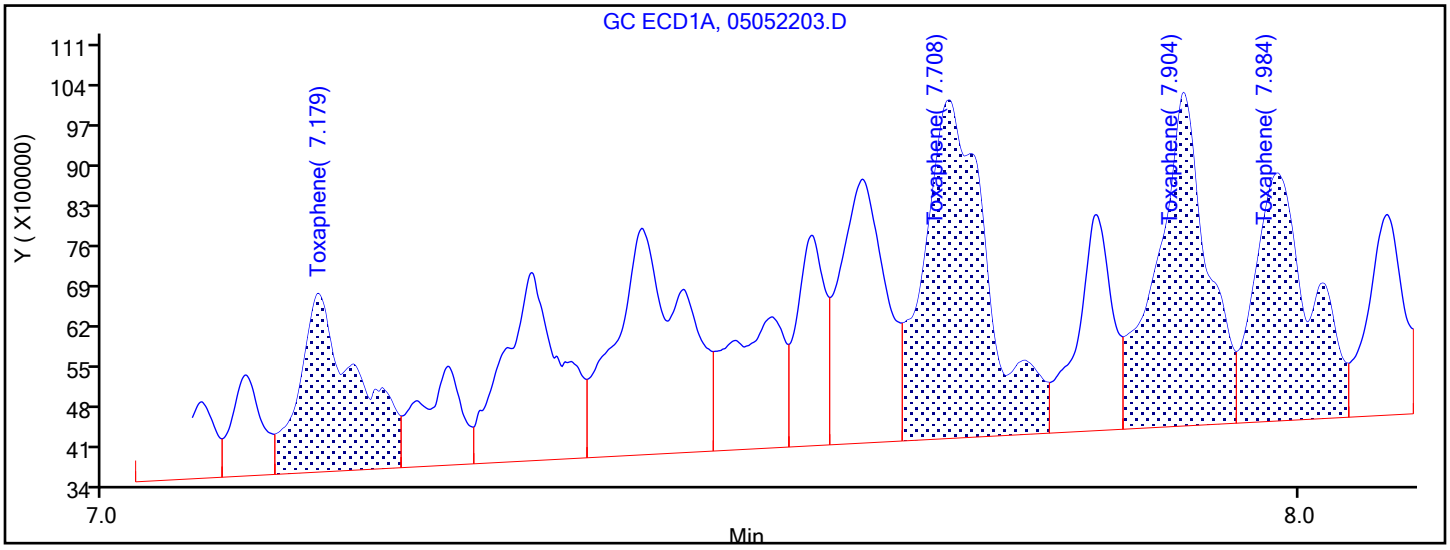
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-1 (0.53 mm) Detector GC ECD1A

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results



Manual Integration Results

7.179	Response = 3083995	M
7.708	Response = 5844822	M
7.904	Response = 5758409	M
7.984	Response = 4279001	M

Reviewer: eppinged, 05-May-2022 10:37:04

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052204.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-May-2022 10:25:38 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-004
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:58:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.956	3.956	0.000	151627179H	0.1000	0.1000	
2	4.023	4.023	0.000	158958875H	0.1000	0.1000	
24 Toxaphene							
1	7.184	7.184	0.000	21972774H	1.00	1.15	
1	7.711	7.711	0.000	39043560H	1.00	1.11	
1	7.909	7.909	0.000	39331191H	1.00	1.15	
1	7.987	7.987	0.000	30155832H	1.00	1.15	
		Average of Peak Amounts =				1.14	
2	7.206	7.206	0.000	27743259H	1.00	1.18	
2	7.744	7.744	0.000	33208941H	1.00	1.10	
2	7.931	7.931	0.000	20064439H	1.00	1.08	
2	8.448	8.448	0.000	25015393H	1.00	1.13	
		Average of Peak Amounts =				1.12	
						RPD = 1.39	
* 36 Dibutylchlorendate ISTD							
1	8.417	8.417	0.000	143281998H	0.1000	0.1000	
2	8.229	8.229	0.000	134916652H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL3_00032	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

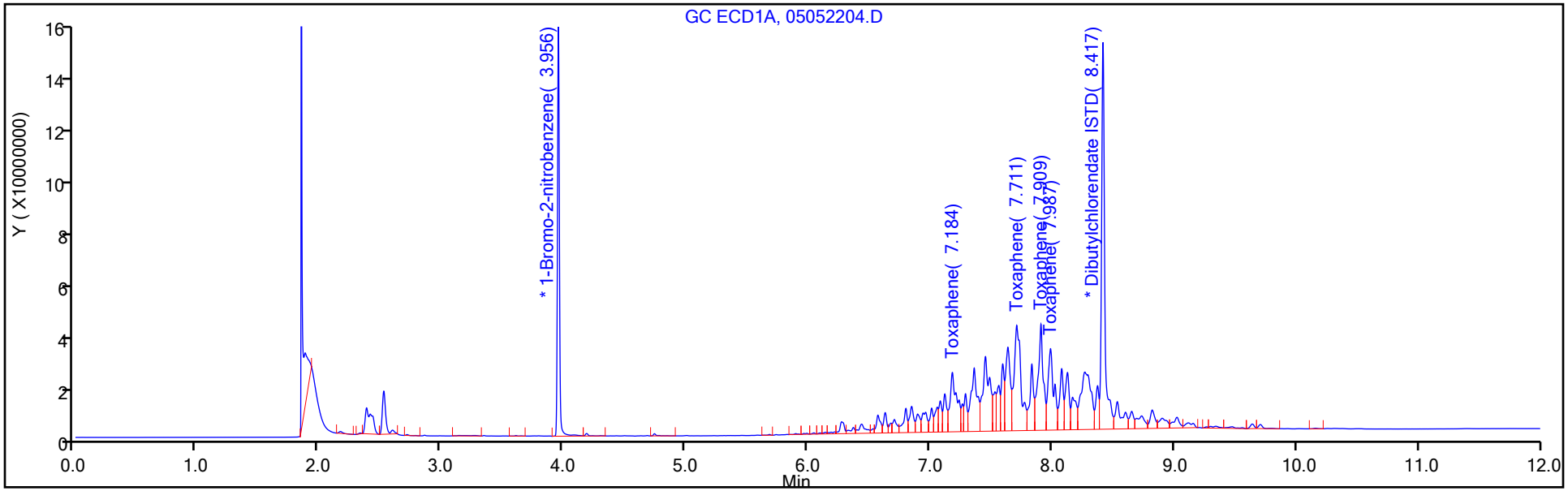
Report Date: 06-May-2022 06:32:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

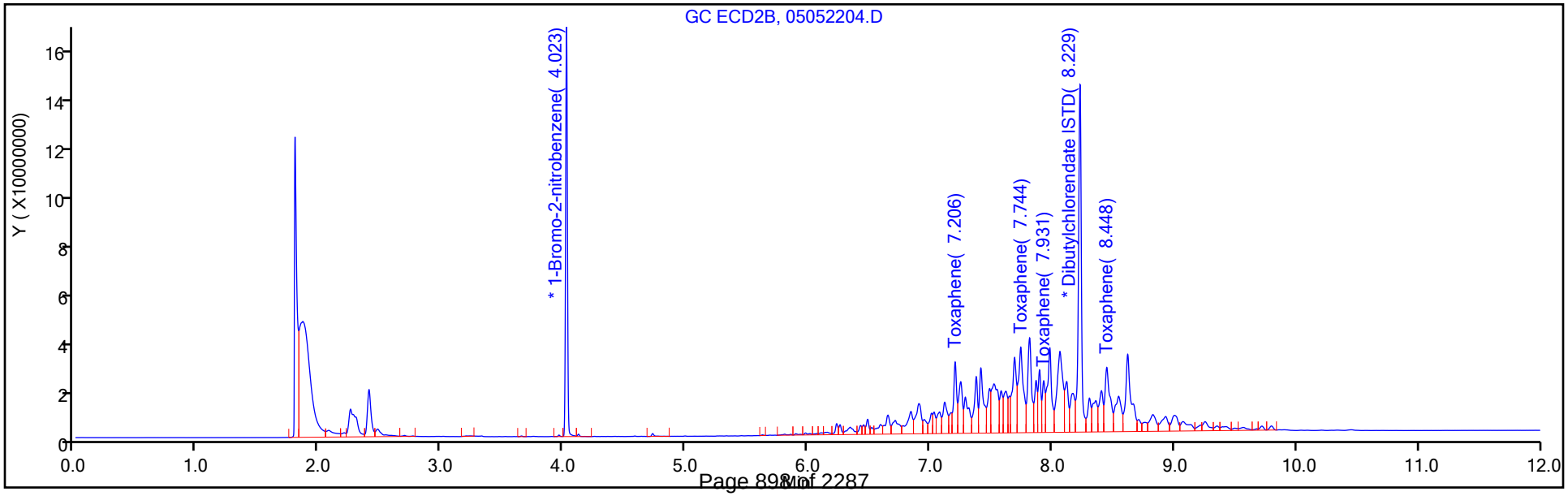
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052204.D

Injection Date:	05-May-2022 10:25:38	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052205.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 10:41:37 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-005
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:11 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:21:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.957	3.951	0.006	144904018H	0.1000	0.1000	
2	4.024	4.017	0.007	156222334H	0.1000	0.1000	
24 Toxaphene							
1	7.185	7.184	0.001	52079800H	2.50	2.86	
1	7.713	7.711	0.002	93486109H	2.50	2.78	
1	7.911	7.909	0.002	91465984H	2.50	2.79	
1	7.992	7.987	0.005	71899471H	2.50	2.86	
		Average of Peak Amounts =				2.82	
2	7.209	7.206	0.003	65189665H	2.50	2.82	
2	7.746	7.744	0.002	76527672H	2.50	2.58	
2	7.934	7.931	0.003	45724891H	2.50	2.53	
2	8.450	8.448	0.002	57652832H	2.50	2.66	
		Average of Peak Amounts =				2.65	
						RPD = 6.40	
* 36 Dibutylchlorendate ISTD							
1	8.418	8.410	0.009	178476270H	0.1000	0.1000	
2	8.231	8.223	0.008	147150409H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL4_00016 Amount Added: 1.00 Units: mL
GCPESTISSPK2_00027 Amount Added: 0.02 Units: mL Run Reagent

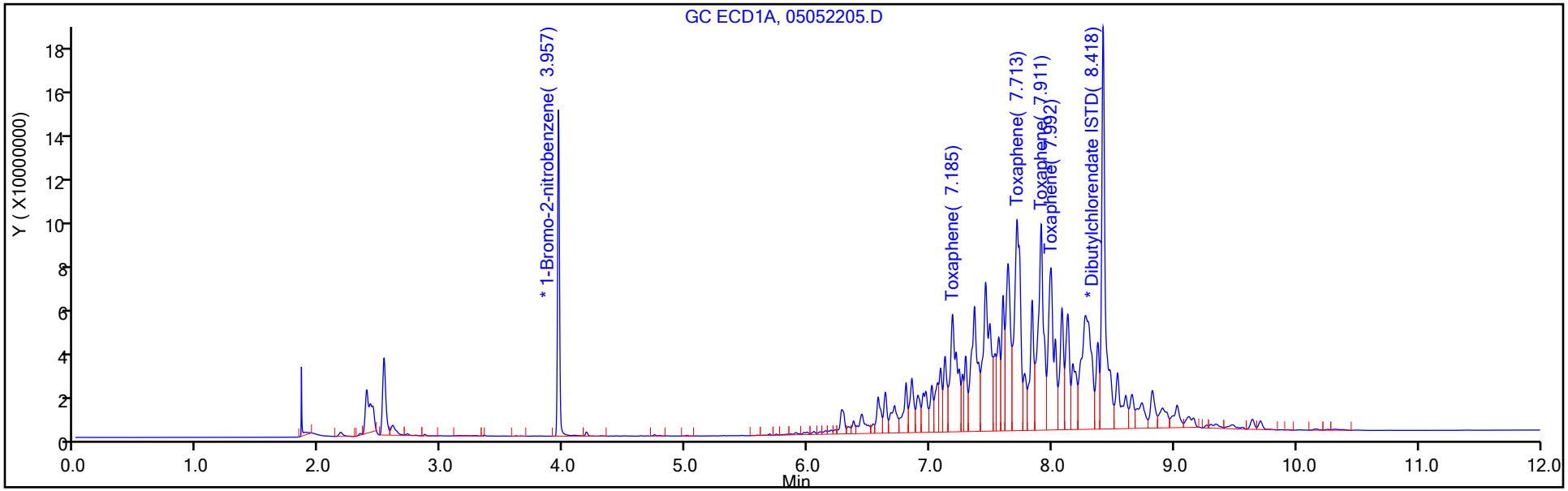
Report Date: 06-May-2022 06:32:11 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

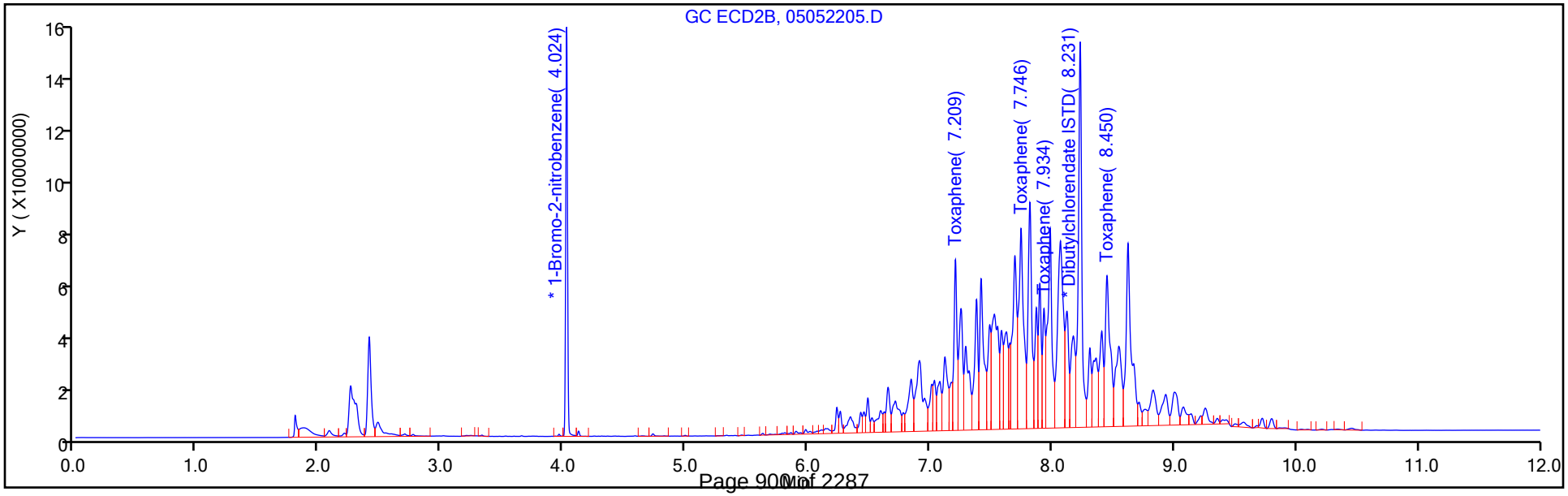
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052205.D

Injection Date:	05-May-2022 10:41:37	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052206.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 10:57:28 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-006
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:13 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:14:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.957	3.951	0.006	154986030H	0.1000	0.1000	
2	4.024	4.017	0.007	165057099H	0.1000	0.1000	
24 Toxaphene							
1	7.184	7.184	0.000	104193866H	5.00	5.35	
1	7.711	7.711	0.000	191476744H	5.00	5.32	
1	7.911	7.909	0.002	185524171H	5.00	5.29	
1	7.990	7.987	0.003	146133316H	5.00	5.43	
		Average of Peak Amounts =				5.35	
2	7.208	7.206	0.002	124521207H	5.00	5.09	
2	7.746	7.744	0.002	151734976H	5.00	4.84	
2	7.932	7.931	0.001	93663933H	5.00	4.93	
2	8.448	8.448	0.000	117801774H	5.00	5.14	
		Average of Peak Amounts =				5.00	
						RPD = 6.72	
* 36 Dibutylchlorendate ISTD							
1	8.417	8.410	0.008	263339780H	0.1000	0.1000	
2	8.228	8.223	0.005	199101319H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL5_00020 Amount Added: 1.00 Units: mL
GCPESTISSPK2_00027 Amount Added: 0.02 Units: mL Run Reagent

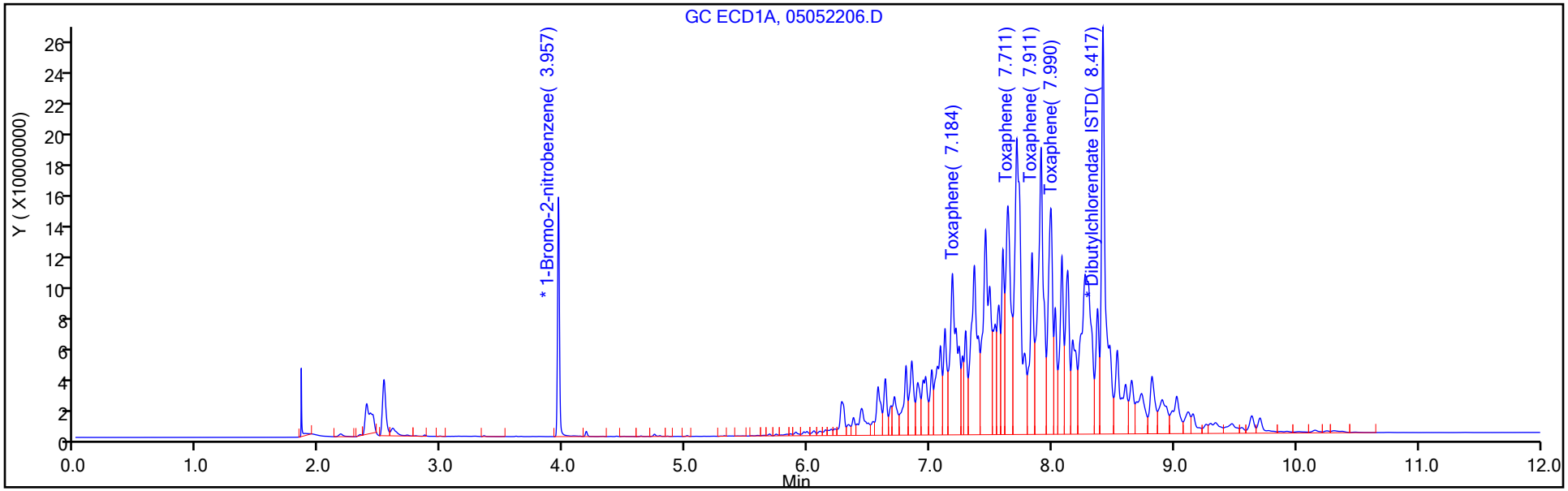
Report Date: 06-May-2022 06:32:13 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

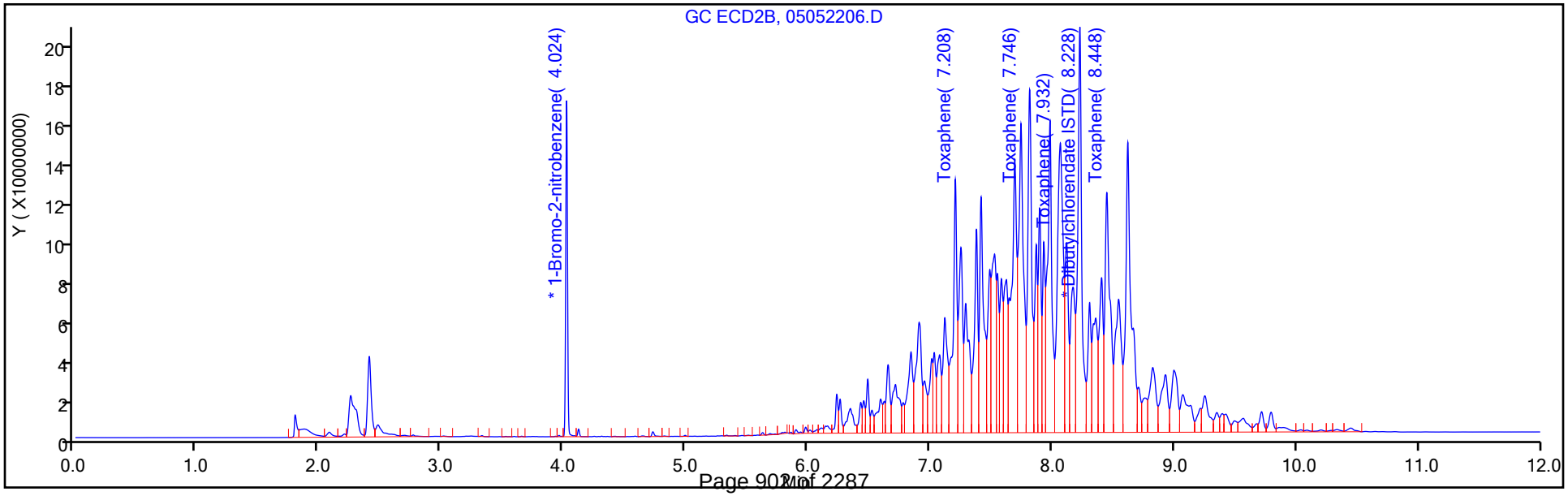
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052206.D

Injection Date:	05-May-2022 10:57:28	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Toxaphene Peak 1

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

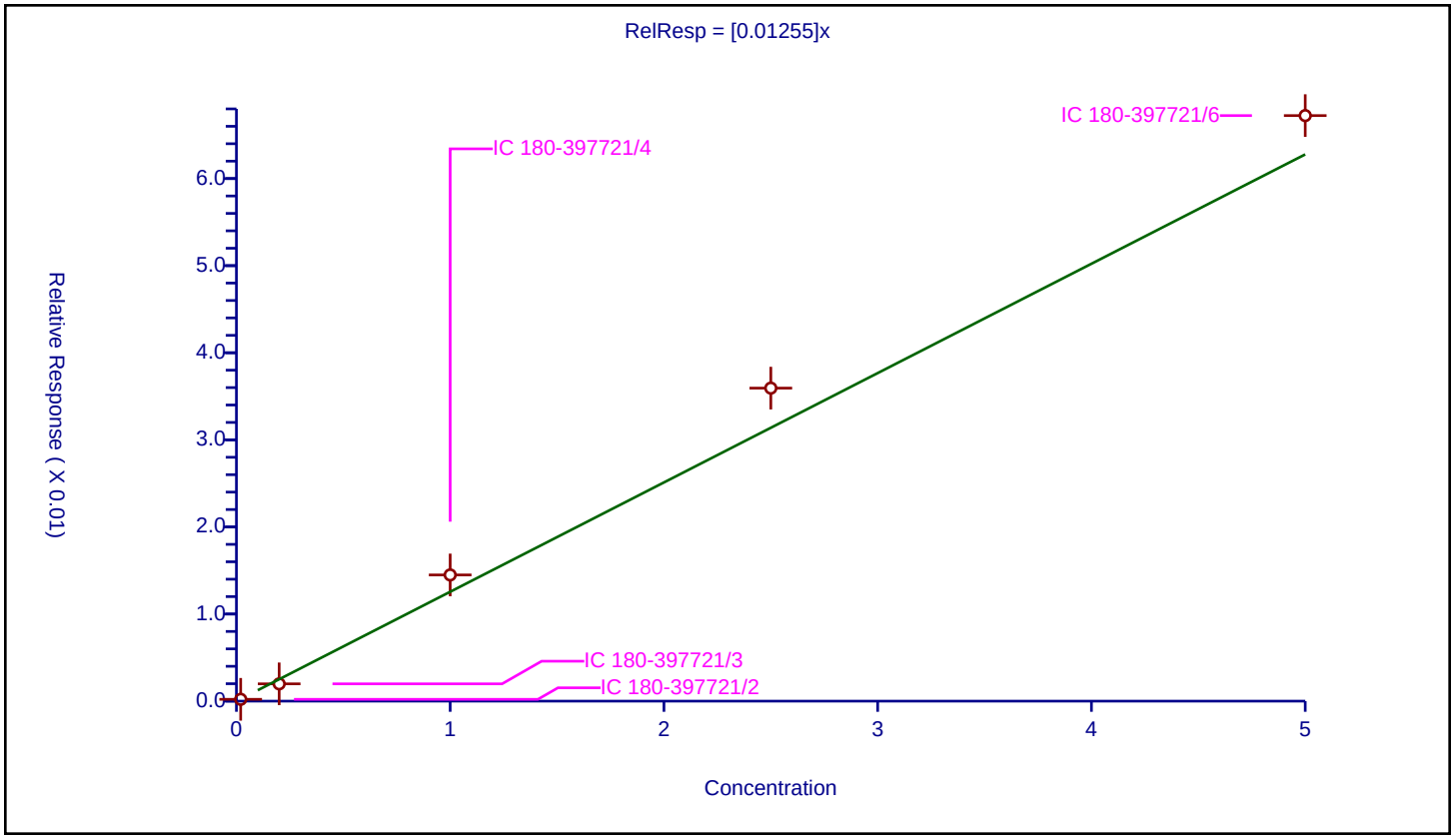
Curve Coefficients

Intercept:	0
Slope:	0.01255

Error Coefficients

Standard Error:	59300000
Relative Standard Error:	17.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000211	0.1	148235143.0	0.010534	Y
2	IC 180-397721/3	0.2	0.001986	0.1	155320487.0	0.009928	Y
3	IC 180-397721/4	1.0	0.014491	0.1	151627179.0	0.014491	Y
4	IC 180-397721/5	2.5	0.035941	0.1	144904018.0	0.014376	Y
5	IC 180-397721/6	5.0	0.067228	0.1	154986030.0	0.013446	Y



Calibration / Toxaphene Peak 2

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

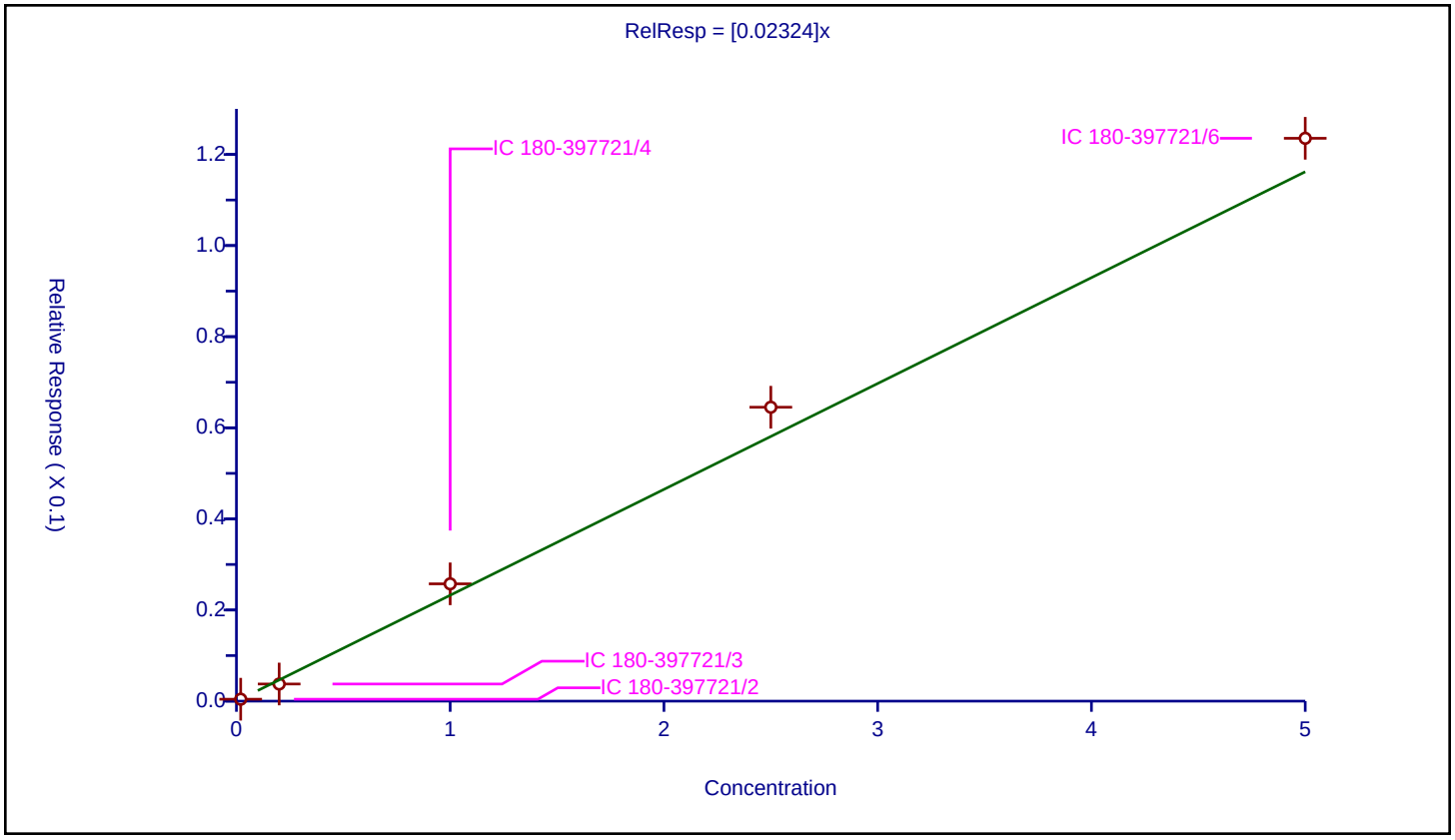
Curve Coefficients

Intercept:	0
Slope:	0.02324

Error Coefficients

Standard Error:	108000000
Relative Standard Error:	13.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000422	0.1	148235143.0	0.021114	Y
2	IC 180-397721/3	0.2	0.003763	0.1	155320487.0	0.018815	Y
3	IC 180-397721/4	1.0	0.02575	0.1	151627179.0	0.02575	Y
4	IC 180-397721/5	2.5	0.064516	0.1	144904018.0	0.025806	Y
5	IC 180-397721/6	5.0	0.123545	0.1	154986030.0	0.024709	Y



Calibration / Toxaphene Peak 3

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

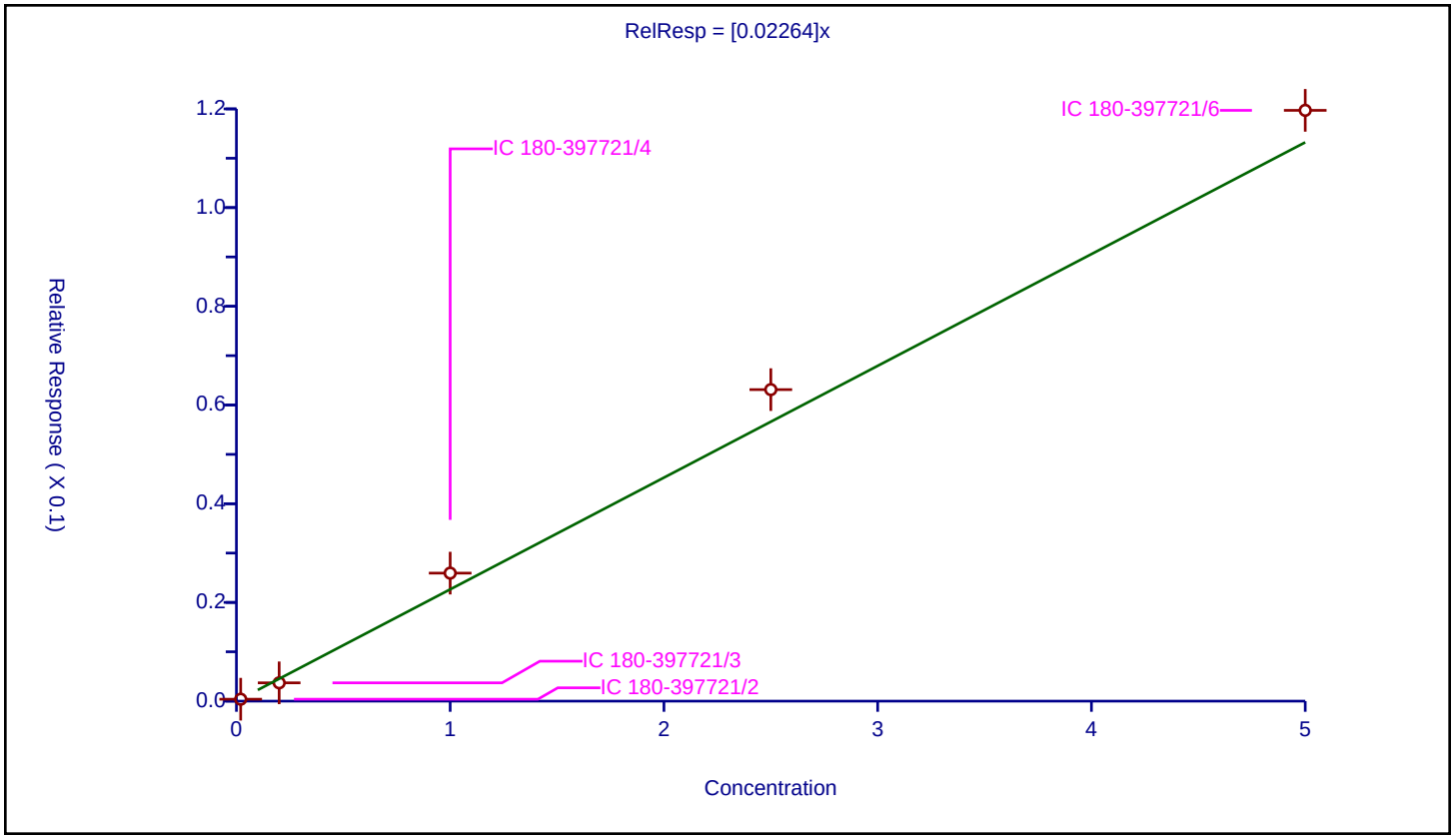
Curve Coefficients

Intercept:	0
Slope:	0.02264

Error Coefficients

Standard Error:	105000000
Relative Standard Error:	14.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000391	0.1	148235143.0	0.019558	Y
2	IC 180-397721/3	0.2	0.003707	0.1	155320487.0	0.018537	Y
3	IC 180-397721/4	1.0	0.025939	0.1	151627179.0	0.025939	Y
4	IC 180-397721/5	2.5	0.063122	0.1	144904018.0	0.025249	Y
5	IC 180-397721/6	5.0	0.119704	0.1	154986030.0	0.023941	Y



Calibration / Toxaphene Peak 4

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

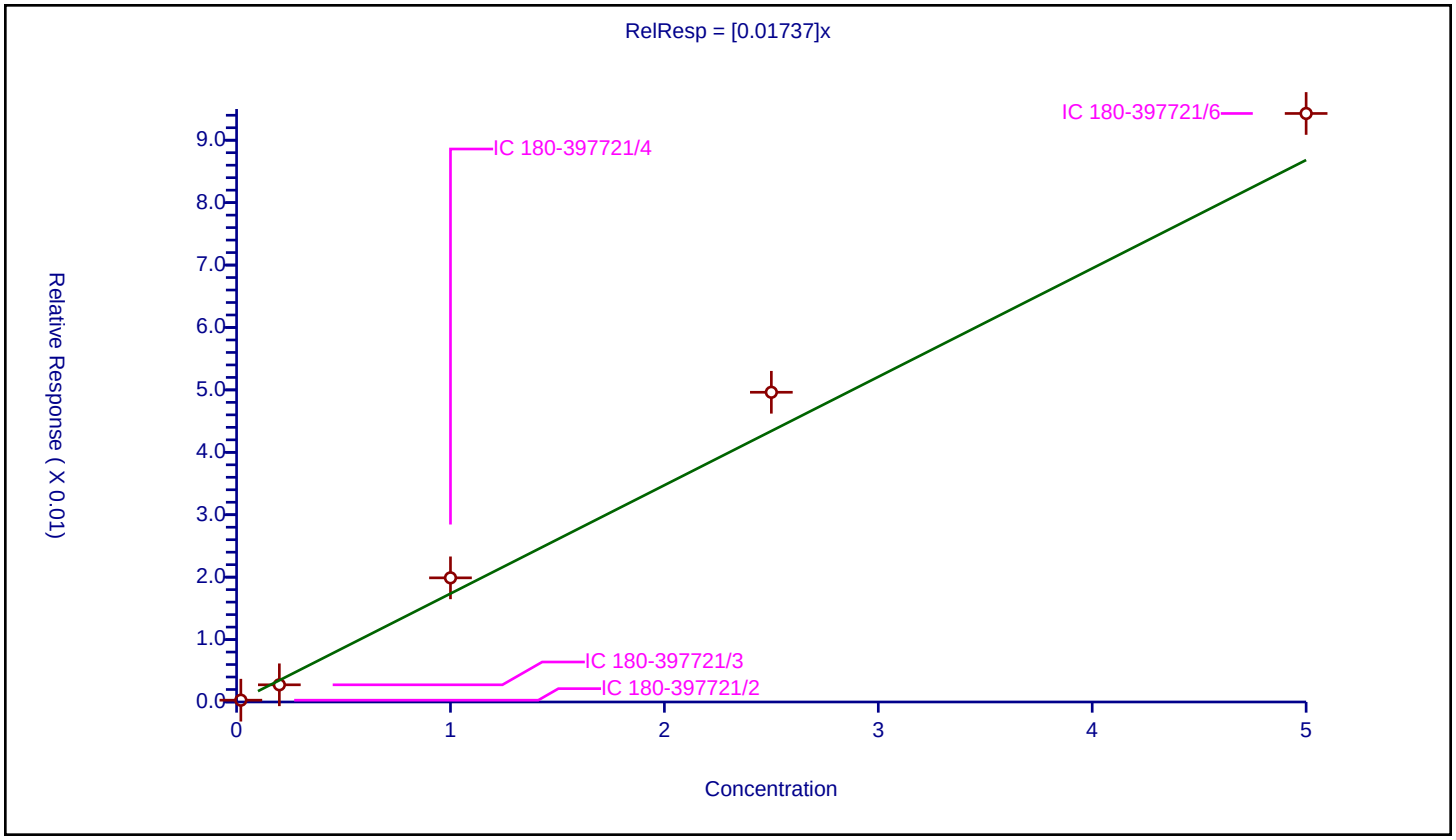
Curve Coefficients

Intercept:	0
Slope:	0.01737

Error Coefficients

Standard Error:	82800000
Relative Standard Error:	17.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000289	0.1	148235143.0	0.014457	Y
2	IC 180-397721/3	0.2	0.002755	0.1	155320487.0	0.013775	Y
3	IC 180-397721/4	1.0	0.019888	0.1	151627179.0	0.019888	Y
4	IC 180-397721/5	2.5	0.049619	0.1	144904018.0	0.019847	Y
5	IC 180-397721/6	5.0	0.094288	0.1	154986030.0	0.018858	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48387

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0125	0.0123	0.0175	0.0167	0.0151	Ave		0.0148				15.8		20.0			
Toxaphene Peak 2	0.0198	0.0162	0.0209	0.0196	0.0184	Ave		0.0190				9.4		20.0			
Toxaphene Peak 3	0.0249	0.0105	0.0126	0.0117	0.0113	Lin1	0.0002	0.0115							0.9980		0.9900
Toxaphene Peak 4	0.0136	0.0111	0.0157	0.0148	0.0143	Ave		0.0139				12.6		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48387

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	398495	4068673	27743259	65189665	124521207	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 2	BNB	Ave	630744	5361269	33208941	76527672	151734976	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 3	BNB	Lin1	791557	3453654	20064439	45724891	93663933	0.0200	0.200	1.00	2.50	5.00
Toxaphene Peak 4	BNB	Ave	430827	3664476	25015393	57652832	117801774	0.0200	0.200	1.00	2.50	5.00

Curve Type Legend
Ave = Average ISTD by Height
Lin1 = Linear 1/Conc ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 09:53 Calibration End Date: 05/05/2022 10:57 Calibration ID: 48387

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/2	05052202.D
Level 2	IC 180-397721/3	05052203.D
Level 3	IC 180-397721/4	05052204.D
Level 4	IC 180-397721/5	05052205.D
Level 5	IC 180-397721/6	05052206.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
Toxaphene Peak 1	-15.4	-16.8	17.8	12.6	1.8		50	30	30	30	30	
Toxaphene Peak 2	4.5	-14.5	10.0	3.2	-3.2		50	30	30	30	30	
Toxaphene Peak 3	11.6	-19.3	7.9	1.2	-1.5		50	30	30	30	30	
Toxaphene Peak 4	-2.4	-20.0	13.3	6.3	2.8		50	30	30	30	30	

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 09:53:56 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-002
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:05 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:39:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.952	3.951	0.001	148235143H	0.1000	0.1000	
2	4.019	4.017	0.002	158921733H	0.1000	0.1000	
24 Toxaphene							M
1	7.182	7.184	-0.002	312287H	0.0200	0.0168	M
1	7.706	7.711	-0.005	625973H	0.0200	0.0182	M
1	7.904	7.909	-0.005	579838H	0.0200	0.0173	M
1	7.982	7.987	-0.005	428613H	0.0200	0.0167	M
		Average of Peak Amounts =				0.0172	
2	7.202	7.206	-0.004	398495H	0.0200	0.0169	M
2	7.739	7.744	-0.005	630744H	0.0200	0.0209	M
2	7.925	7.931	-0.006	791557H	0.0200	0.0223	M
2	8.447	8.448	-0.001	430827H	0.0200	0.0195	M
		Average of Peak Amounts =				0.0199	
						RPD = 14.53	
* 36 Dibutylchlorendate ISTD							M
1	8.413	8.410	0.003	108074806H	0.1000	0.1000	M
2	8.225	8.223	0.002	115862059H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXLEVEL1_00018	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

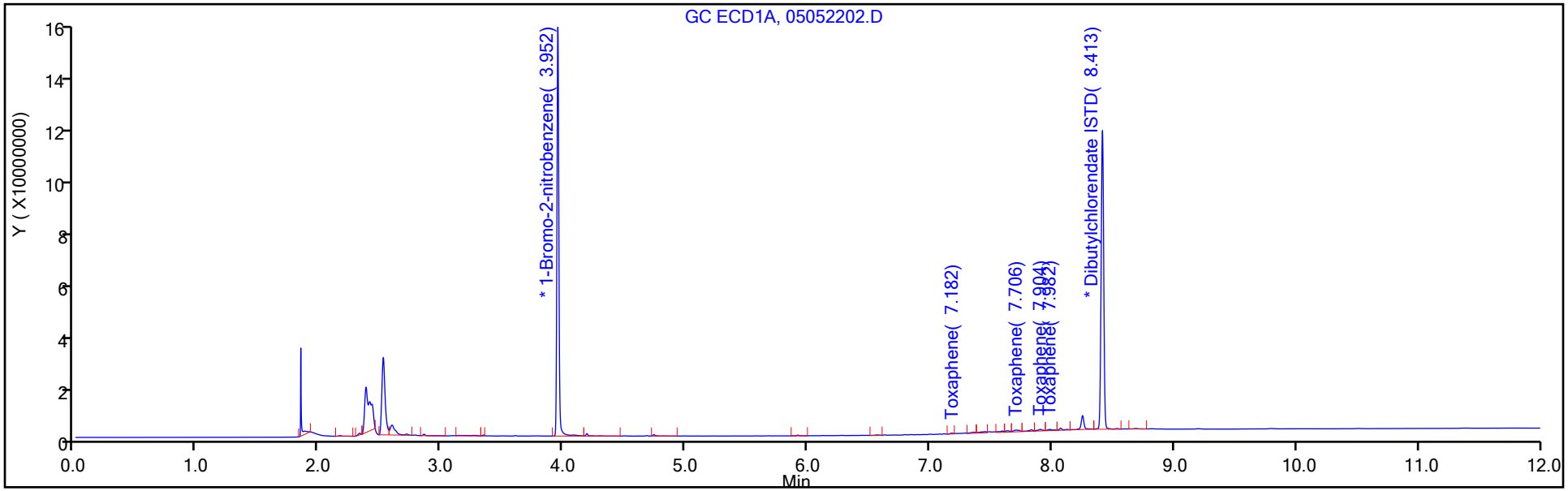
Report Date: 06-May-2022 06:32:06 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

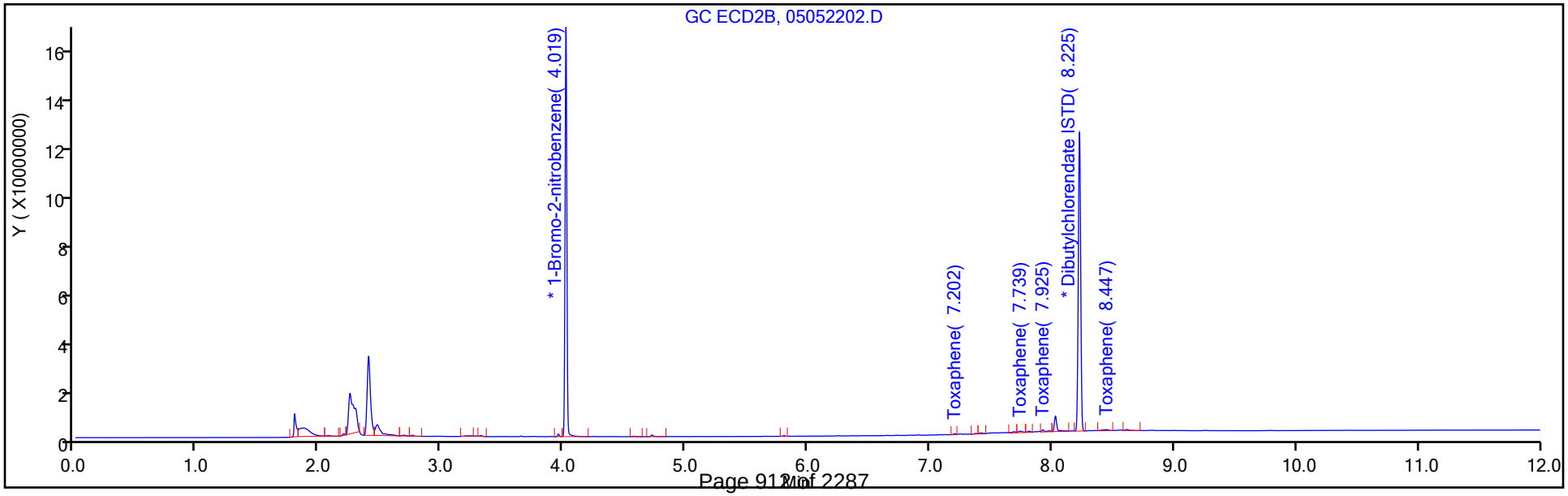
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D

Injection Date:	05-May-2022 09:53:56	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



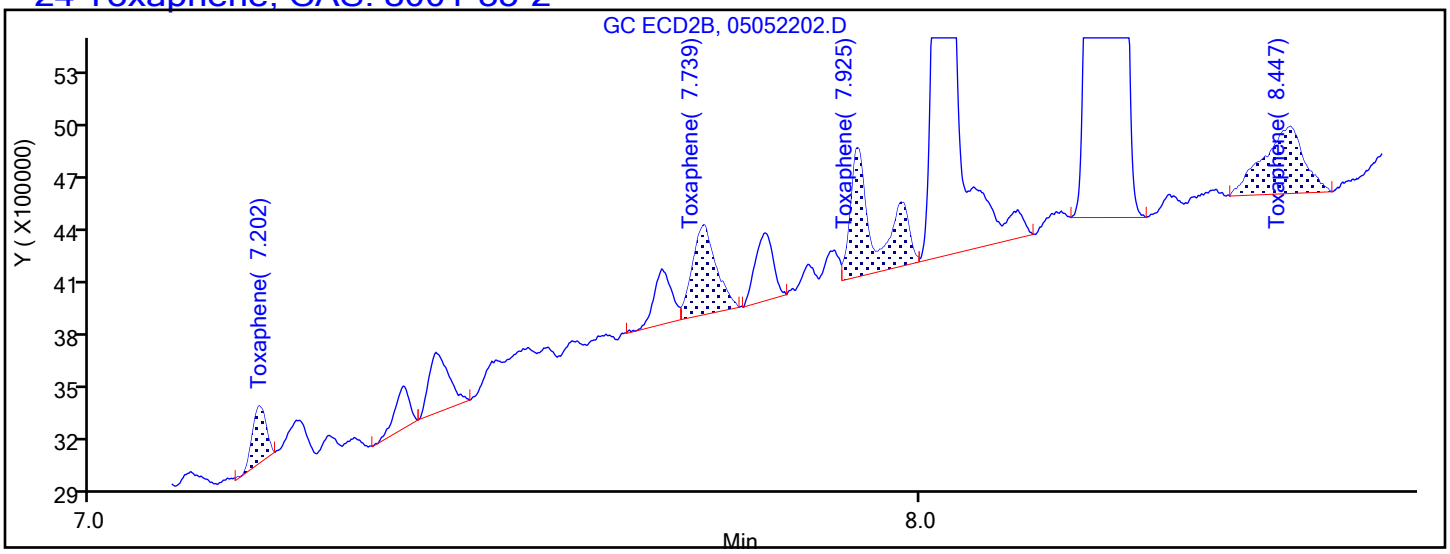
Report Date: 06-May-2022 06:32:06 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D

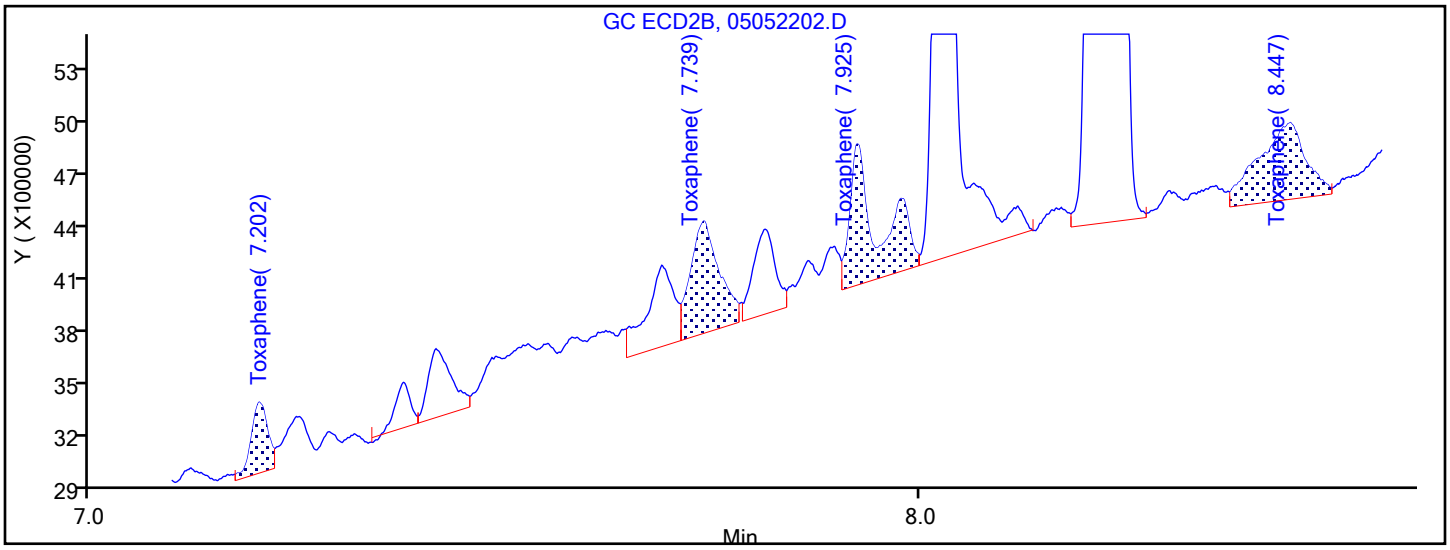
Injection Date:	05-May-2022 09:53:56	Instrument ID:	CHGC17		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

7.202	Response = 322212
7.739	Response = 505329
7.925	Response = 724859
8.447	Response = 377424



Manual Integration Results

7.202	Response = 398495	M
7.739	Response = 630744	M
7.925	Response = 791557	M
8.447	Response = 430827	M

Reviewer: eppinged, 05-May-2022 10:39:12

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

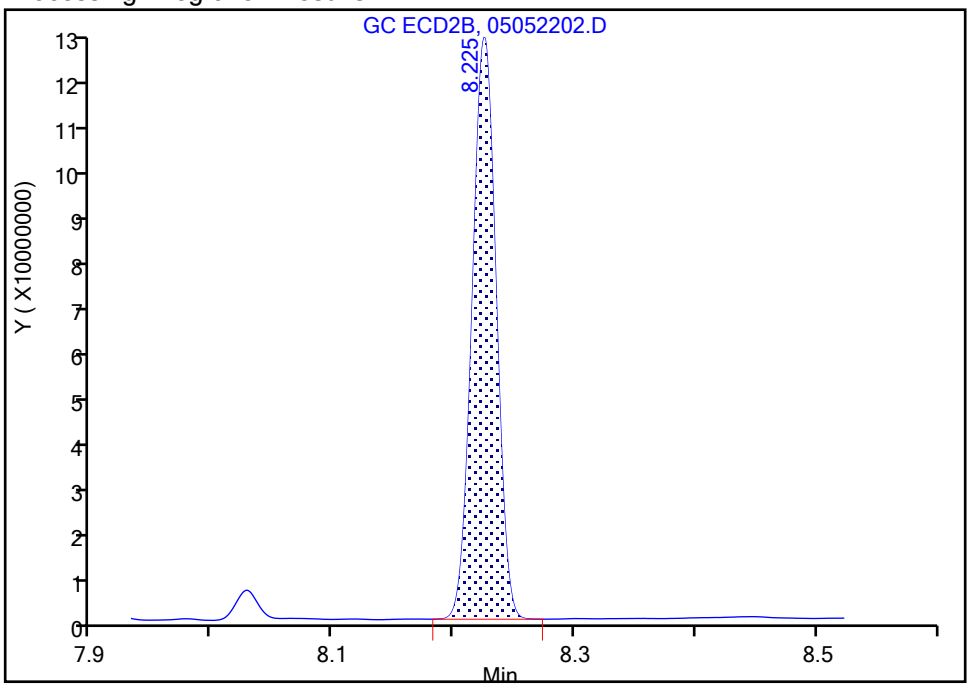
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052202.D
Injection Date: 05-May-2022 09:53:56 Instrument ID: CHGC17
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

* 36 Dibutylchlorendate ISTD, CAS: 1770-80-5

Signal: 2

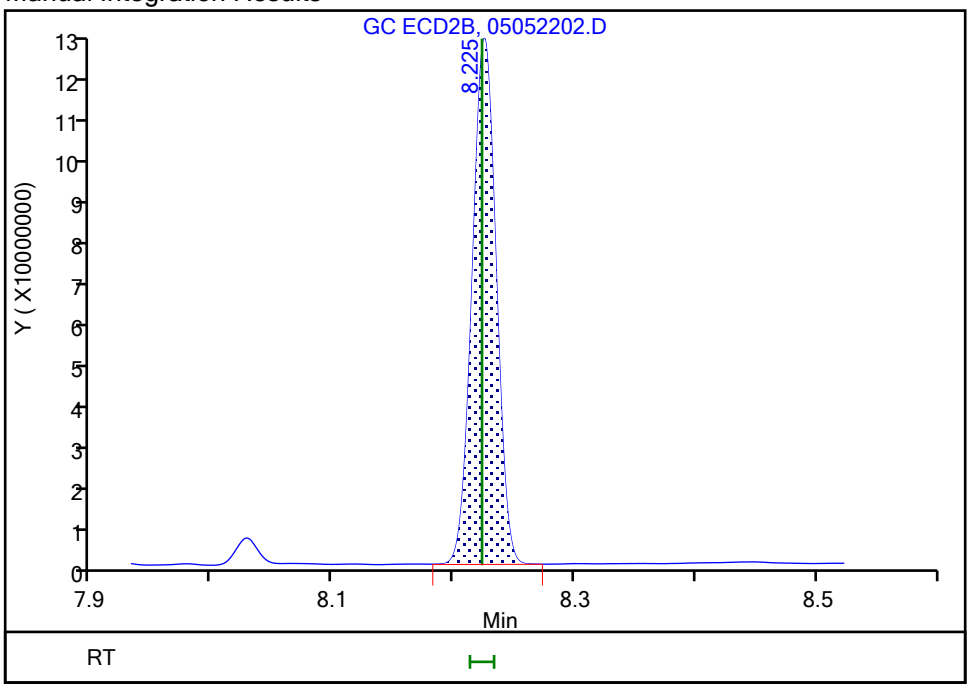
Processing Integration Results

RT: 8.22
Height: 115812484
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 8.22
Height: 115862059
Amount: 0.100000
Amount Units: ng



Reviewer: eppinged, 05-May-2022 10:39:16
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 10:09:48 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-003
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:38:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.002	155320487H	0.1000	0.1000	
2	4.020	4.017	0.003	165030926H	0.1000	0.1000	
24 Toxaphene							a
1	7.179	7.184	-0.005	3083995H	0.2000	0.1582	a
1	7.708	7.711	-0.003	5844822H	0.2000	0.1619	a
1	7.904	7.909	-0.005	5758409H	0.2000	0.1637	a
1	7.984	7.987	-0.003	4279001H	0.2000	0.1586	a
		Average of Peak Amounts =				0.1606	
2	7.204	7.206	-0.002	4068673H	0.2000	0.1664	a
2	7.740	7.744	-0.004	5361269H	0.2000	0.1711	a
2	7.927	7.931	-0.004	3453654H	0.2000	0.1614	a
2	8.444	8.448	-0.004	3664476H	0.2000	0.1599	a
		Average of Peak Amounts =				0.1647	
						RPD = 2.49	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	112876187H	0.1000	0.1000	
2	8.226	8.223	0.003	120442533H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
a - User Assigned ID

Reagents:

GCTOXLEVEL2_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

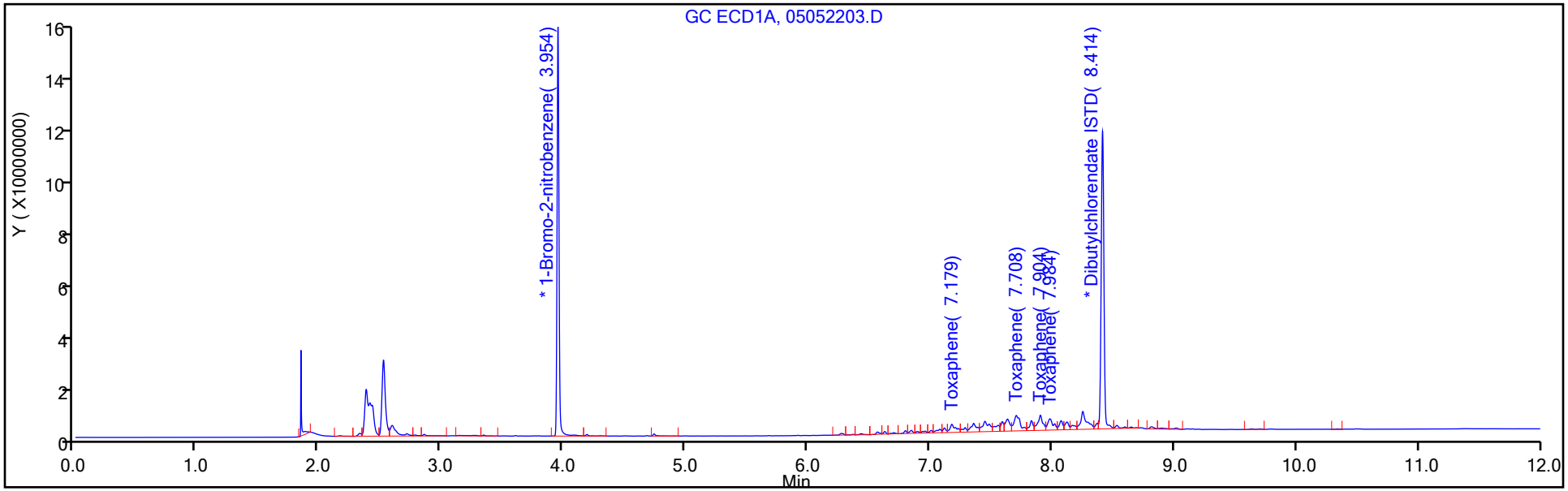
Report Date: 06-May-2022 06:32:08 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

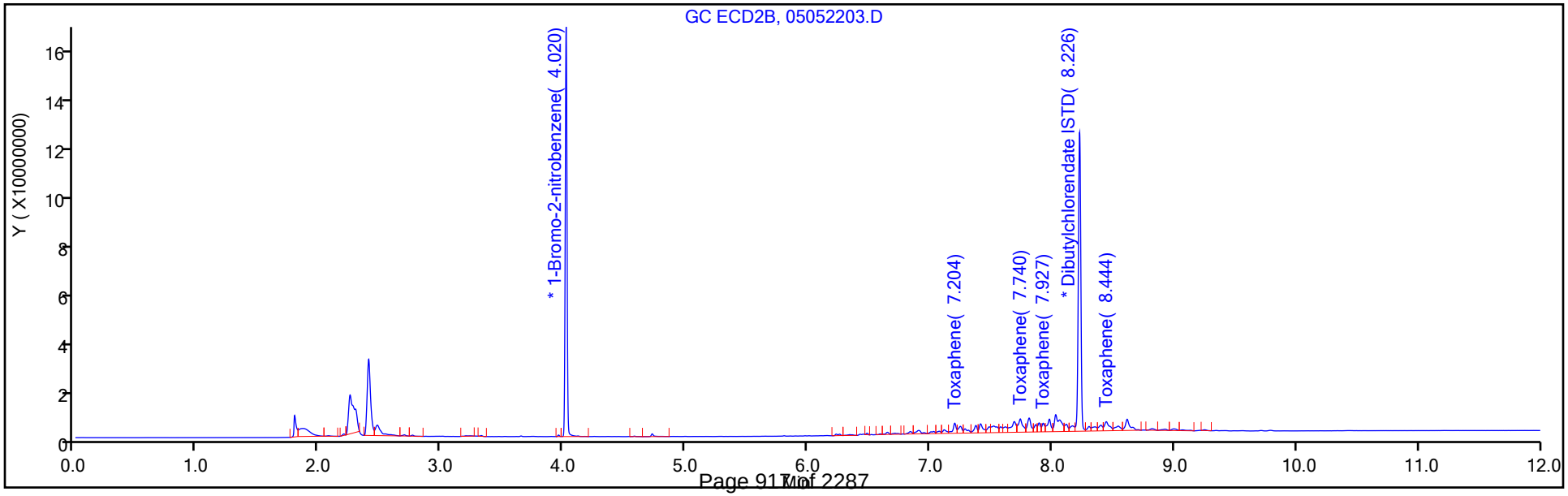
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D

Injection Date:	05-May-2022 10:09:48	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:08 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052203.D

Injection Date: 05-May-2022 10:09:48 Instrument ID: CHGC17

Lims ID: IC

Client ID:

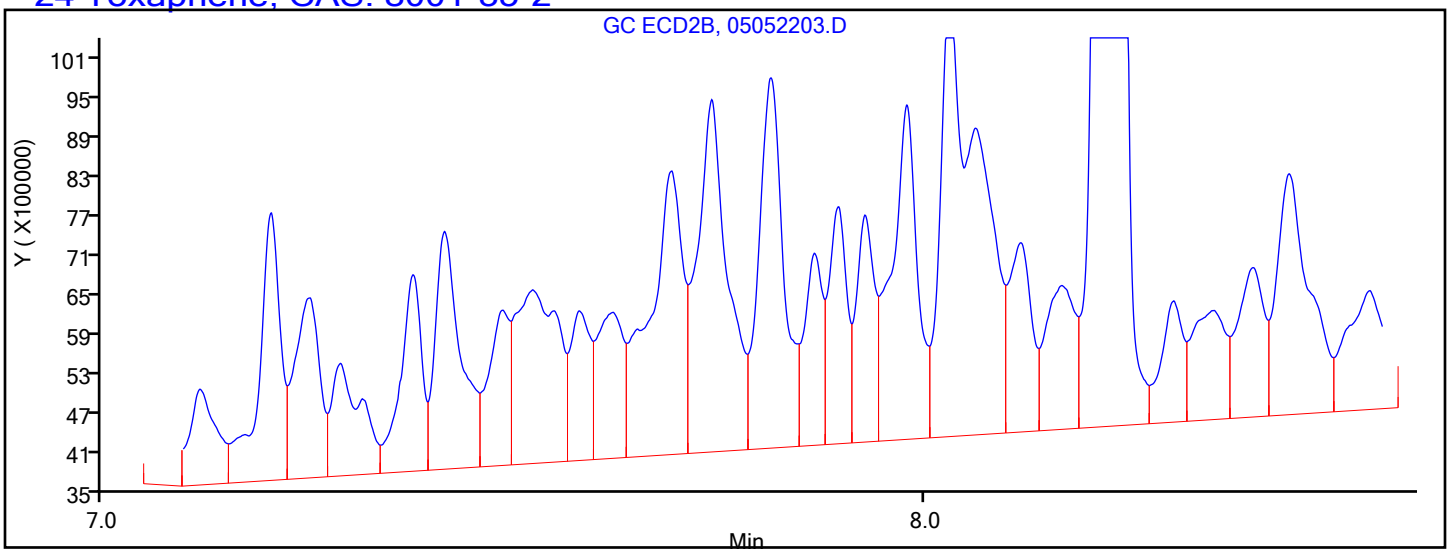
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

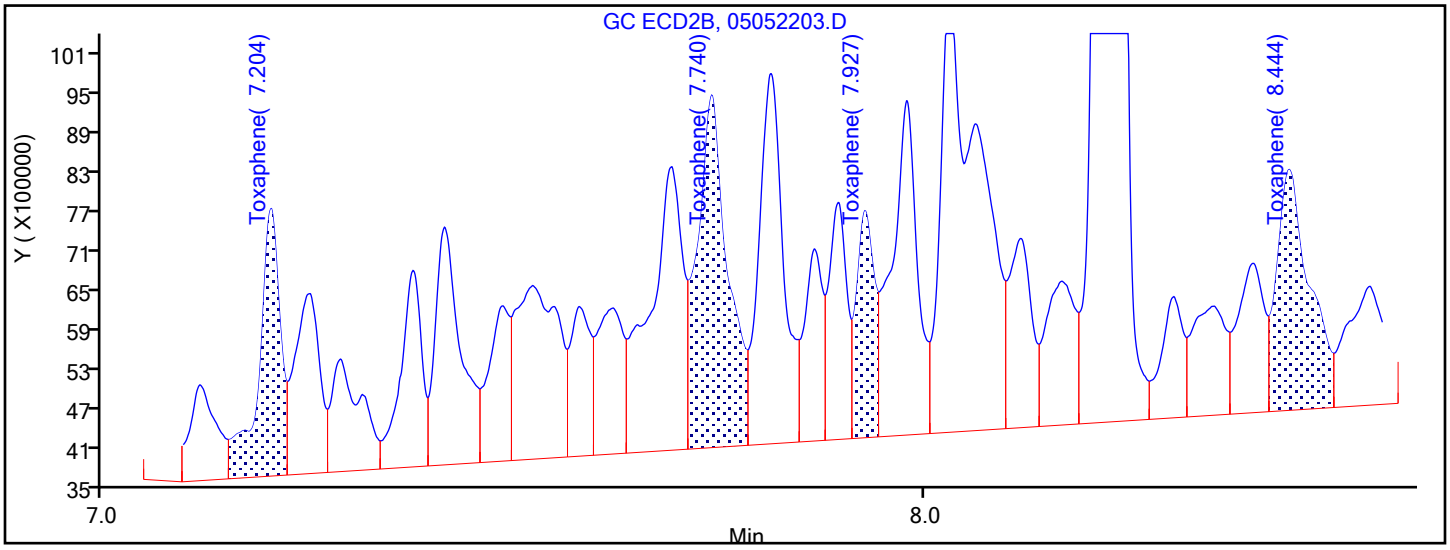
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-2 (0.53 mm) Detector GC ECD2B

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results



Manual Integration Results

7.204	Response = 4068673	M
7.740	Response = 5361269	M
7.927	Response = 3453654	M
8.444	Response = 3664476	M

Reviewer: eppinged, 05-May-2022 10:37:27

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052204.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-May-2022 10:25:38 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-004
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 10:58:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.956	3.956	0.000	151627179H	0.1000	0.1000	
2	4.023	4.023	0.000	158958875H	0.1000	0.1000	
24 Toxaphene							
1	7.184	7.184	0.000	21972774H	1.00	1.15	
1	7.711	7.711	0.000	39043560H	1.00	1.11	
1	7.909	7.909	0.000	39331191H	1.00	1.15	
1	7.987	7.987	0.000	30155832H	1.00	1.15	
		Average of Peak Amounts =				1.14	
2	7.206	7.206	0.000	27743259H	1.00	1.18	
2	7.744	7.744	0.000	33208941H	1.00	1.10	
2	7.931	7.931	0.000	20064439H	1.00	1.08	
2	8.448	8.448	0.000	25015393H	1.00	1.13	
		Average of Peak Amounts =				1.12	
						RPD = 1.39	
* 36 Dibutylchlorendate ISTD							
1	8.417	8.417	0.000	143281998H	0.1000	0.1000	
2	8.229	8.229	0.000	134916652H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL3_00032	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

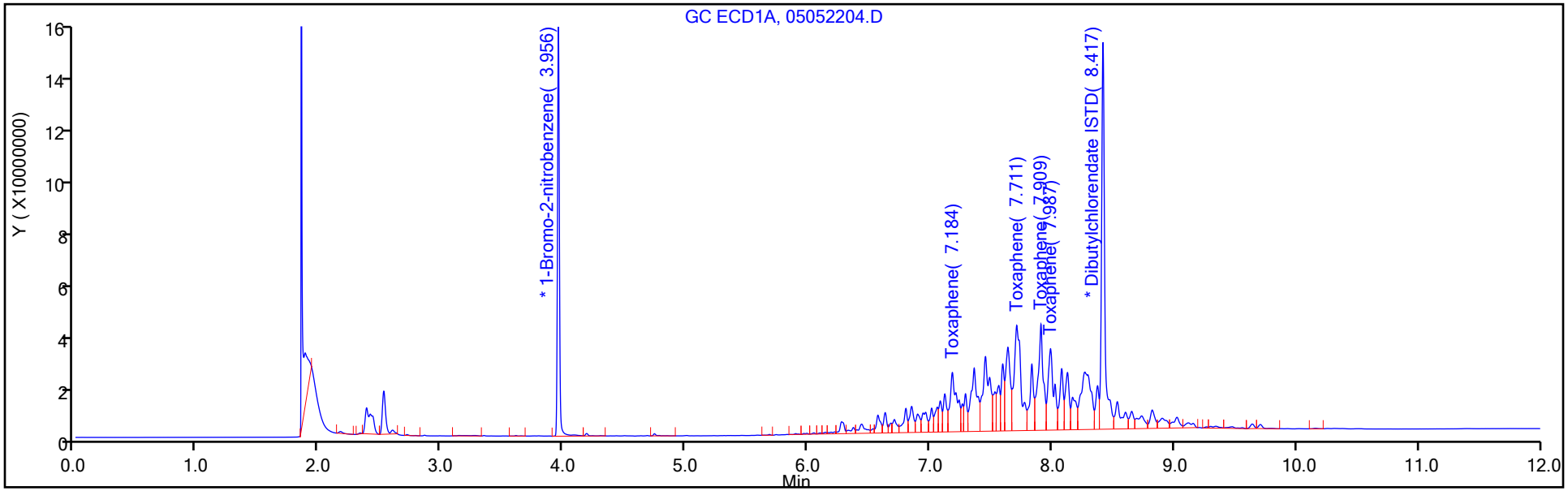
Report Date: 06-May-2022 06:32:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

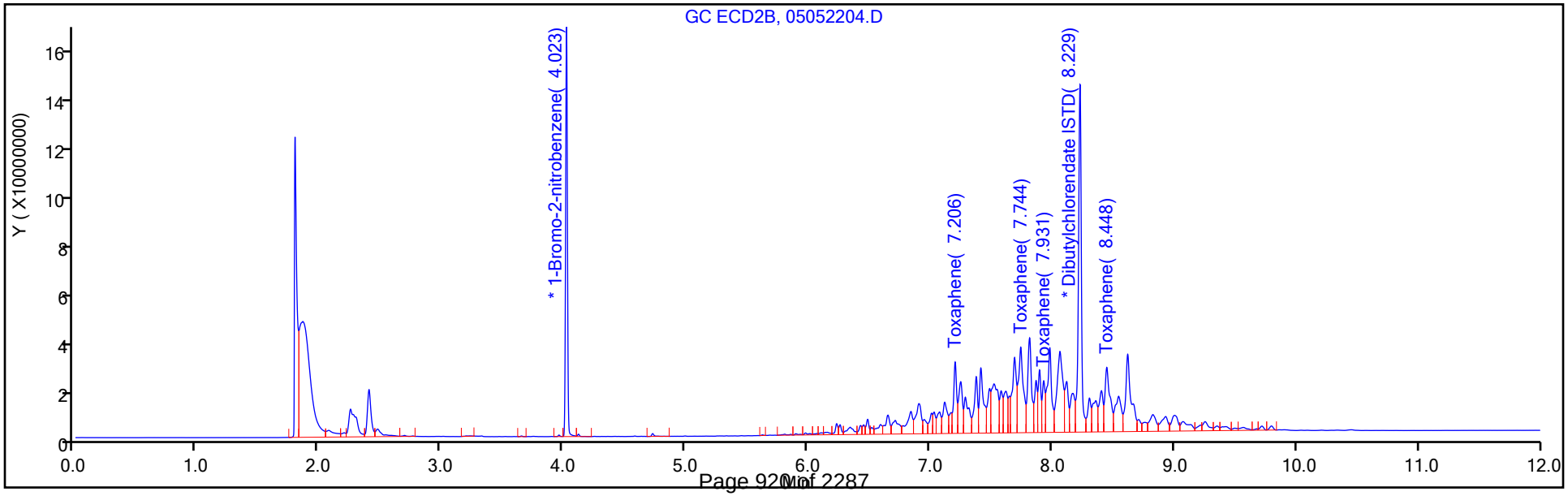
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052204.D

Injection Date:	05-May-2022 10:25:38	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052205.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 10:41:37 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-005
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:11 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:21:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.957	3.951	0.006	144904018H	0.1000	0.1000	
2	4.024	4.017	0.007	156222334H	0.1000	0.1000	
24 Toxaphene							
1	7.185	7.184	0.001	52079800H	2.50	2.86	
1	7.713	7.711	0.002	93486109H	2.50	2.78	
1	7.911	7.909	0.002	91465984H	2.50	2.79	
1	7.992	7.987	0.005	71899471H	2.50	2.86	
		Average of Peak Amounts =				2.82	
2	7.209	7.206	0.003	65189665H	2.50	2.82	
2	7.746	7.744	0.002	76527672H	2.50	2.58	
2	7.934	7.931	0.003	45724891H	2.50	2.53	
2	8.450	8.448	0.002	57652832H	2.50	2.66	
		Average of Peak Amounts =				2.65	
						RPD = 6.40	
* 36 Dibutylchlorendate ISTD							
1	8.418	8.410	0.009	178476270H	0.1000	0.1000	
2	8.231	8.223	0.008	147150409H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL4_00016 Amount Added: 1.00 Units: mL
GCPESTISSPK2_00027 Amount Added: 0.02 Units: mL Run Reagent

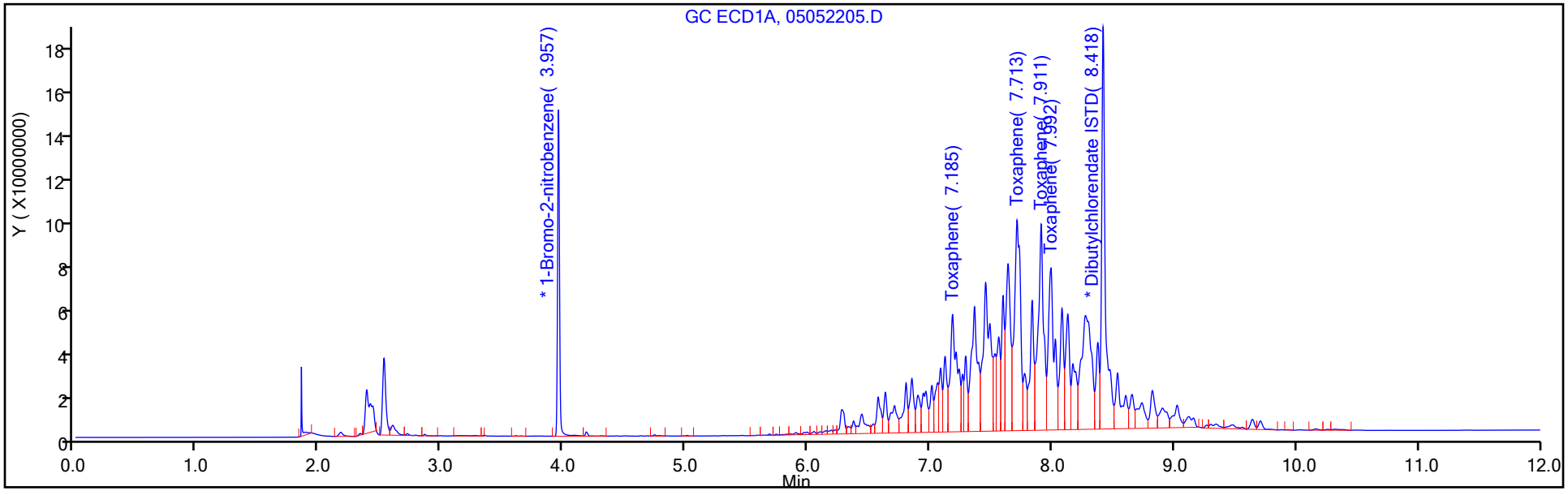
Report Date: 06-May-2022 06:32:11 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

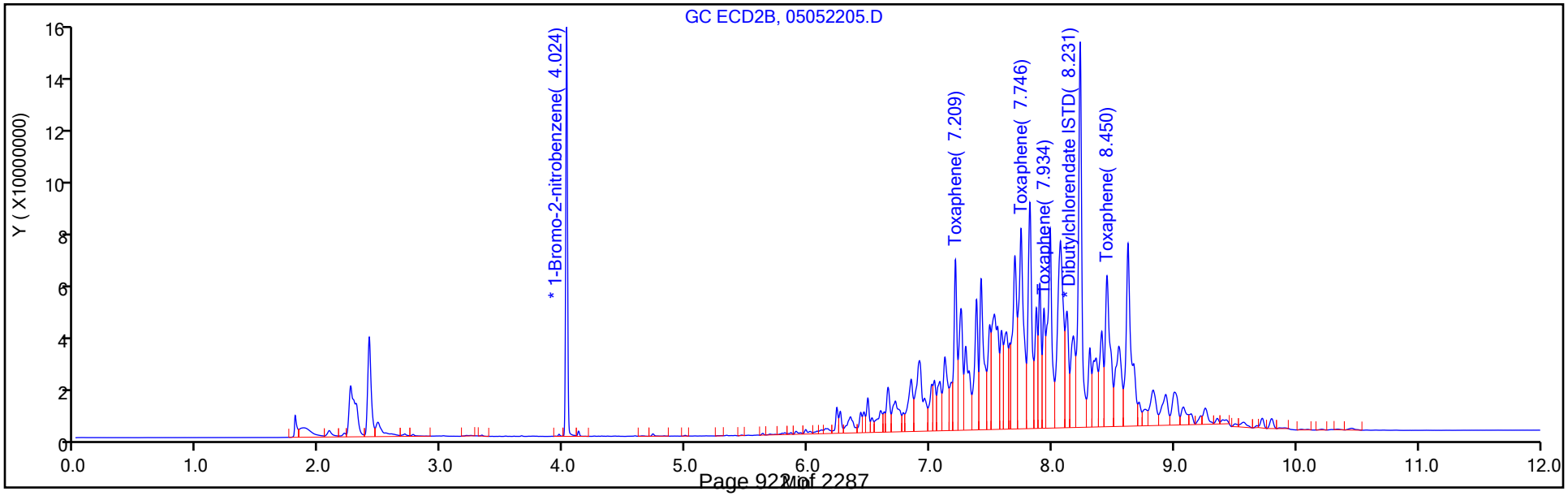
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052205.D

Injection Date:	05-May-2022 10:41:37	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052206.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 10:57:28 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-006
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:13 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:14:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.957	3.951	0.006	154986030H	0.1000	0.1000	
2	4.024	4.017	0.007	165057099H	0.1000	0.1000	
24 Toxaphene							
1	7.184	7.184	0.000	104193866H	5.00	5.35	
1	7.711	7.711	0.000	191476744H	5.00	5.32	
1	7.911	7.909	0.002	185524171H	5.00	5.29	
1	7.990	7.987	0.003	146133316H	5.00	5.43	
		Average of Peak Amounts =				5.35	
2	7.208	7.206	0.002	124521207H	5.00	5.09	
2	7.746	7.744	0.002	151734976H	5.00	4.84	
2	7.932	7.931	0.001	93663933H	5.00	4.93	
2	8.448	8.448	0.000	117801774H	5.00	5.14	
		Average of Peak Amounts =				5.00	
						RPD = 6.72	
* 36 Dibutylchlorendate ISTD							
1	8.417	8.410	0.008	263339780H	0.1000	0.1000	
2	8.228	8.223	0.005	199101319H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXLEVEL5_00020 Amount Added: 1.00 Units: mL
GCPESTISSPK2_00027 Amount Added: 0.02 Units: mL Run Reagent

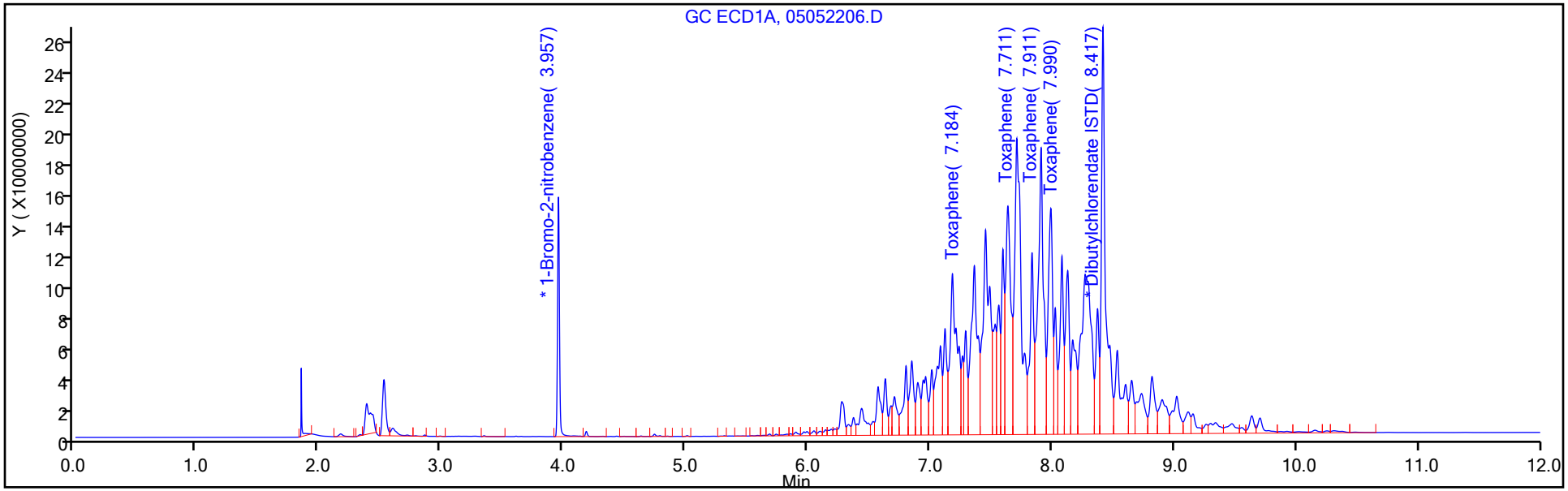
Report Date: 06-May-2022 06:32:13 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

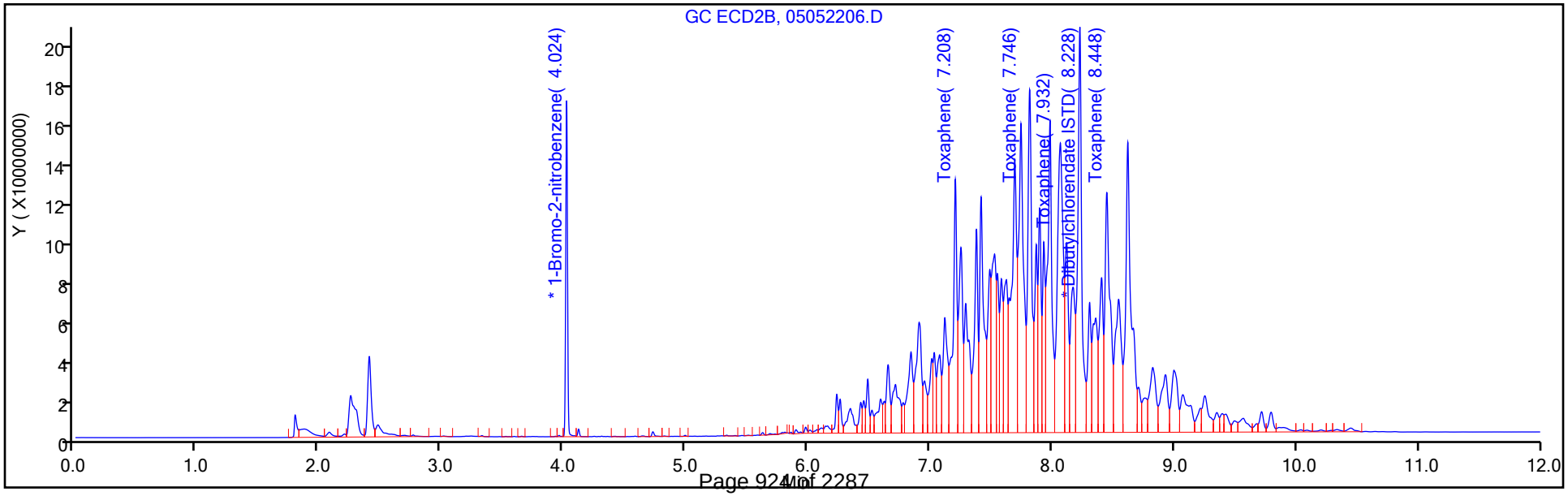
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052206.D

Injection Date:	05-May-2022 10:57:28	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Toxaphene Peak 1

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

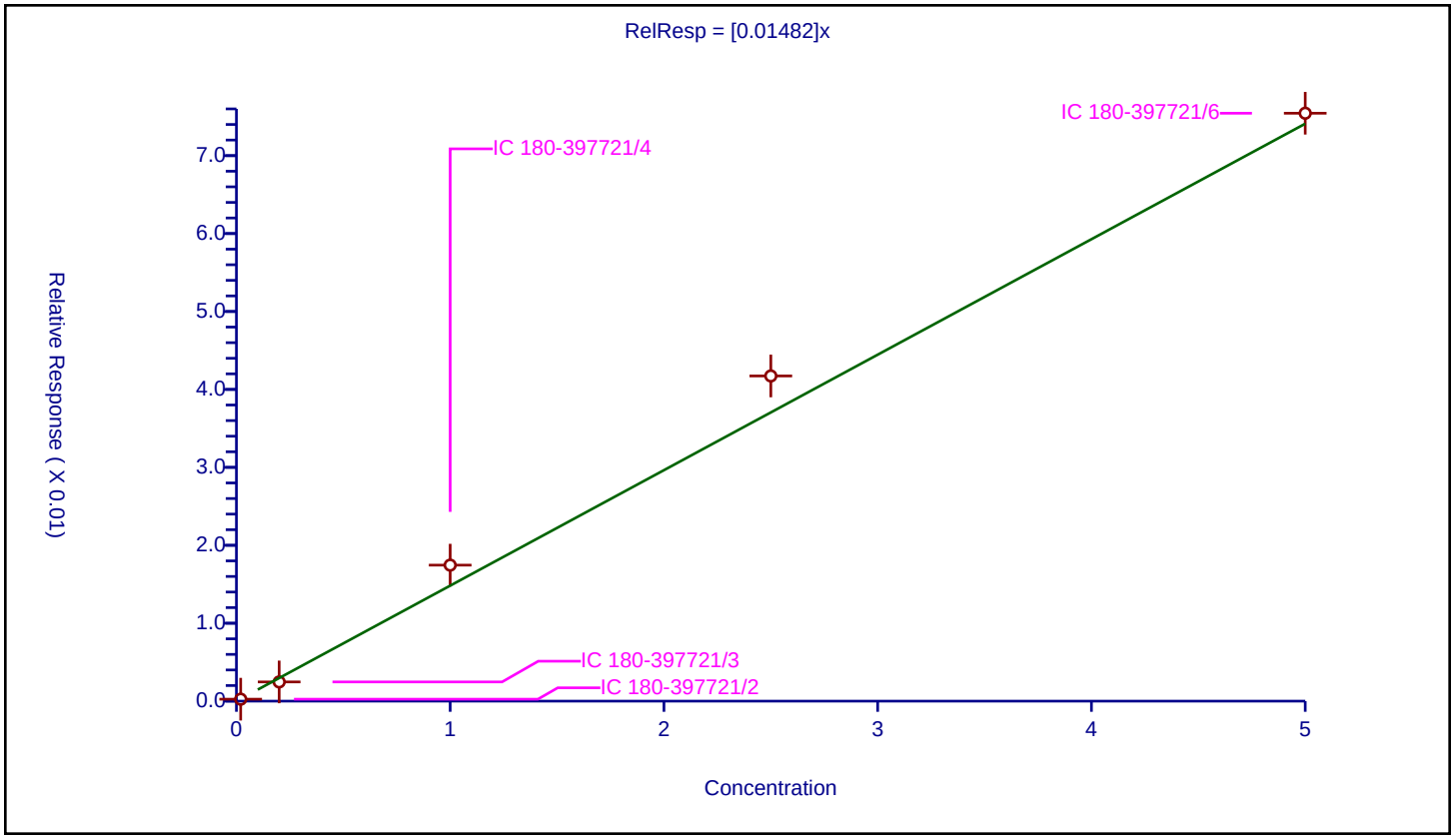
Curve Coefficients

Intercept:	0
Slope:	0.01482

Error Coefficients

Standard Error:	71700000
Relative Standard Error:	15.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000251	0.1	158921733.0	0.012537	Y
2	IC 180-397721/3	0.2	0.002465	0.1	165030926.0	0.012327	Y
3	IC 180-397721/4	1.0	0.017453	0.1	158958875.0	0.017453	Y
4	IC 180-397721/5	2.5	0.041729	0.1	156222334.0	0.016692	Y
5	IC 180-397721/6	5.0	0.075441	0.1	165057099.0	0.015088	Y



Calibration / Toxaphene Peak 2

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

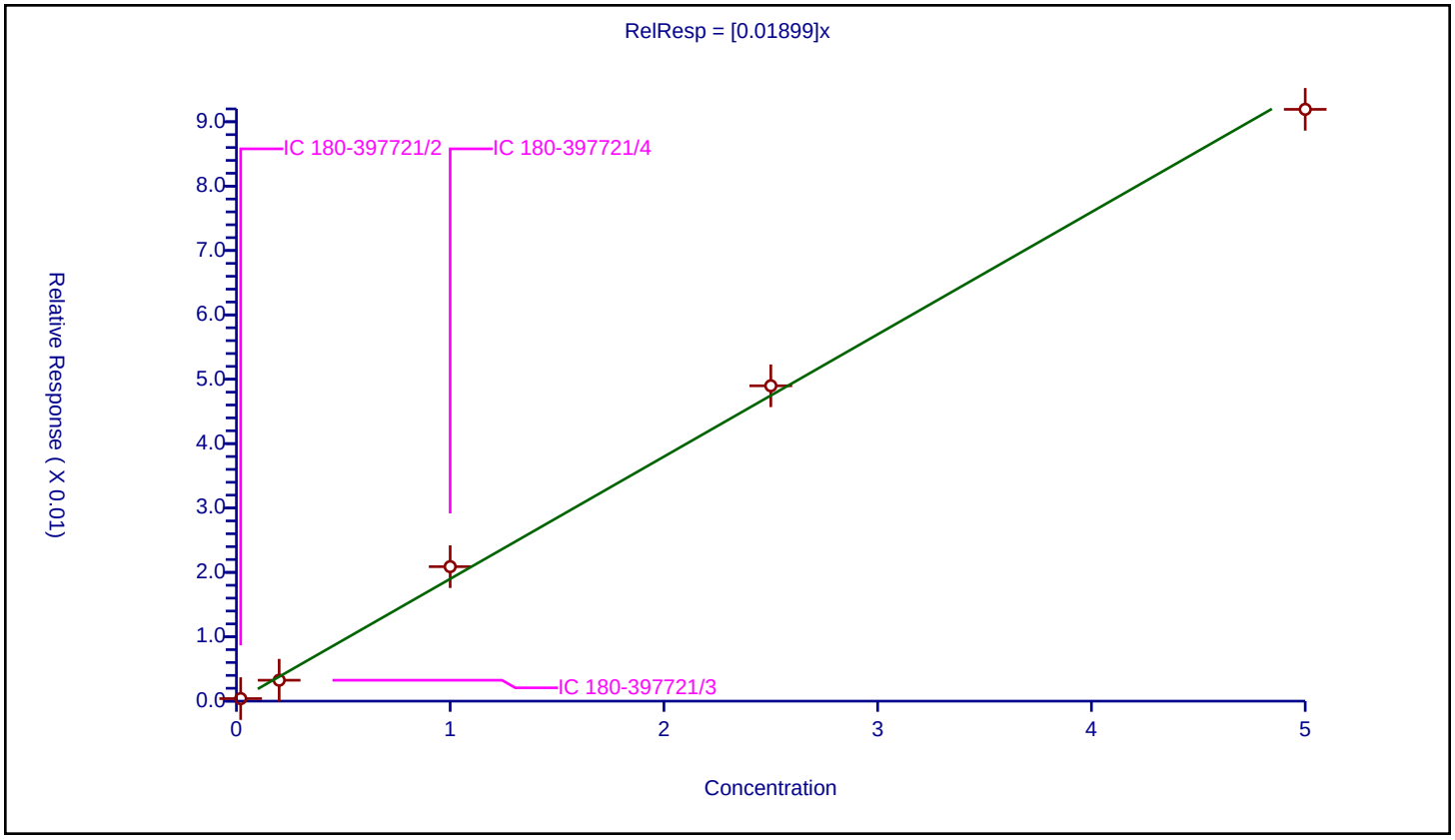
Curve Coefficients

Intercept:	0
Slope:	0.01899

Error Coefficients

Standard Error:	86600000
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 180-397721/2	0.02	0.000397	0.1	158921733.0	0.019844	Y
2	IC 180-397721/3	0.2	0.003249	0.1	165030926.0	0.016243	Y
3	IC 180-397721/4	1.0	0.020892	0.1	158958875.0	0.020892	Y
4	IC 180-397721/5	2.5	0.048986	0.1	156222334.0	0.019595	Y
5	IC 180-397721/6	5.0	0.091929	0.1	165057099.0	0.018386	Y



Calibration / Toxaphene Peak 3

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

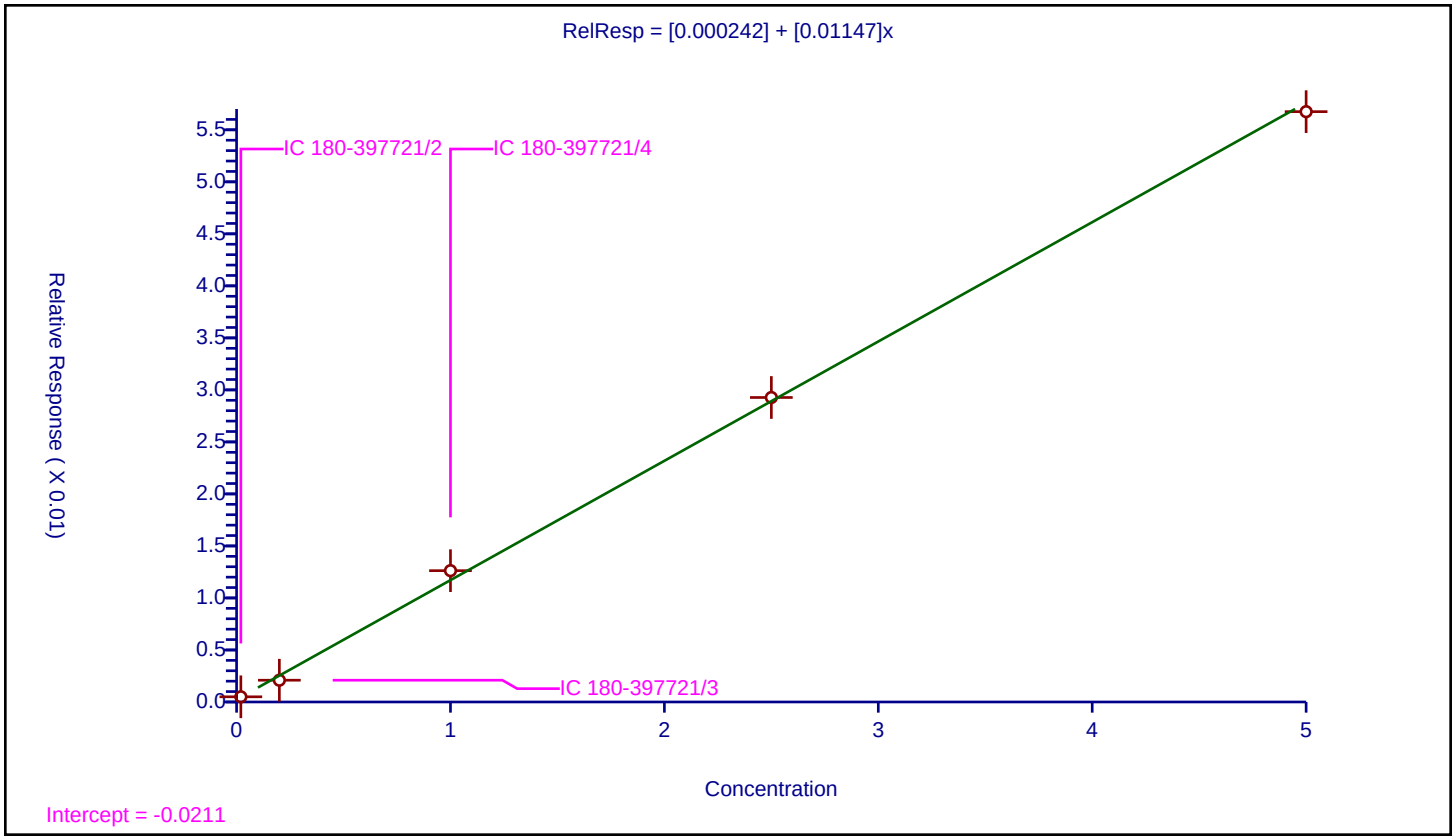
Curve Coefficients

Intercept:	0.000242
Slope:	0.01147

Error Coefficients

Standard Error:	61300000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000498	0.1	158921733.0	0.024904	Y
2	IC 180-397721/3	0.2	0.002093	0.1	165030926.0	0.010464	Y
3	IC 180-397721/4	1.0	0.012622	0.1	158958875.0	0.012622	Y
4	IC 180-397721/5	2.5	0.029269	0.1	156222334.0	0.011708	Y
5	IC 180-397721/6	5.0	0.056746	0.1	165057099.0	0.011349	Y



Calibration / Toxaphene Peak 4

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

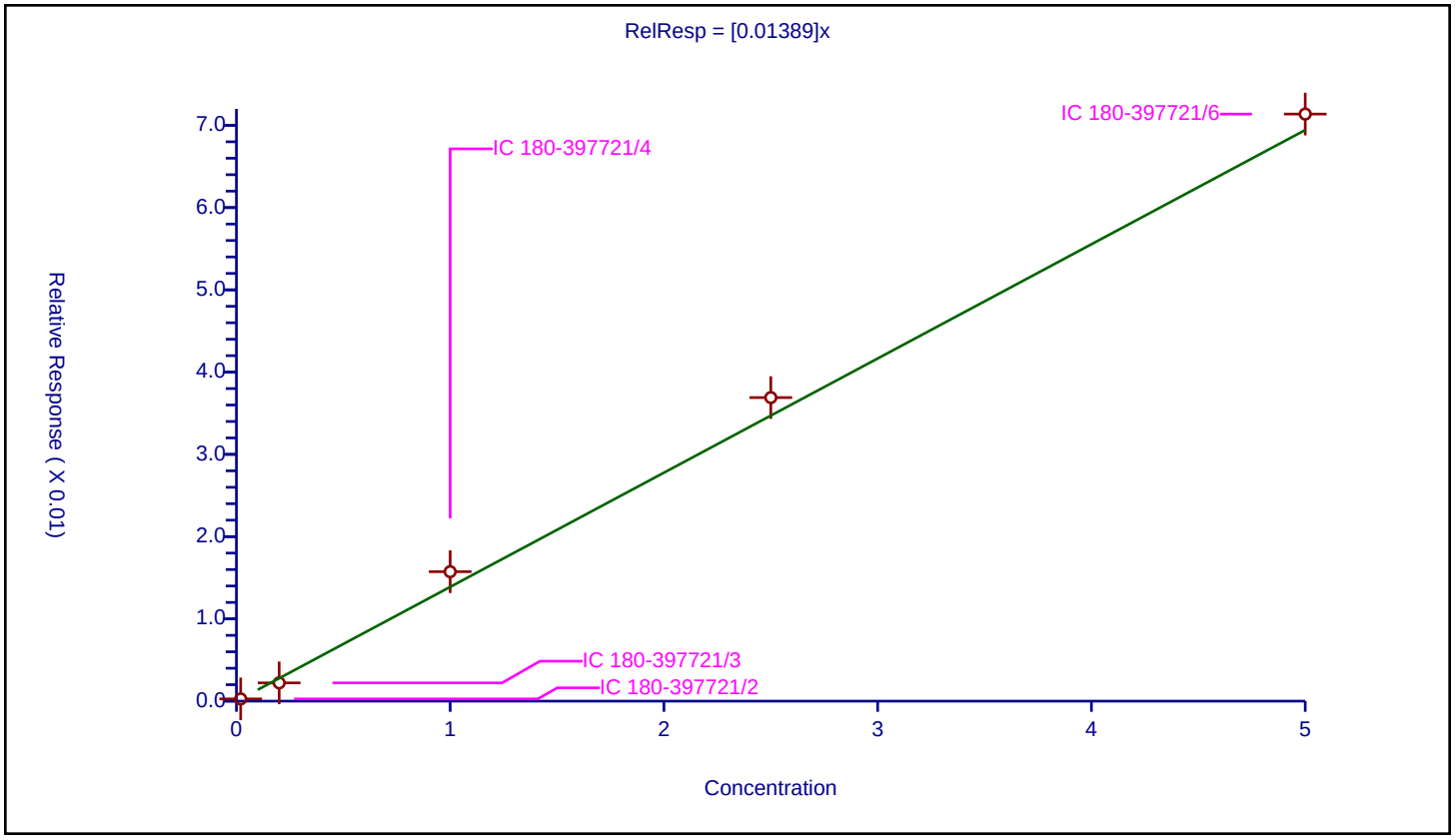
Curve Coefficients

Intercept:	0
Slope:	0.01389

Error Coefficients

Standard Error:	66800000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/2	0.02	0.000271	0.1	158921733.0	0.013555	Y
2	IC 180-397721/3	0.2	0.00222	0.1	165030926.0	0.011102	Y
3	IC 180-397721/4	1.0	0.015737	0.1	158958875.0	0.015737	Y
4	IC 180-397721/5	2.5	0.036904	0.1	156222334.0	0.014762	Y
5	IC 180-397721/6	5.0	0.07137	0.1	165057099.0	0.014274	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48392

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlordane (technical) Peak 1	0.0575	0.0441	0.0629	0.0401	0.0514	Ave		0.0512				18.3		20.0			
Chlordane (technical) Peak 2	0.0721	0.0550	0.0786	0.0493	0.0627	Ave		0.0635				18.9		20.0			
Chlordane (technical) Peak 3	0.2212	0.1713	0.2447	0.1543	0.2013	Ave		0.1985				18.4		20.0			
Chlordane (technical) Peak 4	0.2581	0.1832	0.2476	0.1611	0.2129	Ave		0.2126				19.4		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48392

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	BNB	Ave	342838	1619026	22267519	77913306	188393081	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 2	BNB	Ave	430186	2019817	27804762	95940026	229641901	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 3	BNB	Ave	1319228	6285897	86576478	300066261	737689747	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 4	BNB	Ave	1539661	6722710	87607330	313378638	780385461	0.00500	0.0250	0.250	1.25	2.50

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48392

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
Chlordane (technical) Peak 1	12.3	-13.8	22.9	-21.7	0.4		50	30	30	30	30	
Chlordane (technical) Peak 2	13.5	-13.4	23.6	-22.4	-1.4		50	30	30	30	30	
Chlordane (technical) Peak 3	11.4	-13.7	23.2	-22.3	1.4		50	30	30	30	30	
Chlordane (technical) Peak 4	21.4	-13.8	16.5	-24.2	0.2		50	30	30	30	30	

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 11:13:19 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-007
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:15 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:47:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.002	119301605H	0.1000	0.1000	
2	4.020	4.017	0.003	130306647H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.877	5.876	0.001	342838H	0.005000	0.005613	a
1	6.051	6.052	-0.001	430186H	0.005000	0.005674	a
1	6.917	6.918	-0.001	1319228H	0.005000	0.005570	a
1	6.986	6.986	0.000	1539661H	0.005000	0.006071	a
		Average of Peak Amounts =				0.005732	
2	5.952	5.952	0.000	470786H	0.005000	0.006042	a
2	6.304	6.305	-0.001	291495H	0.005000	0.005842	a
2	6.894	6.892	0.002	1249270H	0.005000	0.005915	M
2	6.950	6.950	0.000	893239H	0.005000	0.006083	a
		Average of Peak Amounts =				0.005970	
						RPD = 4.07	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	86287681H	0.1000	0.1000	
2	8.225	8.223	0.002	95609439H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL1_00018	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

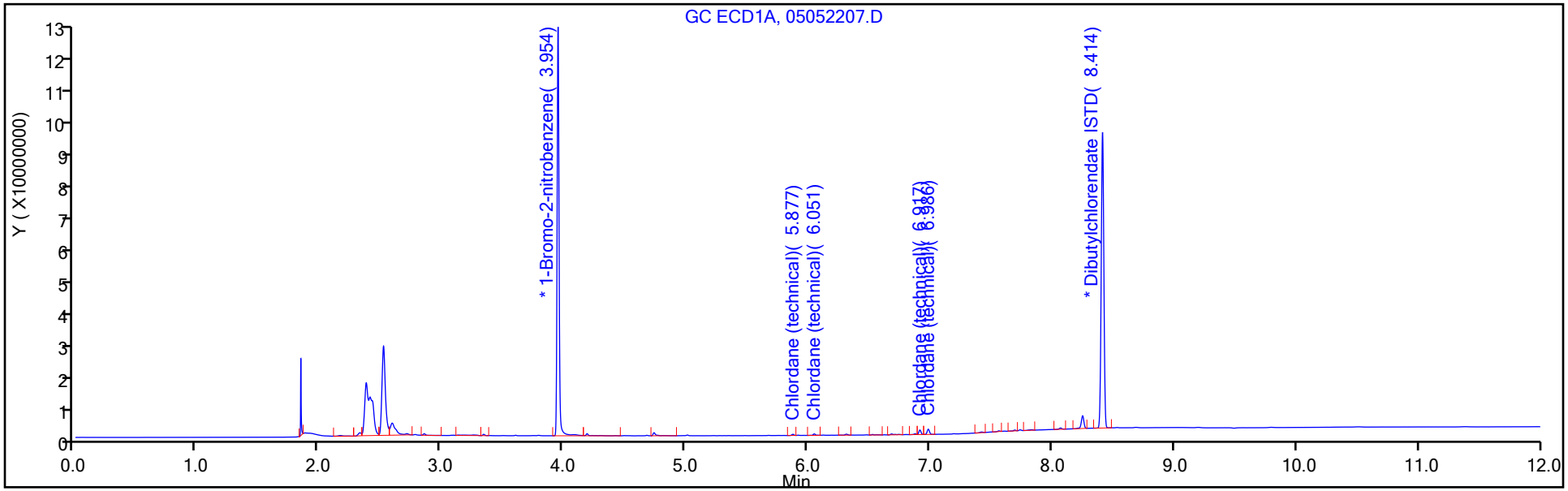
Report Date: 06-May-2022 06:32:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

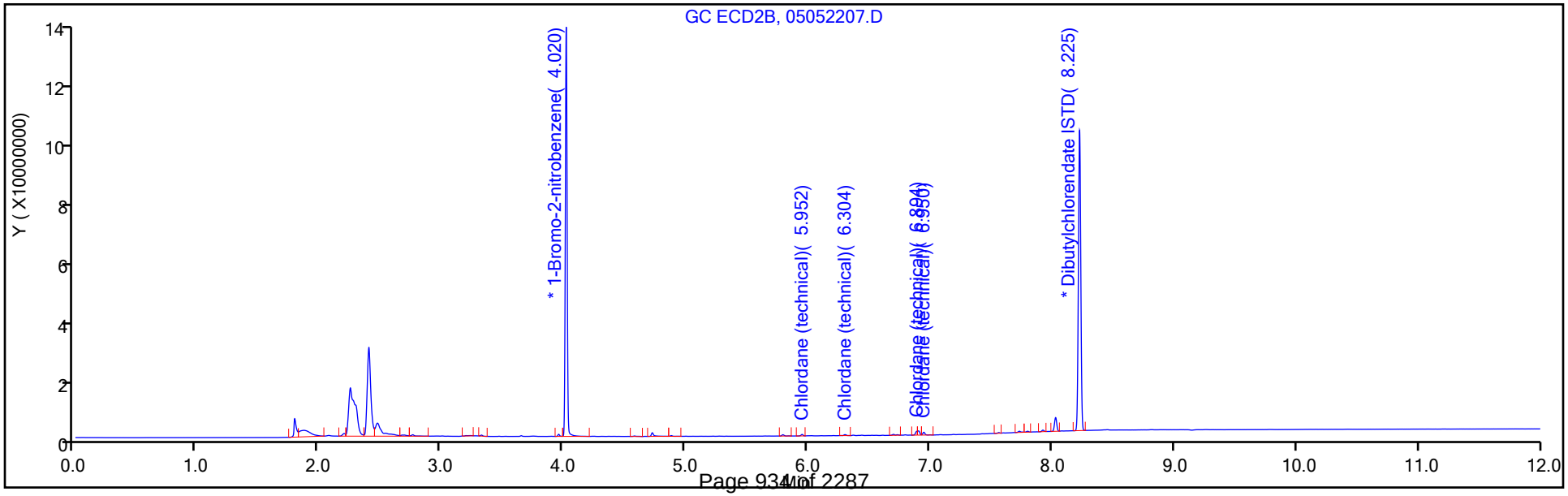
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D

Injection Date:	05-May-2022 11:13:19	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D

Injection Date: 05-May-2022 11:13:19 Instrument ID: CHGC17

Lims ID: IC

Client ID:

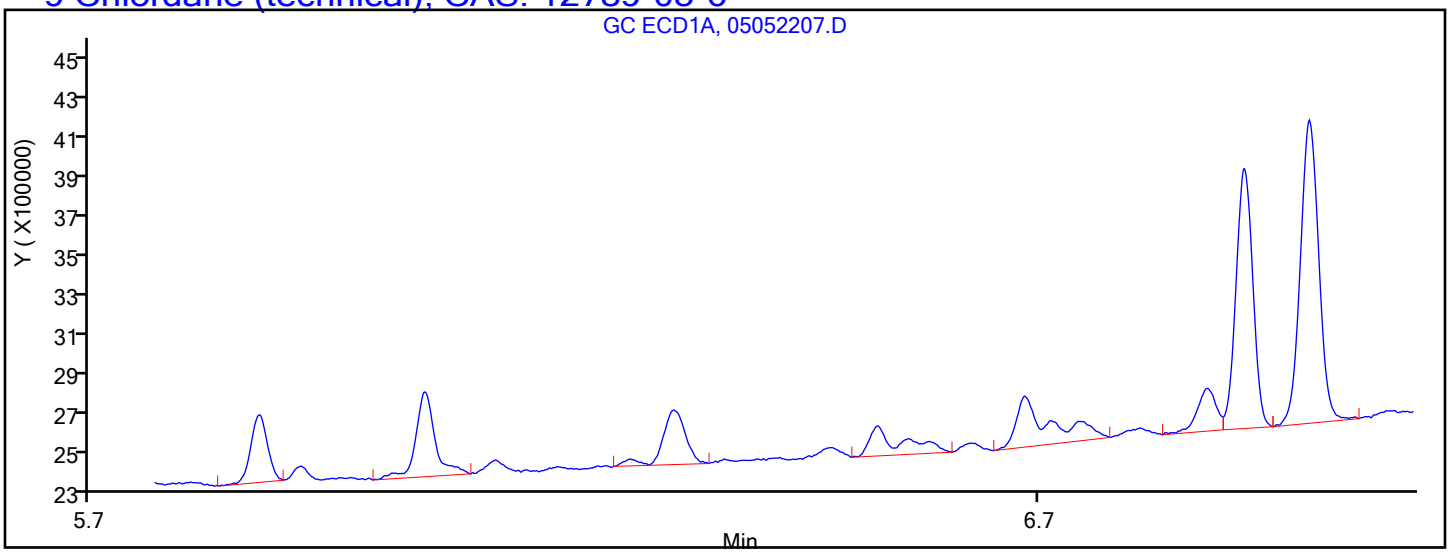
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

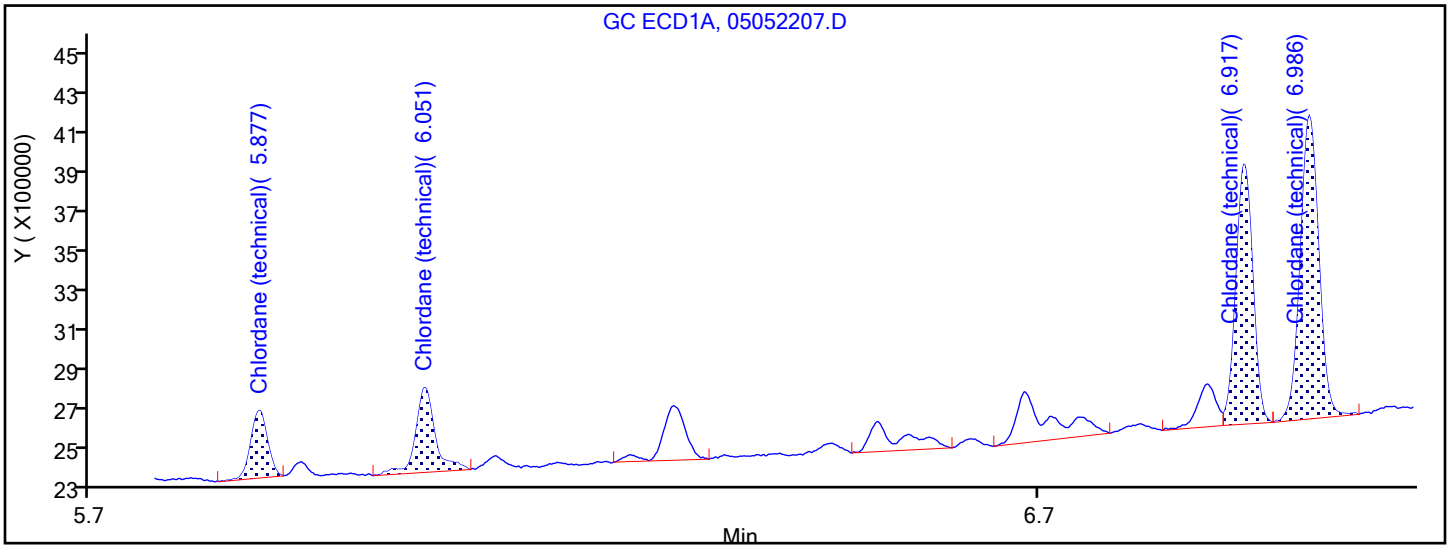
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-1 (0.53 mm) Detector GC ECD1A

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results



Manual Integration Results

5.877	Response = 342838	M
6.051	Response = 430186	M
6.917	Response = 1319228	M
6.986	Response = 1539661	M

Reviewer: eppinged, 05-May-2022 11:27:43

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052208.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 11:29:09 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-008
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:17 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:03:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	146763028H	0.1000	0.1000	
2	4.017	4.017	0.000	163668446H	0.1000	0.1000	
9 Chlordane (technical)							M
1	5.872	5.876	-0.004	1619026H	0.0250	0.0215	
1	6.047	6.052	-0.005	2019817H	0.0250	0.0217	
1	6.913	6.918	-0.005	6285897H	0.0250	0.0216	
1	6.982	6.986	-0.004	6722710H	0.0250	0.0215	
		Average of Peak Amounts =				0.0216	
2	5.949	5.952	-0.003	2165003H	0.0250	0.0221	
2	6.301	6.305	-0.004	1458227H	0.0250	0.0233	
2	6.894	6.892	0.002	5885160H	0.0250	0.0222	M
2	6.946	6.950	-0.004	4088115H	0.0250	0.0222	
		Average of Peak Amounts =				0.0224	
						RPD = 3.87	
* 36 Dibutylchlorendate ISTD							
1	8.410	8.410	0.000	108322602H	0.1000	0.1000	
2	8.222	8.223	-0.001	119772039H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCCHLORLEVEL2_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

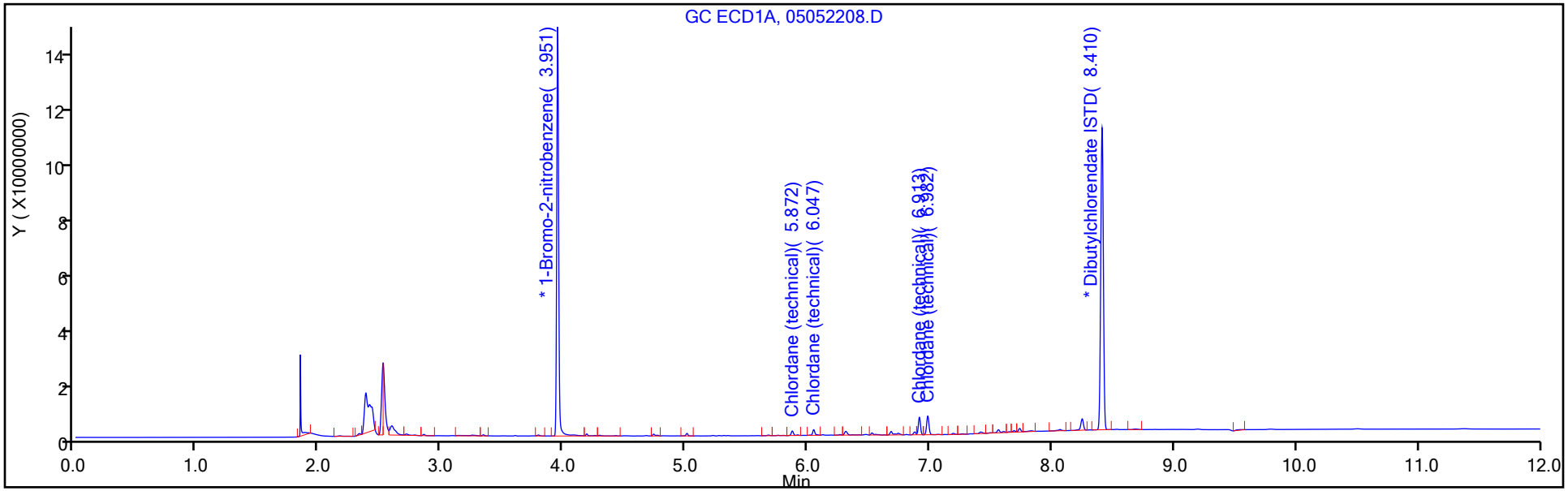
Report Date: 06-May-2022 06:32:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

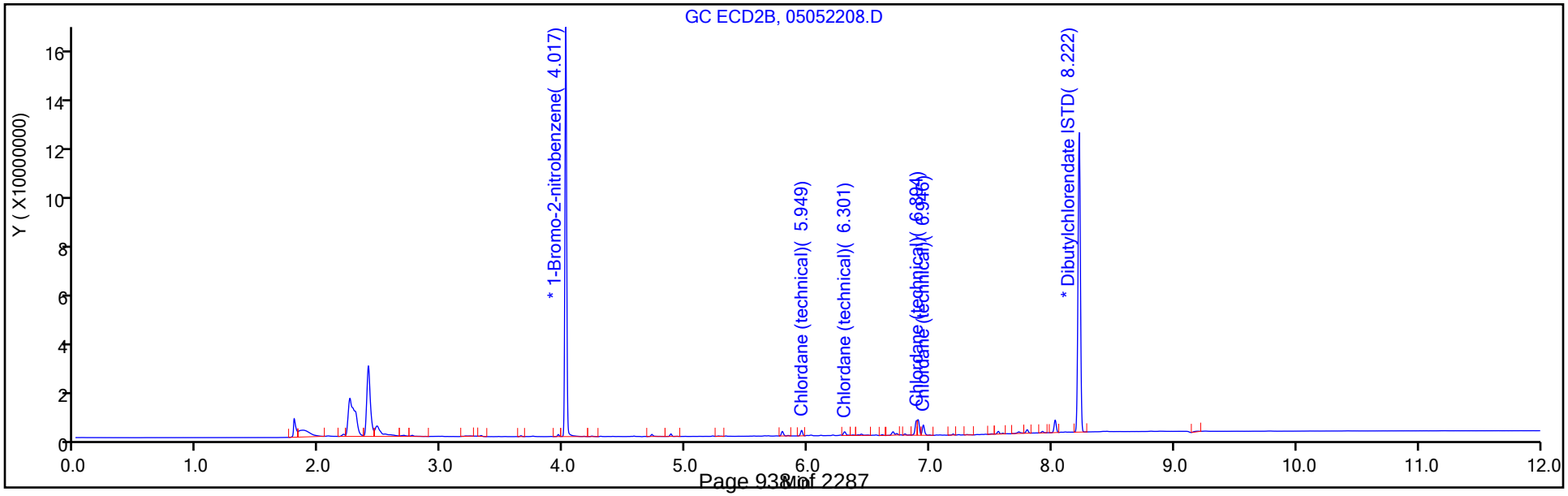
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052208.D

Injection Date:	05-May-2022 11:29:09	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052209.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-May-2022 11:45:07 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-009
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:19 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:23:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.954	0.000	141551096H	0.1000	0.1000	
2	4.020	4.020	0.000	154679884H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.876	5.876	0.000	22267519H	0.2500	0.3073	
1	6.052	6.052	0.000	27804762H	0.2500	0.3091	
1	6.918	6.918	0.000	86576478H	0.2500	0.3081	
1	6.986	6.986	0.000	87607330H	0.2500	0.2911	
		Average of Peak Amounts =				0.3039	
2	5.952	5.952	0.000	27713375H	0.2500	0.2996	
2	6.305	6.305	0.000	18193417H	0.2500	0.3072	
2	6.892	6.892	0.000	74117103H	0.2500	0.2956	M
2	6.950	6.950	0.000	52754336H	0.2500	0.3026	
		Average of Peak Amounts =				0.3013	
						RPD = 0.87	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.415	0.000	103781941H	0.1000	0.1000	
2	8.226	8.226	0.000	115229698H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL3_00030	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

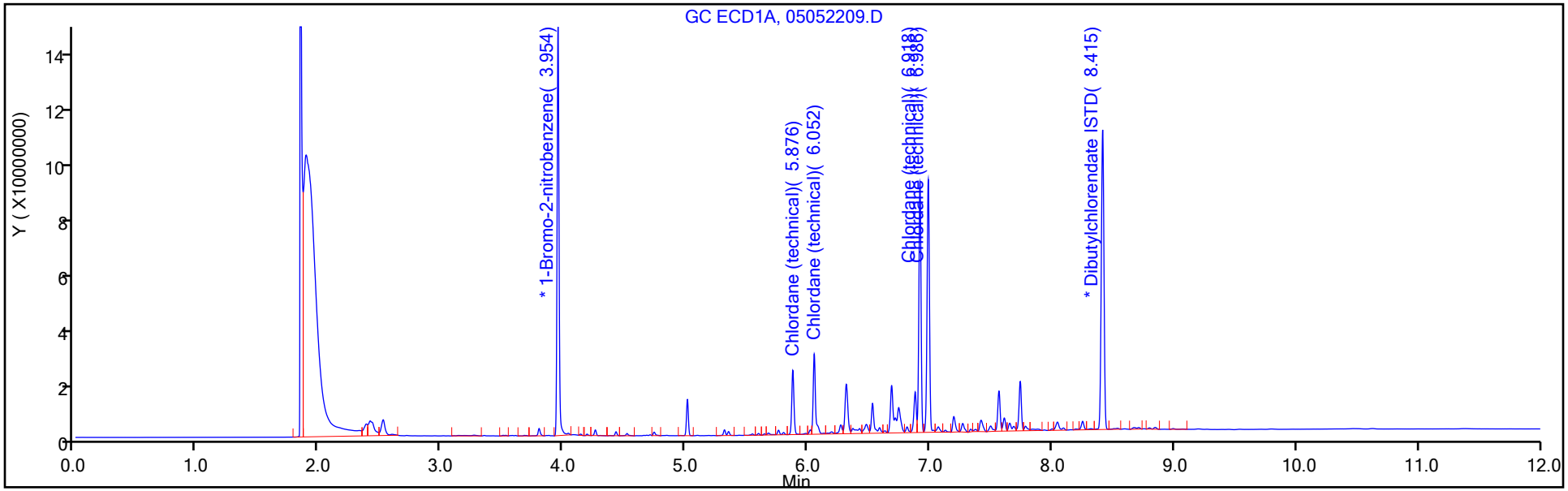
Report Date: 06-May-2022 06:32:19 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

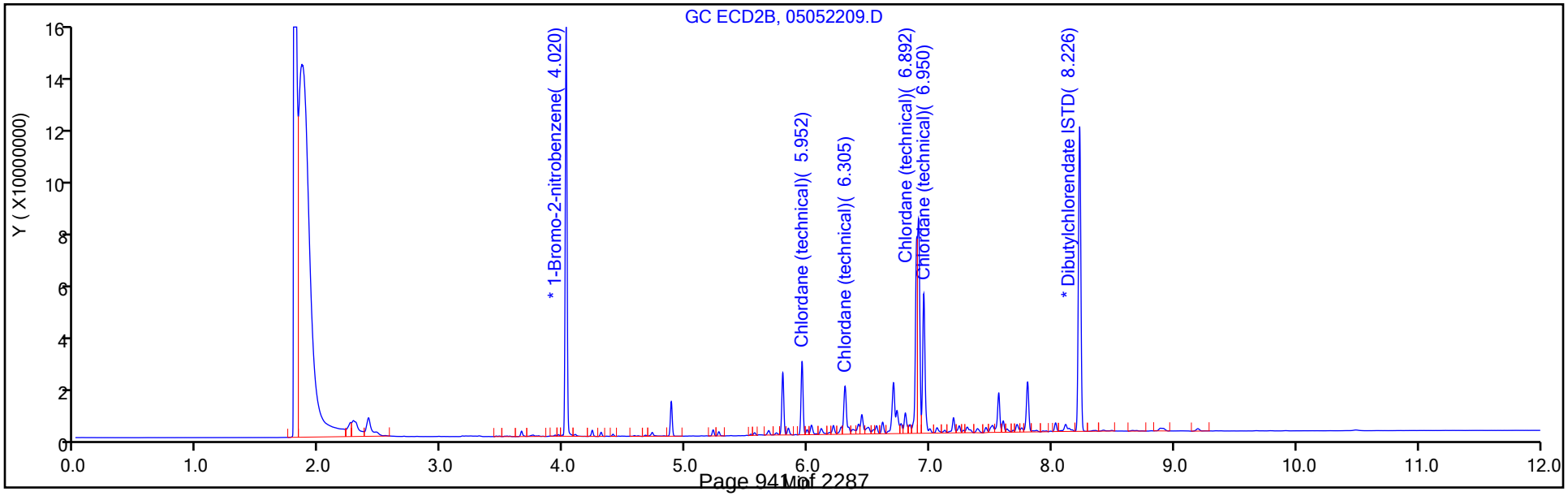
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052209.D

Injection Date:	05-May-2022 11:45:07	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052210.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 12:00:57 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-010
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:21 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:31:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.955	3.951	0.003	155575204H	0.1000	0.1000	
2	4.020	4.017	0.003	164435277H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.877	5.876	0.001	77913306H	1.25	0.9782	
1	6.052	6.052	0.000	95940026H	1.25	0.9705	
1	6.918	6.918	0.000	300066261H	1.25	0.9715	
1	6.986	6.986	0.000	313378638H	1.25	0.9475	
		Average of Peak Amounts =				0.9669	
2	5.953	5.952	0.001	94821334H	1.25	0.9643	
2	6.305	6.305	0.000	59594469H	1.25	0.9464	
2	6.893	6.892	0.001	247890191H	1.25	0.9300	M
2	6.950	6.950	0.000	174853952H	1.25	0.9436	
		Average of Peak Amounts =				0.9461	
						RPD = 2.18	
* 36 Dibutylchlorendate ISTD							
1	8.413	8.410	0.003	112731190H	0.1000	0.1000	
2	8.227	8.223	0.004	124668852H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL4_00017	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

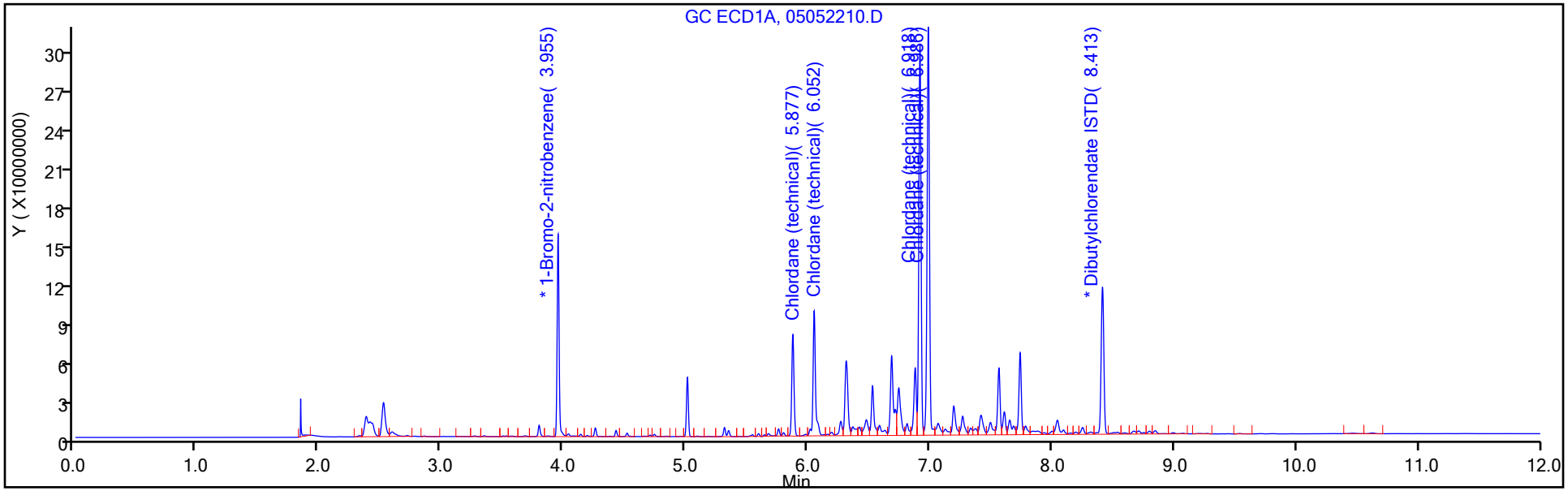
Report Date: 06-May-2022 06:32:21 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

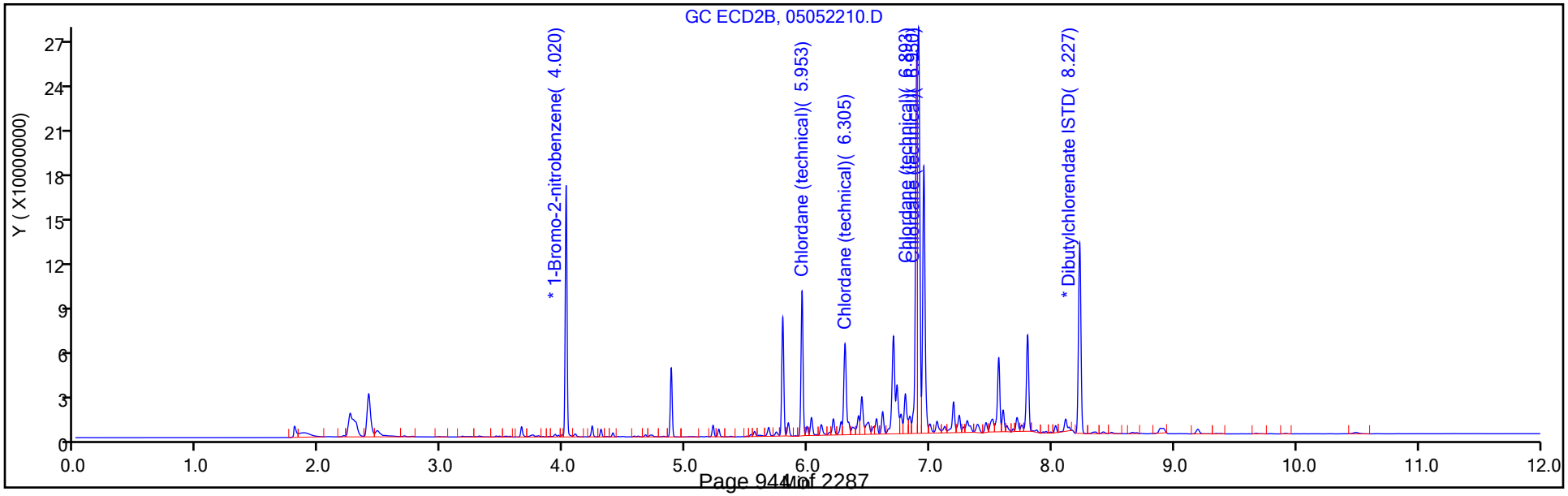
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052210.D

Injection Date:	05-May-2022 12:00:57	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052211.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 12:16:49 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-011
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:23 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 13:12:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	146612587H	0.1000	0.1000	
2	4.017	4.017	0.000	156133855H	0.1000	0.1000	
9 Chlordane (technical)							
1	5.873	5.876	-0.003	188393081H	2.50	2.51	
1	6.049	6.052	-0.003	229641901H	2.50	2.46	
1	6.914	6.918	-0.004	737689747H	2.50	2.53	
1	6.983	6.986	-0.003	780385461H	2.50	2.50	
		Average of Peak Amounts =				2.50	
2	5.949	5.952	-0.003	218701240H	2.50	2.34	
2	6.301	6.305	-0.004	136805368H	2.50	2.29	
2	6.902	6.892	0.010	634808043H	2.50	2.51	
2	6.945	6.950	-0.005	409745595H	2.50	2.33	
		Average of Peak Amounts =				2.37	
						RPD = 5.60	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	0.000	113860071H	0.1000	0.1000	
2	8.221	8.223	-0.002	122696851H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCCHLORLEVEL5_00017	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

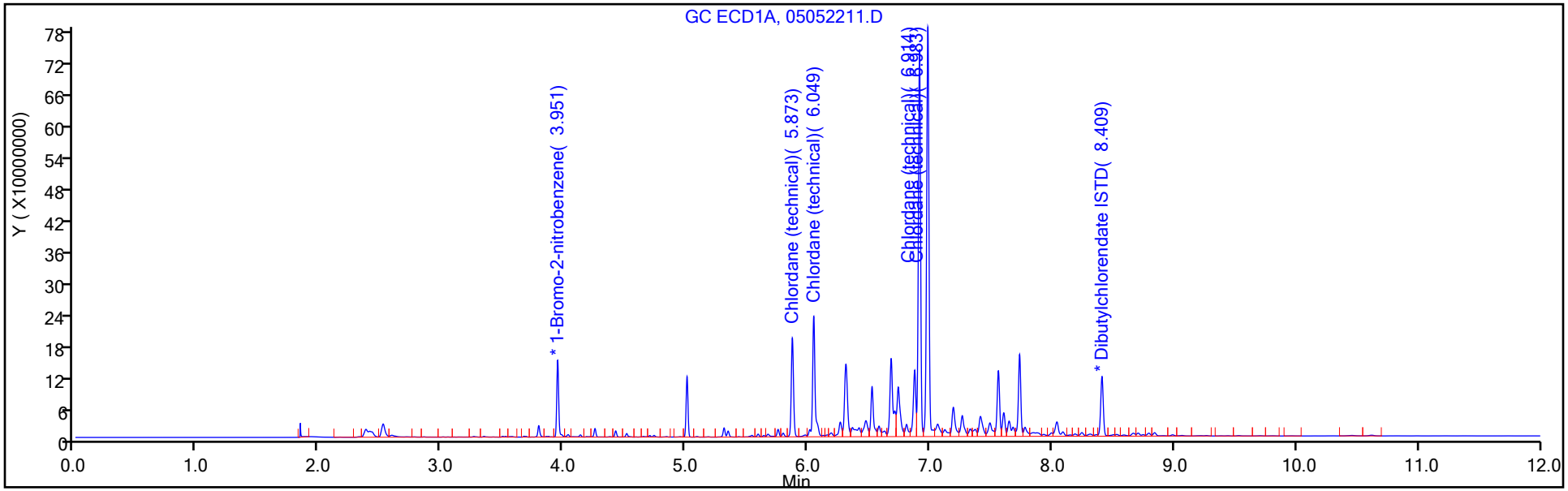
Report Date: 06-May-2022 06:32:23 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

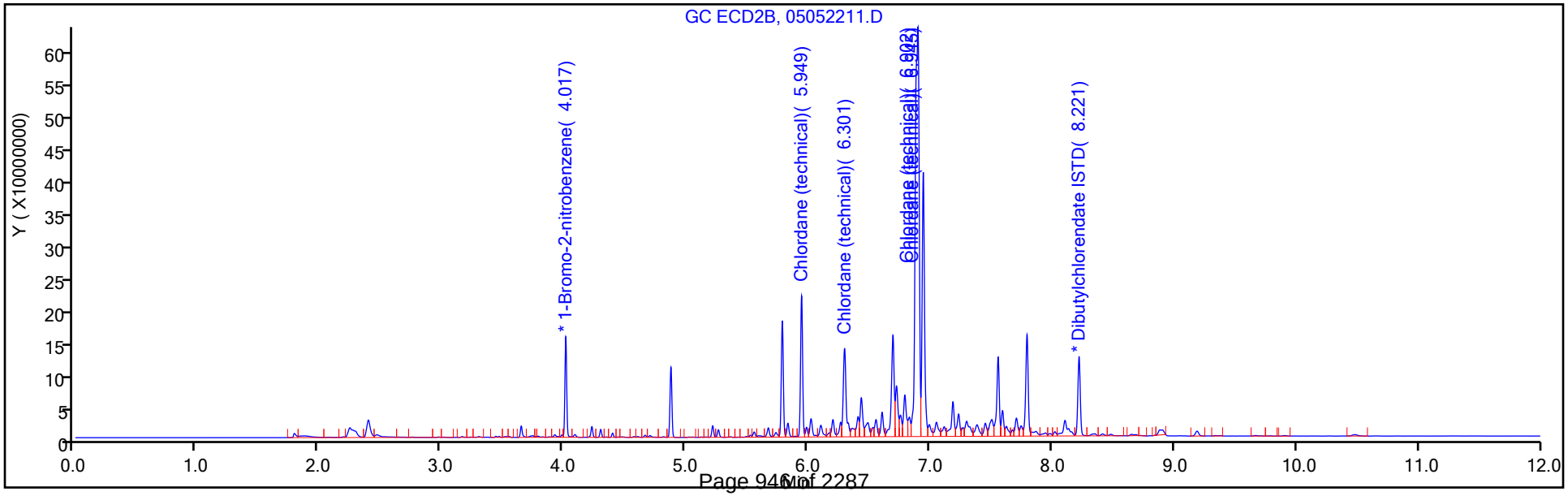
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052211.D

Injection Date:	05-May-2022 12:16:49	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Chlordane (technical) Peak 1

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

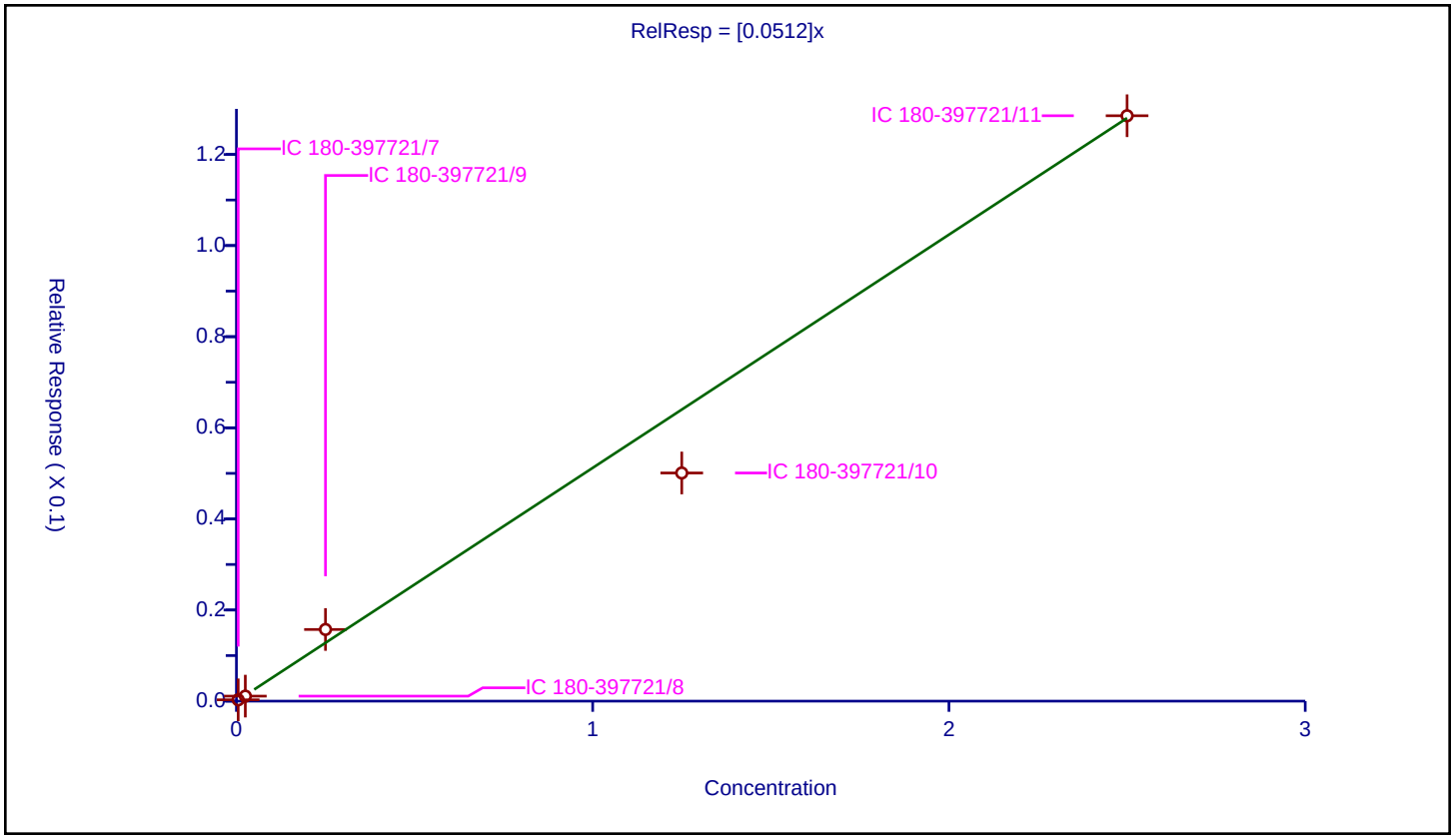
Curve Coefficients

Intercept:	0
Slope:	0.0512

Error Coefficients

Standard Error:	103000000
Relative Standard Error:	18.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000287	0.1	119301605.0	0.057474	Y
2	IC 180-397721/8	0.025	0.001103	0.1	146763028.0	0.044126	Y
3	IC 180-397721/9	0.25	0.015731	0.1	141551096.0	0.062924	Y
4	IC 180-397721/10	1.25	0.050081	0.1	155575204.0	0.040065	Y
5	IC 180-397721/11	2.5	0.128497	0.1	146612587.0	0.051399	Y



Calibration / Chlordane (technical) Peak 2

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

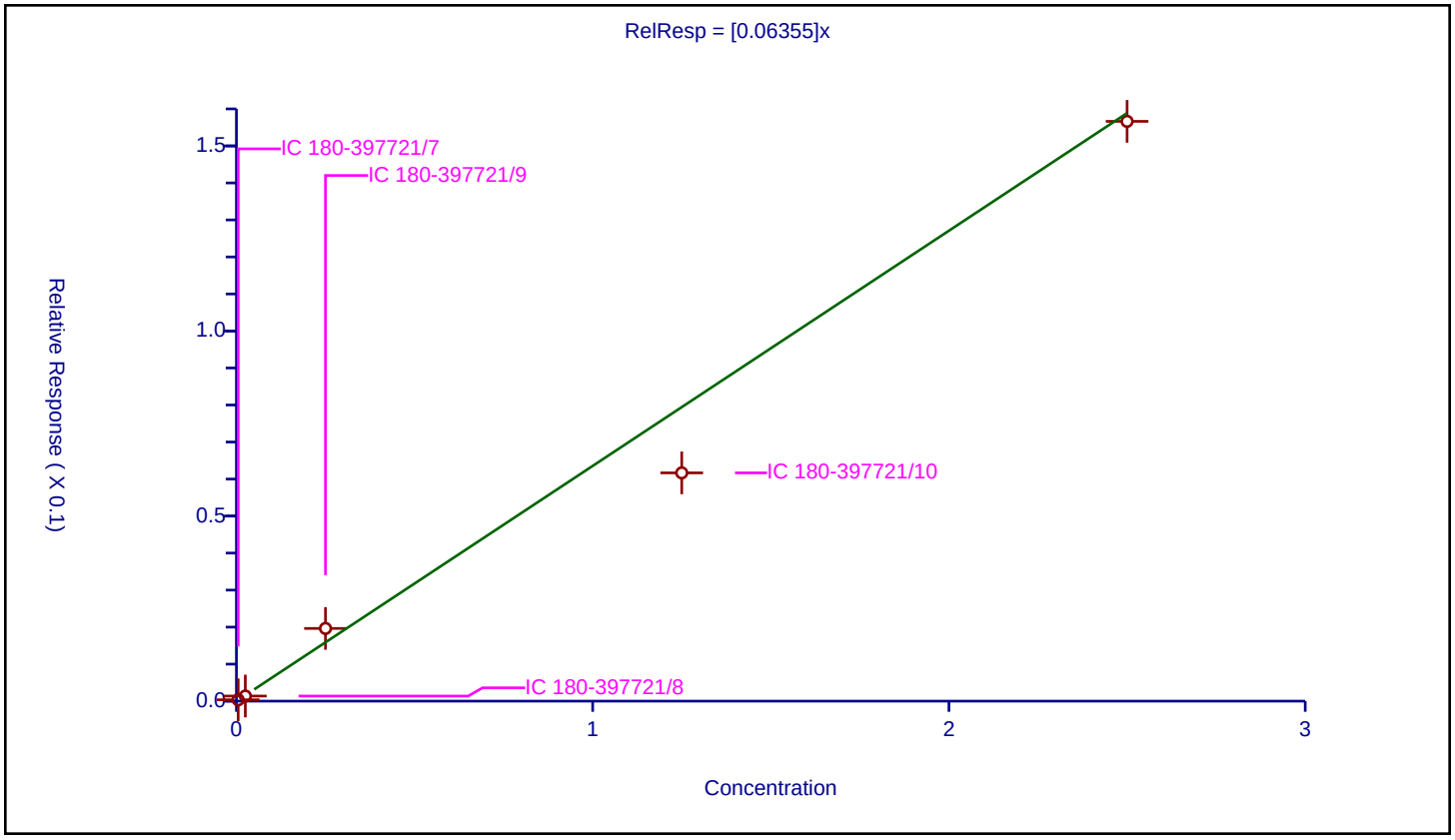
Curve Coefficients

Intercept:	0
Slope:	0.06355

Error Coefficients

Standard Error:	125000000
Relative Standard Error:	18.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000361	0.1	119301605.0	0.072117	Y
2	IC 180-397721/8	0.025	0.001376	0.1	146763028.0	0.05505	Y
3	IC 180-397721/9	0.25	0.019643	0.1	141551096.0	0.078572	Y
4	IC 180-397721/10	1.25	0.061668	0.1	155575204.0	0.049334	Y
5	IC 180-397721/11	2.5	0.156632	0.1	146612587.0	0.062653	Y



Calibration / Chlordane (technical) Peak 3

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

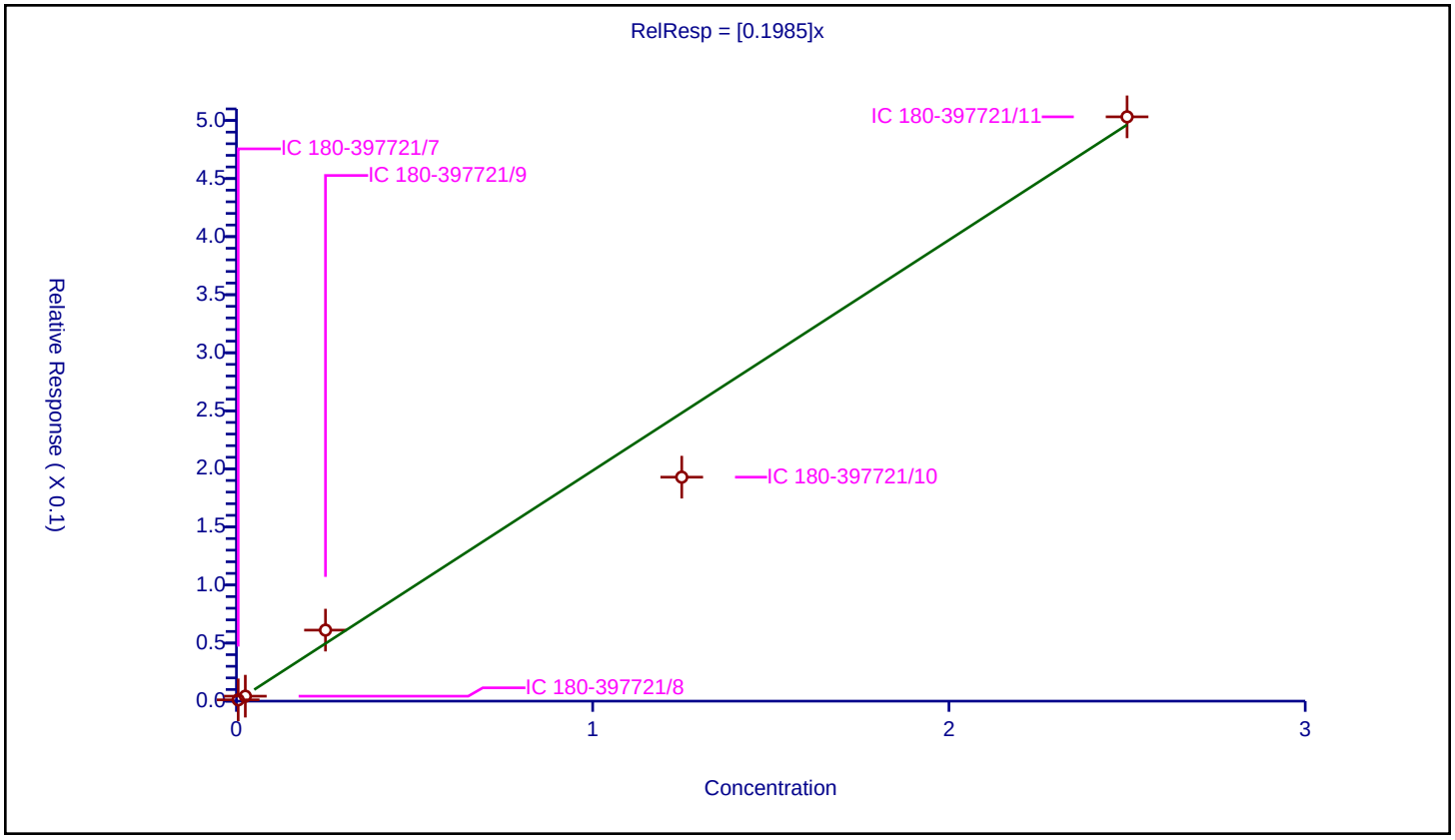
Curve Coefficients

Intercept:	0
Slope:	0.1985

Error Coefficients

Standard Error:	401000000
Relative Standard Error:	18.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.001106	0.1	119301605.0	0.221158	Y
2	IC 180-397721/8	0.025	0.004283	0.1	146763028.0	0.171321	Y
3	IC 180-397721/9	0.25	0.061163	0.1	141551096.0	0.244651	Y
4	IC 180-397721/10	1.25	0.192875	0.1	155575204.0	0.1543	Y
5	IC 180-397721/11	2.5	0.503156	0.1	146612587.0	0.201262	Y



Calibration / Chlordane (technical) Peak 4

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

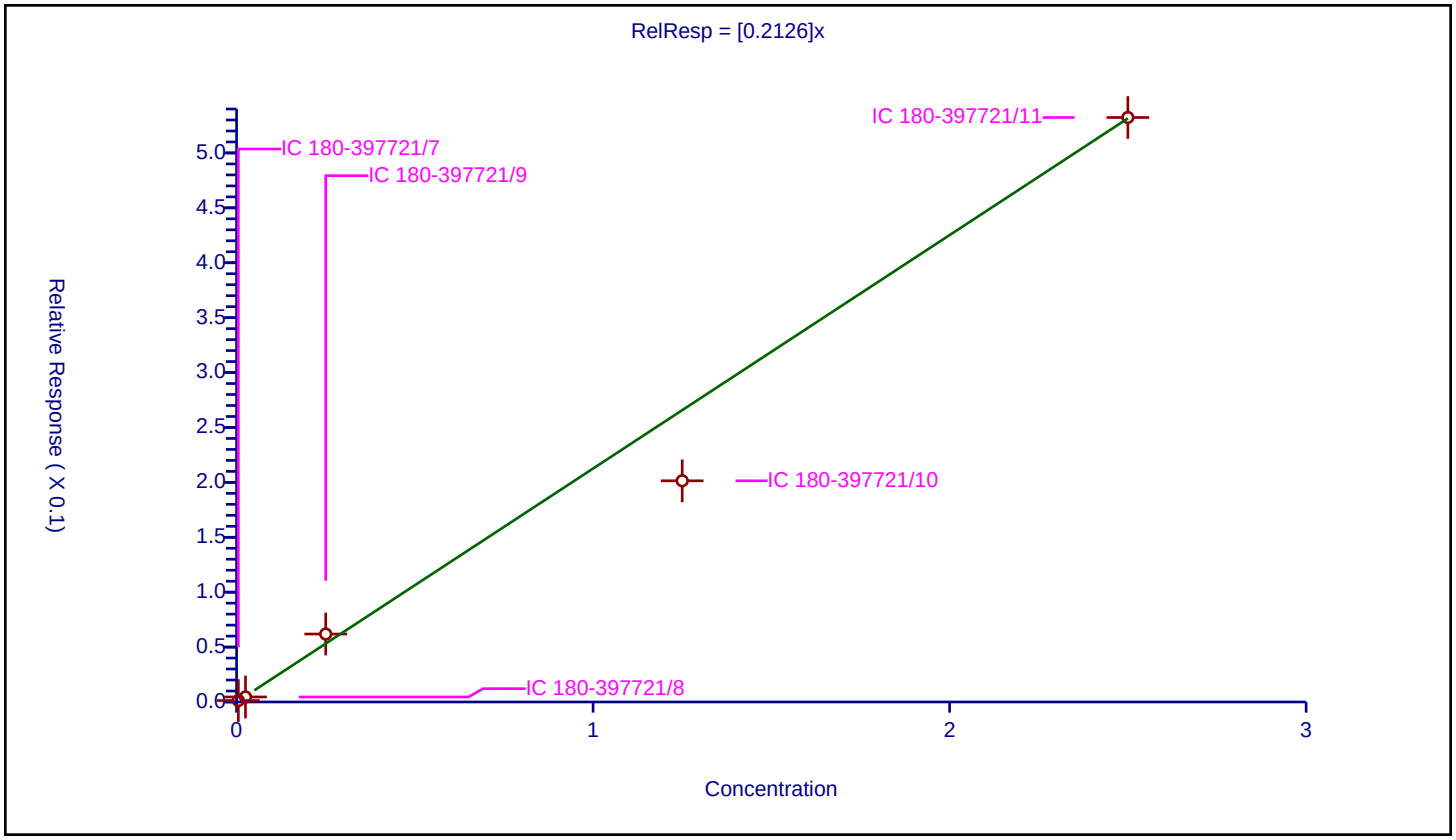
Curve Coefficients

Intercept:	0
Slope:	0.2126

Error Coefficients

Standard Error:	423000000
Relative Standard Error:	19.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.001291	0.1	119301605.0	0.258112	Y
2	IC 180-397721/8	0.025	0.004581	0.1	146763028.0	0.183226	Y
3	IC 180-397721/9	0.25	0.061891	0.1	141551096.0	0.247564	Y
4	IC 180-397721/10	1.25	0.201432	0.1	155575204.0	0.161146	Y
5	IC 180-397721/11	2.5	0.532277	0.1	146612587.0	0.212911	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48393

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlordane (technical) Peak 1	0.0723	0.0529	0.0717	0.0461	0.0560	Ave		0.0598				19.5		20.0			
Chlordane (technical) Peak 2	0.0447	0.0356	0.0470	0.0290	0.0350	Ave		0.0383				19.5		20.0			
Chlordane (technical) Peak 3	0.1917	0.1438	0.1917	0.1206	0.1626	Ave		0.1621				19.0		20.0			
Chlordane (technical) Peak 4	0.1371	0.0999	0.1364	0.0851	0.1050	Ave		0.1127				20.5	*	20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48393

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	BNB	Ave	470786	2165003	27713375	94821334	218701240	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 2	BNB	Ave	291495	1458227	18193417	59594469	136805368	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 3	BNB	Ave	1249270	5885160	74117103	247890191	634808043	0.00500	0.0250	0.250	1.25	2.50
Chlordane (technical) Peak 4	BNB	Ave	893239	4088115	52754336	174853952	409745595	0.00500	0.0250	0.250	1.25	2.50

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 11:13 Calibration End Date: 05/05/2022 12:16 Calibration ID: 48393

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/7	05052207.D
Level 2	IC 180-397721/8	05052208.D
Level 3	IC 180-397721/9	05052209.D
Level 4	IC 180-397721/10	05052210.D
Level 5	IC 180-397721/11	05052211.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
Chlordane (technical) Peak 1	20.8	-11.5	19.8	-22.9	-6.3		50	30	30	30	30	
Chlordane (technical) Peak 2	16.8	-6.9	22.9	-24.3	-8.5		50	30	30	30	30	
Chlordane (technical) Peak 3	18.3	-11.3	18.2	-25.6	0.3		50	30	30	30	30	
Chlordane (technical) Peak 4	21.7	-11.3	21.1	-24.5	-6.9		50	30	30	30	30	

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 11:13:19 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-007
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:15 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 11:47:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.002	119301605H	0.1000	0.1000	
2	4.020	4.017	0.003	130306647H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.877	5.876	0.001	342838H	0.005000	0.005613	a
1	6.051	6.052	-0.001	430186H	0.005000	0.005674	a
1	6.917	6.918	-0.001	1319228H	0.005000	0.005570	a
1	6.986	6.986	0.000	1539661H	0.005000	0.006071	a
		Average of Peak Amounts =				0.005732	
2	5.952	5.952	0.000	470786H	0.005000	0.006042	a
2	6.304	6.305	-0.001	291495H	0.005000	0.005842	a
2	6.894	6.892	0.002	1249270H	0.005000	0.005915	M
2	6.950	6.950	0.000	893239H	0.005000	0.006083	a
		Average of Peak Amounts =				0.005970	
						RPD = 4.07	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	86287681H	0.1000	0.1000	
2	8.225	8.223	0.002	95609439H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL1_00018	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

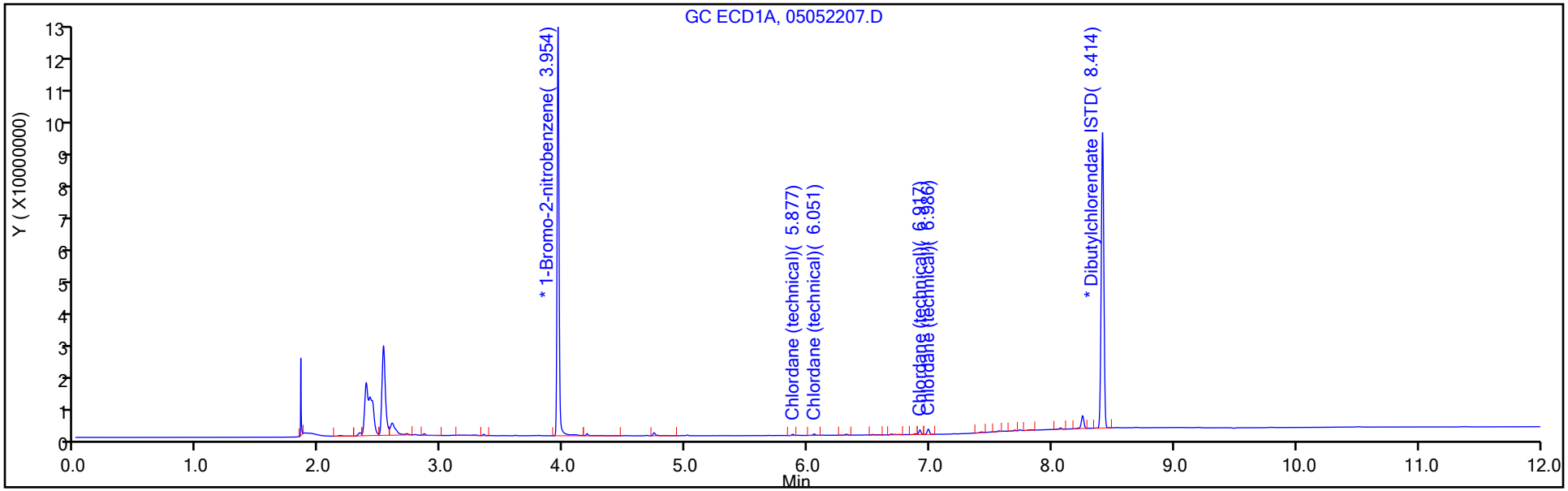
Report Date: 06-May-2022 06:32:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

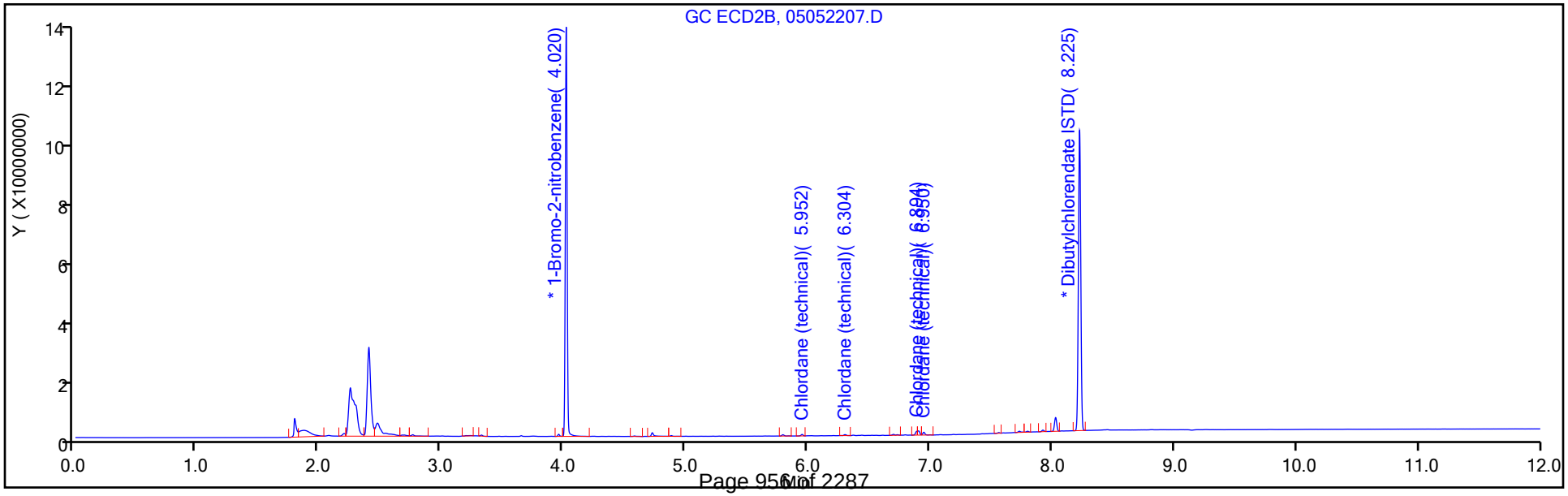
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D

Injection Date:	05-May-2022 11:13:19	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:15 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052207.D

Injection Date: 05-May-2022 11:13:19 Instrument ID: CHGC17

Lims ID: IC

Client ID:

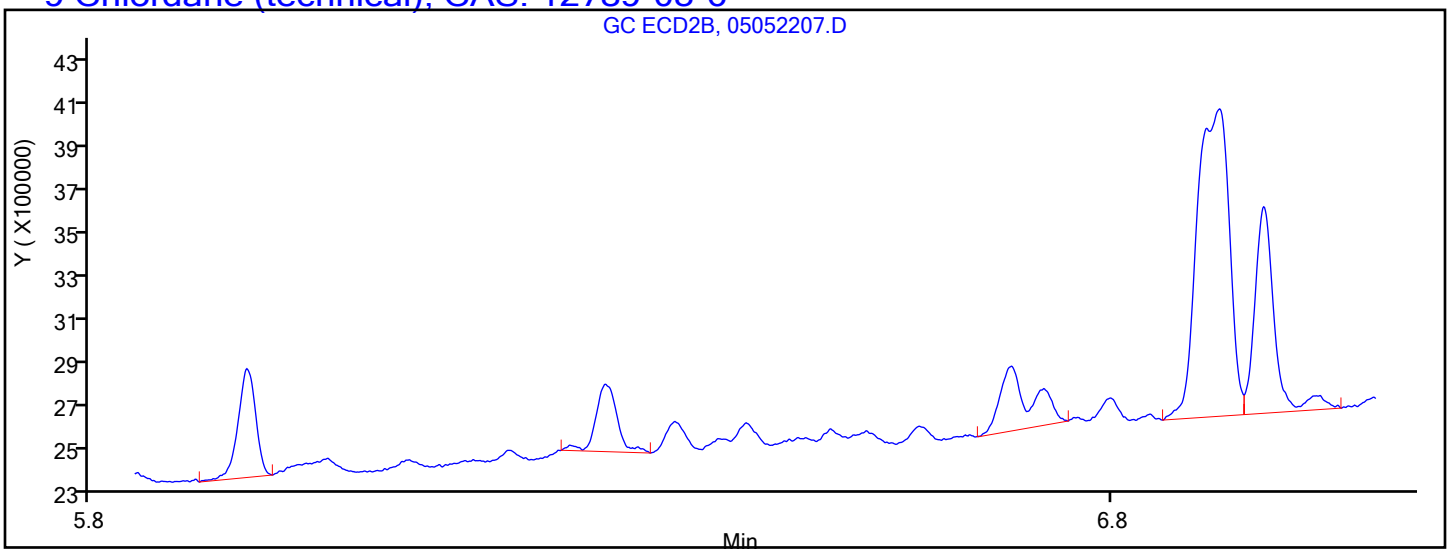
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

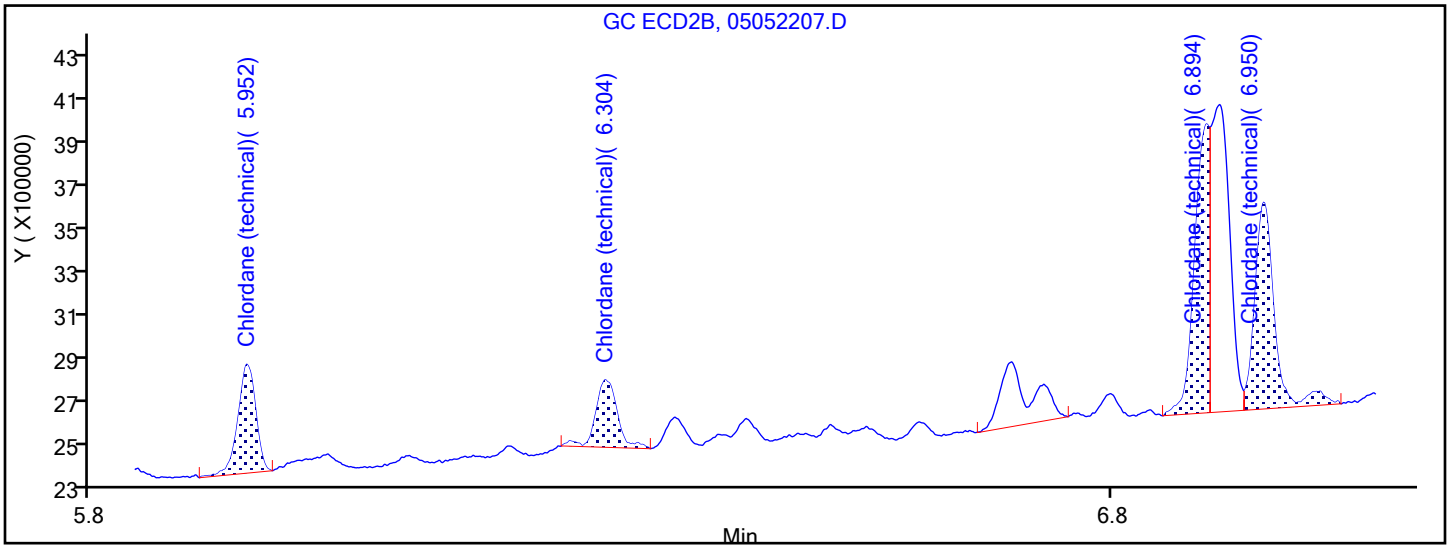
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-2 (0.53 mm) Detector GC ECD2B

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results



Manual Integration Results

5.952	Response = 470786	M
6.304	Response = 291495	M
6.894	Response = 1249270	M
6.950	Response = 893239	M

Reviewer: eppinged, 05-May-2022 11:28:09

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052208.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 11:29:09 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-008
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:17 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:03:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	146763028H	0.1000	0.1000	
2	4.017	4.017	0.000	163668446H	0.1000	0.1000	
9 Chlordane (technical)							M
1	5.872	5.876	-0.004	1619026H	0.0250	0.0215	
1	6.047	6.052	-0.005	2019817H	0.0250	0.0217	
1	6.913	6.918	-0.005	6285897H	0.0250	0.0216	
1	6.982	6.986	-0.004	6722710H	0.0250	0.0215	
		Average of Peak Amounts =				0.0216	
2	5.949	5.952	-0.003	2165003H	0.0250	0.0221	
2	6.301	6.305	-0.004	1458227H	0.0250	0.0233	
2	6.894	6.892	0.002	5885160H	0.0250	0.0222	M
2	6.946	6.950	-0.004	4088115H	0.0250	0.0222	
		Average of Peak Amounts =				0.0224	
						RPD = 3.87	
* 36 Dibutylchlorendate ISTD							
1	8.410	8.410	0.000	108322602H	0.1000	0.1000	
2	8.222	8.223	-0.001	119772039H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCCHLORLEVEL2_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

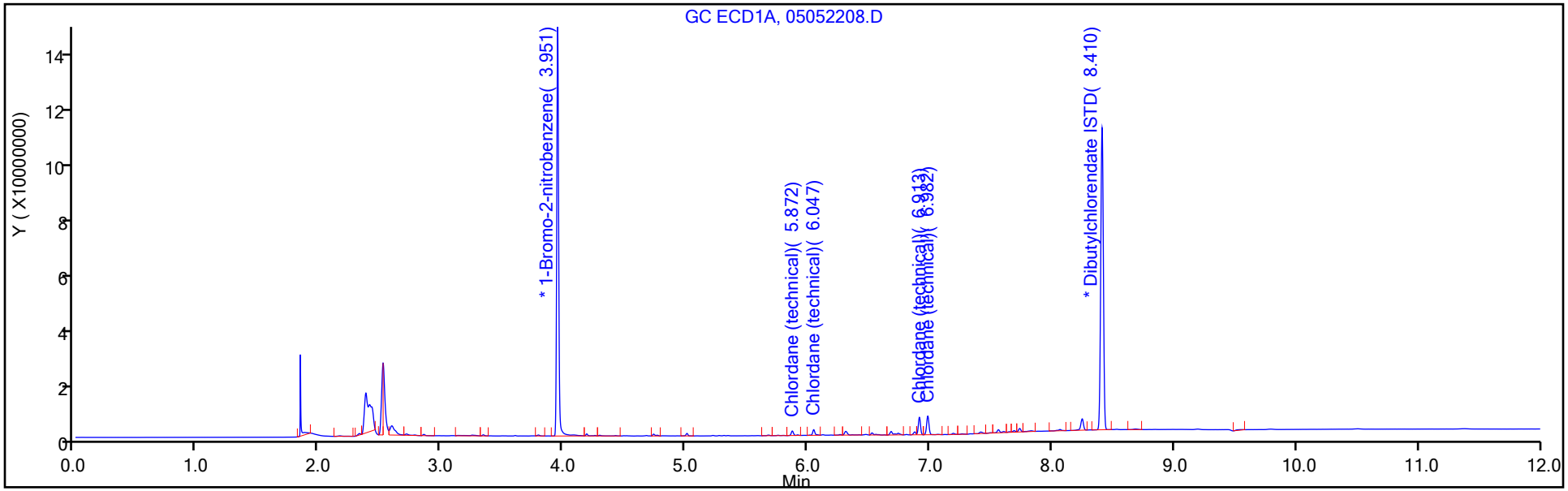
Report Date: 06-May-2022 06:32:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

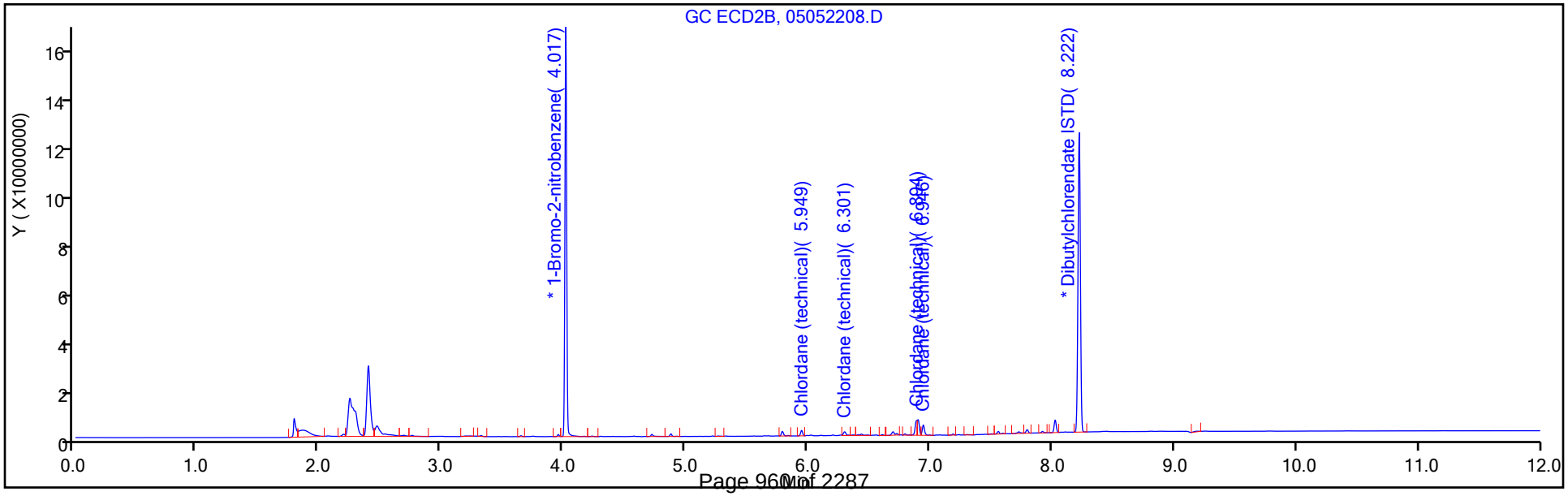
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052208.D

Injection Date:	05-May-2022 11:29:09	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



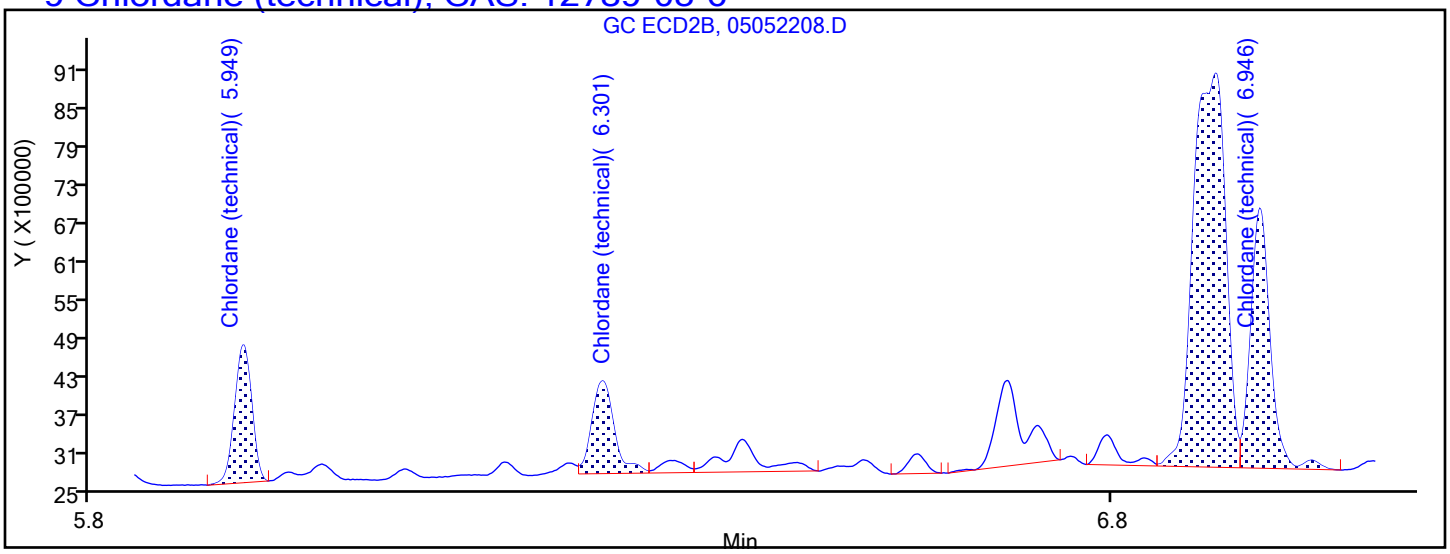
Report Date: 06-May-2022 06:32:17 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052208.D

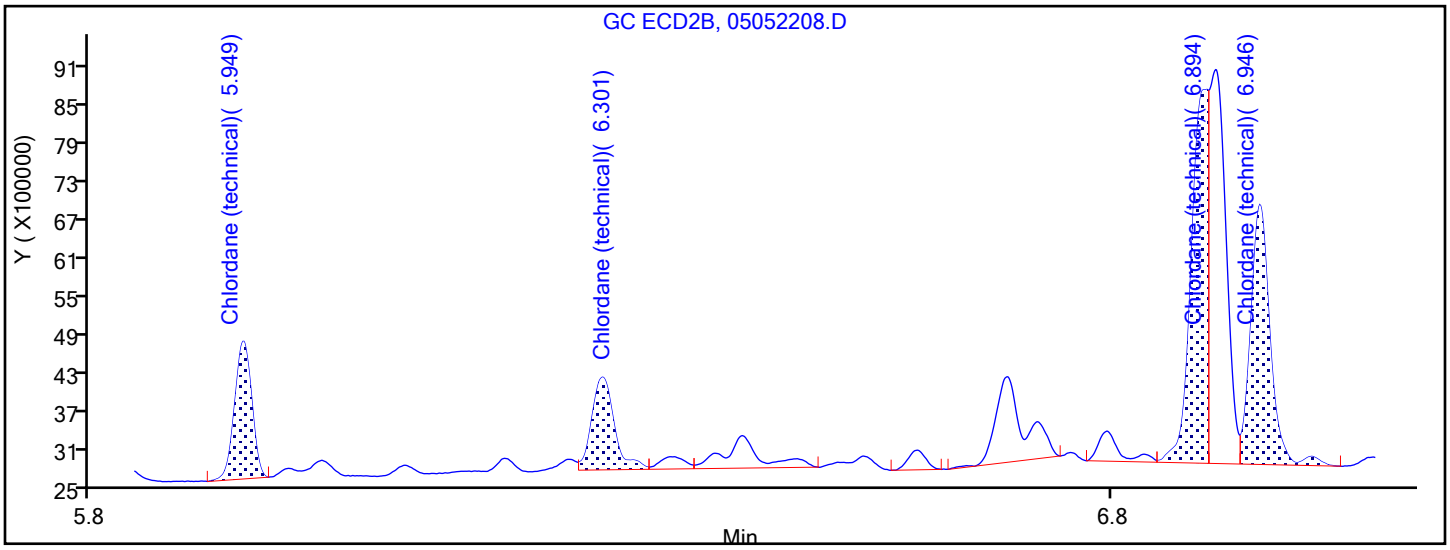
Injection Date:	05-May-2022 11:29:09	Instrument ID:	CHGC17		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

5.949	Response = 2165003
6.301	Response = 1458227
6.902	Response = 6200133
6.946	Response = 4088115



Manual Integration Results

5.949	Response = 2165003	
6.301	Response = 1458227	
6.894	Response = 5885160	M
6.946	Response = 4088115	

Reviewer: eppinged, 05-May-2022 11:59:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052209.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-May-2022 11:45:07 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-009
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:19 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:23:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.954	0.000	141551096H	0.1000	0.1000	
2	4.020	4.020	0.000	154679884H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.876	5.876	0.000	22267519H	0.2500	0.3073	
1	6.052	6.052	0.000	27804762H	0.2500	0.3091	
1	6.918	6.918	0.000	86576478H	0.2500	0.3081	
1	6.986	6.986	0.000	87607330H	0.2500	0.2911	
		Average of Peak Amounts =				0.3039	
2	5.952	5.952	0.000	27713375H	0.2500	0.2996	
2	6.305	6.305	0.000	18193417H	0.2500	0.3072	
2	6.892	6.892	0.000	74117103H	0.2500	0.2956	M
2	6.950	6.950	0.000	52754336H	0.2500	0.3026	
		Average of Peak Amounts =				0.3013	
						RPD = 0.87	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.415	0.000	103781941H	0.1000	0.1000	
2	8.226	8.226	0.000	115229698H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL3_00030	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

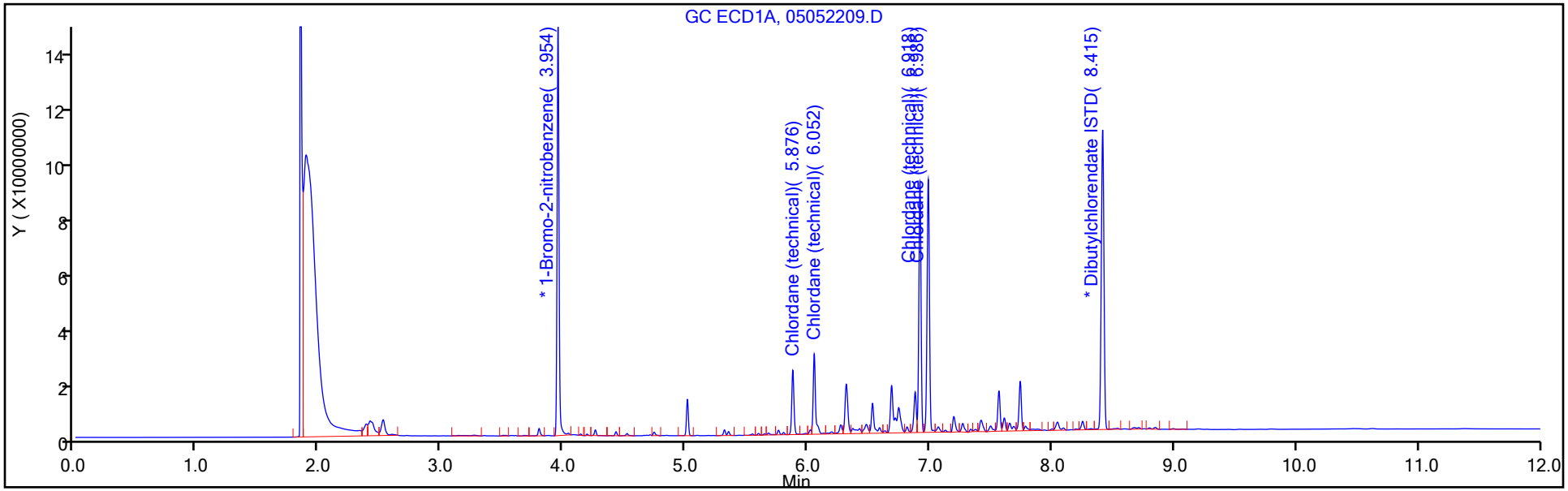
Report Date: 06-May-2022 06:32:19 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

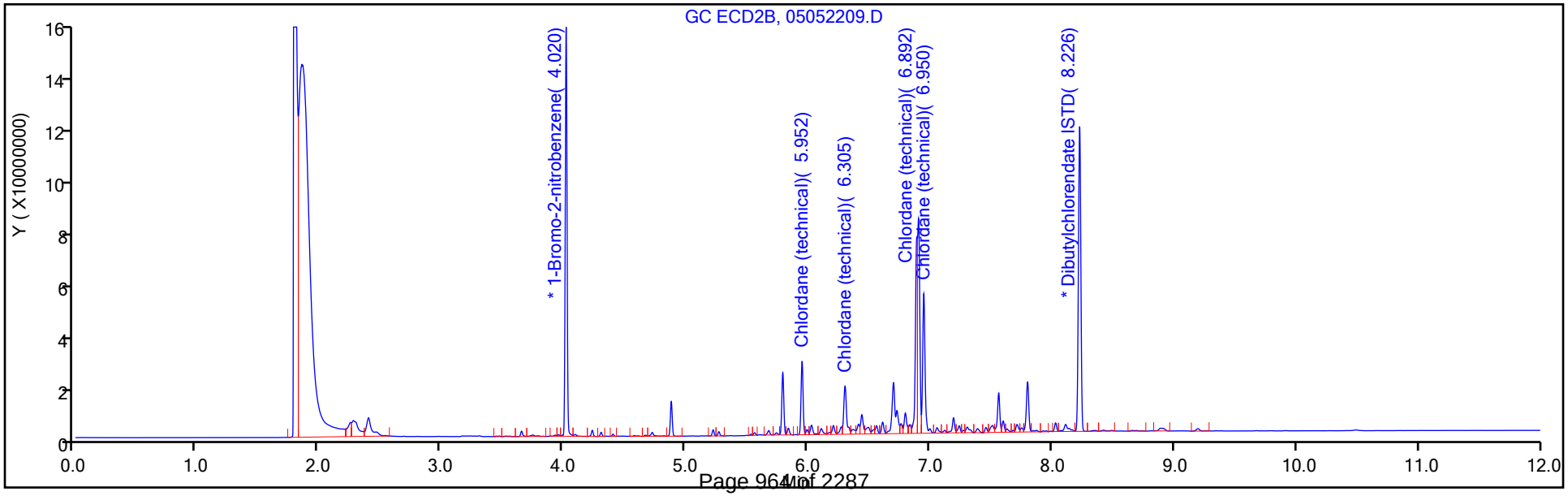
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052209.D

Injection Date:	05-May-2022 11:45:07	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:19 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052209.D

Injection Date: 05-May-2022 11:45:07 Instrument ID: CHGC17

Lims ID: IC

Client ID:

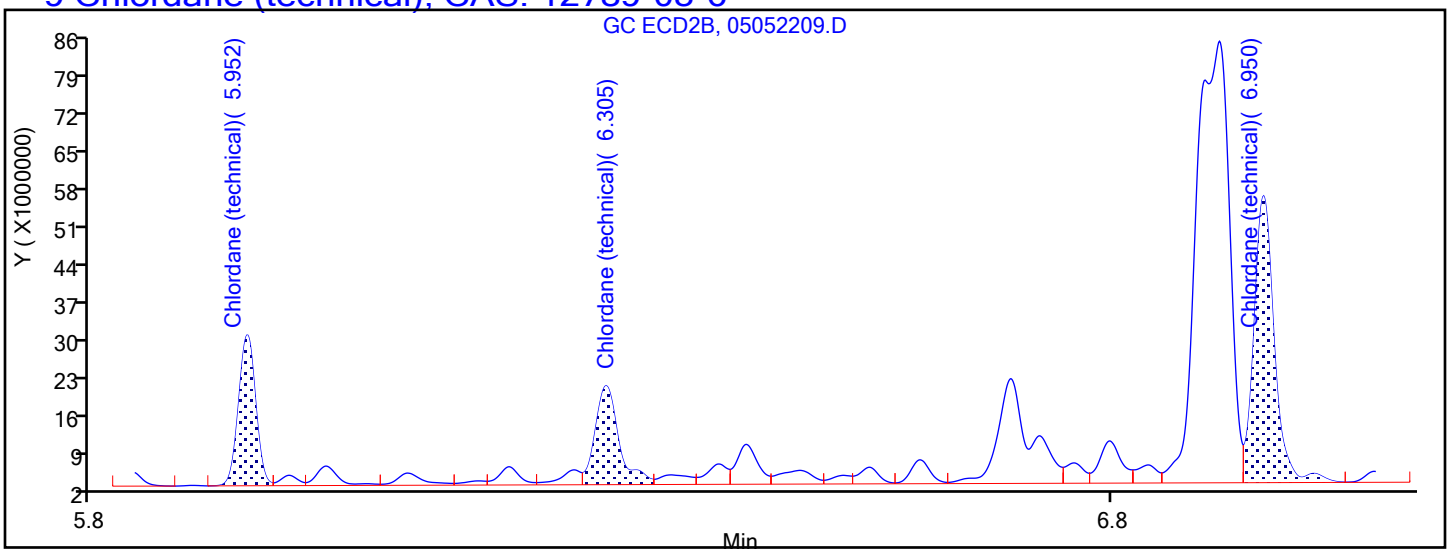
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

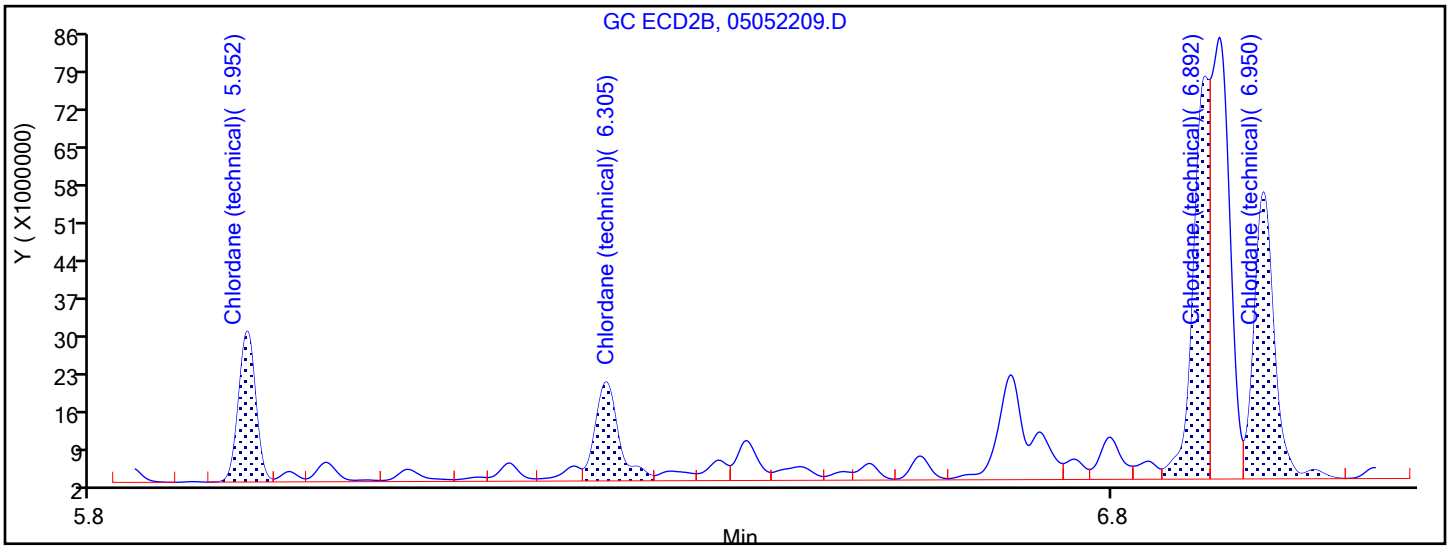
Column: MR-2 (0.53 mm) Detector GC ECD2B

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

5.952	Response = 27713375
6.305	Response = 18193417
6.892	Response = 0
6.950	Response = 52754336



Manual Integration Results

5.952	Response = 27713375	
6.305	Response = 18193417	
6.892	Response = 74117103	M
6.950	Response = 52754336	

Reviewer: eppinged, 05-May-2022 12:03:51

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052210.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 12:00:57 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-010
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:21 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 12:31:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.955	3.951	0.003	155575204H	0.1000	0.1000	
2	4.020	4.017	0.003	164435277H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.877	5.876	0.001	77913306H	1.25	0.9782	
1	6.052	6.052	0.000	95940026H	1.25	0.9705	
1	6.918	6.918	0.000	300066261H	1.25	0.9715	
1	6.986	6.986	0.000	313378638H	1.25	0.9475	
		Average of Peak Amounts =				0.9669	
2	5.953	5.952	0.001	94821334H	1.25	0.9643	
2	6.305	6.305	0.000	59594469H	1.25	0.9464	
2	6.893	6.892	0.001	247890191H	1.25	0.9300	M
2	6.950	6.950	0.000	174853952H	1.25	0.9436	
		Average of Peak Amounts =				0.9461	
						RPD = 2.18	
* 36 Dibutylchlorendate ISTD							
1	8.413	8.410	0.003	112731190H	0.1000	0.1000	
2	8.227	8.223	0.004	124668852H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORLEVEL4_00017	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

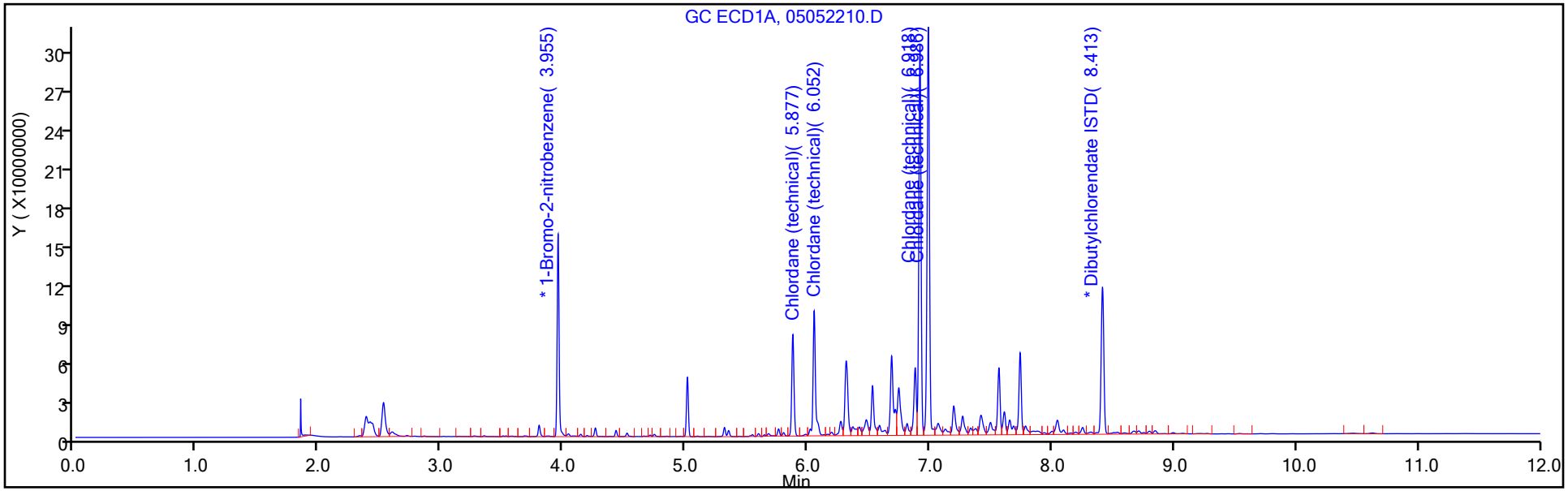
Report Date: 06-May-2022 06:32:21 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

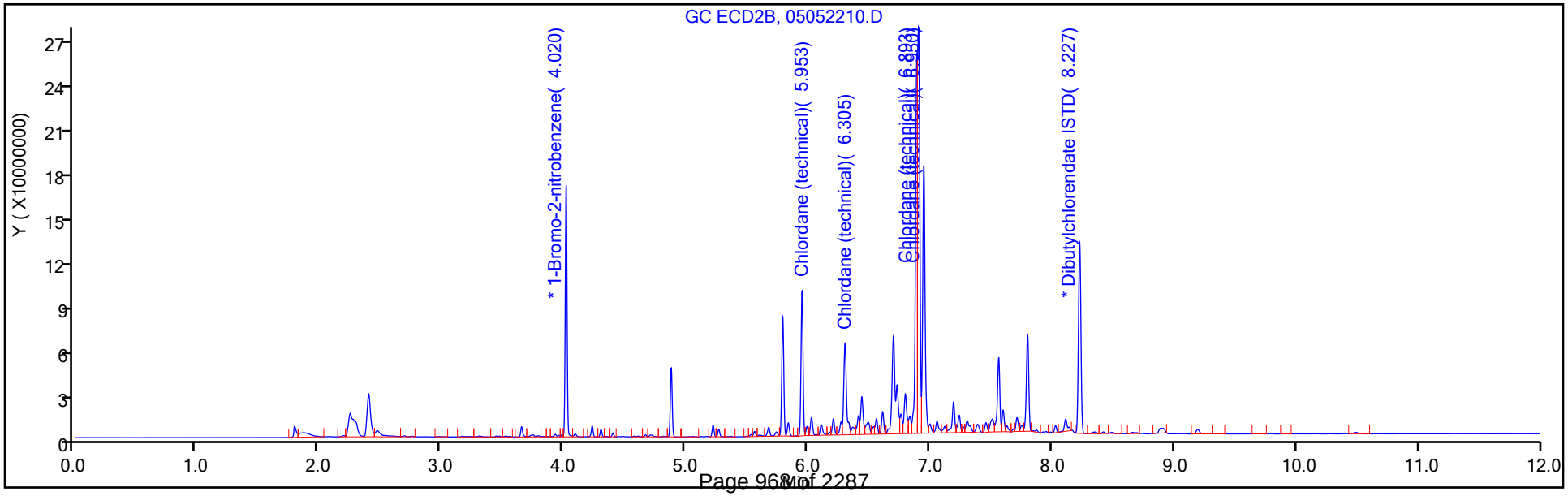
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052210.D

Injection Date:	05-May-2022 12:00:57	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:32:21 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052210.D

Injection Date: 05-May-2022 12:00:57 Instrument ID: CHGC17

Lims ID: IC

Client ID:

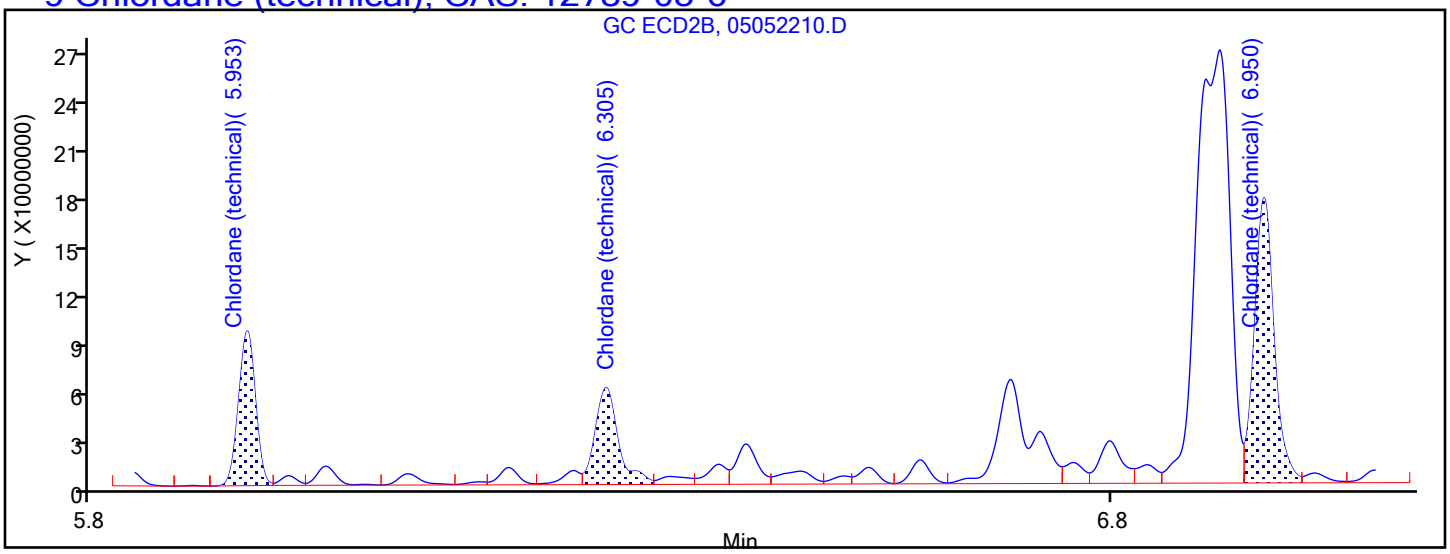
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

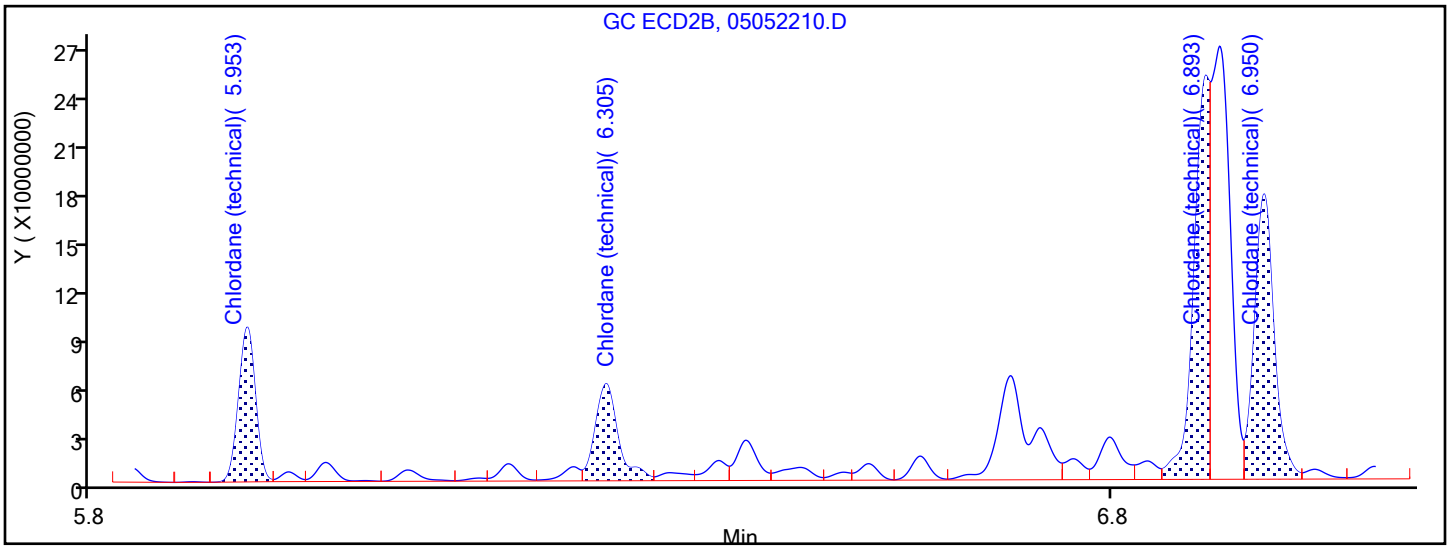
Column: MR-2 (0.53 mm) Detector GC ECD2B

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

5.953	Response = 94821334
6.305	Response = 59594469
6.892	Response = 0
6.950	Response = 174853952



Manual Integration Results

5.953	Response = 94821334	
6.305	Response = 59594469	
6.893	Response = 247890191	M
6.950	Response = 174853952	

Reviewer: eppinged, 05-May-2022 12:24:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052211.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 12:16:49 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-011
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:23 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 05-May-2022 13:12:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	146612587H	0.1000	0.1000	
2	4.017	4.017	0.000	156133855H	0.1000	0.1000	
9 Chlordane (technical)							
1	5.873	5.876	-0.003	188393081H	2.50	2.51	
1	6.049	6.052	-0.003	229641901H	2.50	2.46	
1	6.914	6.918	-0.004	737689747H	2.50	2.53	
1	6.983	6.986	-0.003	780385461H	2.50	2.50	
		Average of Peak Amounts =				2.50	
2	5.949	5.952	-0.003	218701240H	2.50	2.34	
2	6.301	6.305	-0.004	136805368H	2.50	2.29	
2	6.902	6.892	0.010	634808043H	2.50	2.51	
2	6.945	6.950	-0.005	409745595H	2.50	2.33	
		Average of Peak Amounts =				2.37	
						RPD = 5.60	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	0.000	113860071H	0.1000	0.1000	
2	8.221	8.223	-0.002	122696851H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCCHLORLEVEL5_00017 Amount Added: 1.00 Units: mL
GCPESTISSPK2_00027 Amount Added: 0.02 Units: mL Run Reagent

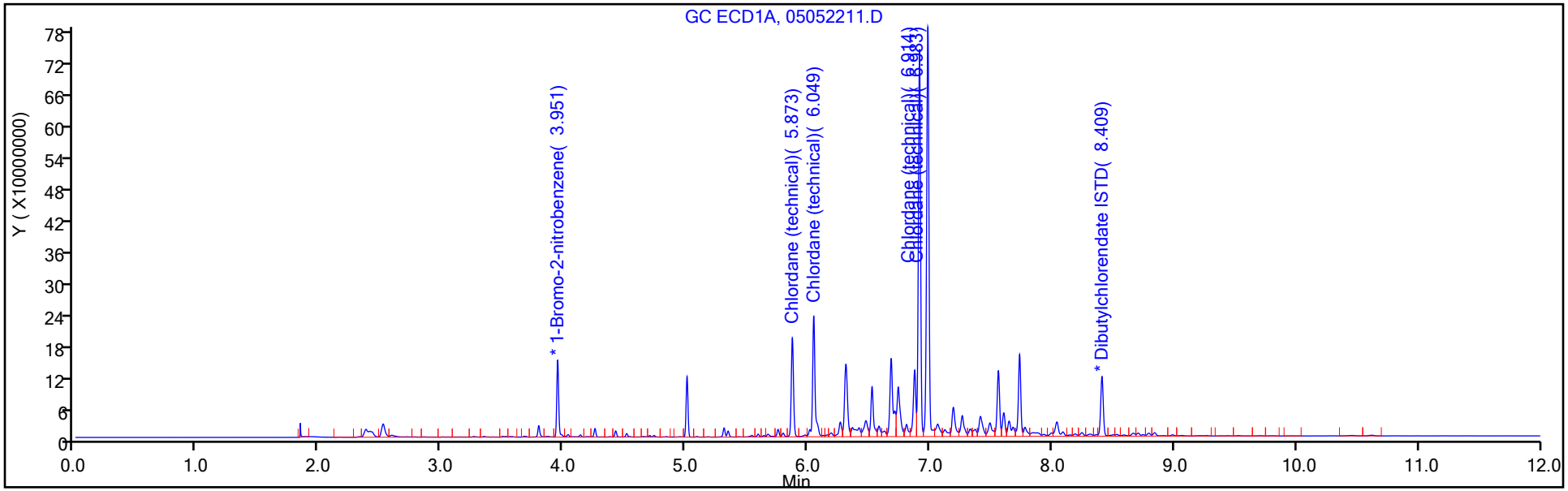
Report Date: 06-May-2022 06:32:24 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

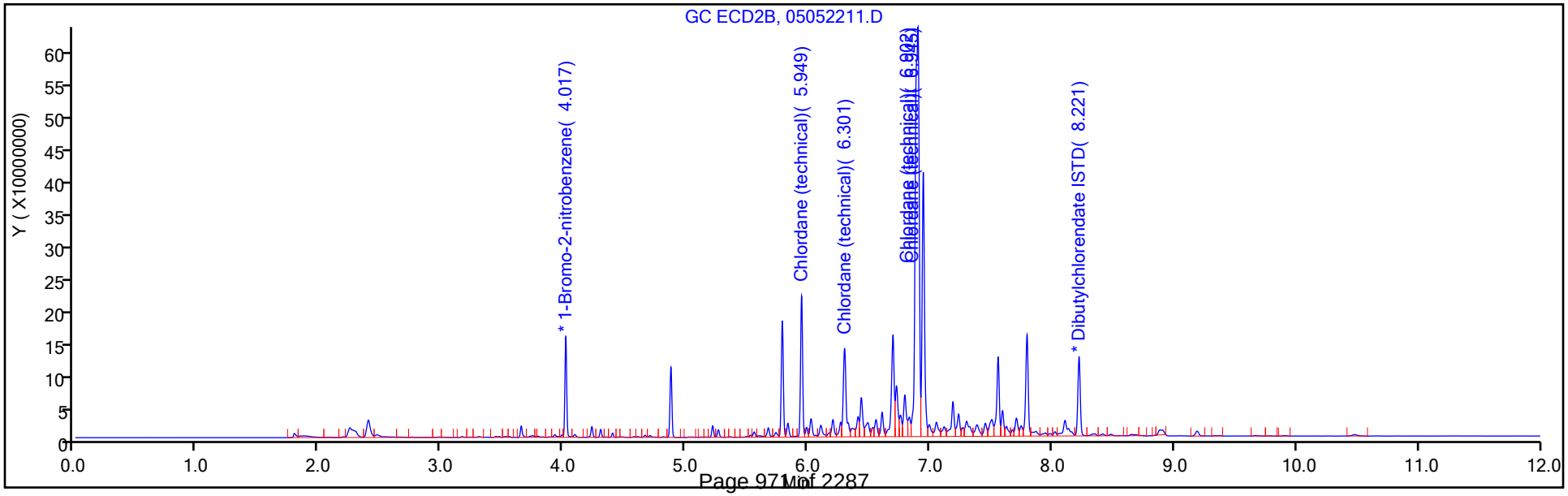
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052211.D

Injection Date:	05-May-2022 12:16:49	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Chlordane (technical) Peak 1

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

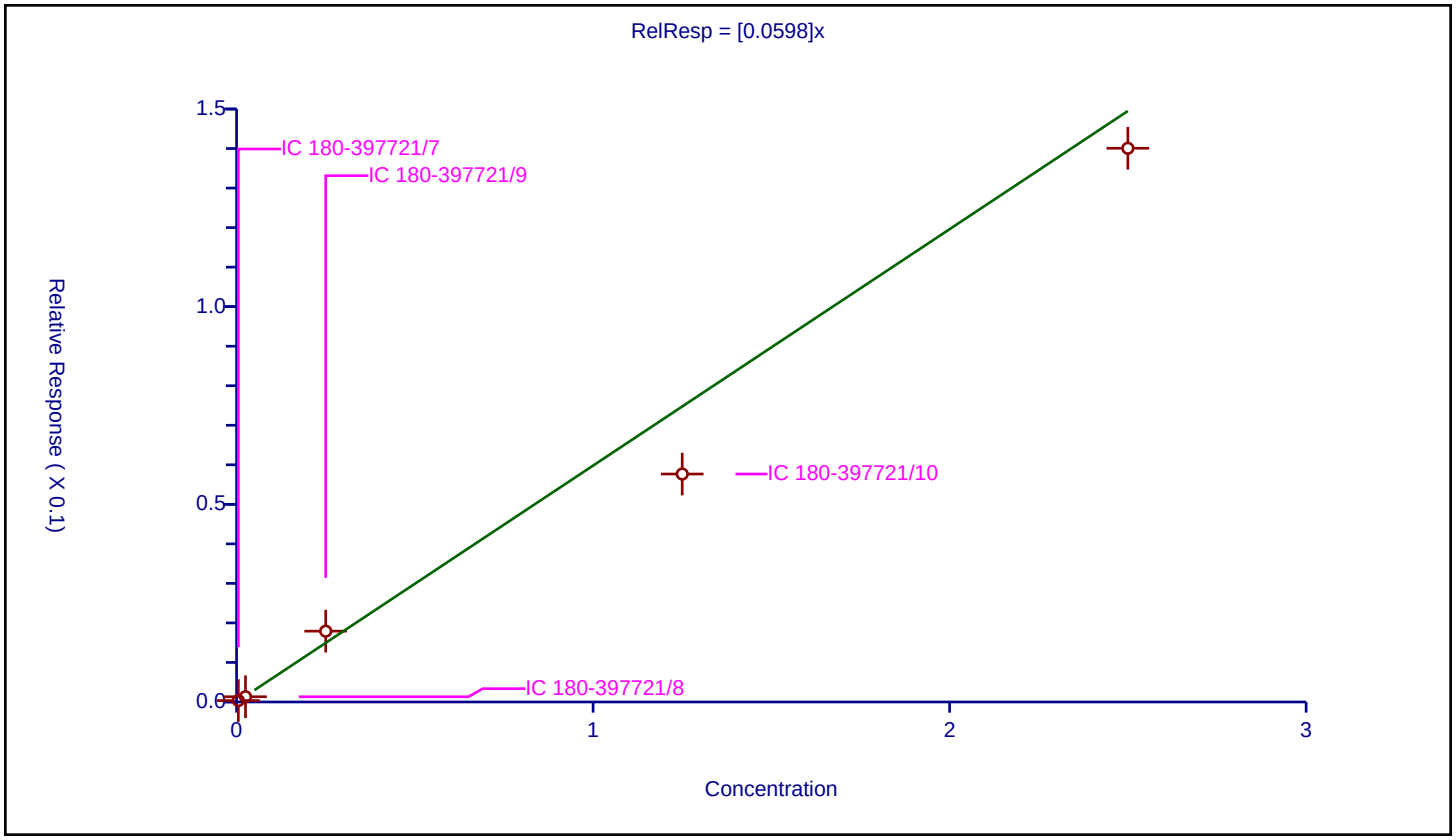
Curve Coefficients

Intercept:	0
Slope:	0.0598

Error Coefficients

Standard Error:	120000000
Relative Standard Error:	19.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000361	0.1	130306647.0	0.072258	Y
2	IC 180-397721/8	0.025	0.001323	0.1	163668446.0	0.052912	Y
3	IC 180-397721/9	0.25	0.017917	0.1	154679884.0	0.071666	Y
4	IC 180-397721/10	1.25	0.057665	0.1	164435277.0	0.046132	Y
5	IC 180-397721/11	2.5	0.140073	0.1	156133855.0	0.056029	Y



Calibration / Chlordane (technical) Peak 2

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

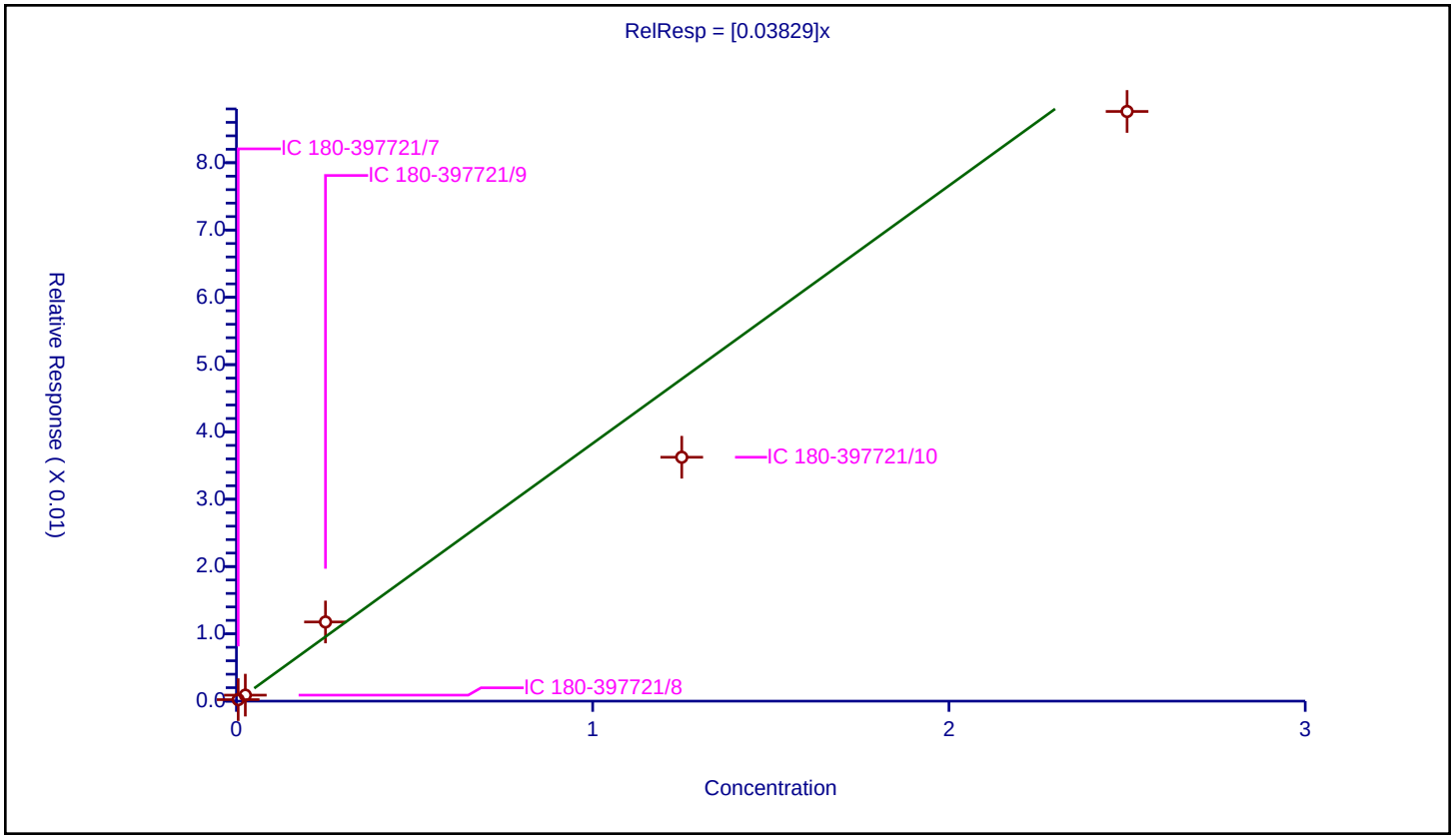
Curve Coefficients

Intercept:	0
Slope:	0.03829

Error Coefficients

Standard Error:	75200000
Relative Standard Error:	19.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000224	0.1	130306647.0	0.04474	Y
2	IC 180-397721/8	0.025	0.000891	0.1	163668446.0	0.035639	Y
3	IC 180-397721/9	0.25	0.011762	0.1	154679884.0	0.047048	Y
4	IC 180-397721/10	1.25	0.036242	0.1	164435277.0	0.028994	Y
5	IC 180-397721/11	2.5	0.087621	0.1	156133855.0	0.035048	Y



Calibration / Chlordane (technical) Peak 3

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

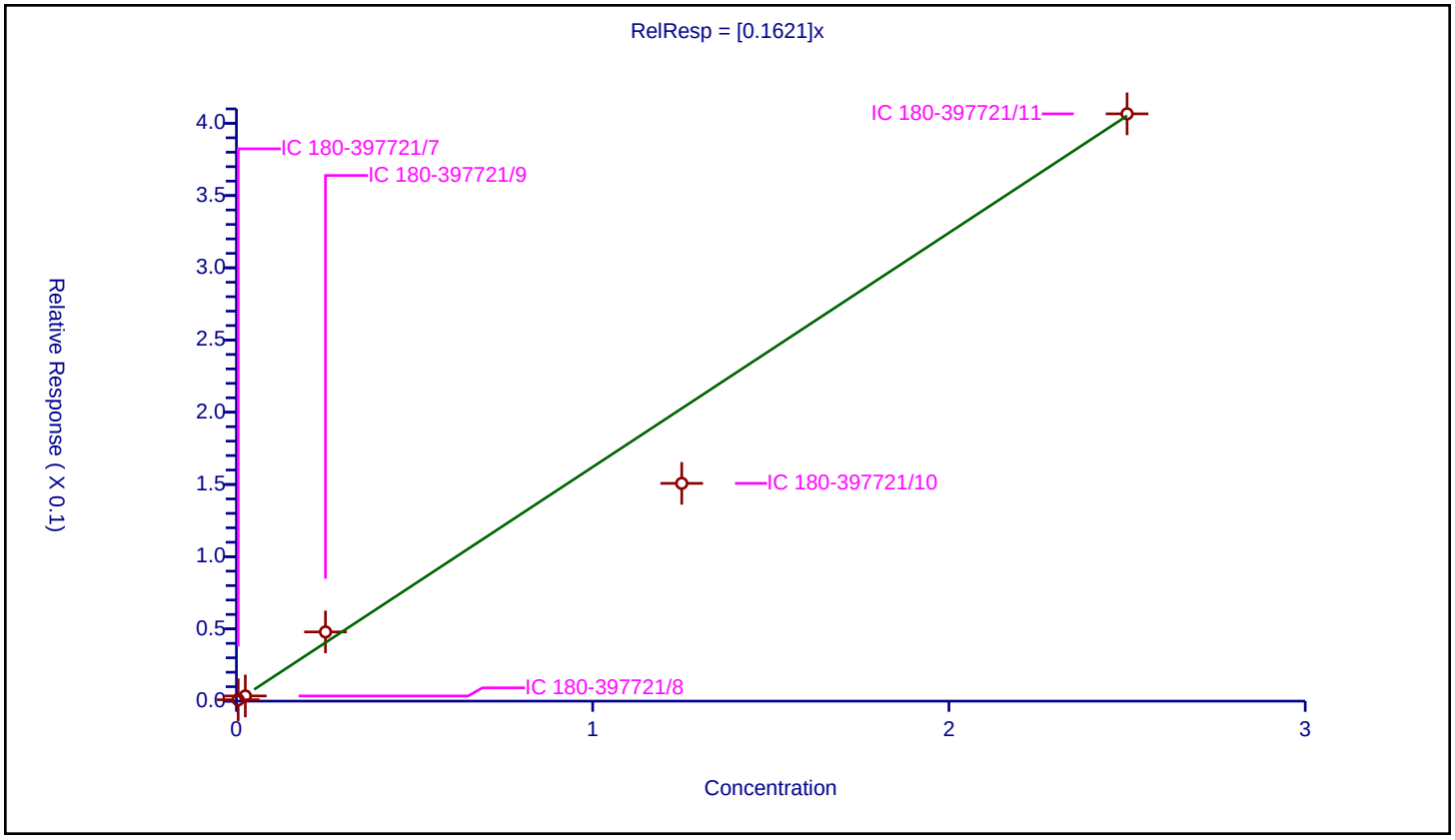
Curve Coefficients

Intercept:	0
Slope:	0.1621

Error Coefficients

Standard Error:	343000000
Relative Standard Error:	19.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000959	0.1	130306647.0	0.191743	Y
2	IC 180-397721/8	0.025	0.003596	0.1	163668446.0	0.143831	Y
3	IC 180-397721/9	0.25	0.047916	0.1	154679884.0	0.191666	Y
4	IC 180-397721/10	1.25	0.150752	0.1	164435277.0	0.120602	Y
5	IC 180-397721/11	2.5	0.406579	0.1	156133855.0	0.162632	Y



Calibration / Chlordane (technical) Peak 4

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

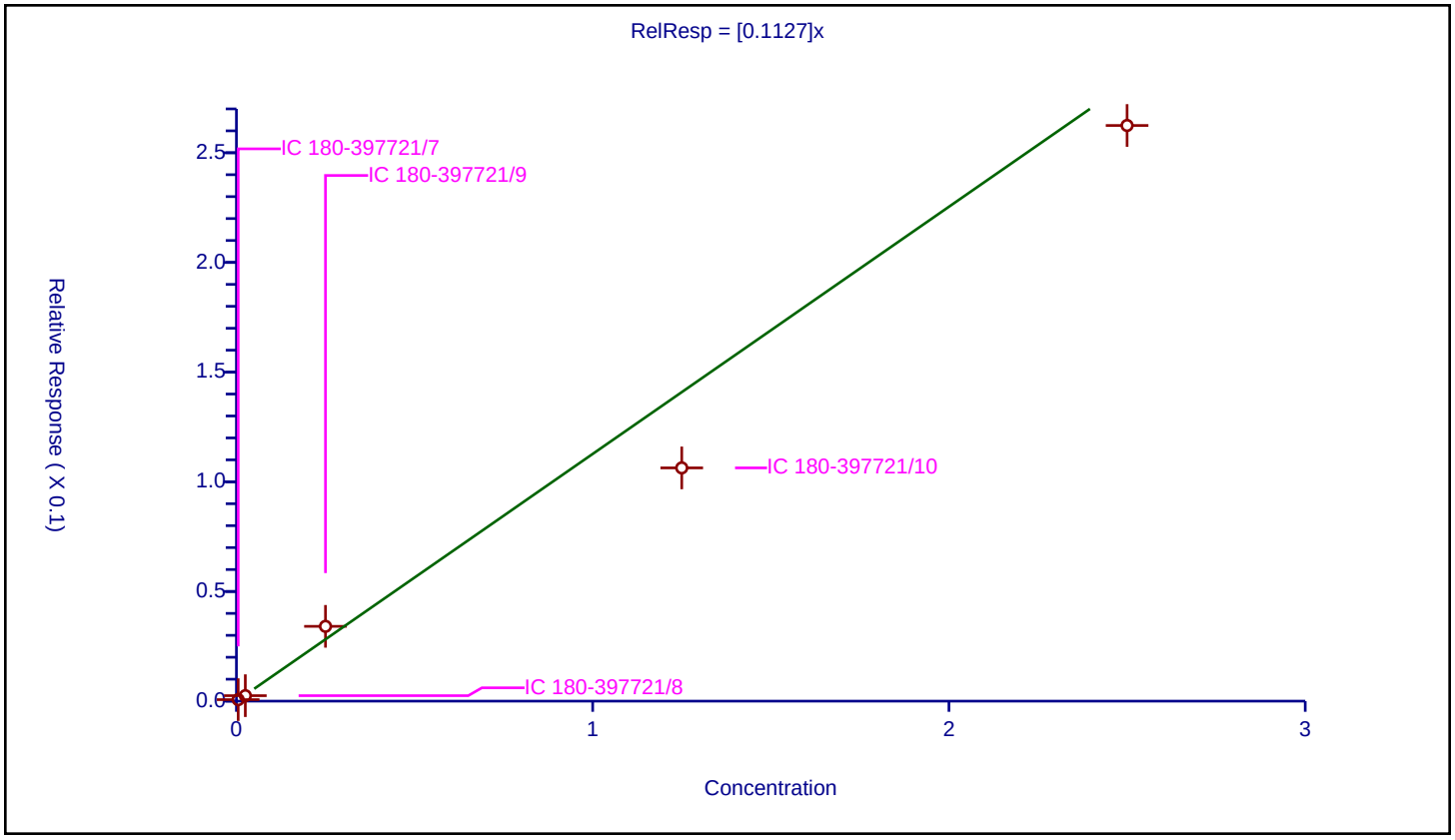
Curve Coefficients

Intercept:	0
Slope:	0.1127

Error Coefficients

Standard Error:	224000000
Relative Standard Error:	20.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.948

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/7	0.005	0.000685	0.1	130306647.0	0.137098	Y
2	IC 180-397721/8	0.025	0.002498	0.1	163668446.0	0.099912	Y
3	IC 180-397721/9	0.25	0.034105	0.1	154679884.0	0.136422	Y
4	IC 180-397721/10	1.25	0.106336	0.1	164435277.0	0.085069	Y
5	IC 180-397721/11	2.5	0.262432	0.1	156133855.0	0.104973	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48410

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.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								
alpha-BHC	2.0093 1.7758	1.9924	2.1694	2.2852	1.8411	Ave		2.0122				9.6		20.0			
gamma-BHC (Lindane)	1.7985 1.4874	1.7129	1.8407	1.9620	1.5759	Ave		1.7296				10.1		20.0			
beta-BHC	0.8751 0.6790	0.7815	0.8182	0.8625	0.6962	Ave		0.7854				10.6		20.0			
delta-BHC	1.6535 1.4534	1.6187	1.7333	1.8604	1.5133	Ave		1.6388				9.0		20.0			
Heptachlor	1.4857 1.1935	1.3928	1.4666	1.5430	1.2323	Ave		1.3857				10.3		20.0			
Aldrin	1.5785 1.2819	1.5312	1.6116	1.7045	1.3758	Ave		1.5139				10.4		20.0			
Heptachlor epoxide	1.3909 1.1229	1.3033	1.4079	1.4615	1.1753	Ave		1.3103				10.4		20.0			
trans-Chlordane	1.4228 1.1864	1.3467	1.4148	1.5178	1.2367	Ave		1.3542				9.2		20.0			
cis-Chlordane	1.5187 1.0955	1.2663	1.2993	1.3736	1.1122	Ave		1.2776				12.5		20.0			
Endosulfan I	1.2931 1.0288	1.2302	1.2740	1.3969	1.0797	Ave		1.2171				11.4		20.0			
4,4'-DDE	1.9039 1.6133	1.8108	2.0026	2.0372	1.5884	Ave		1.8260				10.5		20.0			
Dieldrin	1.9166 1.5644	1.7361	1.9805	1.9638	1.5308	Ave		1.7820				11.3		20.0			
Endrin	1.5946 1.2814	1.4578	1.6354	1.6209	1.2680	Ave		1.4764				11.4		20.0			
4,4'-DDD	1.4928 1.2478	1.3332	1.5010	1.5218	1.2000	Ave		1.3827				10.2		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48410

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								
Endosulfan II	1.4337 1.1606	1.2907	1.4749	1.4428	1.1448	Ave		1.3246				11.1		20.0			
Endrin aldehyde	1.2665 0.9958	1.1343	1.2557	1.2580	0.9943	Ave		1.1508				11.3		20.0			
4,4'-DDT	1.2159 1.1740	1.1495	1.3773	1.3629	1.1034	Ave		1.2305				9.3		20.0			
Endosulfan sulfate	1.4205 1.2050	1.3202	1.4457	1.4401	1.1650	Ave		1.3327				9.3		20.0			
Methoxychlor	0.5822 0.4960	0.5323	0.5794	0.5928	0.4862	Ave		0.5448				8.6		20.0			
Endrin ketone	1.2329 1.0715	1.1227	1.3158	1.2844	1.0236	Ave		1.1751				10.2		20.0			
Tetrachloro-m-xylene (Surr)	1.7761 1.3226	1.5468	1.6341	1.7166	1.3804	Ave		1.5628				11.6		20.0			
DCB Decachlorobiphenyl (Surr)	0.7681 0.5261	0.6137	0.6691	0.6365	0.5065	Ave		0.6200				15.5		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48410

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	2961966 585713118	15038158	77411071	155890231	295833490	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	BNB	Ave	2651217 490574249	12928680	65681321	133836618	253217175	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	BNB	Ave	1289909 223939741	5898606	29194952	58834439	111861729	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	BNB	Ave	2437488 479356556	12217892	61848431	126911286	243154864	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	BNB	Ave	2190103 393657967	10512802	52331604	105260068	198011435	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	BNB	Ave	2326790 422803619	11557011	57506818	116276713	221071353	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	BNB	Ave	2050373 370352528	9837024	50237734	99695827	188845266	0.00100 0.200	0.00500	0.0250	0.0500	0.100
trans-Chlordane	BNB	Ave	2097419 391292746	10165079	50486195	103535597	198712809	0.00100 0.200	0.00500	0.0250	0.0500	0.100
cis-Chlordane	BNB	Ave	2238765 361304526	9558137	46362468	93698047	178702984	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	BNB	Ave	1906139 339305611	9285377	45460812	95289570	173479931	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	DBC	Ave	2069437 399797604	10447995	51646143	108489538	202041258	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	DBC	Ave	2083212 387685172	10016764	51074084	104579115	194709748	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	DBC	Ave	1733223 317567573	8411202	42176175	86320310	161282623	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	DBC	Ave	1622546	7692138	38709328	81039239	152634294	0.00100	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48410

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			309225588					0.200				
Endosulfan II	DBC	Ave	1558394 287609354	7447258	38035326	76833333	145610583	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	DBC	Ave	1376572 246789318	6544680	32383509	66990541	126473862	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	DBC	Ave	1321653 290943747	6632161	35518245	72581677	140351705	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	DBC	Ave	1544004 298620737	7617187	37282031	76687663	148181501	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	DBC	Ave	632866 122911103	3071490	14942523	31567806	61843648	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	DBC	Ave	1340058 265536680	6477903	33932192	68397214	130197488	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene (Surr)	BNB	Ave	2618174 436237213	11674672	58308775	117100391	221802062	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	DBC	Ave	834936 130388563	3540736	17255104	33893834	64424330	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48410

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
alpha-BHC	-0.1	-1.0	7.8	13.6	-8.5	-11.7	50	30	30	30	30	30
gamma-BHC (Lindane)	4.0	-1.0	6.4	13.4	-8.9	-14.0	50	30	30	30	30	30
beta-BHC	11.4	-0.5	4.2	9.8	-11.4	-13.5	50	30	30	30	30	30
delta-BHC	0.9	-1.2	5.8	13.5	-7.7	-11.3	50	30	30	30	30	30
Heptachlor	7.2	0.5	5.8	11.4	-11.1	-13.9	50	30	30	30	30	30
Aldrin	4.3	1.1	6.5	12.6	-9.1	-15.3	50	30	30	30	30	30
Heptachlor epoxide	6.2	-0.5	7.4	11.5	-10.3	-14.3	50	30	30	30	30	30
trans-Chlordane	5.1	-0.6	4.5	12.1	-8.7	-12.4	50	30	30	30	30	30
cis-Chlordane	18.9	-0.9	1.7	7.5	-12.9	-14.3	50	30	30	30	30	30
Endosulfan I	6.2	1.1	4.7	14.8	-11.3	-15.5	50	30	30	30	30	30
4,4'-DDE	4.3	-0.8	9.7	11.6	-13.0	-11.7	50	30	30	30	30	30
Dieldrin	7.6	-2.6	11.1	10.2	-14.1	-12.2	50	30	30	30	30	30
Endrin	8.0	-1.3	10.8	9.8	-14.1	-13.2	50	30	30	30	30	30
4,4'-DDD	8.0	-3.6	8.6	10.1	-13.2	-9.8	50	30	30	30	30	30
Endosulfan II	8.2	-2.6	11.3	8.9	-13.6	-12.4	50	30	30	30	30	30
Endrin aldehyde	10.1	-1.4	9.1	9.3	-13.6	-13.5	50	30	30	30	30	30
4,4'-DDT	-1.2	-6.6	11.9	10.8	-10.3	-4.6	50	30	30	30	30	30
Endosulfan sulfate	6.6	-0.9	8.5	8.1	-12.6	-9.6	50	30	30	30	30	30
Methoxychlor	6.9	-2.3	6.3	8.8	-10.8	-9.0	50	30	30	30	30	30
Endrin ketone	4.9	-4.5	12.0	9.3	-12.9	-8.8	50	30	30	30	30	30
Tetrachloro-m-xylene (Surr)	13.7	-1.0	4.6	9.8	-11.7	-15.4	50	30	30	30	30	30
DCB Decachlorobiphenyl (Surr)	23.9	-1.0	7.9	2.7	-18.3	-15.1	50	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052224.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 15:43:15 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-024
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:50 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	147409721H	0.1000	0.1000	
2	4.016	4.017	-0.001	156607515H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.940	4.941	-0.001	2618174H	0.001000	0.001137	
2	4.872	4.873	-0.001	2898015H	0.001000	0.001219	
						RPD = 7.01	
5 alpha-BHC							
1	5.309	5.310	-0.001	2961966H	0.001000	0.000999	
2	5.327	5.329	-0.002	3217536H	0.001000	0.001103	
						RPD = 9.98	
7 gamma-BHC (Lindane)							
1	5.576	5.578	-0.002	2651217H	0.001000	0.001040	
2	5.626	5.627	-0.001	2740660H	0.001000	0.001116	
						RPD = 7.08	
8 beta-BHC							
1	5.743	5.744	-0.001	1289909H	0.001000	0.001114	
2	5.866	5.867	-0.001	1387628H	0.001000	0.001197	
						RPD = 7.17	
10 delta-BHC							
1	5.945	5.946	-0.001	2437488H	0.001000	0.001009	
2	6.092	6.094	-0.002	2542553H	0.001000	0.001086	
						RPD = 7.36	
11 Heptachlor							
1	6.048	6.049	-0.001	2190103H	0.001000	0.001072	
2	5.947	5.949	-0.002	2322821H	0.001000	0.001148	
						RPD = 6.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.331	6.333	-0.002	2326790H	0.001000	0.001043	
2	6.213	6.216	-0.003	2466381H	0.001000	0.001089	
						RPD = 4.39	
16 Heptachlor epoxide							
1	6.694	6.696	-0.002	2050373H	0.001000	0.001062	
2	6.658	6.659	-0.001	2220440H	0.001000	0.001122	
						RPD = 5.58	
18 trans-Chlordane							
1	6.913	6.915	-0.002	2097419H	0.001000	0.001051	
2	6.885	6.887	-0.002	2283946H	0.001000	0.001122	
						RPD = 6.59	
20 cis-Chlordane							
1	6.981	6.981	0.000	2238765H	0.001000	0.001189	
2	6.945	6.946	-0.001	2181069H	0.001000	0.001110	
						RPD = 6.87	
22 Endosulfan I							
1	7.026	7.029	-0.003	1906139H	0.001000	0.001062	
2	7.011	7.012	-0.001	2032496H	0.001000	0.001112	
						RPD = 4.56	
23 4,4'-DDE							
1	7.129	7.131	-0.002	2069437H	0.001000	0.001043	
2	7.080	7.083	-0.003	2178518H	0.001000	0.001130	
						RPD = 8.00	
26 Dieldrin							
1	7.266	7.269	-0.003	2083212H	0.001000	0.001076	
2	7.253	7.255	-0.002	2231052H	0.001000	0.001096	
						RPD = 1.90	
27 Endrin							
1	7.471	7.471	0.000	1733223H	0.001000	0.001080	
2	7.516	7.519	-0.003	1703595H	0.001000	0.001070	
						RPD = 0.98	
30 4,4'-DDD							
1	7.591	7.592	-0.001	1622546H	0.001000	0.001080	
2	7.596	7.598	-0.002	1695052H	0.001000	0.001069	
						RPD = 0.97	
31 Endosulfan II							
1	7.669	7.671	-0.002	1558394H	0.001000	0.001082	
2	7.779	7.781	-0.002	1607289H	0.001000	0.001078	
						RPD = 0.44	
32 Endrin aldehyde							
1	7.787	7.788	-0.001	1376572H	0.001000	0.001101	
2	7.942	7.944	-0.002	1473554H	0.001000	0.001127	
						RPD = 2.36	
33 4,4'-DDT							
1	7.871	7.871	0.000	1321653H	0.001000	0.000988	
2	7.839	7.841	-0.002	1471056H	0.001000	0.001023	
						RPD = 3.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	7.998	7.998	0.000	1544004H	0.001000	0.001066	
2	8.160	8.162	-0.002	1554843H	0.001000	0.001092	
						RPD = 2.47	
35 Methoxychlor							
1	8.334	8.336	-0.002	632866H	0.001000	0.001069	
2	8.394	8.395	-0.001	678889H	0.001000	0.001106	
						RPD = 3.43	
* 36 Dibutylchlorendate ISTD							
1	8.408	8.410	-0.002	108694646H	0.1000	0.1000	
2	8.221	8.223	-0.002	120808878H	0.1000	0.1000	
37 Endrin ketone							
1	8.486	8.488	-0.002	1340058H	0.001000	0.001049	
2	8.755	8.756	-0.001	1267959H	0.001000	0.001046	
						RPD = 0.35	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.363	10.364	-0.001	834936H	0.001000	0.001239	
2	10.407	10.409	-0.002	848751H	0.001000	0.001277	
						RPD = 3.06	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPest L1_00040	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

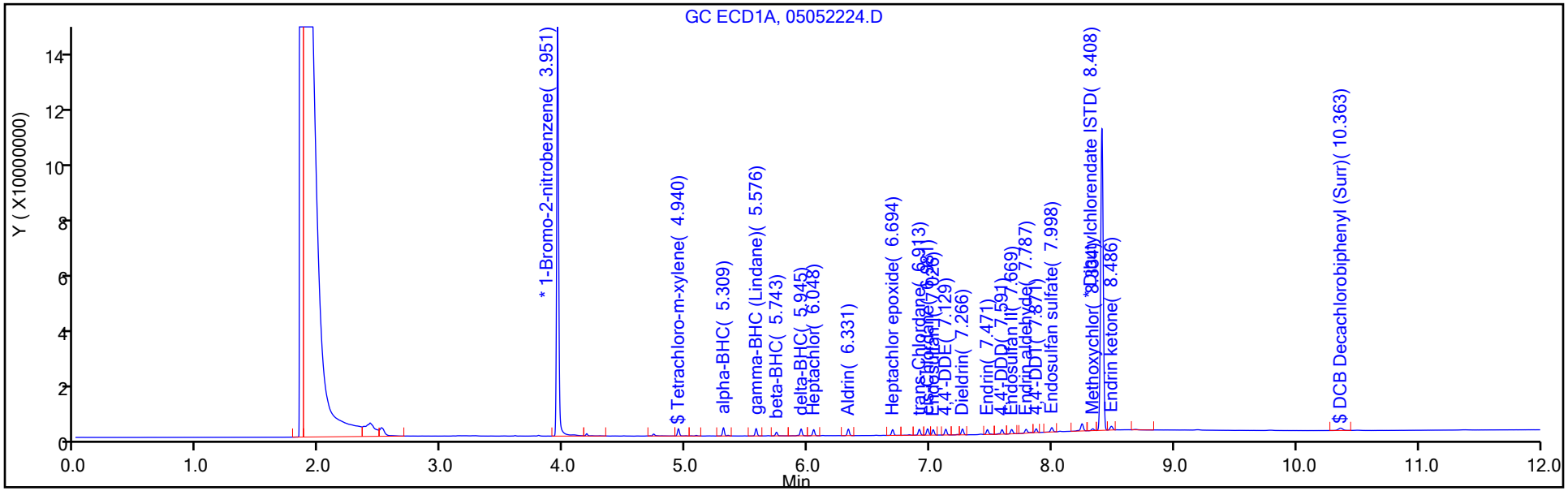
Report Date: 06-May-2022 06:32:50 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

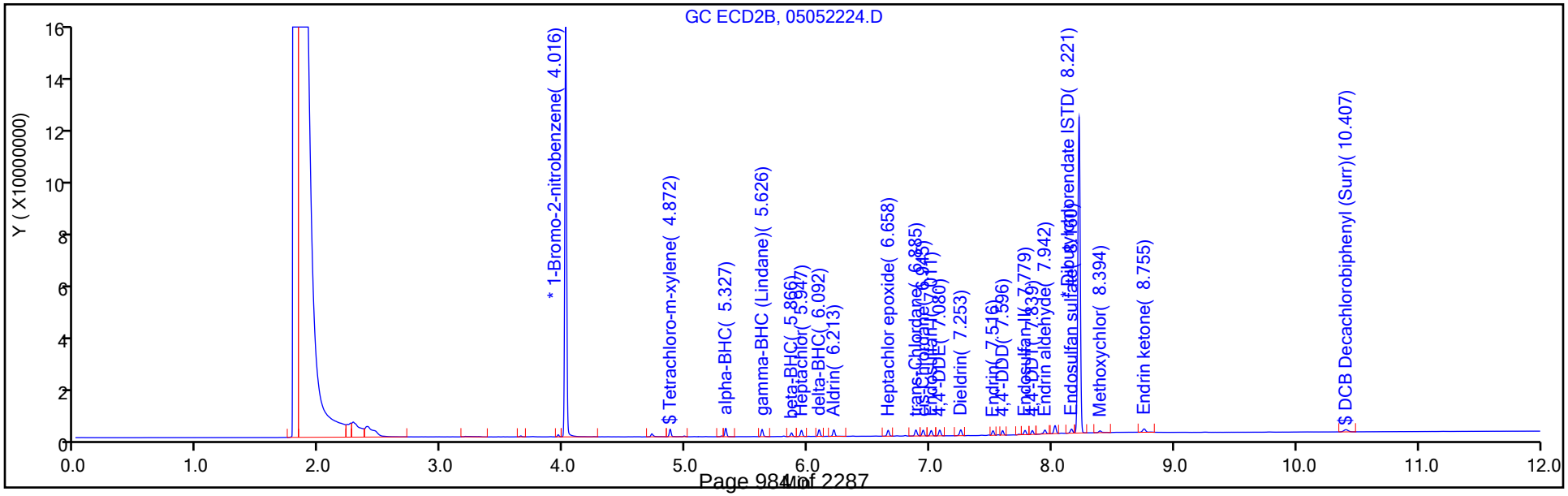
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052224.D

Injection Date:	05-May-2022 15:43:15	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052225.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 15:59:15 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-025
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:53 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.003	150957310H	0.1000	0.1000	
2	4.020	4.017	0.003	163822285H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.944	4.941	0.003	11674672H	0.005000	0.004949	
2	4.877	4.873	0.004	12617344H	0.005000	0.005074	
						RPD = 2.50	
5 alpha-BHC							
1	5.313	5.310	0.003	15038158H	0.005000	0.004951	
2	5.332	5.329	0.003	15617775H	0.005000	0.005120	
						RPD = 3.36	
7 gamma-BHC (Lindane)							
1	5.582	5.578	0.004	12928680H	0.005000	0.004952	
2	5.631	5.627	0.004	13154498H	0.005000	0.005122	
						RPD = 3.37	
8 beta-BHC							
1	5.747	5.744	0.003	5898606H	0.005000	0.004975	
2	5.872	5.867	0.005	6141753H	0.005000	0.005065	
						RPD = 1.79	
10 delta-BHC							
1	5.950	5.946	0.004	12217892H	0.005000	0.004939	
2	6.098	6.094	0.004	12263072H	0.005000	0.005008	
						RPD = 1.38	
11 Heptachlor							
1	6.053	6.049	0.004	10512802H	0.005000	0.005026	
2	5.953	5.949	0.004	10891335H	0.005000	0.005146	
						RPD = 2.36	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.337	6.333	0.004	11557011H	0.005000	0.005057	
2	6.219	6.216	0.003	12088061H	0.005000	0.005104	
						RPD = 0.93	
16 Heptachlor epoxide							
1	6.699	6.696	0.003	9837024H	0.005000	0.004973	
2	6.663	6.659	0.004	10812816H	0.005000	0.005225	
						RPD = 4.94	
18 trans-Chlordane							
1	6.918	6.915	0.003	10165079H	0.005000	0.004972	
2	6.891	6.887	0.004	10719375H	0.005000	0.005035	
						RPD = 1.26	
20 cis-Chlordane							
1	6.985	6.981	0.004	9558137H	0.005000	0.004956	
2	6.950	6.946	0.004	10586367H	0.005000	0.005149	
						RPD = 3.82	
22 Endosulfan I							
1	7.032	7.029	0.003	9285377H	0.005000	0.005054	
2	7.016	7.012	0.004	9712716H	0.005000	0.005080	
						RPD = 0.51	
23 4,4'-DDE							
1	7.135	7.131	0.004	10447995H	0.005000	0.004958	
2	7.087	7.083	0.004	10101495H	0.005000	0.005076	
						RPD = 2.34	
26 Dieldrin							
1	7.272	7.269	0.003	10016764H	0.005000	0.004871	
2	7.258	7.255	0.003	10665430H	0.005000	0.005078	
						RPD = 4.16	
27 Endrin							
1	7.477	7.471	0.006	8411202H	0.005000	0.004937	
2	7.522	7.519	0.003	8485741H	0.005000	0.005163	
						RPD = 4.47	
30 4,4'-DDD							
1	7.596	7.592	0.004	7692138H	0.005000	0.004821	
2	7.601	7.598	0.003	8273504H	0.005000	0.005057	
						RPD = 4.78	
31 Endosulfan II							
1	7.675	7.671	0.004	7447258H	0.005000	0.004872	
2	7.784	7.781	0.003	7797497H	0.005000	0.005067	
						RPD = 3.91	
32 Endrin aldehyde							
1	7.792	7.788	0.004	6544680H	0.005000	0.004928	
2	7.947	7.944	0.003	6696546H	0.005000	0.004962	
						RPD = 0.69	
33 4,4'-DDT							
1	7.874	7.871	0.003	6632161H	0.005000	0.004671	
2	7.844	7.841	0.003	7208614H	0.005000	0.004857	
						RPD = 3.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.002	7.998	0.004	7617187H	0.005000	0.004953	
2	8.167	8.162	0.005	7180937H	0.005000	0.004890	
						RPD = 1.29	
35 Methoxychlor							
1	8.340	8.336	0.004	3071490H	0.005000	0.004885	
2	8.399	8.395	0.004	3140218H	0.005000	0.004957	
						RPD = 1.46	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.410	0.005	115395390H	0.1000	0.1000	
2	8.227	8.223	0.004	124663324H	0.1000	0.1000	
37 Endrin ketone							
1	8.493	8.488	0.005	6477903H	0.005000	0.004777	
2	8.761	8.756	0.005	6158773H	0.005000	0.004921	
						RPD = 2.97	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.372	10.364	0.008	3540736H	0.005000	0.004949	
2	10.414	10.409	0.005	3466324H	0.005000	0.005056	
						RPD = 2.13	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL2_00028	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

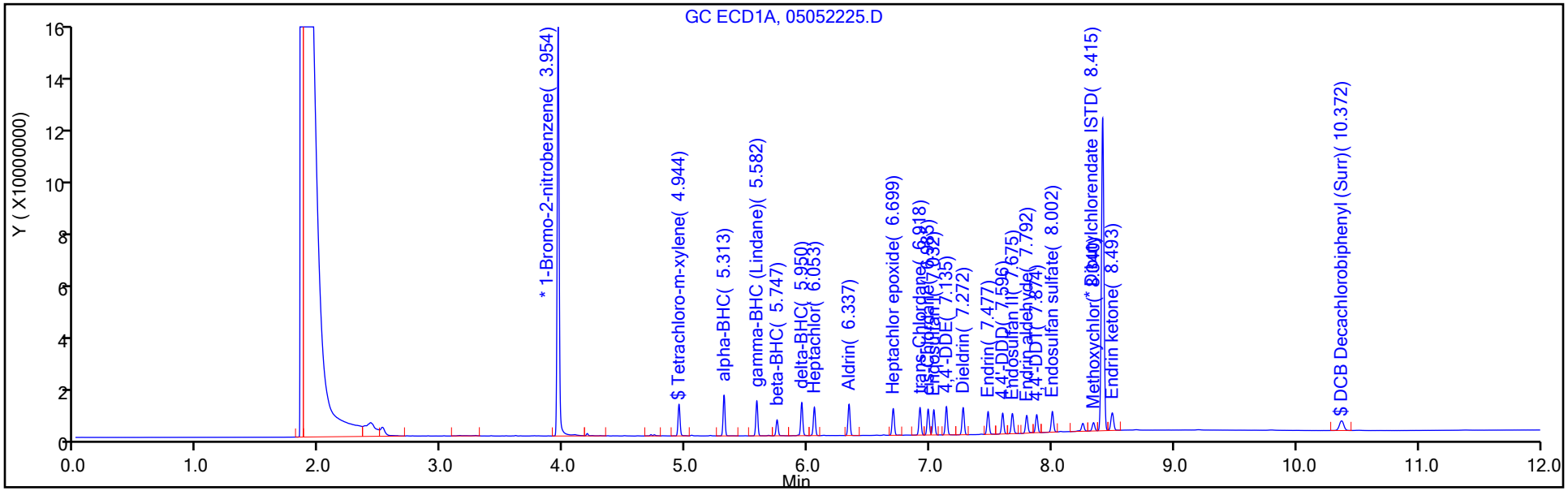
Report Date: 06-May-2022 06:32:53 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

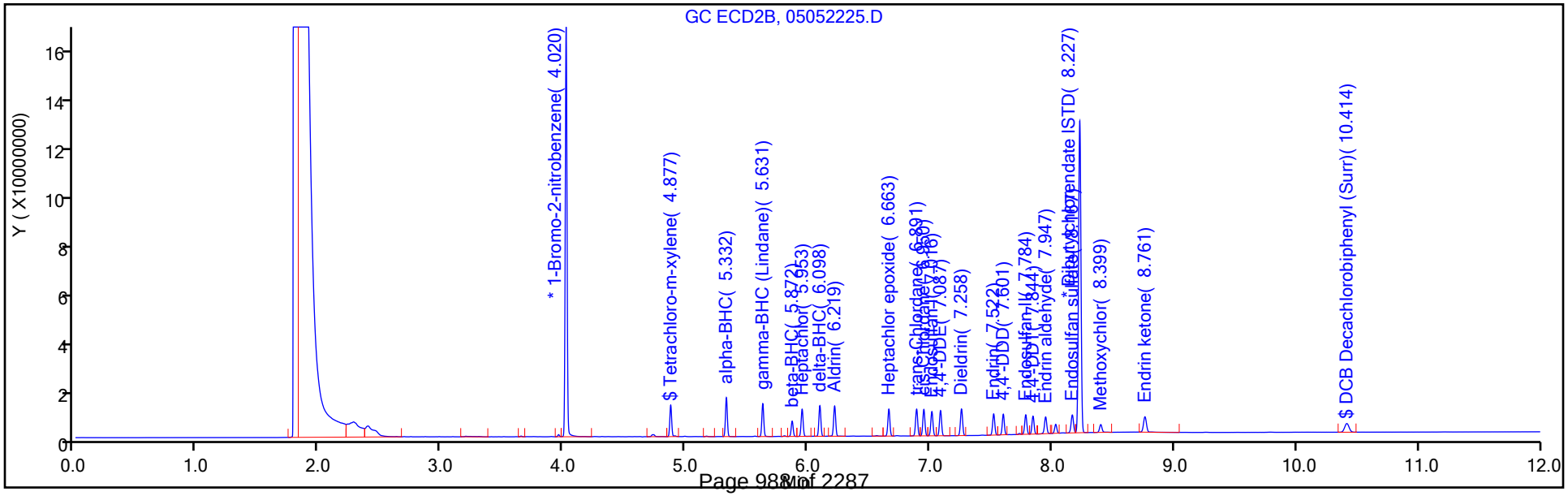
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052225.D

Injection Date:	05-May-2022 15:59:15	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-May-2022 16:15:07 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-026
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:56 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	142733057H	0.1000	0.1000	
2	4.017	4.017	0.000	149027020H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.941	4.941	0.000	58308775H	0.0250	0.0261	
2	4.873	4.873	0.000	59588830H	0.0250	0.0263	
						RPD = 0.77	
5 alpha-BHC							a
1	5.310	5.310	0.000	77411071H	0.0250	0.0270	a
2	5.329	5.329	0.000	75482188H	0.0250	0.0272	a
						RPD = 0.92	
7 gamma-BHC (Lindane)							a
1	5.578	5.578	0.000	65681321H	0.0250	0.0266	a
2	5.627	5.627	0.000	62467596H	0.0250	0.0267	a
						RPD = 0.49	
8 beta-BHC							a
1	5.744	5.744	0.000	29194952H	0.0250	0.0260	a
2	5.867	5.867	0.000	28720224H	0.0250	0.0260	a
						RPD = 0.03	
10 delta-BHC							a
1	5.946	5.946	0.000	61848431H	0.0250	0.0264	a
2	6.094	6.094	0.000	60455793H	0.0250	0.0271	a
						RPD = 2.60	
11 Heptachlor							a
1	6.049	6.049	0.000	52331604H	0.0250	0.0265	a
2	5.949	5.949	0.000	50993216H	0.0250	0.0265	a
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							a
1	6.333	6.333	0.000	57506818H	0.0250	0.0266	a
2	6.216	6.216	0.000	58937525H	0.0250	0.0274	a
						RPD = 2.75	
16 Heptachlor epoxide							a
1	6.696	6.696	0.000	50237734H	0.0250	0.0269	a
2	6.659	6.659	0.000	50548524H	0.0250	0.0269	a
						RPD = 0.03	
18 trans-Chlordane							a
1	6.915	6.915	0.000	50486195H	0.0250	0.0261	a
2	6.887	6.887	0.000	52478502H	0.0250	0.0271	a
						RPD = 3.68	
20 cis-Chlordane							a
1	6.981	6.981	0.000	46362468H	0.0250	0.0254	a
2	6.946	6.946	0.000	48895051H	0.0250	0.0261	a
						RPD = 2.79	
22 Endosulfan I							a
1	7.029	7.029	0.000	45460812H	0.0250	0.0262	a
2	7.012	7.012	0.000	46767483H	0.0250	0.0269	a
						RPD = 2.71	
23 4,4'-DDE							
1	7.131	7.131	0.000	51646143H	0.0250	0.0274	
2	7.083	7.083	0.000	48469131H	0.0250	0.0269	
						RPD = 1.75	
26 Dieldrin							a
1	7.269	7.269	0.000	51074084H	0.0250	0.0278	a
2	7.255	7.255	0.000	52128128H	0.0250	0.0275	a
						RPD = 1.19	
27 Endrin							
1	7.471	7.471	0.000	42176175H	0.0250	0.0277	
2	7.519	7.519	0.000	40767453H	0.0250	0.0274	
						RPD = 0.92	
30 4,4'-DDD							
1	7.592	7.592	0.000	38709328H	0.0250	0.0271	
2	7.598	7.598	0.000	39954536H	0.0250	0.0270	
						RPD = 0.45	
31 Endosulfan II							a
1	7.671	7.671	0.000	38035326H	0.0250	0.0278	a
2	7.781	7.781	0.000	37779973H	0.0250	0.0272	a
						RPD = 2.47	
32 Endrin aldehyde							a
1	7.788	7.788	0.000	32383509H	0.0250	0.0273	a
2	7.944	7.944	0.000	32761408H	0.0250	0.0269	a
						RPD = 1.56	
33 4,4'-DDT							
1	7.871	7.871	0.000	35518245H	0.0250	0.0280	
2	7.841	7.841	0.000	37030703H	0.0250	0.0276	
						RPD = 1.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							a
1	7.998	7.998	0.000	37282031H	0.0250	0.0271	a
2	8.162	8.162	0.000	36246737H	0.0250	0.0273	a
						RPD = 0.68	
35 Methoxychlor							a
1	8.336	8.336	0.000	14942523H	0.0250	0.0266	a
2	8.395	8.395	0.000	15024819H	0.0250	0.0262	a
						RPD = 1.32	
* 36 Dibutylchlorendate ISTD							
1	8.410	8.410	0.000	103156381H	0.1000	0.1000	
2	8.223	8.223	0.000	112692562H	0.1000	0.1000	
37 Endrin ketone							
1	8.488	8.488	0.000	33932192H	0.0250	0.0280	
2	8.756	8.756	0.000	30921271H	0.0250	0.0273	
						RPD = 2.38	
$ 39 DCB Decachlorobiphenyl (Surr)							a
1	10.364	10.364	0.000	17255104H	0.0250	0.0270	a
2	10.409	10.409	0.000	15764233H	0.0250	0.0254	a
						RPD = 5.90	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

a - User Assigned ID

Reagents:

GCPestL3_00044	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

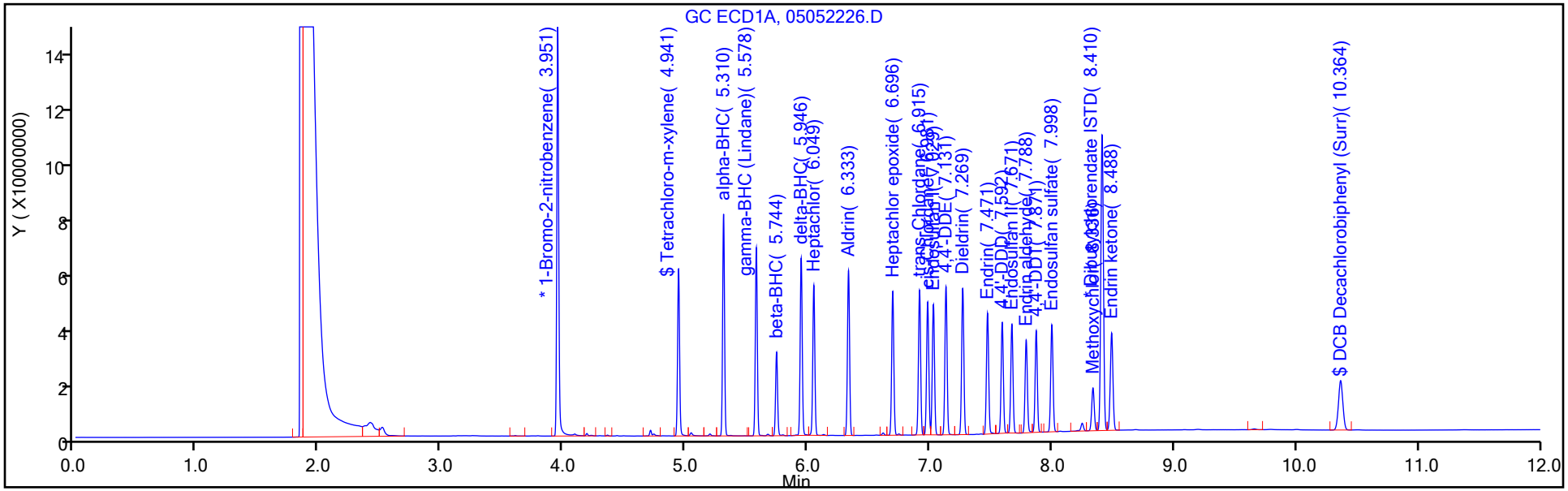
Report Date: 06-May-2022 06:32:56 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

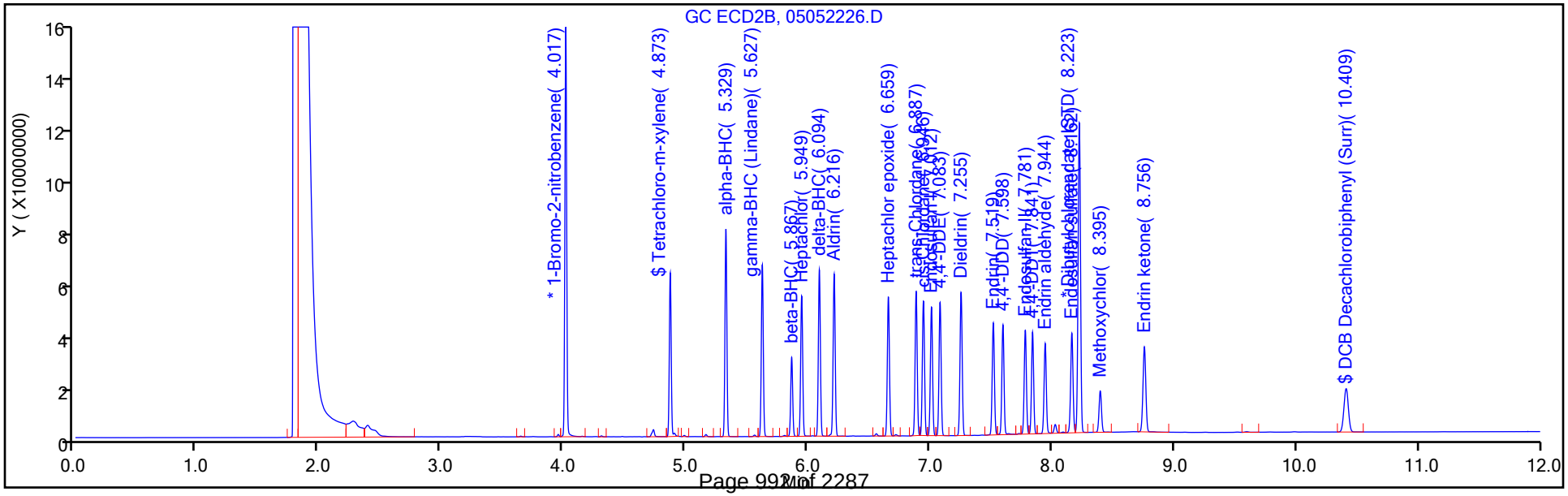
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D

Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

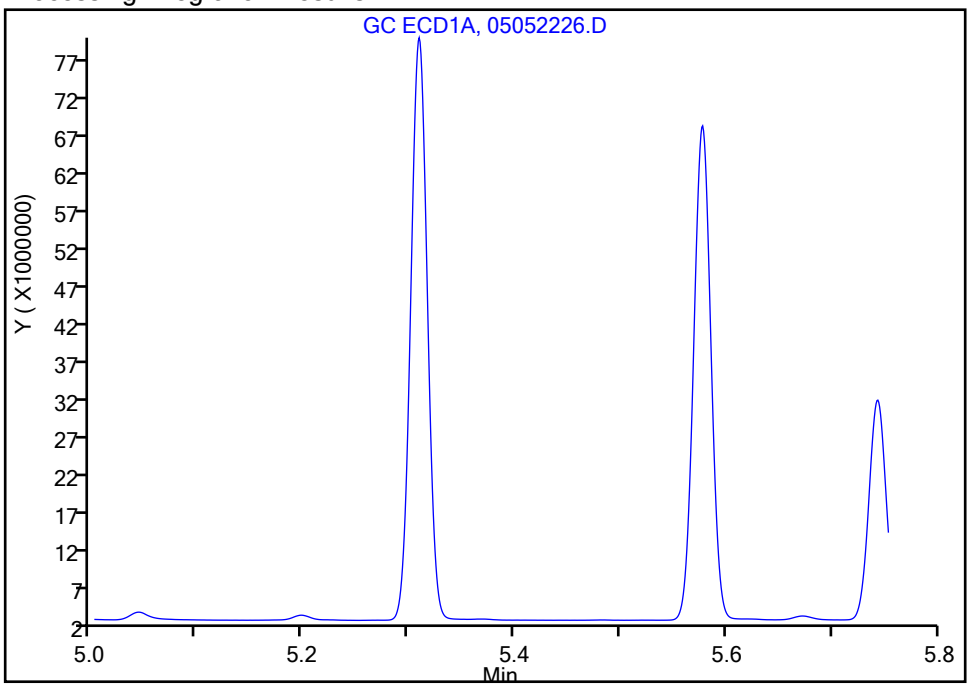
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

5 alpha-BHC, CAS: 319-84-6

Signal: 1

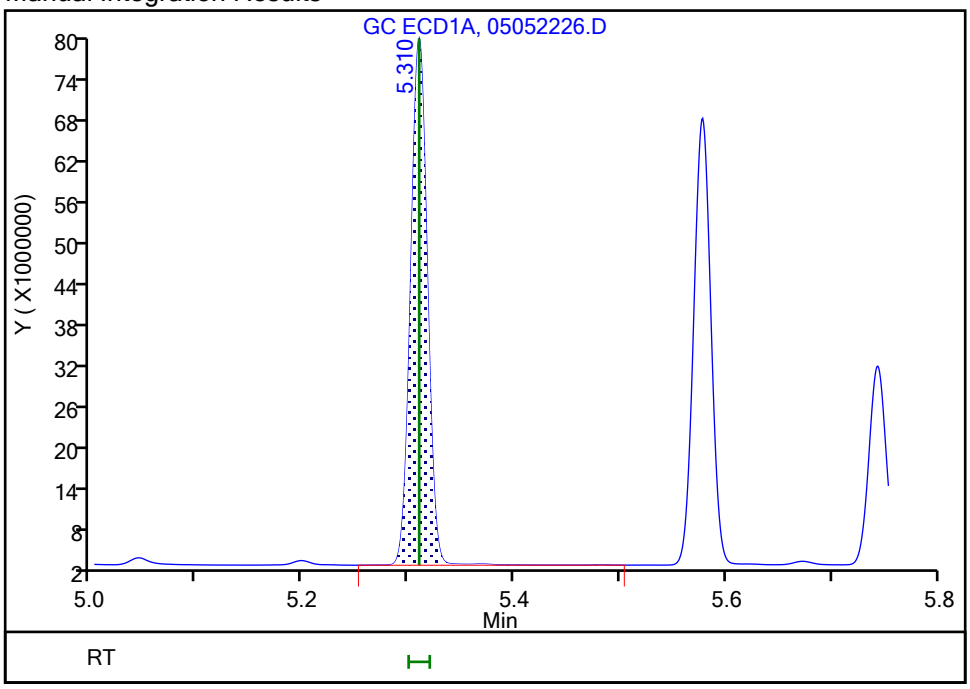
Not Detected
Expected RT: 5.31

Processing Integration Results



Manual Integration Results

RT: 5.31
Height: 77411071
Amount: 0.026953
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:50:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

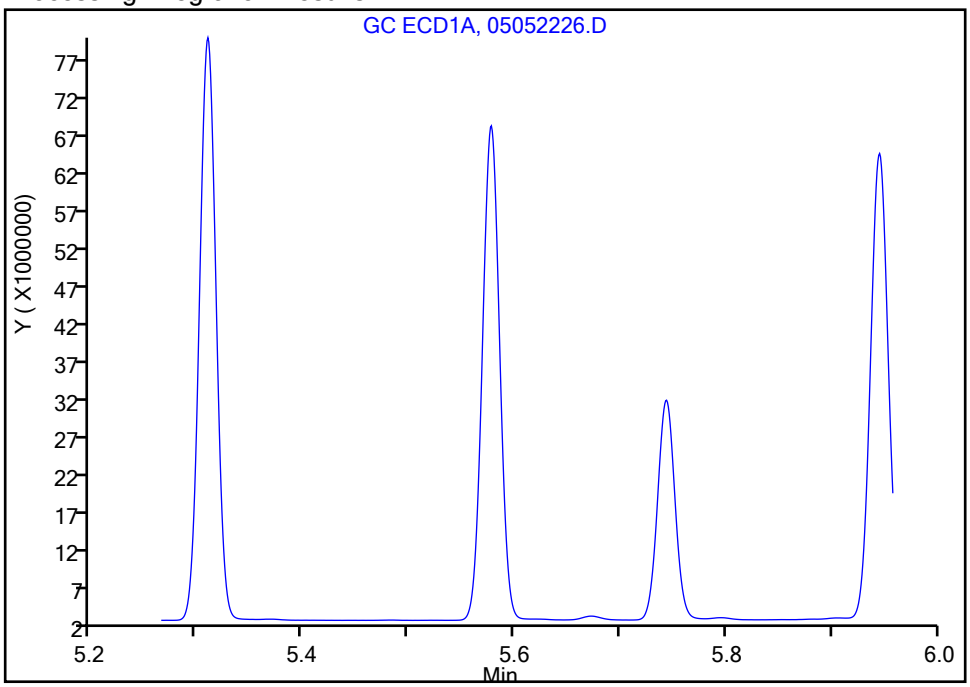
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

7 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

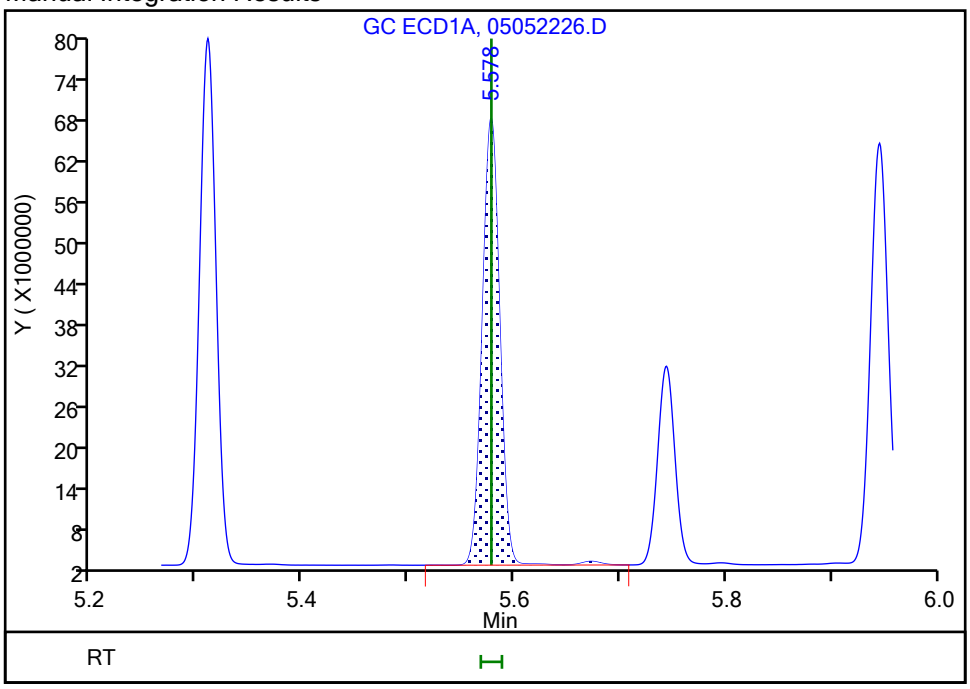
Not Detected
Expected RT: 5.58

Processing Integration Results



Manual Integration Results

RT: 5.58
Height: 65681321
Amount: 0.026606
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

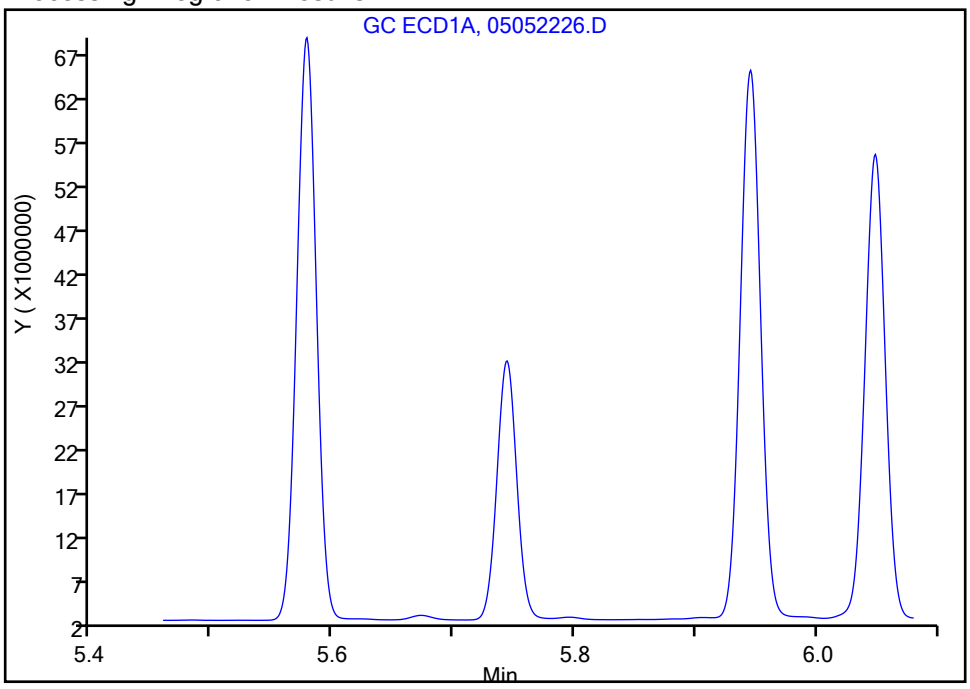
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

8 beta-BHC, CAS: 319-85-7

Signal: 1

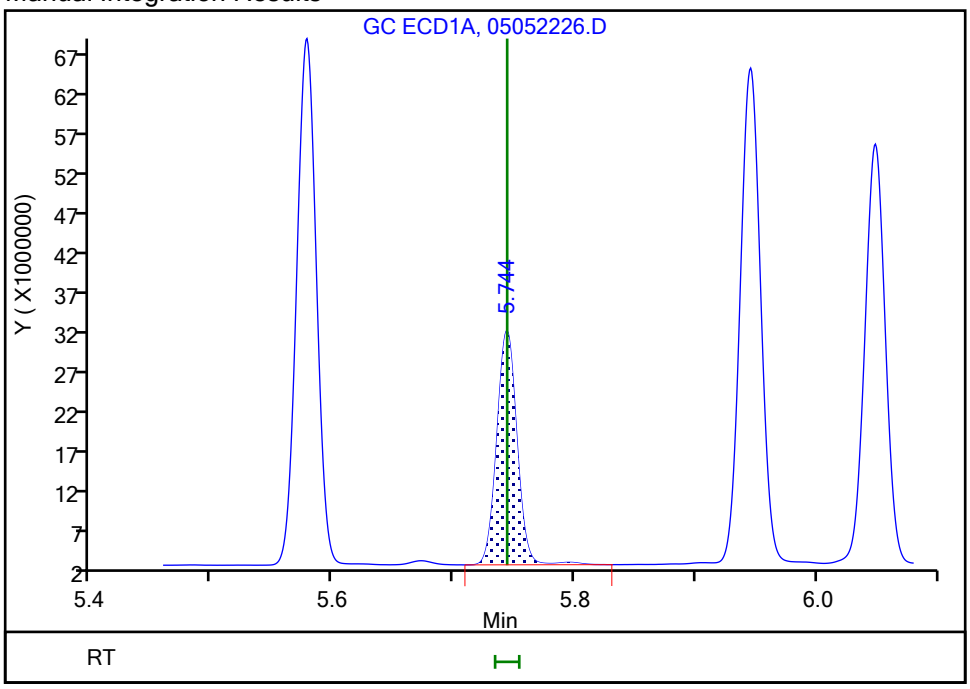
Not Detected
Expected RT: 5.74

Processing Integration Results



Manual Integration Results

RT: 5.74
Height: 29194952
Amount: 0.026043
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

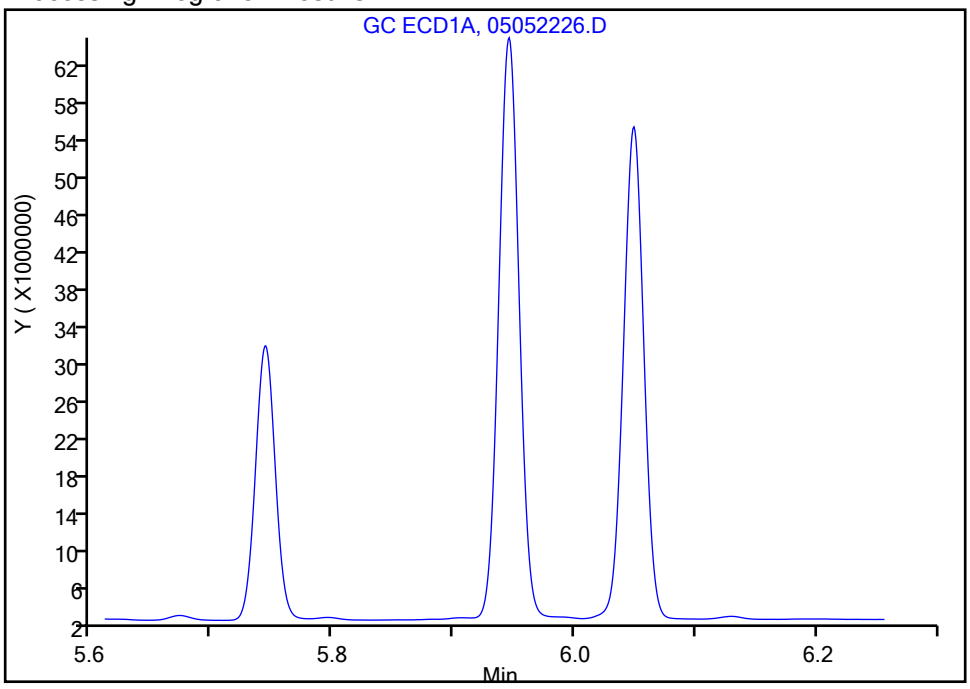
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

10 delta-BHC, CAS: 319-86-8

Signal: 1

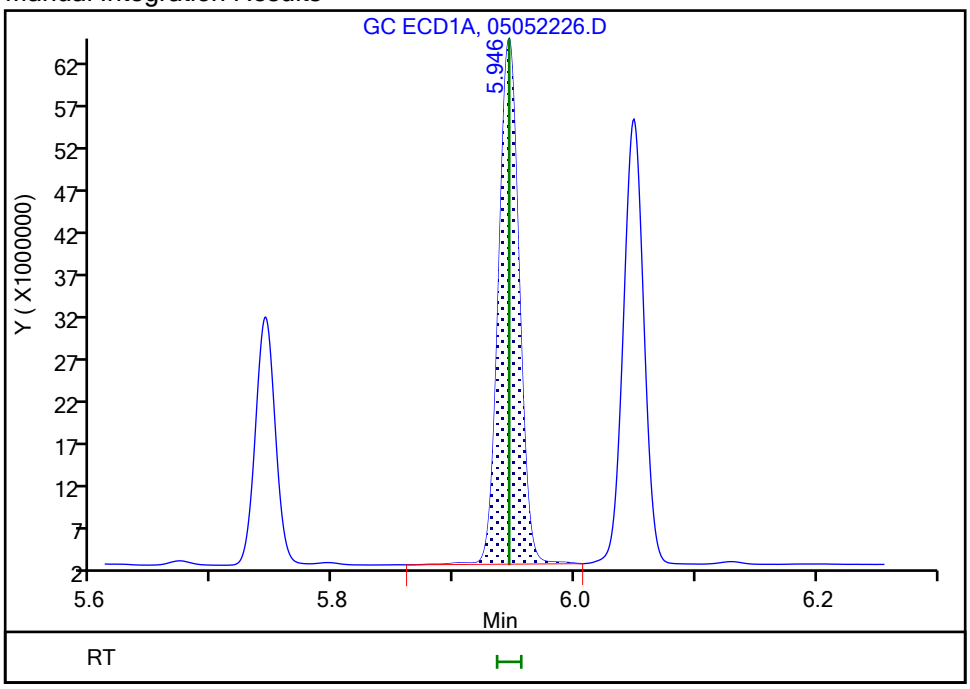
Not Detected
Expected RT: 5.95

Processing Integration Results



Manual Integration Results

RT: 5.95
Height: 61848431
Amount: 0.026441
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

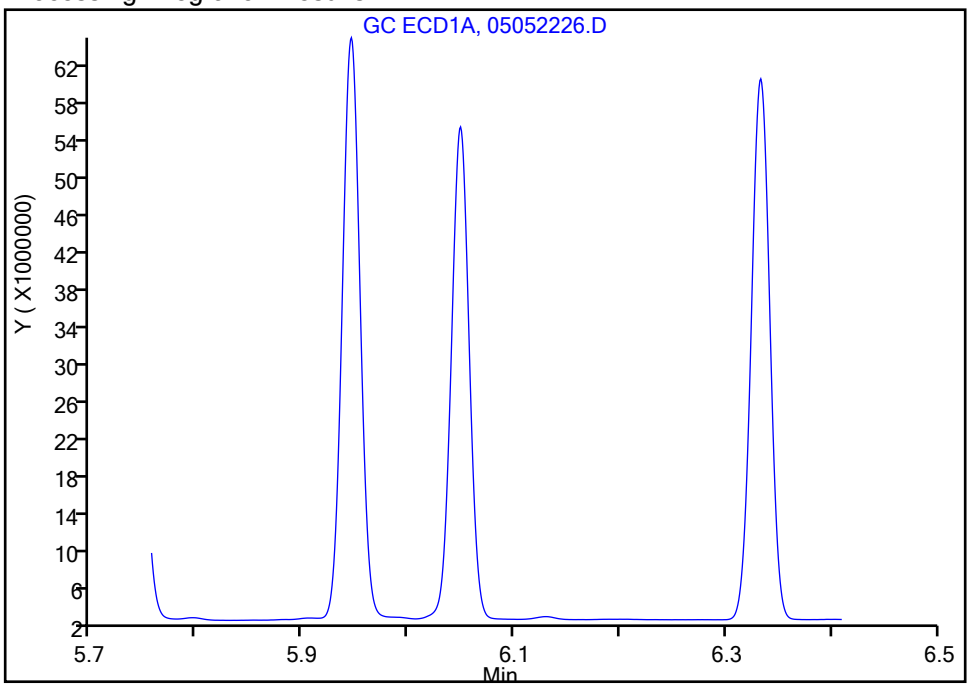
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

11 Heptachlor, CAS: 76-44-8

Signal: 1

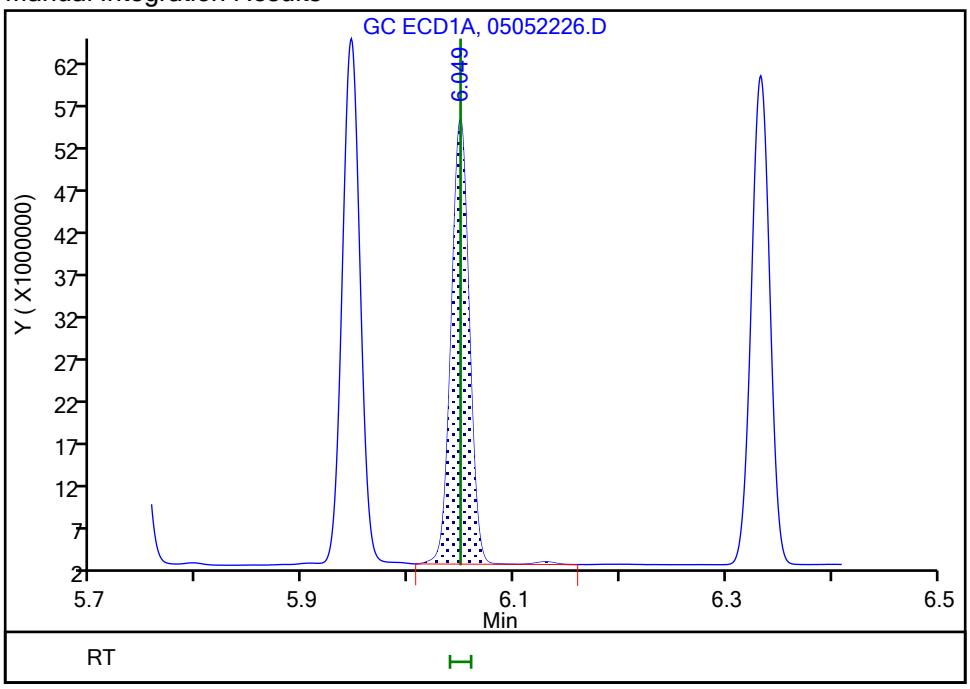
Not Detected
Expected RT: 6.05

Processing Integration Results



Manual Integration Results

RT: 6.05
Height: 52331604
Amount: 0.026459
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

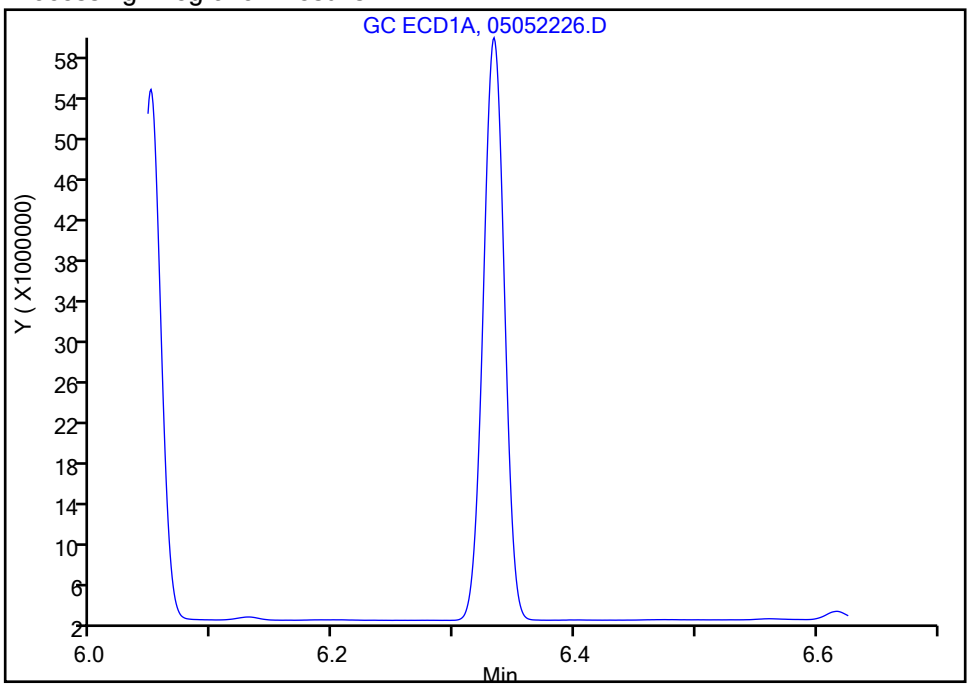
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

13 Aldrin, CAS: 309-00-2

Signal: 1

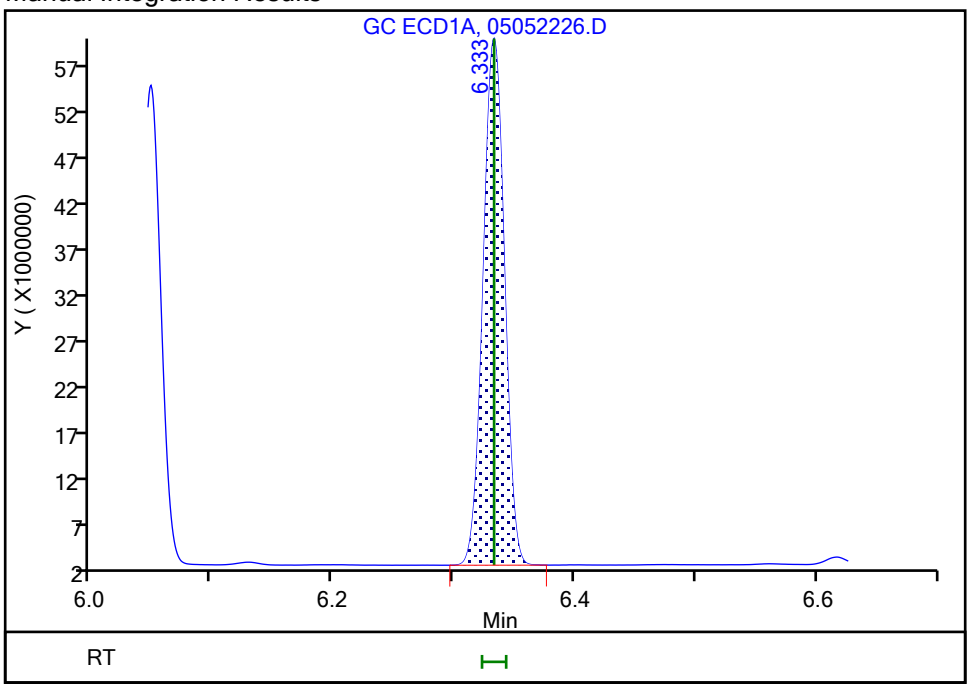
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Height: 57506818
Amount: 0.026613
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

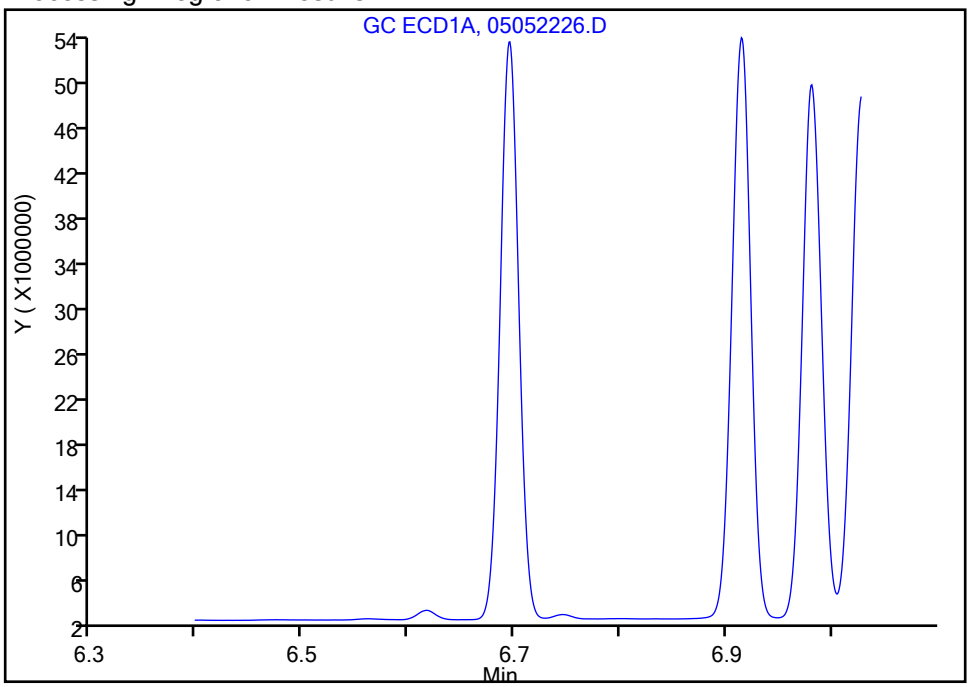
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D		
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17
Lims ID:	ICIS		
Client ID:			
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS
Column:	MR-1 (0.53 mm)	Detector	GC ECD1A

16 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

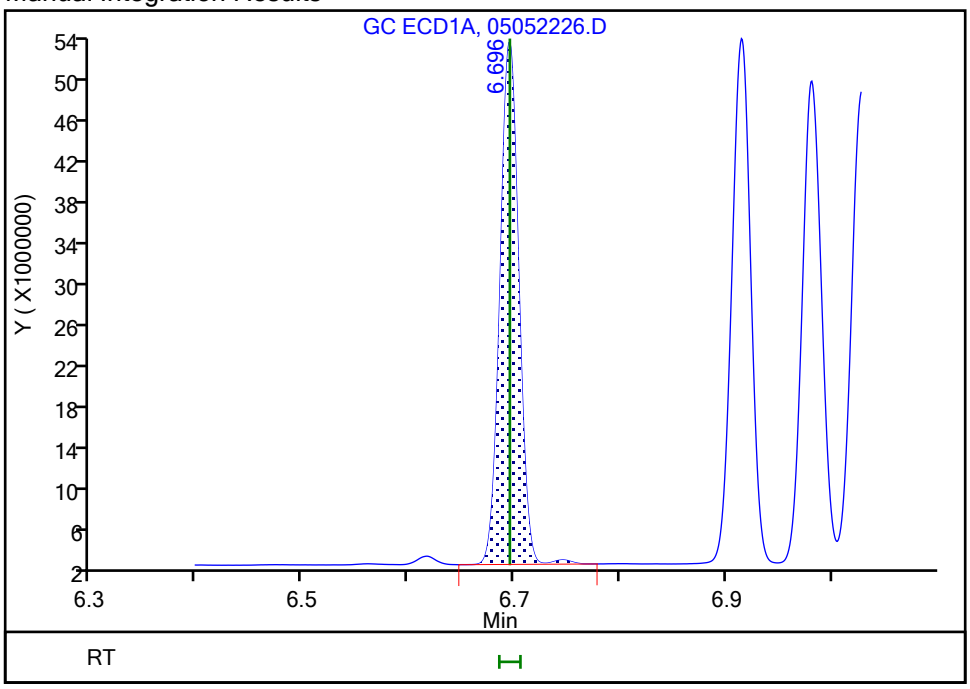
Not Detected
Expected RT: 6.70

Processing Integration Results



Manual Integration Results

RT: 6.70
Height: 50237734
Amount: 0.026862
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

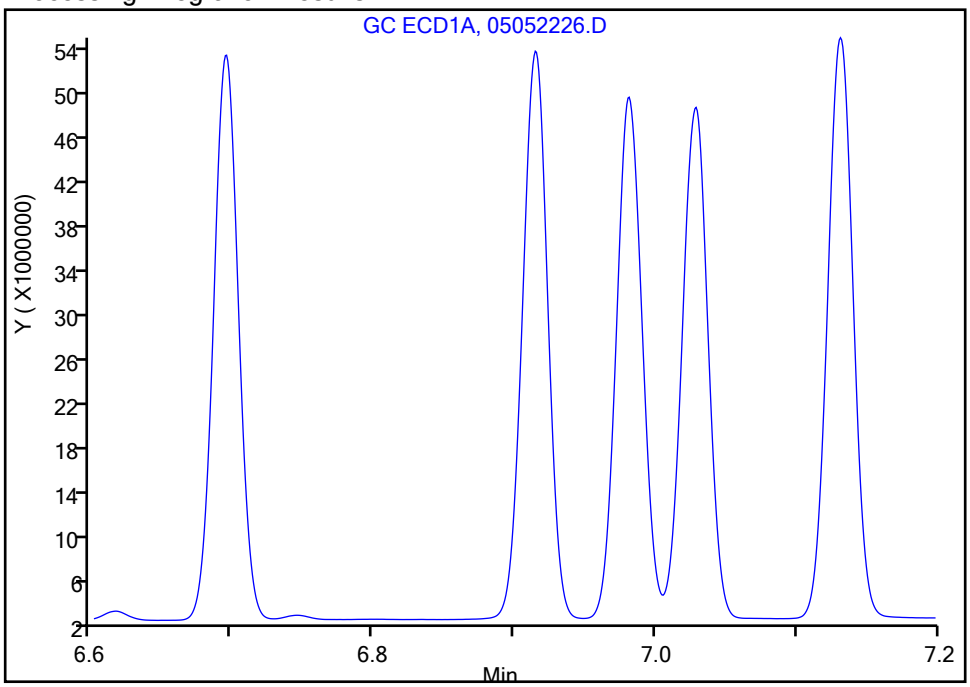
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

18 trans-Chlordane, CAS: 5103-74-2

Signal: 1

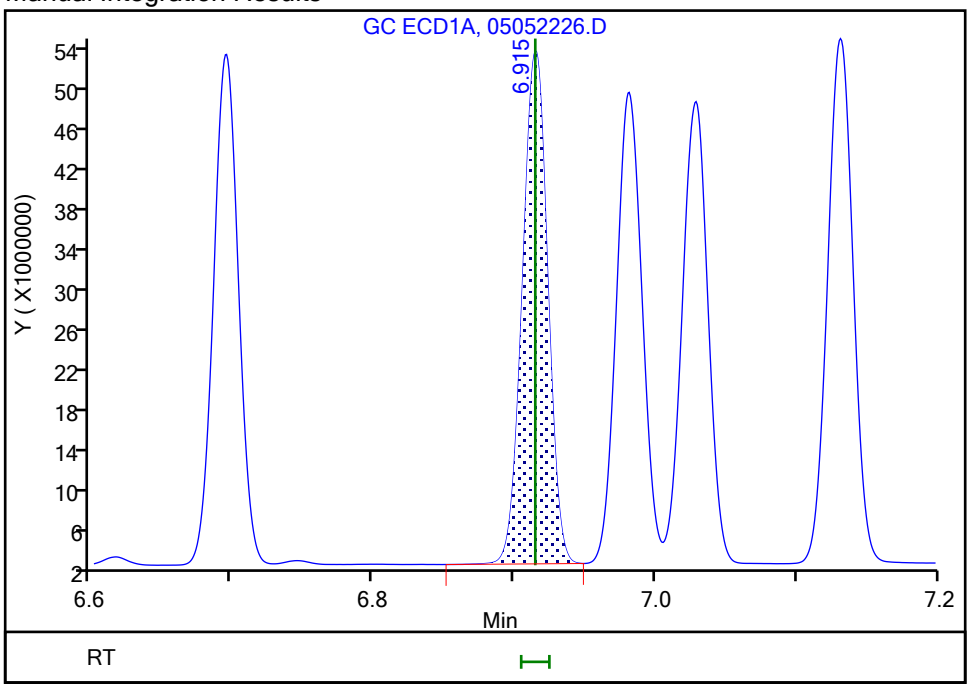
Not Detected
Expected RT: 6.91

Processing Integration Results



Manual Integration Results

RT: 6.91
Height: 50486195
Amount: 0.026119
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

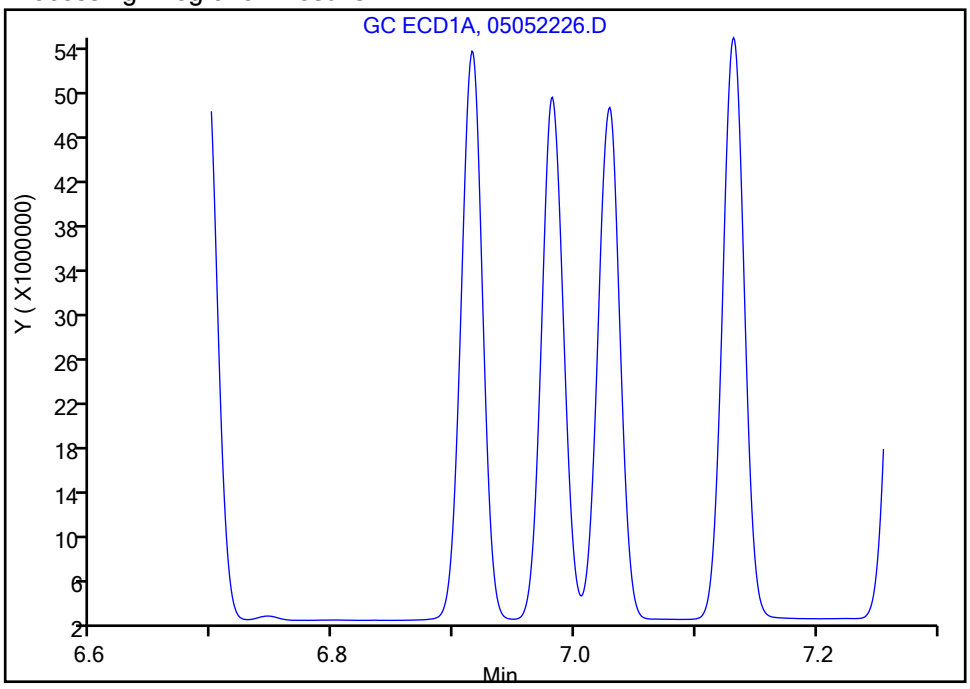
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

20 cis-Chlordane, CAS: 5103-71-9

Signal: 1

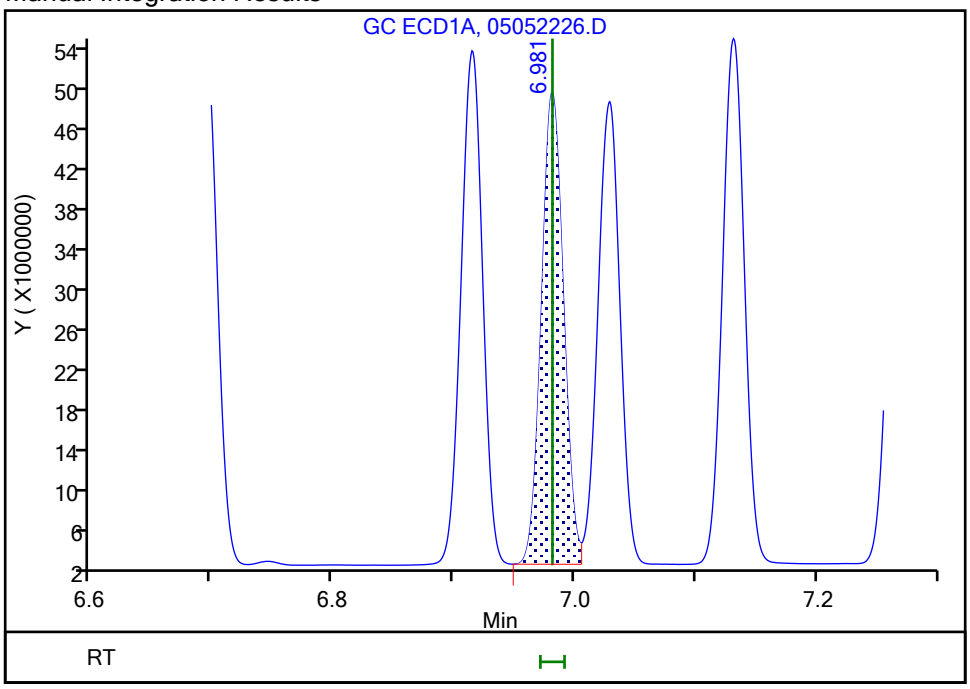
Not Detected
Expected RT: 6.98

Processing Integration Results



Manual Integration Results

RT: 6.98
Height: 46362468
Amount: 0.025424
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

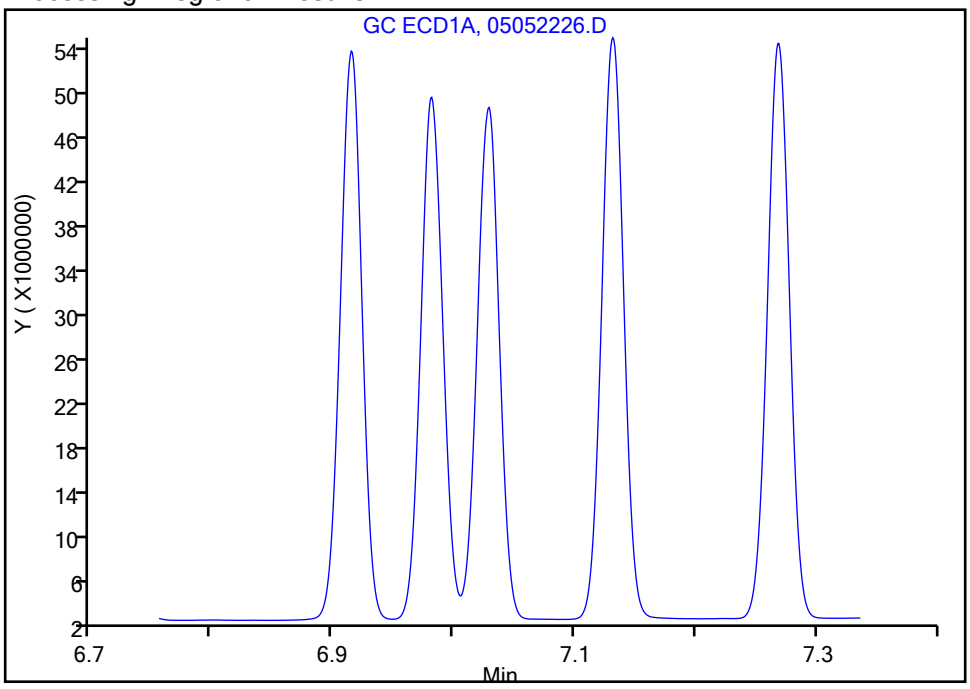
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

22 Endosulfan I, CAS: 959-98-8

Signal: 1

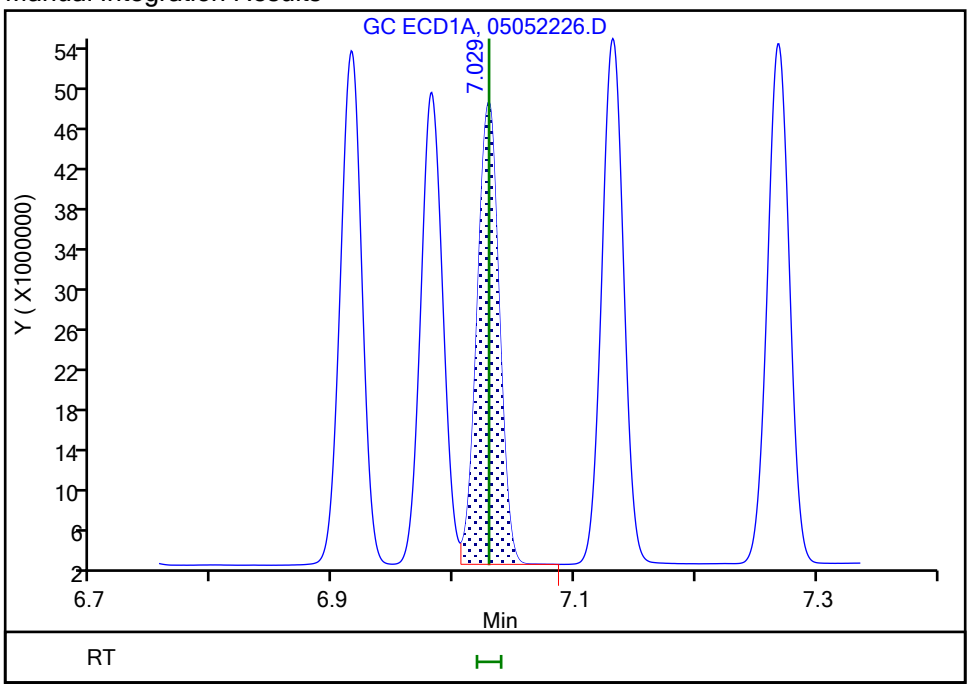
Not Detected
Expected RT: 7.03

Processing Integration Results



Manual Integration Results

RT: 7.03
Height: 45460812
Amount: 0.026169
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

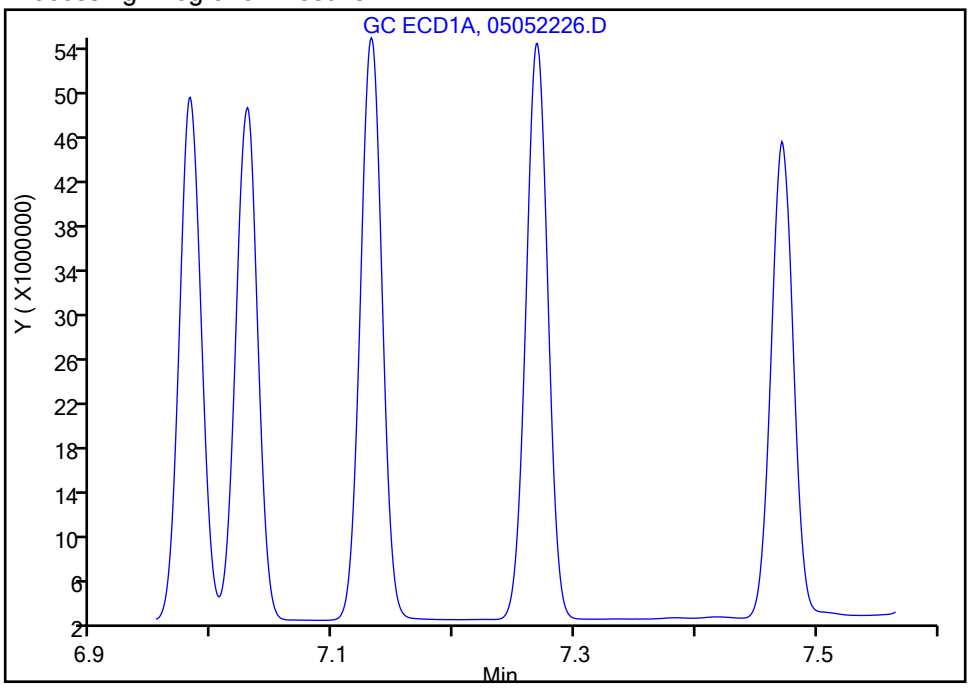
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

26 Dieldrin, CAS: 60-57-1

Signal: 1

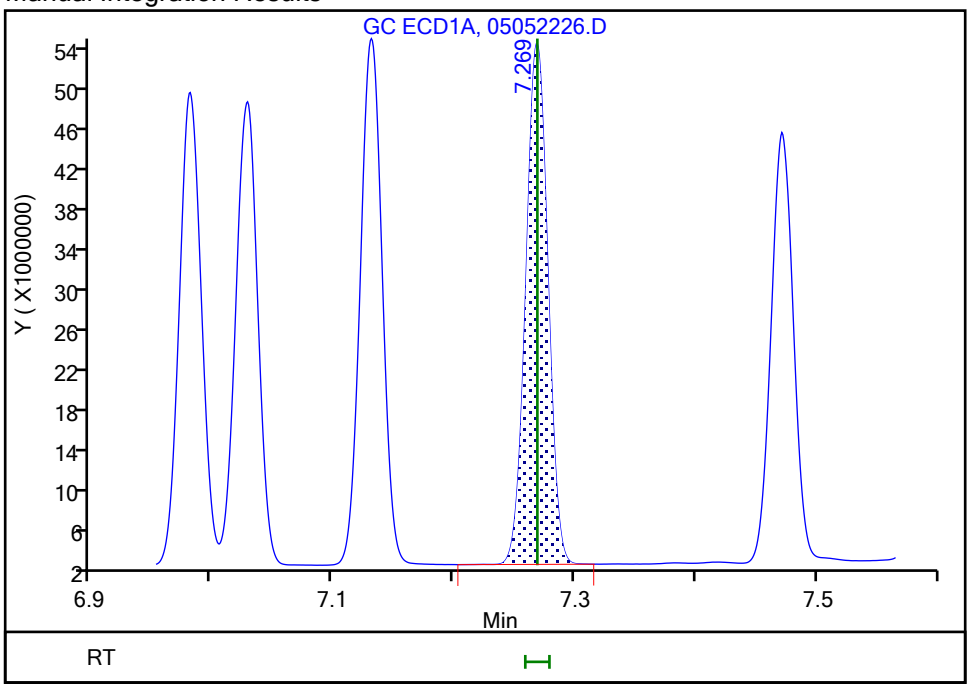
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.27
Height: 51074084
Amount: 0.027784
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

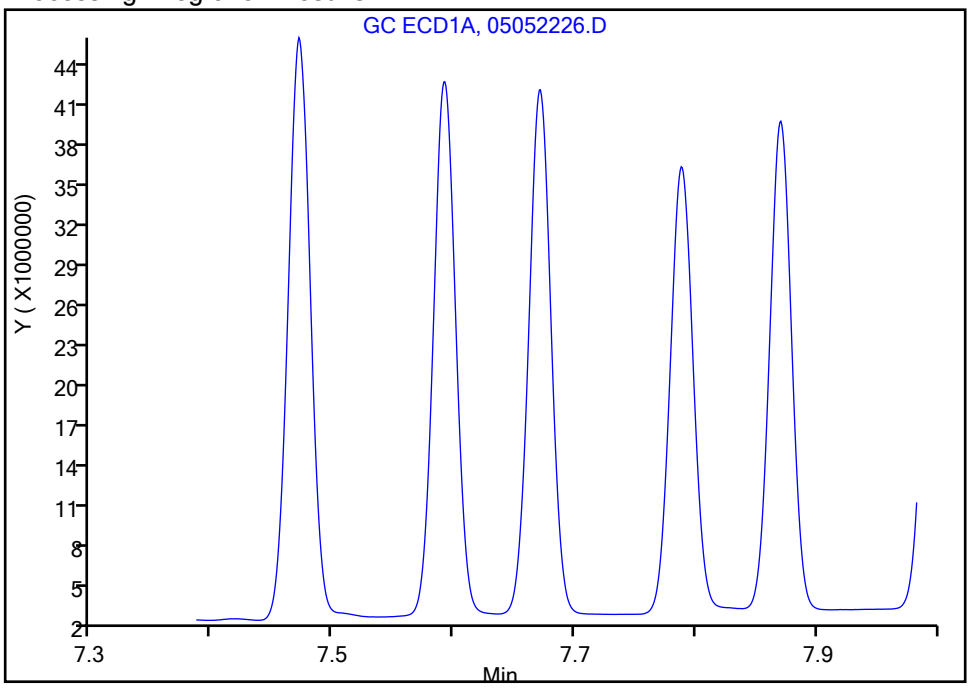
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

31 Endosulfan II, CAS: 33213-65-9

Signal: 1

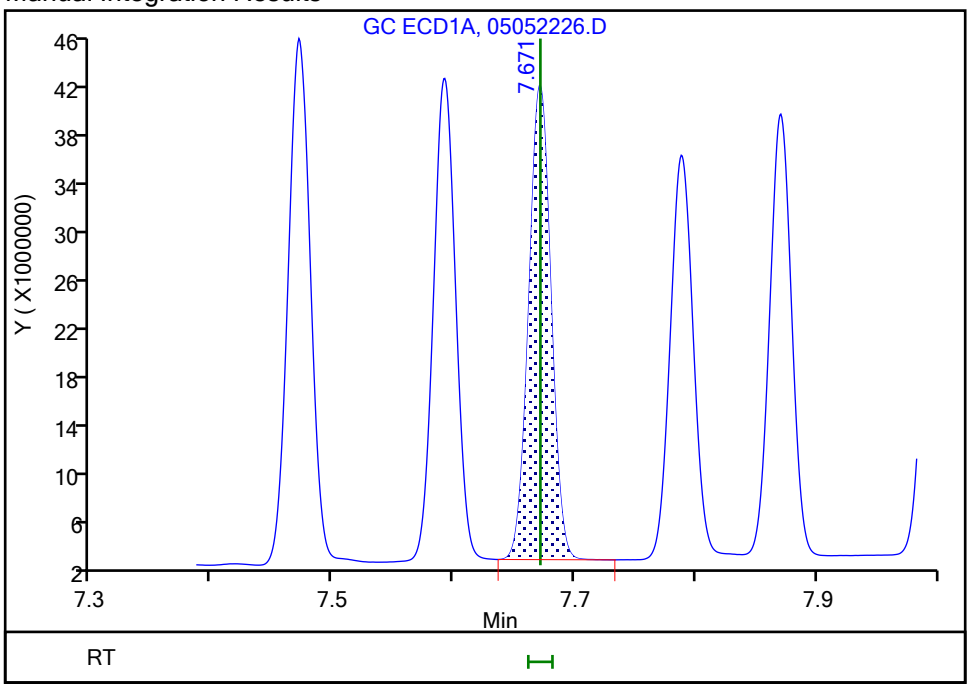
Not Detected
Expected RT: 7.67

Processing Integration Results



Manual Integration Results

RT: 7.67
Height: 38035326
Amount: 0.027836
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

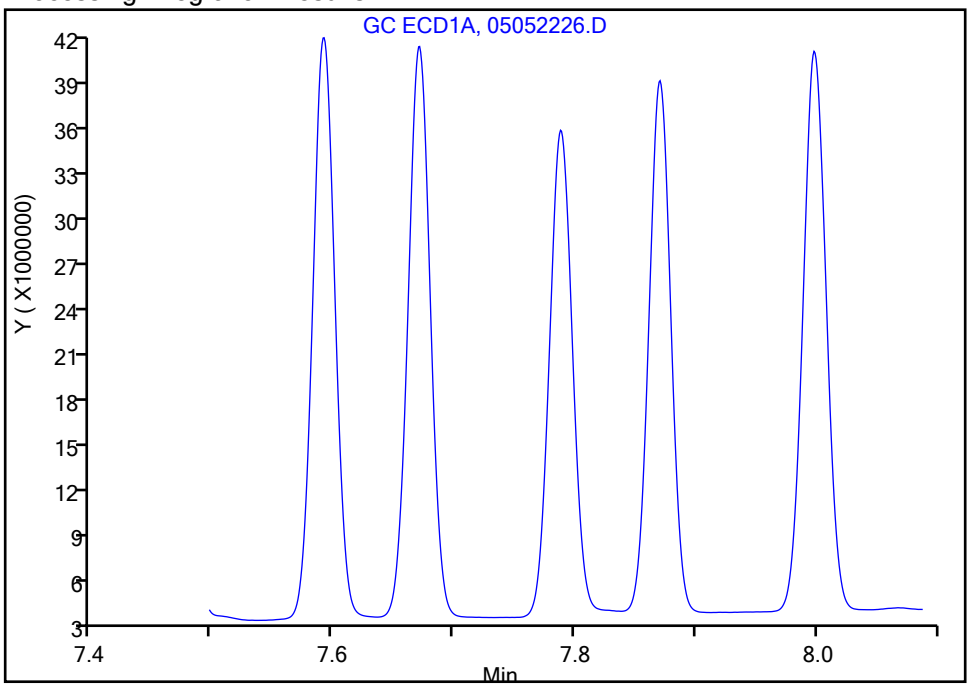
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

32 Endrin aldehyde, CAS: 7421-93-4

Signal: 1

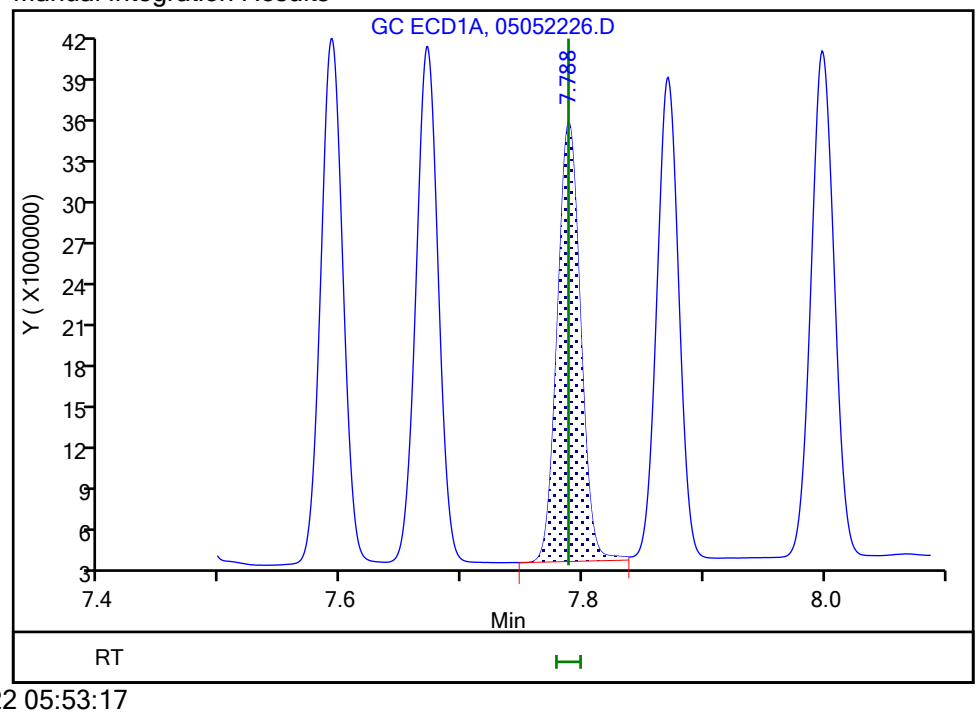
Not Detected
Expected RT: 7.79

Processing Integration Results



Manual Integration Results

RT: 7.79
Height: 32383509
Amount: 0.027280
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

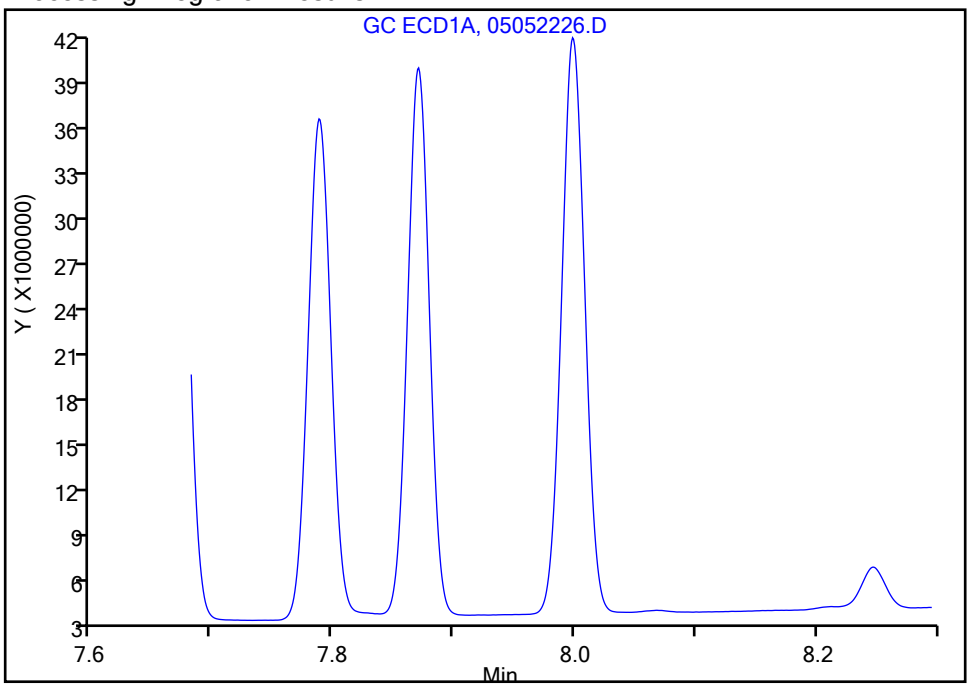
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-1 (0.53 mm)	Detector	GC ECD1A		

34 Endosulfan sulfate, CAS: 1031-07-8

Signal: 1

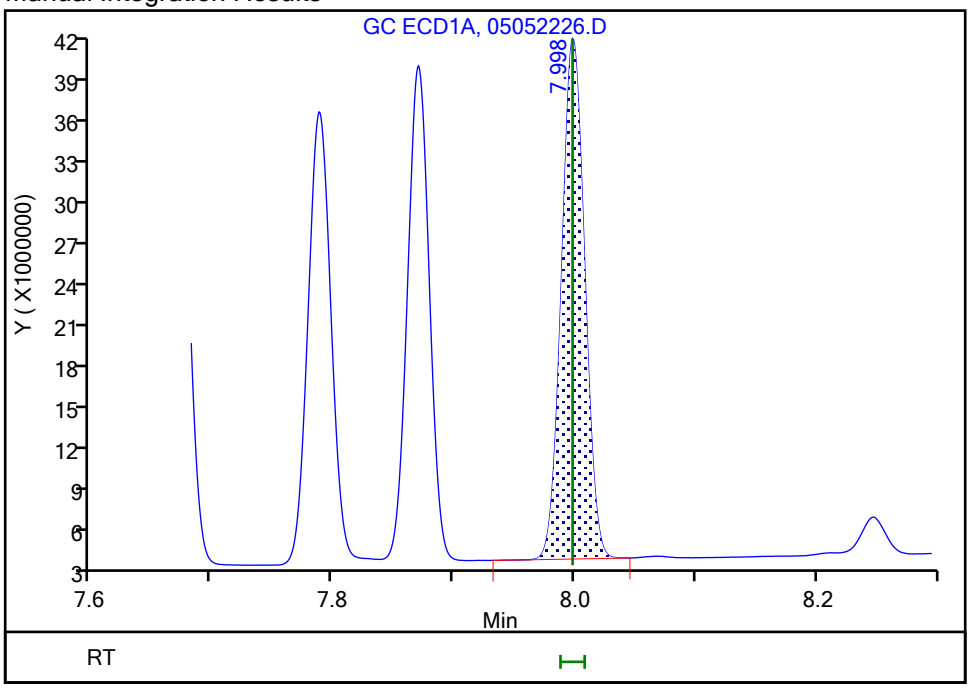
Not Detected
Expected RT: 8.00

Processing Integration Results



Manual Integration Results

RT: 8.00
Height: 37282031
Amount: 0.027118
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

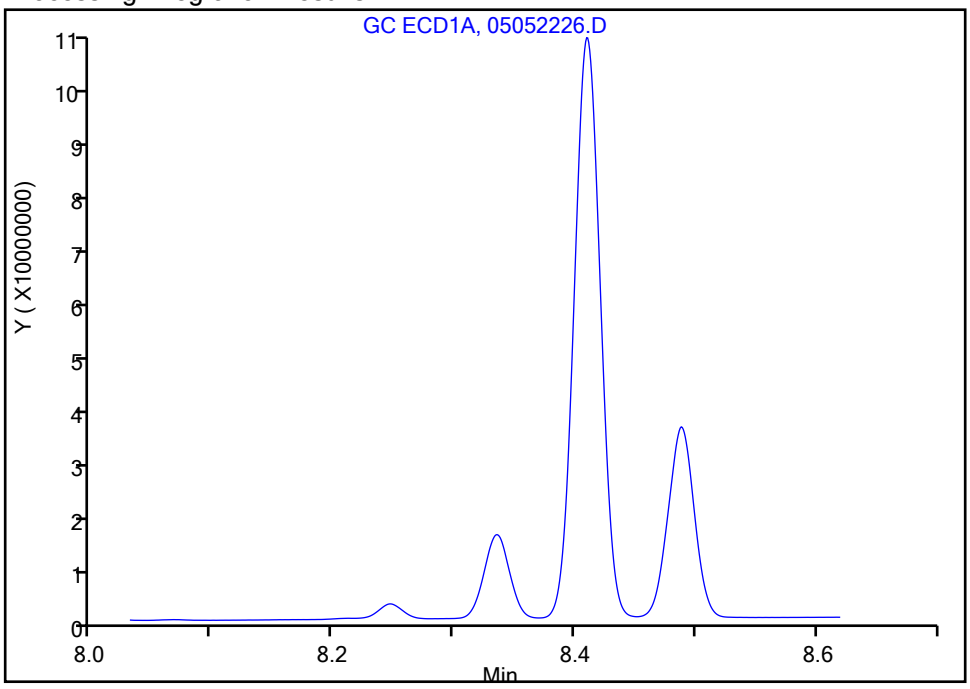
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

35 Methoxychlor, CAS: 72-43-5

Signal: 1

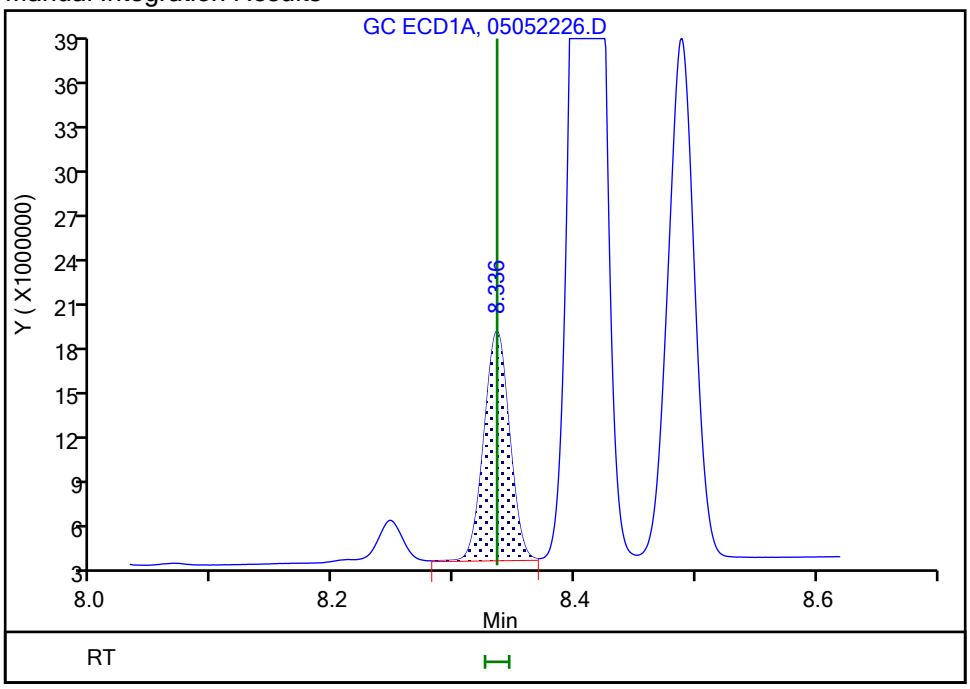
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Height: 14942523
Amount: 0.026587
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

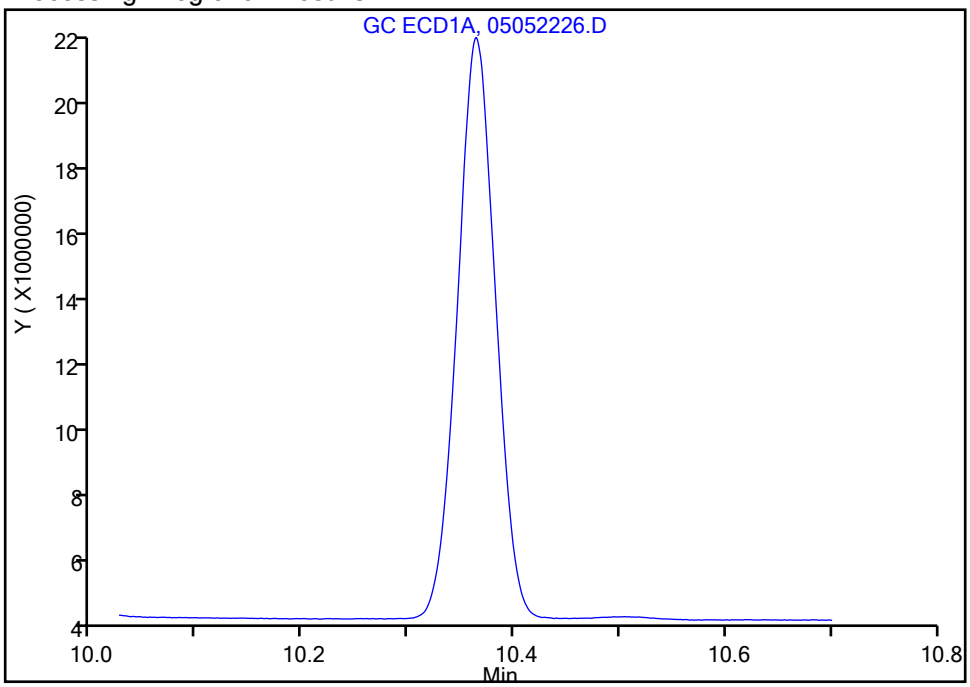
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-1 (0.53 mm)	Detector	GC ECD1A		

$ 39 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

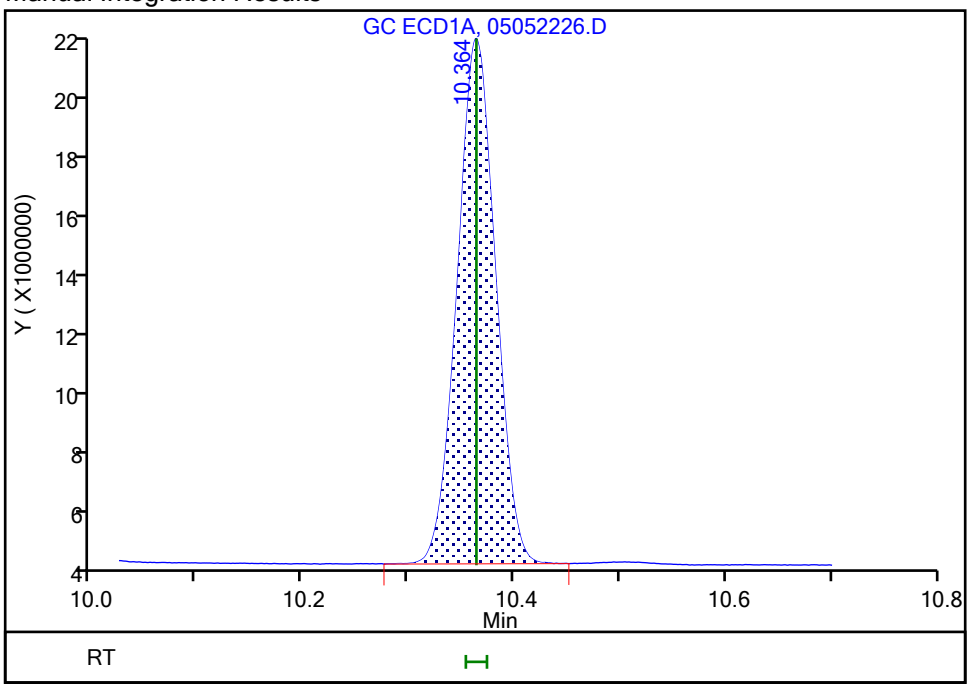
Not Detected
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36
Height: 17255104
Amount: 0.026979
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052227.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 16:30:59 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-027
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:02 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:55:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	136431788H	0.1000	0.1000	
2	4.017	4.017	-0.001	147602547H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.940	4.941	-0.001	117100391H	0.0500	0.0549	
2	4.872	4.873	-0.001	120190835H	0.0500	0.0536	
						RPD = 2.35	
5 alpha-BHC							
1	5.309	5.310	-0.001	155890231H	0.0500	0.0568	
2	5.328	5.329	-0.001	150931543H	0.0500	0.0549	
						RPD = 3.34	
7 gamma-BHC (Lindane)							
1	5.577	5.578	-0.001	133836618H	0.0500	0.0567	
2	5.627	5.627	0.000	126188113H	0.0500	0.0545	
						RPD = 3.94	
8 beta-BHC							
1	5.742	5.744	-0.002	58834439H	0.0500	0.0549	
2	5.867	5.867	0.000	59006403H	0.0500	0.0540	
						RPD = 1.65	
10 delta-BHC							
1	5.945	5.946	-0.001	126911286H	0.0500	0.0568	
2	6.094	6.094	0.000	121875522H	0.0500	0.0552	
						RPD = 2.73	
11 Heptachlor							
1	6.048	6.049	-0.001	105260068H	0.0500	0.0557	
2	5.949	5.949	0.000	103815772H	0.0500	0.0544	
						RPD = 2.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.332	6.333	-0.001	116276713H	0.0500	0.0563	
2	6.215	6.216	-0.001	118111865H	0.0500	0.0554	
						RPD = 1.69	
16 Heptachlor epoxide							
1	6.695	6.696	-0.001	99695827H	0.0500	0.0558	
2	6.659	6.659	0.000	102389107H	0.0500	0.0549	
						RPD = 1.54	
18 trans-Chlordane							
1	6.914	6.915	-0.001	103535597H	0.0500	0.0560	
2	6.887	6.887	0.000	103266055H	0.0500	0.0538	
						RPD = 4.00	
20 cis-Chlordane							
1	6.981	6.981	0.000	93698047H	0.0500	0.0538	
2	6.946	6.946	0.000	102951535H	0.0500	0.0556	
						RPD = 3.33	
22 Endosulfan I							
1	7.027	7.029	-0.002	95289570H	0.0500	0.0574	
2	7.012	7.012	0.000	94695248H	0.0500	0.0550	
						RPD = 4.30	
23 4,4'-DDE							
1	7.131	7.131	0.000	108489538H	0.0500	0.0558	
2	7.082	7.083	-0.001	99326826H	0.0500	0.0546	
						RPD = 2.23	
26 Dieldrin							
1	7.267	7.269	-0.002	104579115H	0.0500	0.0551	
2	7.254	7.255	-0.001	105215470H	0.0500	0.0548	
						RPD = 0.63	
27 Endrin							
1	7.472	7.471	0.001	86320310H	0.0500	0.0549	
2	7.518	7.519	-0.001	83589185H	0.0500	0.0556	
						RPD = 1.25	
30 4,4'-DDD							
1	7.592	7.592	0.000	81039239H	0.0500	0.0550	
2	7.597	7.598	-0.001	83024160H	0.0500	0.0555	
						RPD = 0.80	
31 Endosulfan II							
1	7.671	7.671	0.000	76833333H	0.0500	0.0545	
2	7.780	7.781	-0.001	77909214H	0.0500	0.0553	
						RPD = 1.58	
32 Endrin aldehyde							
1	7.788	7.788	0.000	66990541H	0.0500	0.0547	
2	7.942	7.944	-0.002	66270080H	0.0500	0.0537	
						RPD = 1.81	
33 4,4'-DDT							
1	7.870	7.871	-0.001	72581677H	0.0500	0.0554	
2	7.839	7.841	-0.002	75133685H	0.0500	0.0553	
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	7.998	7.998	0.000	76687663H	0.0500	0.0540	
2	8.161	8.162	-0.001	73553337H	0.0500	0.0547	
						RPD = 1.31	
35 Methoxychlor							
1	8.334	8.336	-0.002	31567806H	0.0500	0.0544	
2	8.393	8.395	-0.002	31942286H	0.0500	0.0551	
						RPD = 1.31	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	-0.001	106506892H	0.1000	0.1000	
2	8.222	8.223	-0.001	114055710H	0.1000	0.1000	
37 Endrin ketone							
1	8.488	8.488	0.000	68397214H	0.0500	0.0546	
2	8.756	8.756	0.000	63028865H	0.0500	0.0550	
						RPD = 0.73	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.362	10.364	-0.002	33893834H	0.0500	0.0513	
2	10.407	10.409	-0.002	32621105H	0.0500	0.0520	
						RPD = 1.31	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL4_00029	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

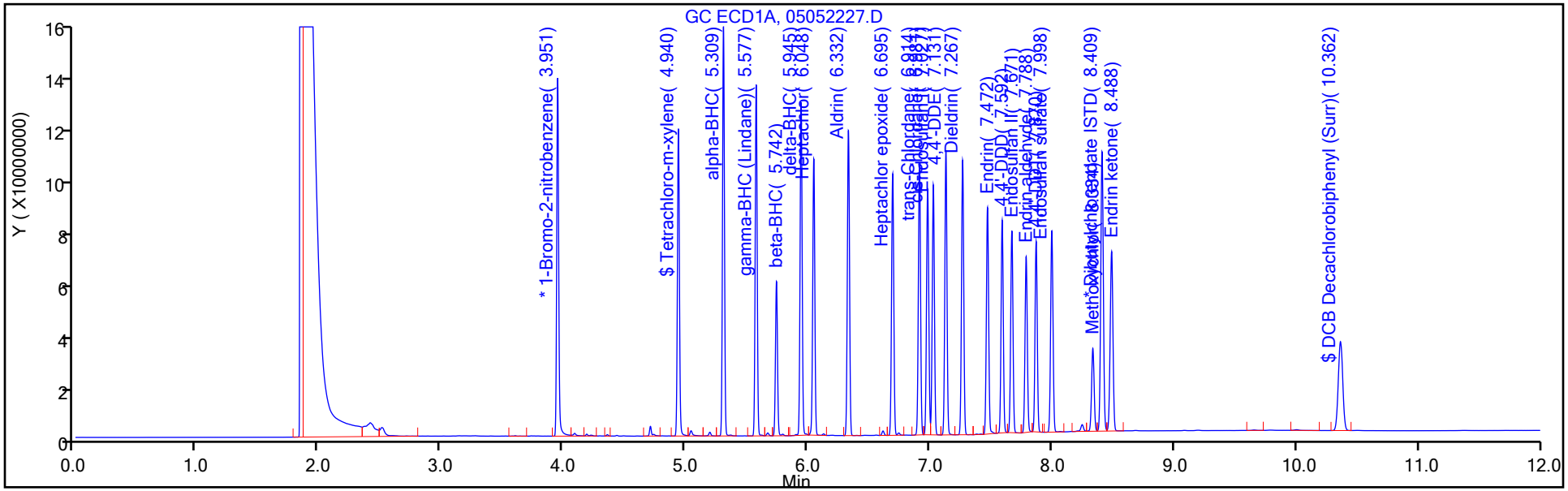
Report Date: 06-May-2022 06:33:02 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

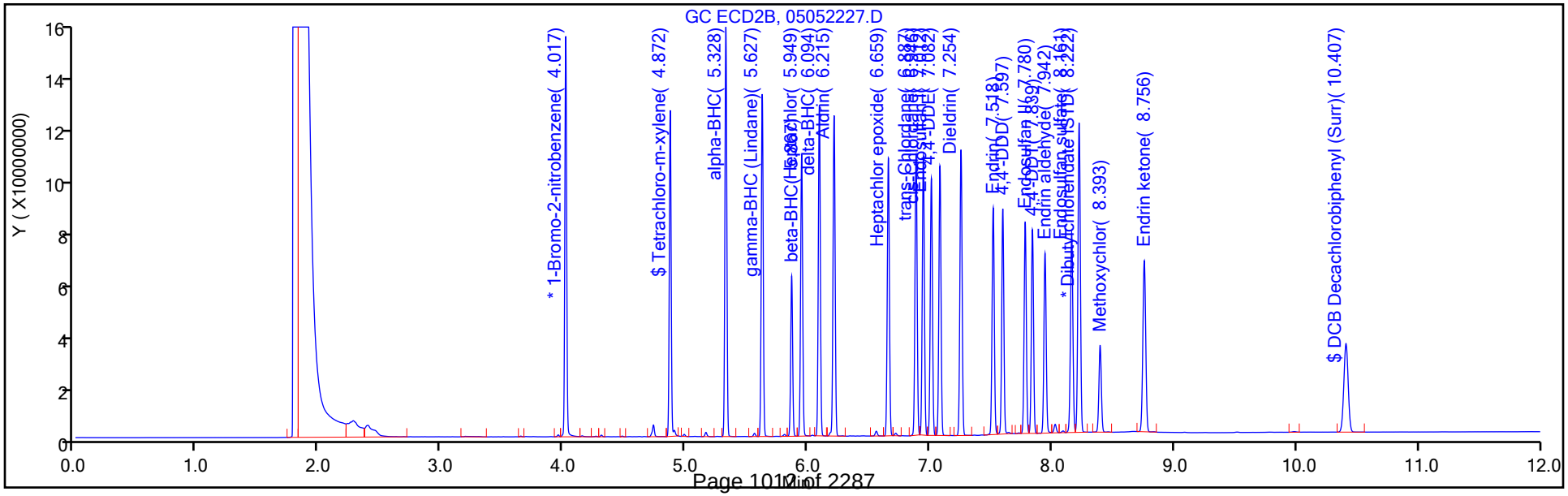
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052227.D

Injection Date:	05-May-2022 16:30:59	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052228.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 16:46:51 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-028
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:06 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:55:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	160680058H	0.1000	0.1000	
2	4.017	4.017	0.000	173471150H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.941	4.941	0.000	221802062H	0.1000	0.0883	
2	4.874	4.873	0.001	223048200H	0.1000	0.0847	
						RPD = 4.19	
5 alpha-BHC							
1	5.311	5.310	0.001	295833490H	0.1000	0.0915	
2	5.330	5.329	0.001	279082202H	0.1000	0.0864	
						RPD = 5.73	
7 gamma-BHC (Lindane)							
1	5.579	5.578	0.001	253217175H	0.1000	0.0911	
2	5.628	5.627	0.001	237589448H	0.1000	0.0874	
						RPD = 4.21	
8 beta-BHC							
1	5.745	5.744	0.001	111861729H	0.1000	0.0886	
2	5.869	5.867	0.002	109358857H	0.1000	0.0852	
						RPD = 4.00	
10 delta-BHC							
1	5.947	5.946	0.001	243154864H	0.1000	0.0923	
2	6.096	6.094	0.002	229115240H	0.1000	0.0884	
						RPD = 4.41	
11 Heptachlor							
1	6.051	6.049	0.002	198011435H	0.1000	0.0889	
2	5.950	5.949	0.001	191492577H	0.1000	0.0854	
						RPD = 4.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.334	6.333	0.001	221071353H	0.1000	0.0909	
2	6.216	6.216	0.000	219243967H	0.1000	0.0874	
						RPD = 3.88	
16 Heptachlor epoxide							
1	6.697	6.696	0.001	188845266H	0.1000	0.0897	
2	6.661	6.659	0.002	186910305H	0.1000	0.0853	
						RPD = 5.02	
18 trans-Chlordane							
1	6.916	6.915	0.001	198712809H	0.1000	0.0913	
2	6.888	6.887	0.001	197364474H	0.1000	0.0876	
						RPD = 4.21	
20 cis-Chlordane							
1	6.983	6.981	0.002	178702984H	0.1000	0.0871	
2	6.948	6.946	0.002	189923474H	0.1000	0.0872	
						RPD = 0.22	
22 Endosulfan I							
1	7.030	7.029	0.001	173479931H	0.1000	0.0887	
2	7.014	7.012	0.002	177976498H	0.1000	0.0879	
						RPD = 0.91	
23 4,4'-DDE							
1	7.132	7.131	0.001	202041258H	0.1000	0.0870	
2	7.084	7.083	0.001	185176821H	0.1000	0.0853	
						RPD = 1.95	
26 Dieldrin							
1	7.270	7.269	0.001	194709748H	0.1000	0.0859	
2	7.256	7.255	0.001	197012456H	0.1000	0.0860	
						RPD = 0.11	
27 Endrin							
1	7.474	7.471	0.003	161282623H	0.1000	0.0859	
2	7.520	7.519	0.001	151565099H	0.1000	0.0845	
						RPD = 1.57	
30 4,4'-DDD							
1	7.594	7.592	0.002	152634294H	0.1000	0.0868	
2	7.599	7.598	0.001	154164228H	0.1000	0.0864	
						RPD = 0.45	
31 Endosulfan II							
1	7.673	7.671	0.002	145610583H	0.1000	0.0864	
2	7.782	7.781	0.001	144543156H	0.1000	0.0861	
						RPD = 0.37	
32 Endrin aldehyde							
1	7.790	7.788	0.002	126473862H	0.1000	0.0864	
2	7.945	7.944	0.001	129013555H	0.1000	0.0877	
						RPD = 1.43	
33 4,4'-DDT							
1	7.872	7.871	0.001	140351705H	0.1000	0.0897	
2	7.841	7.841	0.000	147578869H	0.1000	0.0912	
						RPD = 1.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.001	7.998	0.003	148181501H	0.1000	0.0874	
2	8.163	8.162	0.001	140509770H	0.1000	0.0877	
						RPD = 0.35	
35 Methoxychlor							
1	8.336	8.336	0.000	61843648H	0.1000	0.0892	
2	8.396	8.395	0.001	61617276H	0.1000	0.0892	
						RPD = 0.06	
* 36 Dibutylchlorendate ISTD							
1	8.412	8.410	0.003	127194864H	0.1000	0.1000	
2	8.225	8.223	0.002	135972501H	0.1000	0.1000	
37 Endrin ketone							
1	8.491	8.488	0.003	130197488H	0.1000	0.0871	
2	8.758	8.756	0.002	121524971H	0.1000	0.0890	
						RPD = 2.19	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.366	10.364	0.002	64424330H	0.1000	0.0817	
2	10.411	10.409	0.002	62214973H	0.1000	0.0832	
						RPD = 1.82	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL5_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

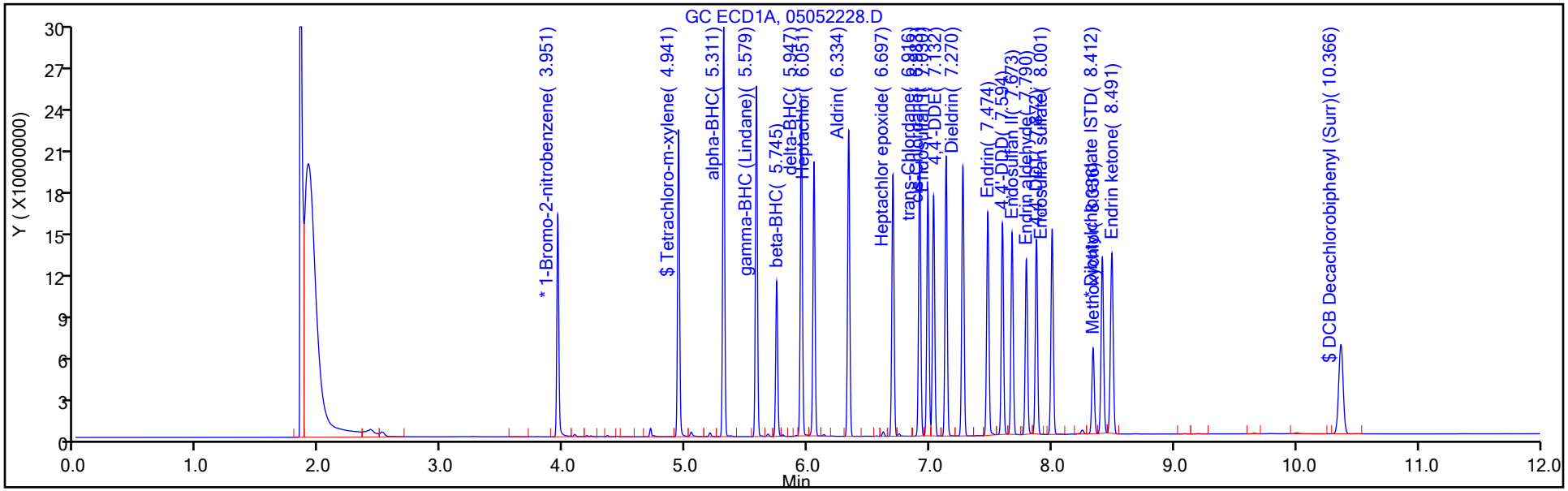
Report Date: 06-May-2022 06:33:06 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

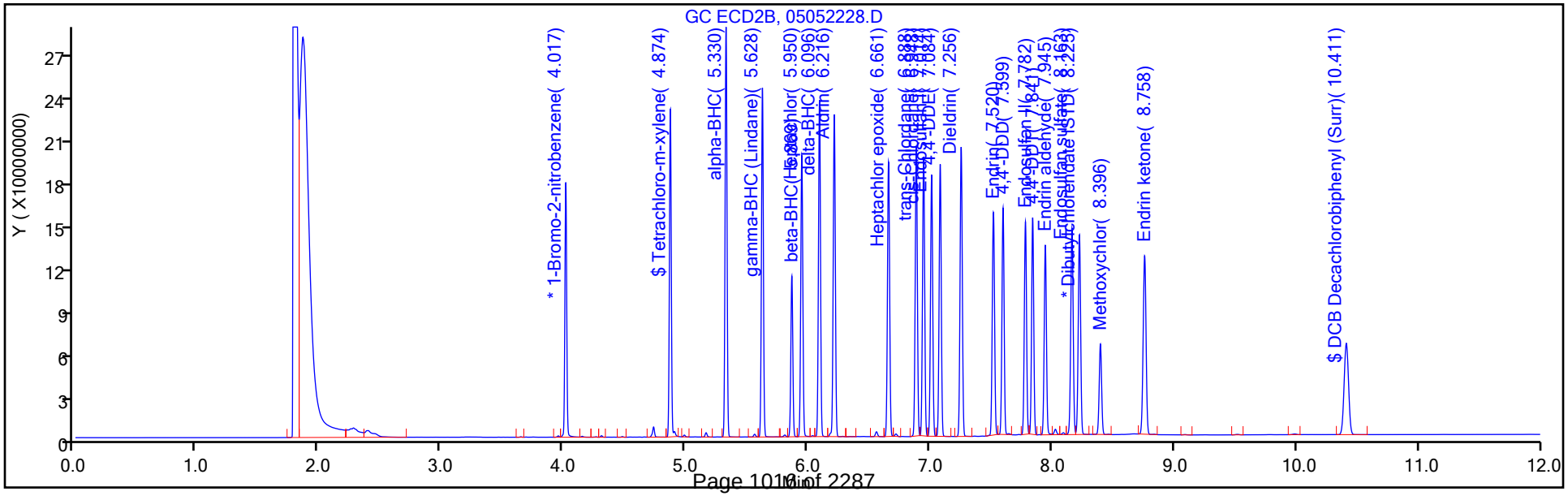
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052228.D

Injection Date:	05-May-2022 16:46:51	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-May-2022 17:02:49 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-029
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 06:10:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.953	3.951	0.002	164911143H	0.1000	0.1000	
2	4.019	4.017	0.002	176917979H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.944	4.941	0.003	436237213H	0.2000	0.1693	
2	4.877	4.873	0.004	425610413H	0.2000	0.1585	
						RPD = 6.58	
5 alpha-BHC							
1	5.313	5.310	0.003	585713118H	0.2000	0.1765	
2	5.332	5.329	0.003	541600714H	0.2000	0.1644	
						RPD = 7.09	
7 gamma-BHC (Lindane)							
1	5.581	5.578	0.003	490574249H	0.2000	0.1720	
2	5.631	5.627	0.004	458164175H	0.2000	0.1652	
						RPD = 4.04	
8 beta-BHC							
1	5.747	5.744	0.003	223939741H	0.2000	0.1729	
2	5.872	5.867	0.005	213885902H	0.2000	0.1633	
						RPD = 5.69	
10 delta-BHC							
1	5.949	5.946	0.003	479356556H	0.2000	0.1774	
2	6.098	6.094	0.004	443543870H	0.2000	0.1677	
						RPD = 5.60	
11 Heptachlor							
1	6.053	6.049	0.004	393657967H	0.2000	0.1723	
2	5.953	5.949	0.004	374900233H	0.2000	0.1640	
						RPD = 4.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.337	6.333	0.004	422803619H	0.2000	0.1694	
2	6.220	6.216	0.004	416532800H	0.2000	0.1629	
						RPD = 3.91	
16 Heptachlor epoxide							
1	6.700	6.696	0.004	370352528H	0.2000	0.1714	
2	6.664	6.659	0.005	360711825H	0.2000	0.1614	
						RPD = 6.00	
18 trans-Chlordane							
1	6.918	6.915	0.003	391292746H	0.2000	0.1752	
2	6.892	6.887	0.005	383566682H	0.2000	0.1668	
						RPD = 4.89	
20 cis-Chlordane							
1	6.986	6.981	0.005	361304526H	0.2000	0.1715	
2	6.951	6.946	0.005	368876619H	0.2000	0.1661	
						RPD = 3.17	
22 Endosulfan I							
1	7.032	7.029	0.003	339305611H	0.2000	0.1691	
2	7.017	7.012	0.005	337906818H	0.2000	0.1636	
						RPD = 3.25	
23 4,4'-DDE							
1	7.135	7.131	0.004	399797604H	0.2000	0.1767	
2	7.087	7.083	0.004	362966413H	0.2000	0.1667	
						RPD = 5.82	
26 Dieldrin							
1	7.272	7.269	0.003	387685172H	0.2000	0.1756	
2	7.259	7.255	0.004	383676524H	0.2000	0.1670	
						RPD = 5.02	
27 Endrin							
1	7.477	7.471	0.006	317567573H	0.2000	0.1736	
2	7.523	7.519	0.004	303175378H	0.2000	0.1686	
						RPD = 2.92	
30 4,4'-DDD							
1	7.596	7.592	0.004	309225588H	0.2000	0.1805	
2	7.602	7.598	0.004	309874703H	0.2000	0.1731	
						RPD = 4.16	
31 Endosulfan II							
1	7.675	7.671	0.004	287609354H	0.2000	0.1752	
2	7.785	7.781	0.004	287927420H	0.2000	0.1710	
						RPD = 2.44	
32 Endrin aldehyde							
1	7.792	7.788	0.004	246789318H	0.2000	0.1731	
2	7.947	7.944	0.003	252885826H	0.2000	0.1713	
						RPD = 1.04	
33 4,4'-DDT							
1	7.875	7.871	0.004	290943747H	0.2000	0.1908	
2	7.845	7.841	0.004	287058378H	0.2000	0.1768	
						RPD = 7.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.003	7.998	0.005	298620737H	0.2000	0.1808	
2	8.167	8.162	0.005	278130584H	0.2000	0.1731	
						RPD = 4.37	
35 Methoxychlor							
1	8.339	8.336	0.003	122911103H	0.2000	0.1821	
2	8.399	8.395	0.004	119024663H	0.2000	0.1718	
						RPD = 5.83	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	123909865H	0.1000	0.1000	
2	8.227	8.223	0.004	136385995H	0.1000	0.1000	
37 Endrin ketone							
1	8.493	8.488	0.005	265536680H	0.2000	0.1824	
2	8.762	8.756	0.006	242521400H	0.2000	0.1771	
						RPD = 2.91	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.372	10.364	0.008	130388563H	0.2000	0.1697	
2	10.415	10.409	0.006	123344348H	0.2000	0.1644	
						RPD = 3.17	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL6_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

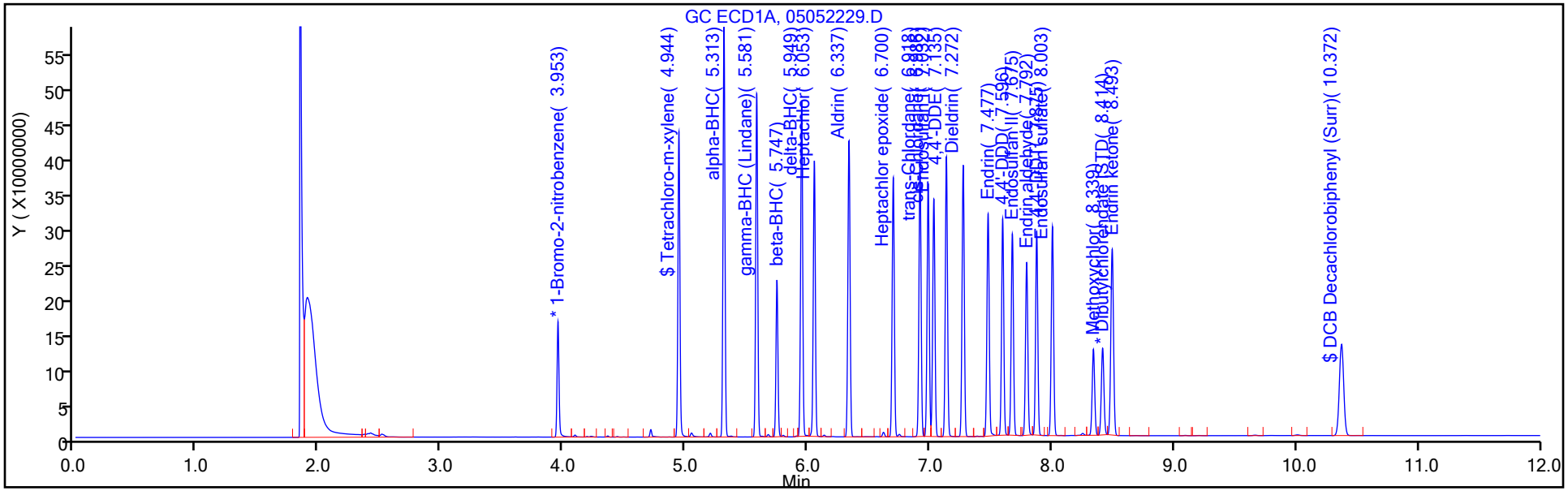
Report Date: 06-May-2022 06:33:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

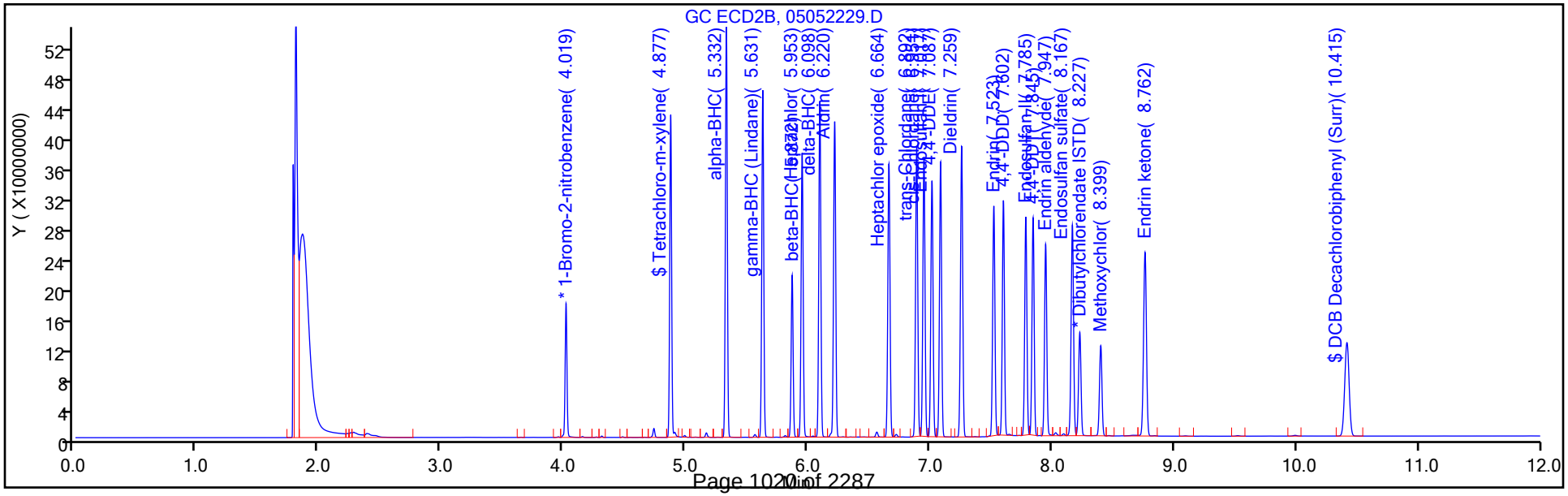
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Injection Date:	05-May-2022 17:02:49	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Tetrachloro-m-xylene

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

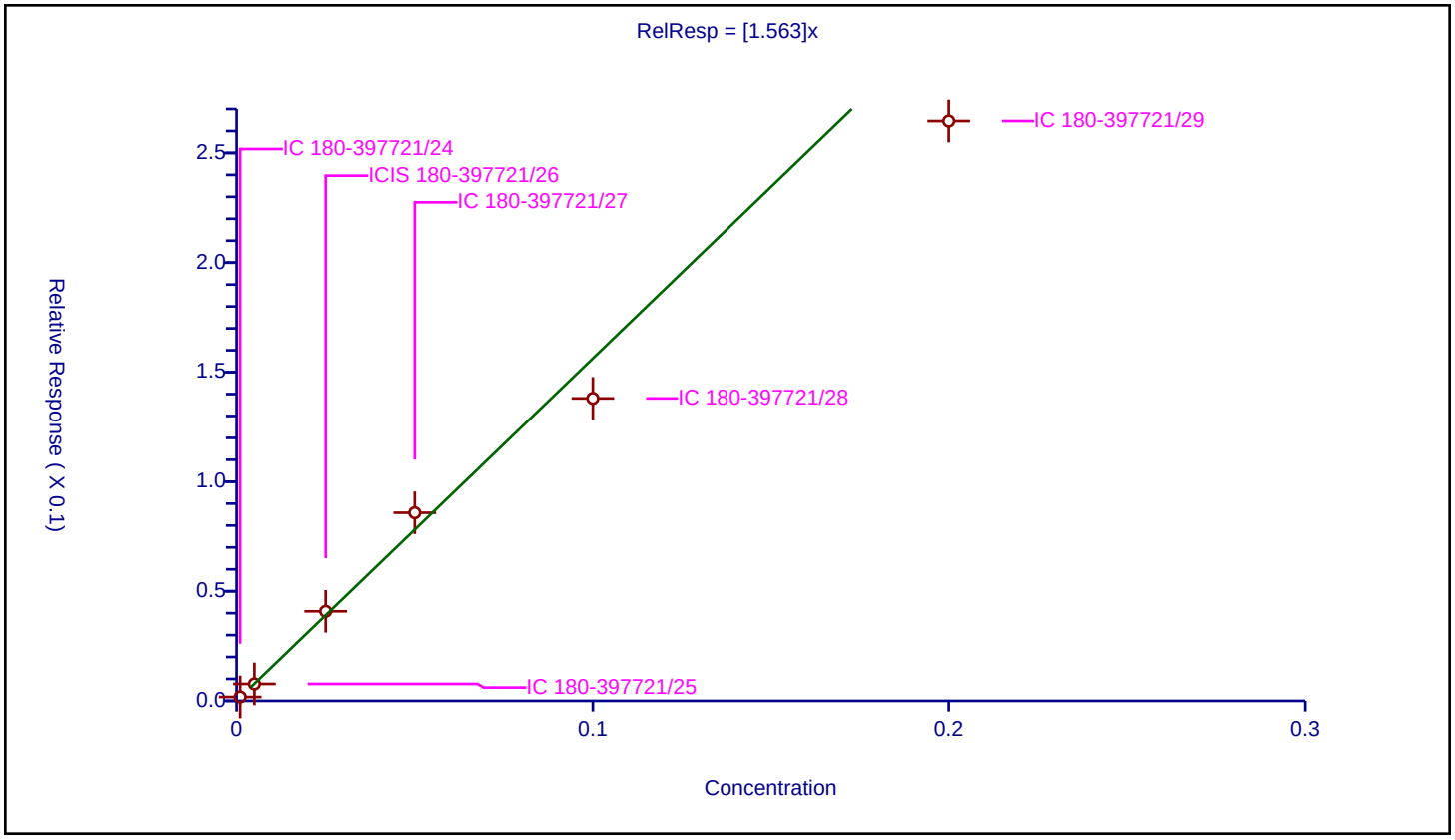
Curve Coefficients

Intercept:	0
Slope:	1.563

Error Coefficients

Standard Error:	227000000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001776	0.1	147409721.0	1.77612	Y
2	IC 180-397721/25	0.005	0.007734	0.1	150957310.0	1.546751	Y
3	ICIS 180-397721/26	0.025	0.040852	0.1	142733057.0	1.634065	Y
4	IC 180-397721/27	0.05	0.085831	0.1	136431788.0	1.716614	Y
5	IC 180-397721/28	0.1	0.13804	0.1	160680058.0	1.380396	Y
6	IC 180-397721/29	0.2	0.264529	0.1	164911143.0	1.322643	Y



Calibration / alpha-BHC

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

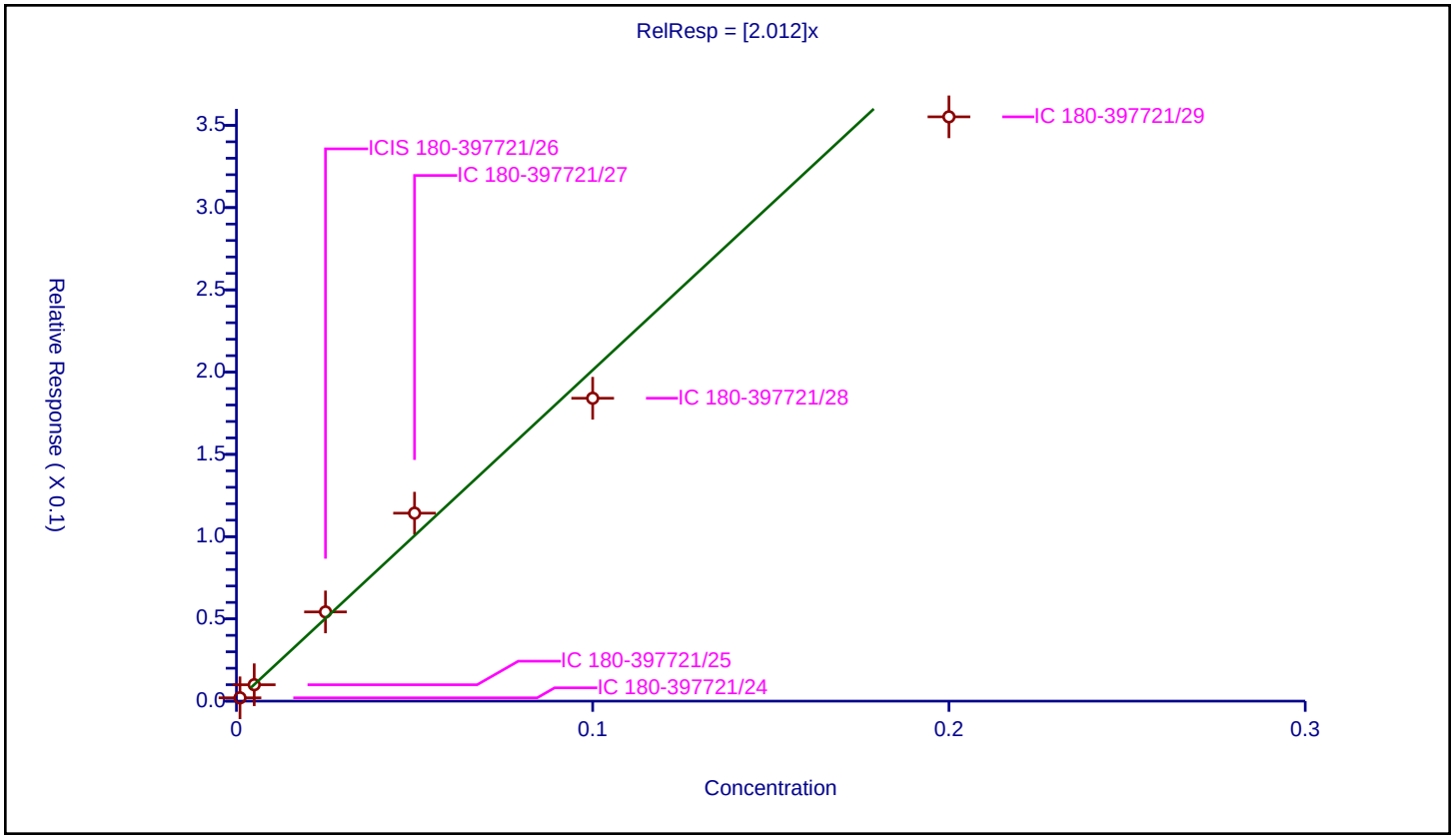
Curve Coefficients

Intercept:	0
Slope:	2.012

Error Coefficients

Standard Error:	304000000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.002009	0.1	147409721.0	2.009342	Y
2	IC 180-397721/25	0.005	0.009962	0.1	150957310.0	1.992372	Y
3	ICIS 180-397721/26	0.025	0.054235	0.1	142733057.0	2.169394	Y
4	IC 180-397721/27	0.05	0.114262	0.1	136431788.0	2.285248	Y
5	IC 180-397721/28	0.1	0.184113	0.1	160680058.0	1.841134	Y
6	IC 180-397721/29	0.2	0.355169	0.1	164911143.0	1.775845	Y



Calibration / gamma-BHC (Lindane)

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

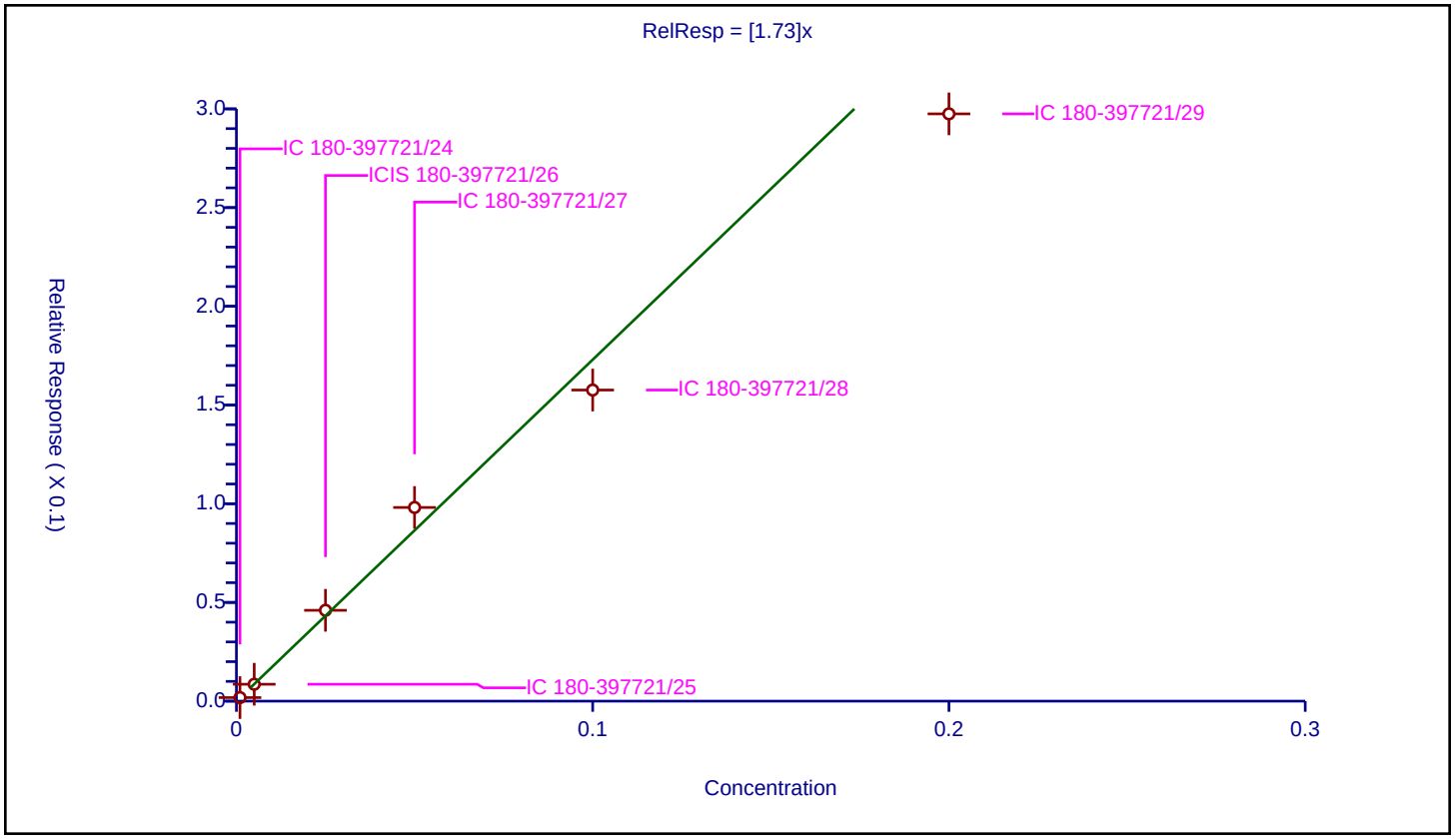
Curve Coefficients

Intercept:	0
Slope:	1.73

Error Coefficients

Standard Error:	256000000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001799	0.1	147409721.0	1.798536	Y
2	IC 180-397721/25	0.005	0.008564	0.1	150957310.0	1.712892	Y
3	ICIS 180-397721/26	0.025	0.046017	0.1	142733057.0	1.840676	Y
4	IC 180-397721/27	0.05	0.098098	0.1	136431788.0	1.961957	Y
5	IC 180-397721/28	0.1	0.157591	0.1	160680058.0	1.575909	Y
6	IC 180-397721/29	0.2	0.297478	0.1	164911143.0	1.48739	Y



Calibration / beta-BHC

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

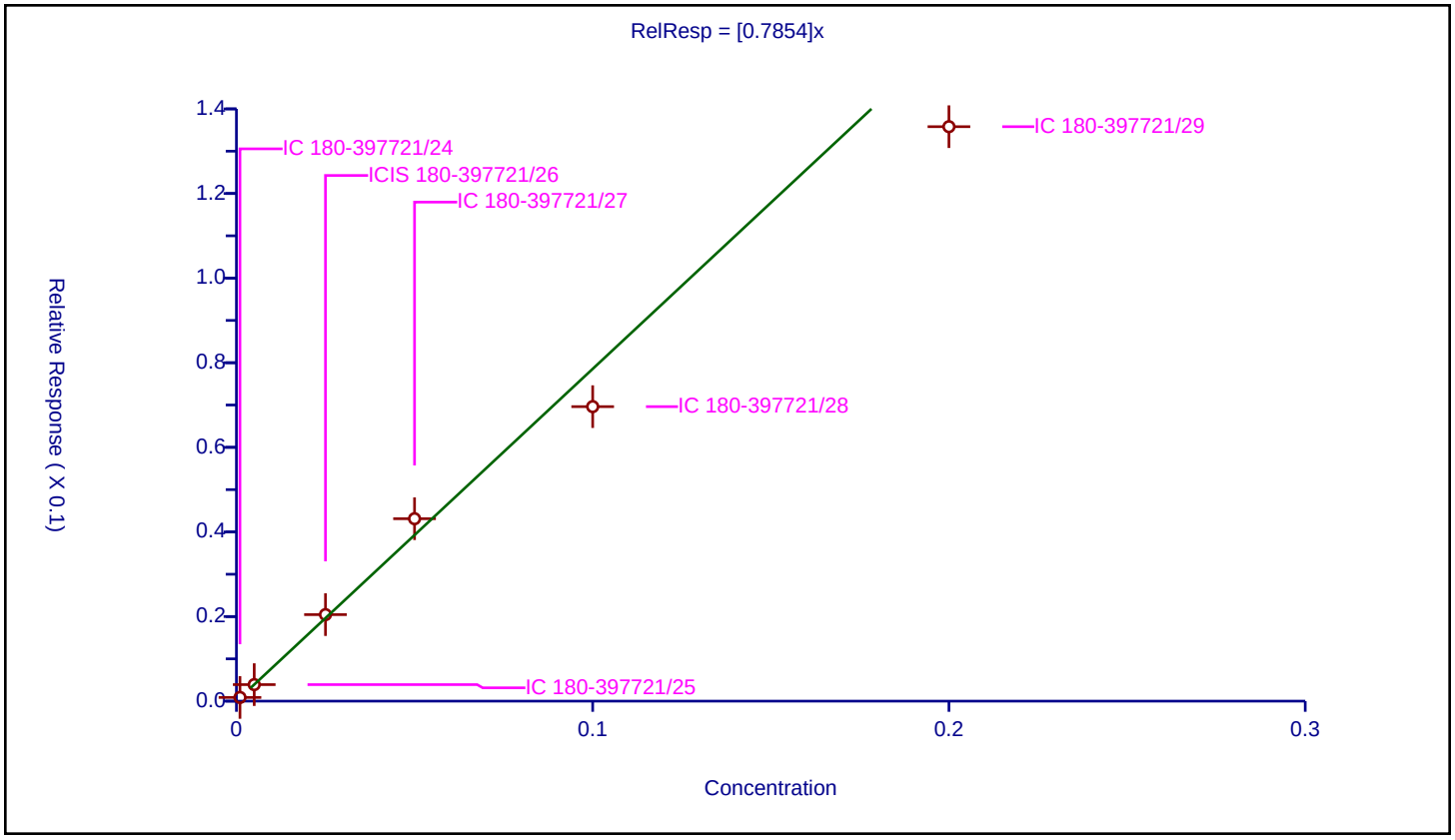
Curve Coefficients

Intercept:	0
Slope:	0.7854

Error Coefficients

Standard Error:	116000000
Relative Standard Error:	10.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000875	0.1	147409721.0	0.87505	Y
2	IC 180-397721/25	0.005	0.003907	0.1	150957310.0	0.781493	Y
3	ICIS 180-397721/26	0.025	0.020454	0.1	142733057.0	0.818169	Y
4	IC 180-397721/27	0.05	0.043124	0.1	136431788.0	0.862474	Y
5	IC 180-397721/28	0.1	0.069618	0.1	160680058.0	0.696177	Y
6	IC 180-397721/29	0.2	0.135794	0.1	164911143.0	0.678971	Y



Calibration / delta-BHC

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

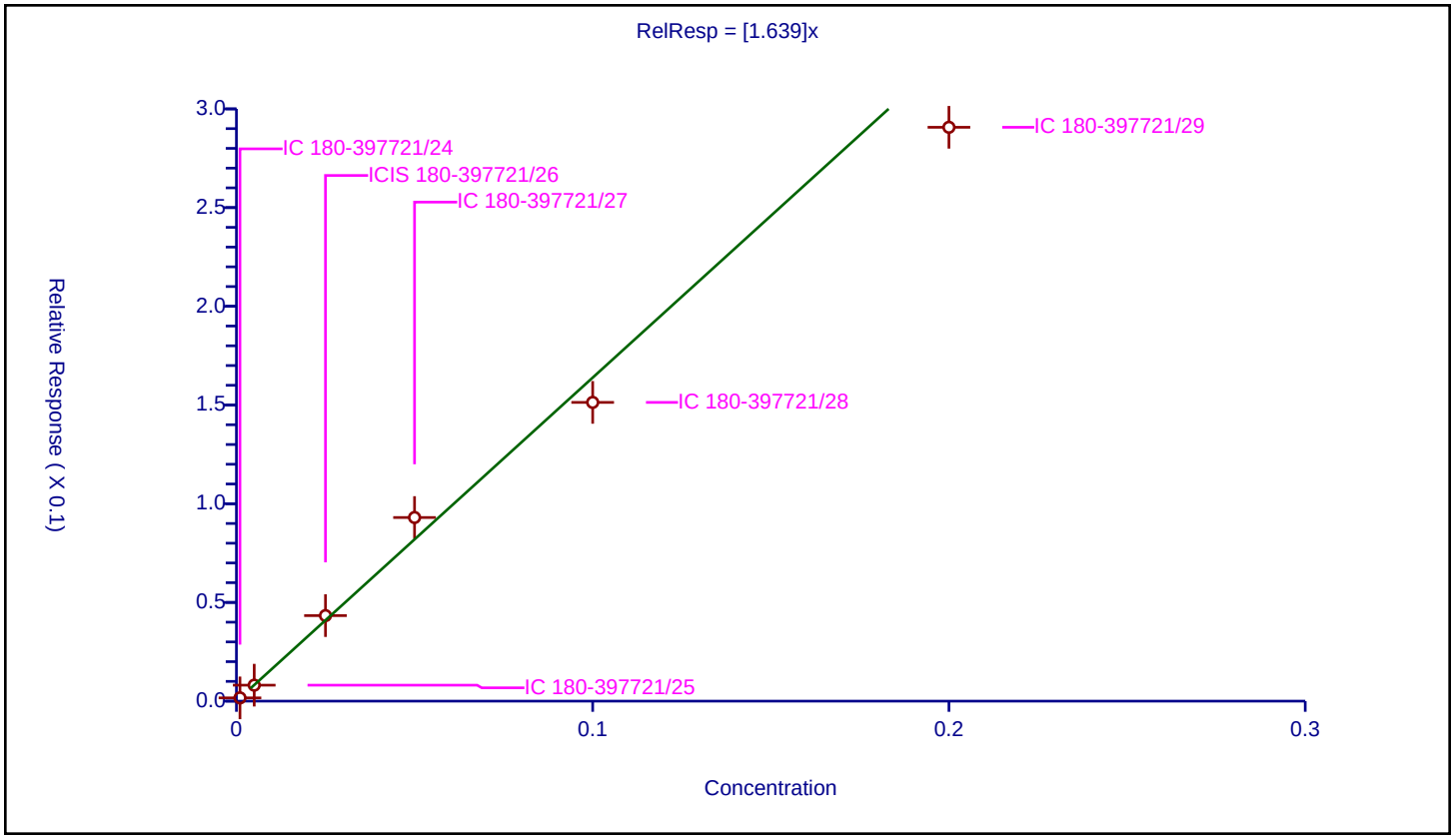
Curve Coefficients

Intercept:	0
Slope:	1.639

Error Coefficients

Standard Error:	249000000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001654	0.1	147409721.0	1.653546	Y
2	IC 180-397721/25	0.005	0.008094	0.1	150957310.0	1.618721	Y
3	ICIS 180-397721/26	0.025	0.043332	0.1	142733057.0	1.733262	Y
4	IC 180-397721/27	0.05	0.093022	0.1	136431788.0	1.860436	Y
5	IC 180-397721/28	0.1	0.151329	0.1	160680058.0	1.513286	Y
6	IC 180-397721/29	0.2	0.290676	0.1	164911143.0	1.453378	Y



Calibration / Heptachlor

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

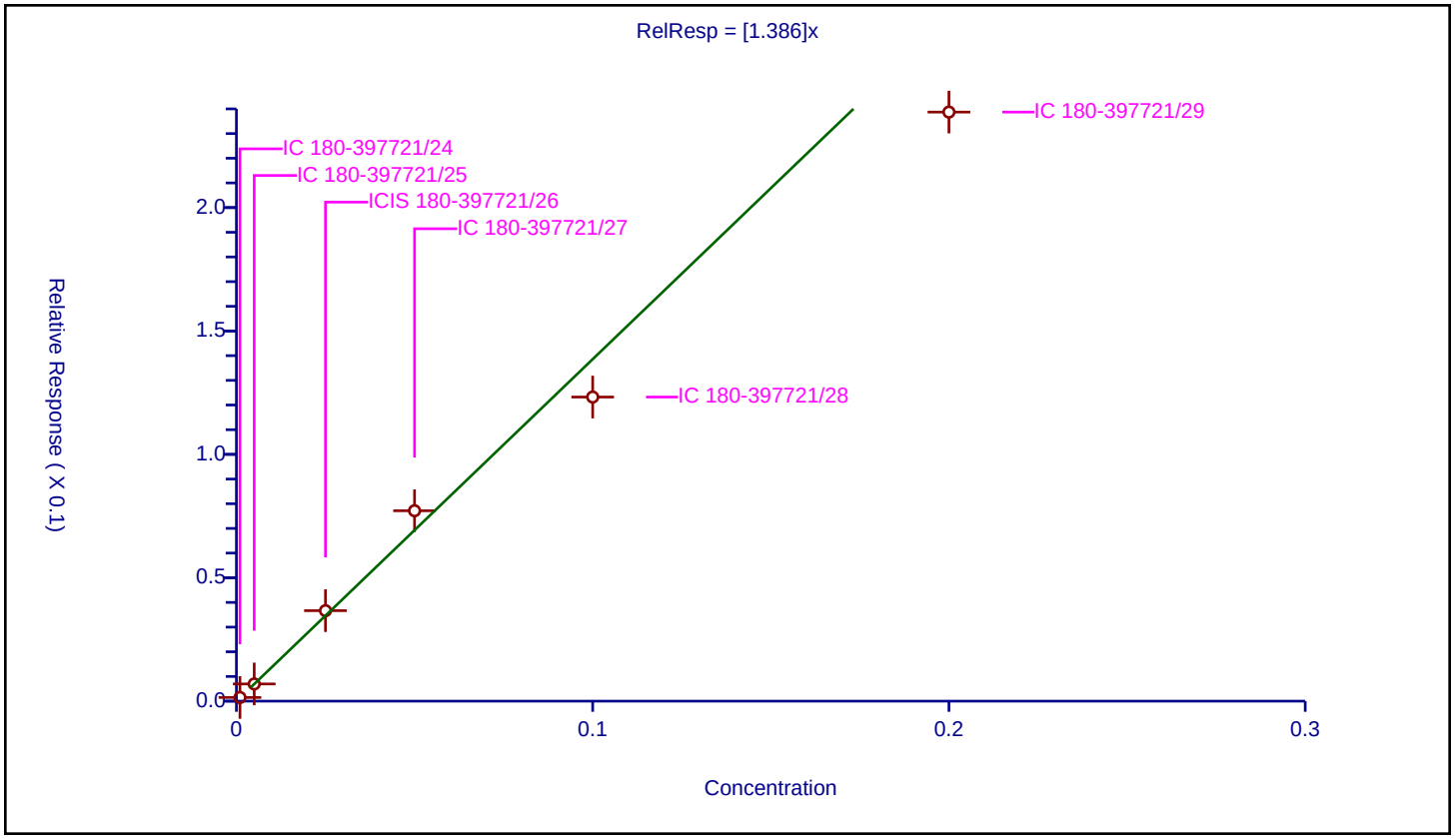
Curve Coefficients

Intercept:	0
Slope:	1.386

Error Coefficients

Standard Error:	204000000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001486	0.1	147409721.0	1.485725	Y
2	IC 180-397721/25	0.005	0.006964	0.1	150957310.0	1.392818	Y
3	ICIS 180-397721/26	0.025	0.036664	0.1	142733057.0	1.466559	Y
4	IC 180-397721/27	0.05	0.077152	0.1	136431788.0	1.543043	Y
5	IC 180-397721/28	0.1	0.123233	0.1	160680058.0	1.232334	Y
6	IC 180-397721/29	0.2	0.238709	0.1	164911143.0	1.193546	Y



Calibration / Aldrin

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

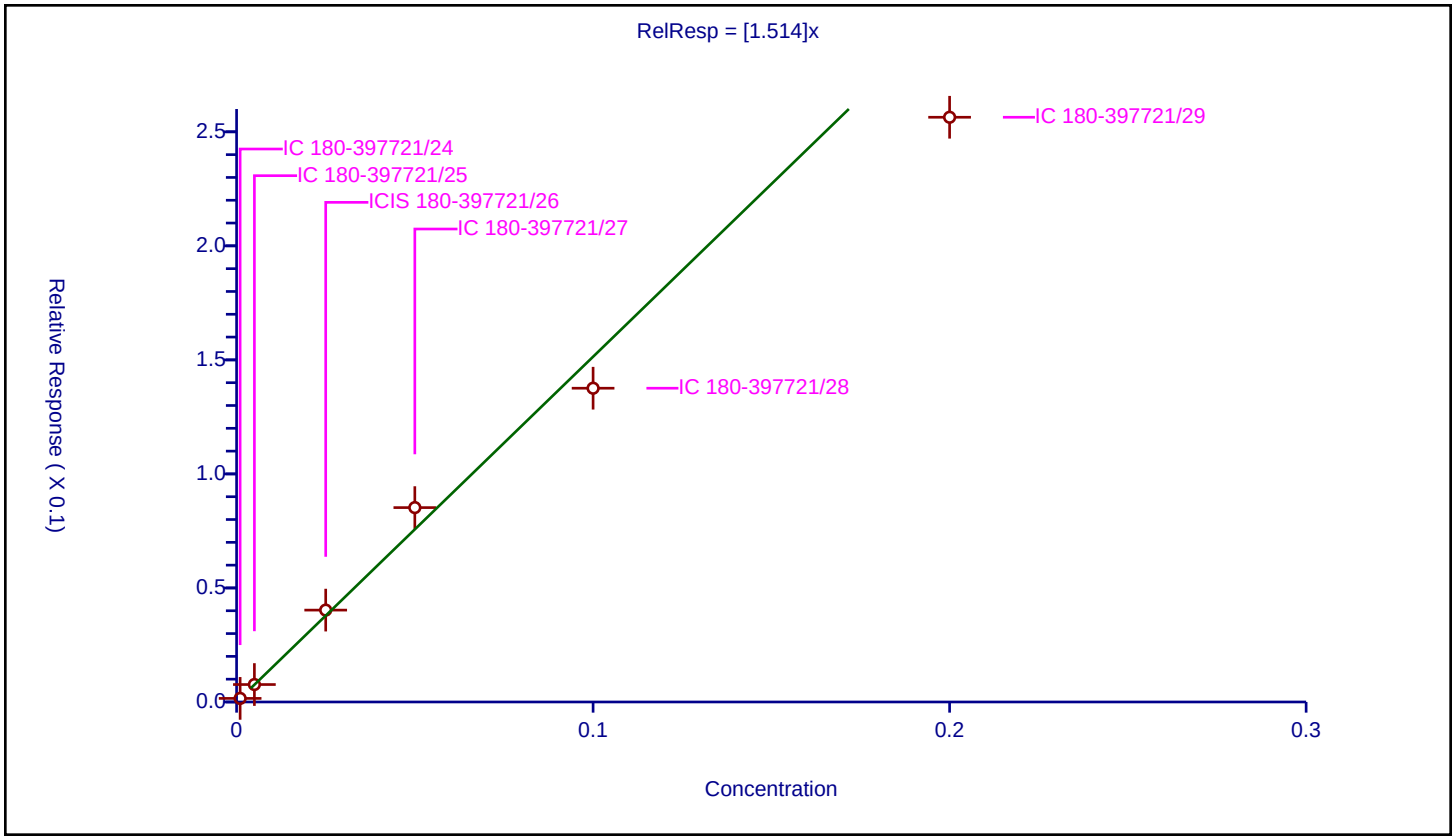
Curve Coefficients

Intercept:	0
Slope:	1.514

Error Coefficients

Standard Error:	221000000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001578	0.1	147409721.0	1.578451	Y
2	IC 180-397721/25	0.005	0.007656	0.1	150957310.0	1.531163	Y
3	ICIS 180-397721/26	0.025	0.04029	0.1	142733057.0	1.611591	Y
4	IC 180-397721/27	0.05	0.085227	0.1	136431788.0	1.70454	Y
5	IC 180-397721/28	0.1	0.137585	0.1	160680058.0	1.375848	Y
6	IC 180-397721/29	0.2	0.256383	0.1	164911143.0	1.281913	Y



Calibration / Heptachlor epoxide

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

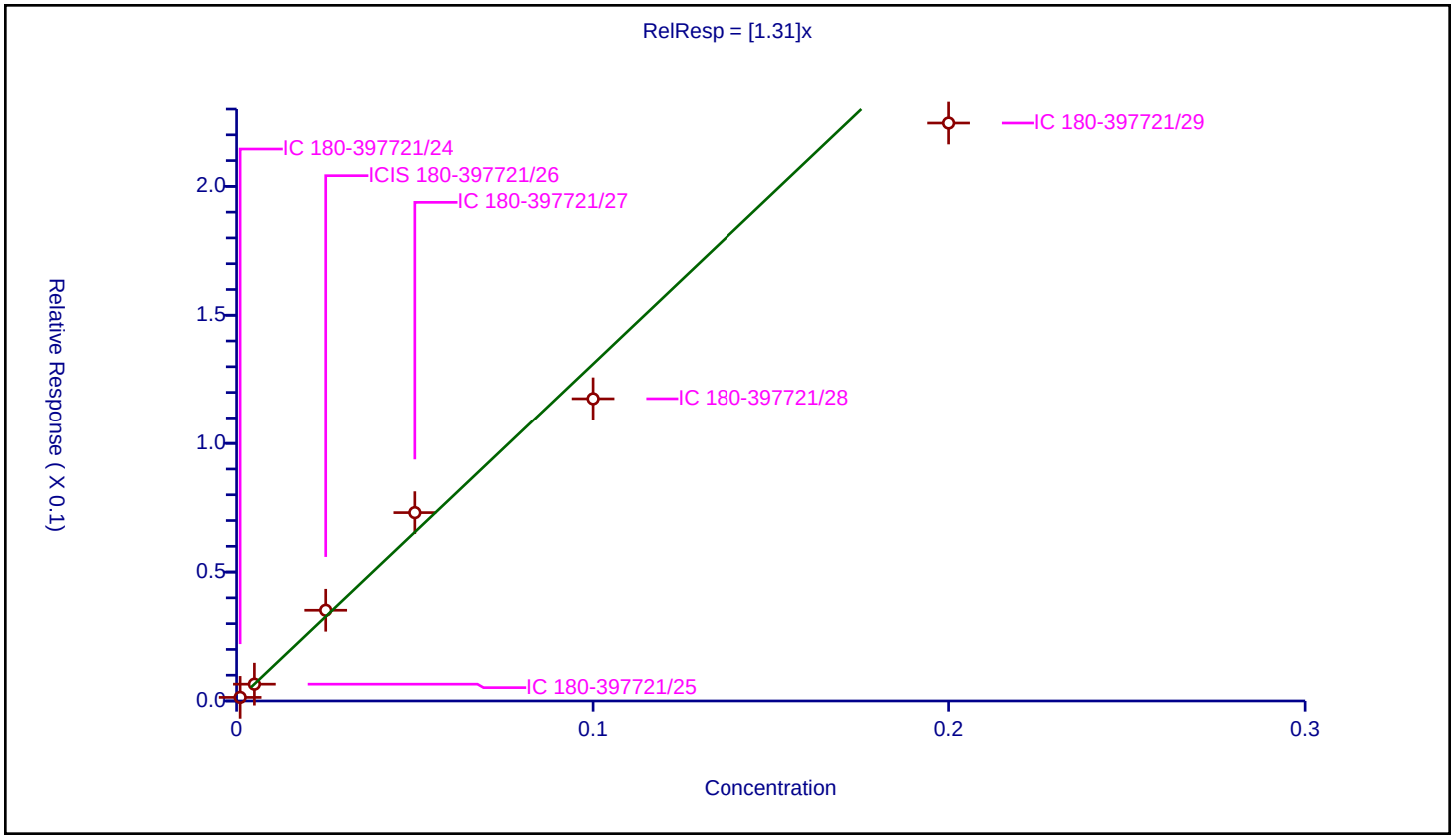
Curve Coefficients

Intercept:	0
Slope:	1.31

Error Coefficients

Standard Error:	193000000
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 180-397721/24	0.001	0.001391	0.1	147409721.0	1.390935	Y
2	IC 180-397721/25	0.005	0.006516	0.1	150957310.0	1.303286	Y
3	ICIS 180-397721/26	0.025	0.035197	0.1	142733057.0	1.407879	Y
4	IC 180-397721/27	0.05	0.073074	0.1	136431788.0	1.461475	Y
5	IC 180-397721/28	0.1	0.117529	0.1	160680058.0	1.175288	Y
6	IC 180-397721/29	0.2	0.224577	0.1	164911143.0	1.122885	Y



Calibration / trans-Chlordane

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

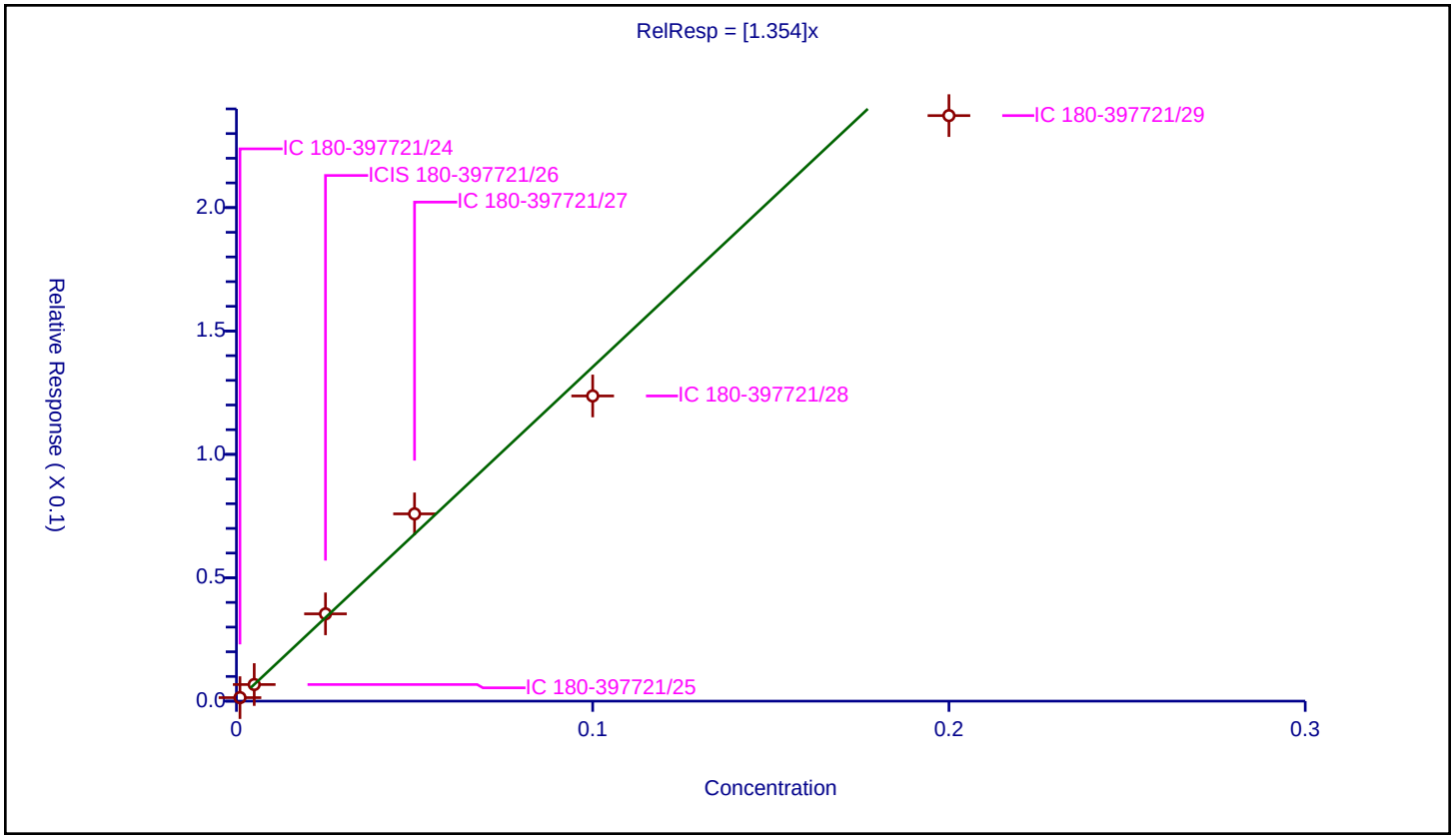
Curve Coefficients

Intercept:	0
Slope:	1.354

Error Coefficients

Standard Error:	203000000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001423	0.1	147409721.0	1.42285	Y
2	IC 180-397721/25	0.005	0.006734	0.1	150957310.0	1.346749	Y
3	ICIS 180-397721/26	0.025	0.035371	0.1	142733057.0	1.414842	Y
4	IC 180-397721/27	0.05	0.075888	0.1	136431788.0	1.517764	Y
5	IC 180-397721/28	0.1	0.12367	0.1	160680058.0	1.236699	Y
6	IC 180-397721/29	0.2	0.237275	0.1	164911143.0	1.186374	Y



Calibration / cis-Chlordane

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

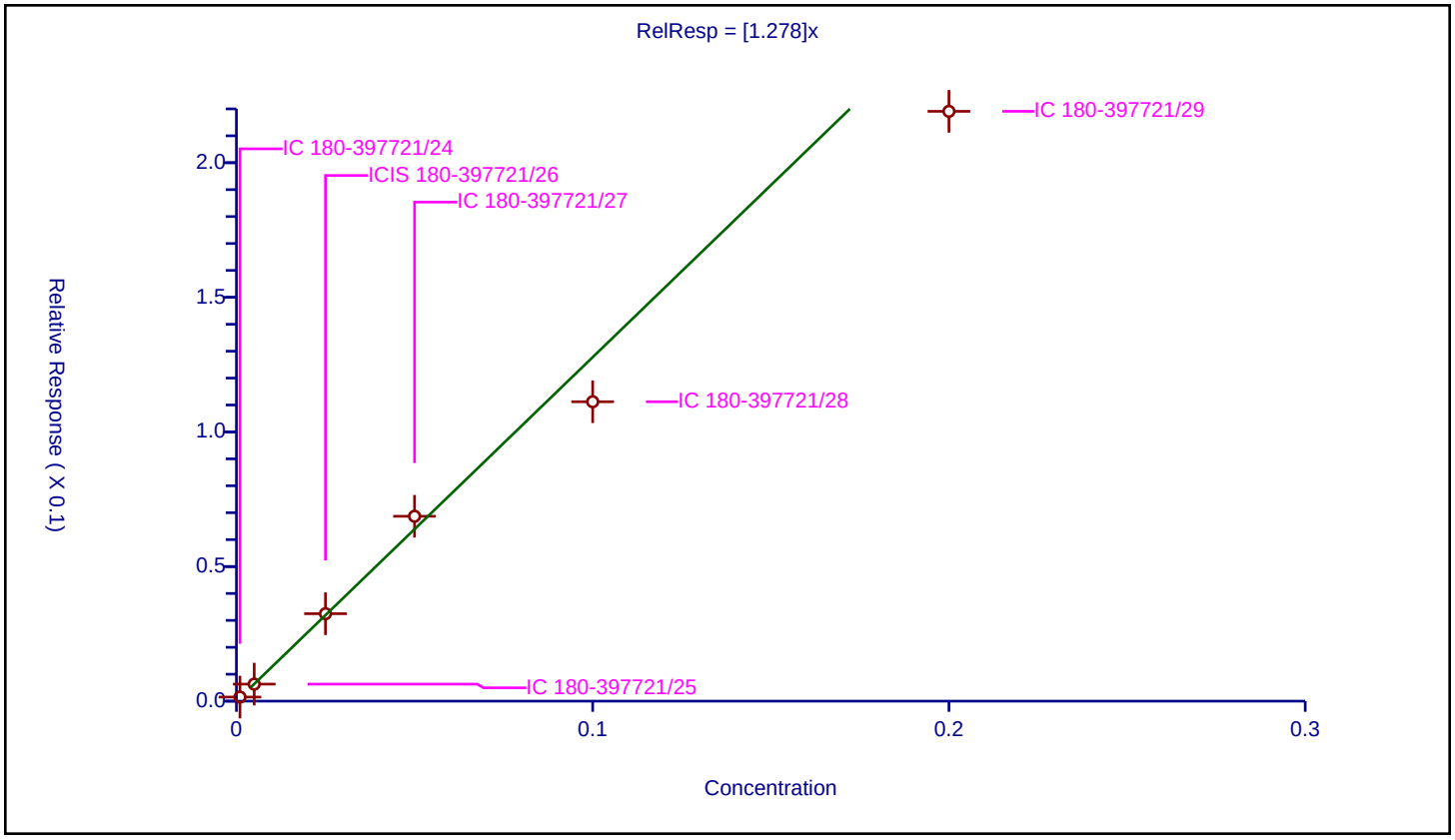
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Standard Error:	186000000
Relative Standard Error:	12.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001519	0.1	147409721.0	1.518736	Y
2	IC 180-397721/25	0.005	0.006332	0.1	150957310.0	1.266336	Y
3	ICIS 180-397721/26	0.025	0.032482	0.1	142733057.0	1.299278	Y
4	IC 180-397721/27	0.05	0.068678	0.1	136431788.0	1.373552	Y
5	IC 180-397721/28	0.1	0.111217	0.1	160680058.0	1.112167	Y
6	IC 180-397721/29	0.2	0.21909	0.1	164911143.0	1.095452	Y



Calibration / Endosulfan I

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

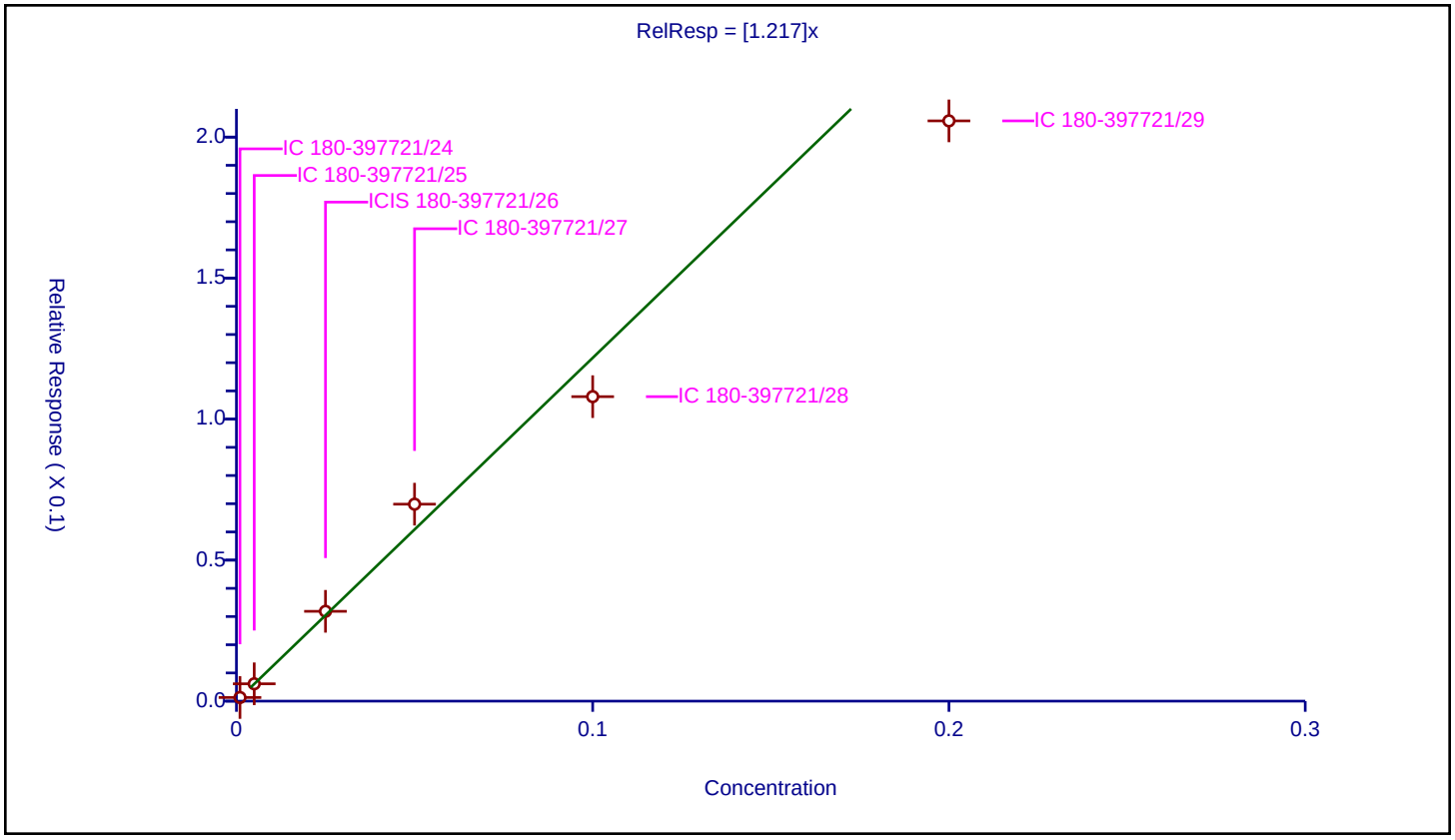
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Standard Error:	177000000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001293	0.1	147409721.0	1.293089	Y
2	IC 180-397721/25	0.005	0.006151	0.1	150957310.0	1.230199	Y
3	ICIS 180-397721/26	0.025	0.03185	0.1	142733057.0	1.274009	Y
4	IC 180-397721/27	0.05	0.069844	0.1	136431788.0	1.396882	Y
5	IC 180-397721/28	0.1	0.107966	0.1	160680058.0	1.079661	Y
6	IC 180-397721/29	0.2	0.205751	0.1	164911143.0	1.028753	Y



Calibration / 4,4'-DDE

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

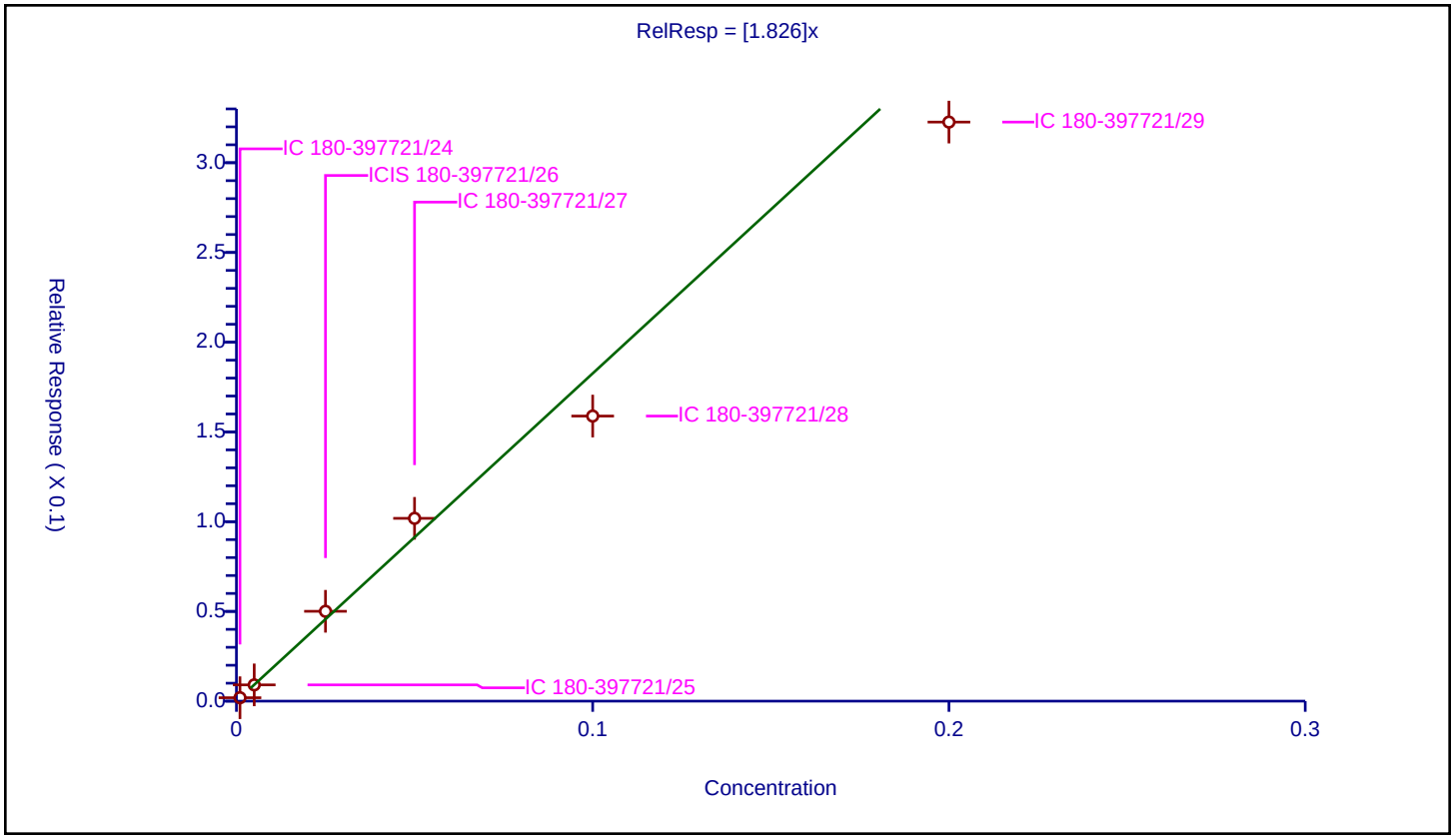
Curve Coefficients

Intercept:	0
Slope:	1.826

Error Coefficients

Standard Error:	207000000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001904	0.1	108694646.0	1.9039	Y
2	IC 180-397721/25	0.005	0.009054	0.1	115395390.0	1.810817	Y
3	ICIS 180-397721/26	0.025	0.050066	0.1	103156381.0	2.002635	Y
4	IC 180-397721/27	0.05	0.101862	0.1	106506892.0	2.03723	Y
5	IC 180-397721/28	0.1	0.158844	0.1	127194864.0	1.588439	Y
6	IC 180-397721/29	0.2	0.322652	0.1	123909865.0	1.61326	Y



Calibration / Dieldrin

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

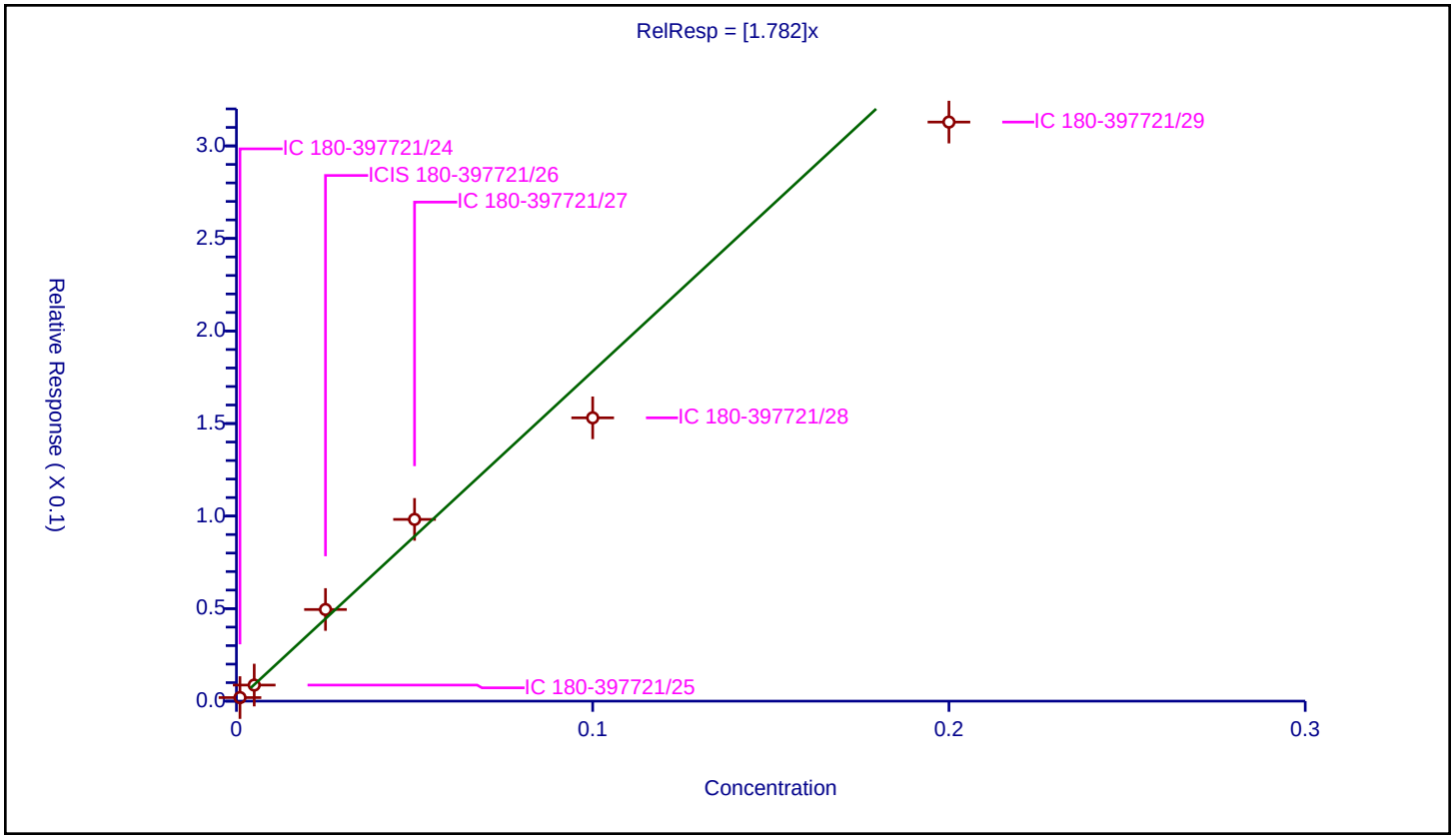
Curve Coefficients

Intercept:	0
Slope:	1.782

Error Coefficients

Standard Error:	201000000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001917	0.1	108694646.0	1.916573	Y
2	IC 180-397721/25	0.005	0.00868	0.1	115395390.0	1.736077	Y
3	ICIS 180-397721/26	0.025	0.049511	0.1	103156381.0	1.980453	Y
4	IC 180-397721/27	0.05	0.09819	0.1	106506892.0	1.9638	Y
5	IC 180-397721/28	0.1	0.15308	0.1	127194864.0	1.530799	Y
6	IC 180-397721/29	0.2	0.312877	0.1	123909865.0	1.564384	Y



Calibration / Endrin

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

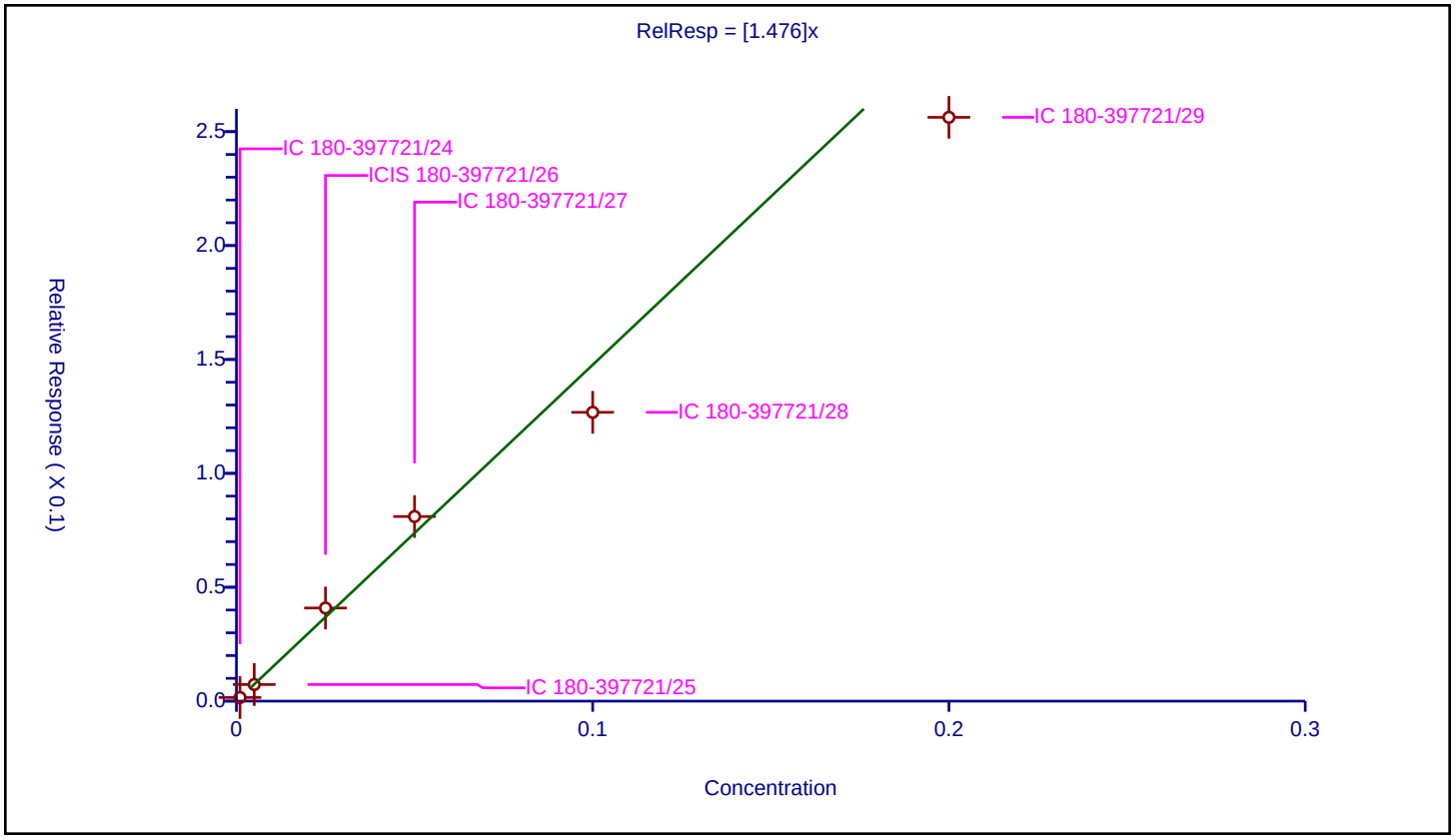
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Standard Error:	165000000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001595	0.1	108694646.0	1.59458	Y
2	IC 180-397721/25	0.005	0.007289	0.1	115395390.0	1.457806	Y
3	ICIS 180-397721/26	0.025	0.040886	0.1	103156381.0	1.635427	Y
4	IC 180-397721/27	0.05	0.081047	0.1	106506892.0	1.620934	Y
5	IC 180-397721/28	0.1	0.1268	0.1	127194864.0	1.267996	Y
6	IC 180-397721/29	0.2	0.256289	0.1	123909865.0	1.281446	Y



Calibration / 4,4'-DDD

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

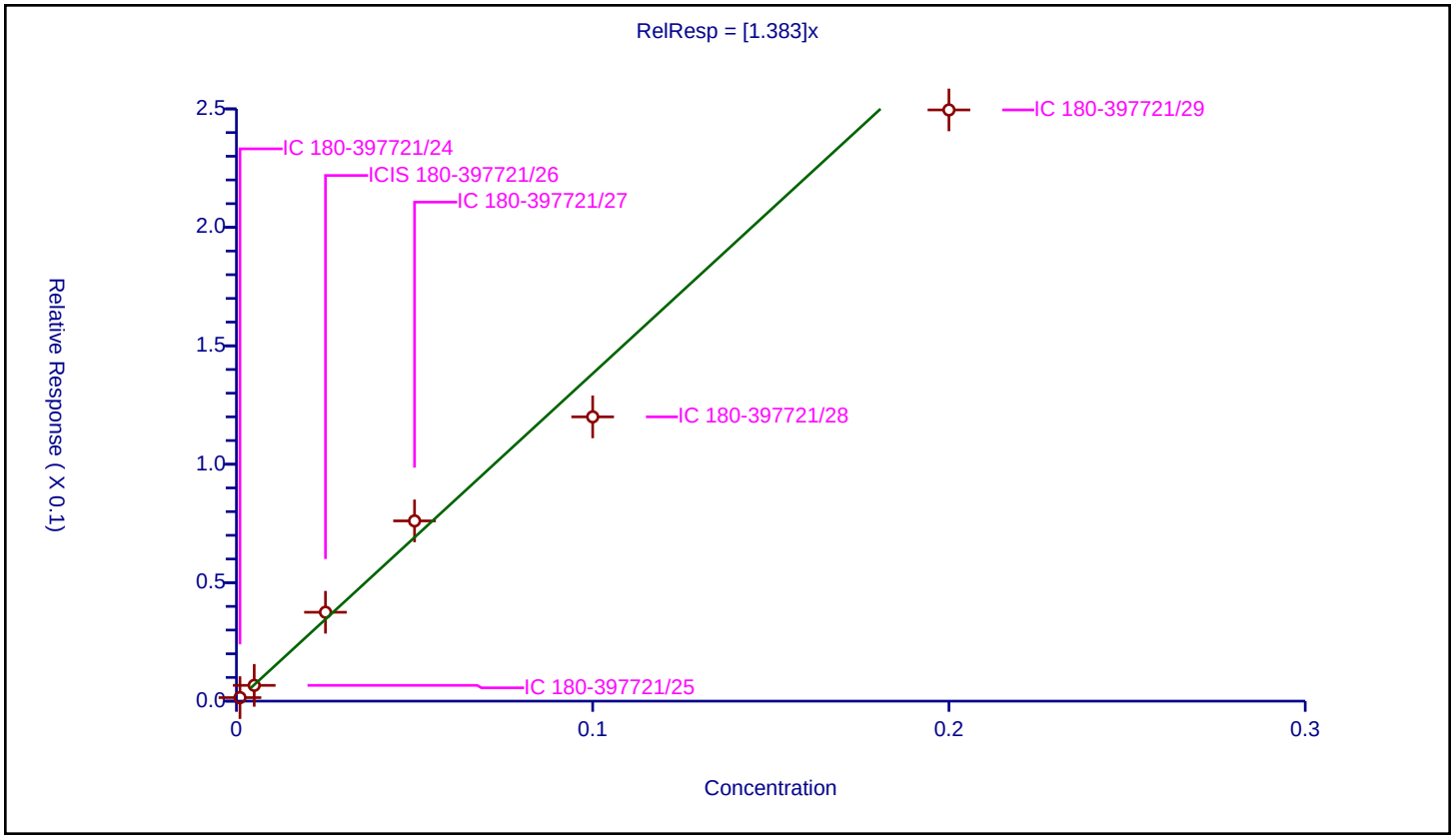
Curve Coefficients

Intercept:	0
Slope:	1.383

Error Coefficients

Standard Error:	159000000
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 180-397721/24	0.001	0.001493	0.1	108694646.0	1.492756	Y
2	IC 180-397721/25	0.005	0.006666	0.1	115395390.0	1.333179	Y
3	ICIS 180-397721/26	0.025	0.037525	0.1	103156381.0	1.500996	Y
4	IC 180-397721/27	0.05	0.076088	0.1	106506892.0	1.521765	Y
5	IC 180-397721/28	0.1	0.12	0.1	127194864.0	1.200004	Y
6	IC 180-397721/29	0.2	0.249557	0.1	123909865.0	1.247784	Y



Calibration / Endosulfan II

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

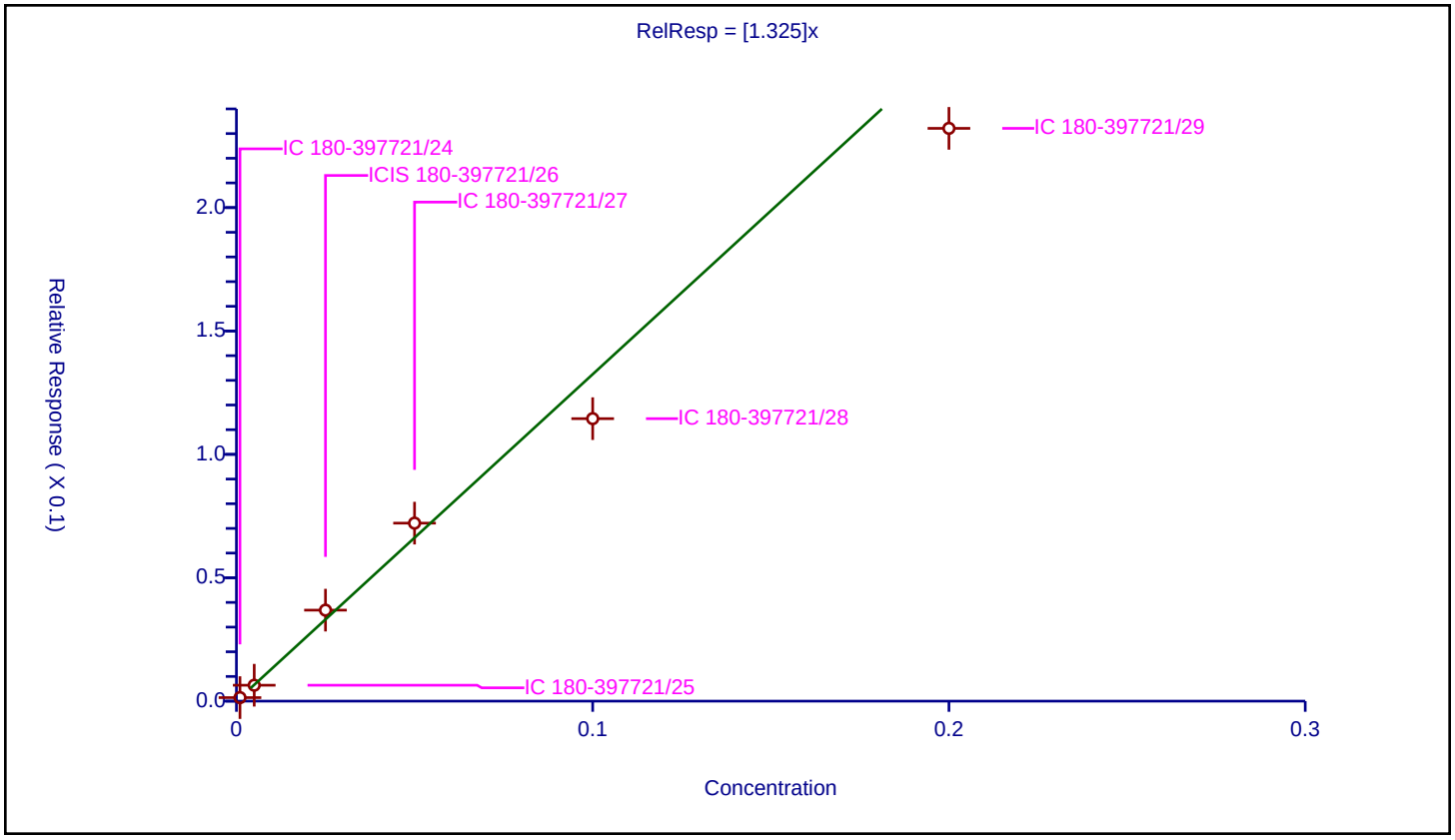
Curve Coefficients

Intercept:	0
Slope:	1.325

Error Coefficients

Standard Error:	149000000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001434	0.1	108694646.0	1.433736	Y
2	IC 180-397721/25	0.005	0.006454	0.1	115395390.0	1.290738	Y
3	ICIS 180-397721/26	0.025	0.036872	0.1	103156381.0	1.474861	Y
4	IC 180-397721/27	0.05	0.072139	0.1	106506892.0	1.442786	Y
5	IC 180-397721/28	0.1	0.114478	0.1	127194864.0	1.144784	Y
6	IC 180-397721/29	0.2	0.232112	0.1	123909865.0	1.160559	Y



Calibration / Endrin aldehyde

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

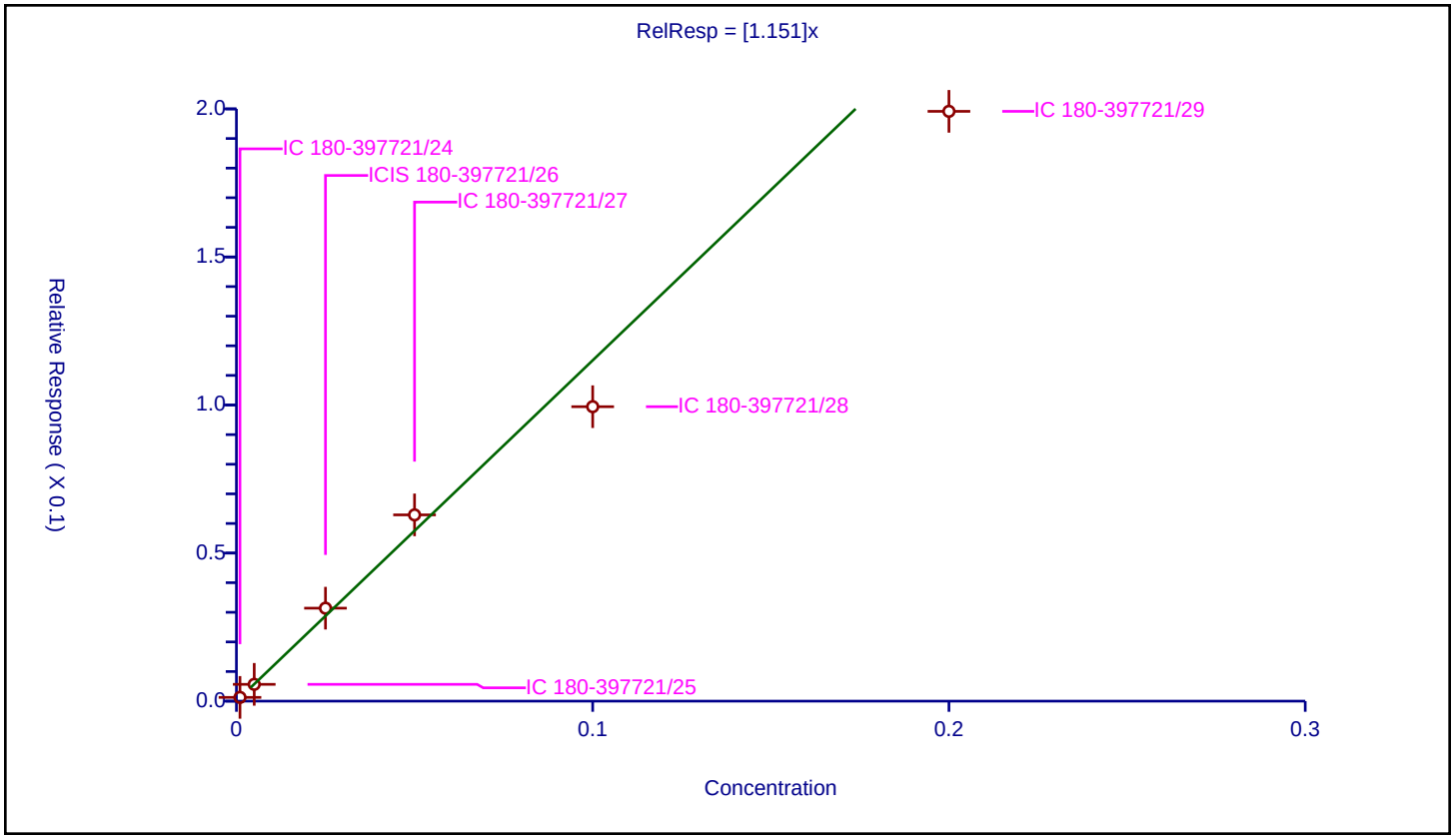
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	128000000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001266	0.1	108694646.0	1.266458	Y
2	IC 180-397721/25	0.005	0.005672	0.1	115395390.0	1.134305	Y
3	ICIS 180-397721/26	0.025	0.031393	0.1	103156381.0	1.255706	Y
4	IC 180-397721/27	0.05	0.062898	0.1	106506892.0	1.257957	Y
5	IC 180-397721/28	0.1	0.099433	0.1	127194864.0	0.994332	Y
6	IC 180-397721/29	0.2	0.199168	0.1	123909865.0	0.995842	Y



Calibration / 4,4'-DDT

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

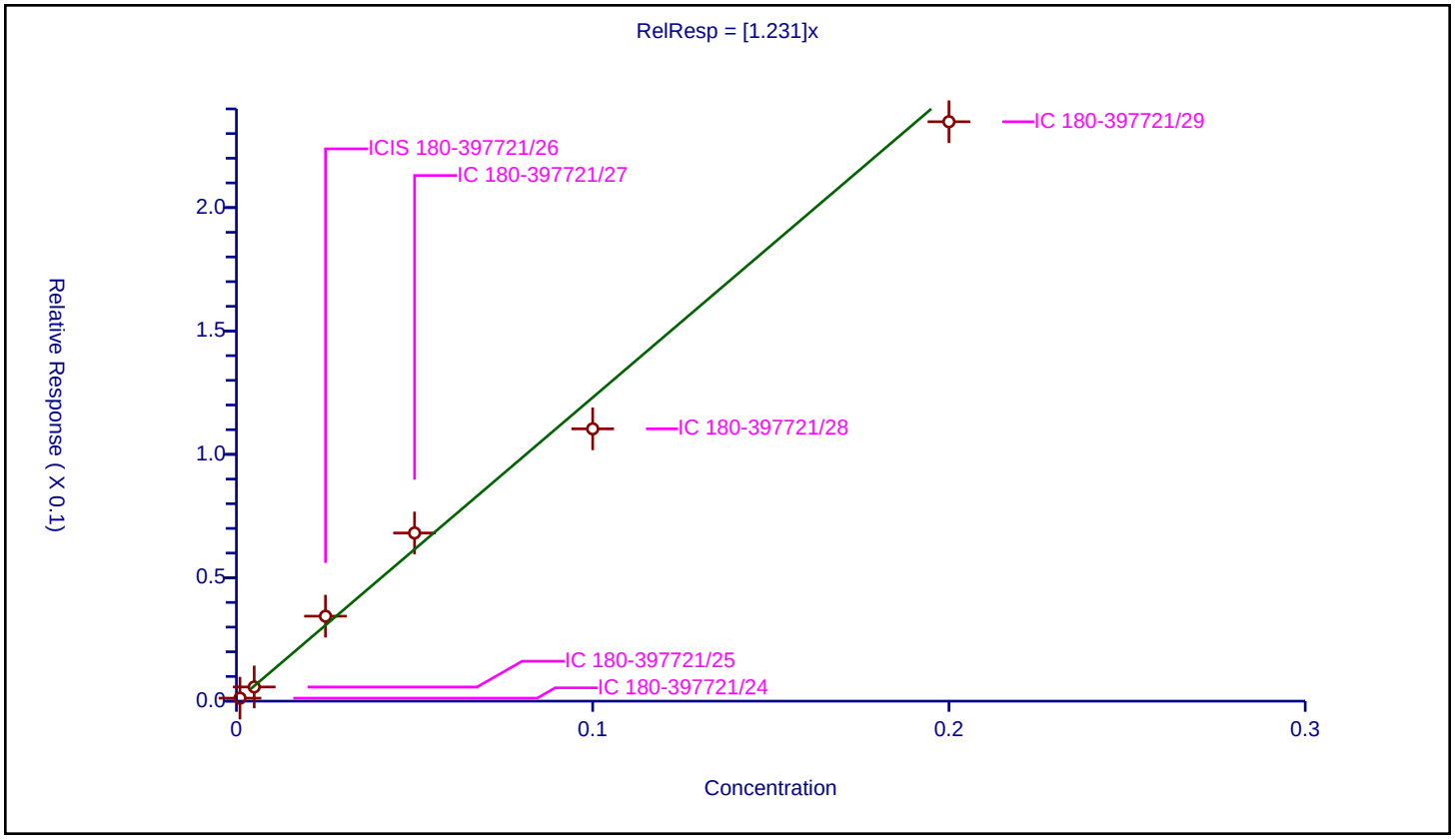
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Standard Error:	149000000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001216	0.1	108694646.0	1.215932	Y
2	IC 180-397721/25	0.005	0.005747	0.1	115395390.0	1.149467	Y
3	ICIS 180-397721/26	0.025	0.034431	0.1	103156381.0	1.377258	Y
4	IC 180-397721/27	0.05	0.068147	0.1	106506892.0	1.362948	Y
5	IC 180-397721/28	0.1	0.110344	0.1	127194864.0	1.103438	Y
6	IC 180-397721/29	0.2	0.234803	0.1	123909865.0	1.174014	Y



Calibration / Endosulfan sulfate

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

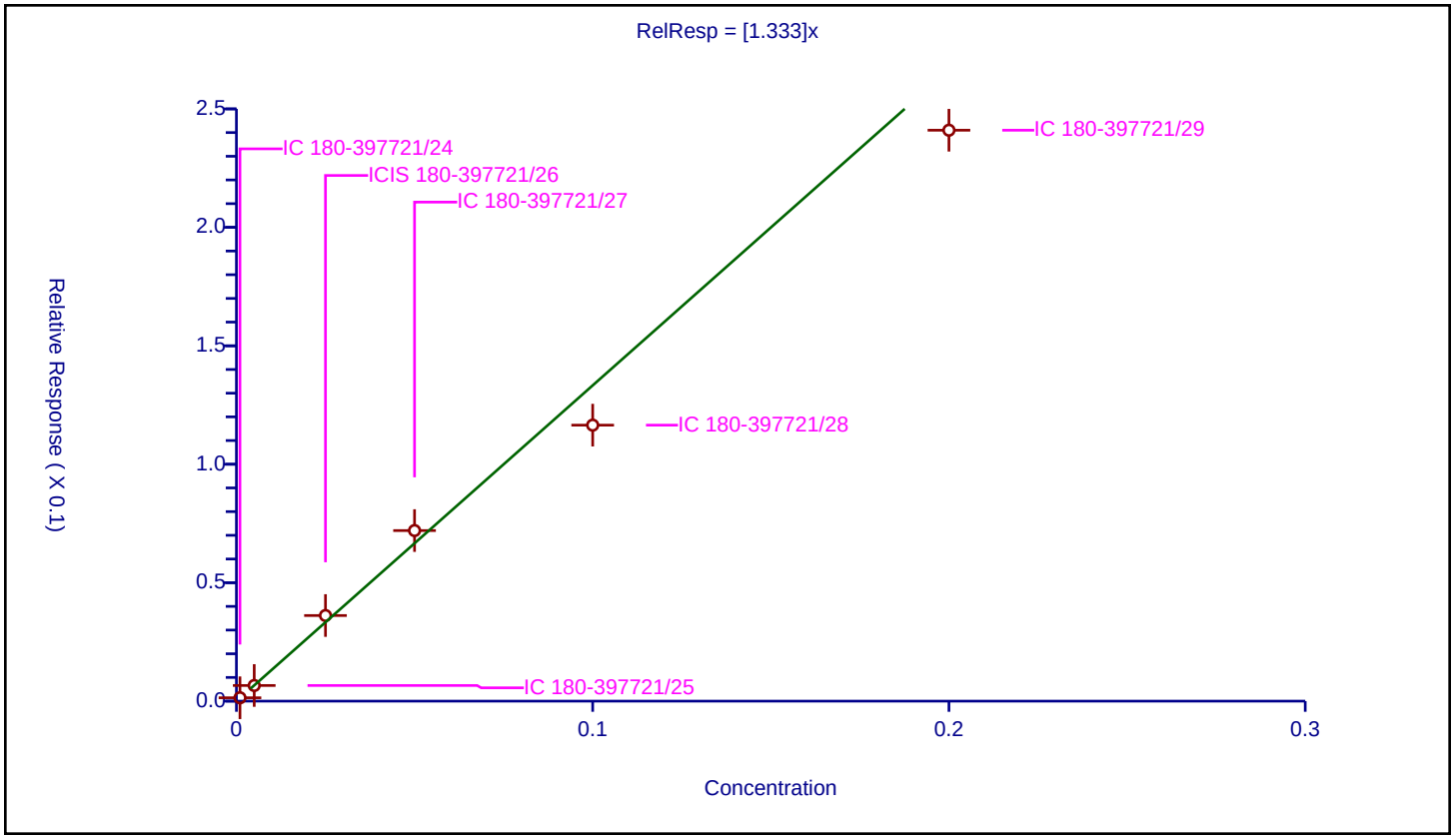
Curve Coefficients

Intercept:	0
Slope:	1.333

Error Coefficients

Standard Error:	154000000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00142	0.1	108694646.0	1.420497	Y
2	IC 180-397721/25	0.005	0.006601	0.1	115395390.0	1.320189	Y
3	ICIS 180-397721/26	0.025	0.036141	0.1	103156381.0	1.445651	Y
4	IC 180-397721/27	0.05	0.072003	0.1	106506892.0	1.440051	Y
5	IC 180-397721/28	0.1	0.1165	0.1	127194864.0	1.164996	Y
6	IC 180-397721/29	0.2	0.240998	0.1	123909865.0	1.204992	Y



Calibration / Methoxychlor

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

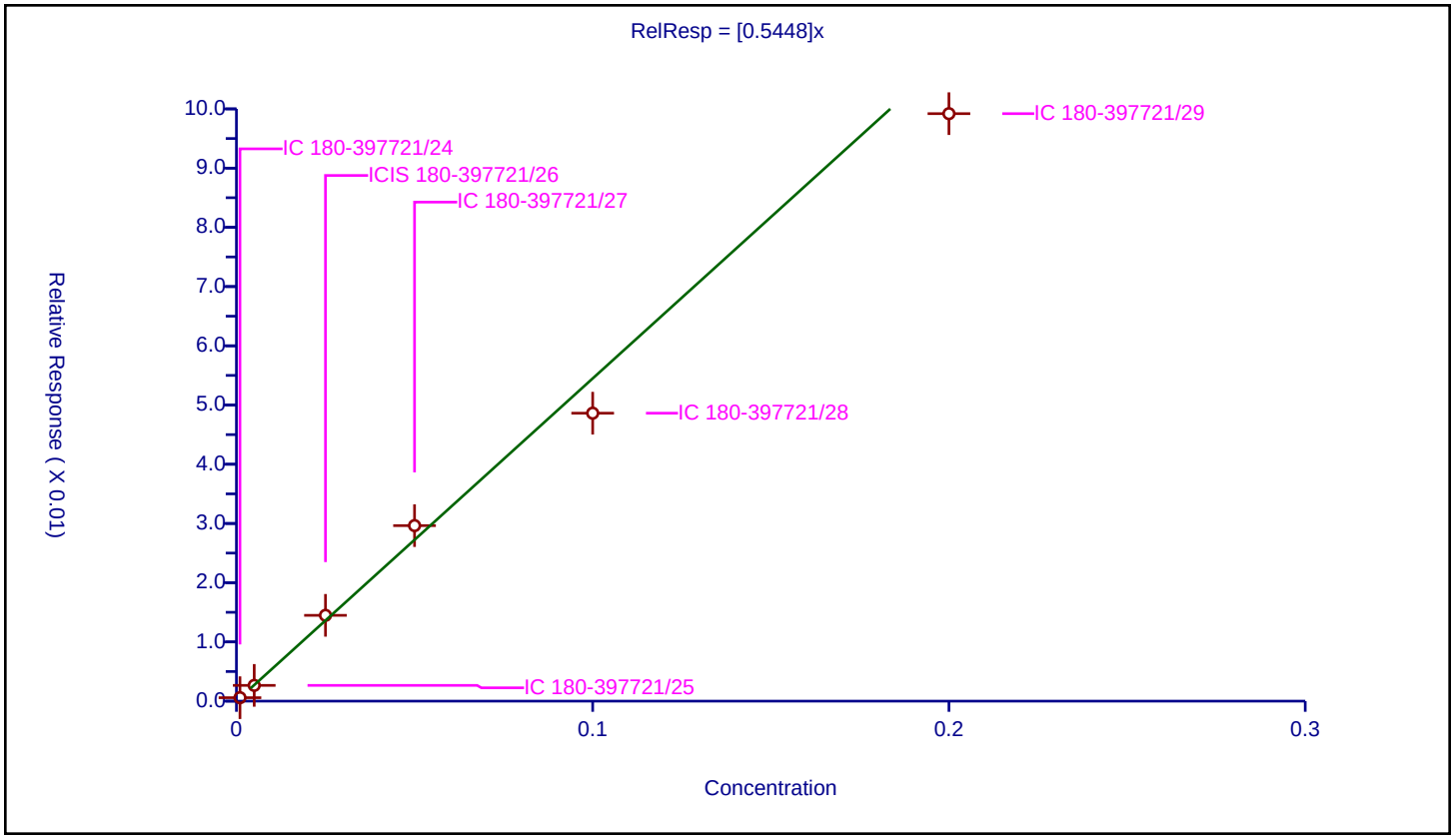
Curve Coefficients

Intercept:	0
Slope:	0.5448

Error Coefficients

Standard Error:	63500000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000582	0.1	108694646.0	0.582242	Y
2	IC 180-397721/25	0.005	0.002662	0.1	115395390.0	0.532342	Y
3	ICIS 180-397721/26	0.025	0.014485	0.1	103156381.0	0.579412	Y
4	IC 180-397721/27	0.05	0.029639	0.1	106506892.0	0.592784	Y
5	IC 180-397721/28	0.1	0.048621	0.1	127194864.0	0.486212	Y
6	IC 180-397721/29	0.2	0.099194	0.1	123909865.0	0.49597	Y



Calibration / Endrin ketone

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

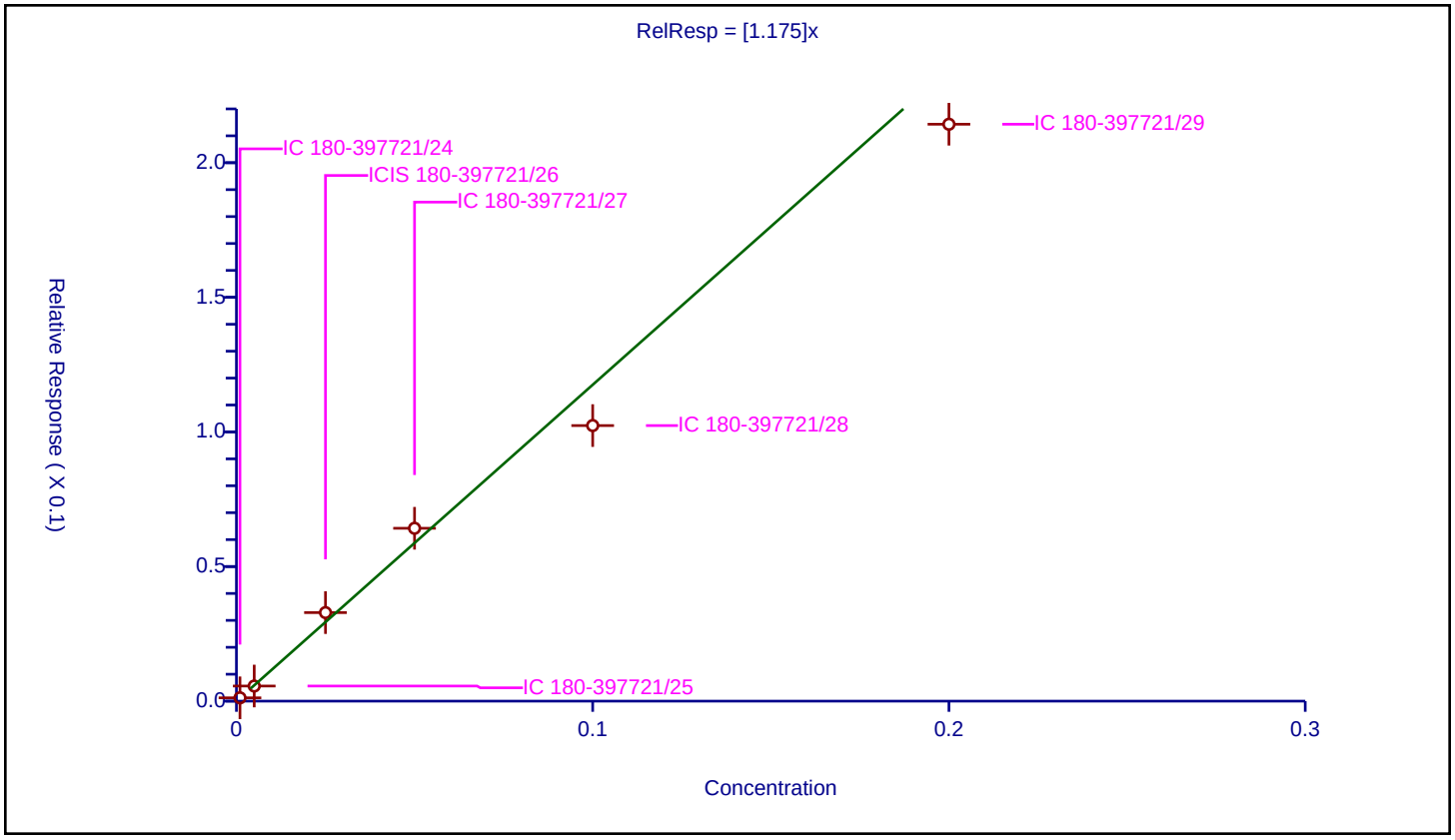
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	137000000
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 180-397721/24	0.001	0.001233	0.1	108694646.0	1.232865	Y
2	IC 180-397721/25	0.005	0.005614	0.1	115395390.0	1.122732	Y
3	ICIS 180-397721/26	0.025	0.032894	0.1	103156381.0	1.315757	Y
4	IC 180-397721/27	0.05	0.064219	0.1	106506892.0	1.284372	Y
5	IC 180-397721/28	0.1	0.102361	0.1	127194864.0	1.023606	Y
6	IC 180-397721/29	0.2	0.214298	0.1	123909865.0	1.071491	Y



Calibration / DCB Decachlorobiphenyl (Surr)

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

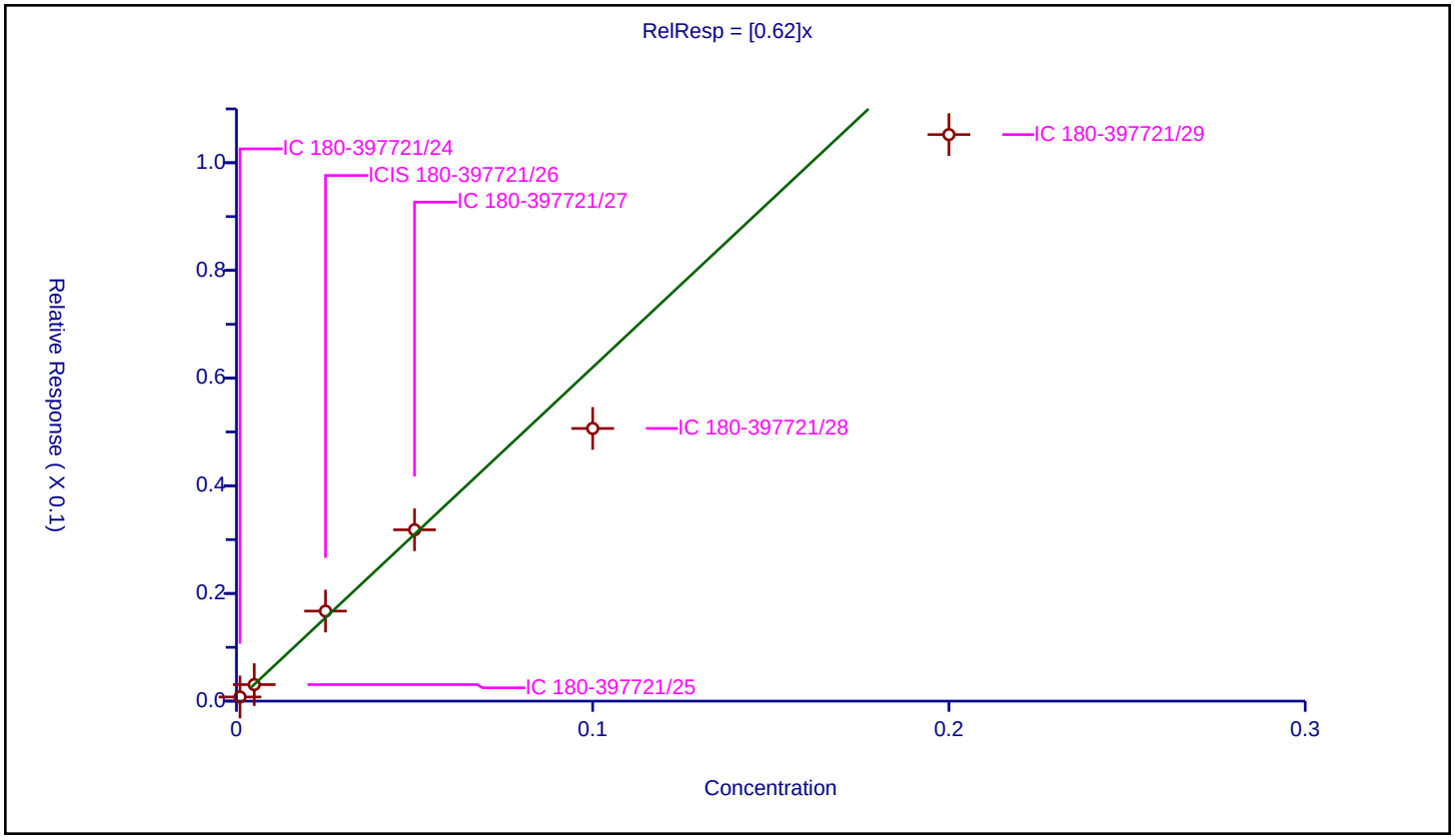
Curve Coefficients

Intercept:	0
Slope:	0.62

Error Coefficients

Standard Error:	67200000
Relative Standard Error:	15.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000768	0.1	108694646.0	0.768148	Y
2	IC 180-397721/25	0.005	0.003068	0.1	115395390.0	0.61367	Y
3	ICIS 180-397721/26	0.025	0.016727	0.1	103156381.0	0.669085	Y
4	IC 180-397721/27	0.05	0.031823	0.1	106506892.0	0.636463	Y
5	IC 180-397721/28	0.1	0.05065	0.1	127194864.0	0.506501	Y
6	IC 180-397721/29	0.2	0.105229	0.1	123909865.0	0.526143	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48411

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.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								
alpha-BHC	2.0545 1.5307	1.9067	2.0260	2.0451	1.6088	Ave		1.8620				12.6		20.0			
gamma-BHC (Lindane)	1.7500 1.2948	1.6059	1.6767	1.7098	1.3696	Ave		1.5678				12.1		20.0			
beta-BHC	0.8861 0.6045	0.7498	0.7709	0.7995	0.6304	Ave		0.7402				14.3		20.0			
Heptachlor	1.4832 1.0595	1.3297	1.3687	1.4067	1.1039	Ave		1.2919				13.2		20.0			
delta-BHC	1.6235 1.2535	1.4971	1.6227	1.6514	1.3208	Ave		1.4948				11.4		20.0			
Aldrin	1.5749 1.1772	1.4758	1.5819	1.6004	1.2639	Ave		1.4457				12.6		20.0			
Heptachlor epoxide	1.4178 1.0194	1.3201	1.3568	1.3874	1.0775	Ave		1.2632				13.5		20.0			
trans-Chlordane	1.4584 1.0840	1.3087	1.4086	1.3992	1.1377	Ave		1.2994				11.9		20.0			
cis-Chlordane	1.3927 1.0425	1.2924	1.3124	1.3950	1.0948	Ave		1.2550				12.0		20.0			
Endosulfan I	1.2978 0.9550	1.1858	1.2553	1.2831	1.0260	Ave		1.1672				12.3		20.0			
4,4'-DDE	1.8033 1.3307	1.6206	1.7204	1.7417	1.3619	Ave		1.5964				12.7		20.0			
Dieldrin	1.8468 1.4066	1.7111	1.8503	1.8450	1.4489	Ave		1.6848				12.3		20.0			
Endrin	1.4102 1.1115	1.3614	1.4470	1.4658	1.1147	Ave		1.3184				12.4		20.0			
4,4'-DDD	1.4031 1.1360	1.3273	1.4182	1.4559	1.1338	Ave		1.3124				10.9		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48411

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								
Endosulfan II	1.3304 1.0556	1.2510	1.3410	1.3662	1.0630	Ave		1.2345				11.4		20.0			
4,4'-DDT	1.2177 1.0524	1.1565	1.3144	1.3175	1.0854	Ave		1.1906				9.5		20.0			
Endrin aldehyde	1.2197 0.9271	1.0743	1.1629	1.1621	0.9488	Ave		1.0825				11.2		20.0			
Endosulfan sulfate	1.2870 1.0196	1.1521	1.2866	1.2898	1.0334	Ave		1.1781				10.9		20.0			
Methoxychlor	0.5620 0.4364	0.5038	0.5333	0.5601	0.4532	Ave		0.5081				10.6		20.0			
Endrin ketone	1.0496 0.8891	0.9881	1.0975	1.1052	0.8937	Ave		1.0039				9.6		20.0			
Tetrachloro-m-xylene (Surr)	1.8505 1.2028	1.5404	1.5994	1.6286	1.2858	Ave		1.5179				15.7		20.0			
DCB Decachlorobiphenyl (Surr)	0.7026 0.4522	0.5561	0.5595	0.5720	0.4576	Ave		0.5500				16.7		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48411

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	3217536 541600714	15617775	75482188	150931543	279082202	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	BNB	Ave	2740660 458164175	13154498	62467596	126188113	237589448	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	BNB	Ave	1387628 213885902	6141753	28720224	59006403	109358857	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	BNB	Ave	2322821 374900233	10891335	50993216	103815772	191492577	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	BNB	Ave	2542553 443543870	12263072	60455793	121875522	229115240	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	BNB	Ave	2466381 416532800	12088061	58937525	118111865	219243967	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	BNB	Ave	2220440 360711825	10812816	50548524	102389107	186910305	0.00100 0.200	0.00500	0.0250	0.0500	0.100
trans-Chlordane	BNB	Ave	2283946 383566682	10719375	52478502	103266055	197364474	0.00100 0.200	0.00500	0.0250	0.0500	0.100
cis-Chlordane	BNB	Ave	2181069 368876619	10586367	48895051	102951535	189923474	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	BNB	Ave	2032496 337906818	9712716	46767483	94695248	177976498	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	DBC	Ave	2178518 362966413	10101495	48469131	99326826	185176821	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	DBC	Ave	2231052 383676524	10665430	52128128	105215470	197012456	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	DBC	Ave	1703595 303175378	8485741	40767453	83589185	151565099	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	DBC	Ave	1695052	8273504	39954536	83024160	154164228	0.00100	0.00500	0.0250	0.0500	0.100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			309874703					0.200				
Endosulfan II	DBC	Ave	1607289 287927420	7797497	37779973	77909214	144543156	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	DBC	Ave	1471056 287058378	7208614	37030703	75133685	147578869	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	DBC	Ave	1473554 252885826	6696546	32761408	66270080	129013555	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	DBC	Ave	1554843 278130584	7180937	36246737	73553337	140509770	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	DBC	Ave	678889 119024663	3140218	15024819	31942286	61617276	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	DBC	Ave	1267959 242521400	6158773	30921271	63028865	121524971	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene (Surr)	BNB	Ave	2898015 425610413	12617344	59588830	120190835	223048200	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	DBC	Ave	848751 123344348	3466324	15764233	32621105	62214973	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 397721

SDG No.:

Instrument ID: CHGC17 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/05/2022 15:43 Calibration End Date: 05/05/2022 17:02 Calibration ID: 48411

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-397721/24	05052224.D
Level 2	IC 180-397721/25	05052225.D
Level 3	ICIS 180-397721/26	05052226.D
Level 4	IC 180-397721/27	05052227.D
Level 5	IC 180-397721/28	05052228.D
Level 6	IC 180-397721/29	05052229.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
alpha-BHC	10.3	2.4	8.8	9.8	-13.6	-17.8	50	30	30	30	30	30
gamma-BHC (Lindane)	11.6	2.4	6.9	9.1	-12.6	-17.4	50	30	30	30	30	30
beta-BHC	19.7	1.3	4.1	8.0	-14.8	-18.3	50	30	30	30	30	30
Heptachlor	14.8	2.9	5.9	8.9	-14.6	-18.0	50	30	30	30	30	30
delta-BHC	8.6	0.2	8.6	10.5	-11.6	-16.1	50	30	30	30	30	30
Aldrin	8.9	2.1	9.4	10.7	-12.6	-18.6	50	30	30	30	30	30
Heptachlor epoxide	12.2	4.5	7.4	9.8	-14.7	-19.3	50	30	30	30	30	30
trans-Chlordane	12.2	0.7	8.4	7.7	-12.4	-16.6	50	30	30	30	30	30
cis-Chlordane	11.0	3.0	4.6	11.2	-12.8	-16.9	50	30	30	30	30	30
Endosulfan I	11.2	1.6	7.6	9.9	-12.1	-18.2	50	30	30	30	30	30
4,4'-DDE	13.0	1.5	7.8	9.1	-14.7	-16.6	50	30	30	30	30	30
Dieldrin	9.6	1.6	9.8	9.5	-14.0	-16.5	50	30	30	30	30	30
Endrin	7.0	3.3	9.8	11.2	-15.5	-15.7	50	30	30	30	30	30
4,4'-DDD	6.9	1.1	8.1	10.9	-13.6	-13.4	50	30	30	30	30	30
Endosulfan II	7.8	1.3	8.6	10.7	-13.9	-14.5	50	30	30	30	30	30
4,4'-DDT	2.3	-2.9	10.4	10.7	-8.8	-11.6	50	30	30	30	30	30
Endrin aldehyde	12.7	-0.8	7.4	7.4	-12.3	-14.4	50	30	30	30	30	30
Endosulfan sulfate	9.2	-2.2	9.2	9.5	-12.3	-13.4	50	30	30	30	30	30
Methoxychlor	10.6	-0.9	5.0	10.2	-10.8	-14.1	50	30	30	30	30	30
Endrin ketone	4.6	-1.6	9.3	10.1	-11.0	-11.4	50	30	30	30	30	30
Tetrachloro-m-xylene (Surr)	21.9	1.5	5.4	7.3	-15.3	-20.8	50	30	30	30	30	30
DCB Decachlorobiphenyl (Surr)	27.7	1.1	1.7	4.0	-16.8	-17.8	50	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052224.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-May-2022 15:43:15 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-024
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:50 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	147409721H	0.1000	0.1000	
2	4.016	4.017	-0.001	156607515H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.940	4.941	-0.001	2618174H	0.001000	0.001137	
2	4.872	4.873	-0.001	2898015H	0.001000	0.001219	
						RPD = 7.01	
5 alpha-BHC							
1	5.309	5.310	-0.001	2961966H	0.001000	0.000999	
2	5.327	5.329	-0.002	3217536H	0.001000	0.001103	
						RPD = 9.98	
7 gamma-BHC (Lindane)							
1	5.576	5.578	-0.002	2651217H	0.001000	0.001040	
2	5.626	5.627	-0.001	2740660H	0.001000	0.001116	
						RPD = 7.08	
8 beta-BHC							
1	5.743	5.744	-0.001	1289909H	0.001000	0.001114	
2	5.866	5.867	-0.001	1387628H	0.001000	0.001197	
						RPD = 7.17	
10 delta-BHC							
1	5.945	5.946	-0.001	2437488H	0.001000	0.001009	
2	6.092	6.094	-0.002	2542553H	0.001000	0.001086	
						RPD = 7.36	
11 Heptachlor							
1	6.048	6.049	-0.001	2190103H	0.001000	0.001072	
2	5.947	5.949	-0.002	2322821H	0.001000	0.001148	
						RPD = 6.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.331	6.333	-0.002	2326790H	0.001000	0.001043	
2	6.213	6.216	-0.003	2466381H	0.001000	0.001089	
						RPD = 4.39	
16 Heptachlor epoxide							
1	6.694	6.696	-0.002	2050373H	0.001000	0.001062	
2	6.658	6.659	-0.001	2220440H	0.001000	0.001122	
						RPD = 5.58	
18 trans-Chlordane							
1	6.913	6.915	-0.002	2097419H	0.001000	0.001051	
2	6.885	6.887	-0.002	2283946H	0.001000	0.001122	
						RPD = 6.59	
20 cis-Chlordane							
1	6.981	6.981	0.000	2238765H	0.001000	0.001189	
2	6.945	6.946	-0.001	2181069H	0.001000	0.001110	
						RPD = 6.87	
22 Endosulfan I							
1	7.026	7.029	-0.003	1906139H	0.001000	0.001062	
2	7.011	7.012	-0.001	2032496H	0.001000	0.001112	
						RPD = 4.56	
23 4,4'-DDE							
1	7.129	7.131	-0.002	2069437H	0.001000	0.001043	
2	7.080	7.083	-0.003	2178518H	0.001000	0.001130	
						RPD = 8.00	
26 Dieldrin							
1	7.266	7.269	-0.003	2083212H	0.001000	0.001076	
2	7.253	7.255	-0.002	2231052H	0.001000	0.001096	
						RPD = 1.90	
27 Endrin							
1	7.471	7.471	0.000	1733223H	0.001000	0.001080	
2	7.516	7.519	-0.003	1703595H	0.001000	0.001070	
						RPD = 0.98	
30 4,4'-DDD							
1	7.591	7.592	-0.001	1622546H	0.001000	0.001080	
2	7.596	7.598	-0.002	1695052H	0.001000	0.001069	
						RPD = 0.97	
31 Endosulfan II							
1	7.669	7.671	-0.002	1558394H	0.001000	0.001082	
2	7.779	7.781	-0.002	1607289H	0.001000	0.001078	
						RPD = 0.44	
32 Endrin aldehyde							
1	7.787	7.788	-0.001	1376572H	0.001000	0.001101	
2	7.942	7.944	-0.002	1473554H	0.001000	0.001127	
						RPD = 2.36	
33 4,4'-DDT							
1	7.871	7.871	0.000	1321653H	0.001000	0.000988	
2	7.839	7.841	-0.002	1471056H	0.001000	0.001023	
						RPD = 3.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	7.998	7.998	0.000	1544004H	0.001000	0.001066	
2	8.160	8.162	-0.002	1554843H	0.001000	0.001092	
						RPD = 2.47	
35 Methoxychlor							
1	8.334	8.336	-0.002	632866H	0.001000	0.001069	
2	8.394	8.395	-0.001	678889H	0.001000	0.001106	
						RPD = 3.43	
* 36 Dibutylchlorendate ISTD							
1	8.408	8.410	-0.002	108694646H	0.1000	0.1000	
2	8.221	8.223	-0.002	120808878H	0.1000	0.1000	
37 Endrin ketone							
1	8.486	8.488	-0.002	1340058H	0.001000	0.001049	
2	8.755	8.756	-0.001	1267959H	0.001000	0.001046	
						RPD = 0.35	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.363	10.364	-0.001	834936H	0.001000	0.001239	
2	10.407	10.409	-0.002	848751H	0.001000	0.001277	
						RPD = 3.06	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPest L1_00040	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

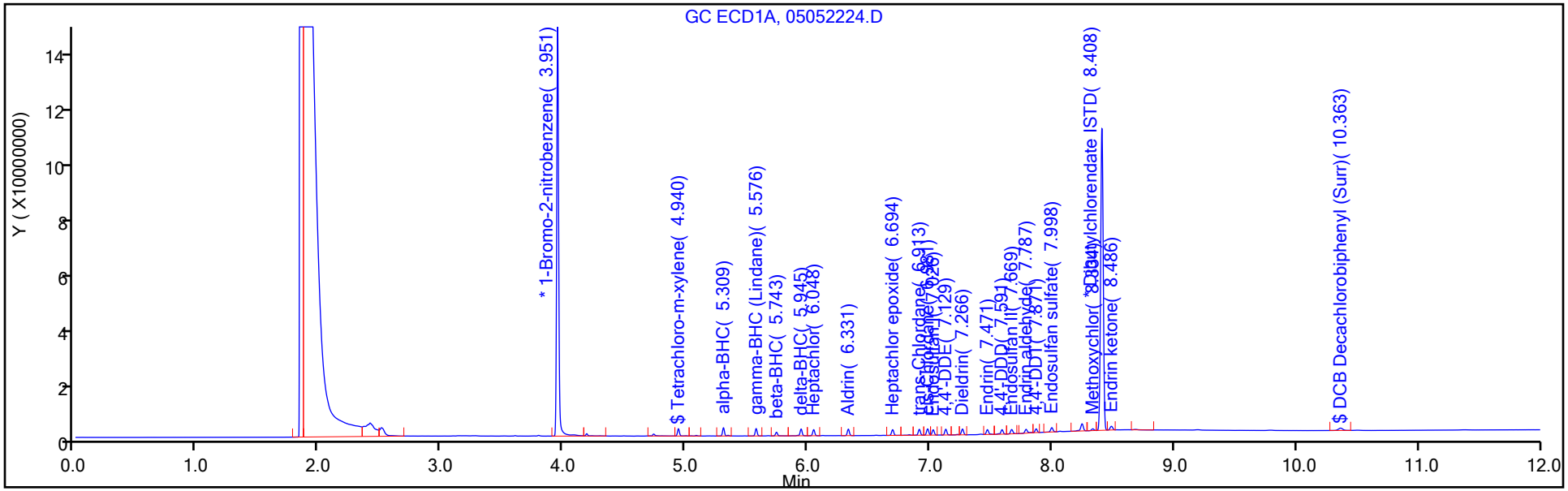
Report Date: 06-May-2022 06:32:50 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

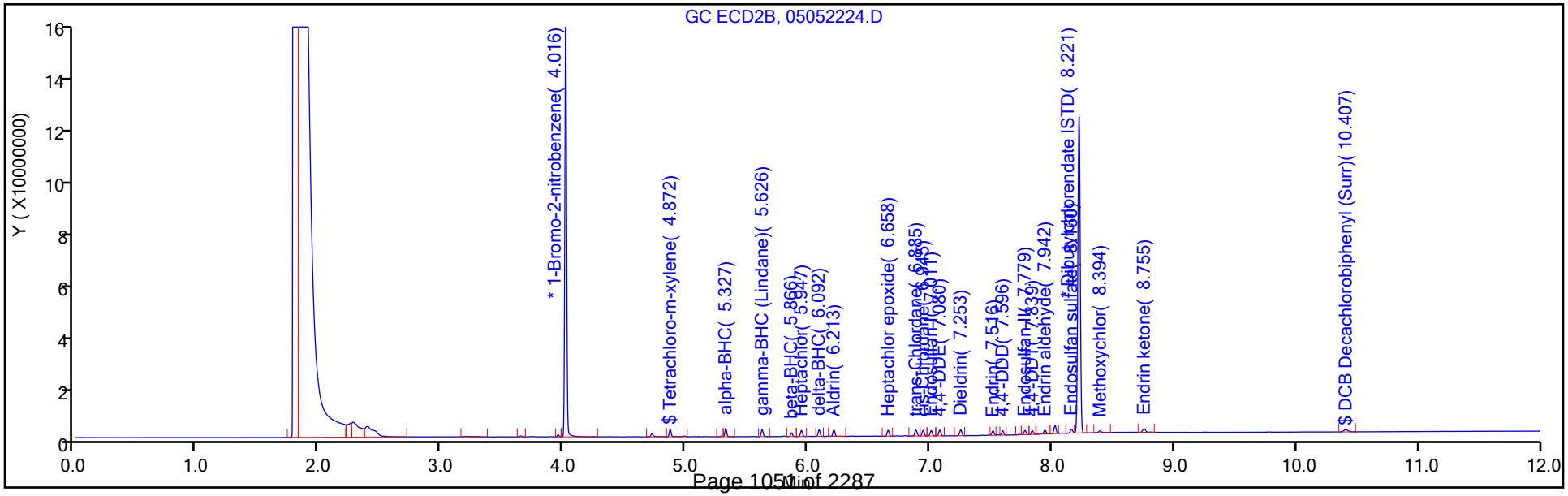
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052224.D

Injection Date:	05-May-2022 15:43:15	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052225.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-May-2022 15:59:15 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-025
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:53 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.954	3.951	0.003	150957310H	0.1000	0.1000	
2	4.020	4.017	0.003	163822285H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.944	4.941	0.003	11674672H	0.005000	0.004949	
2	4.877	4.873	0.004	12617344H	0.005000	0.005074	
						RPD = 2.50	
5 alpha-BHC							
1	5.313	5.310	0.003	15038158H	0.005000	0.004951	
2	5.332	5.329	0.003	15617775H	0.005000	0.005120	
						RPD = 3.36	
7 gamma-BHC (Lindane)							
1	5.582	5.578	0.004	12928680H	0.005000	0.004952	
2	5.631	5.627	0.004	13154498H	0.005000	0.005122	
						RPD = 3.37	
8 beta-BHC							
1	5.747	5.744	0.003	5898606H	0.005000	0.004975	
2	5.872	5.867	0.005	6141753H	0.005000	0.005065	
						RPD = 1.79	
10 delta-BHC							
1	5.950	5.946	0.004	12217892H	0.005000	0.004939	
2	6.098	6.094	0.004	12263072H	0.005000	0.005008	
						RPD = 1.38	
11 Heptachlor							
1	6.053	6.049	0.004	10512802H	0.005000	0.005026	
2	5.953	5.949	0.004	10891335H	0.005000	0.005146	
						RPD = 2.36	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.337	6.333	0.004	11557011H	0.005000	0.005057	
2	6.219	6.216	0.003	12088061H	0.005000	0.005104	
						RPD = 0.93	
16 Heptachlor epoxide							
1	6.699	6.696	0.003	9837024H	0.005000	0.004973	
2	6.663	6.659	0.004	10812816H	0.005000	0.005225	
						RPD = 4.94	
18 trans-Chlordane							
1	6.918	6.915	0.003	10165079H	0.005000	0.004972	
2	6.891	6.887	0.004	10719375H	0.005000	0.005035	
						RPD = 1.26	
20 cis-Chlordane							
1	6.985	6.981	0.004	9558137H	0.005000	0.004956	
2	6.950	6.946	0.004	10586367H	0.005000	0.005149	
						RPD = 3.82	
22 Endosulfan I							
1	7.032	7.029	0.003	9285377H	0.005000	0.005054	
2	7.016	7.012	0.004	9712716H	0.005000	0.005080	
						RPD = 0.51	
23 4,4'-DDE							
1	7.135	7.131	0.004	10447995H	0.005000	0.004958	
2	7.087	7.083	0.004	10101495H	0.005000	0.005076	
						RPD = 2.34	
26 Dieldrin							
1	7.272	7.269	0.003	10016764H	0.005000	0.004871	
2	7.258	7.255	0.003	10665430H	0.005000	0.005078	
						RPD = 4.16	
27 Endrin							
1	7.477	7.471	0.006	8411202H	0.005000	0.004937	
2	7.522	7.519	0.003	8485741H	0.005000	0.005163	
						RPD = 4.47	
30 4,4'-DDD							
1	7.596	7.592	0.004	7692138H	0.005000	0.004821	
2	7.601	7.598	0.003	8273504H	0.005000	0.005057	
						RPD = 4.78	
31 Endosulfan II							
1	7.675	7.671	0.004	7447258H	0.005000	0.004872	
2	7.784	7.781	0.003	7797497H	0.005000	0.005067	
						RPD = 3.91	
32 Endrin aldehyde							
1	7.792	7.788	0.004	6544680H	0.005000	0.004928	
2	7.947	7.944	0.003	6696546H	0.005000	0.004962	
						RPD = 0.69	
33 4,4'-DDT							
1	7.874	7.871	0.003	6632161H	0.005000	0.004671	
2	7.844	7.841	0.003	7208614H	0.005000	0.004857	
						RPD = 3.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.002	7.998	0.004	7617187H	0.005000	0.004953	
2	8.167	8.162	0.005	7180937H	0.005000	0.004890	
						RPD = 1.29	
35 Methoxychlor							
1	8.340	8.336	0.004	3071490H	0.005000	0.004885	
2	8.399	8.395	0.004	3140218H	0.005000	0.004957	
						RPD = 1.46	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.410	0.005	115395390H	0.1000	0.1000	
2	8.227	8.223	0.004	124663324H	0.1000	0.1000	
37 Endrin ketone							
1	8.493	8.488	0.005	6477903H	0.005000	0.004777	
2	8.761	8.756	0.005	6158773H	0.005000	0.004921	
						RPD = 2.97	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.372	10.364	0.008	3540736H	0.005000	0.004949	
2	10.414	10.409	0.005	3466324H	0.005000	0.005056	
						RPD = 2.13	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL2_00028	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

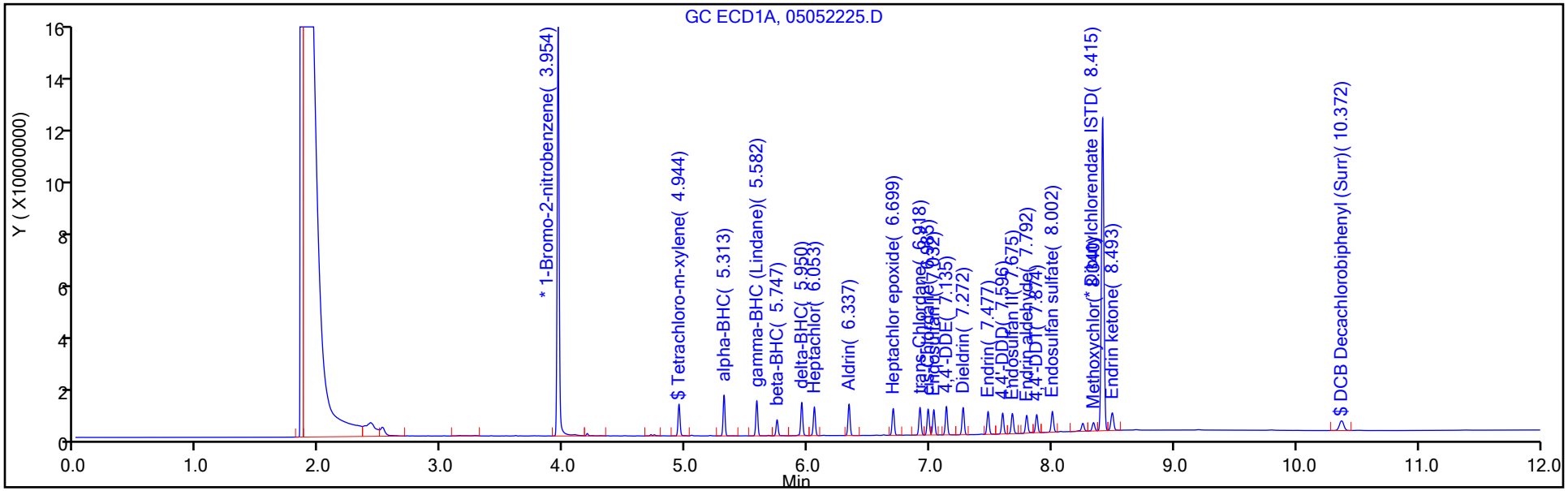
Report Date: 06-May-2022 06:32:53 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

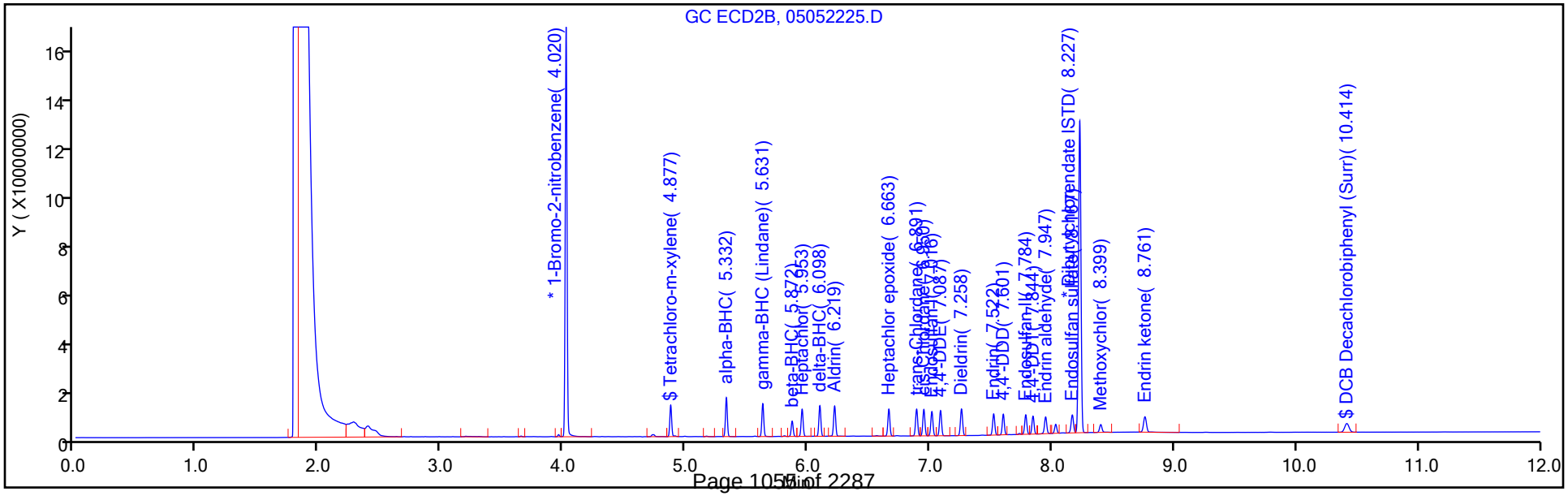
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052225.D

Injection Date:	05-May-2022 15:59:15	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-May-2022 16:15:07 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-026
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:32:56 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:54:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	142733057H	0.1000	0.1000	
2	4.017	4.017	0.000	149027020H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.941	4.941	0.000	58308775H	0.0250	0.0261	
2	4.873	4.873	0.000	59588830H	0.0250	0.0263	
						RPD = 0.77	
5 alpha-BHC							a
1	5.310	5.310	0.000	77411071H	0.0250	0.0270	a
2	5.329	5.329	0.000	75482188H	0.0250	0.0272	a
						RPD = 0.92	
7 gamma-BHC (Lindane)							a
1	5.578	5.578	0.000	65681321H	0.0250	0.0266	a
2	5.627	5.627	0.000	62467596H	0.0250	0.0267	a
						RPD = 0.49	
8 beta-BHC							a
1	5.744	5.744	0.000	29194952H	0.0250	0.0260	a
2	5.867	5.867	0.000	28720224H	0.0250	0.0260	a
						RPD = 0.03	
10 delta-BHC							a
1	5.946	5.946	0.000	61848431H	0.0250	0.0264	a
2	6.094	6.094	0.000	60455793H	0.0250	0.0271	a
						RPD = 2.60	
11 Heptachlor							a
1	6.049	6.049	0.000	52331604H	0.0250	0.0265	a
2	5.949	5.949	0.000	50993216H	0.0250	0.0265	a
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							a
1	6.333	6.333	0.000	57506818H	0.0250	0.0266	a
2	6.216	6.216	0.000	58937525H	0.0250	0.0274	a
						RPD = 2.75	
16 Heptachlor epoxide							a
1	6.696	6.696	0.000	50237734H	0.0250	0.0269	a
2	6.659	6.659	0.000	50548524H	0.0250	0.0269	a
						RPD = 0.03	
18 trans-Chlordane							a
1	6.915	6.915	0.000	50486195H	0.0250	0.0261	a
2	6.887	6.887	0.000	52478502H	0.0250	0.0271	a
						RPD = 3.68	
20 cis-Chlordane							a
1	6.981	6.981	0.000	46362468H	0.0250	0.0254	a
2	6.946	6.946	0.000	48895051H	0.0250	0.0261	a
						RPD = 2.79	
22 Endosulfan I							a
1	7.029	7.029	0.000	45460812H	0.0250	0.0262	a
2	7.012	7.012	0.000	46767483H	0.0250	0.0269	a
						RPD = 2.71	
23 4,4'-DDE							
1	7.131	7.131	0.000	51646143H	0.0250	0.0274	
2	7.083	7.083	0.000	48469131H	0.0250	0.0269	
						RPD = 1.75	
26 Dieldrin							a
1	7.269	7.269	0.000	51074084H	0.0250	0.0278	a
2	7.255	7.255	0.000	52128128H	0.0250	0.0275	a
						RPD = 1.19	
27 Endrin							
1	7.471	7.471	0.000	42176175H	0.0250	0.0277	
2	7.519	7.519	0.000	40767453H	0.0250	0.0274	
						RPD = 0.92	
30 4,4'-DDD							
1	7.592	7.592	0.000	38709328H	0.0250	0.0271	
2	7.598	7.598	0.000	39954536H	0.0250	0.0270	
						RPD = 0.45	
31 Endosulfan II							a
1	7.671	7.671	0.000	38035326H	0.0250	0.0278	a
2	7.781	7.781	0.000	37779973H	0.0250	0.0272	a
						RPD = 2.47	
32 Endrin aldehyde							a
1	7.788	7.788	0.000	32383509H	0.0250	0.0273	a
2	7.944	7.944	0.000	32761408H	0.0250	0.0269	a
						RPD = 1.56	
33 4,4'-DDT							
1	7.871	7.871	0.000	35518245H	0.0250	0.0280	
2	7.841	7.841	0.000	37030703H	0.0250	0.0276	
						RPD = 1.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							a
1	7.998	7.998	0.000	37282031H	0.0250	0.0271	a
2	8.162	8.162	0.000	36246737H	0.0250	0.0273	a
						RPD = 0.68	
35 Methoxychlor							a
1	8.336	8.336	0.000	14942523H	0.0250	0.0266	a
2	8.395	8.395	0.000	15024819H	0.0250	0.0262	a
						RPD = 1.32	
* 36 Dibutylchlorendate ISTD							
1	8.410	8.410	0.000	103156381H	0.1000	0.1000	
2	8.223	8.223	0.000	112692562H	0.1000	0.1000	
37 Endrin ketone							
1	8.488	8.488	0.000	33932192H	0.0250	0.0280	
2	8.756	8.756	0.000	30921271H	0.0250	0.0273	
						RPD = 2.38	
$ 39 DCB Decachlorobiphenyl (Surr)							a
1	10.364	10.364	0.000	17255104H	0.0250	0.0270	a
2	10.409	10.409	0.000	15764233H	0.0250	0.0254	a
						RPD = 5.90	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

a - User Assigned ID

Reagents:

GCPestL3_00044	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

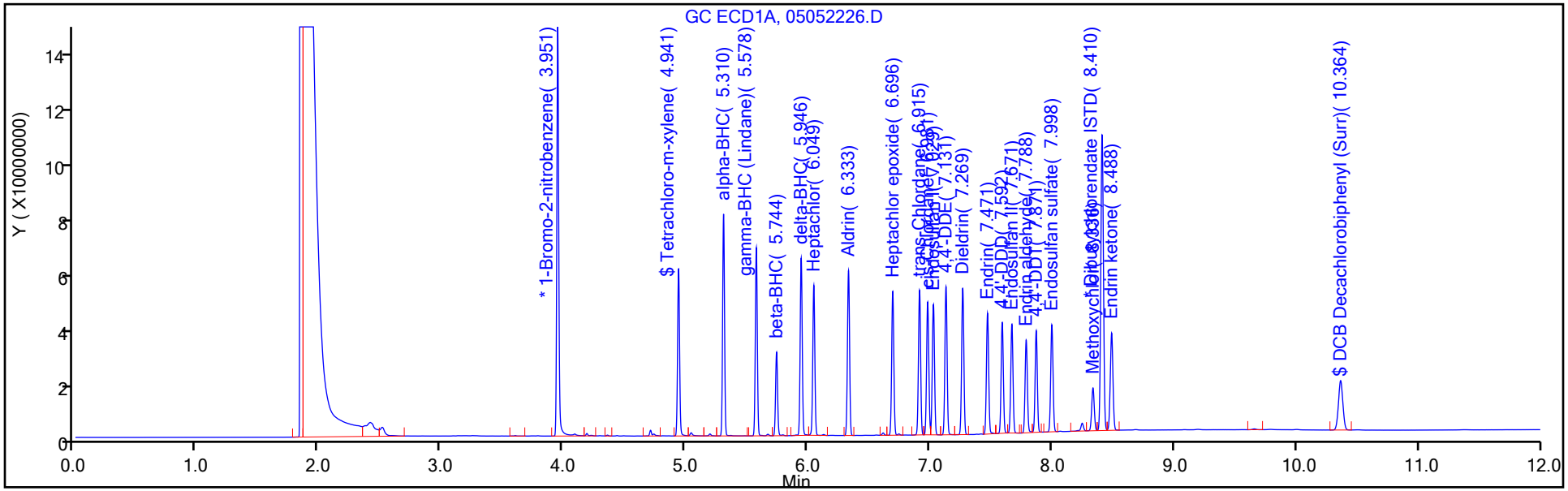
Report Date: 06-May-2022 06:32:57 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

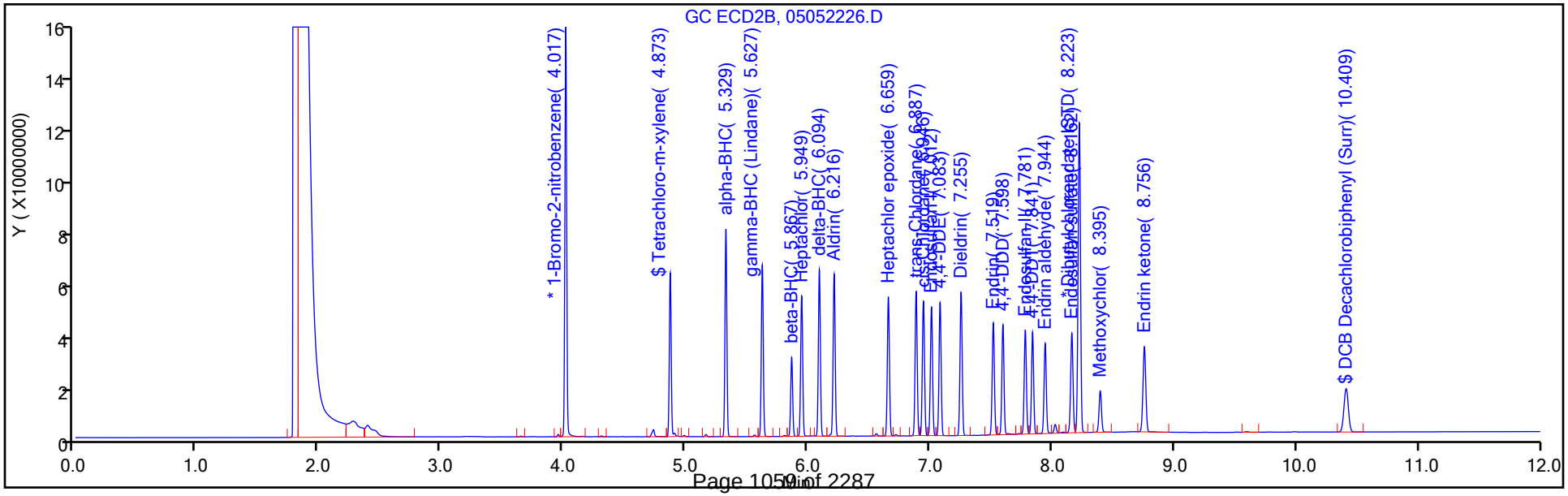
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D

Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

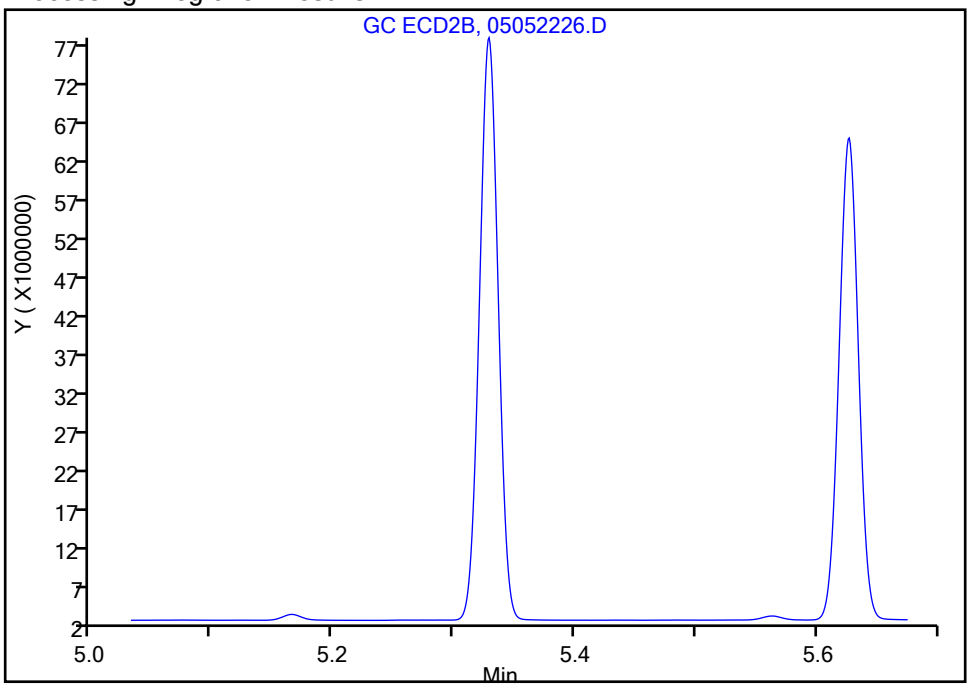
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

5 alpha-BHC, CAS: 319-84-6

Signal: 2

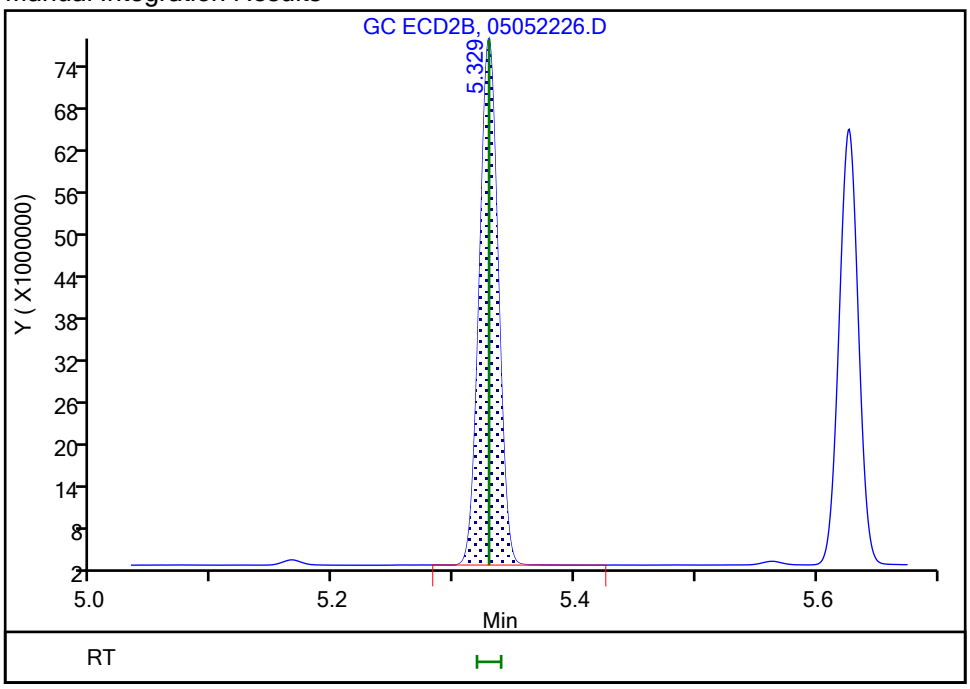
Not Detected
Expected RT: 5.33

Processing Integration Results



Manual Integration Results

RT: 5.33
Height: 75482188
Amount: 0.027202
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:50:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

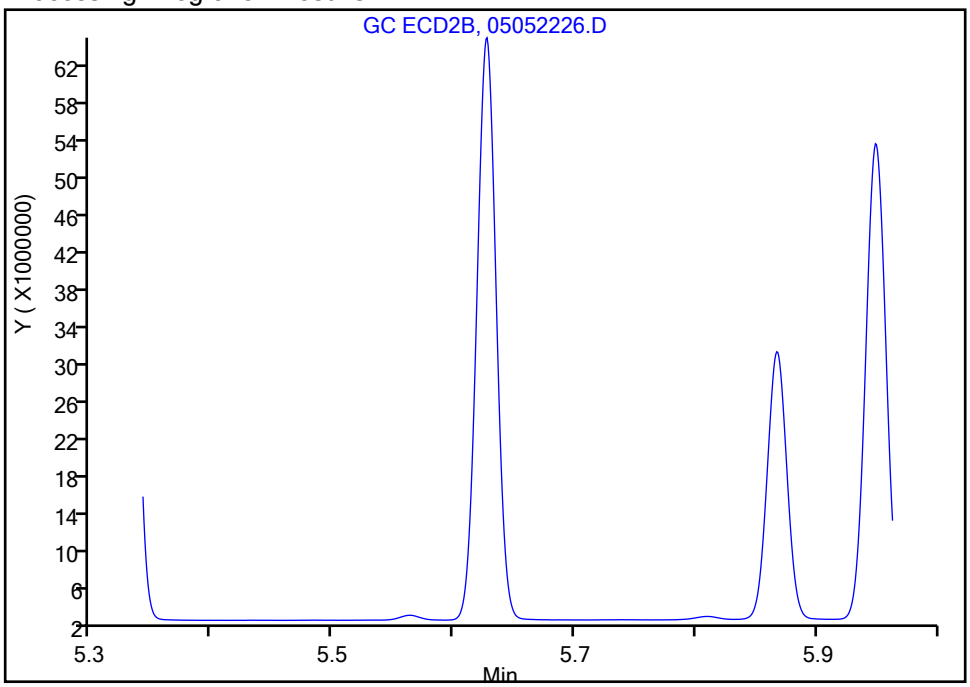
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

7 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 2

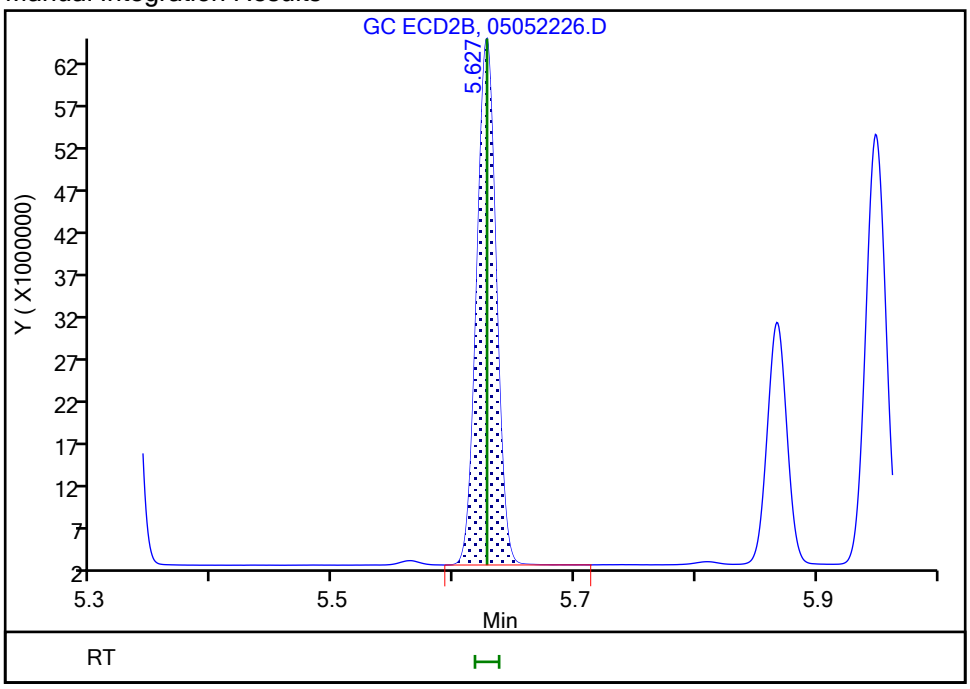
Not Detected
Expected RT: 5.63

Processing Integration Results



Manual Integration Results

RT: 5.63
Height: 62467596
Amount: 0.026736
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

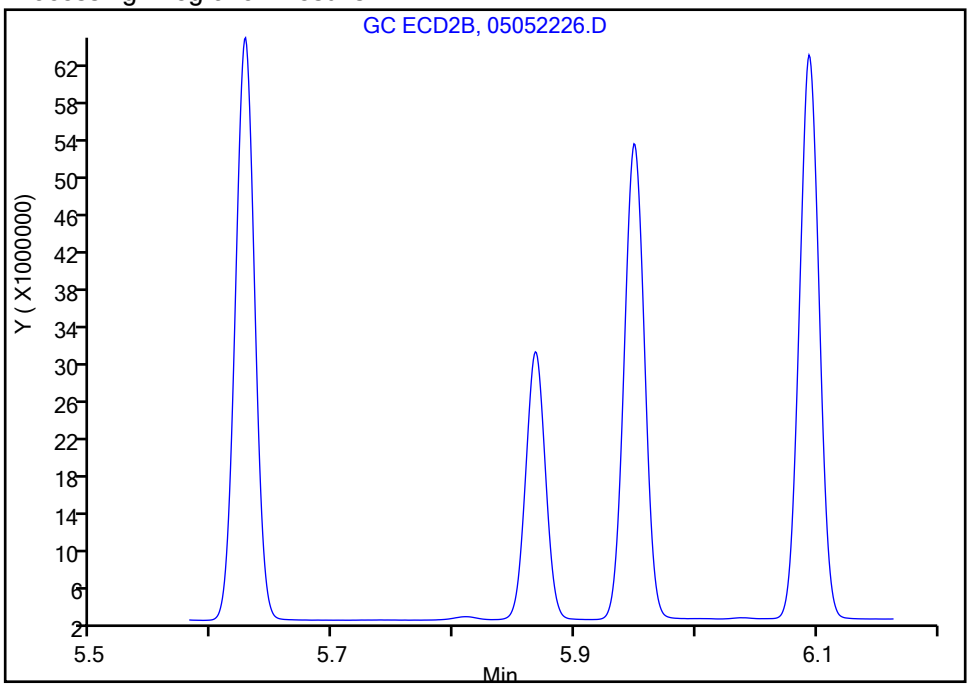
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

8 beta-BHC, CAS: 319-85-7

Signal: 2

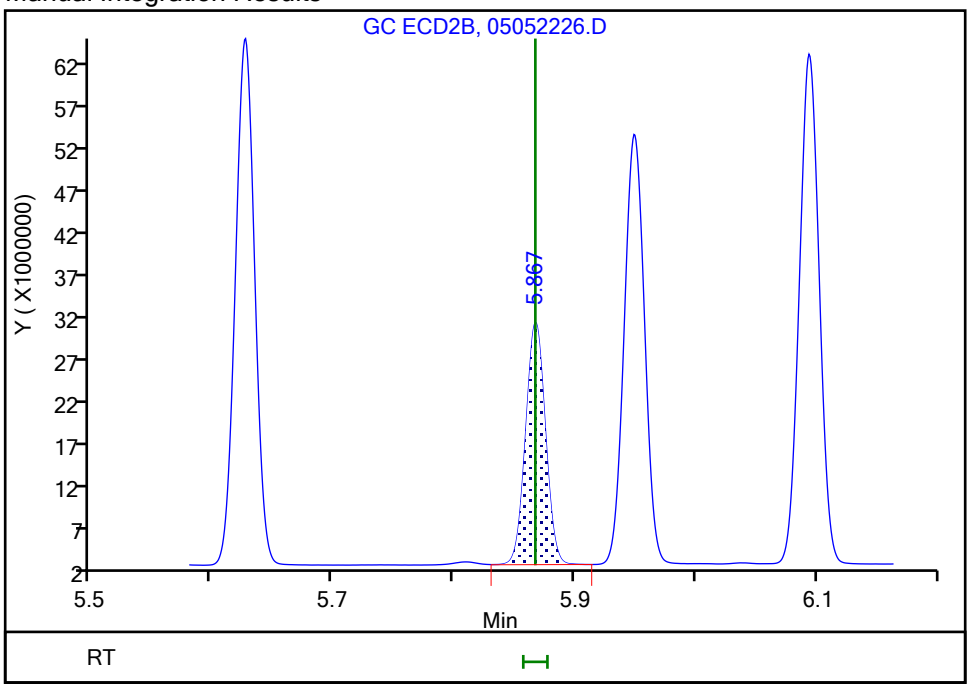
Not Detected
Expected RT: 5.87

Processing Integration Results



Manual Integration Results

RT: 5.87
Height: 28720224
Amount: 0.026036
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

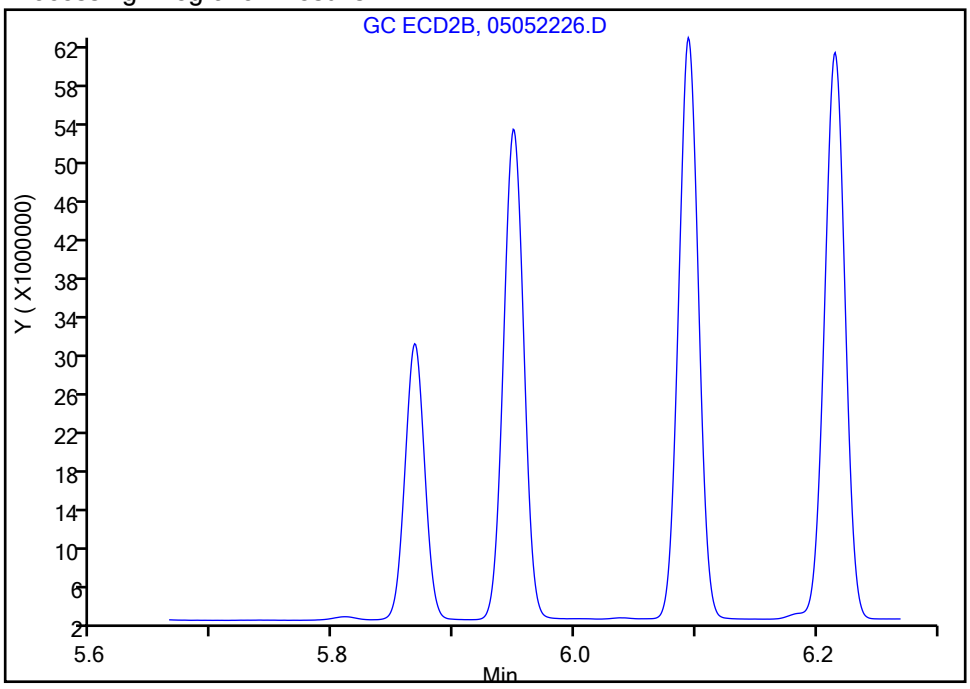
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

11 Heptachlor, CAS: 76-44-8

Signal: 2

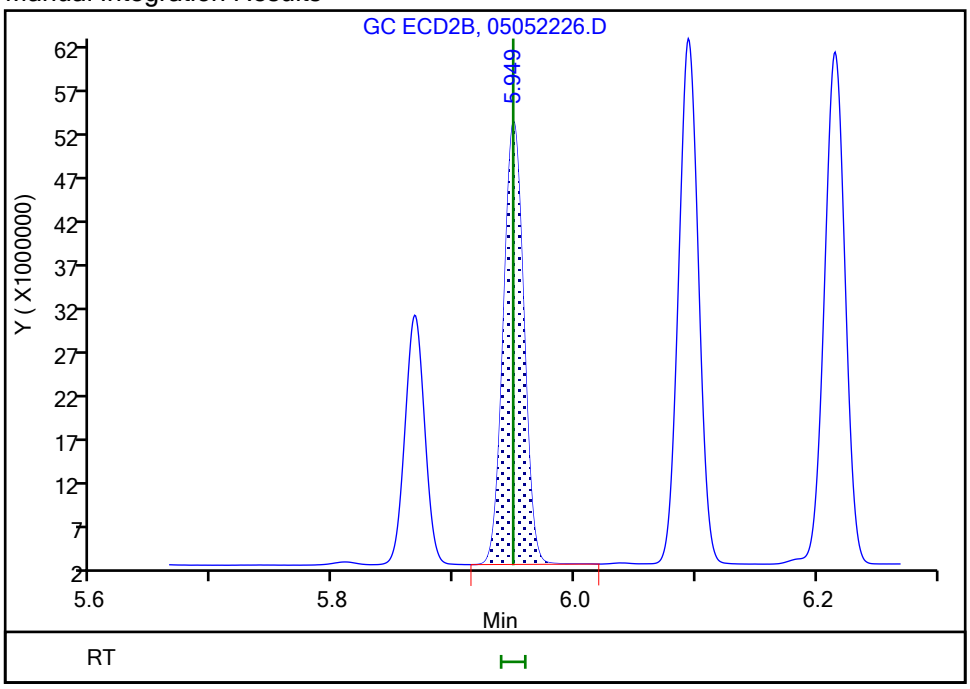
Not Detected
Expected RT: 5.95

Processing Integration Results



Manual Integration Results

RT: 5.95
Height: 50993216
Amount: 0.026485
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

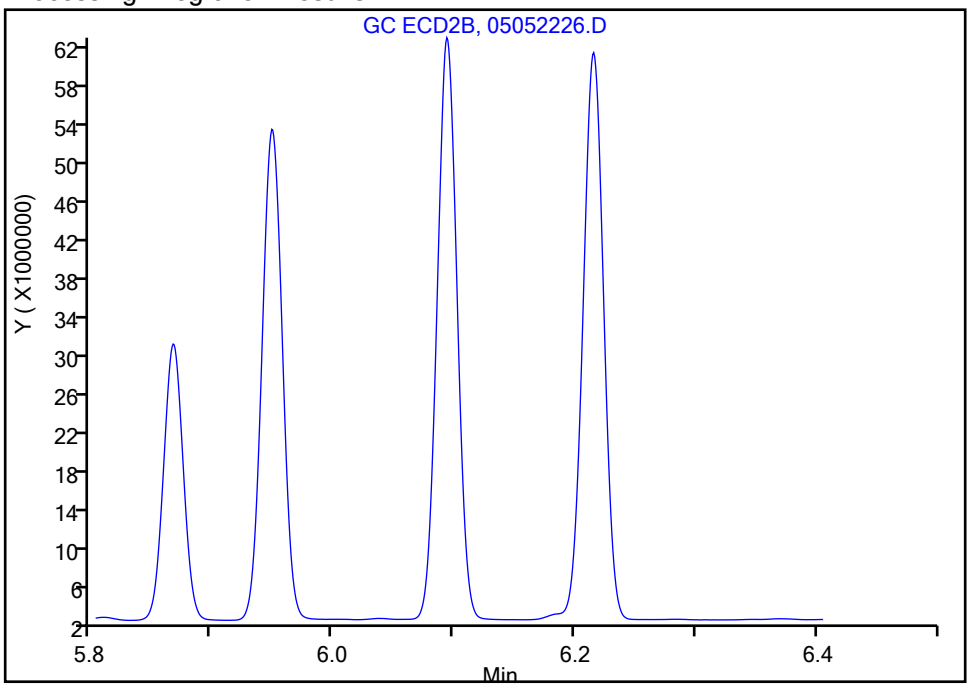
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

10 delta-BHC, CAS: 319-86-8

Signal: 2

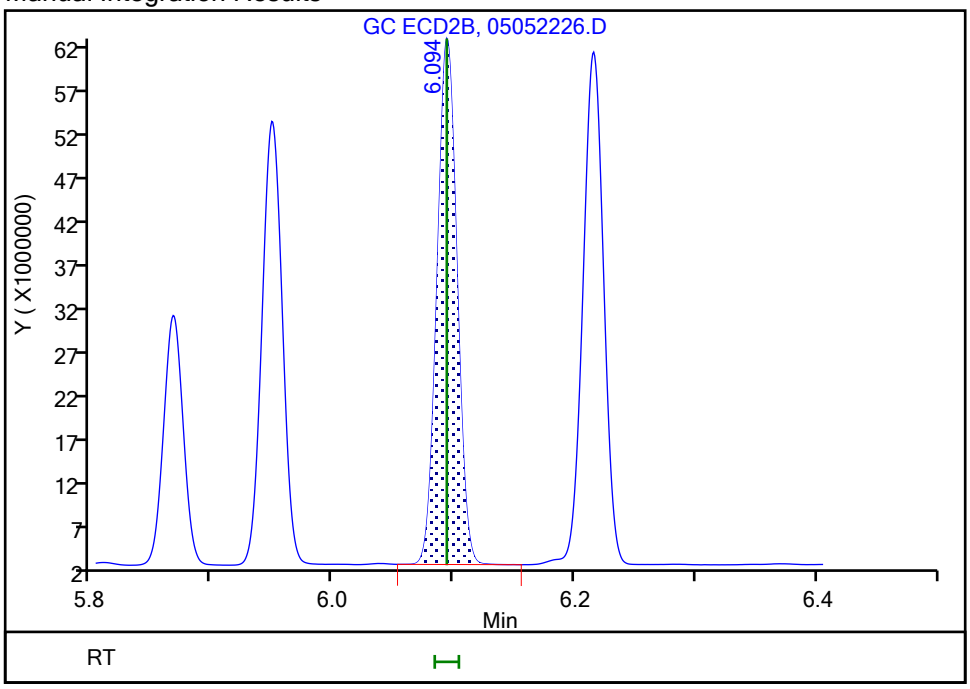
Not Detected
Expected RT: 6.09

Processing Integration Results



Manual Integration Results

RT: 6.09
Height: 60455793
Amount: 0.027138
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

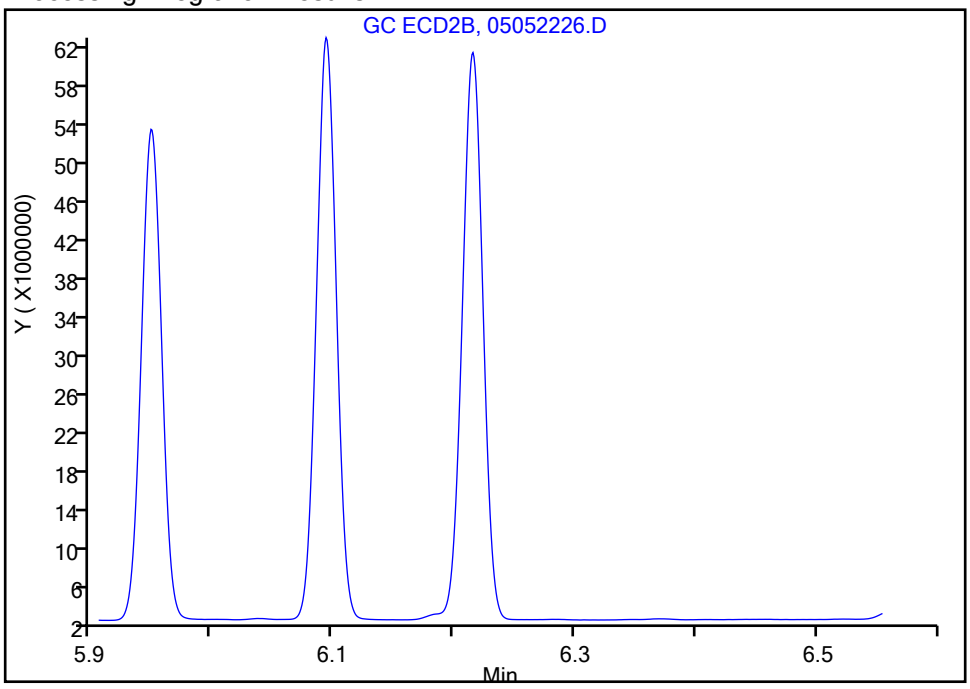
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D		
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17
Lims ID:	ICIS		
Client ID:			
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B

13 Aldrin, CAS: 309-00-2

Signal: 2

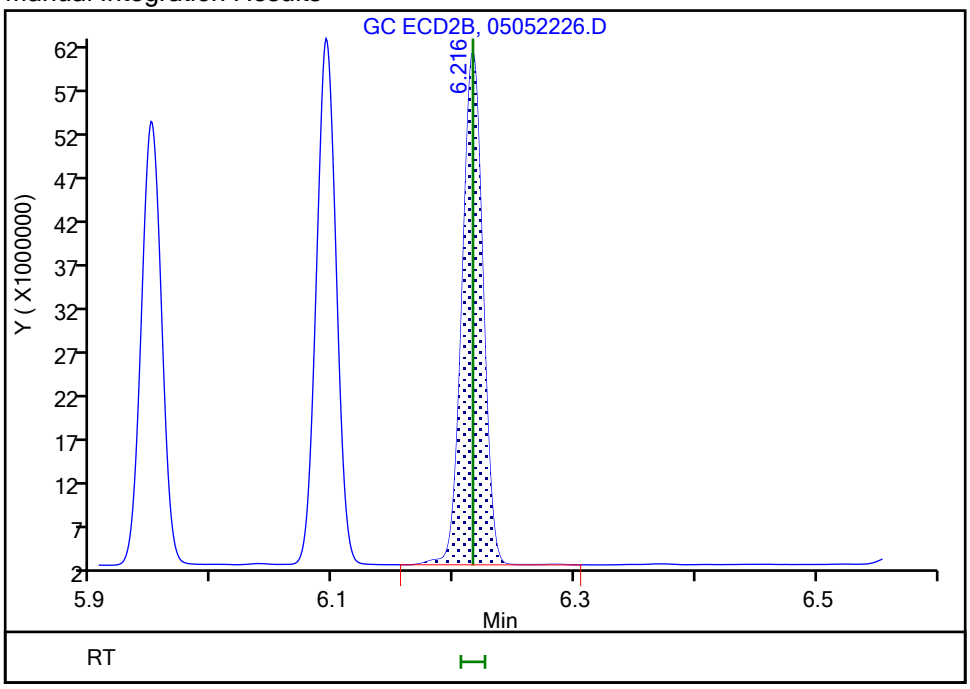
Not Detected
Expected RT: 6.22

Processing Integration Results



Manual Integration Results

RT: 6.22
Height: 58937525
Amount: 0.027356
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:51:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

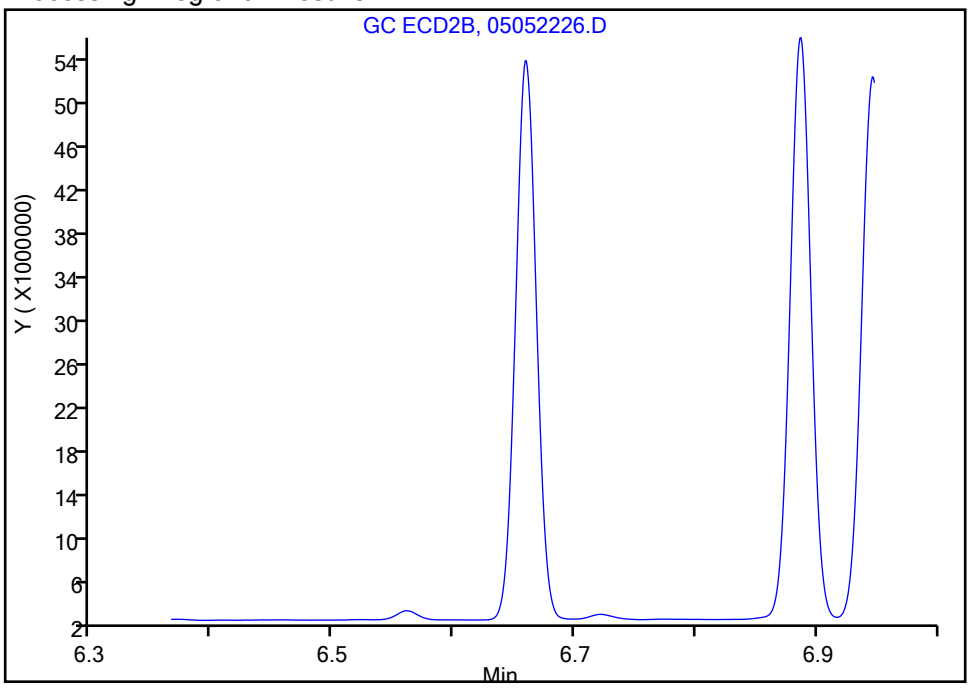
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

16 Heptachlor epoxide, CAS: 1024-57-3

Signal: 2

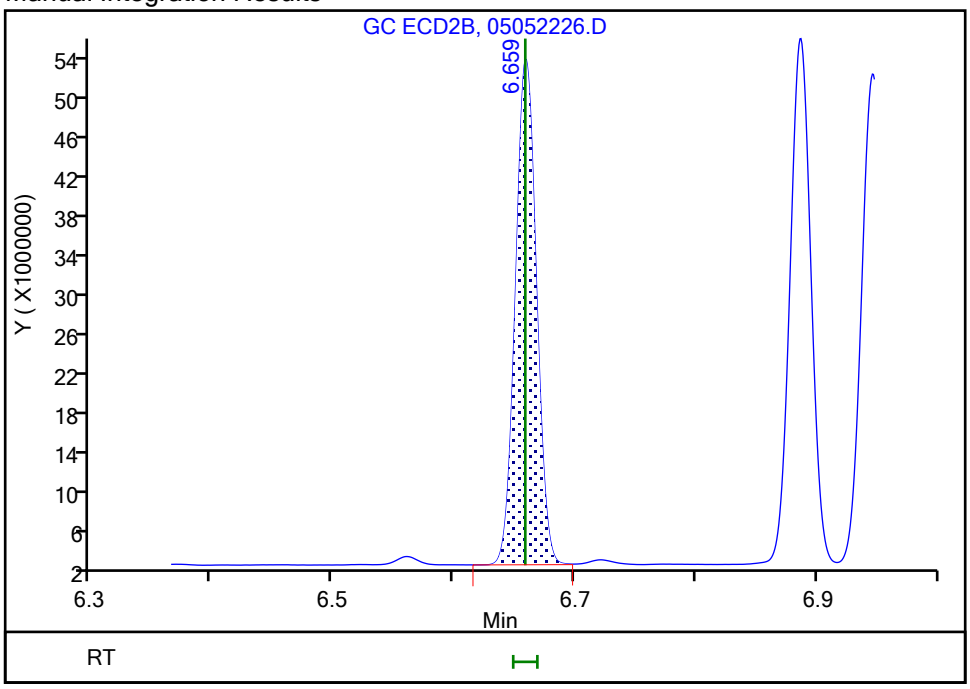
Not Detected
Expected RT: 6.66

Processing Integration Results



Manual Integration Results

RT: 6.66
Height: 50548524
Amount: 0.026853
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

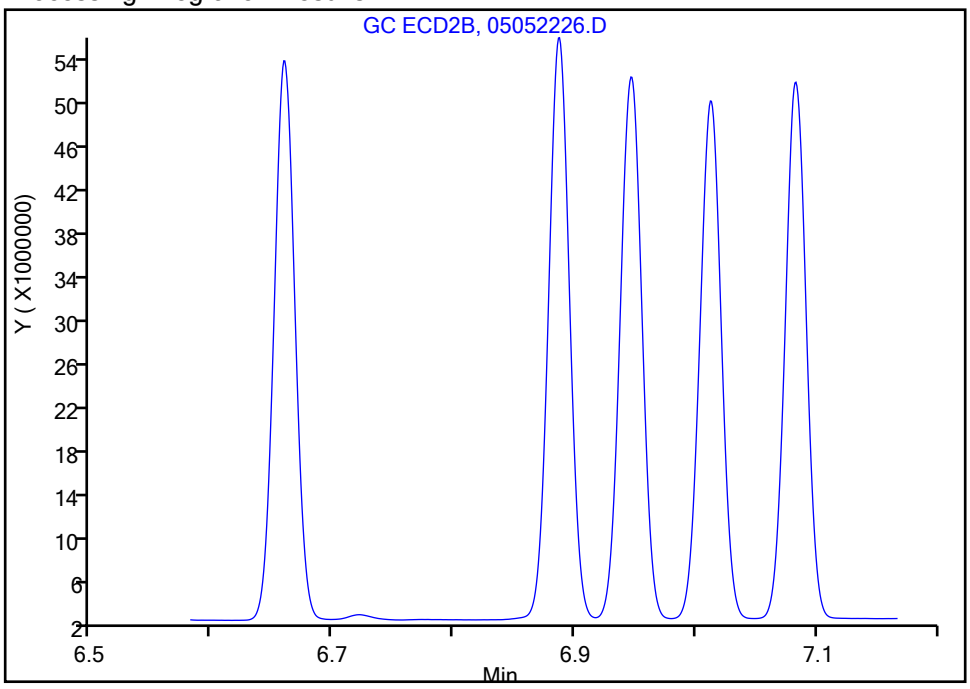
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

18 trans-Chlordane, CAS: 5103-74-2

Signal: 2

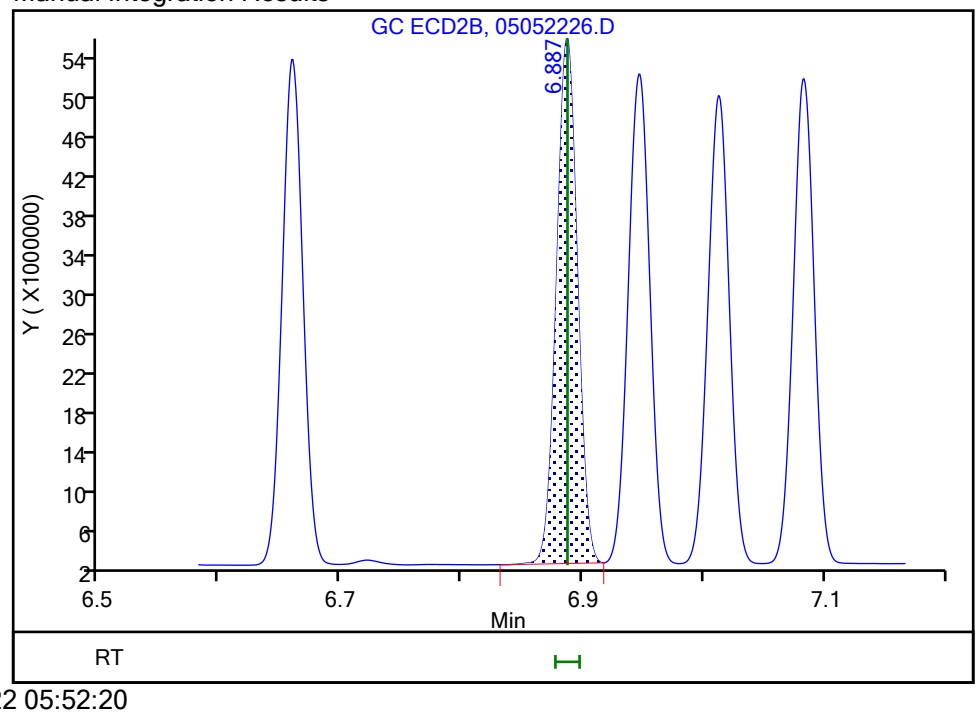
Not Detected
Expected RT: 6.89

Processing Integration Results



Manual Integration Results

RT: 6.89
Height: 52478502
Amount: 0.027100
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

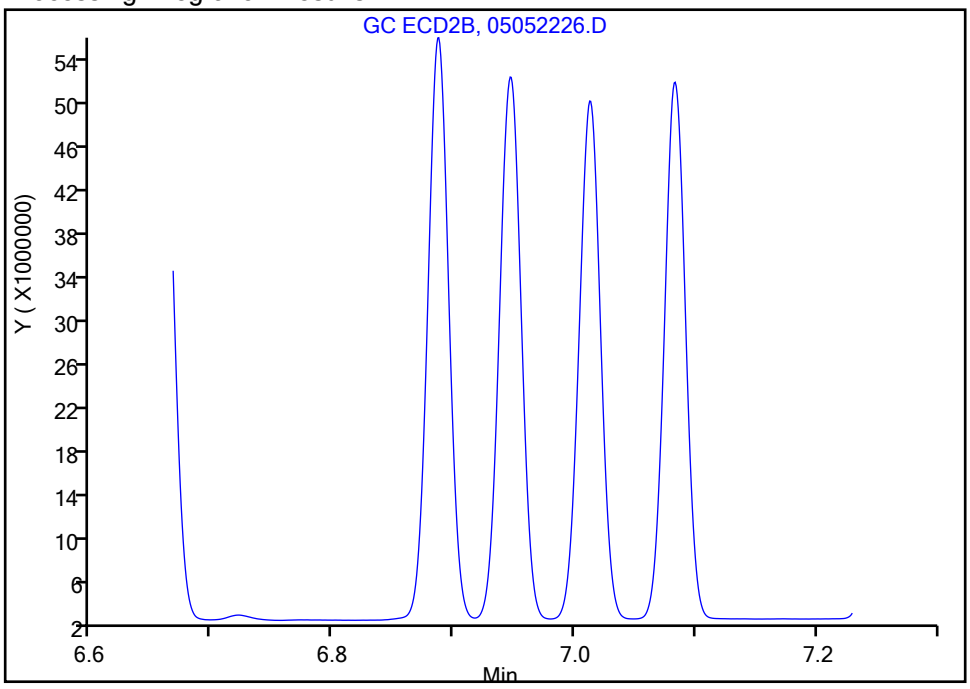
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

20 cis-Chlordane, CAS: 5103-71-9

Signal: 2

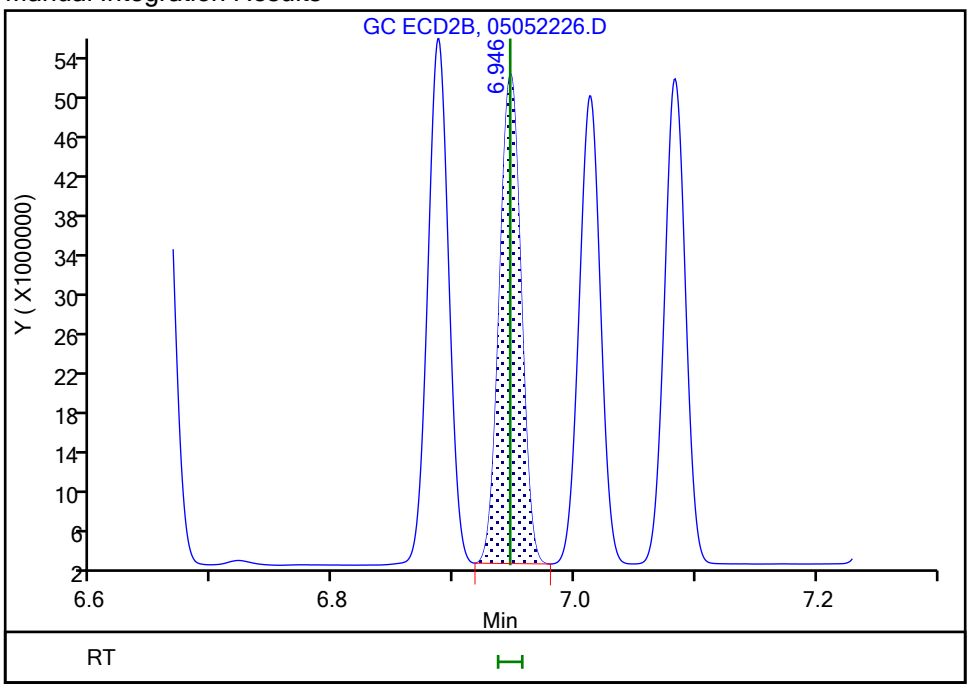
Not Detected
Expected RT: 6.95

Processing Integration Results



Manual Integration Results

RT: 6.95
Height: 48895051
Amount: 0.026144
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

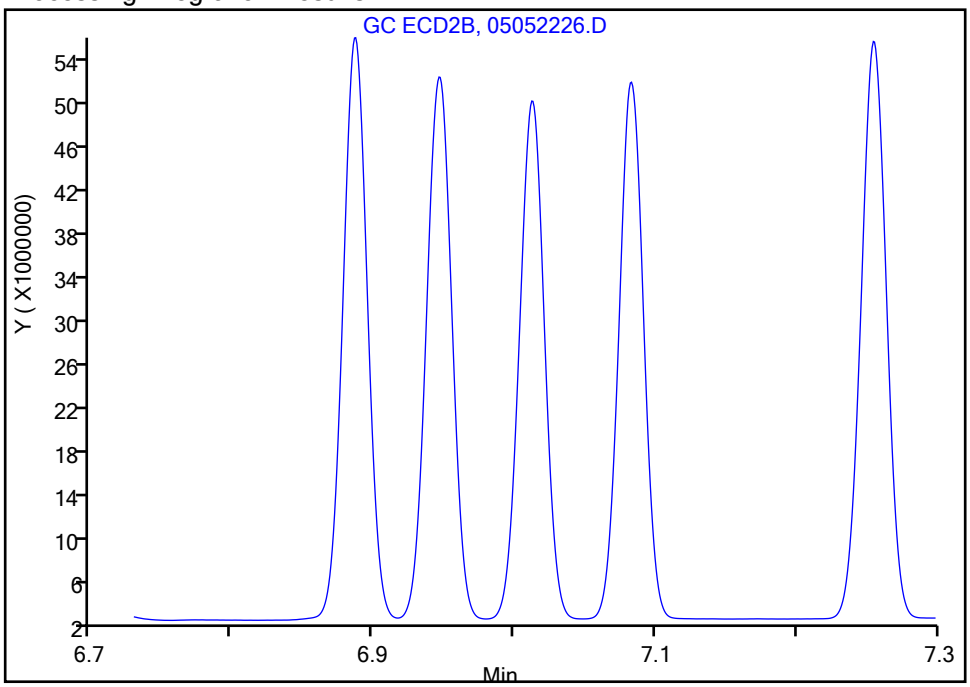
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

22 Endosulfan I, CAS: 959-98-8

Signal: 2

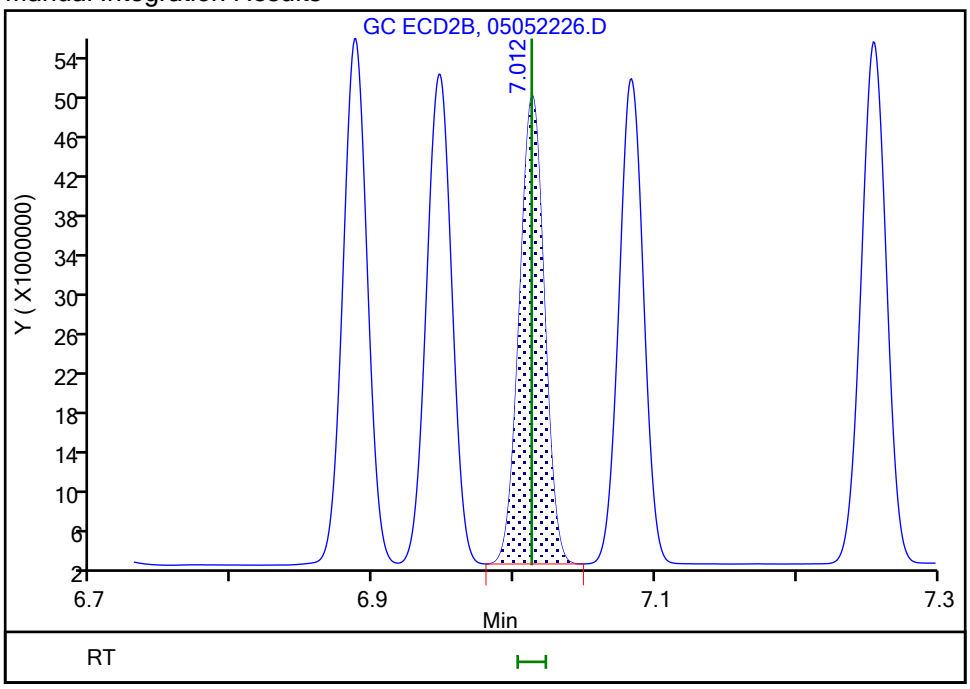
Not Detected
Expected RT: 7.01

Processing Integration Results



Manual Integration Results

RT: 7.01
Height: 46767483
Amount: 0.026888
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

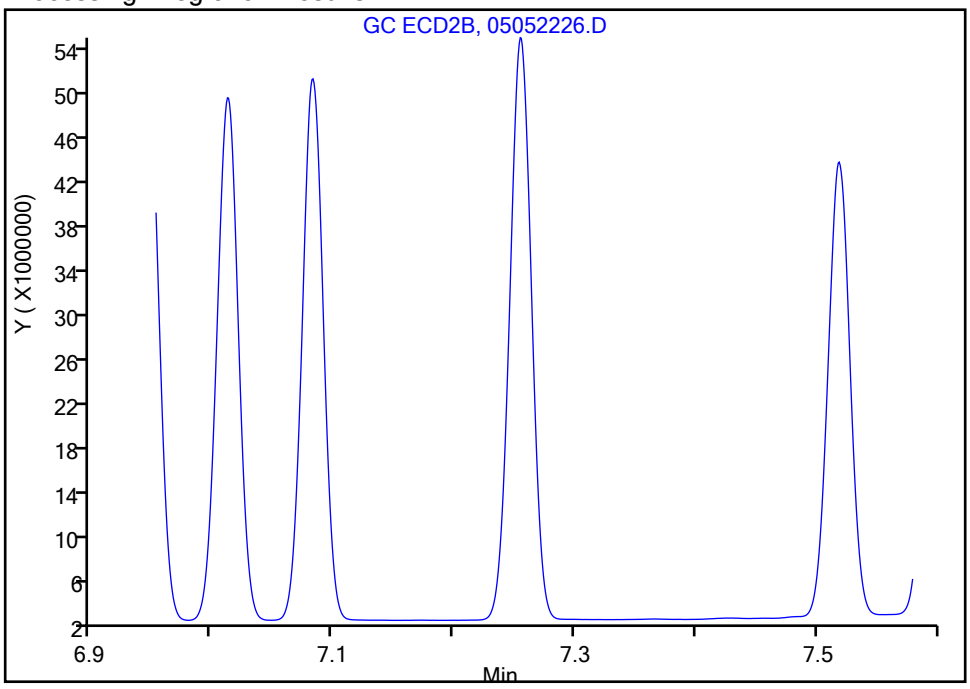
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

26 Dieldrin, CAS: 60-57-1

Signal: 2

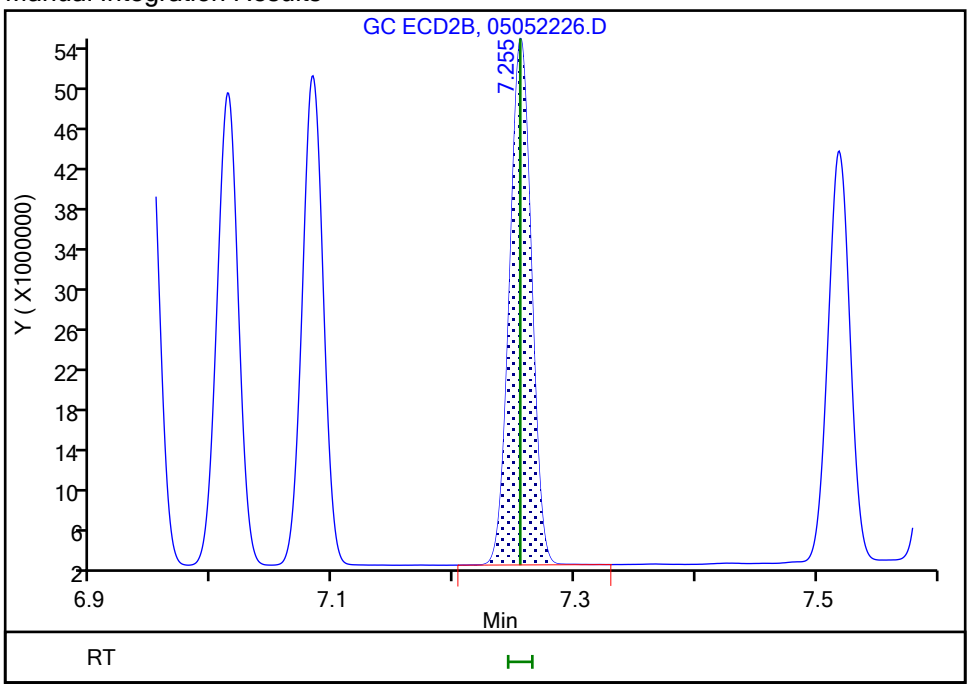
Not Detected
Expected RT: 7.25

Processing Integration Results



Manual Integration Results

RT: 7.25
Height: 52128128
Amount: 0.027456
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:52:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

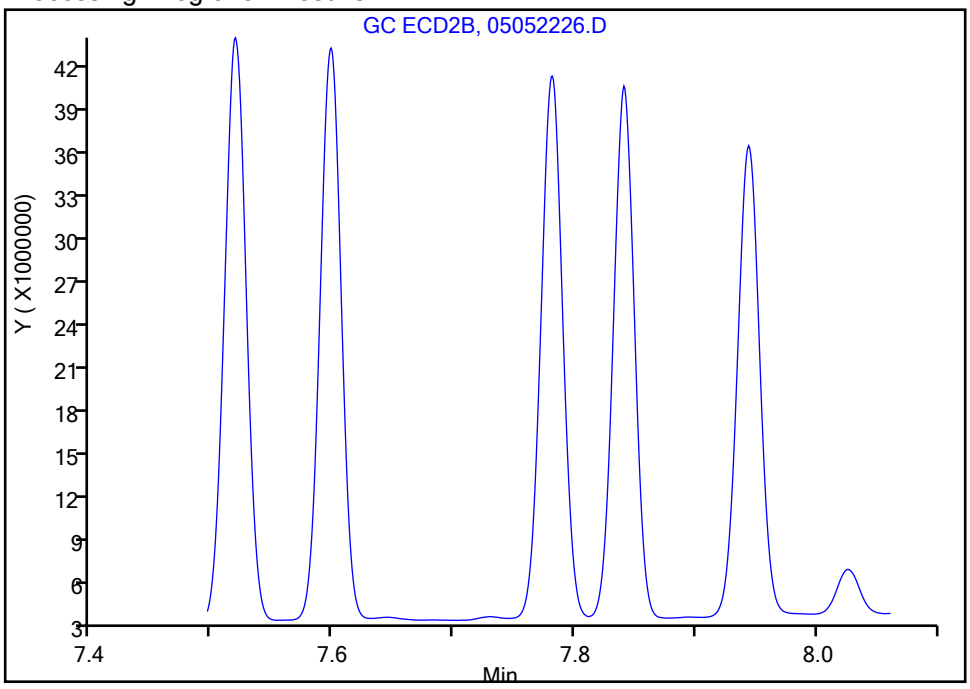
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

31 Endosulfan II, CAS: 33213-65-9

Signal: 2

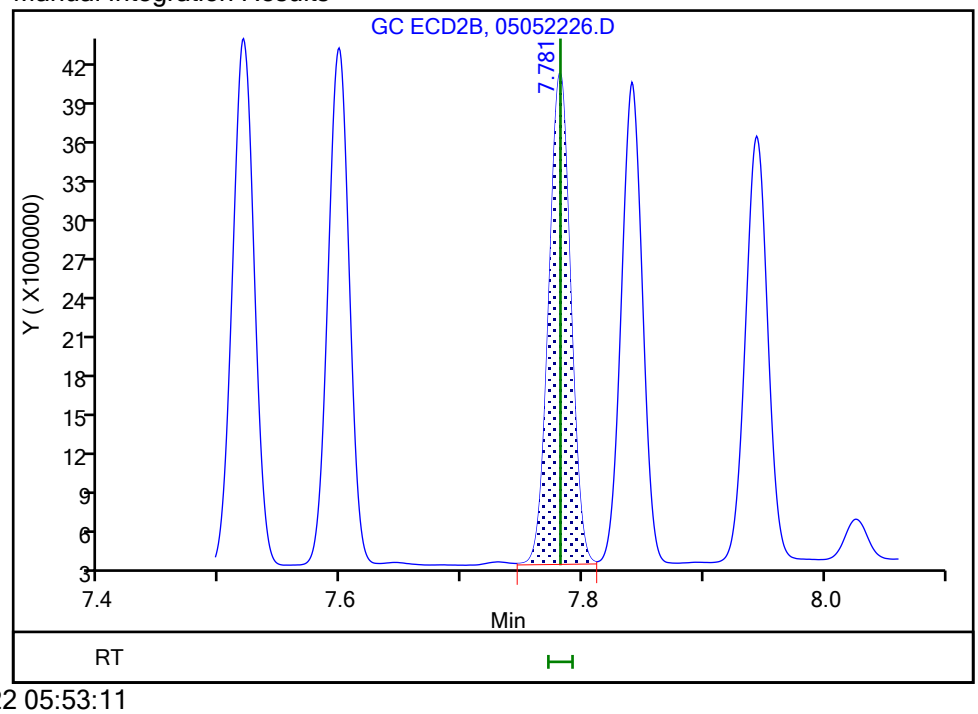
Not Detected
Expected RT: 7.78

Processing Integration Results



Manual Integration Results

RT: 7.78
Height: 37779973
Amount: 0.027156
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

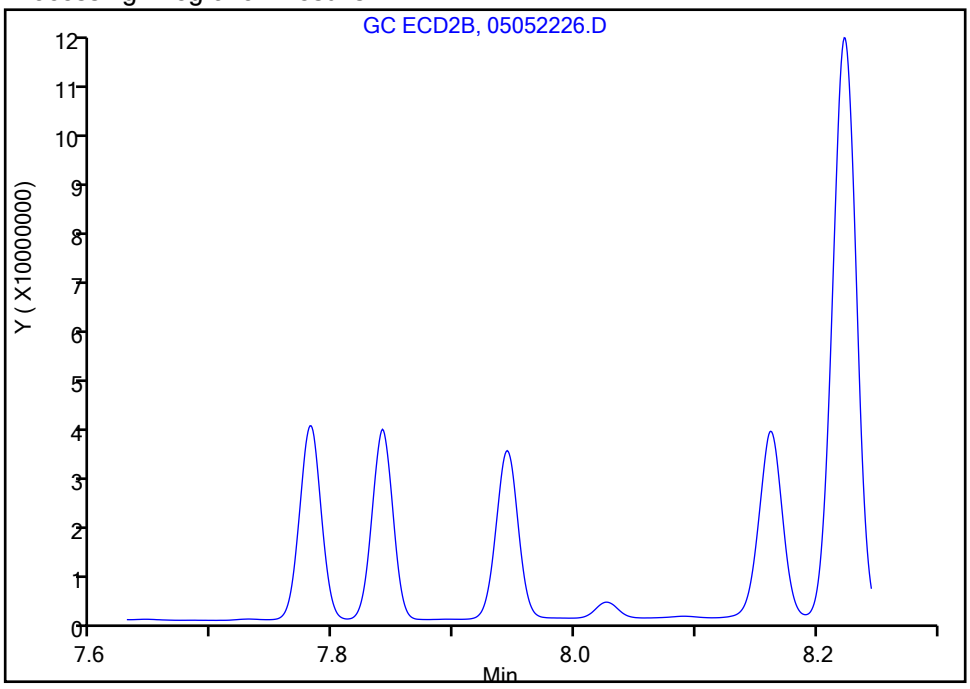
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D				
Injection Date:	05-May-2022 16:15:07	Instrument ID:	CHGC17		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		
Column:	MR-2 (0.53 mm)	Detector	GC ECD2B		

32 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

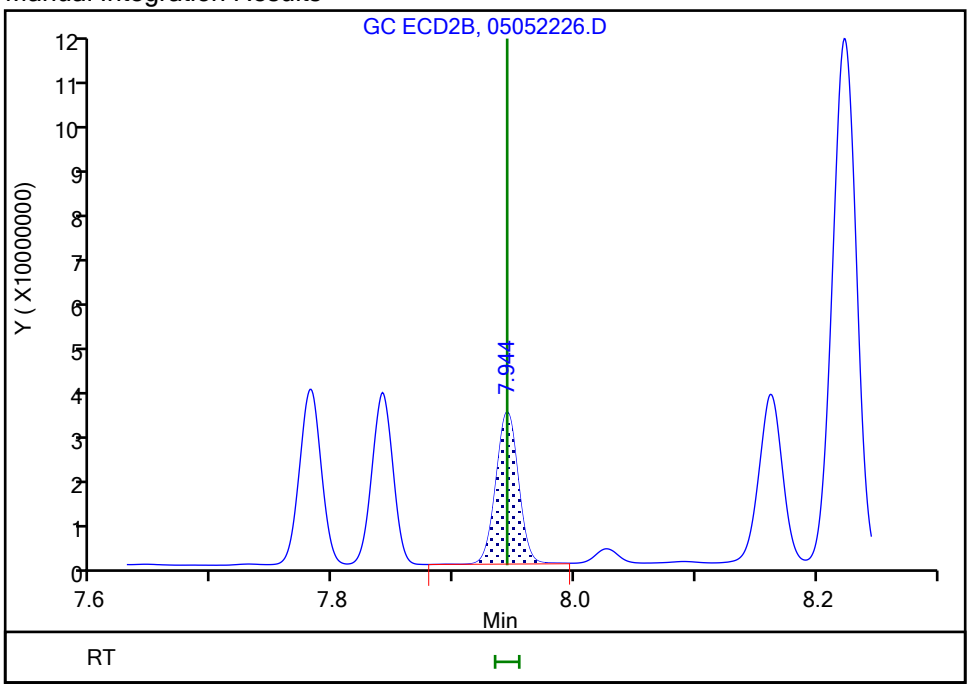
Not Detected
Expected RT: 7.94

Processing Integration Results



Manual Integration Results

RT: 7.94
Height: 32761408
Amount: 0.026856
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

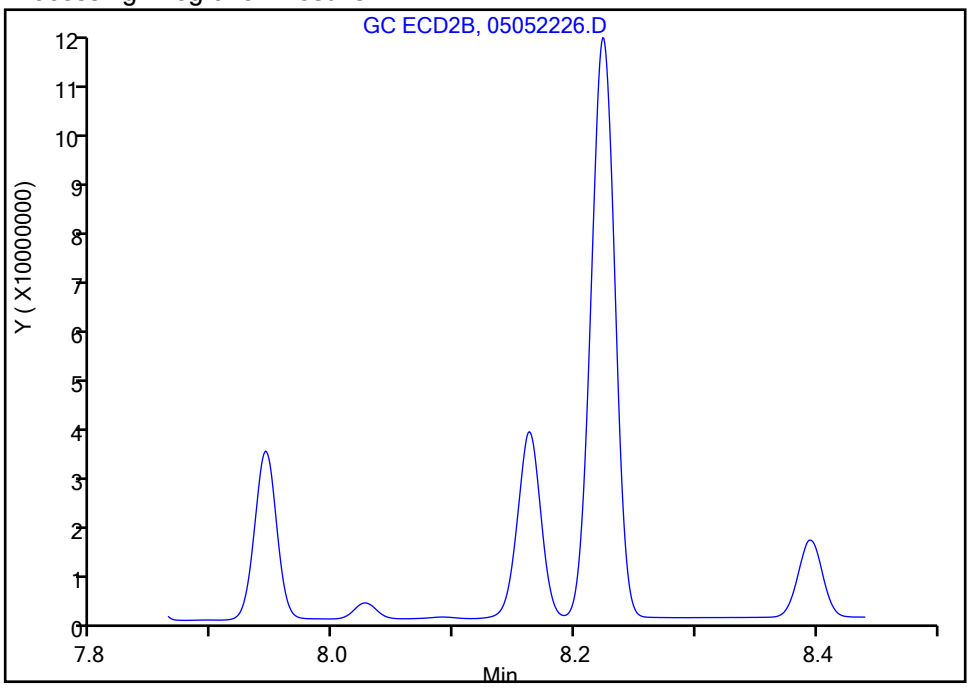
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

34 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

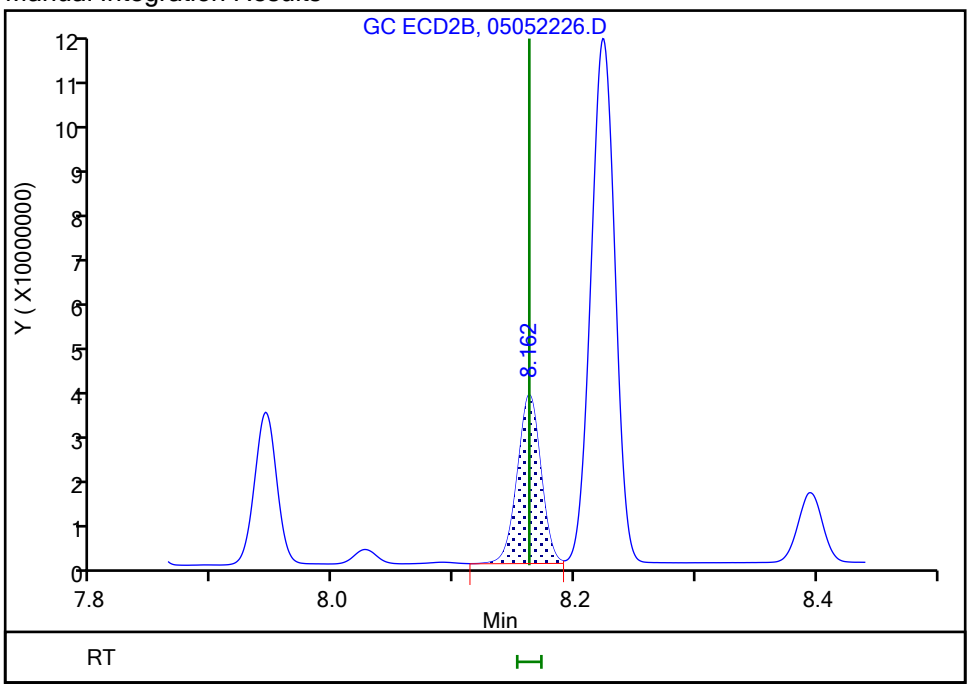
Not Detected
Expected RT: 8.16

Processing Integration Results



Manual Integration Results

RT: 8.16
Height: 36246737
Amount: 0.027302
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

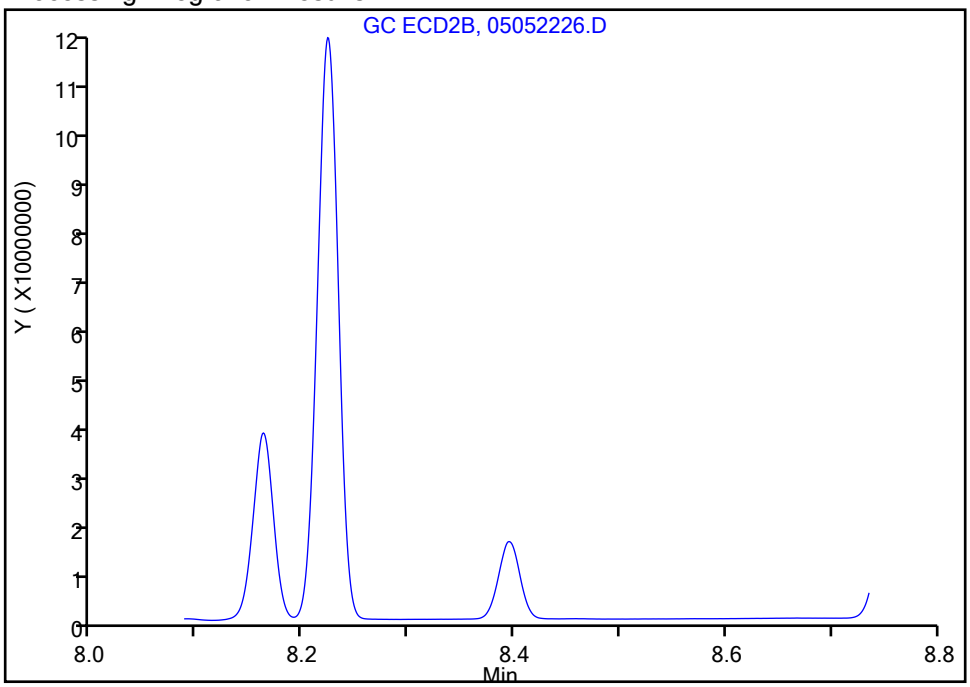
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

35 Methoxychlor, CAS: 72-43-5

Signal: 2

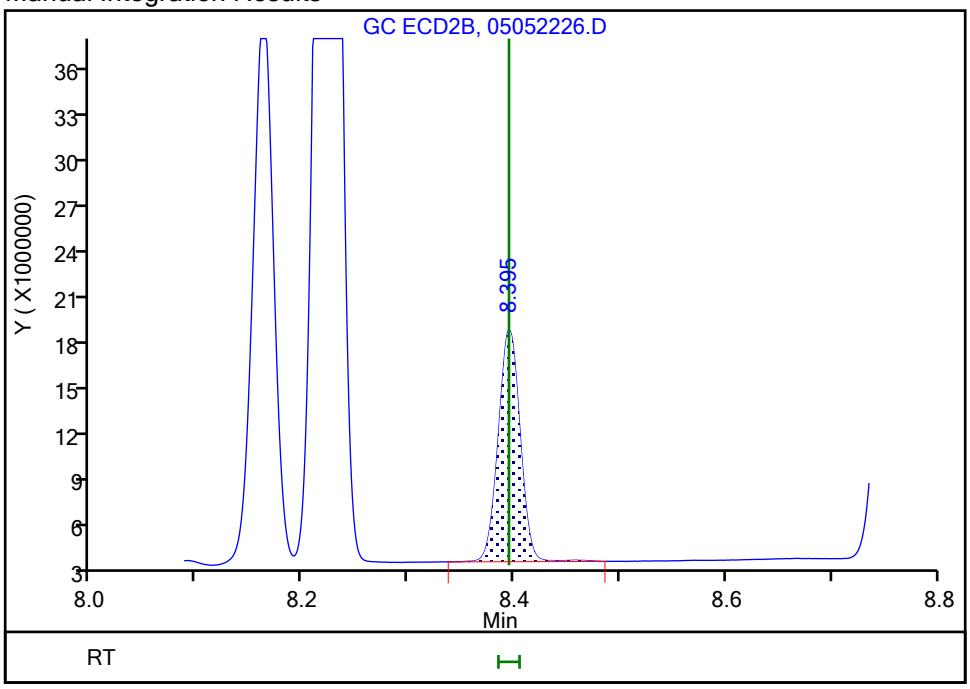
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Height: 15024819
Amount: 0.026239
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

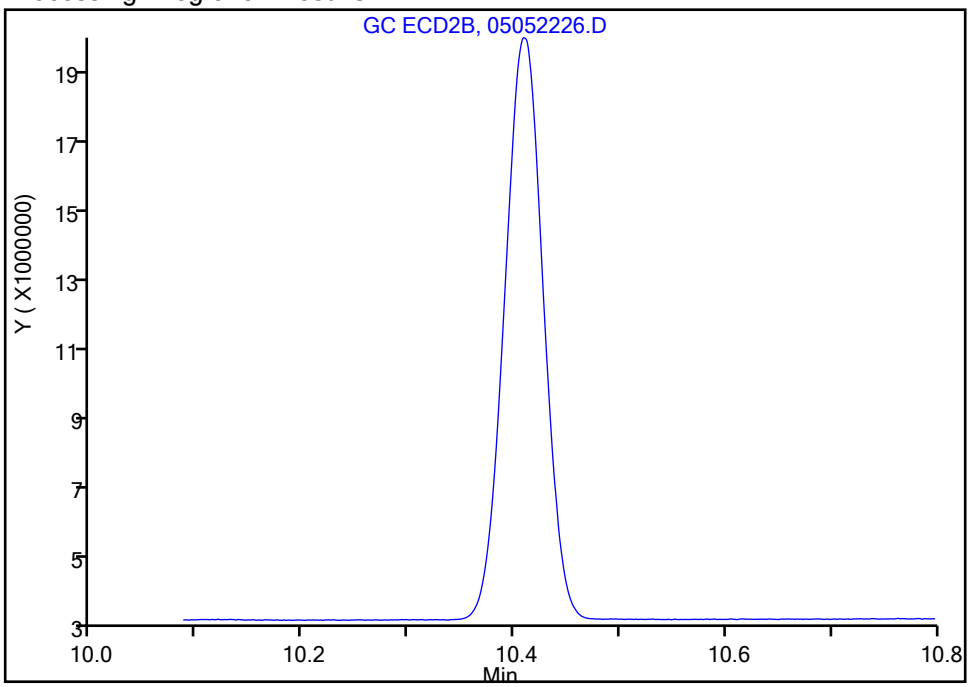
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052226.D
Injection Date: 05-May-2022 16:15:07 Instrument ID: CHGC17
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

$ 39 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

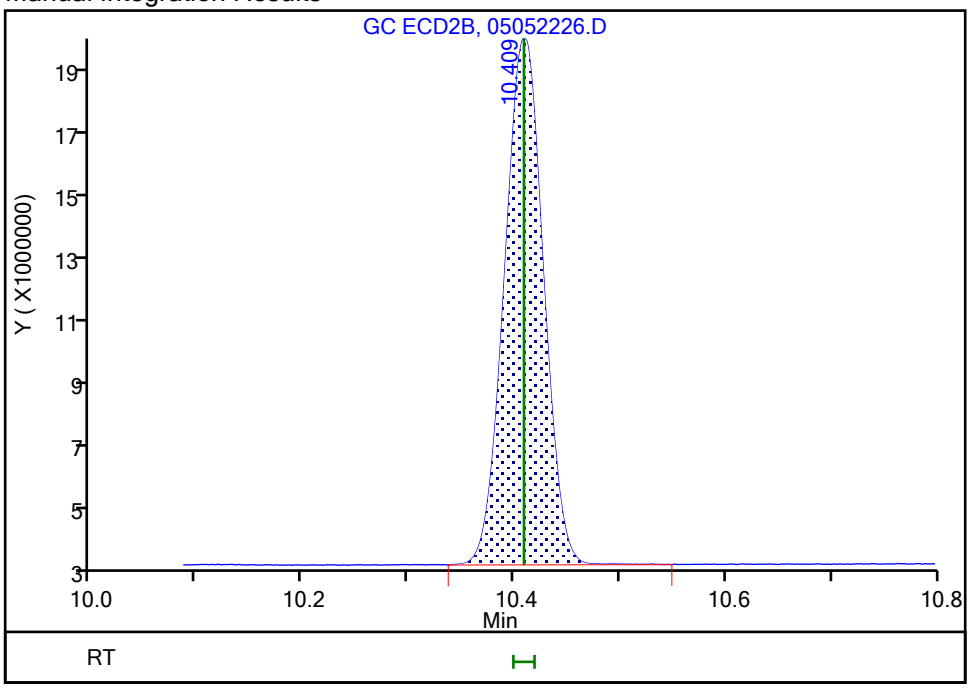
Not Detected
Expected RT: 10.41

Processing Integration Results



Manual Integration Results

RT: 10.41
Height: 15764233
Amount: 0.025434
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:53:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052227.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-May-2022 16:30:59 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-027
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:02 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:55:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	136431788H	0.1000	0.1000	
2	4.017	4.017	-0.001	147602547H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.940	4.941	-0.001	117100391H	0.0500	0.0549	
2	4.872	4.873	-0.001	120190835H	0.0500	0.0536	
						RPD = 2.35	
5 alpha-BHC							
1	5.309	5.310	-0.001	155890231H	0.0500	0.0568	
2	5.328	5.329	-0.001	150931543H	0.0500	0.0549	
						RPD = 3.34	
7 gamma-BHC (Lindane)							
1	5.577	5.578	-0.001	133836618H	0.0500	0.0567	
2	5.627	5.627	0.000	126188113H	0.0500	0.0545	
						RPD = 3.94	
8 beta-BHC							
1	5.742	5.744	-0.002	58834439H	0.0500	0.0549	
2	5.867	5.867	0.000	59006403H	0.0500	0.0540	
						RPD = 1.65	
10 delta-BHC							
1	5.945	5.946	-0.001	126911286H	0.0500	0.0568	
2	6.094	6.094	0.000	121875522H	0.0500	0.0552	
						RPD = 2.73	
11 Heptachlor							
1	6.048	6.049	-0.001	105260068H	0.0500	0.0557	
2	5.949	5.949	0.000	103815772H	0.0500	0.0544	
						RPD = 2.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.332	6.333	-0.001	116276713H	0.0500	0.0563	
2	6.215	6.216	-0.001	118111865H	0.0500	0.0554	
						RPD = 1.69	
16 Heptachlor epoxide							
1	6.695	6.696	-0.001	99695827H	0.0500	0.0558	
2	6.659	6.659	0.000	102389107H	0.0500	0.0549	
						RPD = 1.54	
18 trans-Chlordane							
1	6.914	6.915	-0.001	103535597H	0.0500	0.0560	
2	6.887	6.887	0.000	103266055H	0.0500	0.0538	
						RPD = 4.00	
20 cis-Chlordane							
1	6.981	6.981	0.000	93698047H	0.0500	0.0538	
2	6.946	6.946	0.000	102951535H	0.0500	0.0556	
						RPD = 3.33	
22 Endosulfan I							
1	7.027	7.029	-0.002	95289570H	0.0500	0.0574	
2	7.012	7.012	0.000	94695248H	0.0500	0.0550	
						RPD = 4.30	
23 4,4'-DDE							
1	7.131	7.131	0.000	108489538H	0.0500	0.0558	
2	7.082	7.083	-0.001	99326826H	0.0500	0.0546	
						RPD = 2.23	
26 Dieldrin							
1	7.267	7.269	-0.002	104579115H	0.0500	0.0551	
2	7.254	7.255	-0.001	105215470H	0.0500	0.0548	
						RPD = 0.63	
27 Endrin							
1	7.472	7.471	0.001	86320310H	0.0500	0.0549	
2	7.518	7.519	-0.001	83589185H	0.0500	0.0556	
						RPD = 1.25	
30 4,4'-DDD							
1	7.592	7.592	0.000	81039239H	0.0500	0.0550	
2	7.597	7.598	-0.001	83024160H	0.0500	0.0555	
						RPD = 0.80	
31 Endosulfan II							
1	7.671	7.671	0.000	76833333H	0.0500	0.0545	
2	7.780	7.781	-0.001	77909214H	0.0500	0.0553	
						RPD = 1.58	
32 Endrin aldehyde							
1	7.788	7.788	0.000	66990541H	0.0500	0.0547	
2	7.942	7.944	-0.002	66270080H	0.0500	0.0537	
						RPD = 1.81	
33 4,4'-DDT							
1	7.870	7.871	-0.001	72581677H	0.0500	0.0554	
2	7.839	7.841	-0.002	75133685H	0.0500	0.0553	
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	7.998	7.998	0.000	76687663H	0.0500	0.0540	
2	8.161	8.162	-0.001	73553337H	0.0500	0.0547	
						RPD = 1.31	
35 Methoxychlor							
1	8.334	8.336	-0.002	31567806H	0.0500	0.0544	
2	8.393	8.395	-0.002	31942286H	0.0500	0.0551	
						RPD = 1.31	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	-0.001	106506892H	0.1000	0.1000	
2	8.222	8.223	-0.001	114055710H	0.1000	0.1000	
37 Endrin ketone							
1	8.488	8.488	0.000	68397214H	0.0500	0.0546	
2	8.756	8.756	0.000	63028865H	0.0500	0.0550	
						RPD = 0.73	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.362	10.364	-0.002	33893834H	0.0500	0.0513	
2	10.407	10.409	-0.002	32621105H	0.0500	0.0520	
						RPD = 1.31	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL4_00029	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

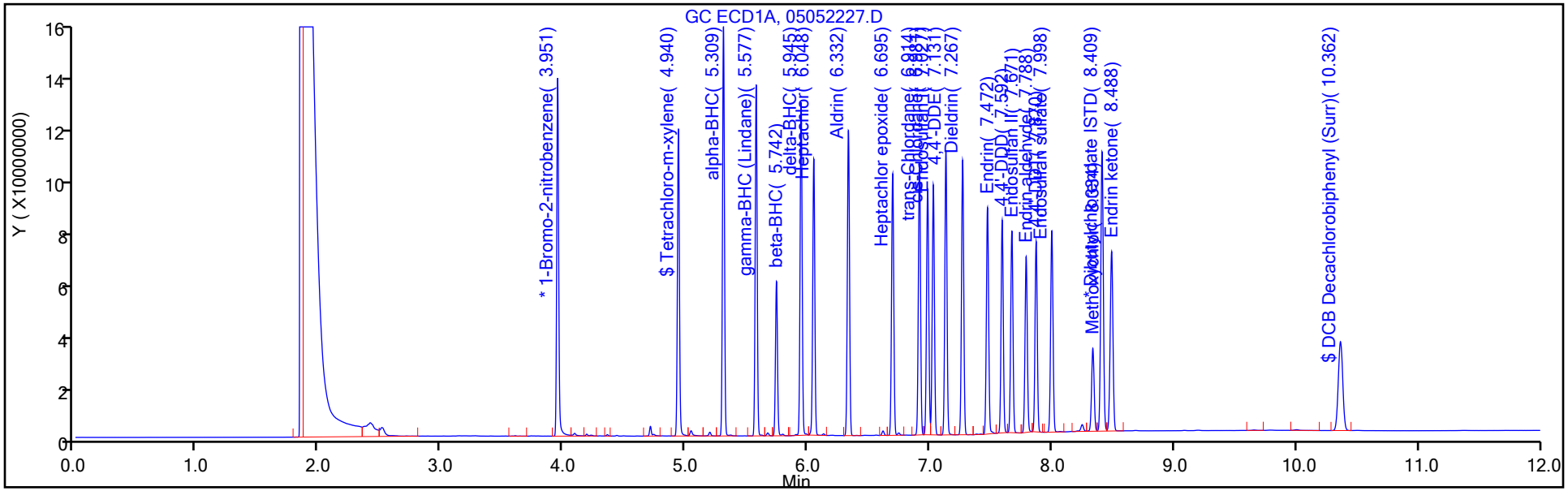
Report Date: 06-May-2022 06:33:02 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

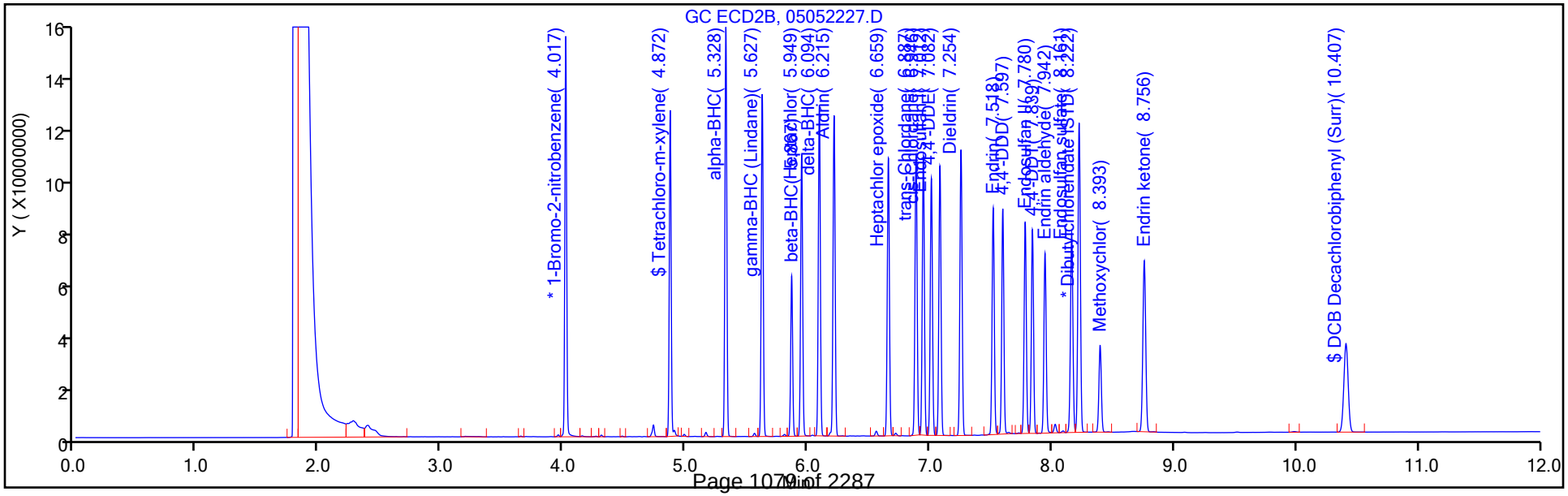
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052227.D

Injection Date:	05-May-2022 16:30:59	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052228.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-May-2022 16:46:51 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-028
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:06 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:55:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	160680058H	0.1000	0.1000	
2	4.017	4.017	0.000	173471150H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.941	4.941	0.000	221802062H	0.1000	0.0883	
2	4.874	4.873	0.001	223048200H	0.1000	0.0847	
						RPD = 4.19	
5 alpha-BHC							
1	5.311	5.310	0.001	295833490H	0.1000	0.0915	
2	5.330	5.329	0.001	279082202H	0.1000	0.0864	
						RPD = 5.73	
7 gamma-BHC (Lindane)							
1	5.579	5.578	0.001	253217175H	0.1000	0.0911	
2	5.628	5.627	0.001	237589448H	0.1000	0.0874	
						RPD = 4.21	
8 beta-BHC							
1	5.745	5.744	0.001	111861729H	0.1000	0.0886	
2	5.869	5.867	0.002	109358857H	0.1000	0.0852	
						RPD = 4.00	
10 delta-BHC							
1	5.947	5.946	0.001	243154864H	0.1000	0.0923	
2	6.096	6.094	0.002	229115240H	0.1000	0.0884	
						RPD = 4.41	
11 Heptachlor							
1	6.051	6.049	0.002	198011435H	0.1000	0.0889	
2	5.950	5.949	0.001	191492577H	0.1000	0.0854	
						RPD = 4.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.334	6.333	0.001	221071353H	0.1000	0.0909	
2	6.216	6.216	0.000	219243967H	0.1000	0.0874	
						RPD = 3.88	
16 Heptachlor epoxide							
1	6.697	6.696	0.001	188845266H	0.1000	0.0897	
2	6.661	6.659	0.002	186910305H	0.1000	0.0853	
						RPD = 5.02	
18 trans-Chlordane							
1	6.916	6.915	0.001	198712809H	0.1000	0.0913	
2	6.888	6.887	0.001	197364474H	0.1000	0.0876	
						RPD = 4.21	
20 cis-Chlordane							
1	6.983	6.981	0.002	178702984H	0.1000	0.0871	
2	6.948	6.946	0.002	189923474H	0.1000	0.0872	
						RPD = 0.22	
22 Endosulfan I							
1	7.030	7.029	0.001	173479931H	0.1000	0.0887	
2	7.014	7.012	0.002	177976498H	0.1000	0.0879	
						RPD = 0.91	
23 4,4'-DDE							
1	7.132	7.131	0.001	202041258H	0.1000	0.0870	
2	7.084	7.083	0.001	185176821H	0.1000	0.0853	
						RPD = 1.95	
26 Dieldrin							
1	7.270	7.269	0.001	194709748H	0.1000	0.0859	
2	7.256	7.255	0.001	197012456H	0.1000	0.0860	
						RPD = 0.11	
27 Endrin							
1	7.474	7.471	0.003	161282623H	0.1000	0.0859	
2	7.520	7.519	0.001	151565099H	0.1000	0.0845	
						RPD = 1.57	
30 4,4'-DDD							
1	7.594	7.592	0.002	152634294H	0.1000	0.0868	
2	7.599	7.598	0.001	154164228H	0.1000	0.0864	
						RPD = 0.45	
31 Endosulfan II							
1	7.673	7.671	0.002	145610583H	0.1000	0.0864	
2	7.782	7.781	0.001	144543156H	0.1000	0.0861	
						RPD = 0.37	
32 Endrin aldehyde							
1	7.790	7.788	0.002	126473862H	0.1000	0.0864	
2	7.945	7.944	0.001	129013555H	0.1000	0.0877	
						RPD = 1.43	
33 4,4'-DDT							
1	7.872	7.871	0.001	140351705H	0.1000	0.0897	
2	7.841	7.841	0.000	147578869H	0.1000	0.0912	
						RPD = 1.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.001	7.998	0.003	148181501H	0.1000	0.0874	
2	8.163	8.162	0.001	140509770H	0.1000	0.0877	
						RPD = 0.35	
35 Methoxychlor							
1	8.336	8.336	0.000	61843648H	0.1000	0.0892	
2	8.396	8.395	0.001	61617276H	0.1000	0.0892	
						RPD = 0.06	
* 36 Dibutylchlorendate ISTD							
1	8.412	8.410	0.003	127194864H	0.1000	0.1000	
2	8.225	8.223	0.002	135972501H	0.1000	0.1000	
37 Endrin ketone							
1	8.491	8.488	0.003	130197488H	0.1000	0.0871	
2	8.758	8.756	0.002	121524971H	0.1000	0.0890	
						RPD = 2.19	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.366	10.364	0.002	64424330H	0.1000	0.0817	
2	10.411	10.409	0.002	62214973H	0.1000	0.0832	
						RPD = 1.82	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL5_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

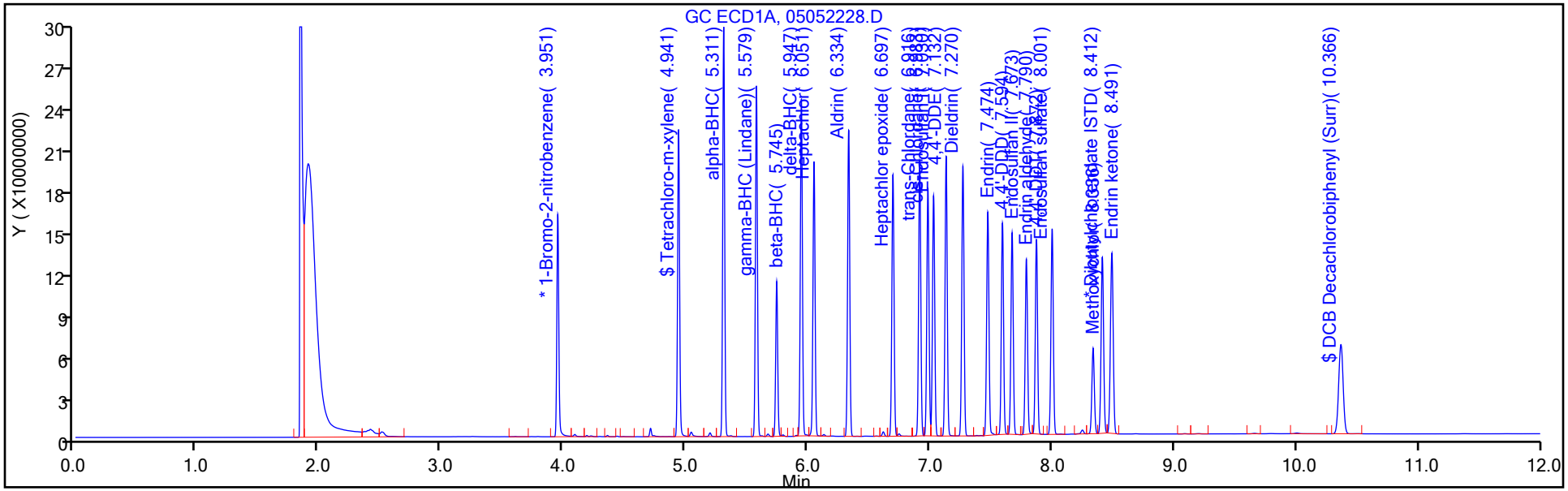
Report Date: 06-May-2022 06:33:06 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

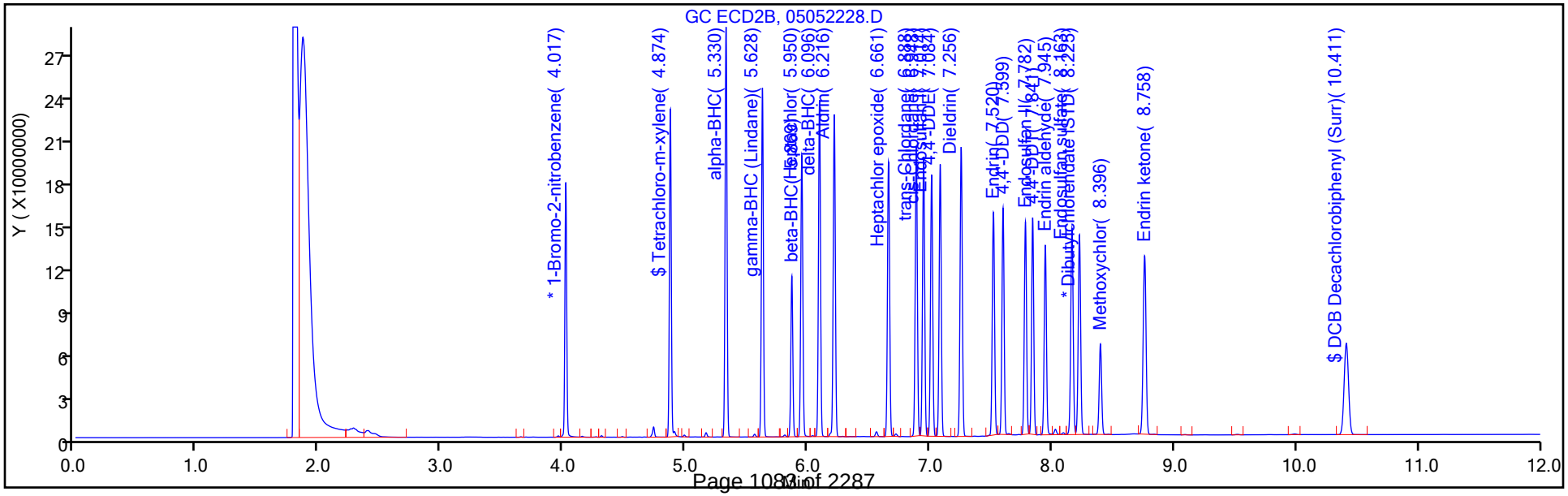
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052228.D

Injection Date:	05-May-2022 16:46:51	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-May-2022 17:02:49 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-029
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 06:10:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.953	3.951	0.002	164911143H	0.1000	0.1000	
2	4.019	4.017	0.002	176917979H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	4.944	4.941	0.003	436237213H	0.2000	0.1693	
2	4.877	4.873	0.004	425610413H	0.2000	0.1585	
						RPD = 6.58	
5 alpha-BHC							
1	5.313	5.310	0.003	585713118H	0.2000	0.1765	
2	5.332	5.329	0.003	541600714H	0.2000	0.1644	
						RPD = 7.09	
7 gamma-BHC (Lindane)							
1	5.581	5.578	0.003	490574249H	0.2000	0.1720	
2	5.631	5.627	0.004	458164175H	0.2000	0.1652	
						RPD = 4.04	
8 beta-BHC							
1	5.747	5.744	0.003	223939741H	0.2000	0.1729	
2	5.872	5.867	0.005	213885902H	0.2000	0.1633	
						RPD = 5.69	
10 delta-BHC							
1	5.949	5.946	0.003	479356556H	0.2000	0.1774	
2	6.098	6.094	0.004	443543870H	0.2000	0.1677	
						RPD = 5.60	
11 Heptachlor							
1	6.053	6.049	0.004	393657967H	0.2000	0.1723	
2	5.953	5.949	0.004	374900233H	0.2000	0.1640	
						RPD = 4.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.337	6.333	0.004	422803619H	0.2000	0.1694	
2	6.220	6.216	0.004	416532800H	0.2000	0.1629	
						RPD = 3.91	
16 Heptachlor epoxide							
1	6.700	6.696	0.004	370352528H	0.2000	0.1714	
2	6.664	6.659	0.005	360711825H	0.2000	0.1614	
						RPD = 6.00	
18 trans-Chlordane							
1	6.918	6.915	0.003	391292746H	0.2000	0.1752	
2	6.892	6.887	0.005	383566682H	0.2000	0.1668	
						RPD = 4.89	
20 cis-Chlordane							
1	6.986	6.981	0.005	361304526H	0.2000	0.1715	
2	6.951	6.946	0.005	368876619H	0.2000	0.1661	
						RPD = 3.17	
22 Endosulfan I							
1	7.032	7.029	0.003	339305611H	0.2000	0.1691	
2	7.017	7.012	0.005	337906818H	0.2000	0.1636	
						RPD = 3.25	
23 4,4'-DDE							
1	7.135	7.131	0.004	399797604H	0.2000	0.1767	
2	7.087	7.083	0.004	362966413H	0.2000	0.1667	
						RPD = 5.82	
26 Dieldrin							
1	7.272	7.269	0.003	387685172H	0.2000	0.1756	
2	7.259	7.255	0.004	383676524H	0.2000	0.1670	
						RPD = 5.02	
27 Endrin							
1	7.477	7.471	0.006	317567573H	0.2000	0.1736	
2	7.523	7.519	0.004	303175378H	0.2000	0.1686	
						RPD = 2.92	
30 4,4'-DDD							
1	7.596	7.592	0.004	309225588H	0.2000	0.1805	
2	7.602	7.598	0.004	309874703H	0.2000	0.1731	
						RPD = 4.16	
31 Endosulfan II							
1	7.675	7.671	0.004	287609354H	0.2000	0.1752	
2	7.785	7.781	0.004	287927420H	0.2000	0.1710	
						RPD = 2.44	
32 Endrin aldehyde							
1	7.792	7.788	0.004	246789318H	0.2000	0.1731	
2	7.947	7.944	0.003	252885826H	0.2000	0.1713	
						RPD = 1.04	
33 4,4'-DDT							
1	7.875	7.871	0.004	290943747H	0.2000	0.1908	
2	7.845	7.841	0.004	287058378H	0.2000	0.1768	
						RPD = 7.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.003	7.998	0.005	298620737H	0.2000	0.1808	
2	8.167	8.162	0.005	278130584H	0.2000	0.1731	
						RPD = 4.37	
35 Methoxychlor							
1	8.339	8.336	0.003	122911103H	0.2000	0.1821	
2	8.399	8.395	0.004	119024663H	0.2000	0.1718	
						RPD = 5.83	
* 36 Dibutylchlorendate ISTD							
1	8.414	8.410	0.004	123909865H	0.1000	0.1000	
2	8.227	8.223	0.004	136385995H	0.1000	0.1000	
37 Endrin ketone							
1	8.493	8.488	0.005	265536680H	0.2000	0.1824	
2	8.762	8.756	0.006	242521400H	0.2000	0.1771	
						RPD = 2.91	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.372	10.364	0.008	130388563H	0.2000	0.1697	
2	10.415	10.409	0.006	123344348H	0.2000	0.1644	
						RPD = 3.17	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL6_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

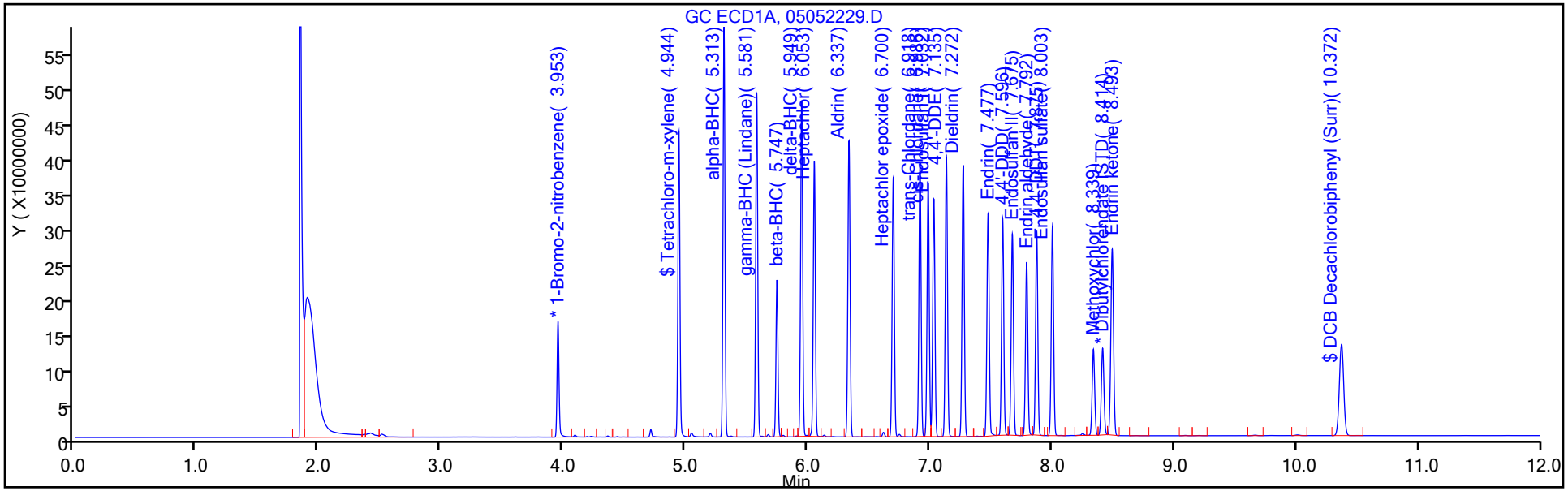
Report Date: 06-May-2022 06:33:10 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

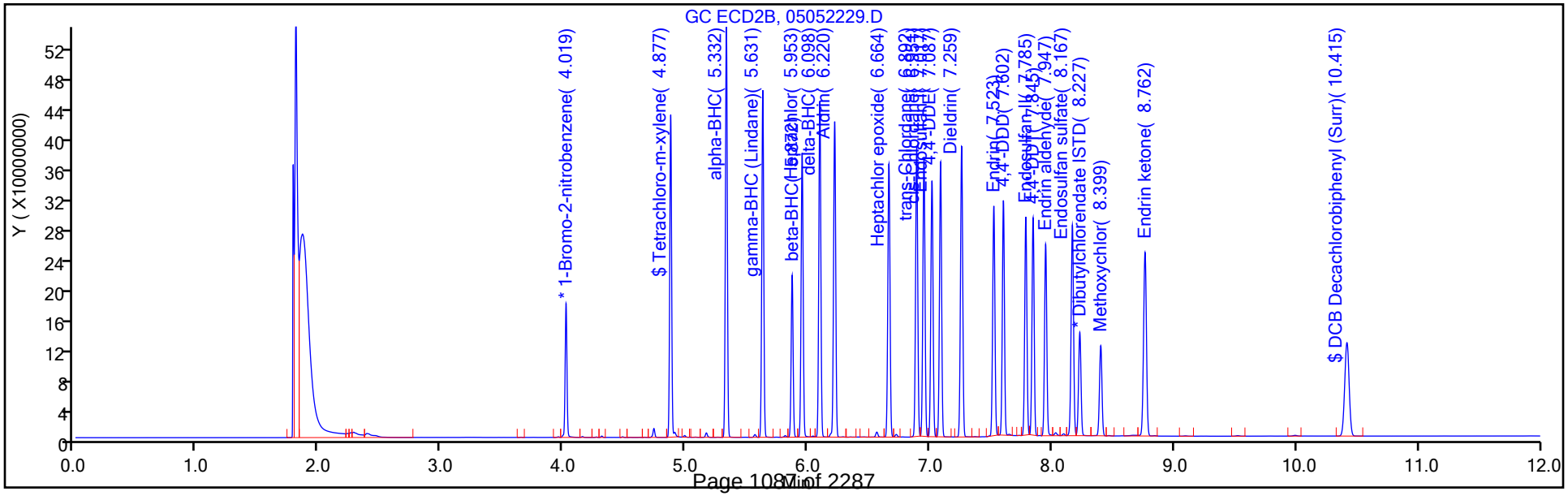
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Injection Date:	05-May-2022 17:02:49	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	IC			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Calibration / Tetrachloro-m-xylene

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

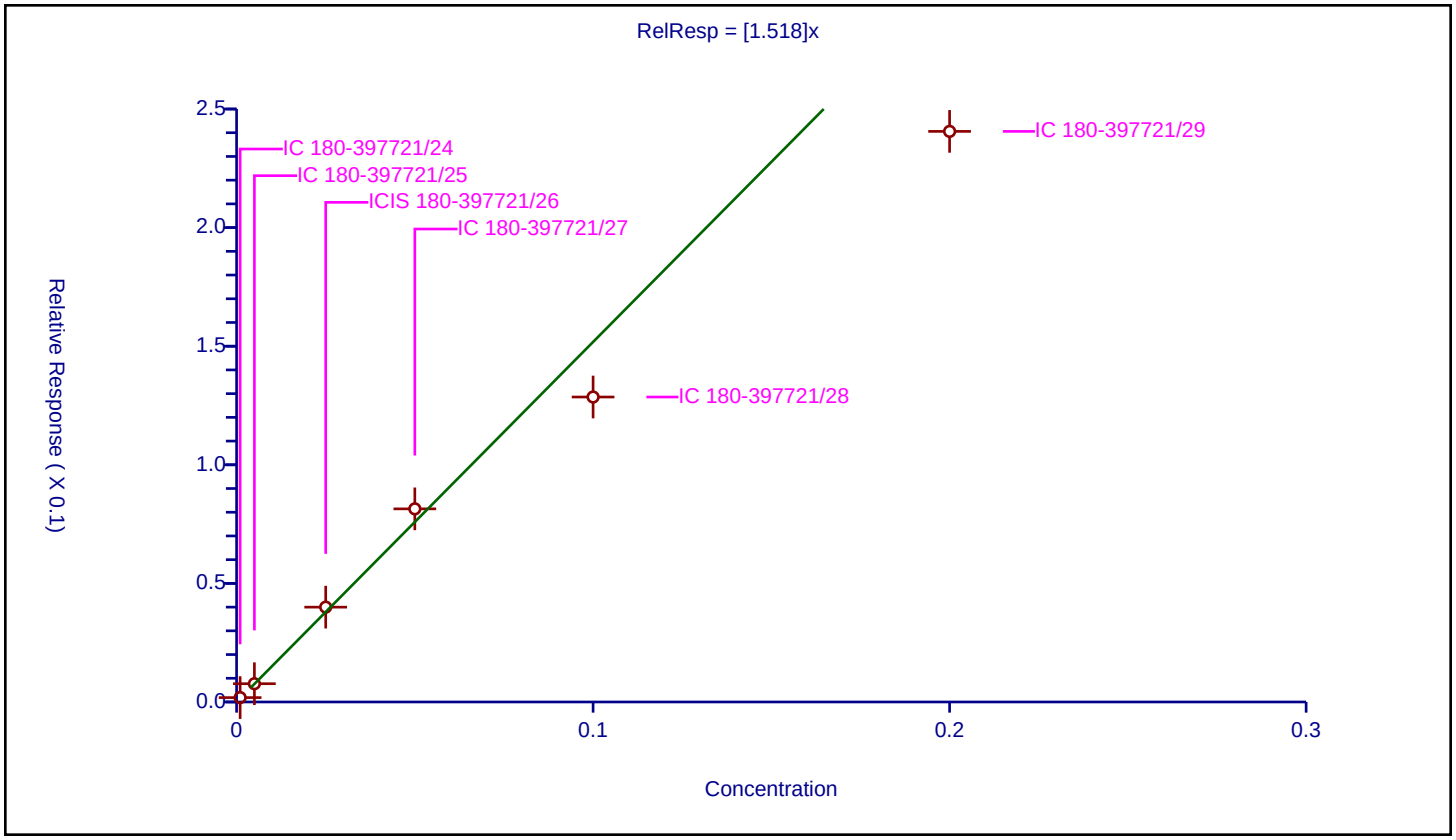
Curve Coefficients

Intercept:	0
Slope:	1.518

Error Coefficients

Standard Error:	223000000
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 180-397721/24	0.001	0.00185	0.1	156607515.0	1.850495	Y
2	IC 180-397721/25	0.005	0.007702	0.1	163822285.0	1.54037	Y
3	ICIS 180-397721/26	0.025	0.039985	0.1	149027020.0	1.59941	Y
4	IC 180-397721/27	0.05	0.081429	0.1	147602547.0	1.628574	Y
5	IC 180-397721/28	0.1	0.128579	0.1	173471150.0	1.285794	Y
6	IC 180-397721/29	0.2	0.240569	0.1	176917979.0	1.202847	Y



Calibration / alpha-BHC

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

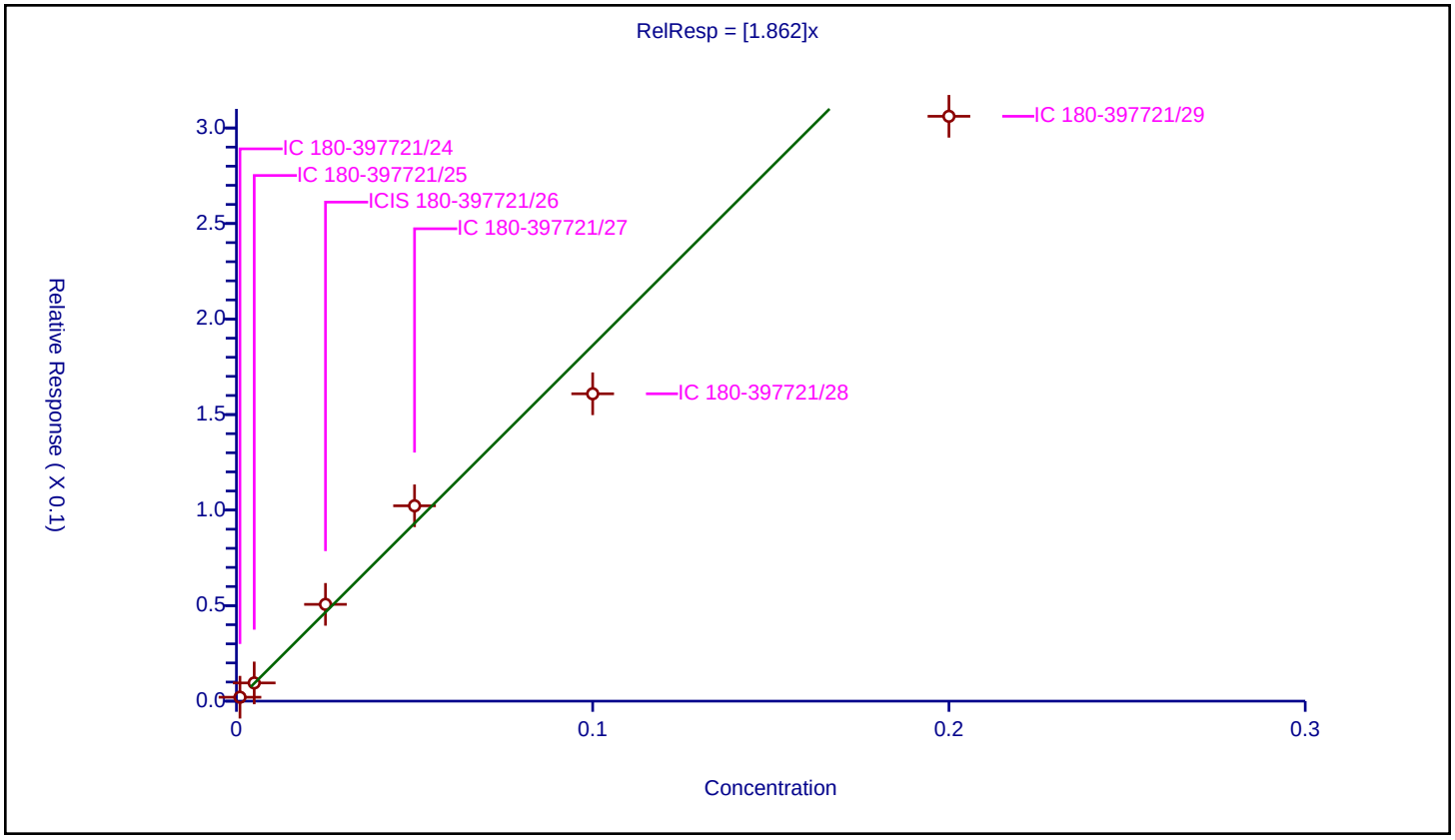
Curve Coefficients

Intercept:	0
Slope:	1.862

Error Coefficients

Standard Error:	283000000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.002055	0.1	156607515.0	2.054522	Y
2	IC 180-397721/25	0.005	0.009533	0.1	163822285.0	1.906673	Y
3	ICIS 180-397721/26	0.025	0.05065	0.1	149027020.0	2.026	Y
4	IC 180-397721/27	0.05	0.102255	0.1	147602547.0	2.045108	Y
5	IC 180-397721/28	0.1	0.160881	0.1	173471150.0	1.60881	Y
6	IC 180-397721/29	0.2	0.306131	0.1	176917979.0	1.530655	Y



Calibration / gamma-BHC (Lindane)

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

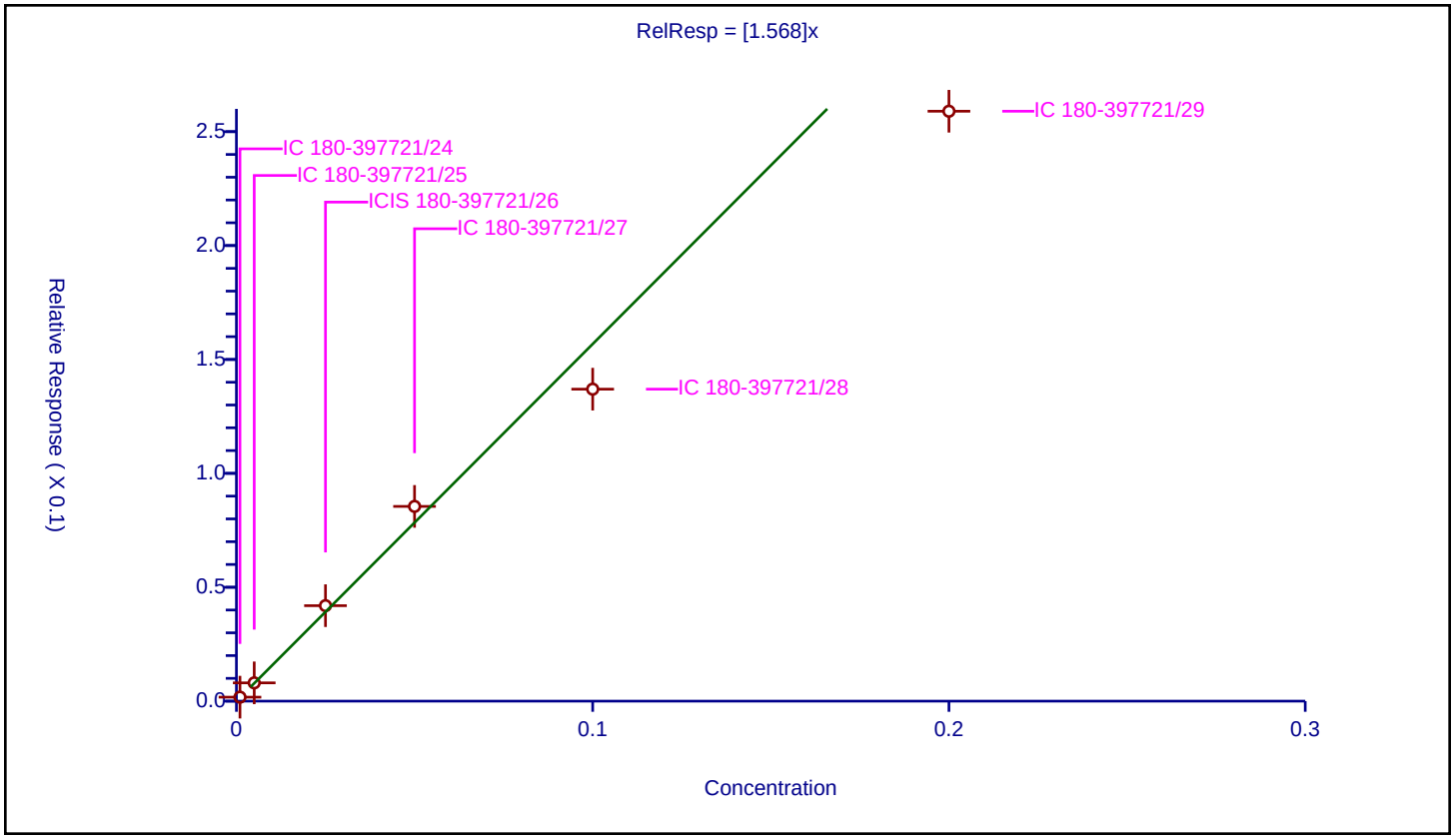
Curve Coefficients

Intercept:	0
Slope:	1.568

Error Coefficients

Standard Error:	239000000
Relative Standard Error:	12.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00175	0.1	156607515.0	1.750018	Y
2	IC 180-397721/25	0.005	0.00803	0.1	163822285.0	1.605947	Y
3	ICIS 180-397721/26	0.025	0.041917	0.1	149027020.0	1.676678	Y
4	IC 180-397721/27	0.05	0.085492	0.1	147602547.0	1.709837	Y
5	IC 180-397721/28	0.1	0.136962	0.1	173471150.0	1.369619	Y
6	IC 180-397721/29	0.2	0.25897	0.1	176917979.0	1.294849	Y



Calibration / beta-BHC

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

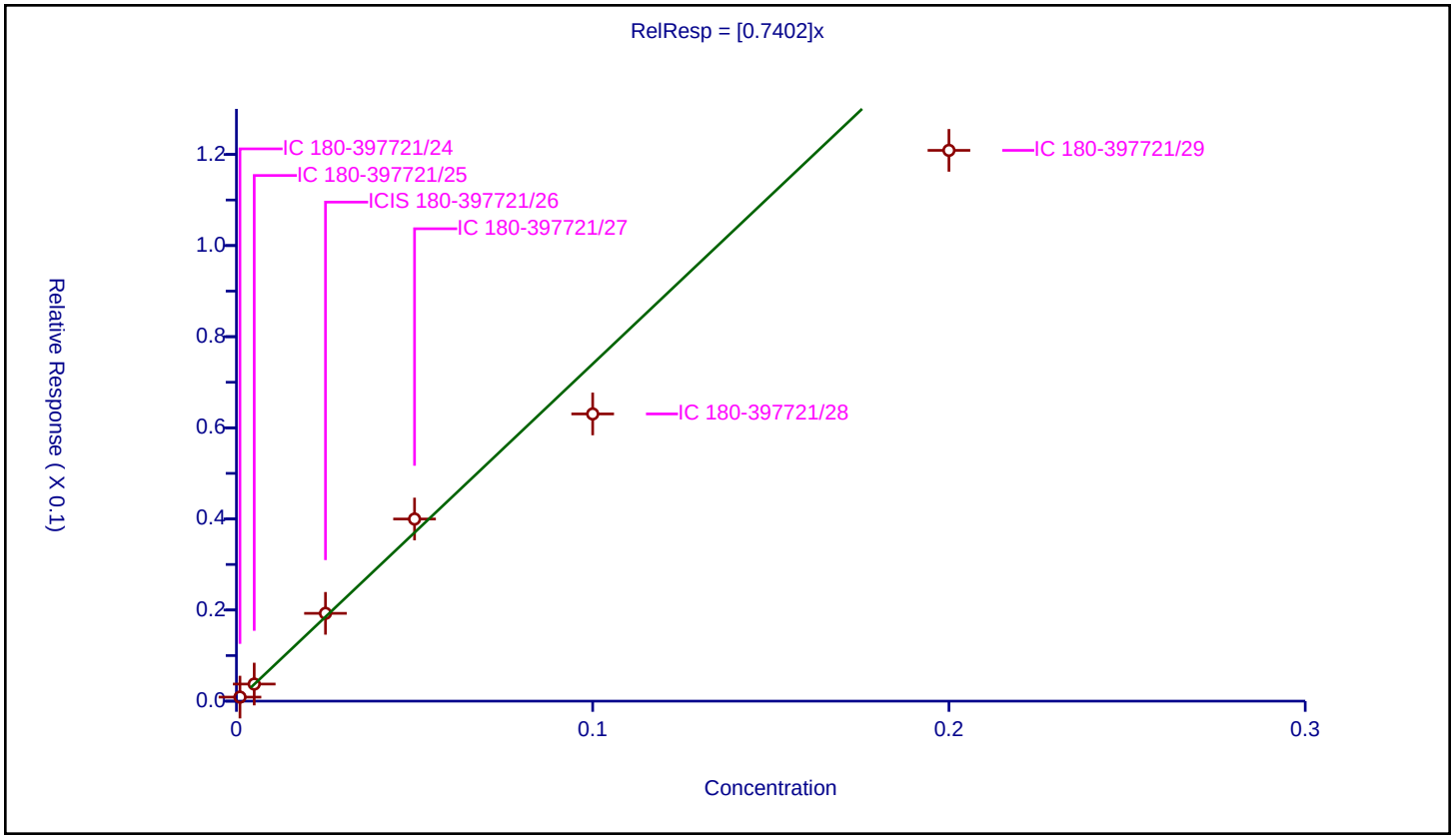
Curve Coefficients

Intercept:	0
Slope:	0.7402

Error Coefficients

Standard Error:	111000000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000886	0.1	156607515.0	0.886055	Y
2	IC 180-397721/25	0.005	0.003749	0.1	163822285.0	0.749807	Y
3	ICIS 180-397721/26	0.025	0.019272	0.1	149027020.0	0.770873	Y
4	IC 180-397721/27	0.05	0.039977	0.1	147602547.0	0.799531	Y
5	IC 180-397721/28	0.1	0.063042	0.1	173471150.0	0.630415	Y
6	IC 180-397721/29	0.2	0.120896	0.1	176917979.0	0.604478	Y



Calibration / Heptachlor

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

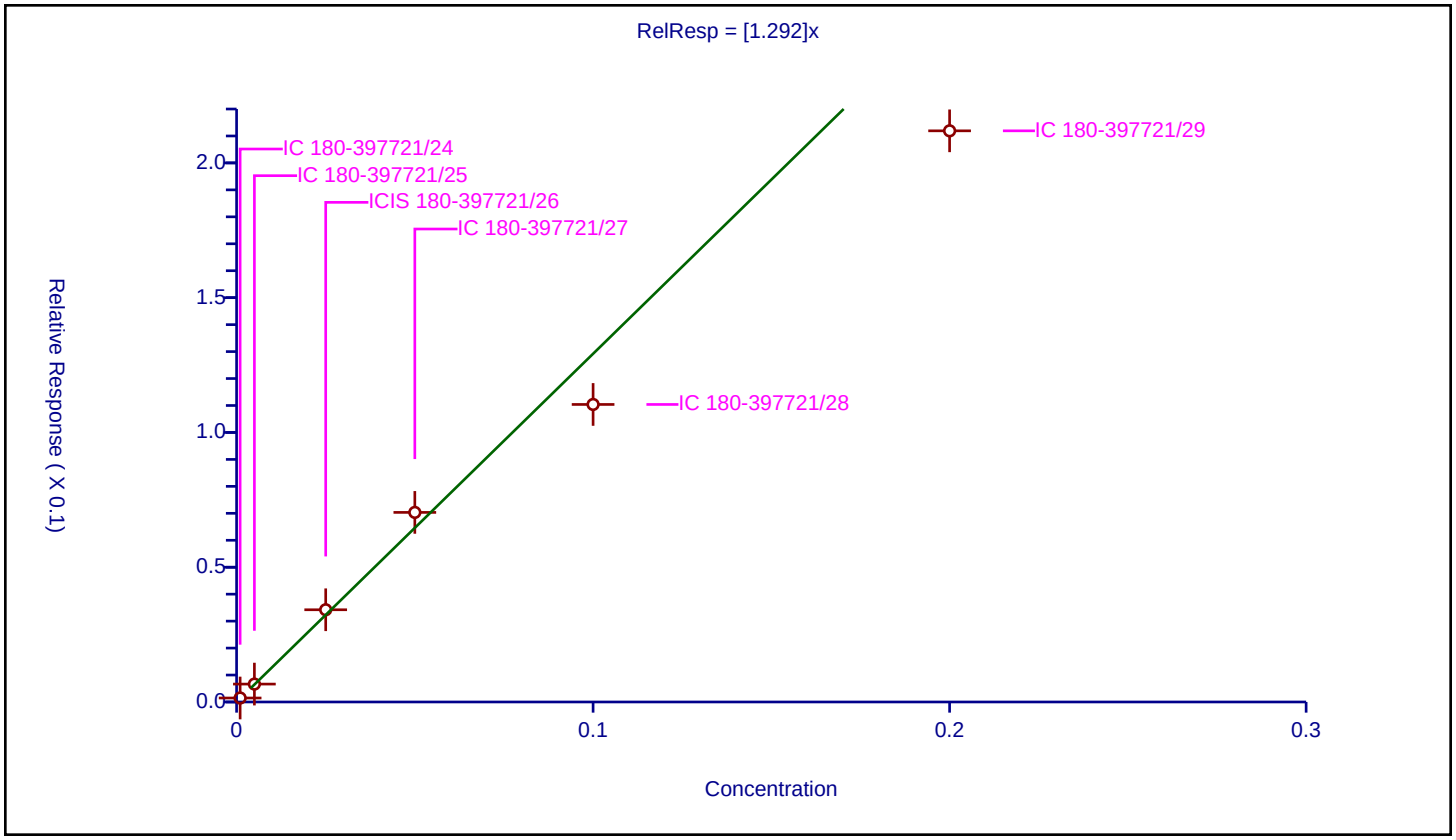
Curve Coefficients

Intercept:	0
Slope:	1.292

Error Coefficients

Standard Error:	195000000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001483	0.1	156607515.0	1.483212	Y
2	IC 180-397721/25	0.005	0.006648	0.1	163822285.0	1.329652	Y
3	ICIS 180-397721/26	0.025	0.034217	0.1	149027020.0	1.368697	Y
4	IC 180-397721/27	0.05	0.070335	0.1	147602547.0	1.406694	Y
5	IC 180-397721/28	0.1	0.110389	0.1	173471150.0	1.103887	Y
6	IC 180-397721/29	0.2	0.211906	0.1	176917979.0	1.059531	Y



Calibration / delta-BHC

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

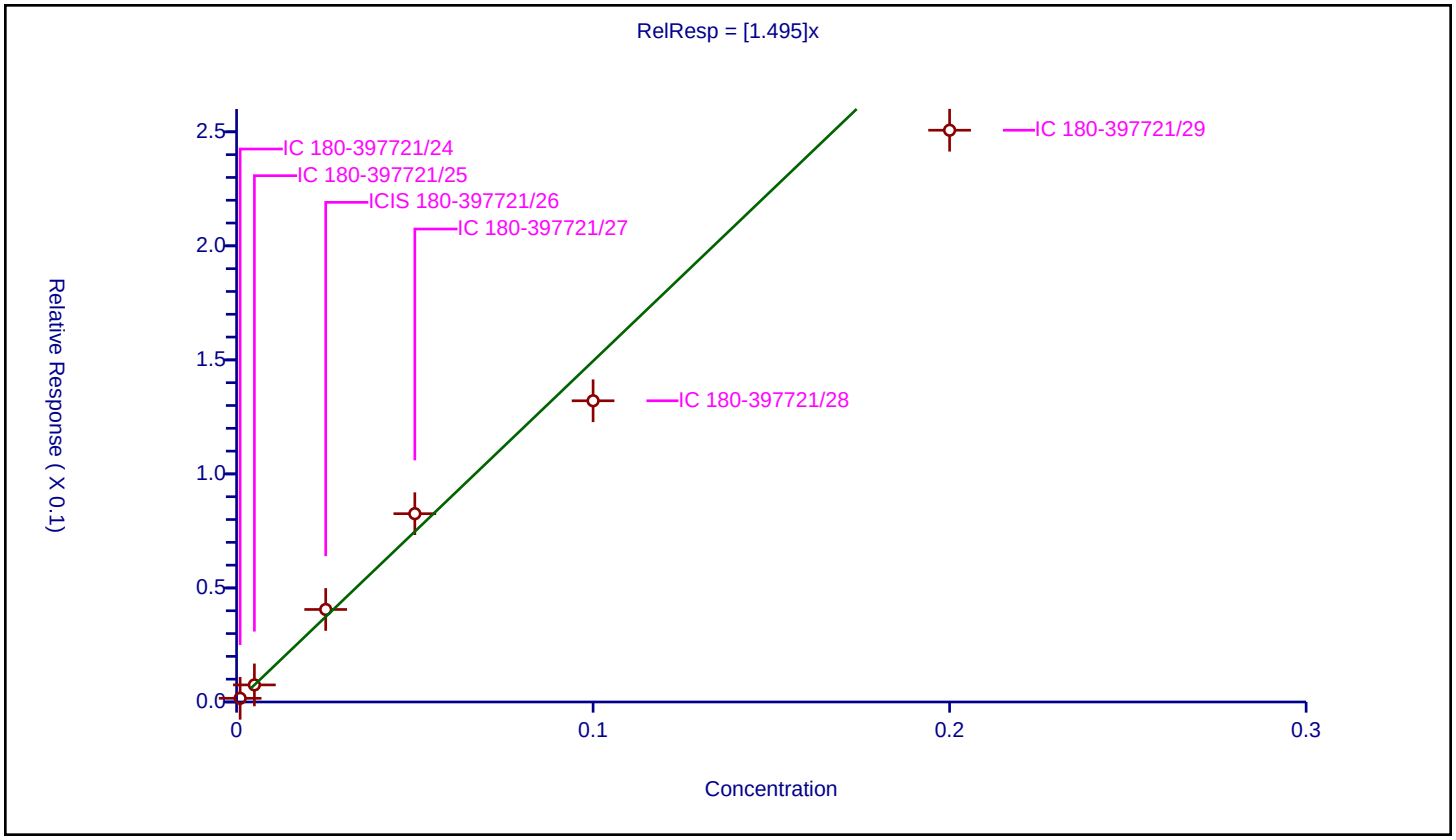
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Standard Error:	231000000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001624	0.1	156607515.0	1.623519	Y
2	IC 180-397721/25	0.005	0.007486	0.1	163822285.0	1.497119	Y
3	ICIS 180-397721/26	0.025	0.040567	0.1	149027020.0	1.62268	Y
4	IC 180-397721/27	0.05	0.08257	0.1	147602547.0	1.651401	Y
5	IC 180-397721/28	0.1	0.132077	0.1	173471150.0	1.320769	Y
6	IC 180-397721/29	0.2	0.250706	0.1	176917979.0	1.25353	Y



Calibration / Aldrin

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

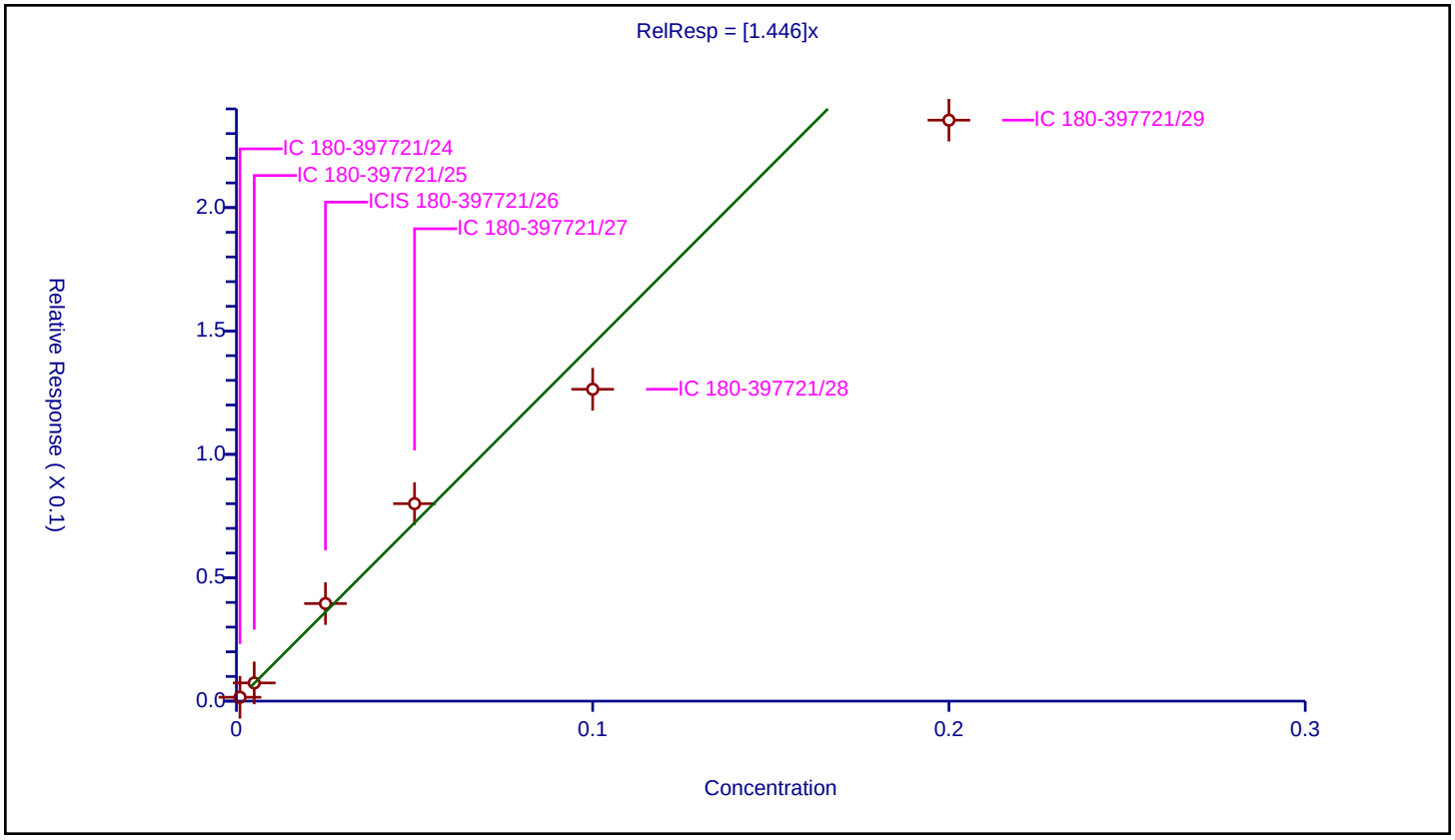
Curve Coefficients

Intercept:	0
Slope:	1.446

Error Coefficients

Standard Error:	219000000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001575	0.1	156607515.0	1.57488	Y
2	IC 180-397721/25	0.005	0.007379	0.1	163822285.0	1.475753	Y
3	ICIS 180-397721/26	0.025	0.039548	0.1	149027020.0	1.581929	Y
4	IC 180-397721/27	0.05	0.08002	0.1	147602547.0	1.600404	Y
5	IC 180-397721/28	0.1	0.126386	0.1	173471150.0	1.263864	Y
6	IC 180-397721/29	0.2	0.235438	0.1	176917979.0	1.177192	Y



Calibration / Heptachlor epoxide

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

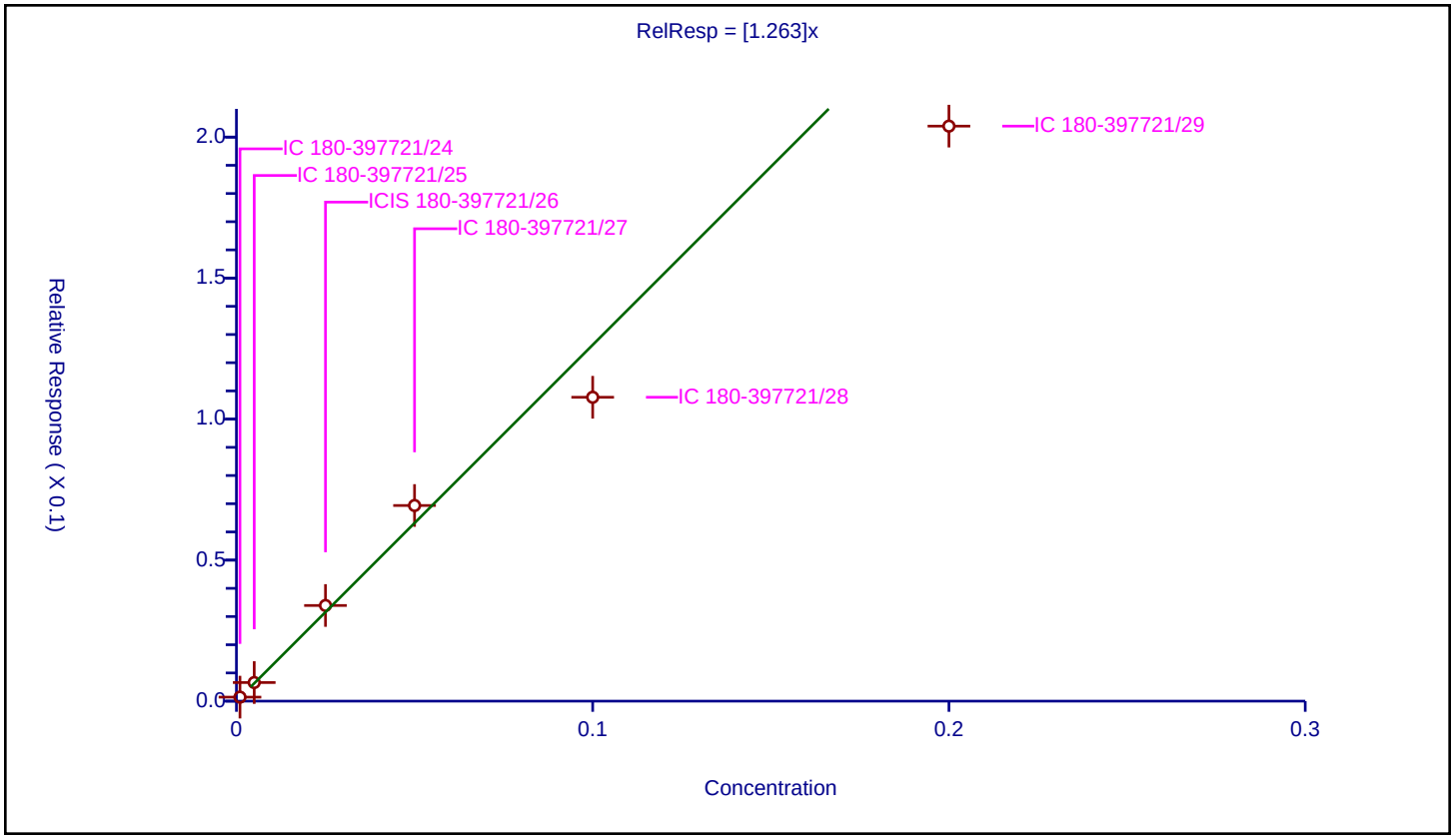
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Standard Error:	189000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001418	0.1	156607515.0	1.417837	Y
2	IC 180-397721/25	0.005	0.0066	0.1	163822285.0	1.320067	Y
3	ICIS 180-397721/26	0.025	0.033919	0.1	149027020.0	1.356761	Y
4	IC 180-397721/27	0.05	0.069368	0.1	147602547.0	1.387362	Y
5	IC 180-397721/28	0.1	0.107747	0.1	173471150.0	1.077472	Y
6	IC 180-397721/29	0.2	0.203886	0.1	176917979.0	1.019432	Y



Calibration / trans-Chlordane

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

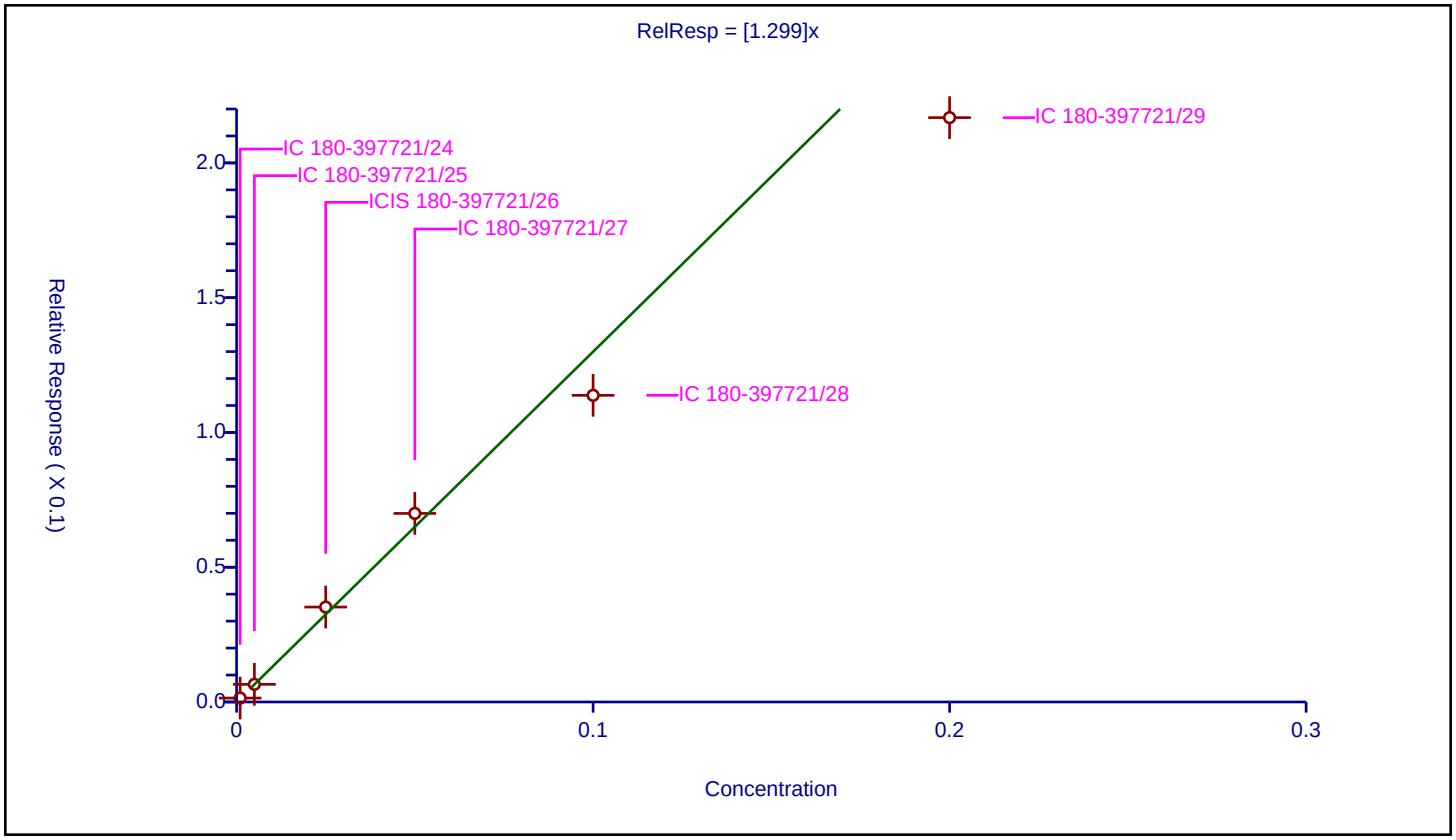
Curve Coefficients

Intercept:	0
Slope:	1.299

Error Coefficients

Standard Error:	200000000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001458	0.1	156607515.0	1.458389	Y
2	IC 180-397721/25	0.005	0.006543	0.1	163822285.0	1.308659	Y
3	ICIS 180-397721/26	0.025	0.035214	0.1	149027020.0	1.408563	Y
4	IC 180-397721/27	0.05	0.069962	0.1	147602547.0	1.399245	Y
5	IC 180-397721/28	0.1	0.113774	0.1	173471150.0	1.137737	Y
6	IC 180-397721/29	0.2	0.216805	0.1	176917979.0	1.084024	Y



Calibration / cis-Chlordane

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

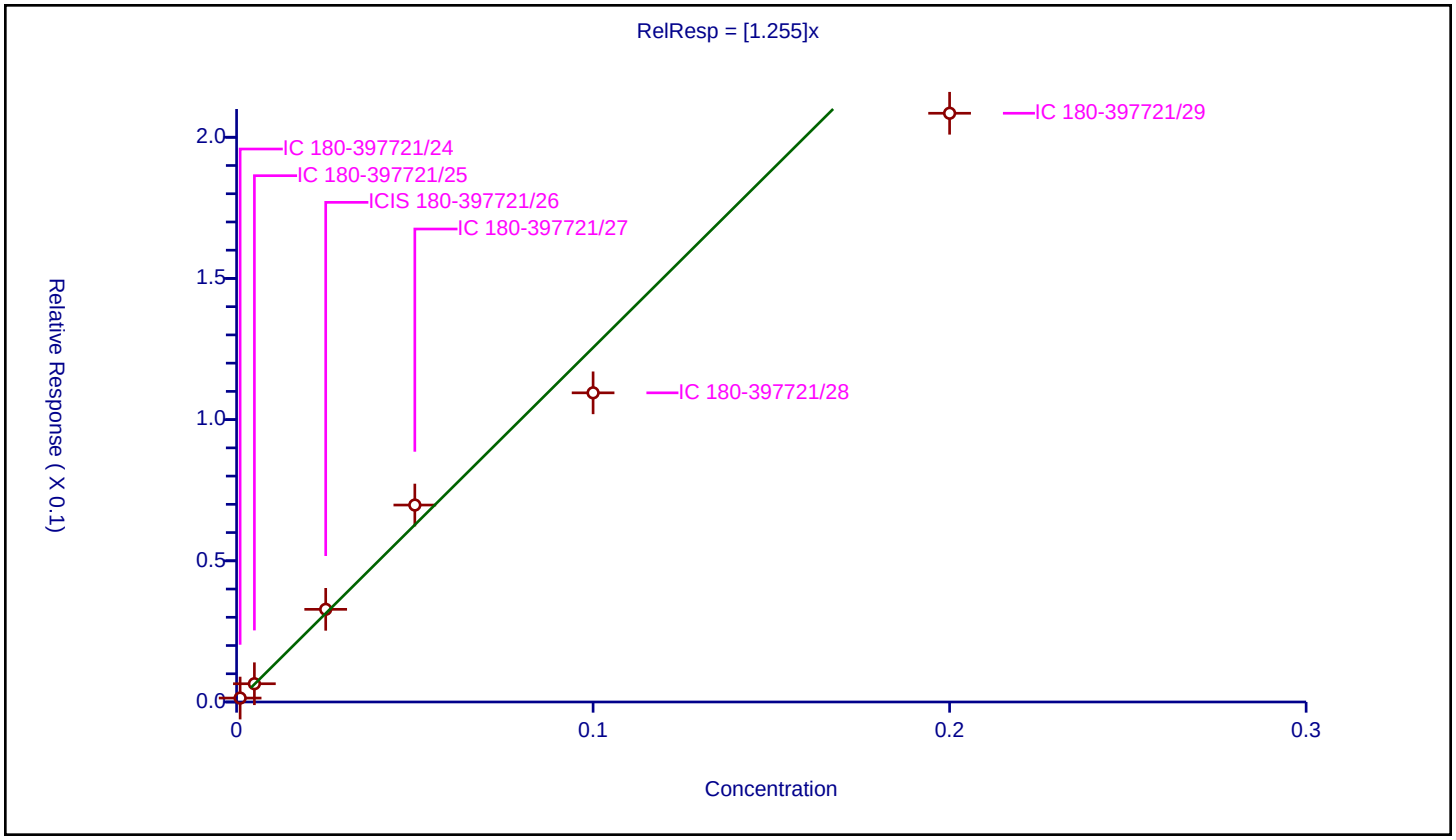
Curve Coefficients

Intercept:	0
Slope:	1.255

Error Coefficients

Standard Error:	192000000
Relative Standard Error:	12.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001393	0.1	156607515.0	1.392698	Y
2	IC 180-397721/25	0.005	0.006462	0.1	163822285.0	1.292421	Y
3	ICIS 180-397721/26	0.025	0.03281	0.1	149027020.0	1.312381	Y
4	IC 180-397721/27	0.05	0.069749	0.1	147602547.0	1.394983	Y
5	IC 180-397721/28	0.1	0.109484	0.1	173471150.0	1.094842	Y
6	IC 180-397721/29	0.2	0.208501	0.1	176917979.0	1.042507	Y



Calibration / Endosulfan I

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

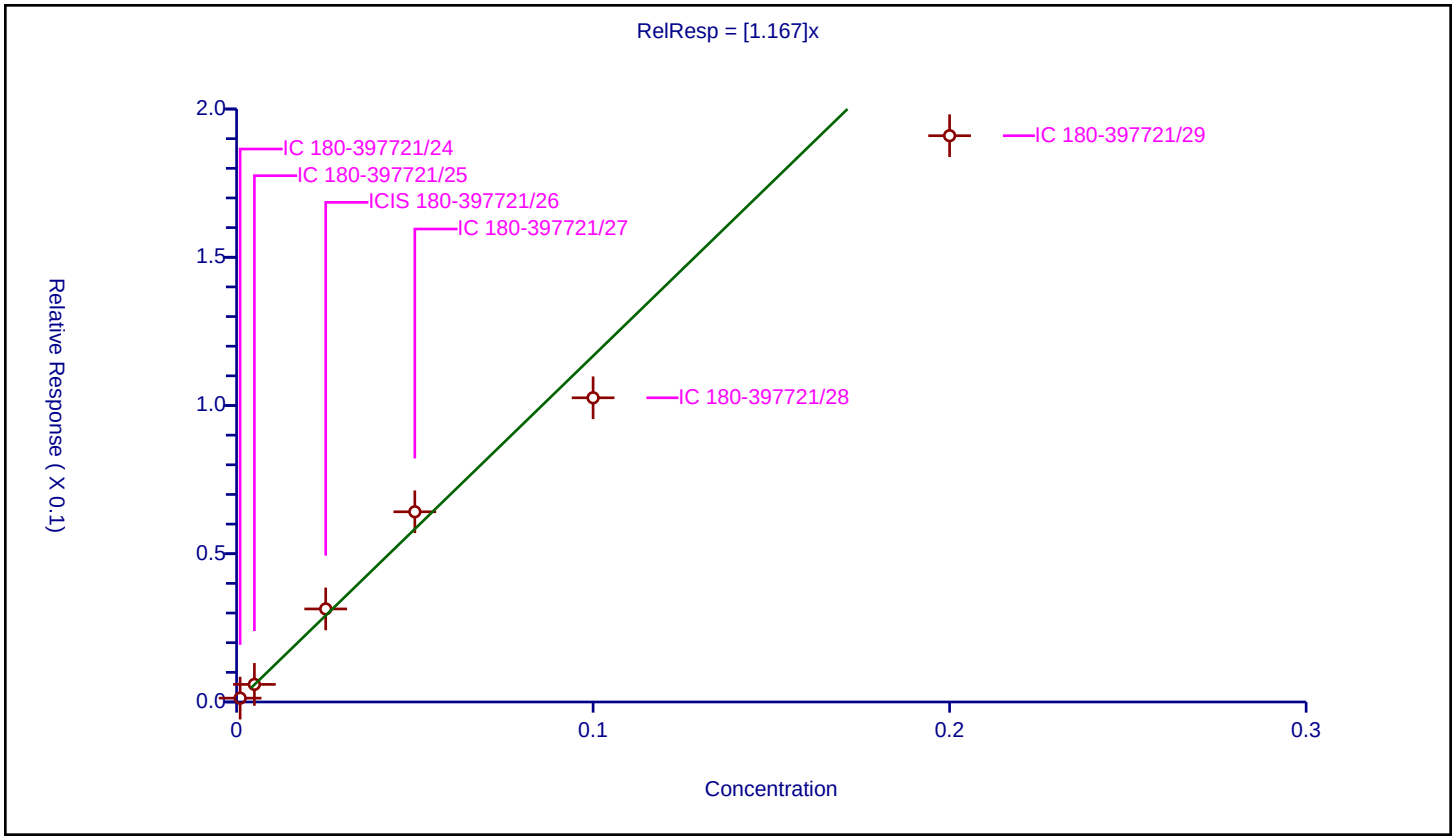
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Standard Error:	177000000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001298	0.1	156607515.0	1.297828	Y
2	IC 180-397721/25	0.005	0.005929	0.1	163822285.0	1.185762	Y
3	ICIS 180-397721/26	0.025	0.031382	0.1	149027020.0	1.255275	Y
4	IC 180-397721/27	0.05	0.064156	0.1	147602547.0	1.283111	Y
5	IC 180-397721/28	0.1	0.102597	0.1	173471150.0	1.025972	Y
6	IC 180-397721/29	0.2	0.190996	0.1	176917979.0	0.954982	Y



Calibration / 4,4'-DDE

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

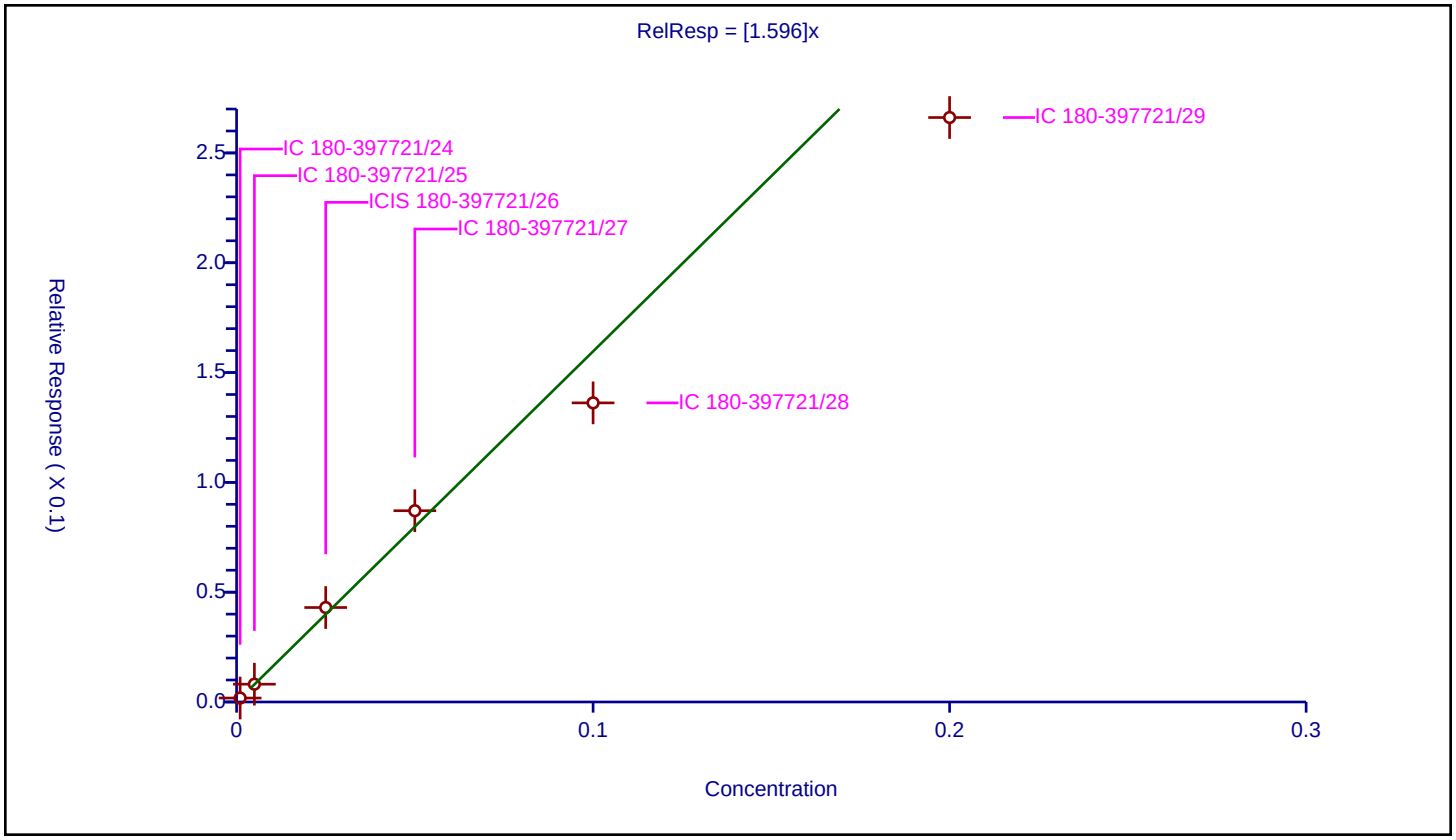
Curve Coefficients

Intercept:	0
Slope:	1.596

Error Coefficients

Standard Error:	189000000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001803	0.1	120808878.0	1.803276	Y
2	IC 180-397721/25	0.005	0.008103	0.1	124663324.0	1.620604	Y
3	ICIS 180-397721/26	0.025	0.04301	0.1	112692562.0	1.720402	Y
4	IC 180-397721/27	0.05	0.087086	0.1	114055710.0	1.741725	Y
5	IC 180-397721/28	0.1	0.136187	0.1	135972501.0	1.36187	Y
6	IC 180-397721/29	0.2	0.266132	0.1	136385995.0	1.330659	Y



Calibration / Dieldrin

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

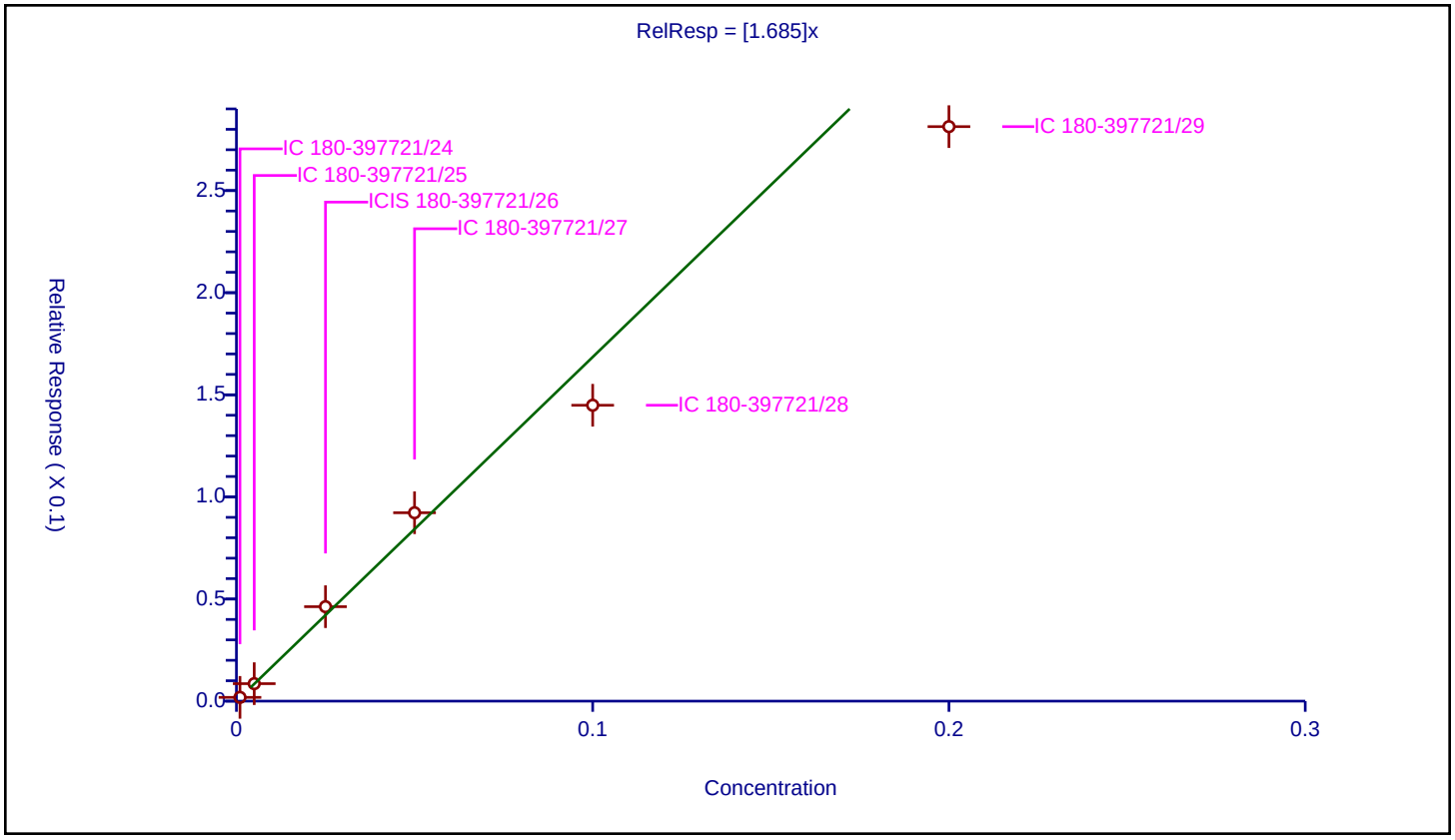
Curve Coefficients

Intercept:	0
Slope:	1.685

Error Coefficients

Standard Error:	200000000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001847	0.1	120808878.0	1.846762	Y
2	IC 180-397721/25	0.005	0.008555	0.1	124663324.0	1.711077	Y
3	ICIS 180-397721/26	0.025	0.046257	0.1	112692562.0	1.850278	Y
4	IC 180-397721/27	0.05	0.092249	0.1	114055710.0	1.844984	Y
5	IC 180-397721/28	0.1	0.144891	0.1	135972501.0	1.448914	Y
6	IC 180-397721/29	0.2	0.281317	0.1	136385995.0	1.406583	Y



Calibration / Endrin

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

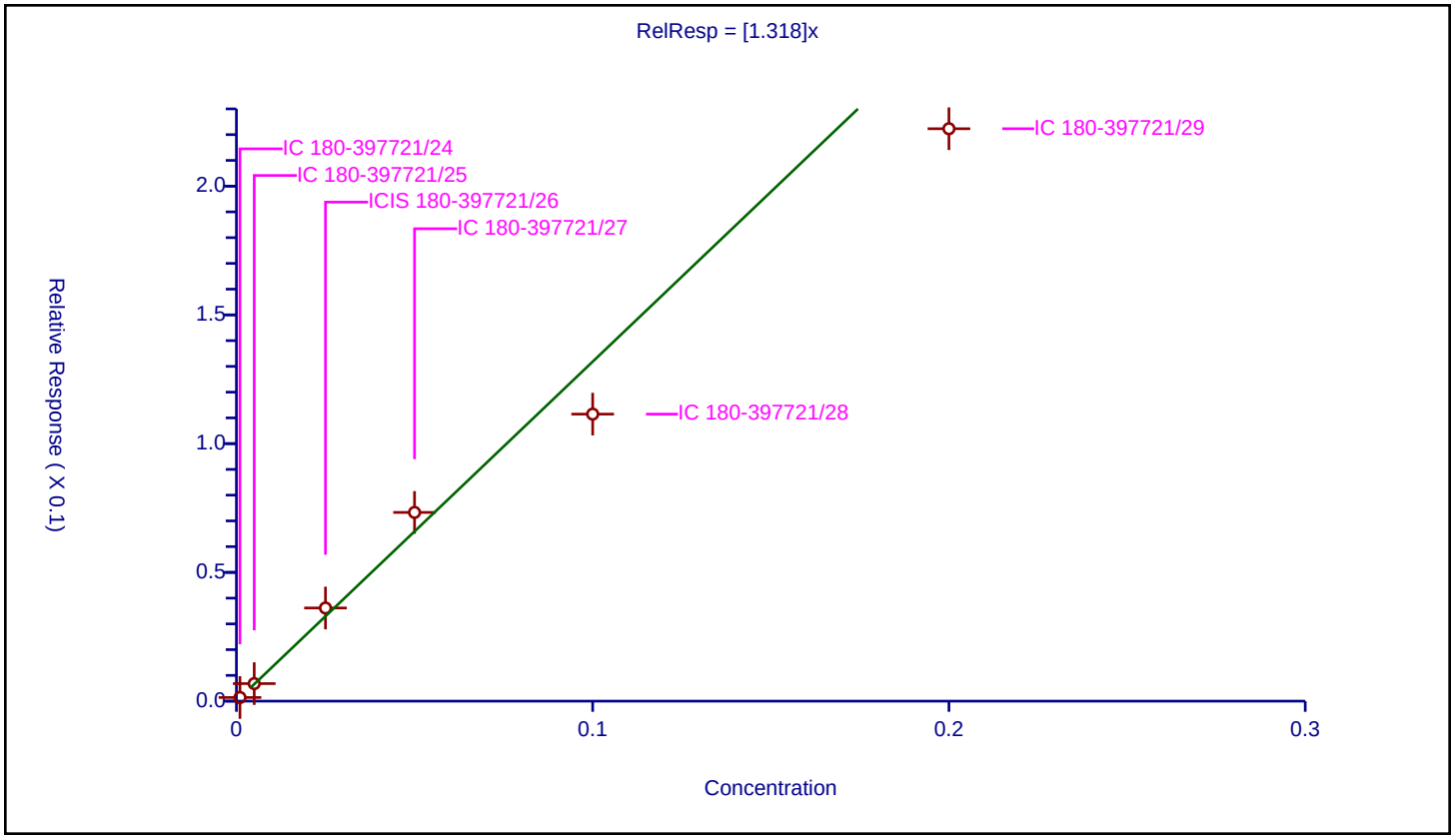
Curve Coefficients

Intercept:	0
Slope:	1.318

Error Coefficients

Standard Error:	157000000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00141	0.1	120808878.0	1.410157	Y
2	IC 180-397721/25	0.005	0.006807	0.1	124663324.0	1.361385	Y
3	ICIS 180-397721/26	0.025	0.036176	0.1	112692562.0	1.447033	Y
4	IC 180-397721/27	0.05	0.073288	0.1	114055710.0	1.465761	Y
5	IC 180-397721/28	0.1	0.111467	0.1	135972501.0	1.114675	Y
6	IC 180-397721/29	0.2	0.222292	0.1	136385995.0	1.111461	Y



Calibration / 4,4'-DDD

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

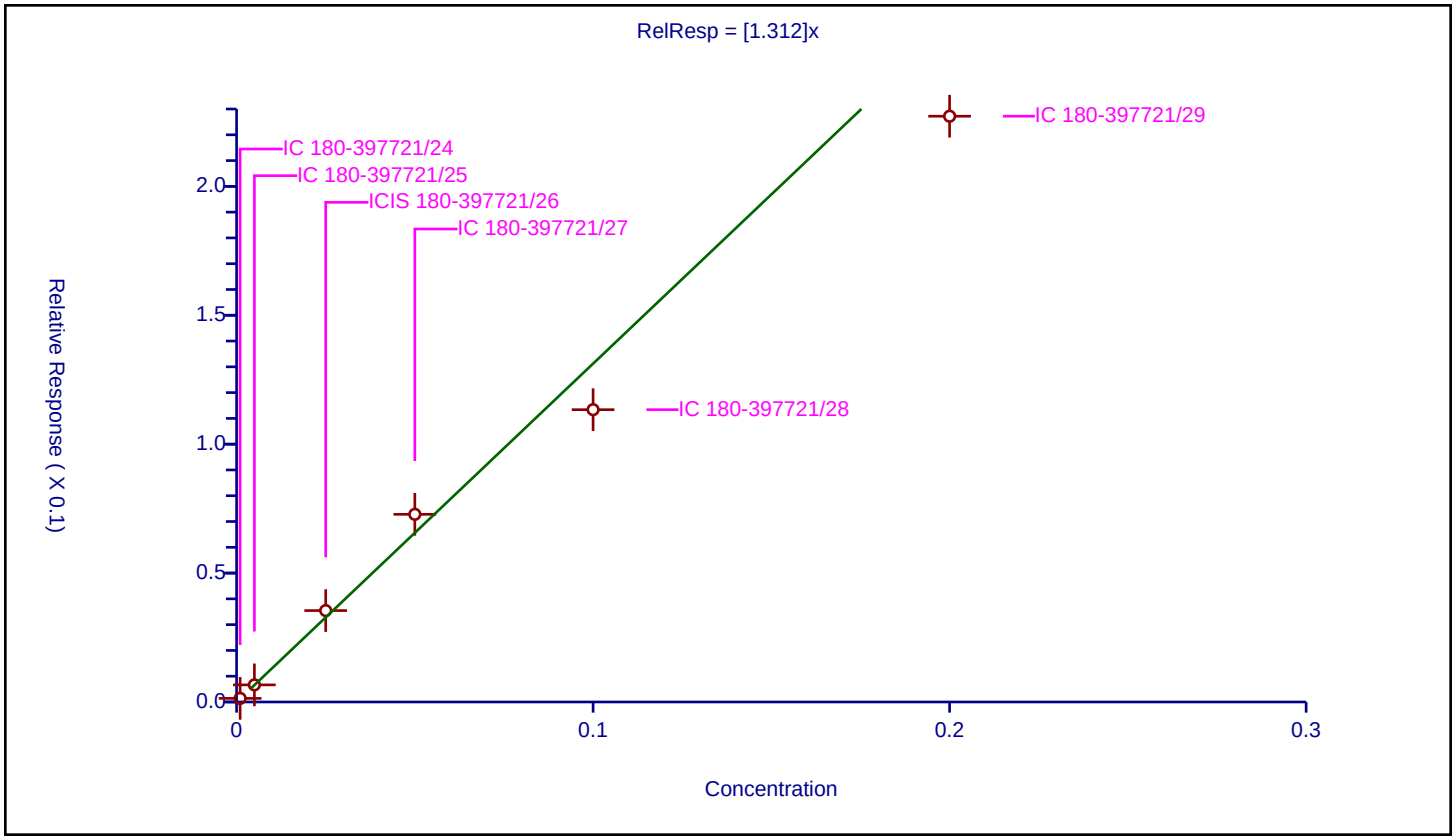
Curve Coefficients

Intercept:	0
Slope:	1.312

Error Coefficients

Standard Error:	160000000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001403	0.1	120808878.0	1.403086	Y
2	IC 180-397721/25	0.005	0.006637	0.1	124663324.0	1.327336	Y
3	ICIS 180-397721/26	0.025	0.035454	0.1	112692562.0	1.418178	Y
4	IC 180-397721/27	0.05	0.072793	0.1	114055710.0	1.455853	Y
5	IC 180-397721/28	0.1	0.113379	0.1	135972501.0	1.13379	Y
6	IC 180-397721/29	0.2	0.227204	0.1	136385995.0	1.136021	Y



Calibration / Endosulfan II

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

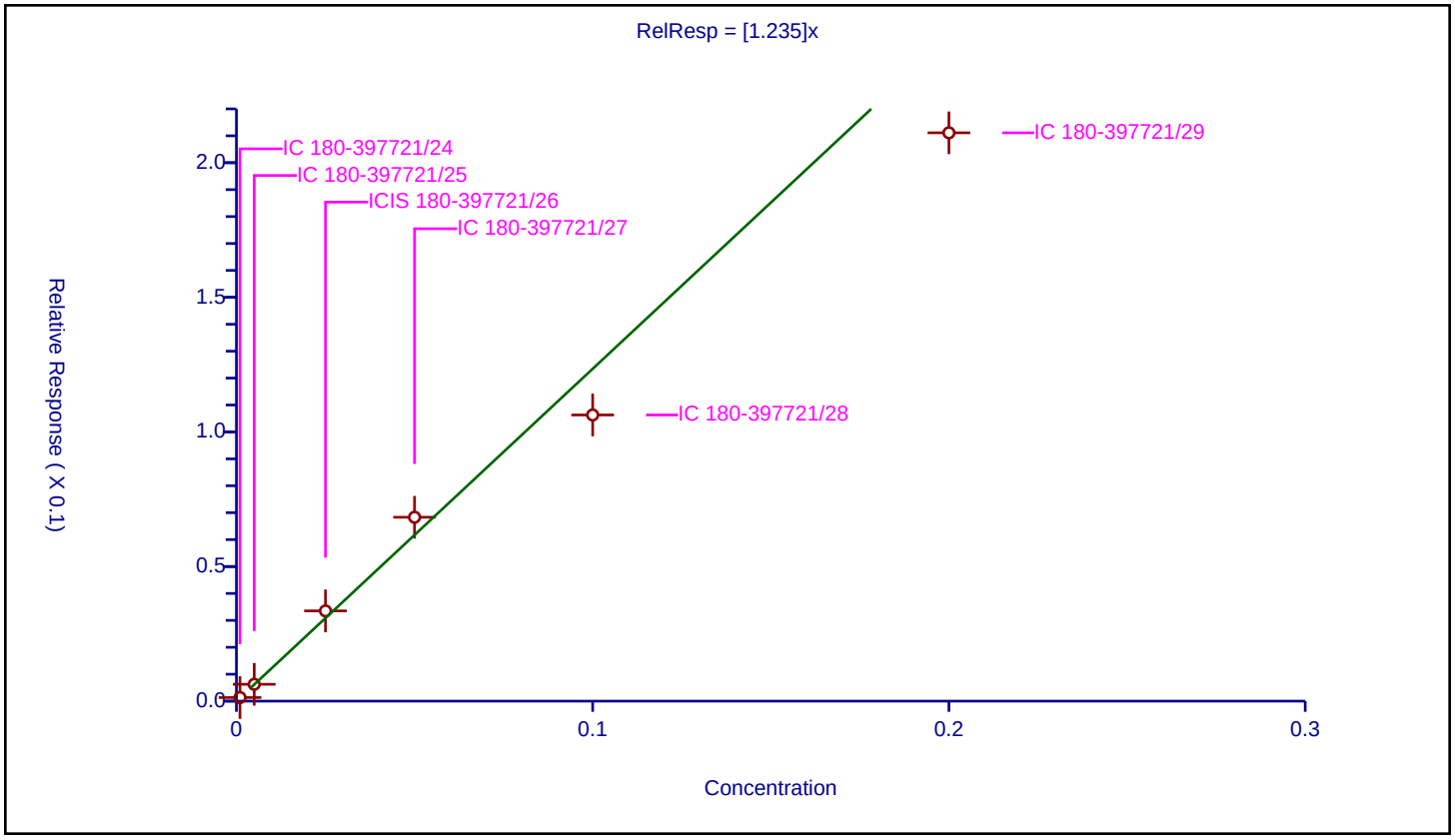
Curve Coefficients

Intercept:	0
Slope:	1.235

Error Coefficients

Standard Error:	149000000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00133	0.1	120808878.0	1.330439	Y
2	IC 180-397721/25	0.005	0.006255	0.1	124663324.0	1.250969	Y
3	ICIS 180-397721/26	0.025	0.033525	0.1	112692562.0	1.340993	Y
4	IC 180-397721/27	0.05	0.068308	0.1	114055710.0	1.366161	Y
5	IC 180-397721/28	0.1	0.106303	0.1	135972501.0	1.063032	Y
6	IC 180-397721/29	0.2	0.211112	0.1	136385995.0	1.055561	Y



Calibration / 4,4'-DDT

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

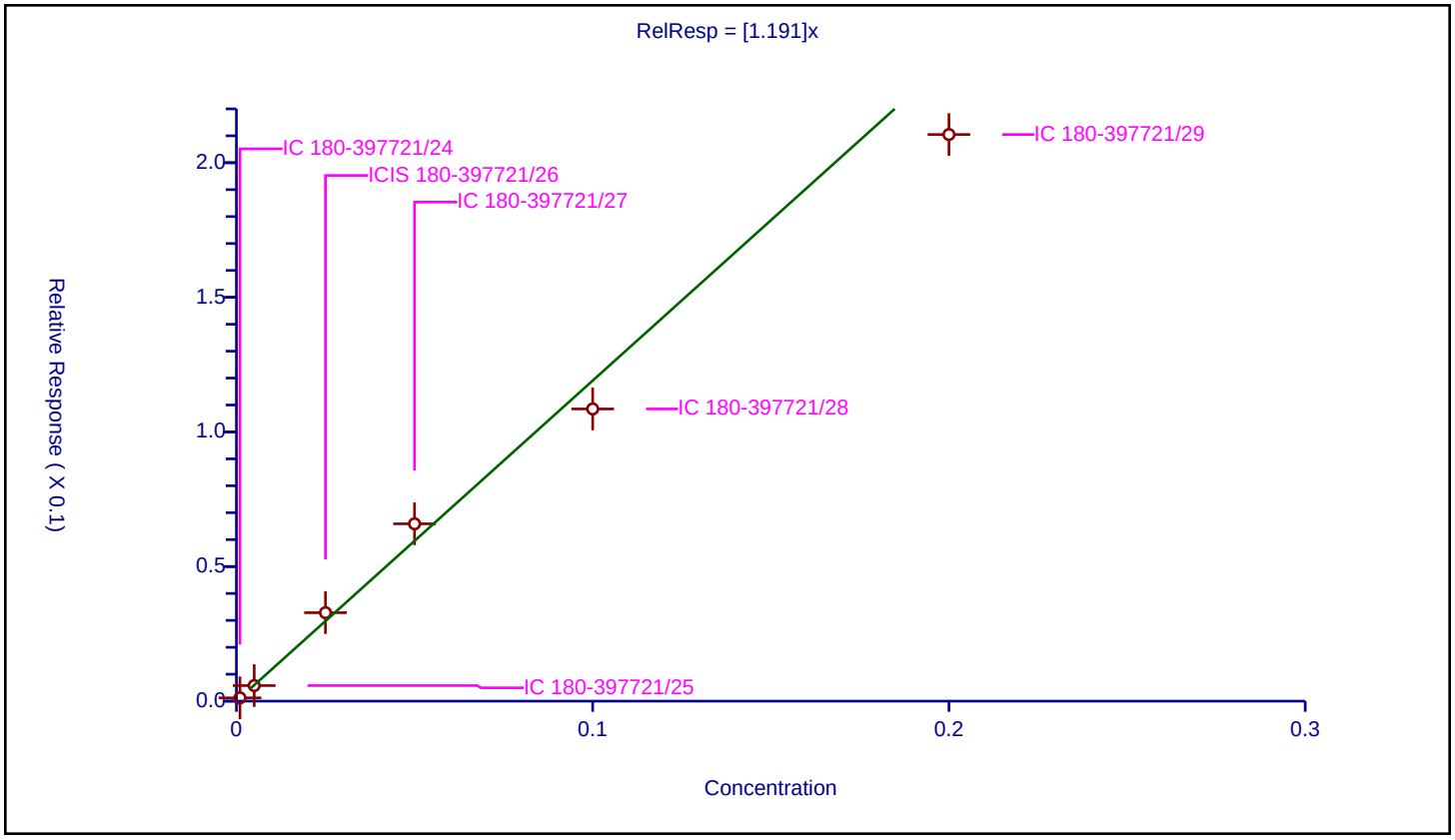
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Standard Error:	149000000
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 180-397721/24	0.001	0.001218	0.1	120808878.0	1.217672	Y
2	IC 180-397721/25	0.005	0.005782	0.1	124663324.0	1.156493	Y
3	ICIS 180-397721/26	0.025	0.03286	0.1	112692562.0	1.314397	Y
4	IC 180-397721/27	0.05	0.065875	0.1	114055710.0	1.317491	Y
5	IC 180-397721/28	0.1	0.108536	0.1	135972501.0	1.085358	Y
6	IC 180-397721/29	0.2	0.210475	0.1	136385995.0	1.052375	Y



Calibration / Endrin aldehyde

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

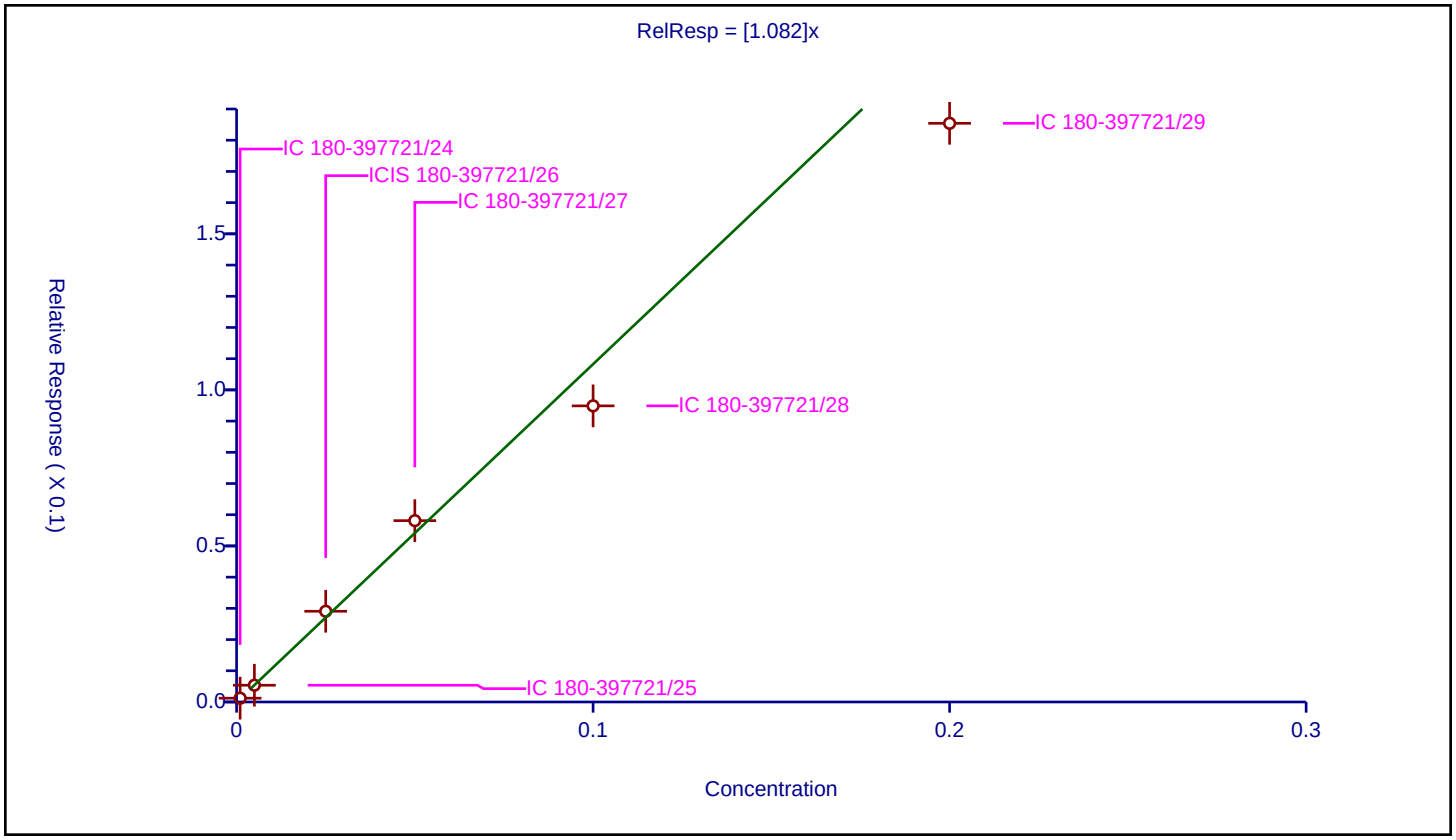
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	131000000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00122	0.1	120808878.0	1.21974	Y
2	IC 180-397721/25	0.005	0.005372	0.1	124663324.0	1.074341	Y
3	ICIS 180-397721/26	0.025	0.029071	0.1	112692562.0	1.16286	Y
4	IC 180-397721/27	0.05	0.058103	0.1	114055710.0	1.162065	Y
5	IC 180-397721/28	0.1	0.094882	0.1	135972501.0	0.948821	Y
6	IC 180-397721/29	0.2	0.185419	0.1	136385995.0	0.927096	Y



Calibration / Endosulfan sulfate

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

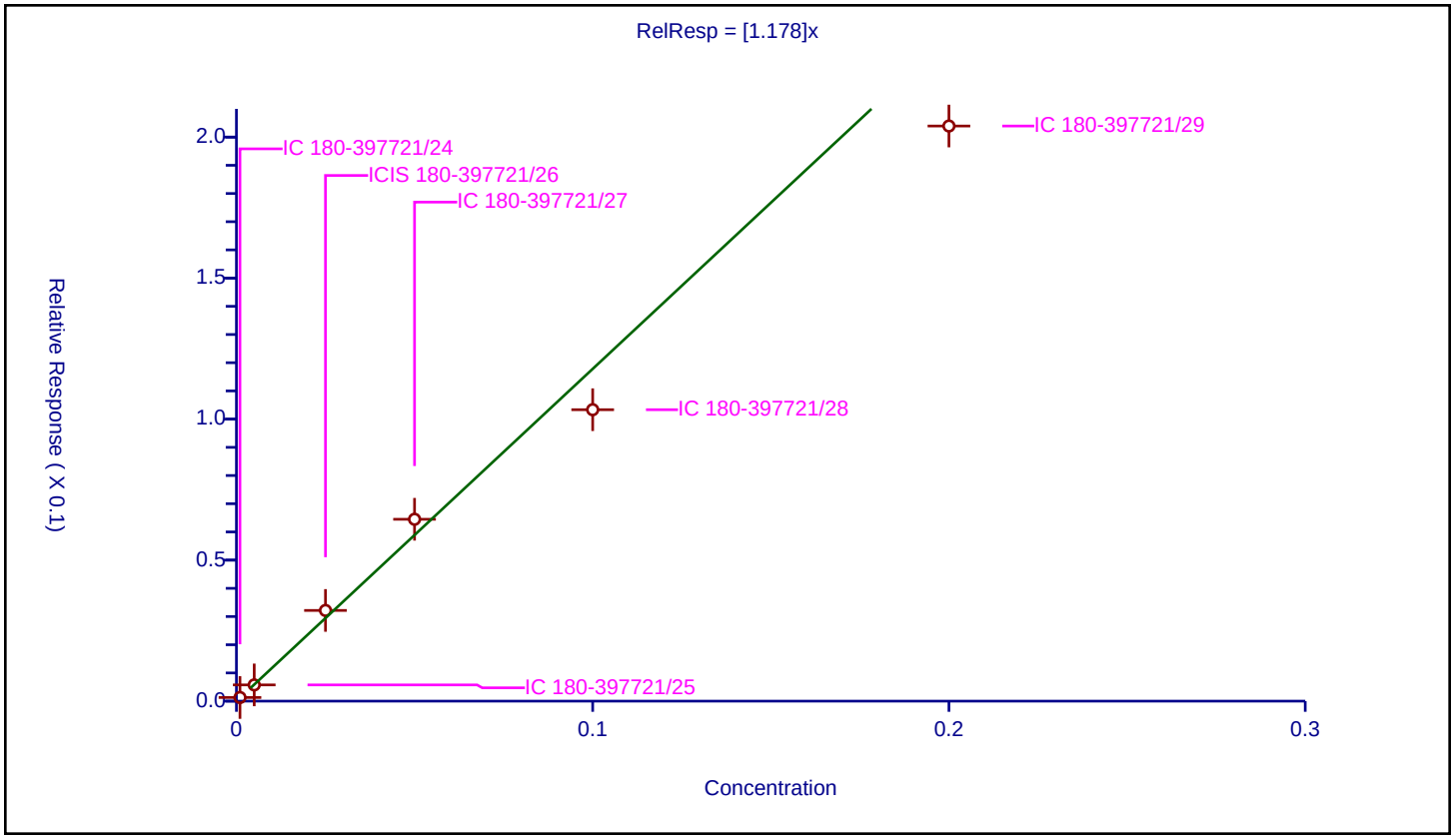
Curve Coefficients

Intercept:	0
Slope:	1.178

Error Coefficients

Standard Error:	144000000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.001287	0.1	120808878.0	1.287027	Y
2	IC 180-397721/25	0.005	0.00576	0.1	124663324.0	1.152053	Y
3	ICIS 180-397721/26	0.025	0.032164	0.1	112692562.0	1.286571	Y
4	IC 180-397721/27	0.05	0.064489	0.1	114055710.0	1.289779	Y
5	IC 180-397721/28	0.1	0.103337	0.1	135972501.0	1.033369	Y
6	IC 180-397721/29	0.2	0.203929	0.1	136385995.0	1.019645	Y



Calibration / Methoxychlor

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

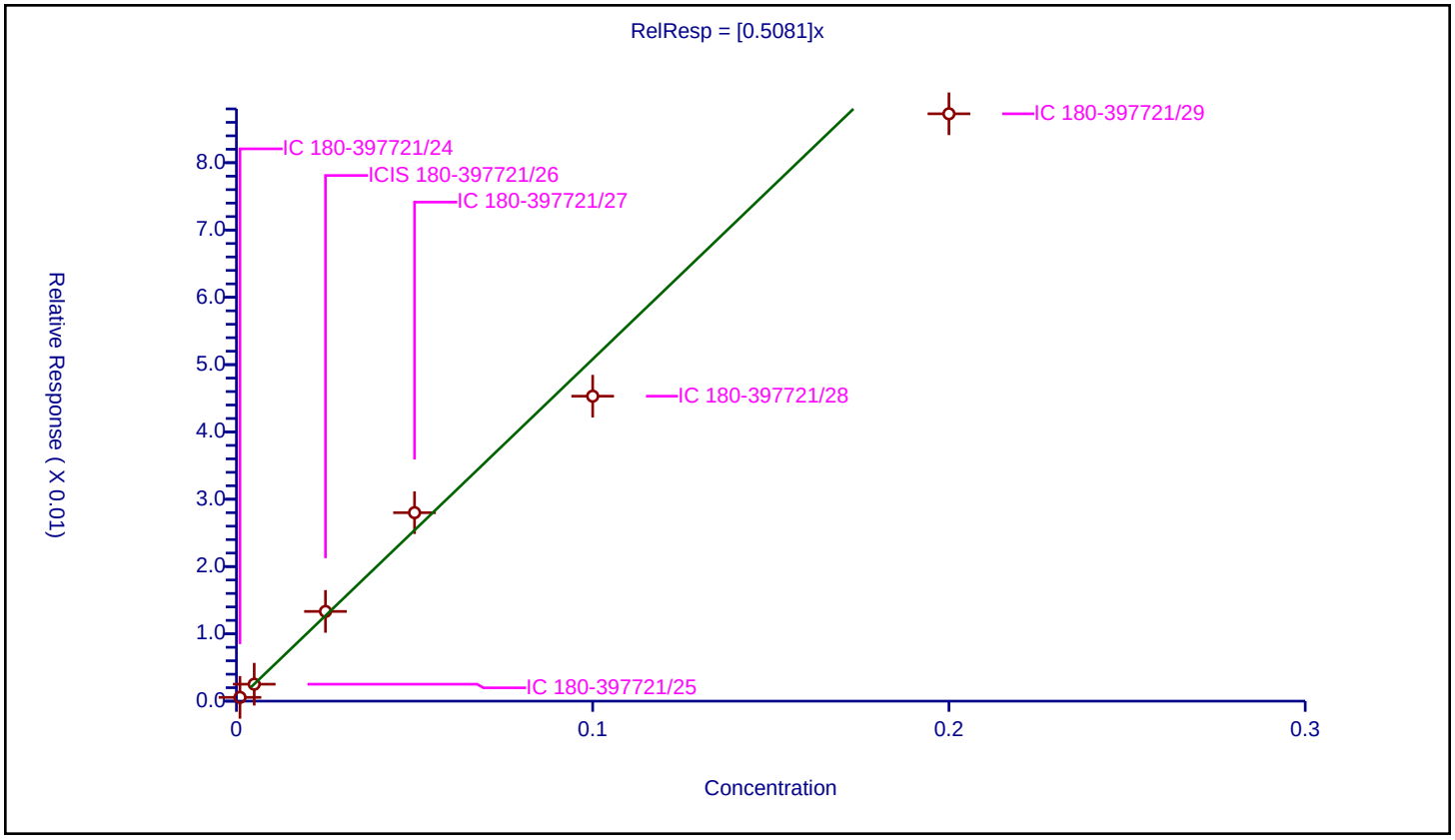
Curve Coefficients

Intercept:	0
Slope:	0.5081

Error Coefficients

Standard Error:	62000000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000562	0.1	120808878.0	0.561953	Y
2	IC 180-397721/25	0.005	0.002519	0.1	124663324.0	0.503792	Y
3	ICIS 180-397721/26	0.025	0.013333	0.1	112692562.0	0.533303	Y
4	IC 180-397721/27	0.05	0.028006	0.1	114055710.0	0.560117	Y
5	IC 180-397721/28	0.1	0.045316	0.1	135972501.0	0.45316	Y
6	IC 180-397721/29	0.2	0.08727	0.1	136385995.0	0.436352	Y



Calibration / Endrin ketone

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

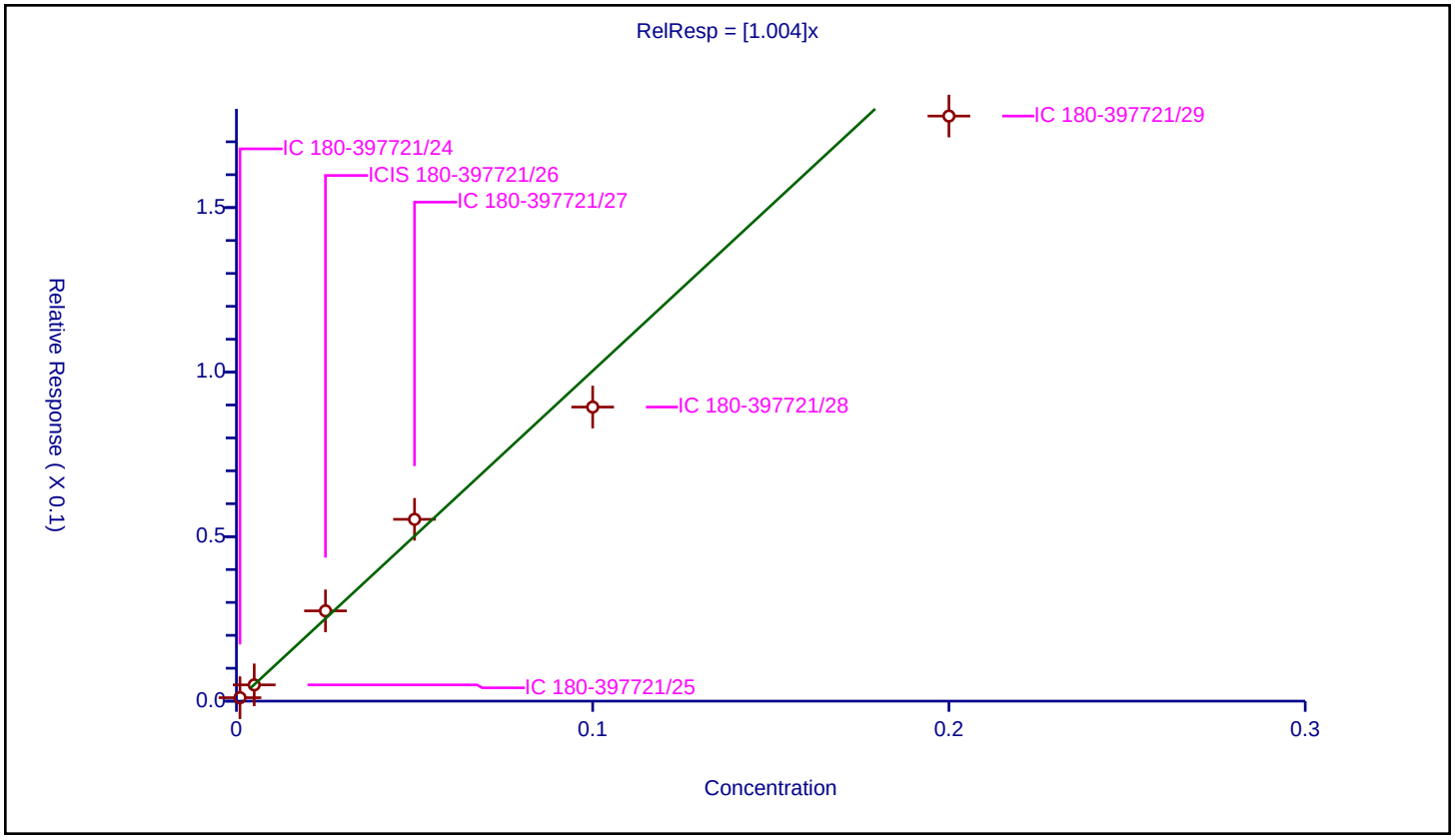
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	125000000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.00105	0.1	120808878.0	1.049558	Y
2	IC 180-397721/25	0.005	0.00494	0.1	124663324.0	0.988065	Y
3	ICIS 180-397721/26	0.025	0.027439	0.1	112692562.0	1.097544	Y
4	IC 180-397721/27	0.05	0.055261	0.1	114055710.0	1.105229	Y
5	IC 180-397721/28	0.1	0.089375	0.1	135972501.0	0.893747	Y
6	IC 180-397721/29	0.2	0.17782	0.1	136385995.0	0.889099	Y



Calibration / DCB Decachlorobiphenyl (Surr)

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

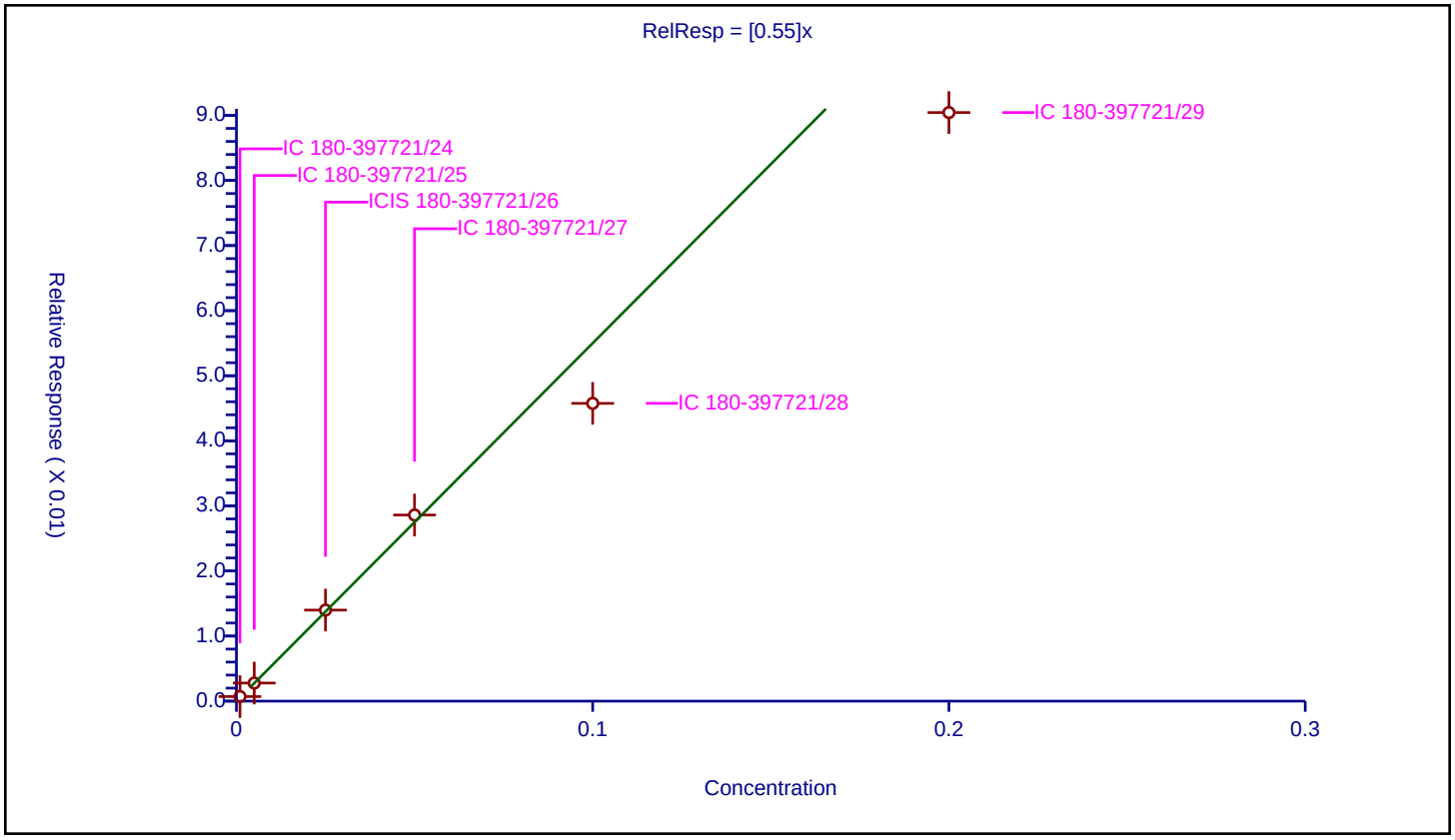
Curve Coefficients

Intercept:	0
Slope:	0.55

Error Coefficients

Standard Error:	63900000
Relative Standard Error:	16.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-397721/24	0.001	0.000703	0.1	120808878.0	0.702557	Y
2	IC 180-397721/25	0.005	0.002781	0.1	124663324.0	0.55611	Y
3	ICIS 180-397721/26	0.025	0.013989	0.1	112692562.0	0.559548	Y
4	IC 180-397721/27	0.05	0.028601	0.1	114055710.0	0.572021	Y
5	IC 180-397721/28	0.1	0.045756	0.1	135972501.0	0.457556	Y
6	IC 180-397721/29	0.2	0.090438	0.1	136385995.0	0.452188	Y



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: PEM 180-408450/1 Calibration Date: 08/12/2022 11:17

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122206.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.52	54345880	0.00	15	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.91	89481791	3.59	15	
4,4'-DDD	7.63	1139921			
4,4'-DDE	7.18	2189980			

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122206.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 12-Aug-2022 11:17:51 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-001
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 11:31:55 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 11:32:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							s
1	4.024	4.026	-0.002	203747903H	0.1000	0.1000	
2	4.048	4.050	-0.002	184523886H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.003	5.005	-0.002	59779986H	0.0250	0.0188	
2	4.893	4.895	-0.002	51047214H	0.0250	0.0182	
						RPD = 2.97	
23 4,4'-DDE							
1	7.175	7.178	-0.003	1462500H		0.000602	
2	7.082	7.085	-0.003	1285248H		0.000610	
						RPD = 1.32	
27 Endrin							
1	7.515	7.519	-0.004	40756197H	0.0250	0.0208	
2	7.515	7.520	-0.005	34678016H	0.0250	0.0199	
						RPD = 4.04	
30 4,4'-DDD							M
1	7.633	7.637	-0.004	809792H		0.000440	M
2	7.595	7.598	-0.003	941456H		0.000544	
						RPD = 21.01	
32 Endrin aldehyde							
1		7.835				ND	
2		7.945					
33 4,4'-DDT							
1	7.909	7.912	-0.003	65376042H	0.0500	0.0400	
2	7.833	7.839	-0.006	61462371H	0.0500	0.0391	
						RPD = 2.08	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	132953461H	0.1000	0.1000	
2	8.208	8.215	-0.008	131895226H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.538				ND	
2		8.753					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.413	10.420	-0.007	18026985H	0.0250	0.0219	
2	10.368	10.382	-0.014	16364279H	0.0250	0.0226	
						RPD = 3.10	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCPESTPEMSTD_00052	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

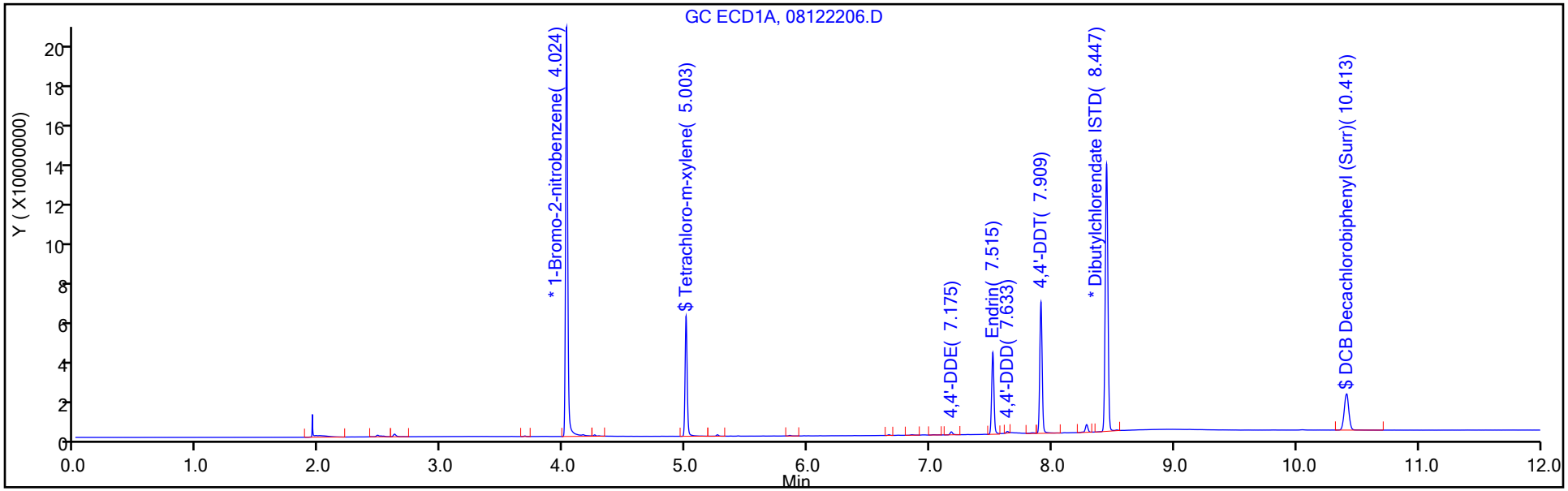
Report Date: 12-Aug-2022 11:32:19 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

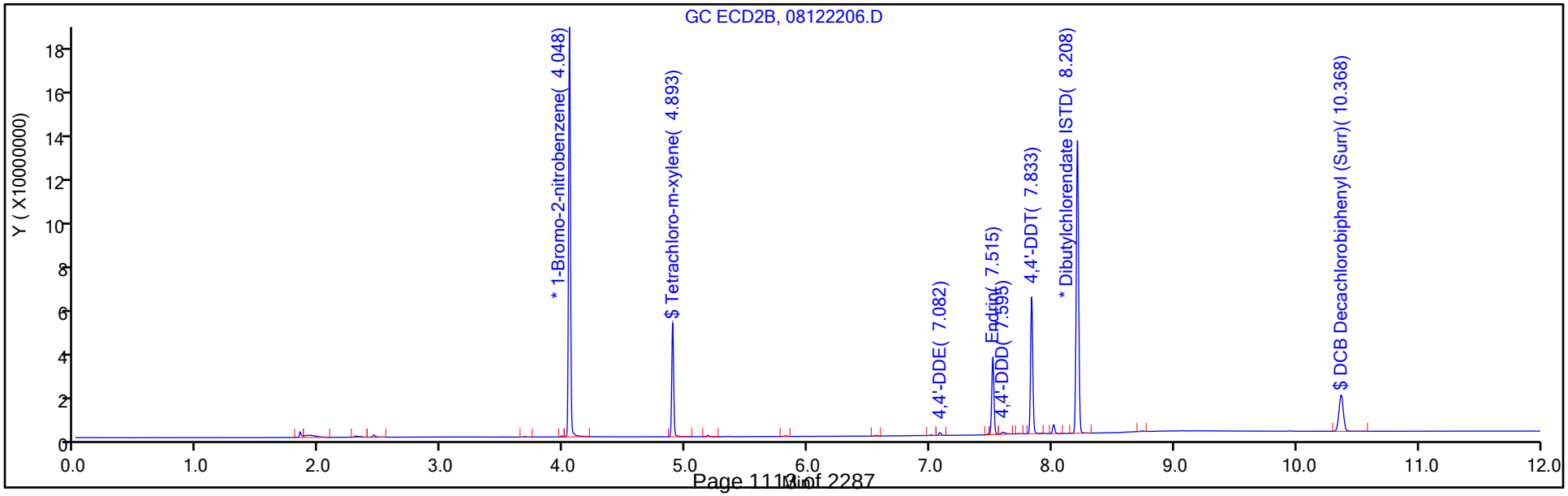
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122206.D

Injection Date:	12-Aug-2022 11:17:51	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

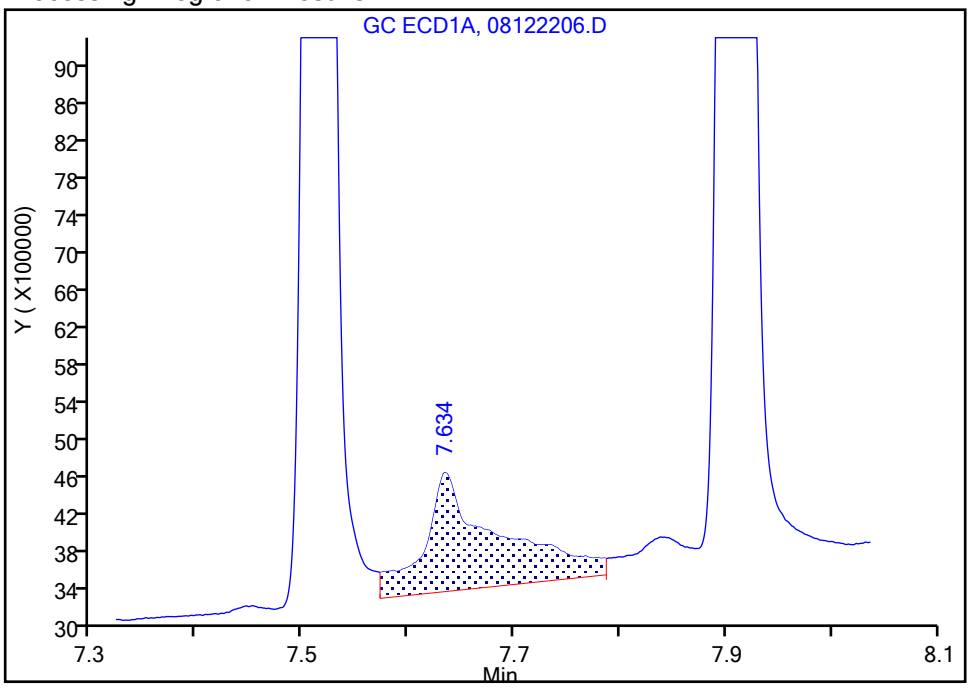
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122206.D
Injection Date: 12-Aug-2022 11:17:51 Instrument ID: CHGC17
Lims ID: PEM
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-1 (0.53 mm) Detector GC ECD1A

30 4,4'-DDD, CAS: 72-54-8

Signal: 1

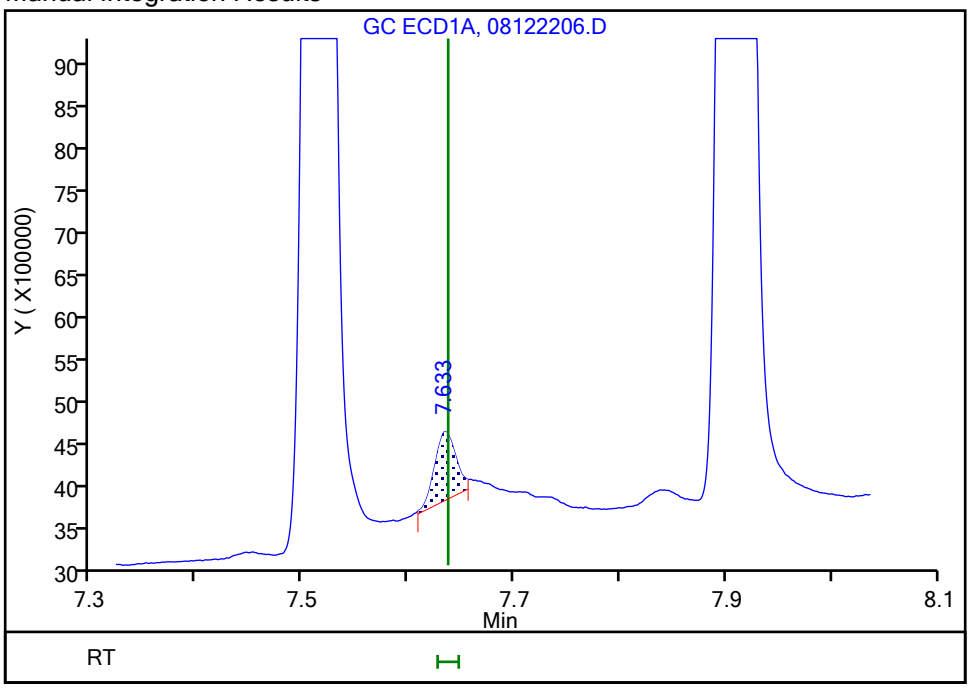
Processing Integration Results

RT: 7.63
Height: 1260298
Amount: 0.000686
Amount Units: ng



Manual Integration Results

RT: 7.63
Height: 809792
Amount: 0.000440
Amount Units: ng



Reviewer: FM8W, 12-Aug-2022 11:31:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: PEM 180-408450/1 Calibration Date: 08/12/2022 11:17

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122206.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.52	44252601	0.00	15	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.83	77976903	4.97	15	
4,4'-DDD	7.60	2381591			
4,4'-DDE	7.08	1698016			

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122206.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 12-Aug-2022 11:17:51 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-001
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 11:31:55 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 11:32:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							s
1	4.024	4.026	-0.002	203747903H	0.1000	0.1000	
2	4.048	4.050	-0.002	184523886H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.003	5.005	-0.002	59779986H	0.0250	0.0188	
2	4.893	4.895	-0.002	51047214H	0.0250	0.0182	
						RPD = 2.97	
23 4,4'-DDE							
1	7.175	7.178	-0.003	1462500H		0.000602	
2	7.082	7.085	-0.003	1285248H		0.000610	
						RPD = 1.32	
27 Endrin							
1	7.515	7.519	-0.004	40756197H	0.0250	0.0208	
2	7.515	7.520	-0.005	34678016H	0.0250	0.0199	
						RPD = 4.04	
30 4,4'-DDD							M
1	7.633	7.637	-0.004	809792H		0.000440	M
2	7.595	7.598	-0.003	941456H		0.000544	
						RPD = 21.01	
32 Endrin aldehyde							
1		7.835				ND	
2		7.945					
33 4,4'-DDT							
1	7.909	7.912	-0.003	65376042H	0.0500	0.0400	
2	7.833	7.839	-0.006	61462371H	0.0500	0.0391	
						RPD = 2.08	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	132953461H	0.1000	0.1000	
2	8.208	8.215	-0.008	131895226H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.538				ND	
2		8.753					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.413	10.420	-0.007	18026985H	0.0250	0.0219	
2	10.368	10.382	-0.014	16364279H	0.0250	0.0226	
						RPD = 3.10	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCPESTPEMSTD_00052	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

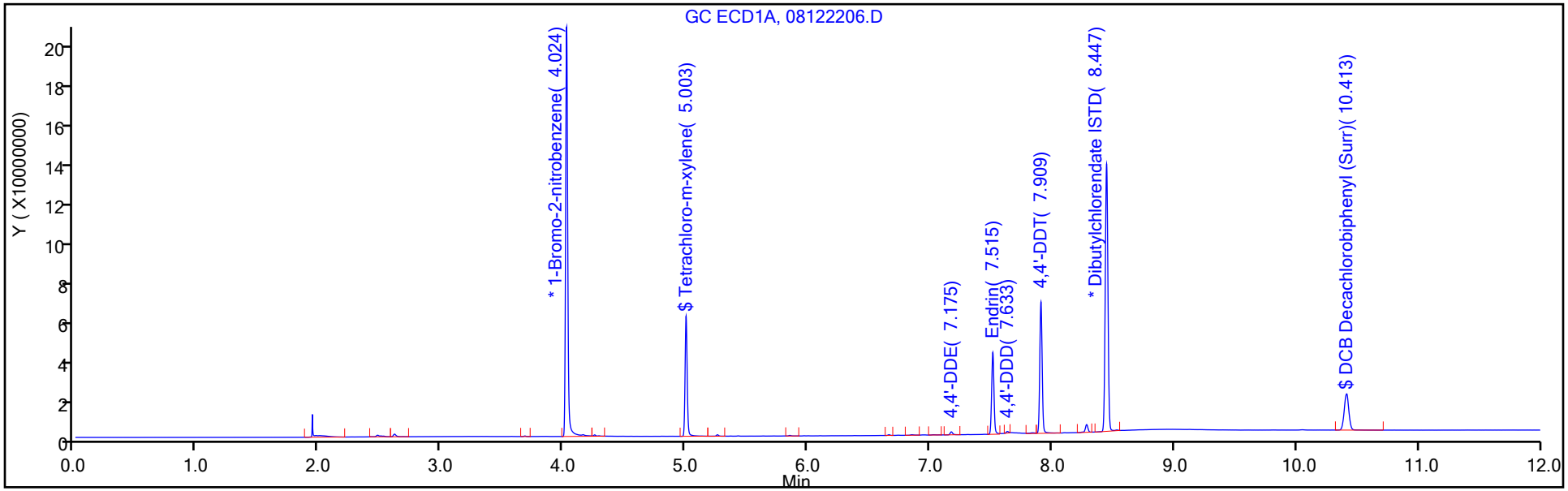
Report Date: 12-Aug-2022 11:32:20 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

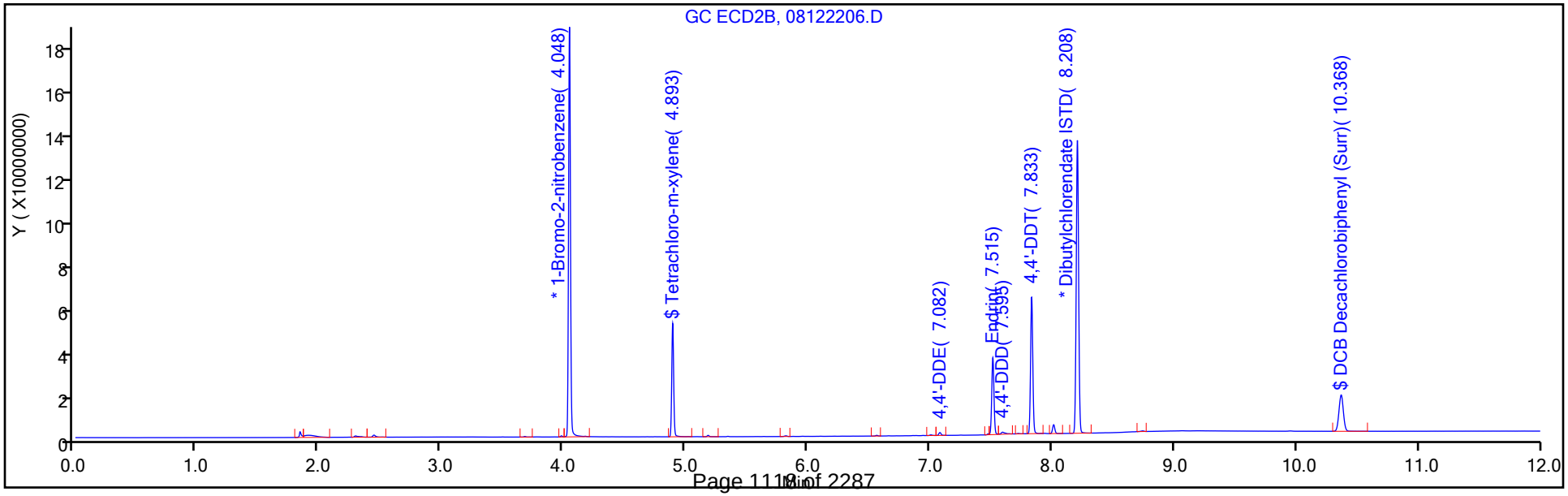
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122206.D

Injection Date:	12-Aug-2022 11:17:51	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/30 Calibration Date: 05/05/2022 17:18

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05052230.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0126	0.0175		1.40	1.00	39.5*	20.0
Toxaphene Peak 2	Ave	0.0232	0.0327		1.41	1.00	40.6*	20.0
Toxaphene Peak 3	Ave	0.0226	0.0315		1.39	1.00	39.2*	20.0
Toxaphene Peak 4	Ave	0.0174	0.0253		1.46	1.00	45.9*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/30 Calibration Date: 05/05/2022 17:18

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05052230.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.18	7.17	7.19
Toxaphene Peak 2	7.70	7.70	7.72
Toxaphene Peak 3	7.90	7.90	7.92
Toxaphene Peak 4	7.98	7.98	8.00

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 17:18:41 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-030
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:32:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	138878400H	0.1000	0.1000	
2	4.017	4.017	0.000	147779439H	0.1000	0.1000	
24 Toxaphene							M
1	7.175	7.184	-0.009	24326284H	1.00	1.40	
1	7.703	7.711	-0.008	45381188H	1.00	1.41	
1	7.902	7.909	-0.007	43779902H	1.00	1.39	
1	7.978	7.987	-0.009	35178584H	1.00	1.46	
		Average of Peak Amounts =				1.41	
2	7.199	7.206	-0.007	30850856H	1.00	1.41	M
2	7.737	7.744	-0.007	36950683H	1.00	1.32	M
2	7.924	7.931	-0.007	21748308H	1.00	1.26	M
2	8.440	8.448	-0.008	26713629H	1.00	1.30	M
		Average of Peak Amounts =				1.32	
						RPD = 6.64	
* 36 Dibutylchlorendate ISTD							sM
1	8.409	8.410	0.000	139520623H	0.1000	0.1000	
2	8.221	8.223	-0.002	132759144H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXICV_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

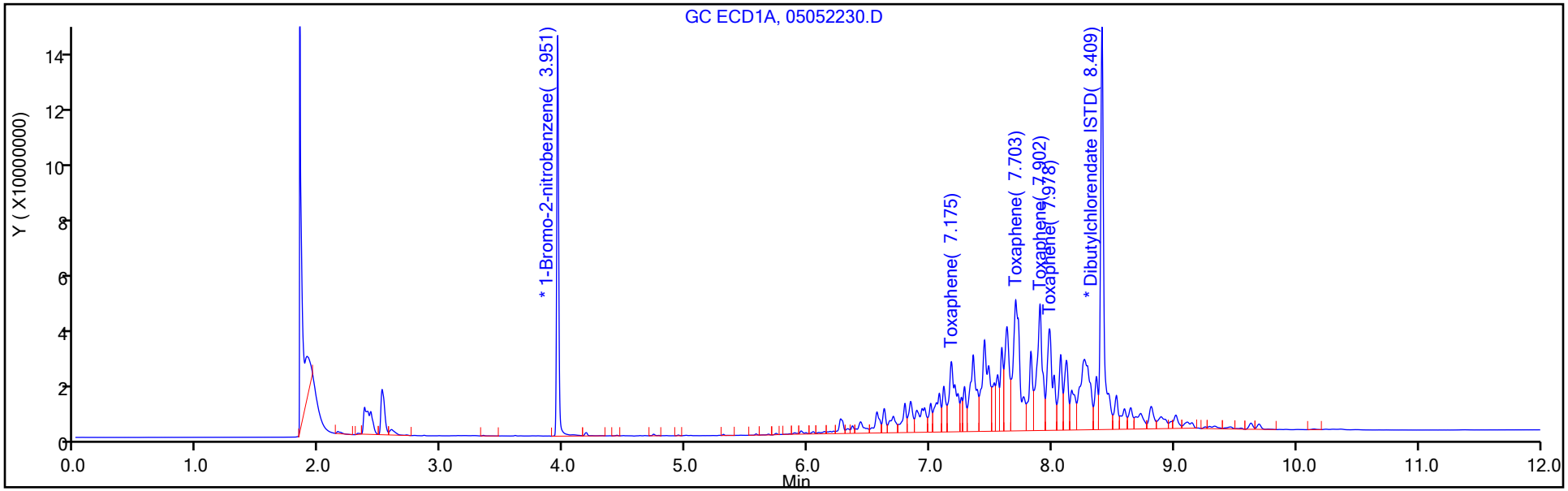
Report Date: 06-May-2022 06:41:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

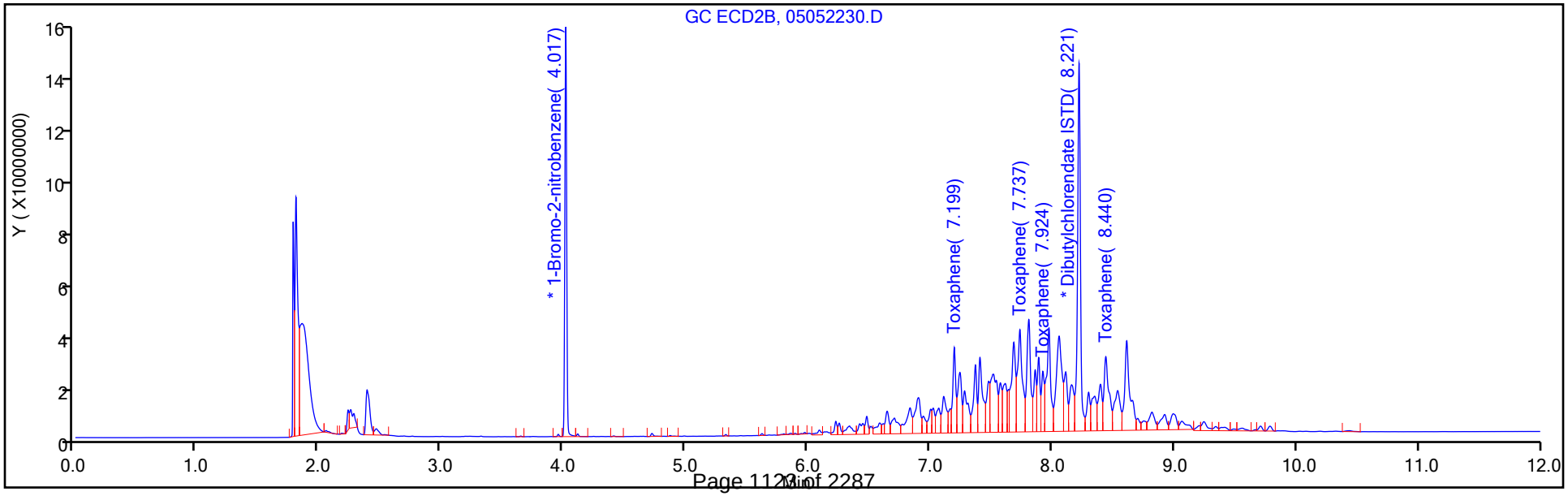
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D

Injection Date:	05-May-2022 17:18:41	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/30 Calibration Date: 05/05/2022 17:18

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05052230.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0148	0.0209		1.41	1.00	40.9*	20.0
Toxaphene Peak 2	Ave	0.0190	0.0250		1.32	1.00	31.7*	20.0
Toxaphene Peak 3	Lin1		0.0147		1.26	1.00	26.2*	20.0
Toxaphene Peak 4	Ave	0.0139	0.0181		1.30	1.00	30.2*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/30 Calibration Date: 05/05/2022 17:18

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05052230.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.20	7.20	7.22
Toxaphene Peak 2	7.74	7.73	7.75
Toxaphene Peak 3	7.92	7.92	7.94
Toxaphene Peak 4	8.44	8.44	8.46

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 17:18:41 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-030
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:32:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	138878400H	0.1000	0.1000	
2	4.017	4.017	0.000	147779439H	0.1000	0.1000	
24 Toxaphene							M
1	7.175	7.184	-0.009	24326284H	1.00	1.40	
1	7.703	7.711	-0.008	45381188H	1.00	1.41	
1	7.902	7.909	-0.007	43779902H	1.00	1.39	
1	7.978	7.987	-0.009	35178584H	1.00	1.46	
		Average of Peak Amounts =				1.41	
2	7.199	7.206	-0.007	30850856H	1.00	1.41	M
2	7.737	7.744	-0.007	36950683H	1.00	1.32	M
2	7.924	7.931	-0.007	21748308H	1.00	1.26	M
2	8.440	8.448	-0.008	26713629H	1.00	1.30	M
		Average of Peak Amounts =				1.32	
						RPD = 6.64	
* 36 Dibutylchlorendate ISTD							sM
1	8.409	8.410	0.000	139520623H	0.1000	0.1000	
2	8.221	8.223	-0.002	132759144H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXICV_00015	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

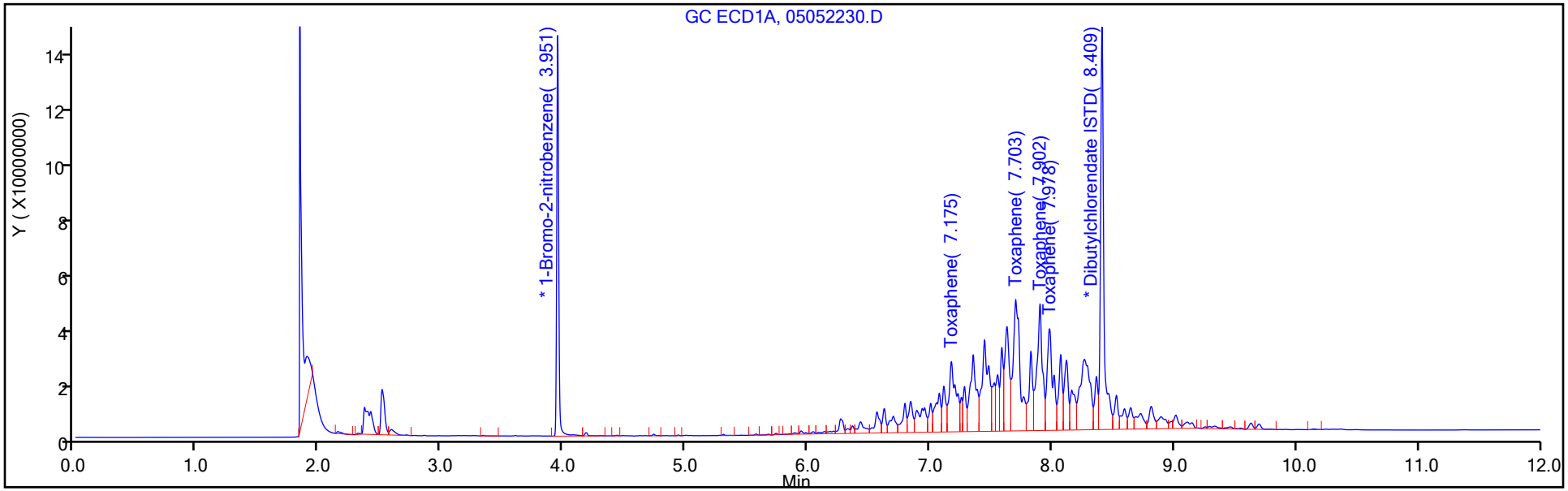
Report Date: 06-May-2022 06:41:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

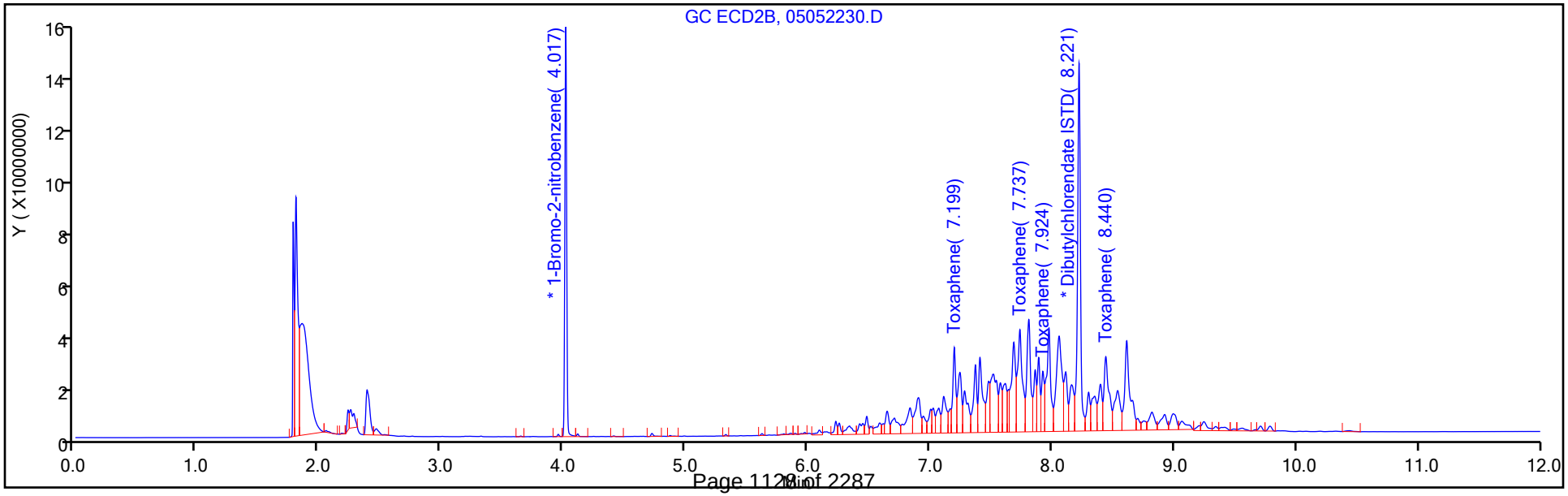
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D

Injection Date:	05-May-2022 17:18:41	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

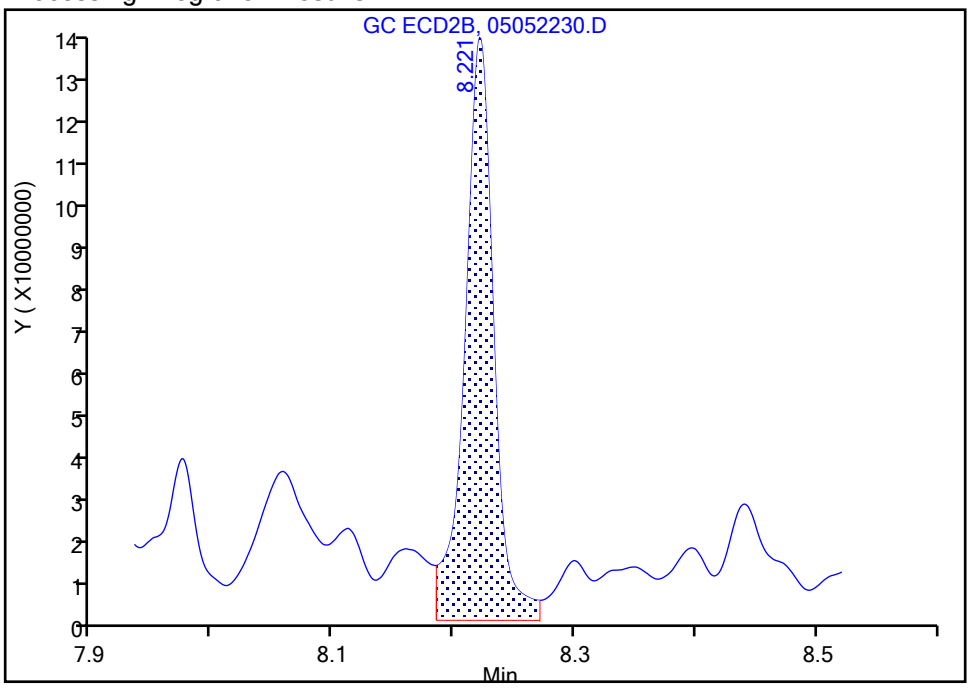
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D
Injection Date: 05-May-2022 17:18:41 Instrument ID: CHGC17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

* 36 Dibutylchlorendate ISTD, CAS: 1770-80-5

Signal: 2

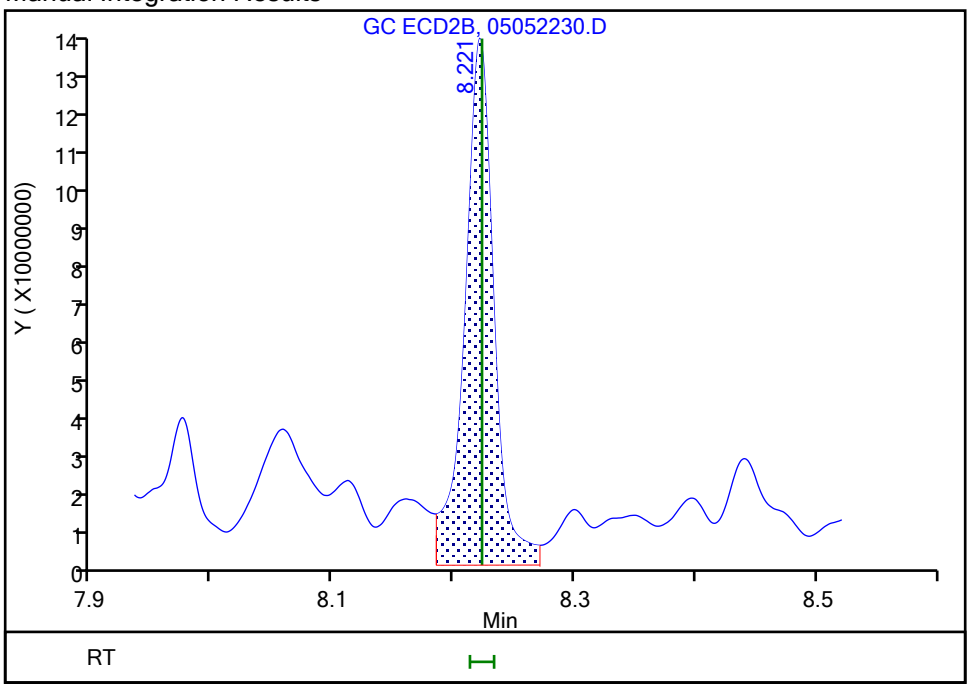
Processing Integration Results

RT: 8.22
Height: 132295246
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 8.22
Height: 132759144
Amount: 0.100000
Amount Units: ng



Reviewer: eppinged, 06-May-2022 05:32:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 06-May-2022 06:41:09 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052230.D

Injection Date: 05-May-2022 17:18:41 Instrument ID: CHGC17

Lims ID: ICV

Client ID:

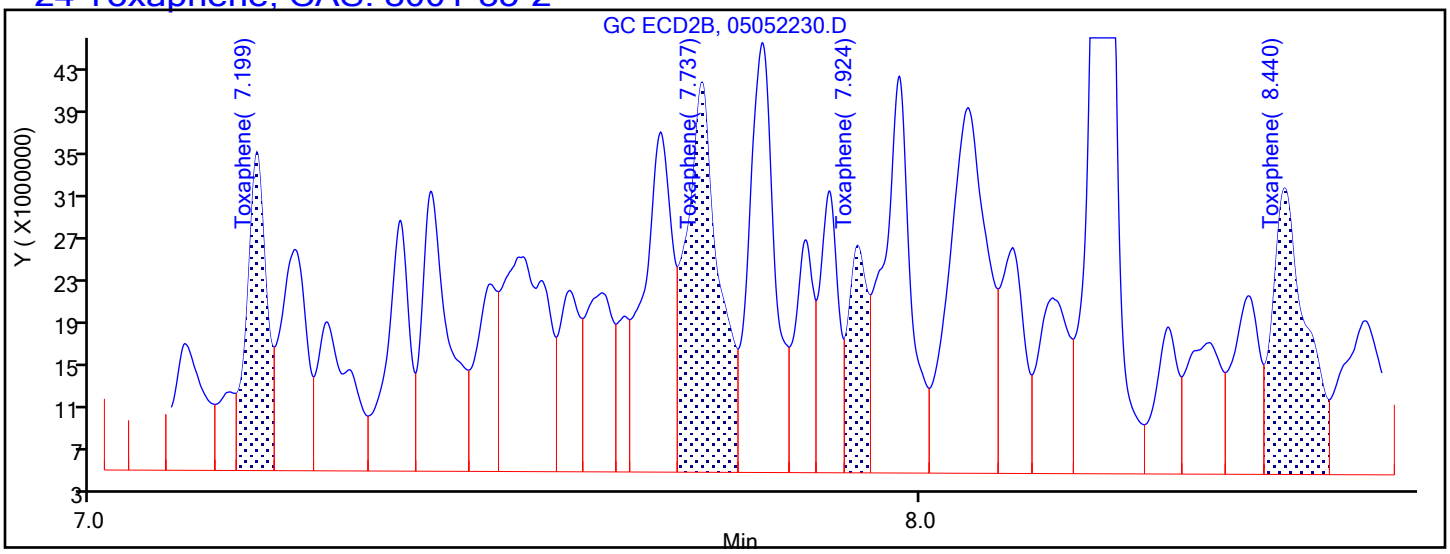
Operator ID: ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

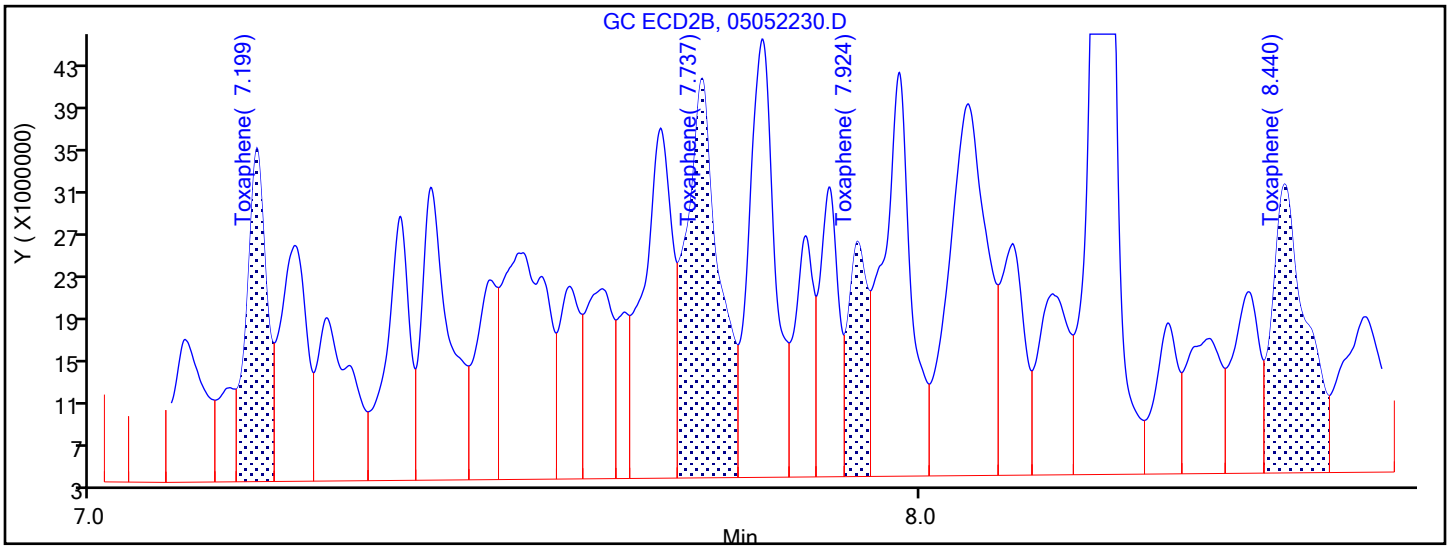
Column: MR-2 (0.53 mm) Detector GC ECD2B

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

7.199	Response = 29428436
7.737	Response = 36032543
7.924	Response = 21006080
8.440	Response = 26455352



Manual Integration Results

7.199	Response = 30850856	M
7.737	Response = 36950683	M
7.924	Response = 21748308	M
8.440	Response = 26713629	M

Reviewer: eppinged, 06-May-2022 05:32:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/31 Calibration Date: 05/05/2022 17:34

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 05052231.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0512	0.0576		0.281	0.250	12.5	20.0
Chlordane (technical) Peak 2	Ave	0.0635	0.0757		0.298	0.250	19.2	20.0
Chlordane (technical) Peak 3	Ave	0.1985	0.2275		0.287	0.250	14.6	20.0
Chlordane (technical) Peak 4	Ave	0.2126	0.2294		0.270	0.250	7.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/31 Calibration Date: 05/05/2022 17:34

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 05052231.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.88	5.87	5.89
Chlordane (technical) Peak 2	6.05	6.04	6.06
Chlordane (technical) Peak 3	6.92	6.91	6.93
Chlordane (technical) Peak 4	6.98	6.98	7.00

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052231.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 17:34:32 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-031
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:34:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	164628129H	0.1000	0.1000	
2	4.018	4.017	0.001	177484427H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.875	5.876	-0.001	23711652H	0.2500	0.2813	
1	6.050	6.052	-0.002	31164865H	0.2500	0.2979	
1	6.916	6.918	-0.002	93642861H	0.2500	0.2865	
1	6.984	6.986	-0.002	94396772H	0.2500	0.2697	
		Average of Peak Amounts =				0.2839	
2	5.950	5.952	-0.002	29180327H	0.2500	0.2749	
2	6.301	6.305	-0.004	19222709H	0.2500	0.2828	
2	6.895	6.892	0.003	78898073H	0.2500	0.2742	M
2	6.947	6.950	-0.003	54369176H	0.2500	0.2718	
		Average of Peak Amounts =				0.2760	
						RPD = 2.82	
* 36 Dibutylchlorendate ISTD							
1	8.411	8.410	0.002	128174510H	0.1000	0.1000	
2	8.224	8.223	0.001	139519577H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORICV_00017	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

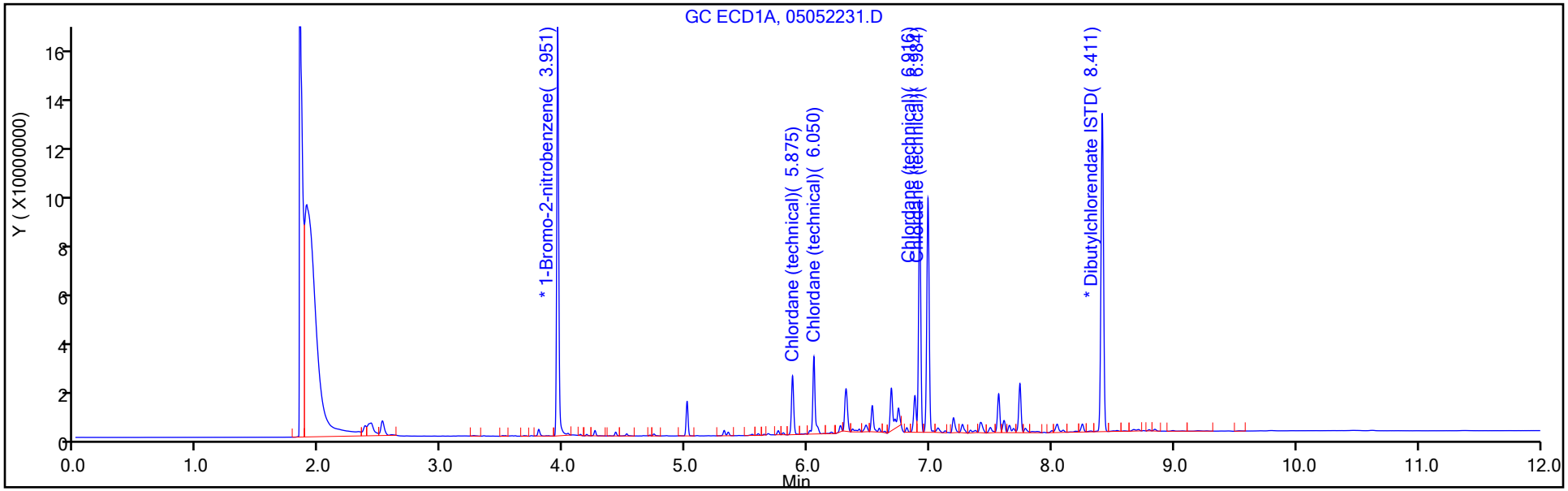
Report Date: 06-May-2022 06:41:11 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

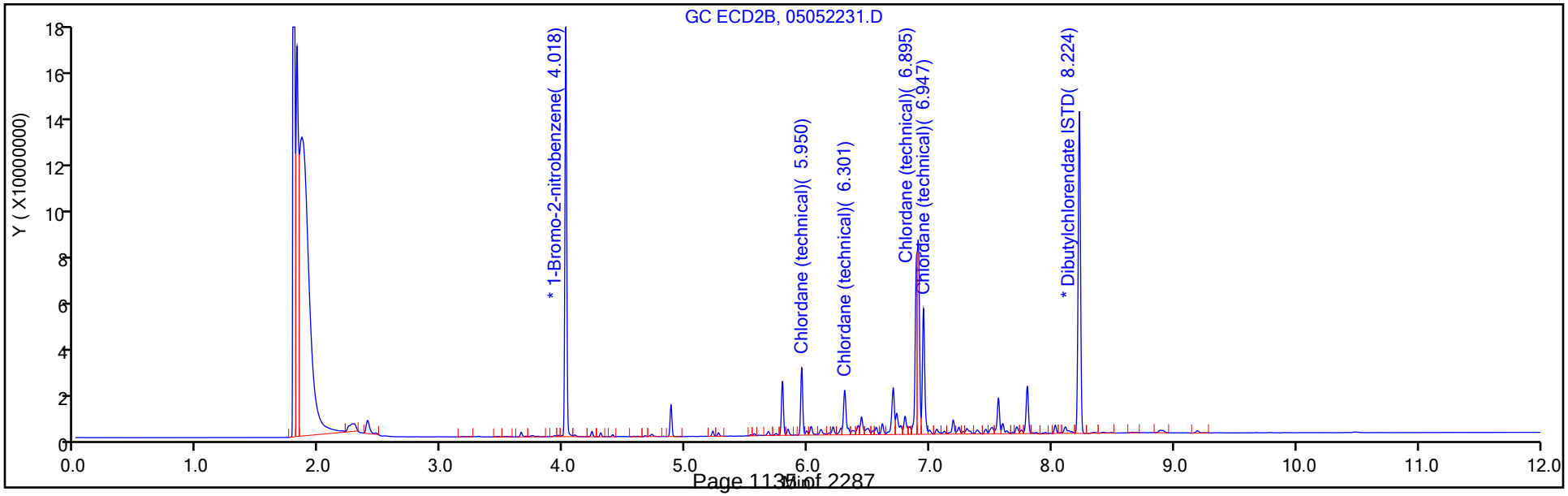
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052231.D

Injection Date:	05-May-2022 17:34:32	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/31 Calibration Date: 05/05/2022 17:34

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 05052231.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0598	0.0658		0.275	0.250	10.0	20.0
Chlordane (technical) Peak 2	Ave	0.0383	0.0433		0.283	0.250	13.1	20.0
Chlordane (technical) Peak 3	Ave	0.1621	0.1778		0.274	0.250	9.7	20.0
Chlordane (technical) Peak 4	Ave	0.1127	0.1225		0.272	0.250	8.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/31 Calibration Date: 05/05/2022 17:34

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 05052231.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.95	5.94	5.96
Chlordane (technical) Peak 2	6.30	6.30	6.32
Chlordane (technical) Peak 3	6.90	6.88	6.90
Chlordane (technical) Peak 4	6.95	6.94	6.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052231.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 17:34:32 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-031
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 05:34:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	0.000	164628129H	0.1000	0.1000	
2	4.018	4.017	0.001	177484427H	0.1000	0.1000	
9 Chlordane (technical)							Ma
1	5.875	5.876	-0.001	23711652H	0.2500	0.2813	
1	6.050	6.052	-0.002	31164865H	0.2500	0.2979	
1	6.916	6.918	-0.002	93642861H	0.2500	0.2865	
1	6.984	6.986	-0.002	94396772H	0.2500	0.2697	
		Average of Peak Amounts =				0.2839	
2	5.950	5.952	-0.002	29180327H	0.2500	0.2749	
2	6.301	6.305	-0.004	19222709H	0.2500	0.2828	
2	6.895	6.892	0.003	78898073H	0.2500	0.2742	M
2	6.947	6.950	-0.003	54369176H	0.2500	0.2718	
		Average of Peak Amounts =				0.2760	
						RPD = 2.82	
* 36 Dibutylchlorendate ISTD							
1	8.411	8.410	0.002	128174510H	0.1000	0.1000	
2	8.224	8.223	0.001	139519577H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GCCHLORICV_00017	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

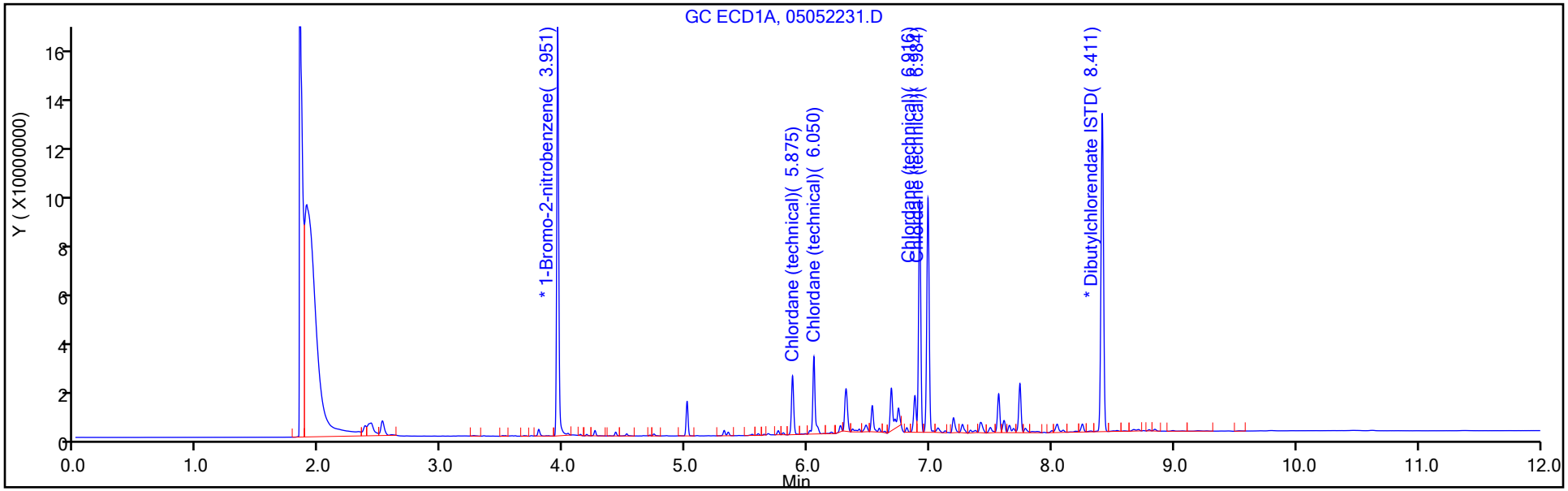
Report Date: 06-May-2022 06:41:11 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

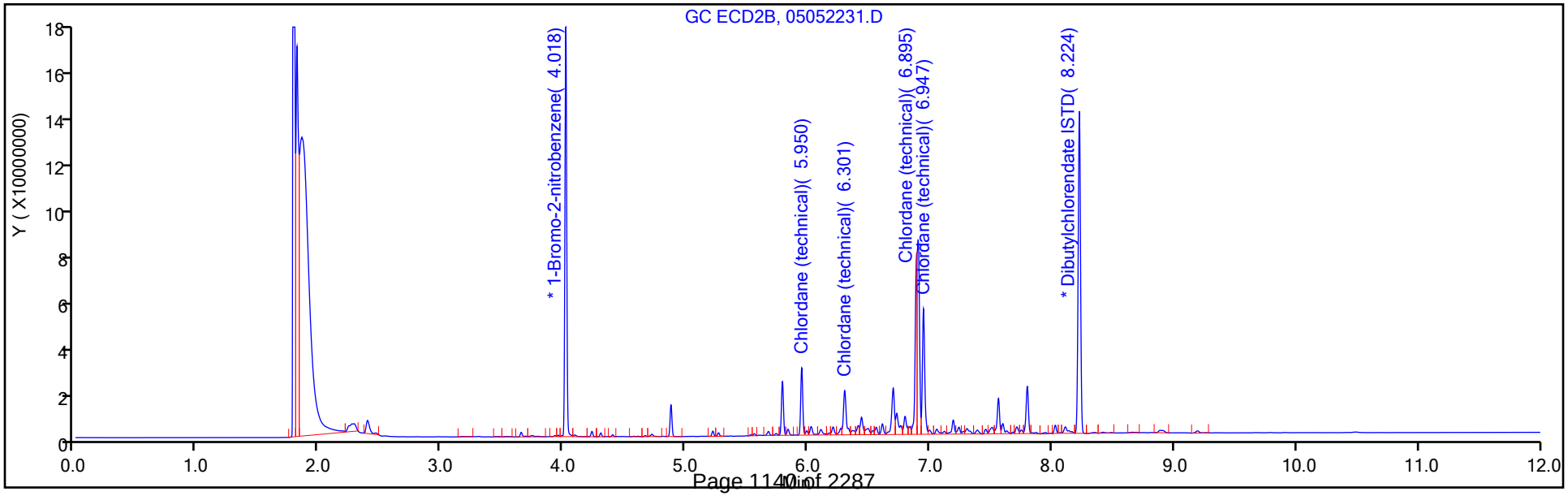
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052231.D

Injection Date:	05-May-2022 17:34:32	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 06-May-2022 06:41:12 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052231.D

Injection Date: 05-May-2022 17:34:32 Instrument ID: CHGC17

Lims ID: ICV

Client ID:

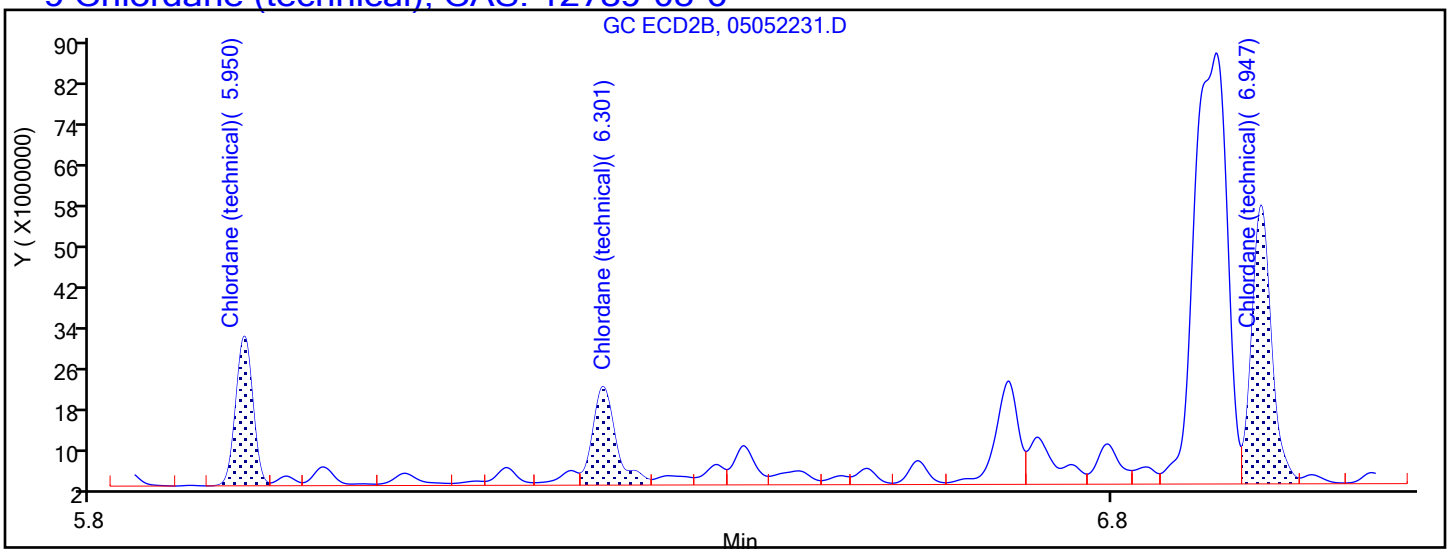
Operator ID: ALS Bottle#: 31 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

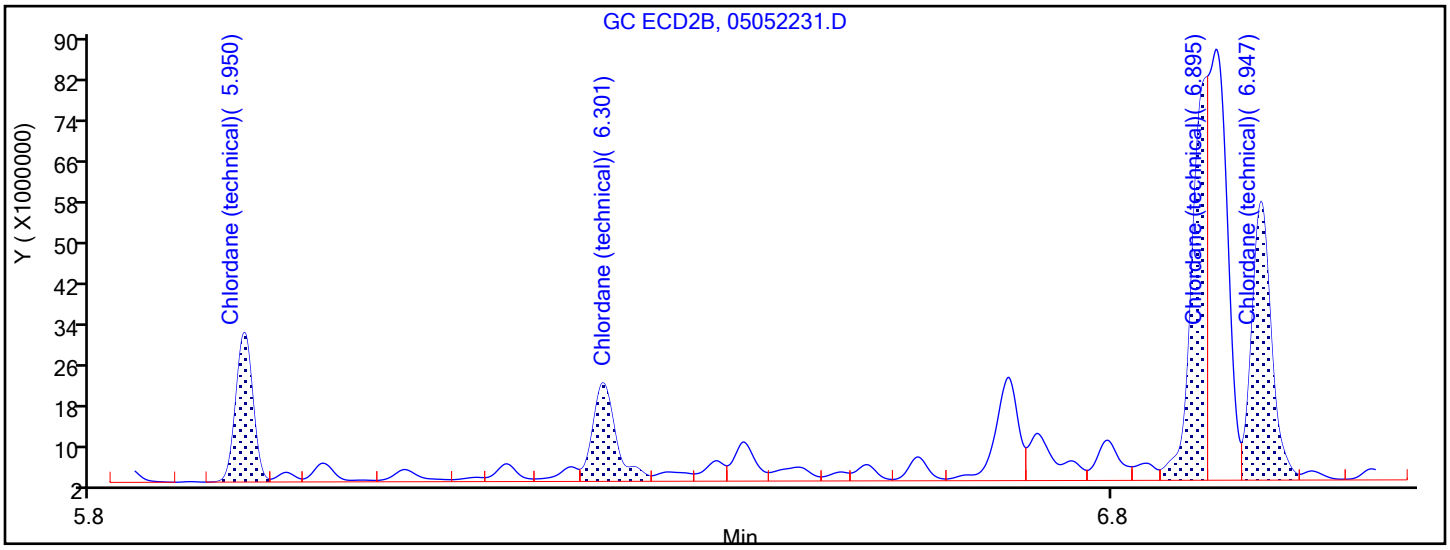
Column: MR-2 (0.53 mm) Detector GC ECD2B

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

5.950	Response = 29180327
6.301	Response = 19222709
6.892	Response = 0
6.947	Response = 54369176



Manual Integration Results

5.950	Response = 29180327	
6.301	Response = 19222709	
6.895	Response = 78898073	M
6.947	Response = 54369176	

Reviewer: eppinged, 06-May-2022 05:32:53

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/35 Calibration Date: 05/05/2022 18:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 05052235.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	2.012	2.149		0.0534	0.0500	6.8	20.0
gamma-BHC (Lindane)	Ave	1.730	1.825		0.0528	0.0500	5.5	20.0
beta-BHC	Ave	0.7854	0.8057		0.0513	0.0500	2.6	20.0
delta-BHC	Ave	1.639	1.720		0.0525	0.0500	5.0	20.0
Heptachlor	Ave	1.386	1.458		0.0526	0.0500	5.2	20.0
Aldrin	Ave	1.514	1.635		0.0540	0.0500	8.0	20.0
Heptachlor epoxide	Ave	1.310	1.412		0.0539	0.0500	7.8	20.0
trans-Chlordane	Ave	1.354	1.483		0.0548	0.0500	9.5	20.0
cis-Chlordane	Ave	1.278	1.206		0.0472	0.0500	-5.6	20.0
Endosulfan I	Ave	1.217	1.300		0.0534	0.0500	6.8	20.0
4,4'-DDE	Ave	1.826	1.984		0.0543	0.0500	8.7	20.0
Dieldrin	Ave	1.782	1.891		0.0530	0.0500	6.1	20.0
Endrin	Ave	1.476	1.624		0.0550	0.0500	10.0	20.0
4,4'-DDD	Ave	1.383	1.559		0.0564	0.0500	12.7	20.0
Endosulfan II	Ave	1.325	1.580		0.0597	0.0500	19.3	20.0
Endrin aldehyde	Ave	1.151	1.222		0.0531	0.0500	6.2	20.0
4,4'-DDT	Ave	1.231	1.404		0.0570	0.0500	14.1	20.0
Endosulfan sulfate	Ave	1.333	1.421		0.0533	0.0500	6.6	20.0
Methoxychlor	Ave	0.5448	0.6090		0.0559	0.0500	11.8	20.0
Endrin ketone	Ave	1.175	1.314		0.0559	0.0500	11.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/35 Calibration Date: 05/05/2022 18:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 05052235.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.31	5.30	5.32
gamma-BHC (Lindane)	5.58	5.57	5.59
beta-BHC	5.74	5.73	5.75
delta-BHC	5.94	5.94	5.96
Heptachlor	6.05	6.04	6.06
Aldrin	6.33	6.32	6.34
Heptachlor epoxide	6.69	6.69	6.71
trans-Chlordane	6.91	6.91	6.93
cis-Chlordane	6.98	6.97	6.99
Endosulfan I	7.03	7.02	7.04
4,4'-DDE	7.13	7.12	7.14
Dieldrin	7.27	7.26	7.28
Endrin	7.47	7.46	7.48
4,4'-DDD	7.59	7.58	7.60
Endosulfan II	7.67	7.66	7.68
Endrin aldehyde	7.79	7.78	7.80
4,4'-DDT	7.87	7.86	7.88
Endosulfan sulfate	8.00	7.99	8.01
Methoxychlor	8.33	8.33	8.35
Endrin ketone	8.49	8.48	8.50

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052235.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 18:37:58 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-035
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 06:11:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	163932047H	0.1000	0.1000	
2	4.016	4.017	-0.001	178009571H	0.1000	0.1000	
5 alpha-BHC							
1	5.309	5.310	-0.001	176169809H	0.0500	0.0534	
2	5.327	5.329	-0.002	173329679H	0.0500	0.0523	
						RPD = 2.10	
7 gamma-BHC (Lindane)							
1	5.576	5.578	-0.002	149576778H	0.0500	0.0528	
2	5.625	5.627	-0.002	137714804H	0.0500	0.0493	
						RPD = 6.68	
8 beta-BHC							
1	5.741	5.744	-0.003	66041665H	0.0500	0.0513	
2	5.866	5.867	-0.001	67798017H	0.0500	0.0515	
						RPD = 0.31	
10 delta-BHC							
1	5.944	5.946	-0.002	140975766H	0.0500	0.0525	
2	6.092	6.094	-0.002	141876326H	0.0500	0.0533	
						RPD = 1.59	
11 Heptachlor							
1	6.047	6.049	-0.002	119505856H	0.0500	0.0526	
2	5.948	5.949	-0.001	119927035H	0.0500	0.0521	
						RPD = 0.88	
13 Aldrin							
1	6.331	6.333	-0.002	134045388H	0.0500	0.0540	
2	6.214	6.216	-0.002	137706648H	0.0500	0.0535	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.694	6.696	-0.002	115740273H	0.0500	0.0539	
2	6.658	6.659	-0.001	120405944H	0.0500	0.0535	
						RPD = 0.62	
18 trans-Chlordane							
1	6.913	6.915	-0.002	121561070H	0.0500	0.0548	
2	6.886	6.887	-0.001	124016578H	0.0500	0.0536	
						RPD = 2.11	
20 cis-Chlordane							
1	6.980	6.981	-0.001	98869276H	0.0500	0.0472	
2	6.945	6.946	-0.001	121189832H	0.0500	0.0542	
						RPD = 13.88	
22 Endosulfan I							
1	7.026	7.029	-0.003	106568054H	0.0500	0.0534	
2	7.011	7.012	-0.001	112230603H	0.0500	0.0540	
						RPD = 1.13	
23 4,4'-DDE							
1	7.130	7.131	-0.001	123427432H	0.0500	0.0543	
2	7.081	7.083	-0.002	107500084H	0.0500	0.0472	
						RPD = 14.13	
26 Dieldrin							
1	7.267	7.269	-0.002	117597631H	0.0500	0.0530	
2	7.253	7.255	-0.002	126538533H	0.0500	0.0526	
						RPD = 0.84	
27 Endrin							
1	7.471	7.471	0.000	101029188H	0.0500	0.0550	
2	7.517	7.519	-0.002	100036969H	0.0500	0.0531	
						RPD = 3.45	
30 4,4'-DDD							
1	7.591	7.592	-0.001	96960854H	0.0500	0.0564	
2	7.596	7.598	-0.002	100719460H	0.0500	0.0538	
						RPD = 4.75	
31 Endosulfan II							
1	7.669	7.671	-0.002	98293820H	0.0500	0.0597	
2	7.780	7.781	-0.001	99387420H	0.0500	0.0564	
						RPD = 5.63	
32 Endrin aldehyde							
1	7.787	7.788	-0.001	76036607H	0.0500	0.0531	
2	7.942	7.944	-0.002	79000536H	0.0500	0.0511	
						RPD = 3.83	
33 4,4'-DDT							
1	7.869	7.871	-0.002	87328350H	0.0500	0.0570	
2	7.838	7.841	-0.003	93349453H	0.0500	0.0549	
						RPD = 3.81	
34 Endosulfan sulfate							
1	7.997	7.998	-0.001	88401315H	0.0500	0.0533	
2	8.160	8.162	-0.002	84487452H	0.0500	0.0502	
						RPD = 5.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.334	8.336	-0.002	37882450H	0.0500	0.0559	
2	8.392	8.395	-0.003	38938235H	0.0500	0.0537	
						RPD = 4.05	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	-0.001	124404383H	0.1000	0.1000	
2	8.221	8.223	-0.002	142778769H	0.1000	0.1000	
37 Endrin ketone							
1	8.486	8.488	-0.002	81742474H	0.0500	0.0559	
2	8.755	8.756	-0.001	77658612H	0.0500	0.0542	
						RPD = 3.15	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTICVSTD_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

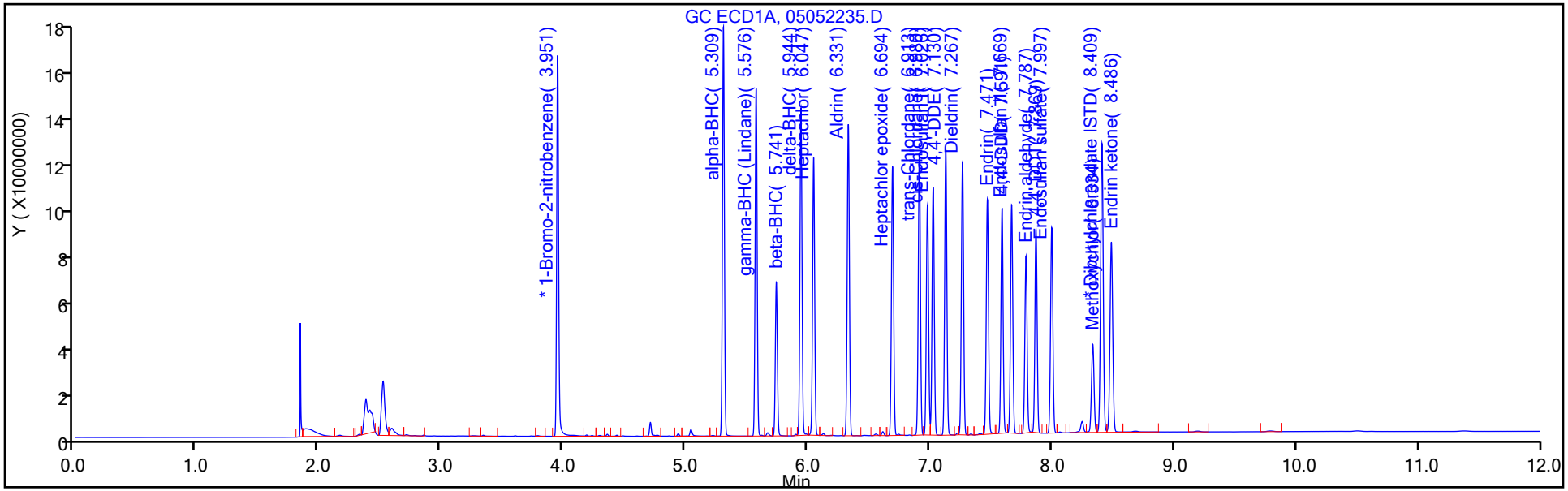
Report Date: 06-May-2022 06:41:18 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

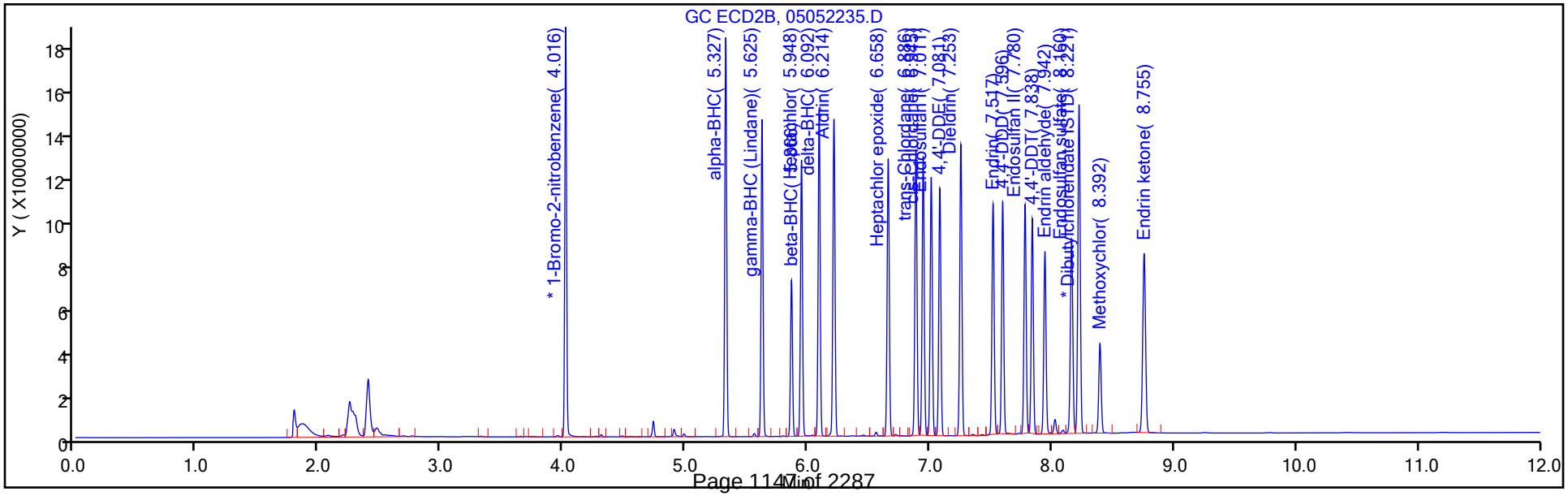
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052235.D

Injection Date:	05-May-2022 18:37:58	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/35 Calibration Date: 05/05/2022 18:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 05052235.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.862	1.947		0.0523	0.0500	4.6	20.0
gamma-BHC (Lindane)	Ave	1.568	1.547		0.0493	0.0500	-1.3	20.0
beta-BHC	Ave	0.7402	0.7617		0.0515	0.0500	2.9	20.0
Heptachlor	Ave	1.292	1.347		0.0521	0.0500	4.3	20.0
delta-BHC	Ave	1.495	1.594		0.0533	0.0500	6.6	20.0
Aldrin	Ave	1.446	1.547		0.0535	0.0500	7.0	20.0
Heptachlor epoxide	Ave	1.263	1.353		0.0535	0.0500	7.1	20.0
trans-Chlordane	Ave	1.299	1.393		0.0536	0.0500	7.2	20.0
cis-Chlordane	Ave	1.255	1.362		0.0542	0.0500	8.5	20.0
Endosulfan I	Ave	1.167	1.261		0.0540	0.0500	8.0	20.0
4,4'-DDE	Ave	1.596	1.506		0.0472	0.0500	-5.7	20.0
Dieldrin	Ave	1.685	1.773		0.0526	0.0500	5.2	20.0
Endrin	Ave	1.318	1.401		0.0531	0.0500	6.3	20.0
4,4'-DDD	Ave	1.312	1.411		0.0538	0.0500	7.5	20.0
Endosulfan II	Ave	1.235	1.392		0.0564	0.0500	12.8	20.0
4,4'-DDT	Ave	1.191	1.308		0.0549	0.0500	9.8	20.0
Endrin aldehyde	Ave	1.082	1.107		0.0511	0.0500	2.2	20.0
Endosulfan sulfate	Ave	1.178	1.183		0.0502	0.0500	0.5	20.0
Methoxychlor	Ave	0.5081	0.5454		0.0537	0.0500	7.3	20.0
Endrin ketone	Ave	1.004	1.088		0.0542	0.0500	8.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397721/35 Calibration Date: 05/05/2022 18:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 05052235.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.33	5.32	5.34
gamma-BHC (Lindane)	5.63	5.62	5.64
beta-BHC	5.87	5.86	5.88
Heptachlor	5.95	5.94	5.96
delta-BHC	6.09	6.08	6.10
Aldrin	6.21	6.21	6.23
Heptachlor epoxide	6.66	6.65	6.67
trans-Chlordane	6.89	6.88	6.90
cis-Chlordane	6.95	6.94	6.96
Endosulfan I	7.01	7.00	7.02
4,4'-DDE	7.08	7.07	7.09
Dieldrin	7.25	7.25	7.27
Endrin	7.52	7.51	7.53
4,4'-DDD	7.60	7.59	7.61
Endosulfan II	7.78	7.77	7.79
4,4'-DDT	7.84	7.83	7.85
Endrin aldehyde	7.94	7.93	7.95
Endosulfan sulfate	8.16	8.15	8.17
Methoxychlor	8.39	8.39	8.41
Endrin ketone	8.76	8.75	8.77

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052235.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-May-2022 18:37:58 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042701-035
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 06:33:09 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 06:11:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.951	3.951	-0.001	163932047H	0.1000	0.1000	
2	4.016	4.017	-0.001	178009571H	0.1000	0.1000	
5 alpha-BHC							
1	5.309	5.310	-0.001	176169809H	0.0500	0.0534	
2	5.327	5.329	-0.002	173329679H	0.0500	0.0523	
						RPD = 2.10	
7 gamma-BHC (Lindane)							
1	5.576	5.578	-0.002	149576778H	0.0500	0.0528	
2	5.625	5.627	-0.002	137714804H	0.0500	0.0493	
						RPD = 6.68	
8 beta-BHC							
1	5.741	5.744	-0.003	66041665H	0.0500	0.0513	
2	5.866	5.867	-0.001	67798017H	0.0500	0.0515	
						RPD = 0.31	
10 delta-BHC							
1	5.944	5.946	-0.002	140975766H	0.0500	0.0525	
2	6.092	6.094	-0.002	141876326H	0.0500	0.0533	
						RPD = 1.59	
11 Heptachlor							
1	6.047	6.049	-0.002	119505856H	0.0500	0.0526	
2	5.948	5.949	-0.001	119927035H	0.0500	0.0521	
						RPD = 0.88	
13 Aldrin							
1	6.331	6.333	-0.002	134045388H	0.0500	0.0540	
2	6.214	6.216	-0.002	137706648H	0.0500	0.0535	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.694	6.696	-0.002	115740273H	0.0500	0.0539	
2	6.658	6.659	-0.001	120405944H	0.0500	0.0535	
						RPD = 0.62	
18 trans-Chlordane							
1	6.913	6.915	-0.002	121561070H	0.0500	0.0548	
2	6.886	6.887	-0.001	124016578H	0.0500	0.0536	
						RPD = 2.11	
20 cis-Chlordane							
1	6.980	6.981	-0.001	98869276H	0.0500	0.0472	
2	6.945	6.946	-0.001	121189832H	0.0500	0.0542	
						RPD = 13.88	
22 Endosulfan I							
1	7.026	7.029	-0.003	106568054H	0.0500	0.0534	
2	7.011	7.012	-0.001	112230603H	0.0500	0.0540	
						RPD = 1.13	
23 4,4'-DDE							
1	7.130	7.131	-0.001	123427432H	0.0500	0.0543	
2	7.081	7.083	-0.002	107500084H	0.0500	0.0472	
						RPD = 14.13	
26 Dieldrin							
1	7.267	7.269	-0.002	117597631H	0.0500	0.0530	
2	7.253	7.255	-0.002	126538533H	0.0500	0.0526	
						RPD = 0.84	
27 Endrin							
1	7.471	7.471	0.000	101029188H	0.0500	0.0550	
2	7.517	7.519	-0.002	100036969H	0.0500	0.0531	
						RPD = 3.45	
30 4,4'-DDD							
1	7.591	7.592	-0.001	96960854H	0.0500	0.0564	
2	7.596	7.598	-0.002	100719460H	0.0500	0.0538	
						RPD = 4.75	
31 Endosulfan II							
1	7.669	7.671	-0.002	98293820H	0.0500	0.0597	
2	7.780	7.781	-0.001	99387420H	0.0500	0.0564	
						RPD = 5.63	
32 Endrin aldehyde							
1	7.787	7.788	-0.001	76036607H	0.0500	0.0531	
2	7.942	7.944	-0.002	79000536H	0.0500	0.0511	
						RPD = 3.83	
33 4,4'-DDT							
1	7.869	7.871	-0.002	87328350H	0.0500	0.0570	
2	7.838	7.841	-0.003	93349453H	0.0500	0.0549	
						RPD = 3.81	
34 Endosulfan sulfate							
1	7.997	7.998	-0.001	88401315H	0.0500	0.0533	
2	8.160	8.162	-0.002	84487452H	0.0500	0.0502	
						RPD = 5.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.334	8.336	-0.002	37882450H	0.0500	0.0559	
2	8.392	8.395	-0.003	38938235H	0.0500	0.0537	
						RPD = 4.05	
* 36 Dibutylchlorendate ISTD							
1	8.409	8.410	-0.001	124404383H	0.1000	0.1000	
2	8.221	8.223	-0.002	142778769H	0.1000	0.1000	
37 Endrin ketone							
1	8.486	8.488	-0.002	81742474H	0.0500	0.0559	
2	8.755	8.756	-0.001	77658612H	0.0500	0.0542	
						RPD = 3.15	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTICVSTD_00027	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added:	0.02	Units: mL	Run Reagent

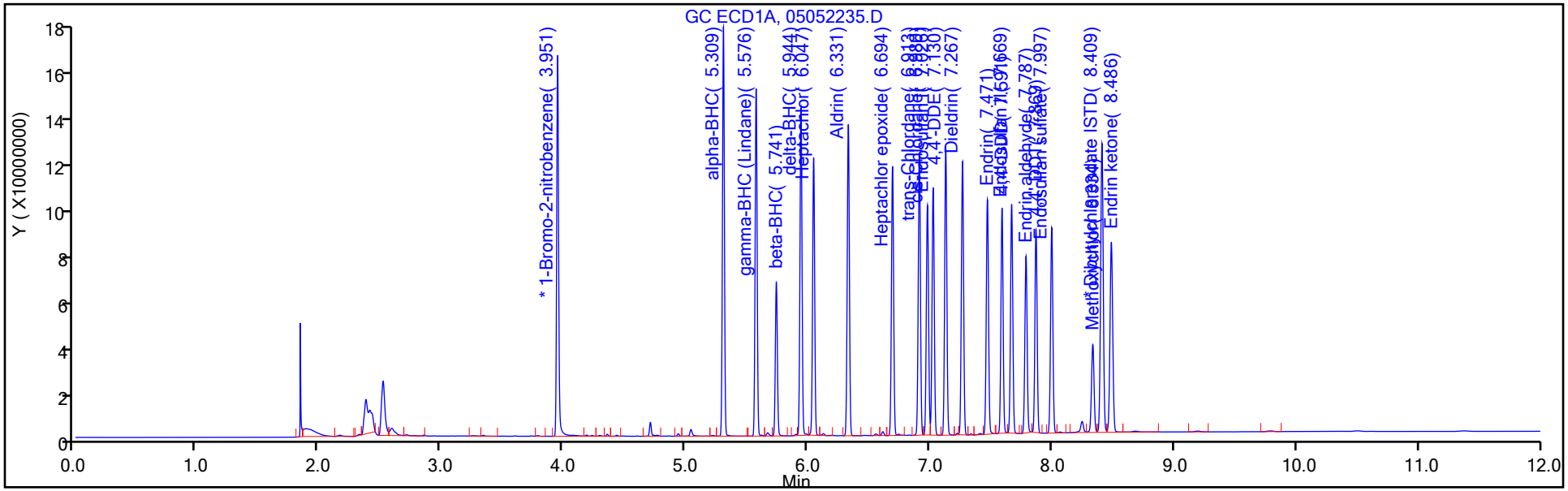
Report Date: 06-May-2022 06:41:18 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

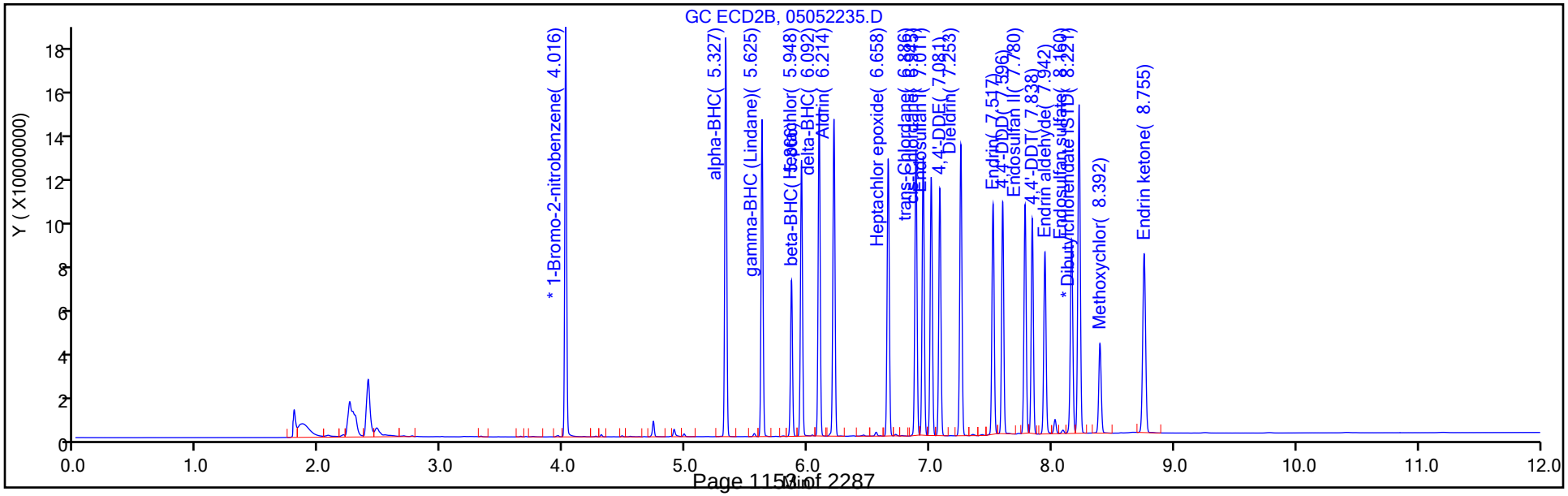
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052235.D

Injection Date:	05-May-2022 18:37:58	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397875/2 Calibration Date: 05/06/2022 08:28

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05062202.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0126	0.0149		1.18	1.00	18.3	20.0
Toxaphene Peak 2	Ave	0.0232	0.0268		1.15	1.00	15.3	20.0
Toxaphene Peak 3	Ave	0.0226	0.0261		1.15	1.00	15.3	20.0
Toxaphene Peak 4	Ave	0.0174	0.0204		1.18	1.00	17.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397875/2 Calibration Date: 05/06/2022 08:28

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05062202.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.18	7.17	7.19
Toxaphene Peak 2	7.71	7.70	7.72
Toxaphene Peak 3	7.91	7.89	7.91
Toxaphene Peak 4	7.99	7.97	7.99

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\05062202.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 06-May-2022 08:28:25 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042727-002
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 08:16:48 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 09:02:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.953	3.949	0.004	139097932H	0.1000	0.1000	
2	4.018	4.014	0.004	161689164H	0.1000	0.1000	
24 Toxaphene							
1	7.182	7.178	0.004	20659464H	1.00	1.18	
1	7.709	7.706	0.003	37275824H	1.00	1.15	
1	7.908	7.904	0.004	36316378H	1.00	1.15	
1	7.985	7.982	0.003	28415948H	1.00	1.18	
		Average of Peak Amounts =				1.17	
2	7.200	7.196	0.004	30784056H	1.00	1.28	
2	7.736	7.733	0.003	37085662H	1.00	1.21	
2	7.924	7.921	0.003	20949980H	1.00	1.11	
2	8.440	8.435	0.005	26495104H	1.00	1.18	
		Average of Peak Amounts =				1.20	
						RPD = 2.44	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.410	0.006	125074094H	0.1000	0.1000	
2	8.220	8.217	0.004	141161202H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXICV_00015	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

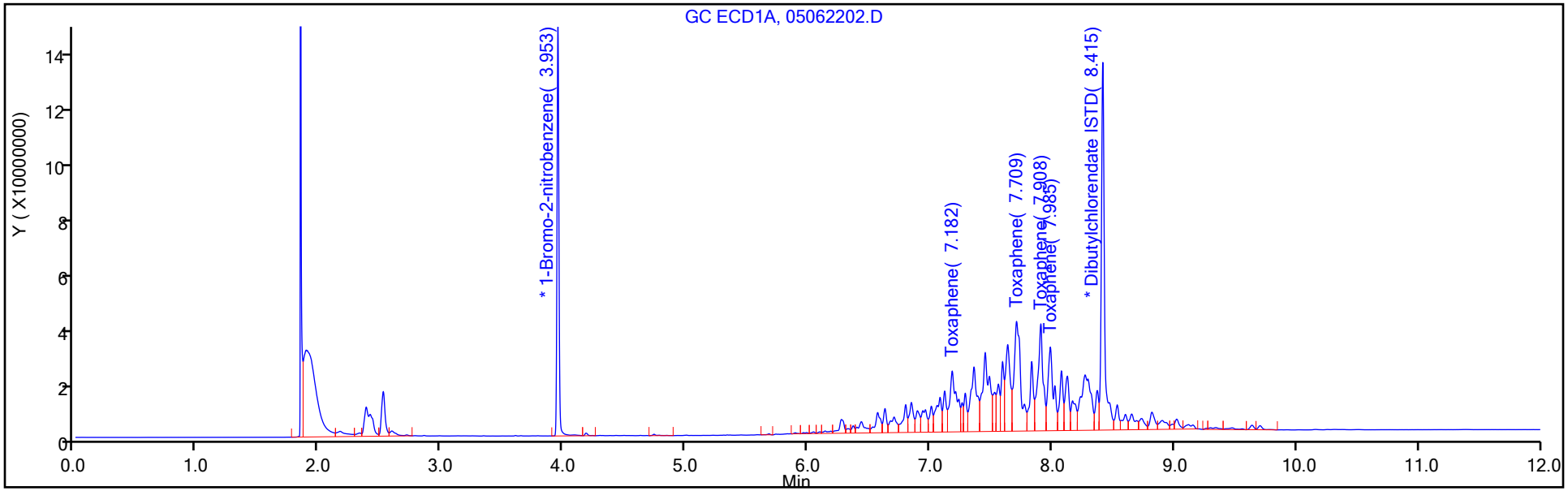
Report Date: 06-May-2022 10:21:36 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

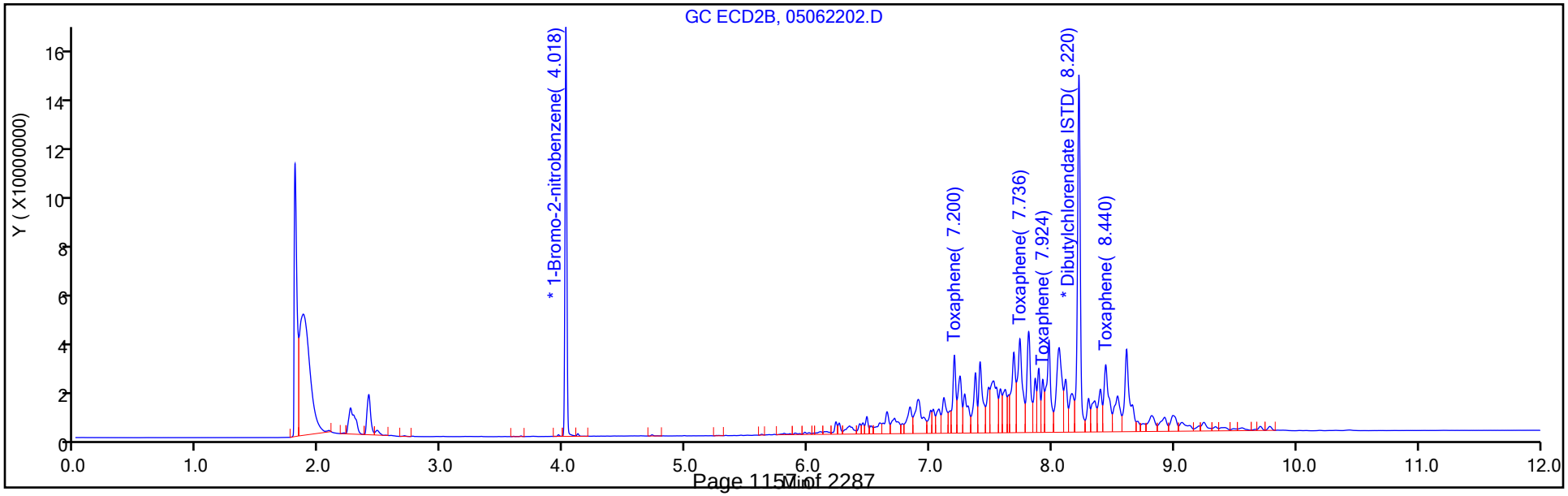
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\05062202.D

Injection Date:	06-May-2022 08:28:25	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397875/2 Calibration Date: 05/06/2022 08:28

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05062202.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0148	0.0190		1.28	1.00	28.5*	20.0
Toxaphene Peak 2	Ave	0.0190	0.0229		1.21	1.00	20.8*	20.0
Toxaphene Peak 3	Lin1		0.0130		1.11	1.00	10.9	20.0
Toxaphene Peak 4	Ave	0.0139	0.0164		1.18	1.00	18.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-397875/2 Calibration Date: 05/06/2022 08:28

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 05062202.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.20	7.19	7.21
Toxaphene Peak 2	7.74	7.72	7.74
Toxaphene Peak 3	7.92	7.91	7.93
Toxaphene Peak 4	8.44	8.43	8.45

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\05062202.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 06-May-2022 08:28:25 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0042727-002
Operator ID: Instrument ID: CHGC17
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 06-May-2022 08:16:48 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: eppinged Date: 06-May-2022 09:02:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	3.953	3.949	0.004	139097932H	0.1000	0.1000	
2	4.018	4.014	0.004	161689164H	0.1000	0.1000	
24 Toxaphene							
1	7.182	7.178	0.004	20659464H	1.00	1.18	
1	7.709	7.706	0.003	37275824H	1.00	1.15	
1	7.908	7.904	0.004	36316378H	1.00	1.15	
1	7.985	7.982	0.003	28415948H	1.00	1.18	
		Average of Peak Amounts =				1.17	
2	7.200	7.196	0.004	30784056H	1.00	1.28	
2	7.736	7.733	0.003	37085662H	1.00	1.21	
2	7.924	7.921	0.003	20949980H	1.00	1.11	
2	8.440	8.435	0.005	26495104H	1.00	1.18	
		Average of Peak Amounts =				1.20	
						RPD = 2.44	
* 36 Dibutylchlorendate ISTD							
1	8.415	8.410	0.006	125074094H	0.1000	0.1000	
2	8.220	8.217	0.004	141161202H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCTOXICV_00015	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00027	Amount Added: 0.02	Units: mL	Run Reagent

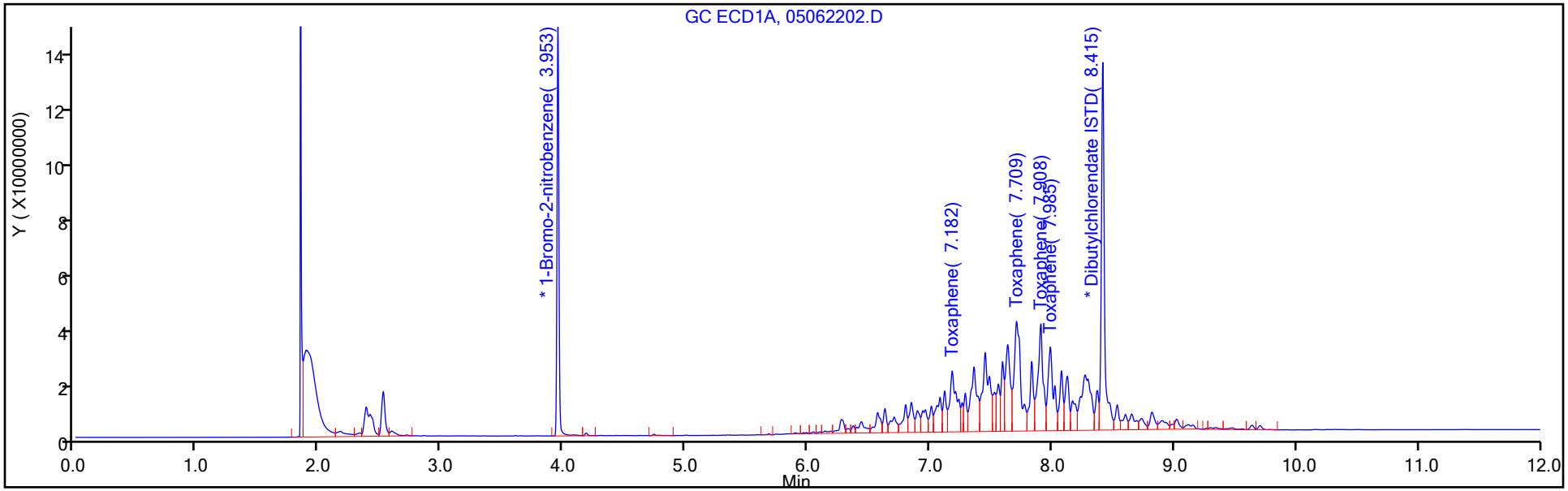
Report Date: 06-May-2022 10:21:37 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Pittsburgh

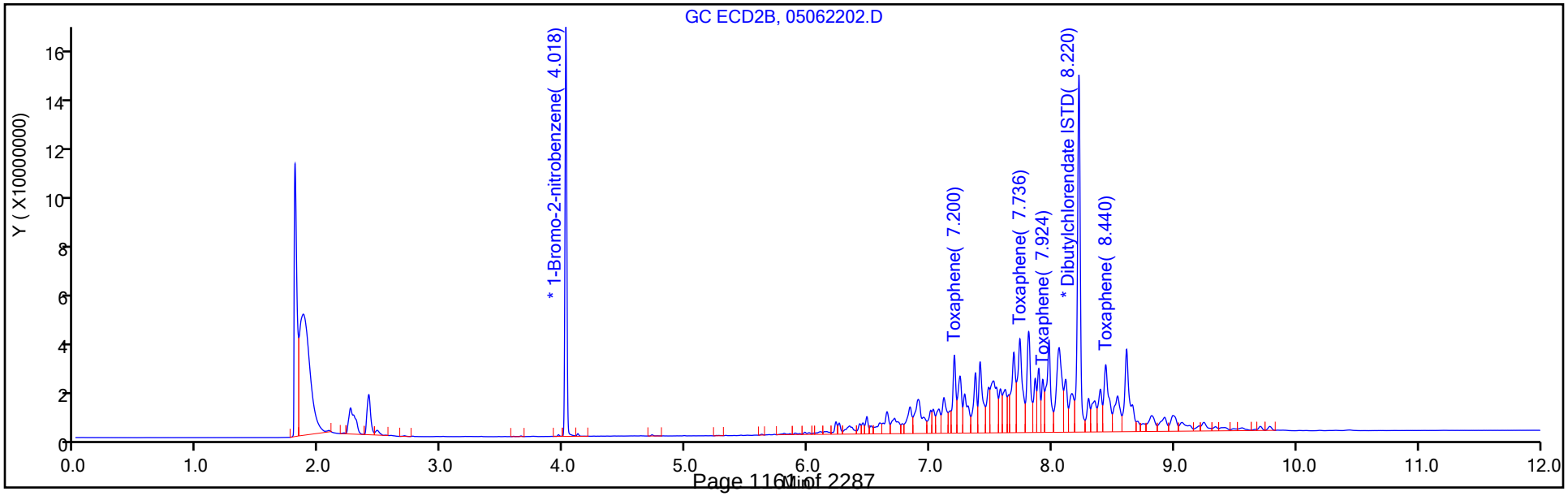
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220506-42727.b\05062202.D

Injection Date:	06-May-2022 08:28:25	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/2 Calibration Date: 08/12/2022 11:33

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 08122207.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0512	0.0603		0.295	0.250	17.9	20.0
Chlordane (technical) Peak 2	Ave	0.0635	0.0813		0.320	0.250	28.0*	20.0
Chlordane (technical) Peak 3	Ave	0.1985	0.2487		0.313	0.250	25.3*	20.0
Chlordane (technical) Peak 4	Ave	0.2126	0.2469		0.290	0.250	16.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/2 Calibration Date: 08/12/2022 11:33

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 08122207.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.93	5.91	5.93
Chlordane (technical) Peak 2	6.10	6.08	6.10
Chlordane (technical) Peak 3	6.96	6.94	6.96
Chlordane (technical) Peak 4	7.03	7.01	7.03

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122207.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 12-Aug-2022 11:33:39 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-002
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 13:00:40 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 13:00:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.027	4.025	0.001	178885352H	0.1000	0.1000	
2	4.050	4.049	0.001	162595408H	0.1000	0.1000	
9 Chlordane (technical)							
1	5.931	5.921	0.010	26984043H	0.2500	0.2946	
1	6.104	6.094	0.010	36367475H	0.2500	0.3199	
1	6.964	6.954	0.010	111240746H	0.2500	0.3132	
1	7.032	7.023	0.009	110404396H	0.2500	0.2903	
		Average of Peak Amounts =				0.3045	
2	5.960	5.952	0.008	29415055H	0.2500	0.3025	
2	6.309	6.301	0.008	19050569H	0.2500	0.3060	
2	6.905	6.897	0.008	90167175H	0.2500	0.3421	
2	6.949	6.941	0.008	56109197H	0.2500	0.3062	
		Average of Peak Amounts =				0.3142	
						RPD = 3.13	
* 36 Dibutylchlorendate ISTD							
1	8.451	8.451	-0.001	123321082H	0.1000	0.1000	
2	8.212	8.211	0.000	117504975H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCCHLORLEVEL3_00033	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

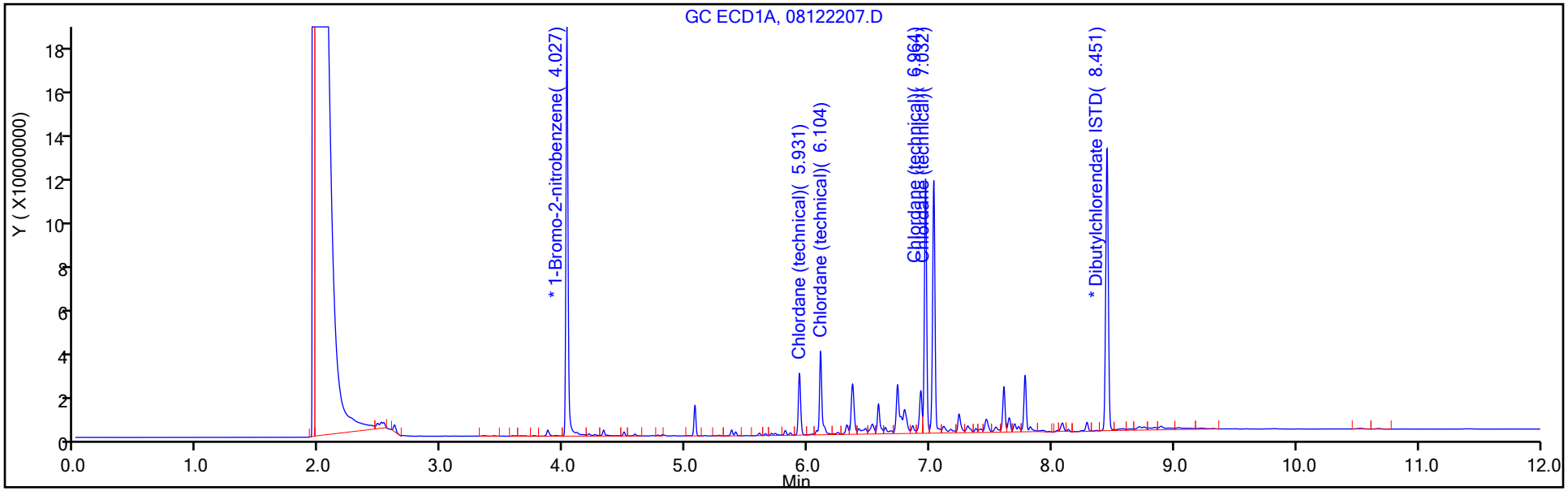
Report Date: 13-Aug-2022 13:00:40 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

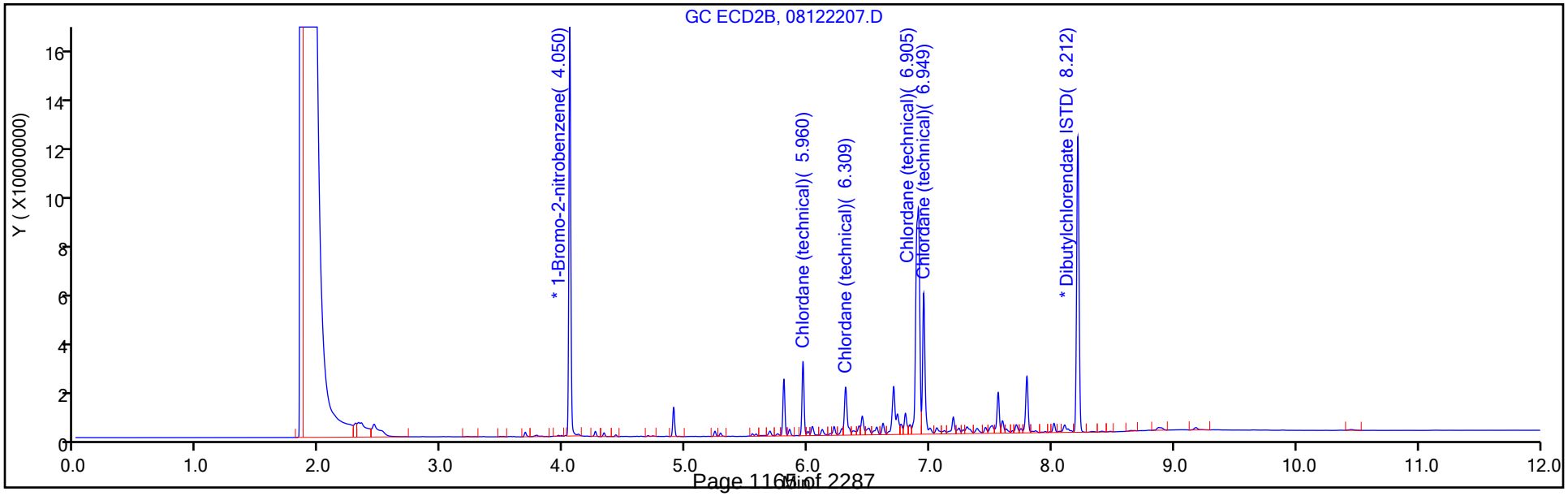
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122207.D

Injection Date:	12-Aug-2022 11:33:39	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/2 Calibration Date: 08/12/2022 11:33

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 08122207.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0598	0.0724		0.303	0.250	21.0*	20.0
Chlordane (technical) Peak 2	Ave	0.0383	0.0469		0.306	0.250	22.4*	20.0
Chlordane (technical) Peak 3	Ave	0.1621	0.2218		0.342	0.250	36.8*	20.0
Chlordane (technical) Peak 4	Ave	0.1127	0.1380		0.306	0.250	22.5*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/2 Calibration Date: 08/12/2022 11:33

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 11:13

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 12:16

Lab File ID: 08122207.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.96	5.94	5.96
Chlordane (technical) Peak 2	6.31	6.29	6.31
Chlordane (technical) Peak 3	6.91	6.89	6.91
Chlordane (technical) Peak 4	6.95	6.93	6.95

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122207.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 12-Aug-2022 11:33:39 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-002
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub2

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 13-Aug-2022 13:00:40 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: FM8W Date: 13-Aug-2022 13:00:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.027	4.025	0.001	178885352H	0.1000	0.1000	
2	4.050	4.049	0.001	162595408H	0.1000	0.1000	
9 Chlordane (technical)							
1	5.931	5.921	0.010	26984043H	0.2500	0.2946	
1	6.104	6.094	0.010	36367475H	0.2500	0.3199	
1	6.964	6.954	0.010	111240746H	0.2500	0.3132	
1	7.032	7.023	0.009	110404396H	0.2500	0.2903	
		Average of Peak Amounts =				0.3045	
2	5.960	5.952	0.008	29415055H	0.2500	0.3025	
2	6.309	6.301	0.008	19050569H	0.2500	0.3060	
2	6.905	6.897	0.008	90167175H	0.2500	0.3421	
2	6.949	6.941	0.008	56109197H	0.2500	0.3062	
		Average of Peak Amounts =				0.3142	
						RPD = 3.13	
* 36 Dibutylchlorendate ISTD							
1	8.451	8.451	-0.001	123321082H	0.1000	0.1000	
2	8.212	8.211	0.000	117504975H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCCHLORLEVEL3_00033	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

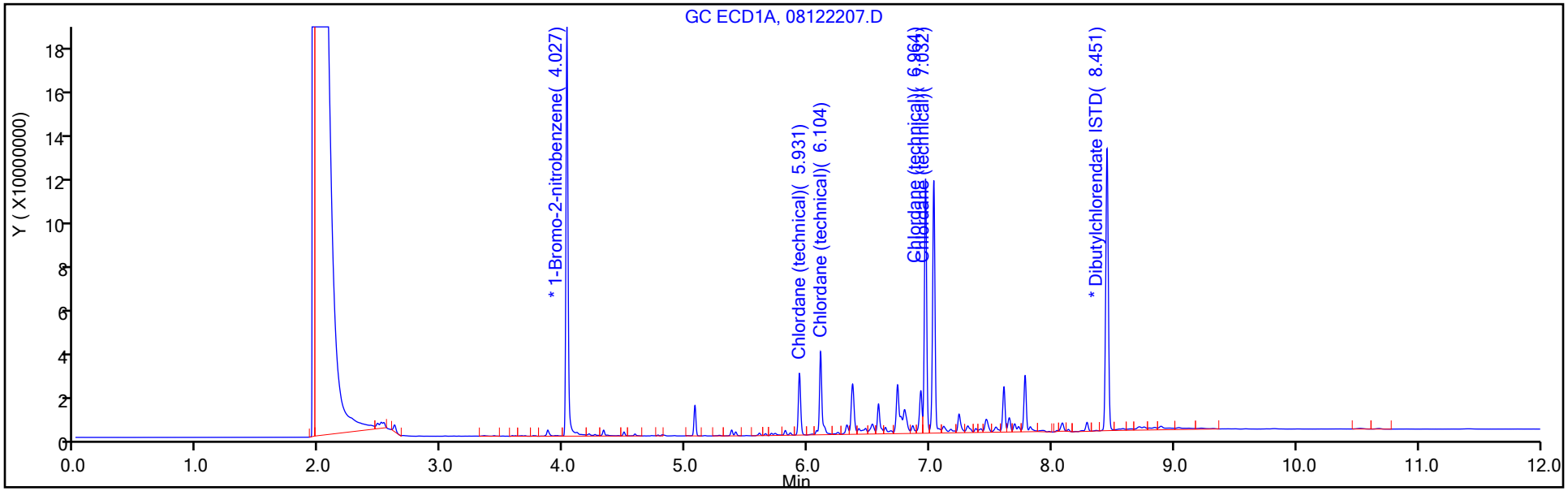
Report Date: 13-Aug-2022 13:00:41 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

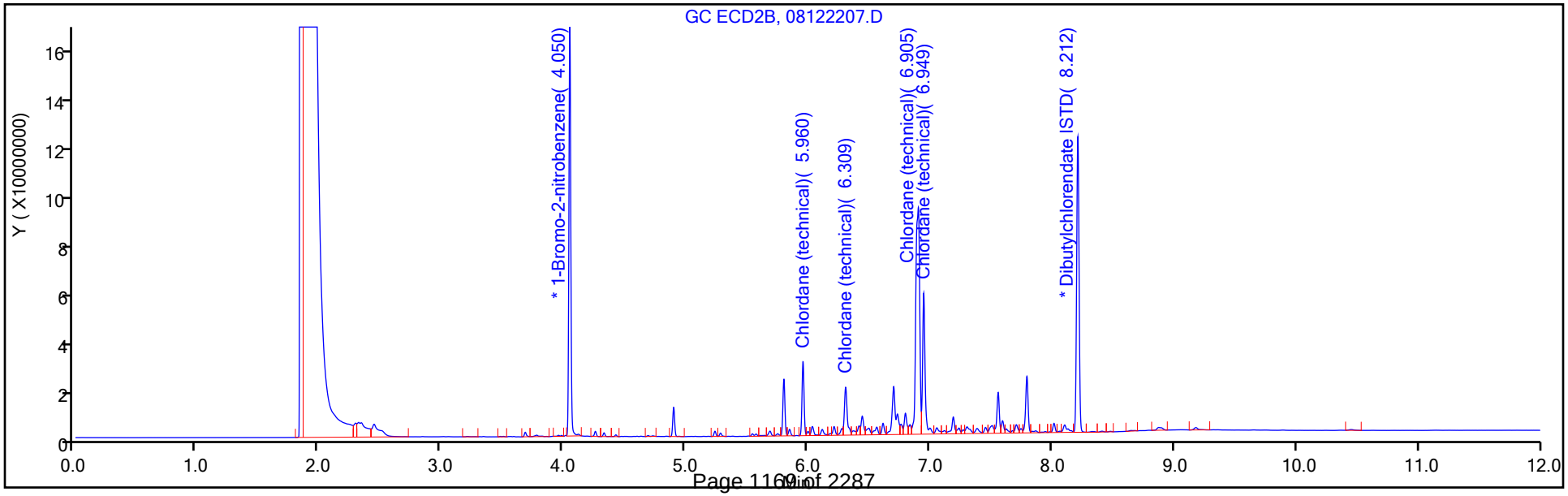
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122207.D

Injection Date:	12-Aug-2022 11:33:39	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/3 Calibration Date: 08/12/2022 11:49

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 08122208.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0126	0.0115		0.915	1.00	-8.5	20.0
Toxaphene Peak 2	Ave	0.0232	0.0201		0.865	1.00	-13.5	20.0
Toxaphene Peak 3	Ave	0.0226	0.0197		0.871	1.00	-12.9	20.0
Toxaphene Peak 4	Ave	0.0174	0.0157		0.904	1.00	-9.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/3 Calibration Date: 08/12/2022 11:49

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 08122208.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.22	7.21	7.23
Toxaphene Peak 2	7.75	7.74	7.76
Toxaphene Peak 3	7.94	7.94	7.96
Toxaphene Peak 4	8.02	8.02	8.04

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 12-Aug-2022 11:49:34 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-003
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 12:32:08 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 12:32:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.026	4.026	0.000	180475043H	0.1000	0.1000	
2	4.049	4.050	0.000	167531219H	0.1000	0.1000	
24 Toxaphene							M
1	7.224	7.224	0.000	20734739H	1.00	0.9151	M
1	7.749	7.750	-0.001	36275283H	1.00	0.8649	M
1	7.944	7.946	-0.002	35585075H	1.00	0.8707	M
1	8.024	8.025	-0.001	28338323H	1.00	0.9042	M
		Average of Peak Amounts =				0.8887	
2	7.202	7.204	-0.002	21328480H	1.00	0.8591	M
2	7.736	7.738	-0.002	27138322H	1.00	0.8529	M
2	7.922	7.925	-0.003	15930215H	1.00	0.8079	M
2	8.433	8.437	-0.004	20332781H	1.00	0.8740	M
		Average of Peak Amounts =				0.8485	
						RPD = 4.63	
* 36 Dibutylchlorendate ISTD							sM
1	8.450	8.451	-0.001	149357235H	0.1000	0.1000	M
2	8.210	8.215	-0.005	133101742H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXLEVEL3_00035	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

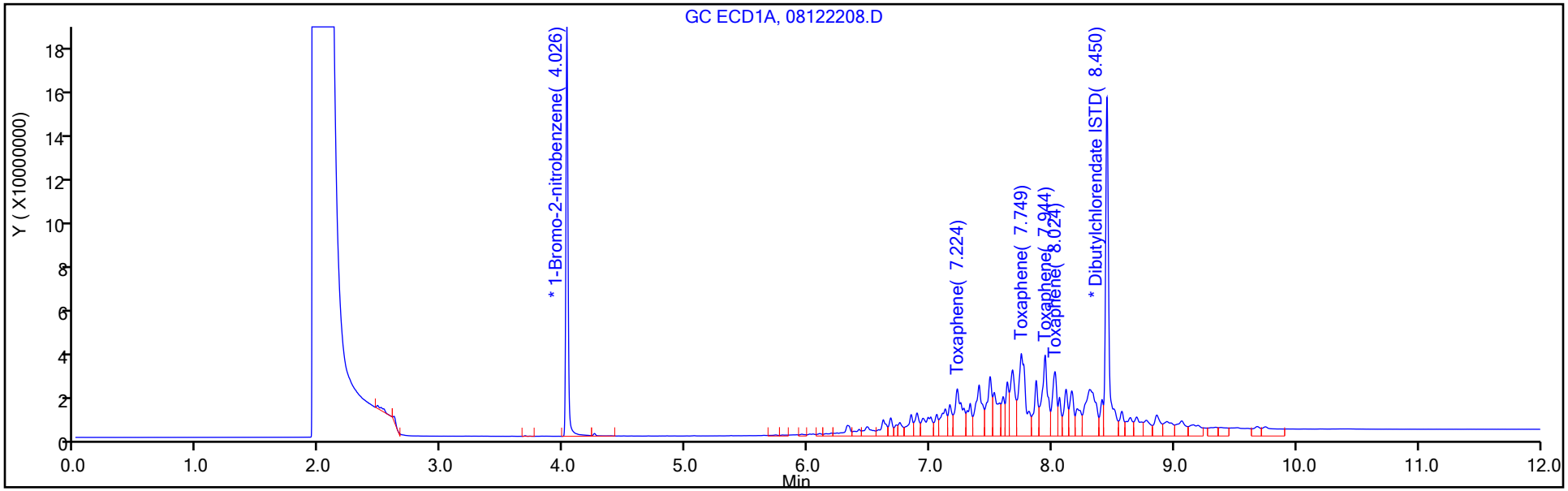
Report Date: 12-Aug-2022 12:32:08 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

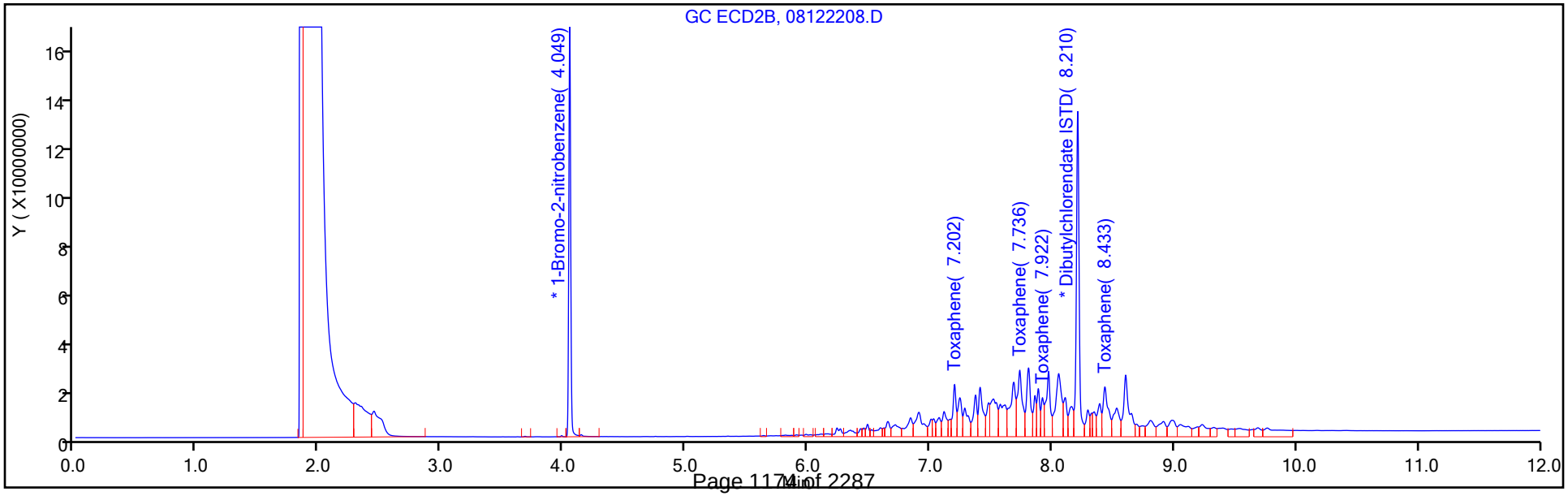
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D

Injection Date:	12-Aug-2022 11:49:34	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Report Date: 12-Aug-2022 12:32:08 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D

Injection Date: 12-Aug-2022 11:49:34 Instrument ID: CHGC17

Lims ID: CCV

Client ID:

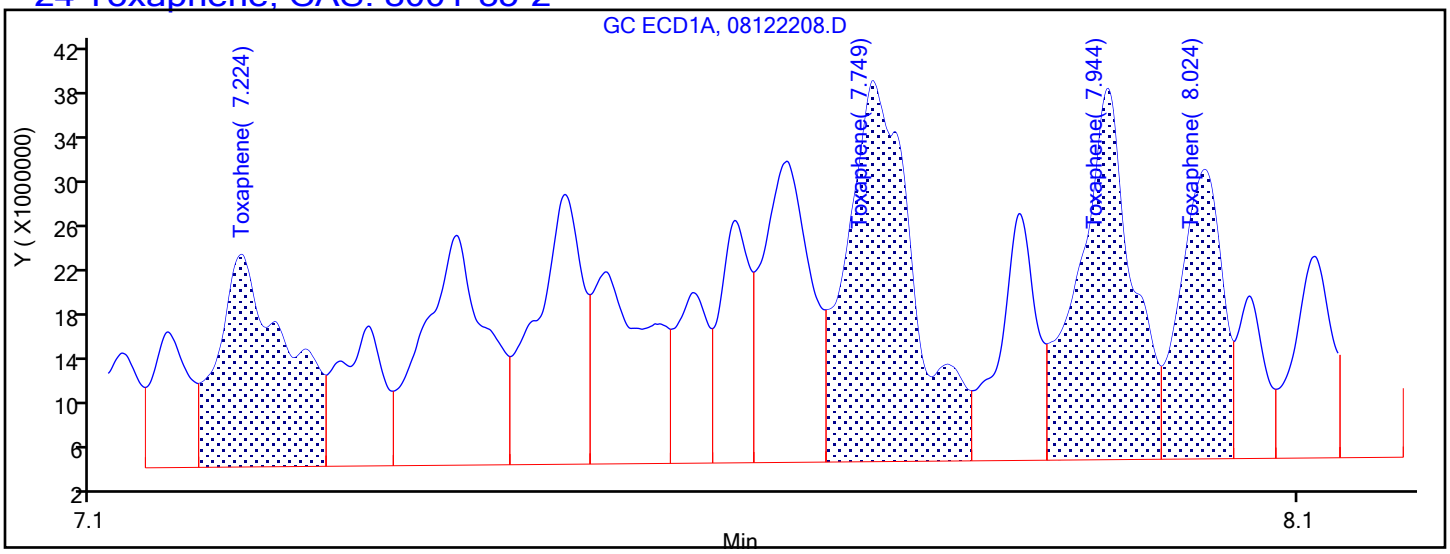
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

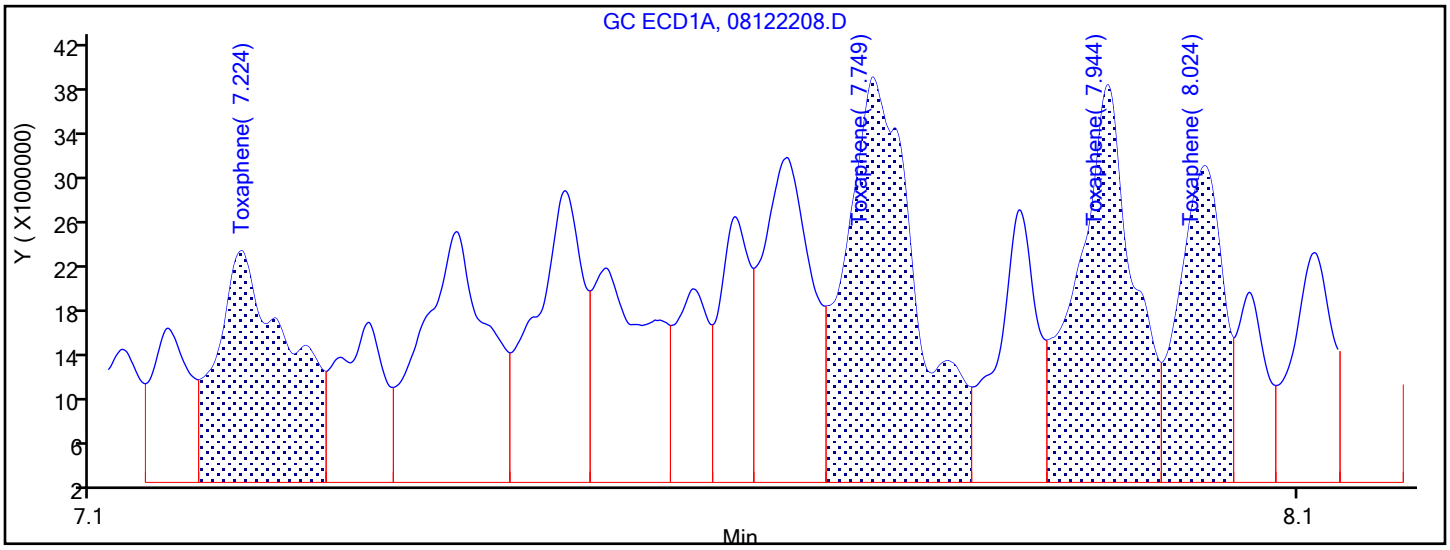
Column: MR-1 (0.53 mm) Detector GC ECD1A

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

7.224	Response = 19021305
7.749	Response = 34084652
7.944	Response = 33216918
8.024	Response = 25897335



Manual Integration Results

7.224	Response = 20734739	M
7.749	Response = 36275283	M
7.944	Response = 35585075	M
8.024	Response = 28338323	M

Reviewer: FM8W, 12-Aug-2022 12:10:52

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/3 Calibration Date: 08/12/2022 11:49

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 08122208.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0148	0.0127		0.859	1.00	-14.1	20.0
Toxaphene Peak 2	Ave	0.0190	0.0162		0.853	1.00	-14.7	20.0
Toxaphene Peak 3	Lin1		0.0095		0.808	1.00	-19.2	20.0
Toxaphene Peak 4	Ave	0.0139	0.0121		0.874	1.00	-12.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408450/3 Calibration Date: 08/12/2022 11:49

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 09:53

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 10:57

Lab File ID: 08122208.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	7.20	7.19	7.21
Toxaphene Peak 2	7.74	7.73	7.75
Toxaphene Peak 3	7.92	7.92	7.94
Toxaphene Peak 4	8.43	8.43	8.45

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 12-Aug-2022 11:49:34 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-003
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub1

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 12:32:08 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 12:32:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.026	4.026	0.000	180475043H	0.1000	0.1000	
2	4.049	4.050	0.000	167531219H	0.1000	0.1000	
24 Toxaphene							M
1	7.224	7.224	0.000	20734739H	1.00	0.9151	M
1	7.749	7.750	-0.001	36275283H	1.00	0.8649	M
1	7.944	7.946	-0.002	35585075H	1.00	0.8707	M
1	8.024	8.025	-0.001	28338323H	1.00	0.9042	M
		Average of Peak Amounts =				0.8887	
2	7.202	7.204	-0.002	21328480H	1.00	0.8591	M
2	7.736	7.738	-0.002	27138322H	1.00	0.8529	M
2	7.922	7.925	-0.003	15930215H	1.00	0.8079	M
2	8.433	8.437	-0.004	20332781H	1.00	0.8740	M
		Average of Peak Amounts =				0.8485	
						RPD = 4.63	
* 36 Dibutylchlorendate ISTD							sM
1	8.450	8.451	-0.001	149357235H	0.1000	0.1000	M
2	8.210	8.215	-0.005	133101742H	0.1000	0.1000	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCTOXLEVEL3_00035	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

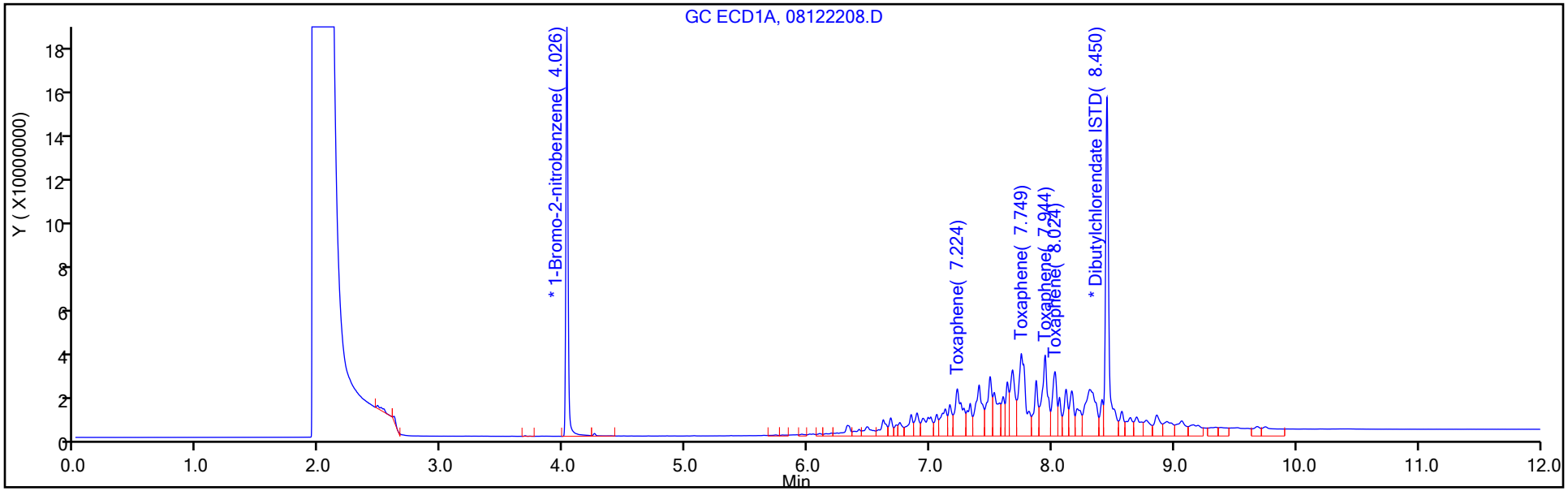
Report Date: 12-Aug-2022 12:32:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

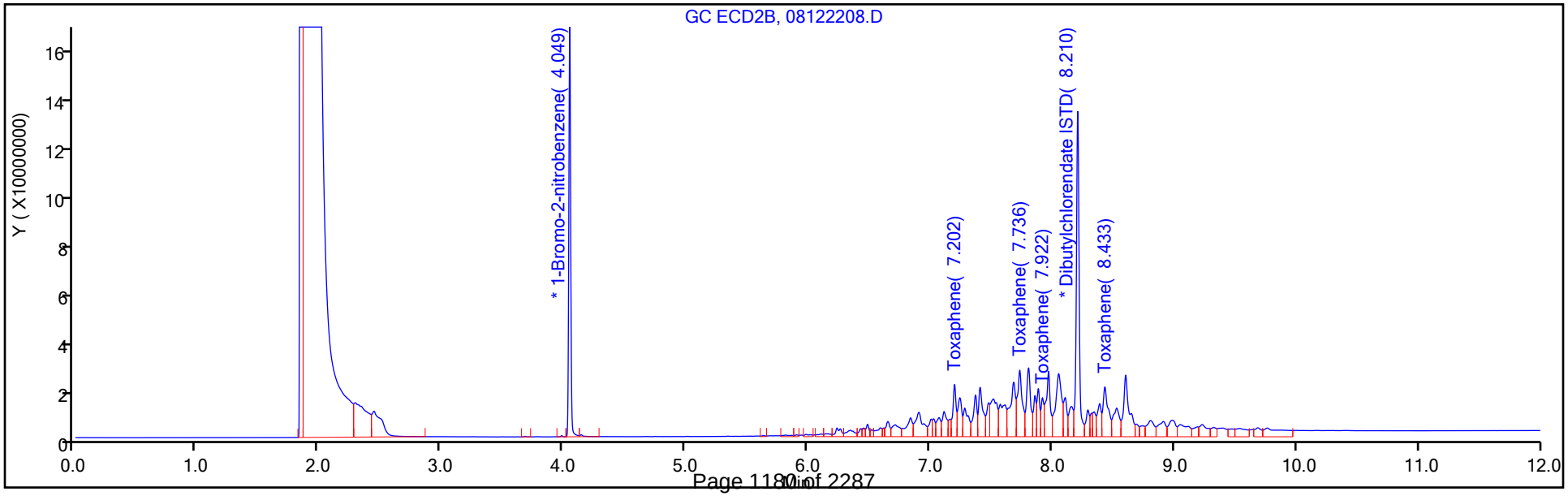
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D

Injection Date:	12-Aug-2022 11:49:34	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)

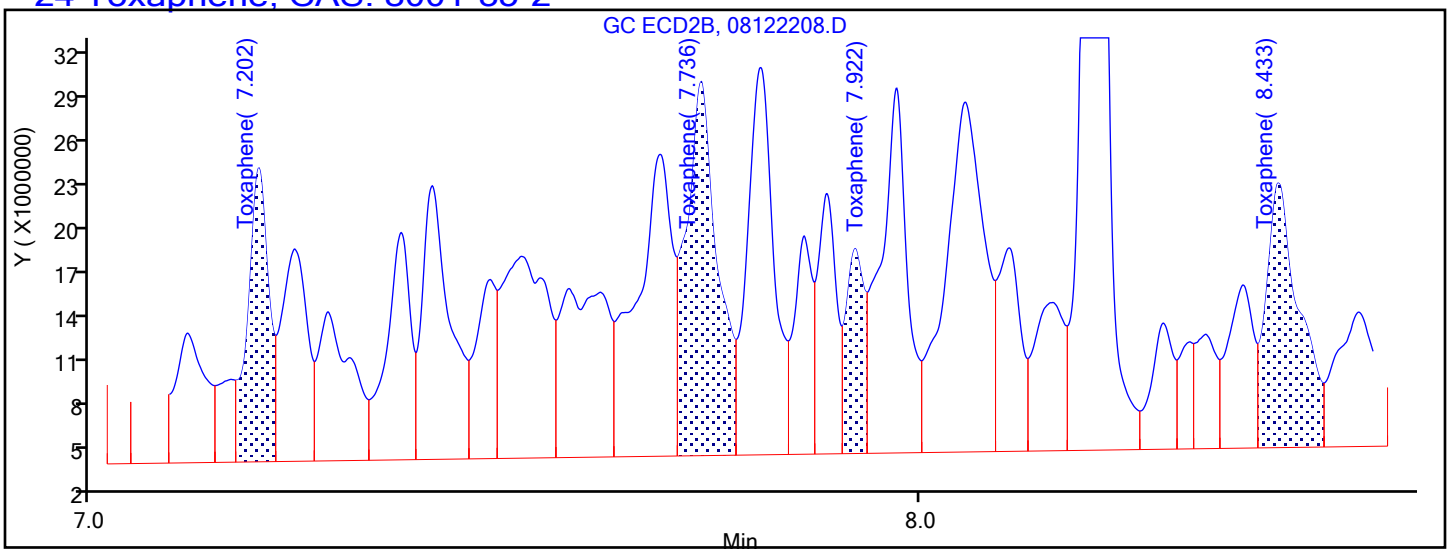


Report Date: 12-Aug-2022 12:32:09 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

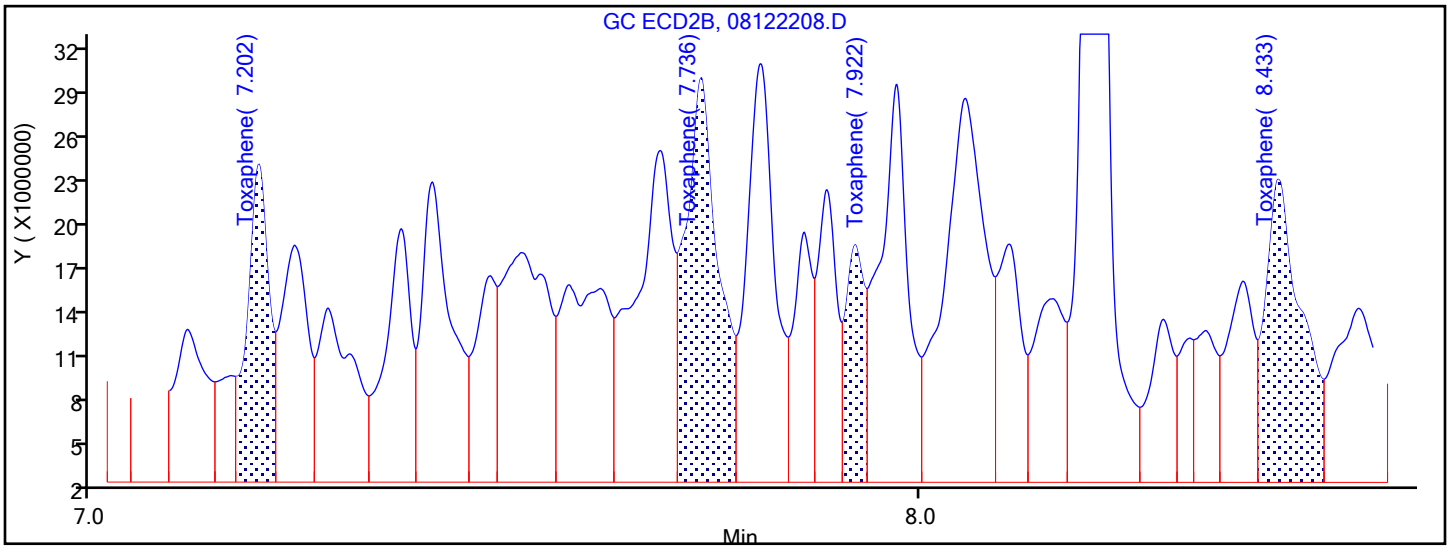
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122208.D
Injection Date: 12-Aug-2022 11:49:34 Instrument ID: CHGC17
Lims ID: CCV
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS
Column: MR-2 (0.53 mm) Detector GC ECD2B

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

7.202	Response = 19713344
7.736	Response = 25102783
7.922	Response = 13748420
8.433	Response = 17748947



Manual Integration Results

7.202	Response = 21328480	M
7.736	Response = 27138322	M
7.922	Response = 15930215	M
8.433	Response = 20332781	M

Reviewer: FM8W, 12-Aug-2022 12:10:58
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408450/6 Calibration Date: 08/12/2022 12:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	2.012	1.744		0.0217	0.0250	-13.3	20.0
gamma-BHC (Lindane)	Ave	1.730	1.466		0.0212	0.0250	-15.2	20.0
beta-BHC	Ave	0.7854	0.6174		0.0197	0.0250	-21.4*	20.0
delta-BHC	Ave	1.639	1.225		0.0187	0.0250	-25.2*	20.0
Heptachlor	Ave	1.386	1.266		0.0228	0.0250	-8.6	20.0
Aldrin	Ave	1.514	1.296		0.0214	0.0250	-14.4	20.0
Heptachlor epoxide	Ave	1.310	1.126		0.0215	0.0250	-14.1	20.0
trans-Chlordane	Ave	1.354	1.101		0.0203	0.0250	-18.7	20.0
cis-Chlordane	Ave	1.278	1.094		0.0214	0.0250	-14.4	20.0
Endosulfan I	Ave	1.217	1.007		0.0207	0.0250	-17.3	20.0
4,4'-DDE	Ave	1.826	1.474		0.0202	0.0250	-19.3	20.0
Dieldrin	Ave	1.782	1.573		0.0221	0.0250	-11.8	20.0
Endrin	Ave	1.476	1.322		0.0224	0.0250	-10.4	20.0
4,4'-DDD	Ave	1.383	1.158		0.0209	0.0250	-16.2	20.0
Endosulfan II	Ave	1.325	1.150		0.0217	0.0250	-13.2	20.0
Endrin aldehyde	Ave	1.151	0.9507		0.0207	0.0250	-17.4	20.0
4,4'-DDT	Ave	1.231	1.101		0.0224	0.0250	-10.5	20.0
Endosulfan sulfate	Ave	1.333	1.129		0.0212	0.0250	-15.3	20.0
Methoxychlor	Ave	0.5448	0.4974		0.0228	0.0250	-8.7	20.0
Endrin ketone	Ave	1.175	1.052		0.0224	0.0250	-10.5	20.0
Tetrachloro-m-xylene (Surr)	Ave	1.563	1.316		0.0211	0.0250	-15.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.6200	0.5336		0.0215	0.0250	-13.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408450/6 Calibration Date: 08/12/2022 12:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.37	5.36	5.38
gamma-BHC (Lindane)	5.64	5.63	5.65
beta-BHC	5.80	5.79	5.81
delta-BHC	6.01	6.00	6.02
Heptachlor	6.10	6.09	6.11
Aldrin	6.39	6.38	6.40
Heptachlor epoxide	6.75	6.74	6.76
trans-Chlordane	6.96	6.95	6.97
cis-Chlordane	7.03	7.02	7.04
Endosulfan I	7.08	7.07	7.09
4,4'-DDE	7.18	7.17	7.19
Dieldrin	7.32	7.31	7.33
Endrin	7.52	7.51	7.53
4,4'-DDD	7.64	7.63	7.65
Endosulfan II	7.72	7.71	7.73
Endrin aldehyde	7.83	7.82	7.84
4,4'-DDT	7.91	7.90	7.92
Endosulfan sulfate	8.05	8.04	8.06
Methoxychlor	8.38	8.37	8.39
Endrin ketone	8.54	8.53	8.55
Tetrachloro-m-xylene (Surr)	5.01	5.00	5.02
DCB Decachlorobiphenyl (Surr)	10.42	10.41	10.43

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122211.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Aug-2022 12:37:04 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-006
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:44:50 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 13:10:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.025	4.025	0.000	172886646H	0.1000	0.1000	
2	4.049	4.049	0.000	160141033H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.005	5.005	0.000	56874690H	0.0250	0.0211	
2	4.895	4.895	0.000	48276769H	0.0250	0.0199	
						RPD = 5.82	
5 alpha-BHC							
1	5.370	5.370	0.000	75376121H	0.0250	0.0217	
2	5.345	5.345	0.000	64498478H	0.0250	0.0216	
						RPD = 0.17	
7 gamma-BHC (Lindane)							
1	5.637	5.637	0.000	63370528H	0.0250	0.0212	
2	5.641	5.641	0.000	52990624H	0.0250	0.0211	
						RPD = 0.41	
8 beta-BHC							
1	5.804	5.804	0.000	26686104H	0.0250	0.0197	
2	5.882	5.882	0.000	23701548H	0.0250	0.0200	
						RPD = 1.72	
10 delta-BHC							
1	6.005	6.005	0.000	52967219H	0.0250	0.0187	
2	6.106	6.106	0.000	47799244H	0.0250	0.0200	
						RPD = 6.58	
11 Heptachlor							
1	6.104	6.104	0.000	54735430H	0.0250	0.0228	
2	5.960	5.960	0.000	45750959H	0.0250	0.0221	
						RPD = 3.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.385	6.385	0.000	56017364H	0.0250	0.0214	
2	6.224	6.224	0.000	48671086H	0.0250	0.0210	
						RPD = 1.79	
16 Heptachlor epoxide							
1	6.745	6.745	0.000	48659247H	0.0250	0.0215	
2	6.665	6.665	0.000	42420986H	0.0250	0.0210	
						RPD = 2.40	
18 trans-Chlordane							
1	6.963	6.963	0.000	47574174H	0.0250	0.0203	
2	6.890	6.890	0.000	42174494H	0.0250	0.0203	
						RPD = 0.26	
20 cis-Chlordane							
1	7.030	7.030	0.000	47285047H	0.0250	0.0214	
2	6.949	6.949	0.000	40432506H	0.0250	0.0201	
						RPD = 6.21	
22 Endosulfan I							
1	7.076	7.076	0.000	43526312H	0.0250	0.0207	
2	7.015	7.015	0.000	37948027H	0.0250	0.0203	
						RPD = 1.87	
23 4,4'-DDE							
1	7.178	7.178	0.000	44706587H	0.0250	0.0202	
2	7.083	7.083	0.000	39626239H	0.0250	0.0218	
						RPD = 7.78	
26 Dieldrin							
1	7.315	7.315	0.000	47703259H	0.0250	0.0221	
2	7.255	7.255	0.000	42122315H	0.0250	0.0220	
						RPD = 0.42	
27 Endrin							
1	7.517	7.517	0.000	40109382H	0.0250	0.0224	
2	7.517	7.517	0.000	33967883H	0.0250	0.0226	
						RPD = 1.11	
30 4,4'-DDD							
1	7.637	7.637	0.000	35130910H	0.0250	0.0209	
2	7.595	7.595	0.000	32079381H	0.0250	0.0215	
						RPD = 2.55	
31 Endosulfan II							
1	7.716	7.716	0.000	34876440H	0.0250	0.0217	
2	7.780	7.780	0.000	30909474H	0.0250	0.0220	
						RPD = 1.38	
32 Endrin aldehyde							
1	7.834	7.834	0.000	28838516H	0.0250	0.0207	
2	7.941	7.941	0.000	25190036H	0.0250	0.0204	
						RPD = 1.00	
33 4,4'-DDT							
1	7.912	7.912	0.000	33409486H	0.0250	0.0224	
2	7.835	7.835	0.000	30524207H	0.0250	0.0225	
						RPD = 0.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.045	8.045	0.000	34248492H	0.0250	0.0212	
2	8.158	8.158	0.000	28463293H	0.0250	0.0212	
						RPD = 0.24	
35 Methoxychlor							
1	8.378	8.378	0.000	15087402H	0.0250	0.0228	
2	8.385	8.385	0.000	13297060H	0.0250	0.0230	
						RPD = 0.76	
* 36 Dibutylchlorendate ISTD							
1	8.451	8.451	0.000	121335064H	0.1000	0.1000	
2	8.211	8.211	0.000	113799498H	0.1000	0.1000	
37 Endrin ketone							
1	8.536	8.536	0.000	31907580H	0.0250	0.0224	
2	8.748	8.748	0.000	26009378H	0.0250	0.0228	
						RPD = 1.72	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.416	10.416	0.000	16185486H	0.0250	0.0215	
2	10.374	10.374	0.000	14708586H	0.0250	0.0235	
						RPD = 8.82	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL3_00047	Amount Added: 1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added: 0.02	Units: mL	Run Reagent

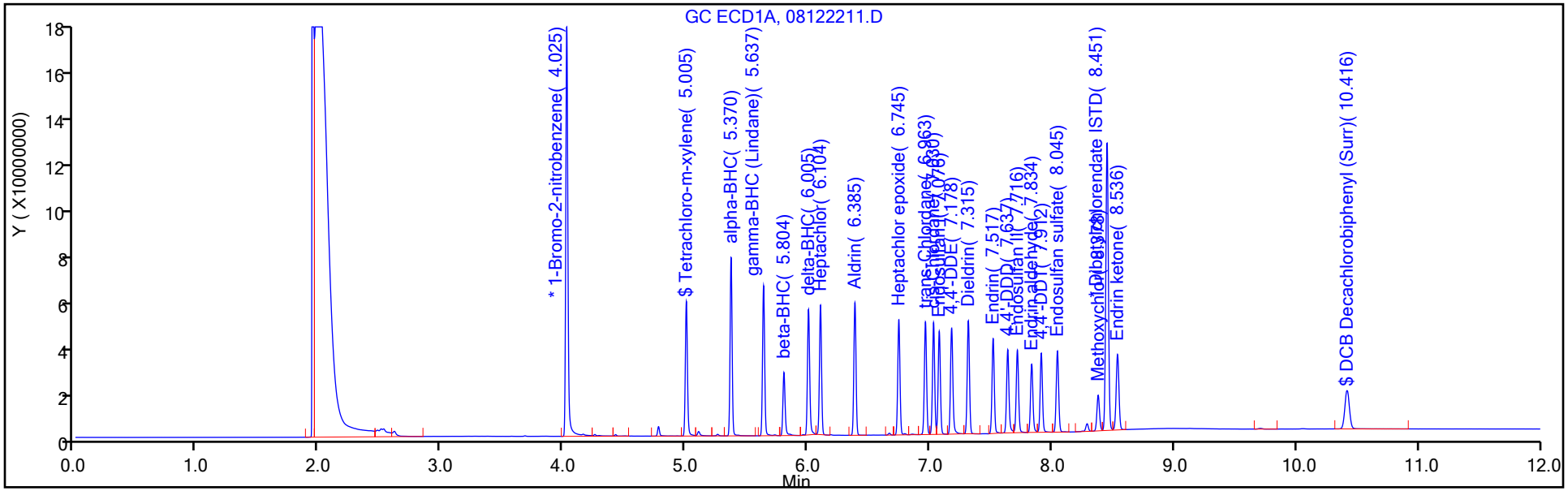
Report Date: 12-Aug-2022 13:44:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

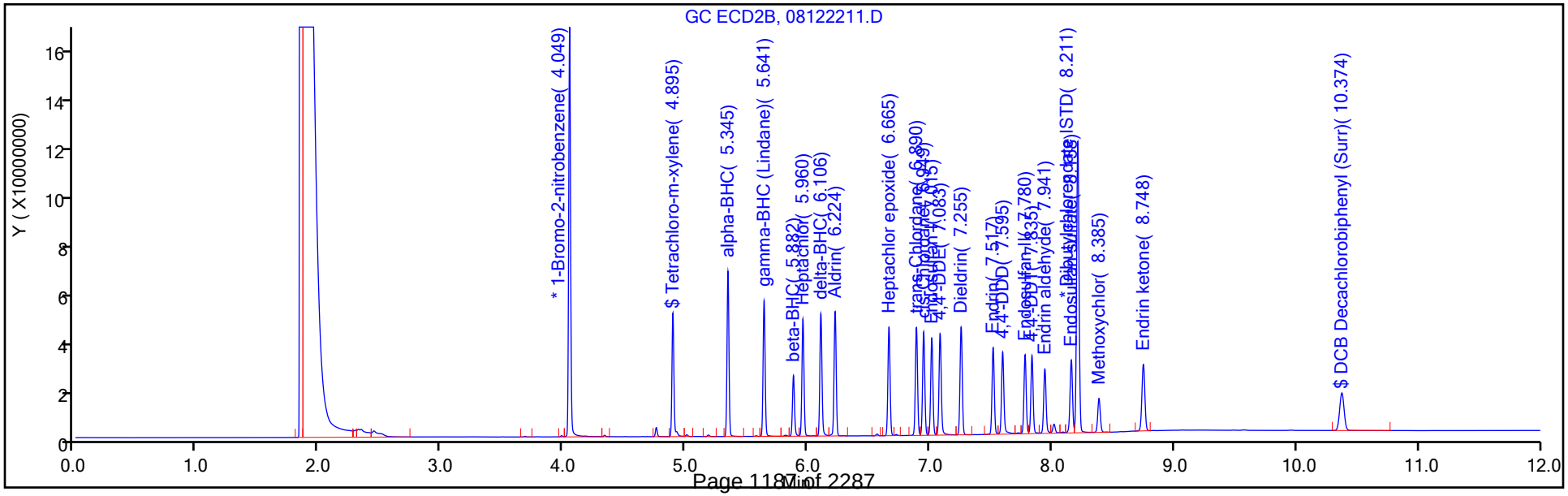
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122211.D

Injection Date:	12-Aug-2022 12:37:04	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408450/6 Calibration Date: 08/12/2022 12:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.862	1.611		0.0216	0.0250	-13.5	20.0
gamma-BHC (Lindane)	Ave	1.568	1.324		0.0211	0.0250	-15.6	20.0
beta-BHC	Ave	0.7402	0.5920		0.0200	0.0250	-20.0	20.0
Heptachlor	Ave	1.292	1.143		0.0221	0.0250	-11.5	20.0
delta-BHC	Ave	1.495	1.194		0.0200	0.0250	-20.1*	20.0
Aldrin	Ave	1.446	1.216		0.0210	0.0250	-15.9	20.0
Heptachlor epoxide	Ave	1.263	1.060		0.0210	0.0250	-16.1	20.0
trans-Chlordane	Ave	1.299	1.053		0.0203	0.0250	-18.9	20.0
cis-Chlordane	Ave	1.255	1.010		0.0201	0.0250	-19.5	20.0
Endosulfan I	Ave	1.167	0.9479		0.0203	0.0250	-18.8	20.0
4,4'-DDE	Ave	1.596	1.393		0.0218	0.0250	-12.8	20.0
Dieldrin	Ave	1.685	1.481		0.0220	0.0250	-12.1	20.0
Endrin	Ave	1.318	1.194		0.0226	0.0250	-9.4	20.0
4,4'-DDD	Ave	1.312	1.128		0.0215	0.0250	-14.1	20.0
Endosulfan II	Ave	1.235	1.086		0.0220	0.0250	-12.0	20.0
4,4'-DDT	Ave	1.191	1.073		0.0225	0.0250	-9.9	20.0
Endrin aldehyde	Ave	1.082	0.8854		0.0204	0.0250	-18.2	20.0
Endosulfan sulfate	Ave	1.178	1.000		0.0212	0.0250	-15.1	20.0
Methoxychlor	Ave	0.5081	0.4674		0.0230	0.0250	-8.0	20.0
Endrin ketone	Ave	1.004	0.9142		0.0228	0.0250	-8.9	20.0
Tetrachloro-m-xylene (Surr)	Ave	1.518	1.206		0.0199	0.0250	-20.6*	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.5500	0.5170		0.0235	0.0250	-6.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408450/6 Calibration Date: 08/12/2022 12:37

Instrument ID: CHGC17 Calib Start Date: 05/05/2022 15:43

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 05/05/2022 17:02

Lab File ID: 08122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.35	5.34	5.36
gamma-BHC (Lindane)	5.64	5.63	5.65
beta-BHC	5.88	5.87	5.89
Heptachlor	5.96	5.95	5.97
delta-BHC	6.11	6.10	6.12
Aldrin	6.22	6.21	6.23
Heptachlor epoxide	6.67	6.66	6.68
trans-Chlordane	6.89	6.88	6.90
cis-Chlordane	6.95	6.94	6.96
Endosulfan I	7.02	7.01	7.03
4,4'-DDE	7.08	7.07	7.09
Dieldrin	7.26	7.25	7.27
Endrin	7.52	7.51	7.53
4,4'-DDD	7.60	7.59	7.61
Endosulfan II	7.78	7.77	7.79
4,4'-DDT	7.84	7.83	7.85
Endrin aldehyde	7.94	7.93	7.95
Endosulfan sulfate	8.16	8.15	8.17
Methoxychlor	8.39	8.38	8.40
Endrin ketone	8.75	8.74	8.76
Tetrachloro-m-xylene (Surr)	4.90	4.89	4.91
DCB Decachlorobiphenyl (Surr)	10.37	10.36	10.38

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122211.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Aug-2022 12:37:04 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-006
Operator ID: Instrument ID: CHGC17
Sublist: chrom-IS PEST_CHGC17*sub12

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:44:50 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 13:10:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.025	4.025	0.000	172886646H	0.1000	0.1000	
2	4.049	4.049	0.000	160141033H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.005	5.005	0.000	56874690H	0.0250	0.0211	
2	4.895	4.895	0.000	48276769H	0.0250	0.0199	
						RPD = 5.82	
5 alpha-BHC							
1	5.370	5.370	0.000	75376121H	0.0250	0.0217	
2	5.345	5.345	0.000	64498478H	0.0250	0.0216	
						RPD = 0.17	
7 gamma-BHC (Lindane)							
1	5.637	5.637	0.000	63370528H	0.0250	0.0212	
2	5.641	5.641	0.000	52990624H	0.0250	0.0211	
						RPD = 0.41	
8 beta-BHC							
1	5.804	5.804	0.000	26686104H	0.0250	0.0197	
2	5.882	5.882	0.000	23701548H	0.0250	0.0200	
						RPD = 1.72	
10 delta-BHC							
1	6.005	6.005	0.000	52967219H	0.0250	0.0187	
2	6.106	6.106	0.000	47799244H	0.0250	0.0200	
						RPD = 6.58	
11 Heptachlor							
1	6.104	6.104	0.000	54735430H	0.0250	0.0228	
2	5.960	5.960	0.000	45750959H	0.0250	0.0221	
						RPD = 3.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
13 Aldrin							
1	6.385	6.385	0.000	56017364H	0.0250	0.0214	
2	6.224	6.224	0.000	48671086H	0.0250	0.0210	
						RPD = 1.79	
16 Heptachlor epoxide							
1	6.745	6.745	0.000	48659247H	0.0250	0.0215	
2	6.665	6.665	0.000	42420986H	0.0250	0.0210	
						RPD = 2.40	
18 trans-Chlordane							
1	6.963	6.963	0.000	47574174H	0.0250	0.0203	
2	6.890	6.890	0.000	42174494H	0.0250	0.0203	
						RPD = 0.26	
20 cis-Chlordane							
1	7.030	7.030	0.000	47285047H	0.0250	0.0214	
2	6.949	6.949	0.000	40432506H	0.0250	0.0201	
						RPD = 6.21	
22 Endosulfan I							
1	7.076	7.076	0.000	43526312H	0.0250	0.0207	
2	7.015	7.015	0.000	37948027H	0.0250	0.0203	
						RPD = 1.87	
23 4,4'-DDE							
1	7.178	7.178	0.000	44706587H	0.0250	0.0202	
2	7.083	7.083	0.000	39626239H	0.0250	0.0218	
						RPD = 7.78	
26 Dieldrin							
1	7.315	7.315	0.000	47703259H	0.0250	0.0221	
2	7.255	7.255	0.000	42122315H	0.0250	0.0220	
						RPD = 0.42	
27 Endrin							
1	7.517	7.517	0.000	40109382H	0.0250	0.0224	
2	7.517	7.517	0.000	33967883H	0.0250	0.0226	
						RPD = 1.11	
30 4,4'-DDD							
1	7.637	7.637	0.000	35130910H	0.0250	0.0209	
2	7.595	7.595	0.000	32079381H	0.0250	0.0215	
						RPD = 2.55	
31 Endosulfan II							
1	7.716	7.716	0.000	34876440H	0.0250	0.0217	
2	7.780	7.780	0.000	30909474H	0.0250	0.0220	
						RPD = 1.38	
32 Endrin aldehyde							
1	7.834	7.834	0.000	28838516H	0.0250	0.0207	
2	7.941	7.941	0.000	25190036H	0.0250	0.0204	
						RPD = 1.00	
33 4,4'-DDT							
1	7.912	7.912	0.000	33409486H	0.0250	0.0224	
2	7.835	7.835	0.000	30524207H	0.0250	0.0225	
						RPD = 0.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
34 Endosulfan sulfate							
1	8.045	8.045	0.000	34248492H	0.0250	0.0212	
2	8.158	8.158	0.000	28463293H	0.0250	0.0212	
						RPD = 0.24	
35 Methoxychlor							
1	8.378	8.378	0.000	15087402H	0.0250	0.0228	
2	8.385	8.385	0.000	13297060H	0.0250	0.0230	
						RPD = 0.76	
* 36 Dibutylchlorendate ISTD							
1	8.451	8.451	0.000	121335064H	0.1000	0.1000	
2	8.211	8.211	0.000	113799498H	0.1000	0.1000	
37 Endrin ketone							
1	8.536	8.536	0.000	31907580H	0.0250	0.0224	
2	8.748	8.748	0.000	26009378H	0.0250	0.0228	
						RPD = 1.72	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.416	10.416	0.000	16185486H	0.0250	0.0215	
2	10.374	10.374	0.000	14708586H	0.0250	0.0235	
						RPD = 8.82	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPestL3_00047	Amount Added:	1.00	Units: mL	
GCPESTISSPK2_00028	Amount Added:	0.02	Units: mL	Run Reagent

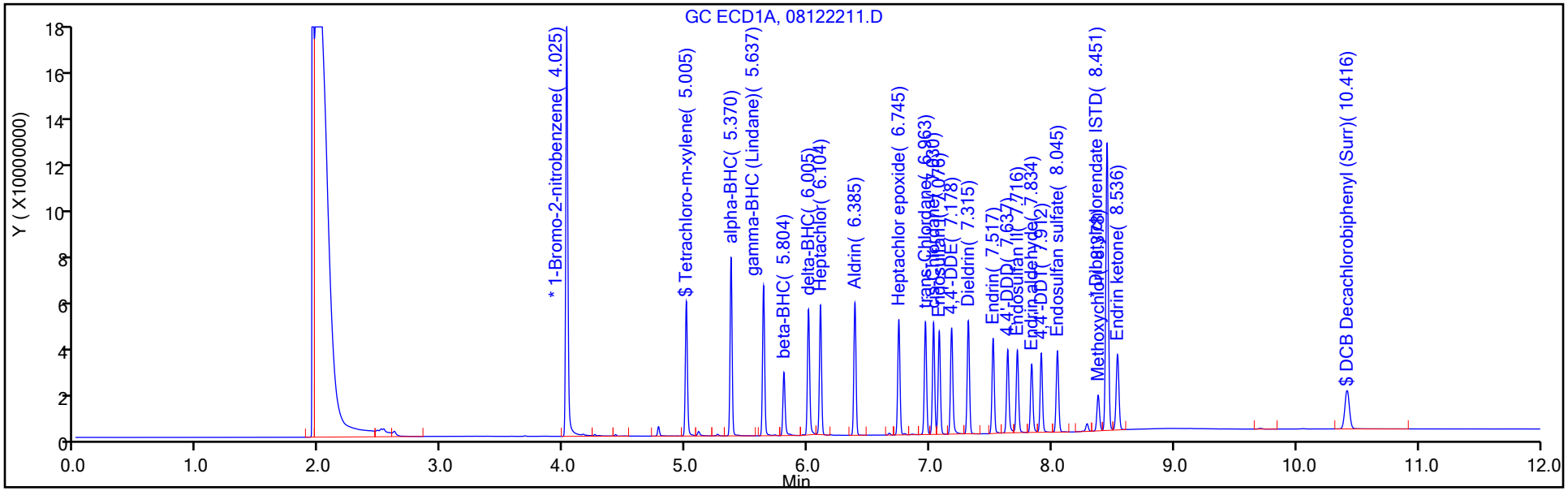
Report Date: 12-Aug-2022 13:44:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

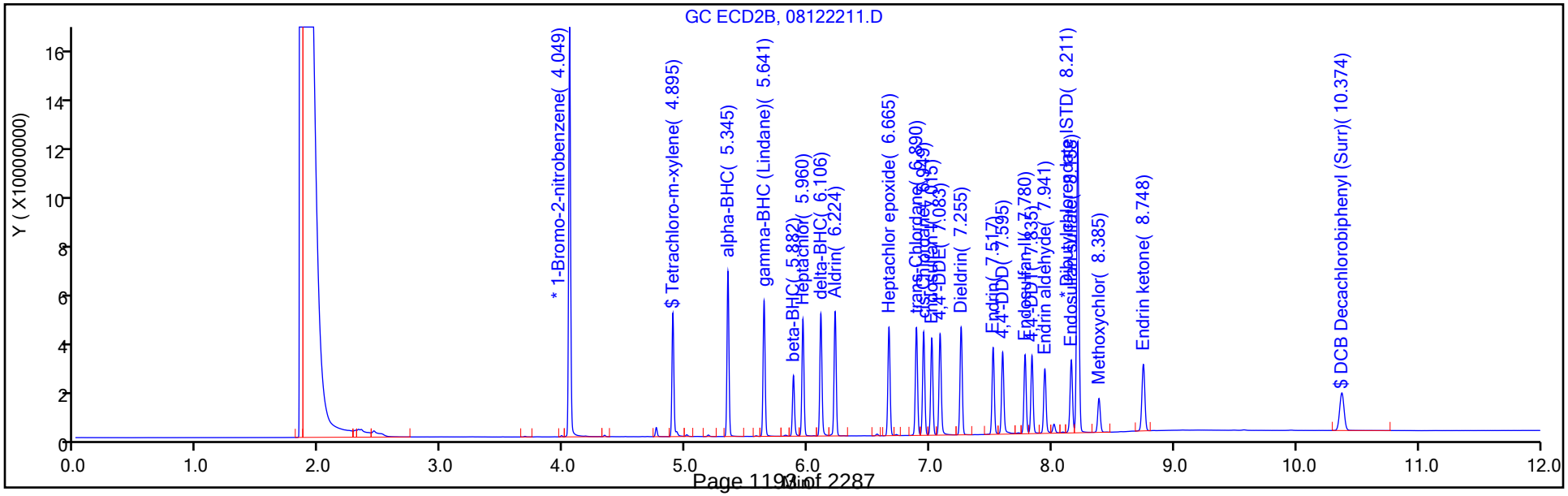
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122211.D

Injection Date:	12-Aug-2022 12:37:04	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-408312/1-A

Matrix: Solid | Lab File ID: 08122221.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 15:15

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	ND		0.0050	0.0029
72-20-8	Endrin	ND		0.00050	0.000091
58-89-9	gamma-BHC (Lindane)	ND		0.00050	0.00012
76-44-8	Heptachlor	ND		0.00050	0.00018
1024-57-3	Heptachlor epoxide	ND		0.00050	0.00014
72-43-5	Methoxychlor	ND		0.00050	0.00031
8001-35-2	Toxaphene	ND		0.040	0.020

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	74		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D
Lims ID: MB 180-408312/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 15:15:44 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-016
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:45:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							s
1	4.023	4.025	-0.002	210991254H	0.1000	0.1000	
2	4.047	4.049	-0.002	191631005H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.002	5.005	-0.003	48573086H	0.0200	0.0147	
2	4.892	4.895	-0.003	41120407H	0.0200	0.0141	
						RPD = 4.12	
4 Diallate							
1		5.225				ND	
1		5.300					
2		5.158					
2		5.243					
5 alpha-BHC							
1		5.370				ND	
2		5.345					
6 Hexachlorobenzene							
1		5.409				ND	
2		5.315					
7 gamma-BHC (Lindane)							
1		5.637				ND	
2		5.641					
8 beta-BHC							
1		5.804				ND	
2		5.882					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Chlordane (technical)							
1		5.921				ND	
1		6.094					
1		6.954					
1		7.023					
2		5.952					
2		6.301					
2		6.897					
2		6.941					
10 delta-BHC							
1		6.005				ND	
2		6.106					
11 Heptachlor							
1		6.104				ND	
2		5.960					
12 DCPA							
1		6.319				ND	
2		6.226					
13 Aldrin							
1		6.385				ND	
2		6.224					
14 Isodrin							
1		6.669				ND	
2		6.574					
15 oxy-Chlordane							
1		6.704				ND	
2		6.574					
16 Heptachlor epoxide							
1		6.745				ND	
2		6.665					
17 2,4'-DDE							
1		6.877				ND	
2		6.801					
18 trans-Chlordane							
1		6.963				ND	
2		6.890					
19 Chlorobenside							
1		6.989				ND	
2		6.969					
21 trans-Nonachlor							
1		7.029				ND	
2		6.903					
20 cis-Chlordane							
1		7.030				ND	
2		6.949					
22 Endosulfan I							
1		7.076				ND	
2		7.015					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
23 4,4'-DDE							
1		7.178				ND	
2		7.083					
24 Toxaphene							
1		7.224				ND	
1		7.750					
1		7.946					
1		8.025					
2		7.204					
2		7.738					
2		7.925					
2		8.437					
25 2,4'-DDD							
1		7.268				ND	
2		7.237					
26 Dieldrin							
1		7.315				ND	
2		7.255					
27 Endrin							
1		7.517				ND	
2		7.517					
28 2,4'-DDT							
1		7.539				ND	
2		7.478					
29 cis-Nonachlor							
1		7.602				ND	
2		7.557					
30 4,4'-DDD							
1		7.637				ND	
2		7.595					
31 Endosulfan II							
1		7.716				ND	
2		7.780					
32 Endrin aldehyde							
1		7.834				ND	
2		7.941					
33 4,4'-DDT							
1		7.912				ND	
2		7.835					
34 Endosulfan sulfate							
1		8.045				ND	
2		8.158					
35 Methoxychlor							
1		8.378				ND	
2		8.385					
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.005	136128757H	0.1000	0.1000	
2	8.208	8.211	-0.003	131014964H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.536				ND	
2		8.748					
38 Mirex							
1		9.077				ND	
2		9.017					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.412	10.416	-0.004	15330887H	0.0200	0.0182	
2	10.369	10.374	-0.005	13414600H	0.0200	0.0186	
						RPD = 2.46	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

Report Date: 12-Aug-2022 15:45:26 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D

Injection Date: 12-Aug-2022 15:15:44 Instrument ID: CHGC17 Operator ID:

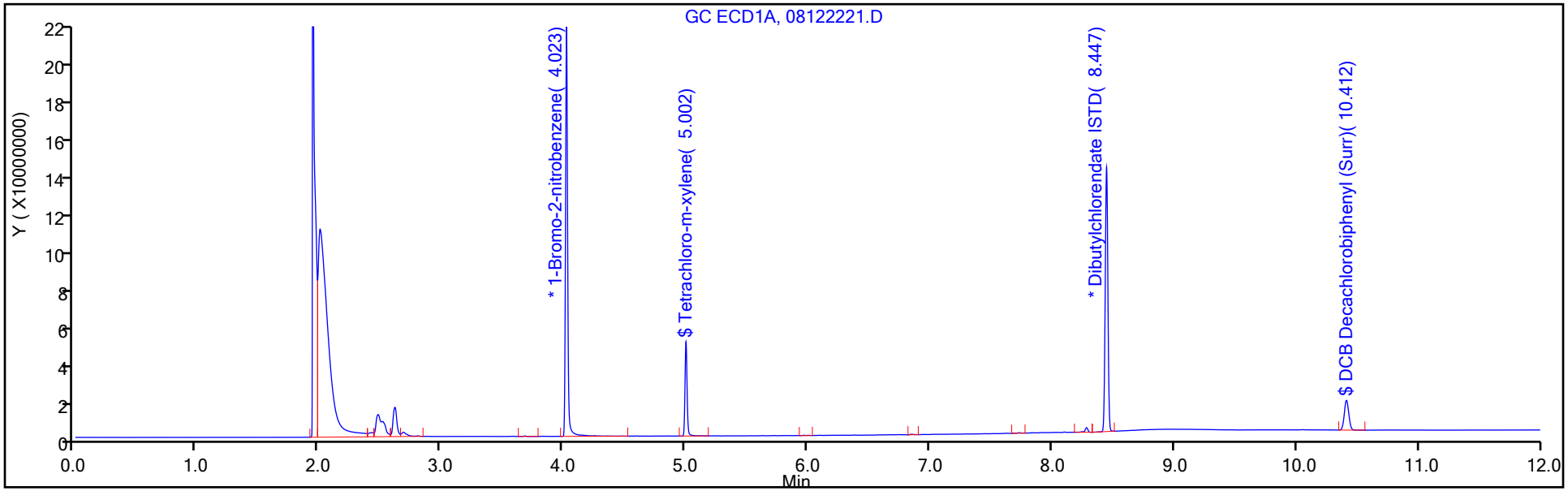
Lims ID: MB 180-408312/1-A Worklist Smp#: 16

Client ID:

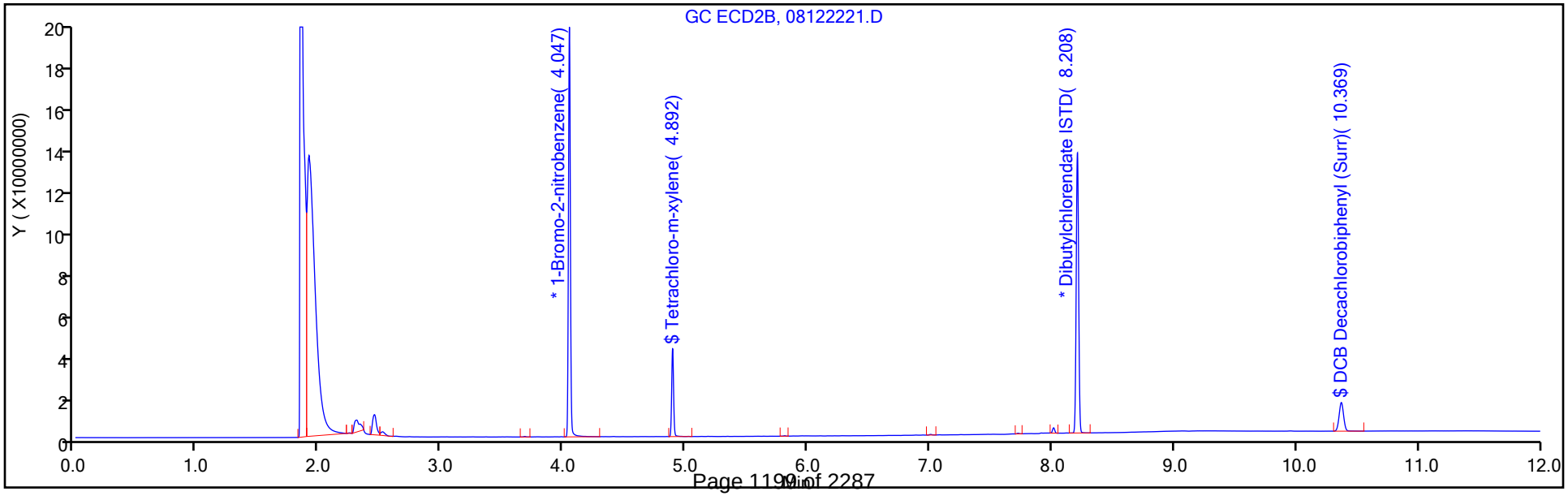
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 16

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D
Lims ID: MB 180-408312/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 15:15:44 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-016
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:45:26

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0147	73.66
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0182	90.82

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0141	70.68
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0186	93.08

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-408312/1-A

Matrix: Solid Lab File ID: 08122221.D

Analysis Method: EPA 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) Date Analyzed: 08/12/2022 15:15

Con. Extract Vol.: 40.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	71		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D
Lims ID: MB 180-408312/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 15:15:44 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-016
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:45:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							s
1	4.023	4.025	-0.002	210991254H	0.1000	0.1000	
2	4.047	4.049	-0.002	191631005H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.002	5.005	-0.003	48573086H	0.0200	0.0147	
2	4.892	4.895	-0.003	41120407H	0.0200	0.0141	
						RPD = 4.12	
4 Diallate							
1		5.225				ND	
1		5.300					
2		5.158					
2		5.243					
5 alpha-BHC							
1		5.370				ND	
2		5.345					
6 Hexachlorobenzene							
1		5.409				ND	
2		5.315					
7 gamma-BHC (Lindane)							
1		5.637				ND	
2		5.641					
8 beta-BHC							
1		5.804				ND	
2		5.882					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Chlordane (technical)							
1		5.921				ND	
1		6.094					
1		6.954					
1		7.023					
2		5.952					
2		6.301					
2		6.897					
2		6.941					
10 delta-BHC							
1		6.005				ND	
2		6.106					
11 Heptachlor							
1		6.104				ND	
2		5.960					
12 DCPA							
1		6.319				ND	
2		6.226					
13 Aldrin							
1		6.385				ND	
2		6.224					
14 Isodrin							
1		6.669				ND	
2		6.574					
15 oxy-Chlordane							
1		6.704				ND	
2		6.574					
16 Heptachlor epoxide							
1		6.745				ND	
2		6.665					
17 2,4'-DDE							
1		6.877				ND	
2		6.801					
18 trans-Chlordane							
1		6.963				ND	
2		6.890					
19 Chlorobenside							
1		6.989				ND	
2		6.969					
21 trans-Nonachlor							
1		7.029				ND	
2		6.903					
20 cis-Chlordane							
1		7.030				ND	
2		6.949					
22 Endosulfan I							
1		7.076				ND	
2		7.015					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
23 4,4'-DDE							
1		7.178				ND	
2		7.083					
24 Toxaphene							
1		7.224				ND	
1		7.750					
1		7.946					
1		8.025					
2		7.204					
2		7.738					
2		7.925					
2		8.437					
25 2,4'-DDD							
1		7.268				ND	
2		7.237					
26 Dieldrin							
1		7.315				ND	
2		7.255					
27 Endrin							
1		7.517				ND	
2		7.517					
28 2,4'-DDT							
1		7.539				ND	
2		7.478					
29 cis-Nonachlor							
1		7.602				ND	
2		7.557					
30 4,4'-DDD							
1		7.637				ND	
2		7.595					
31 Endosulfan II							
1		7.716				ND	
2		7.780					
32 Endrin aldehyde							
1		7.834				ND	
2		7.941					
33 4,4'-DDT							
1		7.912				ND	
2		7.835					
34 Endosulfan sulfate							
1		8.045				ND	
2		8.158					
35 Methoxychlor							
1		8.378				ND	
2		8.385					
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.005	136128757H	0.1000	0.1000	
2	8.208	8.211	-0.003	131014964H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.536				ND	
2		8.748					
38 Mirex							
1		9.077				ND	
2		9.017					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.412	10.416	-0.004	15330887H	0.0200	0.0182	
2	10.369	10.374	-0.005	13414600H	0.0200	0.0186	
						RPD = 2.46	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

Report Date: 12-Aug-2022 15:45:26 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D

Injection Date: 12-Aug-2022 15:15:44 Instrument ID: CHGC17 Operator ID:

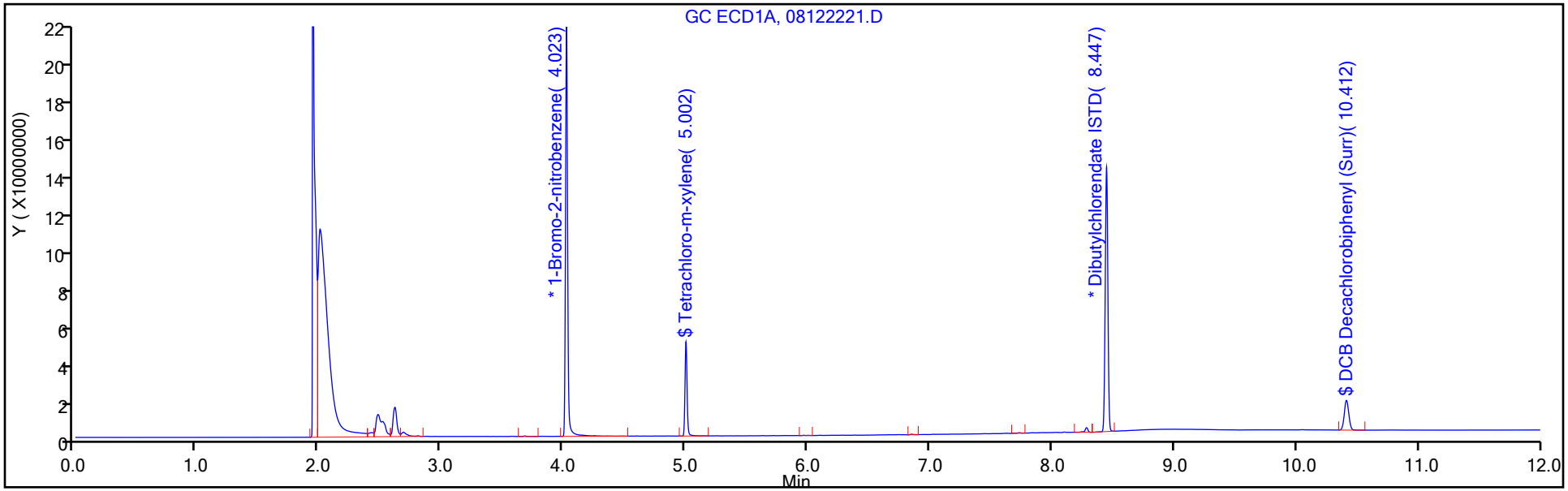
Lims ID: MB 180-408312/1-A Worklist Smp#: 16

Client ID:

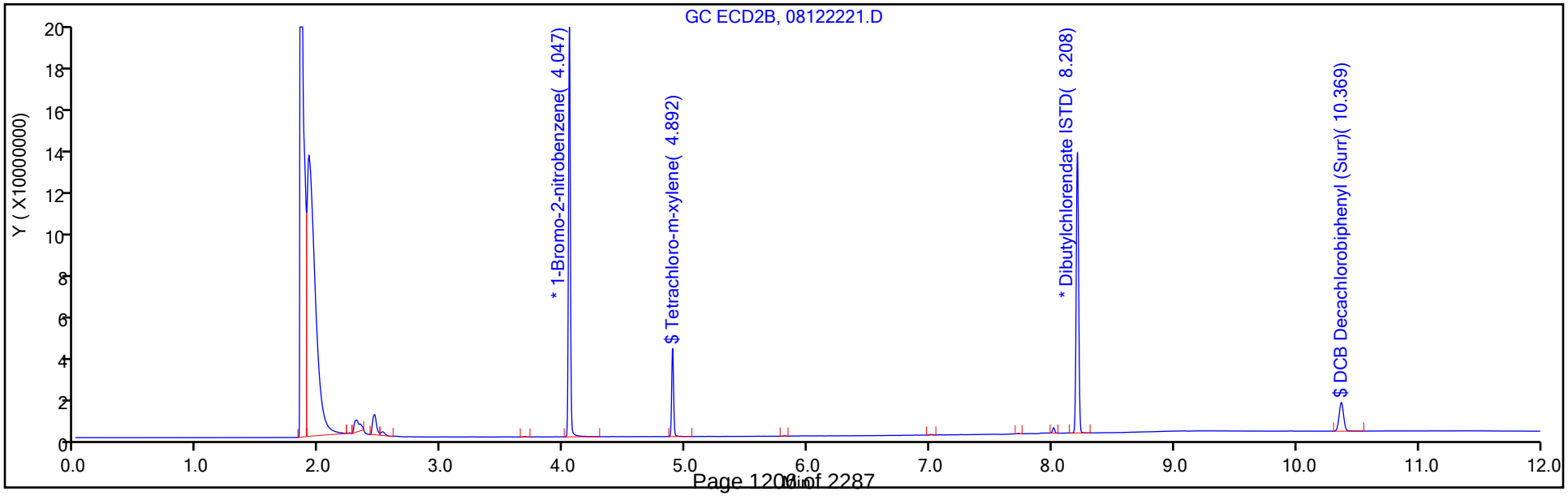
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 16

Method: IS PEST_CHGC17 Limit Group: GCS 8081B ICAL with IS

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122221.D
Lims ID: MB 180-408312/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Aug-2022 15:15:44 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-016
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:45:26

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0147	73.66
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0182	90.82

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0141	70.68
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0186	93.08

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 180-408025/1-C

Matrix: Solid (TCLP) | Lab File ID: 08122224.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 16:03

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	ND		0.0050	0.0029
72-20-8	Endrin	ND		0.00050	0.000091
58-89-9	gamma-BHC (Lindane)	ND		0.00050	0.00012
76-44-8	Heptachlor	ND		0.00050	0.00018
1024-57-3	Heptachlor epoxide	ND		0.00050	0.00014
72-43-5	Methoxychlor	ND		0.00050	0.00031
8001-35-2	Toxaphene	ND		0.040	0.020

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	98		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	81		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D
Lims ID: LB 180-408025/1-C
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 16:03:22 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-019
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 14:16:22 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:30:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.026	4.025	0.001	192458144H	0.1000	0.1000	
2	4.049	4.049	0.001	175266230H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.004	5.005	-0.001	48739856H	0.0200	0.0162	
2	4.895	4.895	0.000	41248144H	0.0200	0.0155	
						RPD = 4.42	
4 Diallate							
1		5.225				ND	
1		5.300					
2		5.158					
2		5.243					
5 alpha-BHC							
1		5.370				ND	
2		5.345					
6 Hexachlorobenzene							
1		5.409				ND	
2		5.315					
7 gamma-BHC (Lindane)							
1		5.637				ND	
2		5.641					
8 beta-BHC							
1		5.804				ND	
2		5.882					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Chlordane (technical)							
1		5.921				ND	
1		6.094					
1		6.954					
1		7.023					
2		5.952					
2		6.301					
2		6.897					
2		6.941					
10 delta-BHC							
1		6.005				ND	
2		6.106					
11 Heptachlor							
1		6.104				ND	
2		5.960					
12 DCPA							
1		6.319				ND	
2		6.226					
13 Aldrin							
1		6.385				ND	
2		6.224					
14 Isodrin							
1		6.669				ND	
2		6.574					
15 oxy-Chlordane							
1		6.704				ND	
2		6.574					
16 Heptachlor epoxide							
1		6.745				ND	
2		6.665					
17 2,4'-DDE							
1		6.877				ND	
2		6.801					
18 trans-Chlordane							
1		6.963				ND	
2		6.890					
19 Chlorobenside							
1		6.989				ND	
2		6.969					
21 trans-Nonachlor							
1		7.029				ND	
2		6.903					
20 cis-Chlordane							
1		7.030				ND	
2		6.949					
22 Endosulfan I							
1		7.076				ND	
2		7.015					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
23 4,4'-DDE							
1		7.178				ND	
2		7.083					
24 Toxaphene							
1		7.224				ND	
1		7.750					
1		7.946					
1		8.025					
2		7.204					
2		7.738					
2		7.925					
2		8.437					
25 2,4'-DDD							
1		7.268				ND	
2		7.237					
26 Dieldrin							
1		7.315				ND	
2		7.255					
27 Endrin							
1		7.517				ND	
2		7.517					
28 2,4'-DDT							
1		7.539				ND	
2		7.478					
29 cis-Nonachlor							
1		7.602				ND	
2		7.557					
30 4,4'-DDD							
1		7.637				ND	
2		7.595					
31 Endosulfan II							
1		7.716				ND	
2		7.780					
32 Endrin aldehyde							
1		7.834				ND	
2		7.941					
33 4,4'-DDT							
1		7.912				ND	
2		7.835					
34 Endosulfan sulfate							
1		8.045				ND	
2		8.158					
35 Methoxychlor							
1		8.378				ND	
2		8.385					
* 36 Dibutylchlorendate ISTD							
1	8.450	8.451	-0.001	125969432H	0.1000	0.1000	
2	8.210	8.211	-0.001	123101405H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.536				ND	
2		8.748					
38 Mirex							
1		9.077				ND	
2		9.017					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.415	10.416	-0.001	15325825H	0.0200	0.0196	
2	10.374	10.374	0.000	13749609H	0.0200	0.0203	
						RPD = 3.43	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

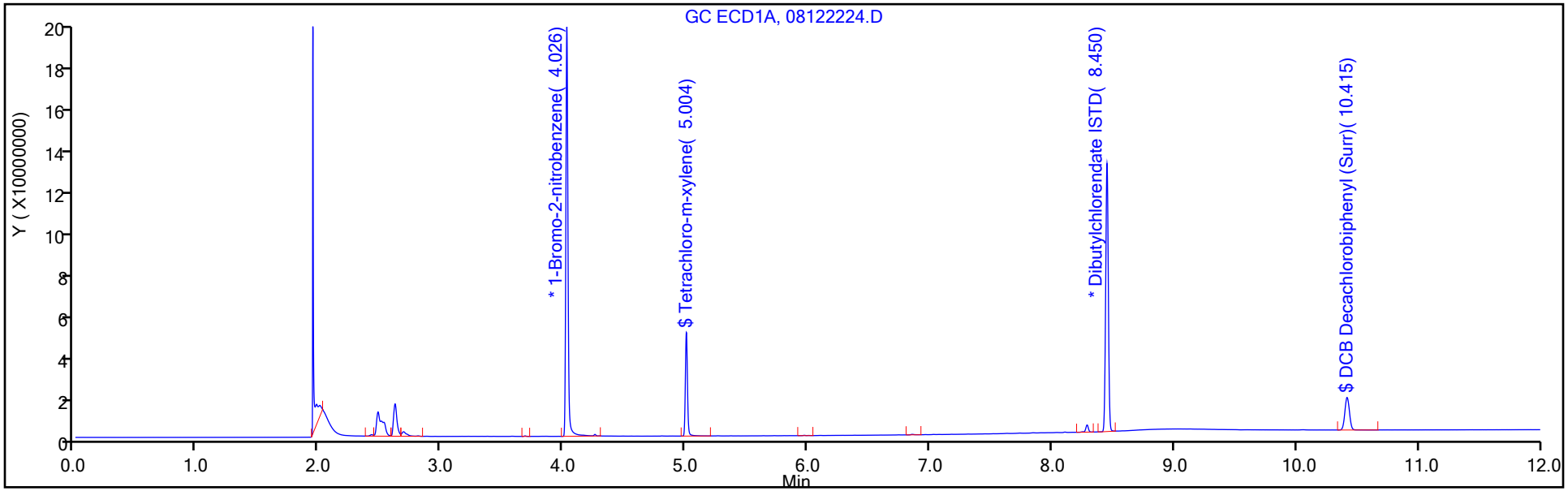
Report Date: 12-Aug-2022 16:30:19 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

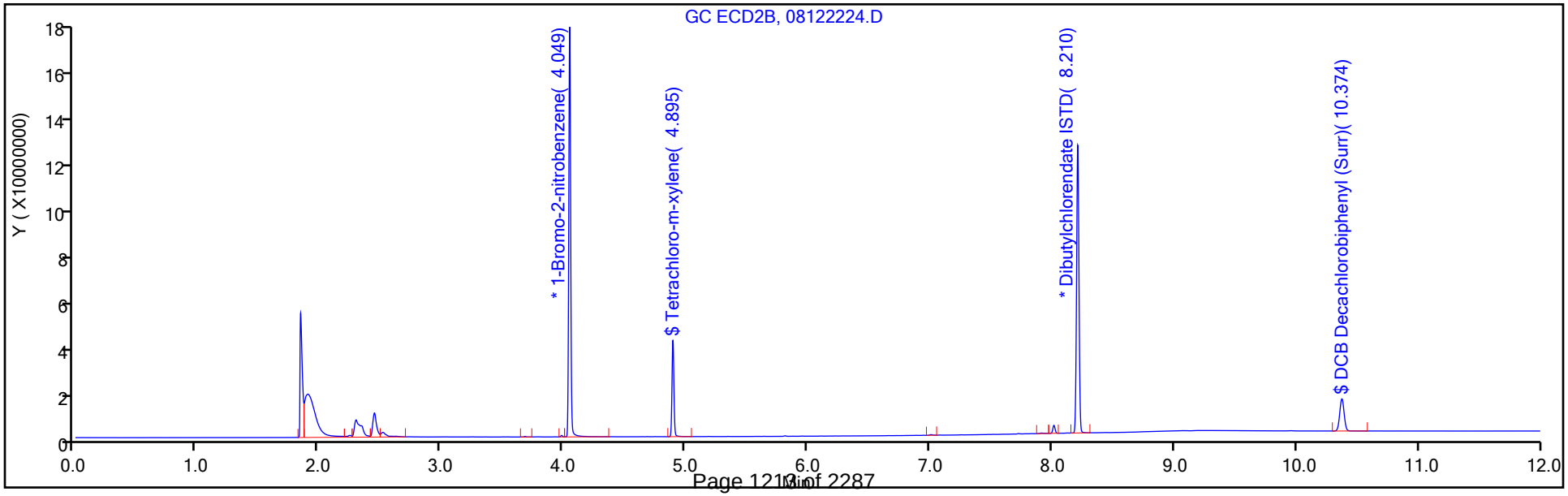
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D

Injection Date:	12-Aug-2022 16:03:22	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LB 180-408025/1-C			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D
Lims ID: LB 180-408025/1-C
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 16:03:22 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-019
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 14:16:22 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:30:19

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0162	81.03
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0196	98.12

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0155	77.52
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0203	101.54

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 180-408025/1-C

Matrix: Solid (TCLP) Lab File ID: 08122224.D

Analysis Method: EPA 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) Date Analyzed: 08/12/2022 16:03

Con. Extract Vol.: 40.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	78		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D
Lims ID: LB 180-408025/1-C
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 16:03:22 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-019
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 14:16:22 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:30:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.026	4.025	0.001	192458144H	0.1000	0.1000	
2	4.049	4.049	0.001	175266230H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.004	5.005	-0.001	48739856H	0.0200	0.0162	
2	4.895	4.895	0.000	41248144H	0.0200	0.0155	
						RPD = 4.42	
4 Diallate							
1		5.225				ND	
1		5.300					
2		5.158					
2		5.243					
5 alpha-BHC							
1		5.370				ND	
2		5.345					
6 Hexachlorobenzene							
1		5.409				ND	
2		5.315					
7 gamma-BHC (Lindane)							
1		5.637				ND	
2		5.641					
8 beta-BHC							
1		5.804				ND	
2		5.882					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Chlordane (technical)							
1		5.921				ND	
1		6.094					
1		6.954					
1		7.023					
2		5.952					
2		6.301					
2		6.897					
2		6.941					
10 delta-BHC							
1		6.005				ND	
2		6.106					
11 Heptachlor							
1		6.104				ND	
2		5.960					
12 DCPA							
1		6.319				ND	
2		6.226					
13 Aldrin							
1		6.385				ND	
2		6.224					
14 Isodrin							
1		6.669				ND	
2		6.574					
15 oxy-Chlordane							
1		6.704				ND	
2		6.574					
16 Heptachlor epoxide							
1		6.745				ND	
2		6.665					
17 2,4'-DDE							
1		6.877				ND	
2		6.801					
18 trans-Chlordane							
1		6.963				ND	
2		6.890					
19 Chlorobenside							
1		6.989				ND	
2		6.969					
21 trans-Nonachlor							
1		7.029				ND	
2		6.903					
20 cis-Chlordane							
1		7.030				ND	
2		6.949					
22 Endosulfan I							
1		7.076				ND	
2		7.015					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
23 4,4'-DDE							
1		7.178				ND	
2		7.083					
24 Toxaphene							
1		7.224				ND	
1		7.750					
1		7.946					
1		8.025					
2		7.204					
2		7.738					
2		7.925					
2		8.437					
25 2,4'-DDD							
1		7.268				ND	
2		7.237					
26 Dieldrin							
1		7.315				ND	
2		7.255					
27 Endrin							
1		7.517				ND	
2		7.517					
28 2,4'-DDT							
1		7.539				ND	
2		7.478					
29 cis-Nonachlor							
1		7.602				ND	
2		7.557					
30 4,4'-DDD							
1		7.637				ND	
2		7.595					
31 Endosulfan II							
1		7.716				ND	
2		7.780					
32 Endrin aldehyde							
1		7.834				ND	
2		7.941					
33 4,4'-DDT							
1		7.912				ND	
2		7.835					
34 Endosulfan sulfate							
1		8.045				ND	
2		8.158					
35 Methoxychlor							
1		8.378				ND	
2		8.385					
* 36 Dibutylchlorendate ISTD							
1	8.450	8.451	-0.001	125969432H	0.1000	0.1000	
2	8.210	8.211	-0.001	123101405H	0.1000	0.1000	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
37 Endrin ketone							
1		8.536				ND	
2		8.748					
38 Mirex							
1		9.077				ND	
2		9.017					
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.415	10.416	-0.001	15325825H	0.0200	0.0196	
2	10.374	10.374	0.000	13749609H	0.0200	0.0203	
						RPD = 3.43	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

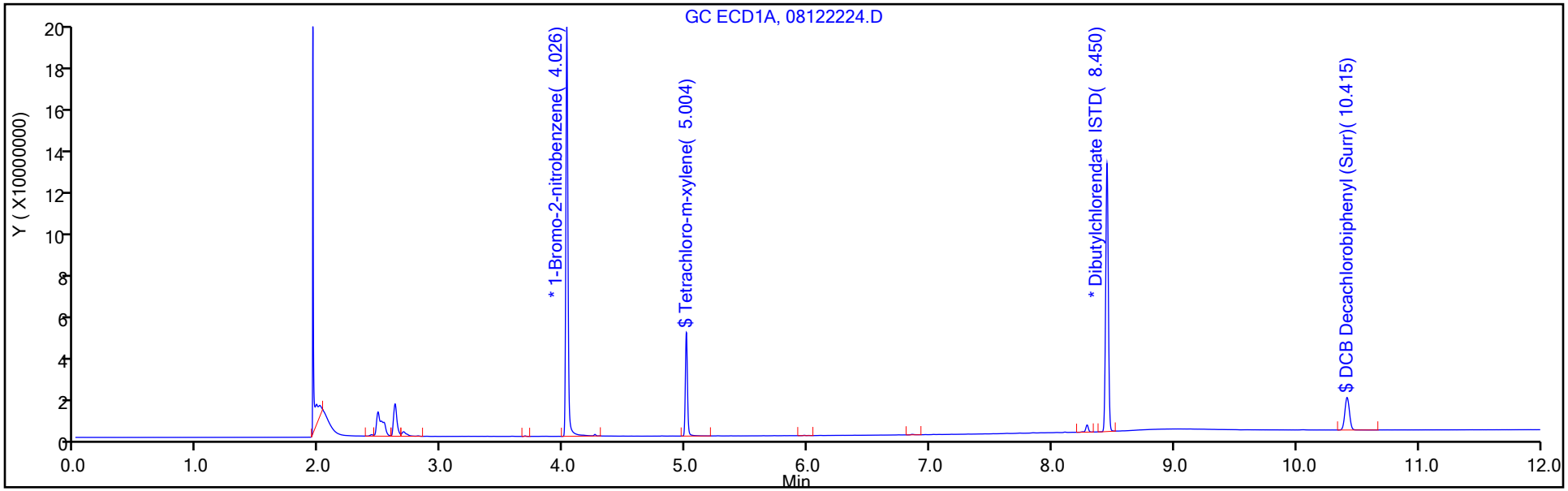
Report Date: 12-Aug-2022 16:30:19 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

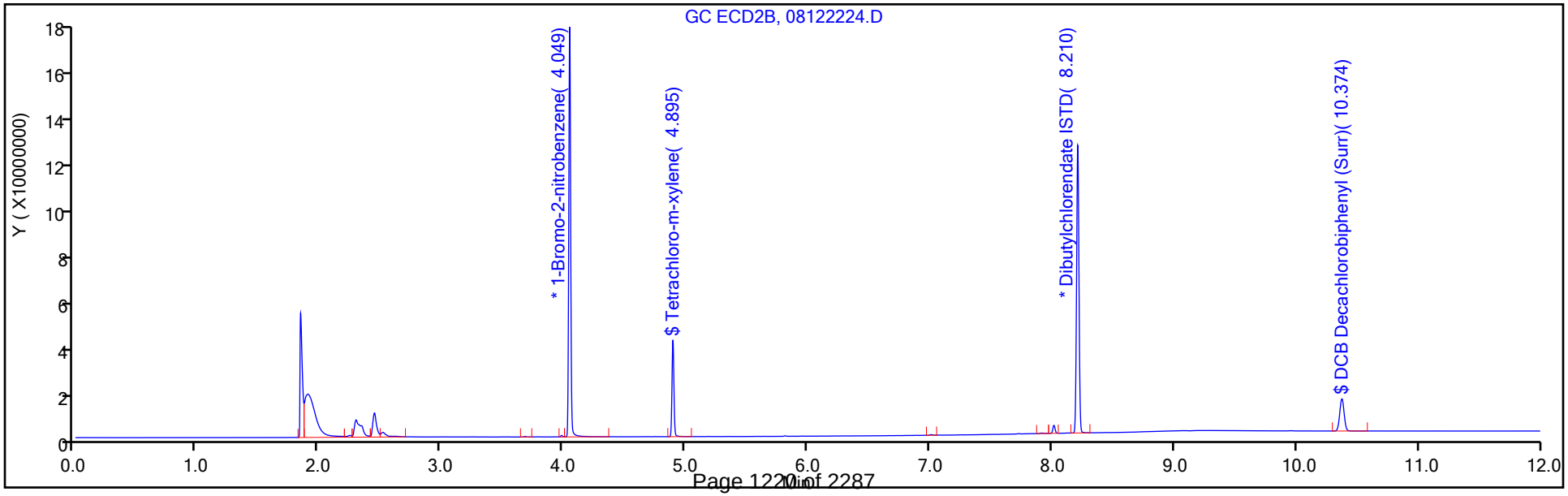
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D

Injection Date:	12-Aug-2022 16:03:22	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LB 180-408025/1-C			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122224.D
Lims ID: LB 180-408025/1-C
Client ID:
Sample Type: LB
Inject. Date: 12-Aug-2022 16:03:22 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-019
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 14:16:22 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:30:19

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0162	81.03
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0196	98.12

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0155	77.52
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0203	101.54

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-408312/2-A

Matrix: Solid | Lab File ID: 08122222.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 15:31

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	Endrin	0.0107		0.00050	0.000091
76-44-8	Heptachlor	0.0102		0.00050	0.00018
1024-57-3	Heptachlor epoxide	0.00940		0.00050	0.00014
72-43-5	Methoxychlor	0.0112	*+	0.00050	0.00031

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	113		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	97		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D
Lims ID: LCS 180-408312/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 15:31:35 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-017
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:52:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.022	4.025	-0.003	173810502H	0.1000	0.1000	
2	4.045	4.049	-0.003	158937299H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.001	5.005	-0.004	52457653H	0.0200	0.0193	
2	4.891	4.895	-0.004	41826779H	0.0200	0.0173	
						RPD = 10.78	
5 alpha-BHC							
1	5.368	5.370	-0.002	81069979H	0.0250	0.0232	
2	5.342	5.345	-0.003	68376760H	0.0250	0.0231	
						RPD = 0.32	
7 gamma-BHC (Lindane)							
1	5.634	5.637	-0.003	70256114H	0.0250	0.0234	
2	5.638	5.641	-0.003	58730279H	0.0250	0.0236	
						RPD = 0.84	
8 beta-BHC							
1	5.800	5.804	-0.004	30093984H	0.0250	0.0220	
2	5.878	5.882	-0.004	26275735H	0.0250	0.0223	
						RPD = 1.30	
10 delta-BHC							
1	6.001	6.005	-0.004	48265023H	0.0250	0.0169	
2	6.103	6.106	-0.003	43363806H	0.0250	0.0183	
						RPD = 7.43	
11 Heptachlor							
1	6.100	6.104	-0.004	61328206H	0.0250	0.0255	
2	5.956	5.960	-0.004	51396182H	0.0250	0.0250	
						RPD = 1.72	
13 Aldrin							
1	6.382	6.385	-0.003	62026606H	0.0250	0.0236	
2	6.220	6.224	-0.004	55162813H	0.0250	0.0240	
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.740	6.745	-0.005	53534151H	0.0250	0.0235	
2	6.661	6.665	-0.004	46998078H	0.0250	0.0234	
						RPD = 0.41	
18 trans-Chlordane							
1	6.959	6.963	-0.004	52982606H	0.0250	0.0225	
2	6.886	6.890	-0.004	47446935H	0.0250	0.0230	
						RPD = 2.04	
20 cis-Chlordane							
1	7.025	7.030	-0.005	49983619H	0.0250	0.0225	
2	6.945	6.949	-0.004	44659142H	0.0250	0.0224	
						RPD = 0.53	
22 Endosulfan I							
1	7.072	7.076	-0.004	47604867H	0.0250	0.0225	
2	7.010	7.015	-0.005	42240846H	0.0250	0.0228	
						RPD = 1.18	
23 4,4'-DDE							
1	7.173	7.178	-0.005	51373896H	0.0250	0.0251	
2	7.079	7.083	-0.004	45316854H	0.0250	0.0259	
						RPD = 3.13	
26 Dieldrin							
1	7.310	7.315	-0.005	52655484H	0.0250	0.0264	
2	7.251	7.255	-0.004	46329678H	0.0250	0.0251	
						RPD = 4.95	
27 Endrin							
1	7.513	7.517	-0.004	44420804H	0.0250	0.0269	
2	7.514	7.517	-0.003	37887560H	0.0250	0.0262	
						RPD = 2.36	
30 4,4'-DDD							
1	7.632	7.637	-0.005	38959308H	0.0250	0.0252	
2	7.592	7.595	-0.003	35785697H	0.0250	0.0249	
						RPD = 1.04	
31 Endosulfan II							
1	7.711	7.716	-0.005	41727401H	0.0250	0.0281	
2	7.775	7.780	-0.005	36201288H	0.0250	0.0268	
						RPD = 4.93	
32 Endrin aldehyde							
1	7.829	7.834	-0.005	32391960H	0.0250	0.0251	
2	7.936	7.941	-0.005	27969082H	0.0250	0.0236	
						RPD = 6.33	
33 4,4'-DDT							
1	7.908	7.912	-0.004	38377429H	0.0250	0.0279	
2	7.831	7.835	-0.004	33859654H	0.0250	0.0260	
						RPD = 6.99	
34 Endosulfan sulfate							
1	8.039	8.045	-0.006	35356268H	0.0250	0.0237	
2	8.153	8.158	-0.005	29497387H	0.0250	0.0229	
						RPD = 3.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.374	8.378	-0.004	17021166H	0.0250	0.0279	
2	8.380	8.385	-0.005	15344403H	0.0250	0.0276	
						RPD = 1.16	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	111974666H	0.1000	0.1000	
2	8.207	8.211	-0.004	109500455H	0.1000	0.1000	
37 Endrin ketone							
1	8.532	8.536	-0.004	35697544H	0.0250	0.0271	
2	8.744	8.748	-0.004	29882129H	0.0250	0.0272	
						RPD = 0.20	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.410	10.416	-0.006	15681797H	0.0200	0.0226	
2	10.370	10.374	-0.004	13862435H	0.0200	0.0230	
						RPD = 1.88	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

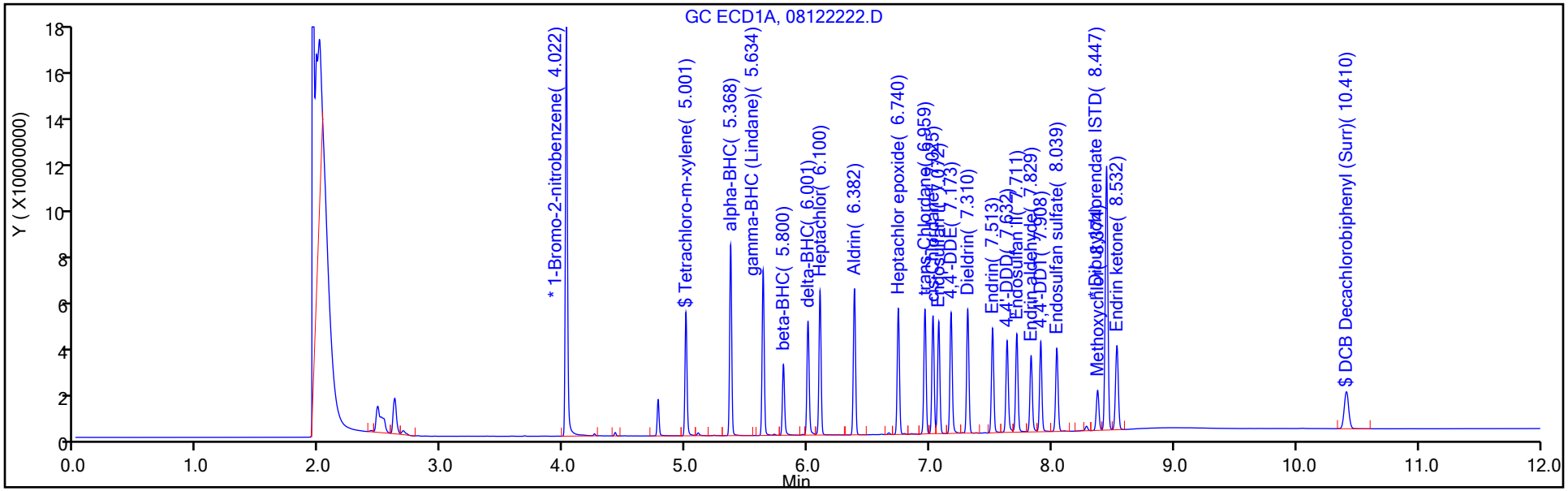
Report Date: 12-Aug-2022 15:52:00 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

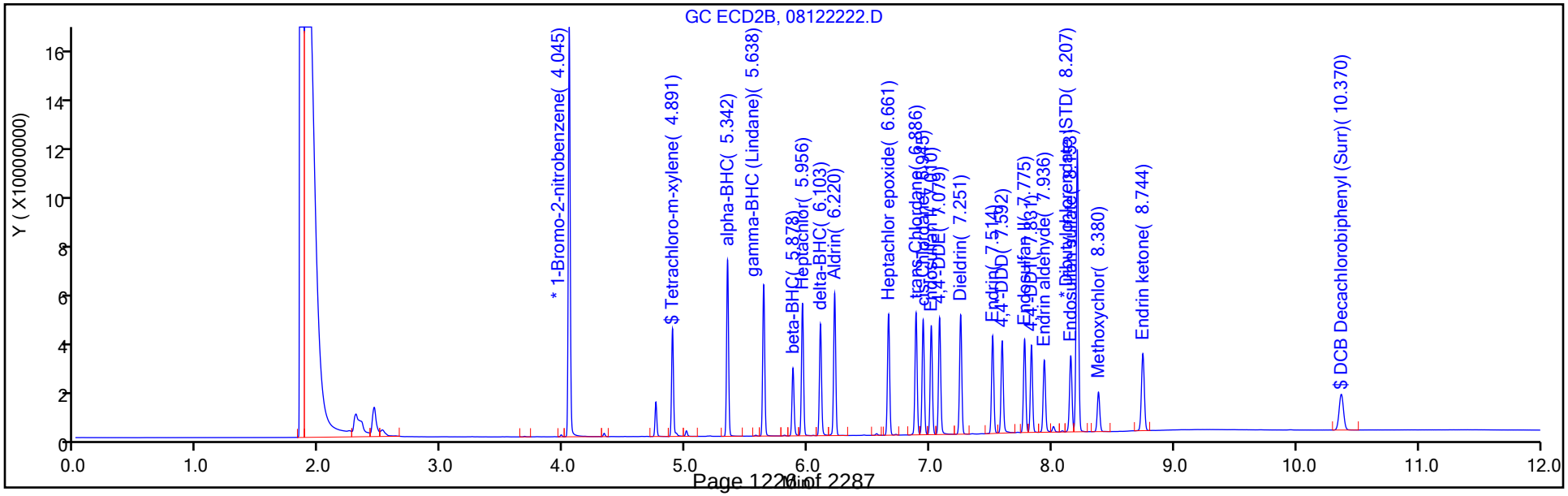
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D

Injection Date:	12-Aug-2022 15:31:35	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LCS 180-408312/2-A			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D
Lims ID: LCS 180-408312/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 15:31:35 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-017
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:52:00

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0193	96.56
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0226	112.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0173	86.69
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0230	115.09

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-408312/2-A

Matrix: Solid | Lab File ID: 08122222.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 15:31

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	0.00943		0.00050	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	115		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	87		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D
Lims ID: LCS 180-408312/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 15:31:35 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-017
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:52:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.022	4.025	-0.003	173810502H	0.1000	0.1000	
2	4.045	4.049	-0.003	158937299H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.001	5.005	-0.004	52457653H	0.0200	0.0193	
2	4.891	4.895	-0.004	41826779H	0.0200	0.0173	
						RPD = 10.78	
5 alpha-BHC							
1	5.368	5.370	-0.002	81069979H	0.0250	0.0232	
2	5.342	5.345	-0.003	68376760H	0.0250	0.0231	
						RPD = 0.32	
7 gamma-BHC (Lindane)							
1	5.634	5.637	-0.003	70256114H	0.0250	0.0234	
2	5.638	5.641	-0.003	58730279H	0.0250	0.0236	
						RPD = 0.84	
8 beta-BHC							
1	5.800	5.804	-0.004	30093984H	0.0250	0.0220	
2	5.878	5.882	-0.004	26275735H	0.0250	0.0223	
						RPD = 1.30	
10 delta-BHC							
1	6.001	6.005	-0.004	48265023H	0.0250	0.0169	
2	6.103	6.106	-0.003	43363806H	0.0250	0.0183	
						RPD = 7.43	
11 Heptachlor							
1	6.100	6.104	-0.004	61328206H	0.0250	0.0255	
2	5.956	5.960	-0.004	51396182H	0.0250	0.0250	
						RPD = 1.72	
13 Aldrin							
1	6.382	6.385	-0.003	62026606H	0.0250	0.0236	
2	6.220	6.224	-0.004	55162813H	0.0250	0.0240	
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.740	6.745	-0.005	53534151H	0.0250	0.0235	
2	6.661	6.665	-0.004	46998078H	0.0250	0.0234	
						RPD = 0.41	
18 trans-Chlordane							
1	6.959	6.963	-0.004	52982606H	0.0250	0.0225	
2	6.886	6.890	-0.004	47446935H	0.0250	0.0230	
						RPD = 2.04	
20 cis-Chlordane							
1	7.025	7.030	-0.005	49983619H	0.0250	0.0225	
2	6.945	6.949	-0.004	44659142H	0.0250	0.0224	
						RPD = 0.53	
22 Endosulfan I							
1	7.072	7.076	-0.004	47604867H	0.0250	0.0225	
2	7.010	7.015	-0.005	42240846H	0.0250	0.0228	
						RPD = 1.18	
23 4,4'-DDE							
1	7.173	7.178	-0.005	51373896H	0.0250	0.0251	
2	7.079	7.083	-0.004	45316854H	0.0250	0.0259	
						RPD = 3.13	
26 Dieldrin							
1	7.310	7.315	-0.005	52655484H	0.0250	0.0264	
2	7.251	7.255	-0.004	46329678H	0.0250	0.0251	
						RPD = 4.95	
27 Endrin							
1	7.513	7.517	-0.004	44420804H	0.0250	0.0269	
2	7.514	7.517	-0.003	37887560H	0.0250	0.0262	
						RPD = 2.36	
30 4,4'-DDD							
1	7.632	7.637	-0.005	38959308H	0.0250	0.0252	
2	7.592	7.595	-0.003	35785697H	0.0250	0.0249	
						RPD = 1.04	
31 Endosulfan II							
1	7.711	7.716	-0.005	41727401H	0.0250	0.0281	
2	7.775	7.780	-0.005	36201288H	0.0250	0.0268	
						RPD = 4.93	
32 Endrin aldehyde							
1	7.829	7.834	-0.005	32391960H	0.0250	0.0251	
2	7.936	7.941	-0.005	27969082H	0.0250	0.0236	
						RPD = 6.33	
33 4,4'-DDT							
1	7.908	7.912	-0.004	38377429H	0.0250	0.0279	
2	7.831	7.835	-0.004	33859654H	0.0250	0.0260	
						RPD = 6.99	
34 Endosulfan sulfate							
1	8.039	8.045	-0.006	35356268H	0.0250	0.0237	
2	8.153	8.158	-0.005	29497387H	0.0250	0.0229	
						RPD = 3.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.374	8.378	-0.004	17021166H	0.0250	0.0279	
2	8.380	8.385	-0.005	15344403H	0.0250	0.0276	
						RPD = 1.16	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	111974666H	0.1000	0.1000	
2	8.207	8.211	-0.004	109500455H	0.1000	0.1000	
37 Endrin ketone							
1	8.532	8.536	-0.004	35697544H	0.0250	0.0271	
2	8.744	8.748	-0.004	29882129H	0.0250	0.0272	
						RPD = 0.20	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.410	10.416	-0.006	15681797H	0.0200	0.0226	
2	10.370	10.374	-0.004	13862435H	0.0200	0.0230	
						RPD = 1.88	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

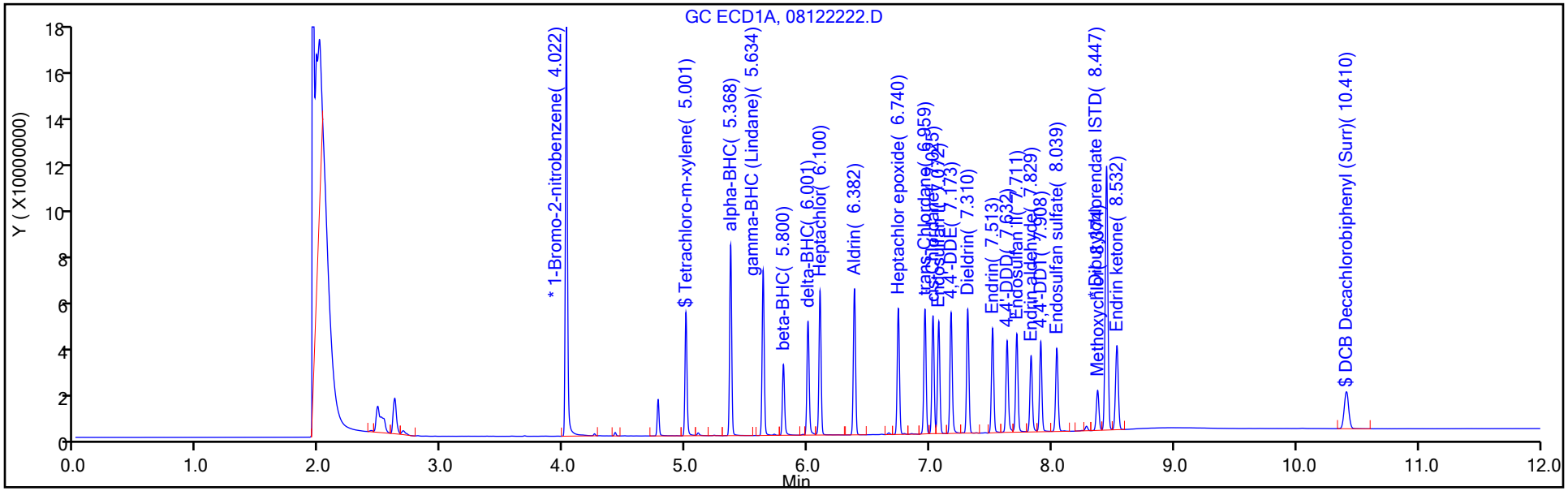
Report Date: 12-Aug-2022 15:52:01 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

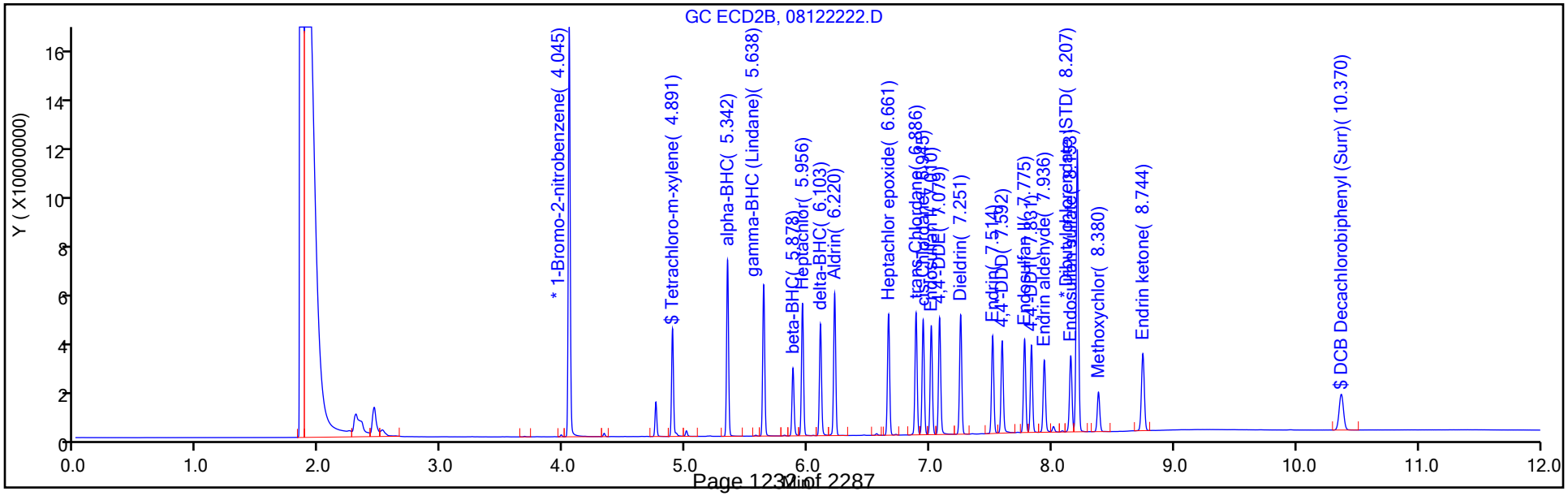
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D

Injection Date:	12-Aug-2022 15:31:35	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LCS 180-408312/2-A			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122222.D
Lims ID: LCS 180-408312/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Aug-2022 15:31:35 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-017
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 13:45:07 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 15:52:00

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0193	96.56
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0226	112.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0173	86.69
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0230	115.09

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-408312/3-A

Matrix: Solid | Lab File ID: 08122223.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 15:47

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-44-8	Heptachlor	0.00981		0.00050	0.00018
1024-57-3	Heptachlor epoxide	0.00913		0.00050	0.00014
72-43-5	Methoxychlor	0.0110	*+	0.00050	0.00031

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	107		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	92		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D
Lims ID: LCSD 180-408312/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 15:47:25 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-018
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 16:08:44 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:08:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.023	4.025	-0.003	179548672H	0.1000	0.1000	
2	4.046	4.049	-0.003	163086140H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.001	5.005	-0.004	51556160H	0.0200	0.0184	
2	4.891	4.895	-0.004	41308622H	0.0200	0.0167	
						RPD = 9.62	
5 alpha-BHC							
1	5.368	5.370	-0.002	80370935H	0.0250	0.0222	
2	5.343	5.345	-0.002	67678358H	0.0250	0.0223	
						RPD = 0.19	
7 gamma-BHC (Lindane)							
1	5.634	5.637	-0.003	70360983H	0.0250	0.0227	
2	5.638	5.641	-0.003	58634650H	0.0250	0.0229	
						RPD = 1.20	
8 beta-BHC							
1	5.800	5.804	-0.004	29918860H	0.0250	0.0212	
2	5.877	5.882	-0.005	26461578H	0.0250	0.0219	
						RPD = 3.26	
10 delta-BHC							
1	6.001	6.005	-0.004	47995528H	0.0250	0.0163	
2	6.103	6.106	-0.003	42446638H	0.0250	0.0174	
						RPD = 6.52	
11 Heptachlor							
1	6.100	6.104	-0.004	61012558H	0.0250	0.0245	
2	5.955	5.960	-0.005	50537297H	0.0250	0.0240	
						RPD = 2.22	
13 Aldrin							
1	6.381	6.385	-0.004	63230485H	0.0250	0.0233	
2	6.219	6.224	-0.005	54112737H	0.0250	0.0230	
						RPD = 1.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.741	6.745	-0.004	53684373H	0.0250	0.0228	
2	6.659	6.665	-0.006	46080178H	0.0250	0.0224	
						RPD = 1.99	
18 trans-Chlordane							
1	6.959	6.963	-0.004	53504915H	0.0250	0.0220	
2	6.885	6.890	-0.005	47081044H	0.0250	0.0222	
						RPD = 0.96	
20 cis-Chlordane							
1	7.025	7.030	-0.005	50304520H	0.0250	0.0219	
2	6.944	6.949	-0.005	44001856H	0.0250	0.0215	
						RPD = 1.98	
22 Endosulfan I							
1	7.072	7.076	-0.004	46730968H	0.0250	0.0214	
2	7.010	7.015	-0.005	41284882H	0.0250	0.0217	
						RPD = 1.42	
23 4,4'-DDE							
1	7.173	7.178	-0.005	51697798H	0.0250	0.0250	
2	7.078	7.083	-0.005	44831528H	0.0250	0.0257	
						RPD = 2.75	
26 Dieldrin							
1	7.310	7.315	-0.005	52772026H	0.0250	0.0261	
2	7.250	7.255	-0.005	45789247H	0.0250	0.0248	
						RPD = 5.02	
27 Endrin							
1	7.513	7.517	-0.004	43407598H	0.0250	0.0259	
2	7.514	7.517	-0.003	37659256H	0.0250	0.0261	
						RPD = 0.67	
30 4,4'-DDD							
1	7.632	7.637	-0.005	38947036H	0.0250	0.0249	
2	7.590	7.595	-0.005	35758855H	0.0250	0.0249	
						RPD = 0.24	
31 Endosulfan II							
1	7.713	7.716	-0.003	41204689H	0.0250	0.0274	
2	7.775	7.780	-0.005	36094632H	0.0250	0.0267	
						RPD = 2.64	
32 Endrin aldehyde							
1	7.829	7.834	-0.005	32981818H	0.0250	0.0253	
2	7.937	7.941	-0.004	27820353H	0.0250	0.0235	
						RPD = 7.34	
33 4,4'-DDT							
1	7.908	7.912	-0.004	37172528H	0.0250	0.0267	
2	7.832	7.835	-0.003	32985420H	0.0250	0.0253	
						RPD = 5.10	
34 Endosulfan sulfate							
1	8.039	8.045	-0.006	35365956H	0.0250	0.0234	
2	8.154	8.158	-0.004	28955463H	0.0250	0.0225	
						RPD = 4.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.374	8.378	-0.004	16945228H	0.0250	0.0274	
2	8.380	8.385	-0.005	15010996H	0.0250	0.0270	
						RPD = 1.58	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	113336472H	0.1000	0.1000	
2	8.207	8.211	-0.004	109373149H	0.1000	0.1000	
37 Endrin ketone							
1	8.532	8.536	-0.004	34636223H	0.0250	0.0260	
2	8.744	8.748	-0.004	29238936H	0.0250	0.0266	
						RPD = 2.37	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.413	10.416	-0.003	15013634H	0.0200	0.0214	
2	10.370	10.374	-0.004	13713340H	0.0200	0.0228	
						RPD = 6.48	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

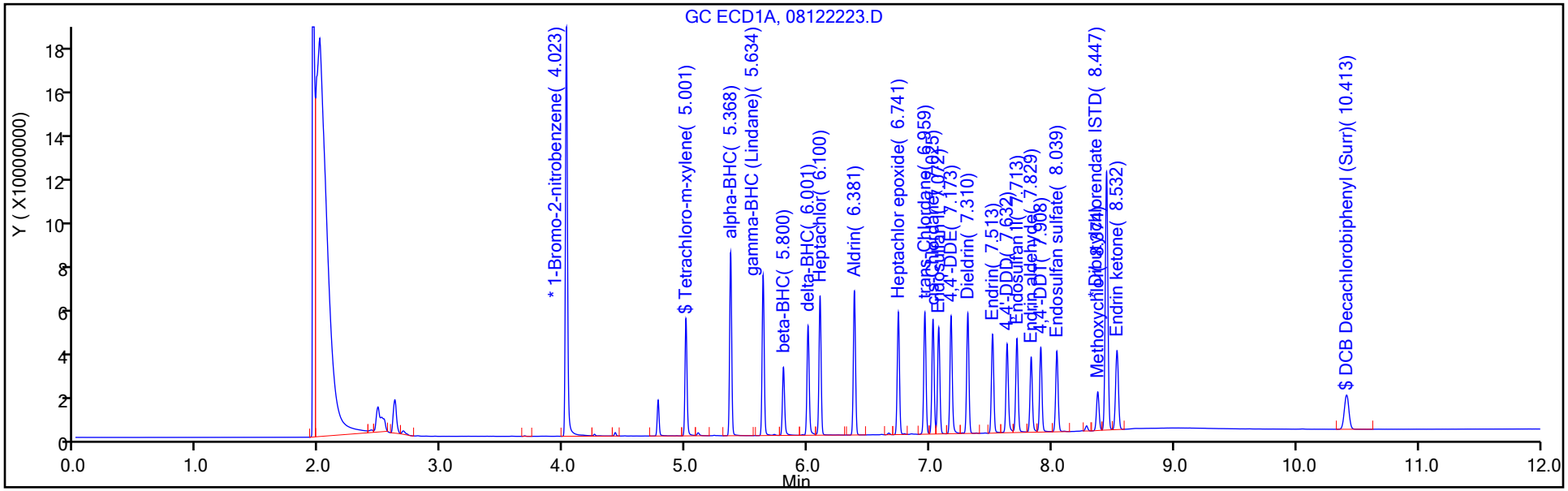
Report Date: 12-Aug-2022 16:08:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

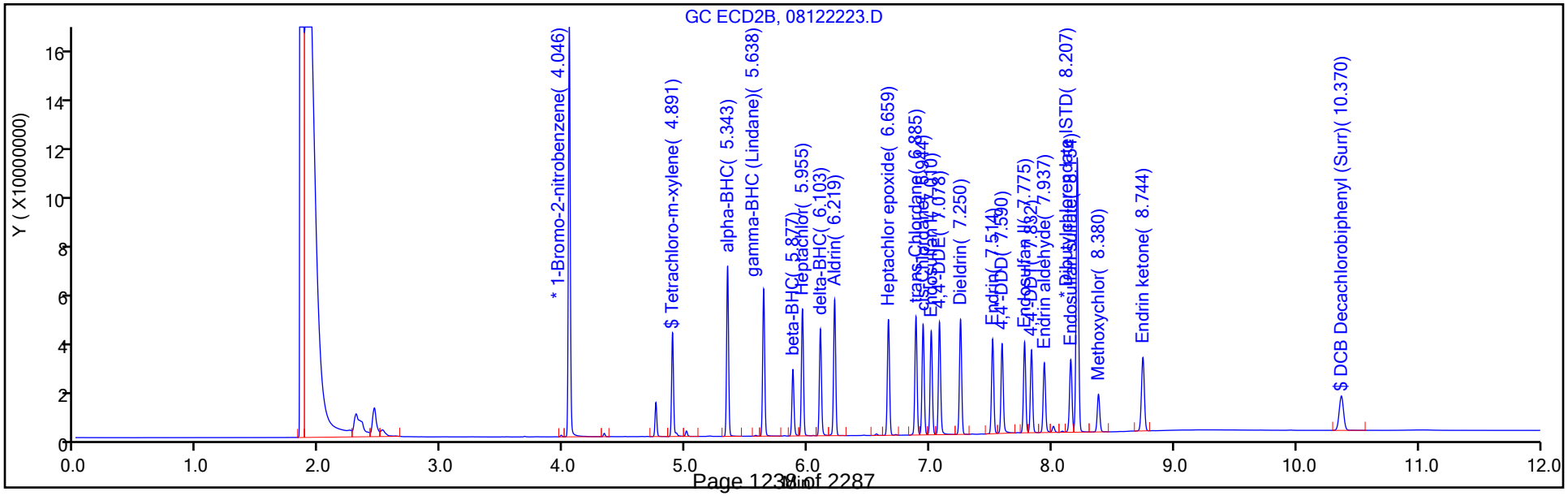
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D

Injection Date:	12-Aug-2022 15:47:25	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LCSD 180-408312/3-A			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D
Lims ID: LCSD 180-408312/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 15:47:25 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-018
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 16:08:44 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:08:44

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0184	91.87
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0214	106.83

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0167	83.43
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0228	113.98

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-408312/3-A

Matrix: Solid | Lab File ID: 08122223.D

Analysis Method: EPA 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/11/2022 05:50

Sample wt/vol: 100(mL) | Date Analyzed: 08/12/2022 15:47

Con. Extract Vol.: 40.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408450 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	Endrin	0.0104		0.00050	0.000091
58-89-9	gamma-BHC (Lindane)	0.00917		0.00050	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	114		48-137
877-09-8	Tetrachloro-m-xylene (Surr)	83		56-137

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D
Lims ID: LCSD 180-408312/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 15:47:25 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-018
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 16:08:44 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:08:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 2 1-Bromo-2-nitrobenzene							
1	4.023	4.025	-0.003	179548672H	0.1000	0.1000	
2	4.046	4.049	-0.003	163086140H	0.1000	0.1000	
$ 3 Tetrachloro-m-xylene							
1	5.001	5.005	-0.004	51556160H	0.0200	0.0184	
2	4.891	4.895	-0.004	41308622H	0.0200	0.0167	
						RPD = 9.62	
5 alpha-BHC							
1	5.368	5.370	-0.002	80370935H	0.0250	0.0222	
2	5.343	5.345	-0.002	67678358H	0.0250	0.0223	
						RPD = 0.19	
7 gamma-BHC (Lindane)							
1	5.634	5.637	-0.003	70360983H	0.0250	0.0227	
2	5.638	5.641	-0.003	58634650H	0.0250	0.0229	
						RPD = 1.20	
8 beta-BHC							
1	5.800	5.804	-0.004	29918860H	0.0250	0.0212	
2	5.877	5.882	-0.005	26461578H	0.0250	0.0219	
						RPD = 3.26	
10 delta-BHC							
1	6.001	6.005	-0.004	47995528H	0.0250	0.0163	
2	6.103	6.106	-0.003	42446638H	0.0250	0.0174	
						RPD = 6.52	
11 Heptachlor							
1	6.100	6.104	-0.004	61012558H	0.0250	0.0245	
2	5.955	5.960	-0.005	50537297H	0.0250	0.0240	
						RPD = 2.22	
13 Aldrin							
1	6.381	6.385	-0.004	63230485H	0.0250	0.0233	
2	6.219	6.224	-0.005	54112737H	0.0250	0.0230	
						RPD = 1.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
16 Heptachlor epoxide							
1	6.741	6.745	-0.004	53684373H	0.0250	0.0228	
2	6.659	6.665	-0.006	46080178H	0.0250	0.0224	
						RPD = 1.99	
18 trans-Chlordane							
1	6.959	6.963	-0.004	53504915H	0.0250	0.0220	
2	6.885	6.890	-0.005	47081044H	0.0250	0.0222	
						RPD = 0.96	
20 cis-Chlordane							
1	7.025	7.030	-0.005	50304520H	0.0250	0.0219	
2	6.944	6.949	-0.005	44001856H	0.0250	0.0215	
						RPD = 1.98	
22 Endosulfan I							
1	7.072	7.076	-0.004	46730968H	0.0250	0.0214	
2	7.010	7.015	-0.005	41284882H	0.0250	0.0217	
						RPD = 1.42	
23 4,4'-DDE							
1	7.173	7.178	-0.005	51697798H	0.0250	0.0250	
2	7.078	7.083	-0.005	44831528H	0.0250	0.0257	
						RPD = 2.75	
26 Dieldrin							
1	7.310	7.315	-0.005	52772026H	0.0250	0.0261	
2	7.250	7.255	-0.005	45789247H	0.0250	0.0248	
						RPD = 5.02	
27 Endrin							
1	7.513	7.517	-0.004	43407598H	0.0250	0.0259	
2	7.514	7.517	-0.003	37659256H	0.0250	0.0261	
						RPD = 0.67	
30 4,4'-DDD							
1	7.632	7.637	-0.005	38947036H	0.0250	0.0249	
2	7.590	7.595	-0.005	35758855H	0.0250	0.0249	
						RPD = 0.24	
31 Endosulfan II							
1	7.713	7.716	-0.003	41204689H	0.0250	0.0274	
2	7.775	7.780	-0.005	36094632H	0.0250	0.0267	
						RPD = 2.64	
32 Endrin aldehyde							
1	7.829	7.834	-0.005	32981818H	0.0250	0.0253	
2	7.937	7.941	-0.004	27820353H	0.0250	0.0235	
						RPD = 7.34	
33 4,4'-DDT							
1	7.908	7.912	-0.004	37172528H	0.0250	0.0267	
2	7.832	7.835	-0.003	32985420H	0.0250	0.0253	
						RPD = 5.10	
34 Endosulfan sulfate							
1	8.039	8.045	-0.006	35365956H	0.0250	0.0234	
2	8.154	8.158	-0.004	28955463H	0.0250	0.0225	
						RPD = 4.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methoxychlor							
1	8.374	8.378	-0.004	16945228H	0.0250	0.0274	
2	8.380	8.385	-0.005	15010996H	0.0250	0.0270	
						RPD = 1.58	
* 36 Dibutylchlorendate ISTD							
1	8.447	8.451	-0.004	113336472H	0.1000	0.1000	
2	8.207	8.211	-0.004	109373149H	0.1000	0.1000	
37 Endrin ketone							
1	8.532	8.536	-0.004	34636223H	0.0250	0.0260	
2	8.744	8.748	-0.004	29238936H	0.0250	0.0266	
						RPD = 2.37	
$ 39 DCB Decachlorobiphenyl (Surr)							
1	10.413	10.416	-0.003	15013634H	0.0200	0.0214	
2	10.370	10.374	-0.004	13713340H	0.0200	0.0228	
						RPD = 6.48	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCPESTISSPK2_00028 Amount Added: 0.02 Units: mL Run Reagent

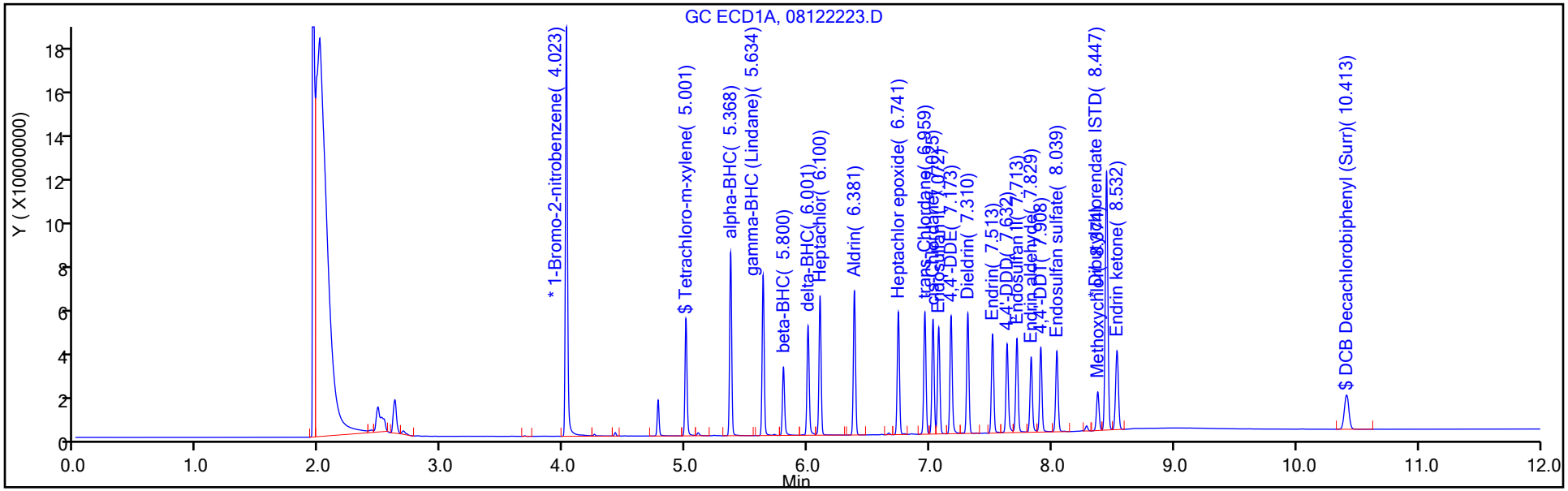
Report Date: 12-Aug-2022 16:08:45 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

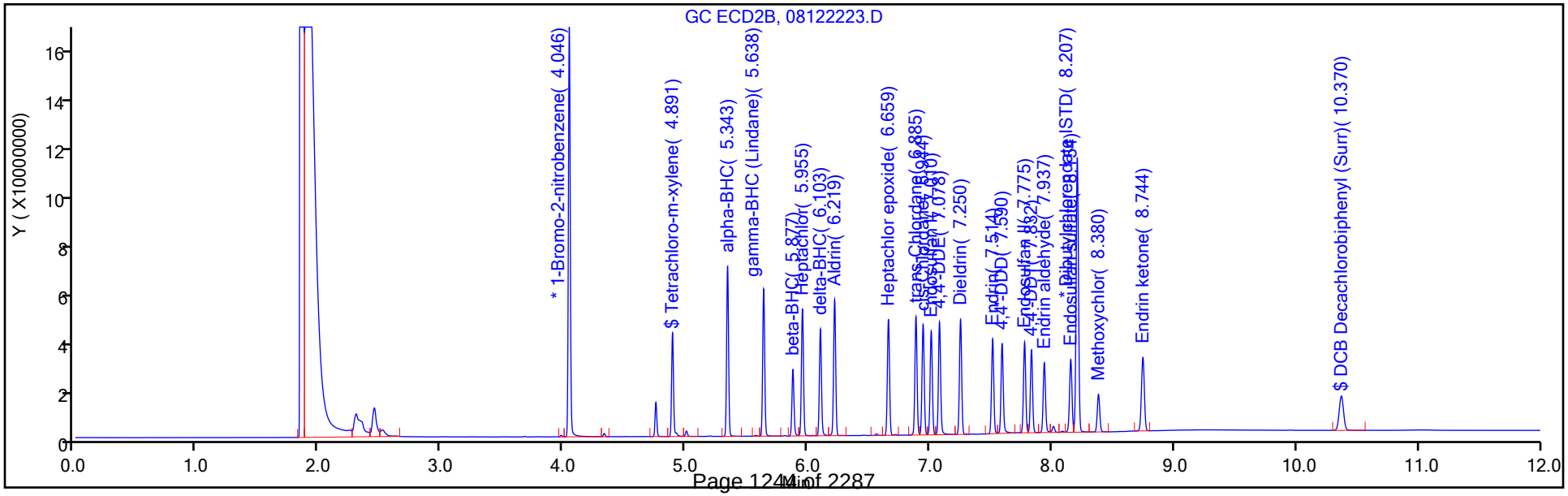
Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D

Injection Date:	12-Aug-2022 15:47:25	Instrument ID:	CHGC17	Operator ID:	
Lims ID:	LCSD 180-408312/3-A			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	IS PEST_CHGC17	Limit Group:	GCS 8081B ICAL with IS		

Column: MR-1 (0.53 mm)



Column: MR-2 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\08122223.D
Lims ID: LCSD 180-408312/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Aug-2022 15:47:25 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044200-018
Operator ID: Instrument ID: CHGC17

Method: \\chromfs\Pittsburgh\ChromData\CHGC17\20220812-44200.b\IS PEST_CHGC17.m
Limit Group: GCS 8081B ICAL with IS
Last Update: 12-Aug-2022 16:08:44 Calib Date: 05-May-2022 17:02:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC17\20220505-42701.b\05052229.D

Column 1 : MR-1 (0.53 mm) Det: GC ECD1A
Column 2 : MR-2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1601

First Level Reviewer: FM8W Date: 12-Aug-2022 16:08:44

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0184	91.87
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0214	106.83

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0167	83.43
$ 39 DCB Decachlorobiphenyl (Surr)	0.0200	0.0228	113.98

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/05/2022 09:38

Analysis Batch Number: 397721 End Date: 05/06/2022 02:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-397721/1		05/05/2022 09:38	1		MR-1 0.53(mm)
PEM 180-397721/1		05/05/2022 09:38	1		MR-2 0.53(mm)
IC 180-397721/2		05/05/2022 09:53	1	05052202.D	MR-1 0.53(mm)
IC 180-397721/2		05/05/2022 09:53	1	05052202.D	MR-2 0.53(mm)
IC 180-397721/3		05/05/2022 10:09	1	05052203.D	MR-1 0.53(mm)
IC 180-397721/3		05/05/2022 10:09	1	05052203.D	MR-2 0.53(mm)
IC 180-397721/4		05/05/2022 10:25	1	05052204.D	MR-1 0.53(mm)
IC 180-397721/4		05/05/2022 10:25	1	05052204.D	MR-2 0.53(mm)
IC 180-397721/5		05/05/2022 10:41	1	05052205.D	MR-1 0.53(mm)
IC 180-397721/5		05/05/2022 10:41	1	05052205.D	MR-2 0.53(mm)
IC 180-397721/6		05/05/2022 10:57	1	05052206.D	MR-1 0.53(mm)
IC 180-397721/6		05/05/2022 10:57	1	05052206.D	MR-2 0.53(mm)
IC 180-397721/7		05/05/2022 11:13	1	05052207.D	MR-1 0.53(mm)
IC 180-397721/7		05/05/2022 11:13	1	05052207.D	MR-2 0.53(mm)
IC 180-397721/8		05/05/2022 11:29	1	05052208.D	MR-1 0.53(mm)
IC 180-397721/8		05/05/2022 11:29	1	05052208.D	MR-2 0.53(mm)
IC 180-397721/9		05/05/2022 11:45	1	05052209.D	MR-1 0.53(mm)
IC 180-397721/9		05/05/2022 11:45	1	05052209.D	MR-2 0.53(mm)
IC 180-397721/10		05/05/2022 12:00	1	05052210.D	MR-1 0.53(mm)
IC 180-397721/10		05/05/2022 12:00	1	05052210.D	MR-2 0.53(mm)
IC 180-397721/11		05/05/2022 12:16	1	05052211.D	MR-1 0.53(mm)
IC 180-397721/11		05/05/2022 12:16	1	05052211.D	MR-2 0.53(mm)
IC 180-397721/12		05/05/2022 12:32	1		MR-1 0.53(mm)
IC 180-397721/12		05/05/2022 12:32	1		MR-2 0.53(mm)
IC 180-397721/13		05/05/2022 12:48	1		MR-1 0.53(mm)
IC 180-397721/13		05/05/2022 12:48	1		MR-2 0.53(mm)
IC 180-397721/14		05/05/2022 13:04	1		MR-1 0.53(mm)
IC 180-397721/14		05/05/2022 13:04	1		MR-2 0.53(mm)
IC 180-397721/15		05/05/2022 13:20	1		MR-1 0.53(mm)
IC 180-397721/15		05/05/2022 13:20	1		MR-2 0.53(mm)
IC 180-397721/16		05/05/2022 13:36	1		MR-1 0.53(mm)
IC 180-397721/16		05/05/2022 13:36	1		MR-2 0.53(mm)
IC 180-397721/17		05/05/2022 13:52	1		MR-1 0.53(mm)
IC 180-397721/17		05/05/2022 13:52	1		MR-2 0.53(mm)
IC 180-397721/18		05/05/2022 14:07	1		MR-1 0.53(mm)
IC 180-397721/18		05/05/2022 14:07	1		MR-2 0.53(mm)
IC 180-397721/19		05/05/2022 14:23	1		MR-1 0.53(mm)
IC 180-397721/19		05/05/2022 14:23	1		MR-2 0.53(mm)
IC 180-397721/20		05/05/2022 14:39	1		MR-1 0.53(mm)
IC 180-397721/20		05/05/2022 14:39	1		MR-2 0.53(mm)
IC 180-397721/21		05/05/2022 14:55	1		MR-1 0.53(mm)
IC 180-397721/21		05/05/2022 14:55	1		MR-2 0.53(mm)
IC 180-397721/22		05/05/2022 15:11	1		MR-1 0.53(mm)
IC 180-397721/22		05/05/2022 15:11	1		MR-2 0.53(mm)
IC 180-397721/23		05/05/2022 15:27	1		MR-1 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/05/2022 09:38

Analysis Batch Number: 397721 End Date: 05/06/2022 02:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-397721/23		05/05/2022 15:27	1		MR-2 0.53(mm)
IC 180-397721/24		05/05/2022 15:43	1	05052224.D	MR-1 0.53(mm)
IC 180-397721/24		05/05/2022 15:43	1	05052224.D	MR-2 0.53(mm)
IC 180-397721/25		05/05/2022 15:59	1	05052225.D	MR-1 0.53(mm)
IC 180-397721/25		05/05/2022 15:59	1	05052225.D	MR-2 0.53(mm)
ICIS 180-397721/26		05/05/2022 16:15	1	05052226.D	MR-1 0.53(mm)
ICIS 180-397721/26		05/05/2022 16:15	1	05052226.D	MR-2 0.53(mm)
IC 180-397721/27		05/05/2022 16:30	1	05052227.D	MR-1 0.53(mm)
IC 180-397721/27		05/05/2022 16:30	1	05052227.D	MR-2 0.53(mm)
IC 180-397721/28		05/05/2022 16:46	1	05052228.D	MR-1 0.53(mm)
IC 180-397721/28		05/05/2022 16:46	1	05052228.D	MR-2 0.53(mm)
IC 180-397721/29		05/05/2022 17:02	1	05052229.D	MR-1 0.53(mm)
IC 180-397721/29		05/05/2022 17:02	1	05052229.D	MR-2 0.53(mm)
ICV 180-397721/30		05/05/2022 17:18	1	05052230.D	MR-1 0.53(mm)
ICV 180-397721/30		05/05/2022 17:18	1	05052230.D	MR-2 0.53(mm)
ICV 180-397721/31		05/05/2022 17:34	1	05052231.D	MR-1 0.53(mm)
ICV 180-397721/31		05/05/2022 17:34	1	05052231.D	MR-2 0.53(mm)
ICV 180-397721/32		05/05/2022 17:50	1	05052232.D	MR-1 0.53(mm)
ICV 180-397721/32		05/05/2022 17:50	1	05052232.D	MR-2 0.53(mm)
ICV 180-397721/33		05/05/2022 18:06	1	05052233.D	MR-1 0.53(mm)
ICV 180-397721/33		05/05/2022 18:06	1	05052233.D	MR-2 0.53(mm)
ICV 180-397721/34		05/05/2022 18:22	1	05052234.D	MR-1 0.53(mm)
ICV 180-397721/34		05/05/2022 18:22	1	05052234.D	MR-2 0.53(mm)
ICV 180-397721/35		05/05/2022 18:37	1	05052235.D	MR-1 0.53(mm)
ICV 180-397721/35		05/05/2022 18:37	1	05052235.D	MR-2 0.53(mm)
PEM 180-397721/36		05/05/2022 18:53	1		MR-1 0.53(mm)
PEM 180-397721/36		05/05/2022 18:53	1		MR-2 0.53(mm)
ZZZZZ		05/05/2022 23:07	1		MR-1 0.53(mm)
ZZZZZ		05/05/2022 23:07	1		MR-2 0.53(mm)
ZZZZZ		05/05/2022 23:23	1		MR-1 0.53(mm)
ZZZZZ		05/05/2022 23:23	1		MR-2 0.53(mm)
ZZZZZ		05/05/2022 23:39	1		MR-1 0.53(mm)
ZZZZZ		05/05/2022 23:39	1		MR-2 0.53(mm)
ZZZZZ		05/05/2022 23:55	1		MR-1 0.53(mm)
ZZZZZ		05/05/2022 23:55	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 00:11	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 00:11	1		MR-2 0.53(mm)
PEM 180-397721/57		05/06/2022 00:27	1		MR-1 0.53(mm)
PEM 180-397721/57		05/06/2022 00:27	1		MR-2 0.53(mm)
CCV 180-397721/58		05/06/2022 00:43	1		MR-1 0.53(mm)
CCV 180-397721/58		05/06/2022 00:43	1		MR-2 0.53(mm)
CCV 180-397721/59		05/06/2022 00:59	1		MR-1 0.53(mm)
CCV 180-397721/59		05/06/2022 00:59	1		MR-2 0.53(mm)
CCV 180-397721/60		05/06/2022 01:14	1		MR-1 0.53(mm)
CCV 180-397721/60		05/06/2022 01:14	1		MR-2 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/05/2022 09:38

Analysis Batch Number: 397721 End Date: 05/06/2022 02:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-397721/61		05/06/2022 01:30	1		MR-1 0.53(mm)
CCV 180-397721/61		05/06/2022 01:30	1		MR-2 0.53(mm)
CCVIS 180-397721/62		05/06/2022 01:46	1		MR-1 0.53(mm)
CCVIS 180-397721/62		05/06/2022 01:46	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 02:02	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 02:02	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 02:18	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 02:18	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 02:34	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 02:34	1		MR-2 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/06/2022 08:12

Analysis Batch Number: 397875 End Date: 05/07/2022 04:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-397875/1		05/06/2022 08:12	1		MR-1 0.53(mm)
PEM 180-397875/1		05/06/2022 08:12	1		MR-2 0.53(mm)
ICV 180-397875/2		05/06/2022 08:28	1	05062202.D	MR-1 0.53(mm)
ICV 180-397875/2		05/06/2022 08:28	1	05062202.D	MR-2 0.53(mm)
CCV 180-397875/3		05/06/2022 08:44	1		MR-1 0.53(mm)
CCV 180-397875/3		05/06/2022 08:44	1		MR-2 0.53(mm)
CCV 180-397875/4		05/06/2022 09:00	1		MR-1 0.53(mm)
CCV 180-397875/4		05/06/2022 09:00	1		MR-2 0.53(mm)
CCVIS 180-397875/5		05/06/2022 09:16	1		MR-1 0.53(mm)
CCVIS 180-397875/5		05/06/2022 09:16	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 09:32	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 09:32	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 09:47	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 09:47	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 10:03	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 10:03	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 10:19	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 10:19	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 10:35	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 10:35	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 10:51	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 10:51	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 11:07	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 11:07	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 11:23	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 11:23	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 11:39	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 11:39	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 11:55	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 11:55	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 12:11	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 12:11	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 12:27	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 12:27	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 12:43	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 12:43	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 12:59	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 12:59	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 13:15	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 13:15	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 13:31	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 13:31	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 13:47	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 13:47	1		MR-2 0.53(mm)
PEM 180-397875/23		05/06/2022 14:03	1		MR-1 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/06/2022 08:12

Analysis Batch Number: 397875 End Date: 05/07/2022 04:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-397875/23		05/06/2022 14:03	1		MR-2 0.53(mm)
CCV 180-397875/24		05/06/2022 14:19	1		MR-1 0.53(mm)
CCV 180-397875/24		05/06/2022 14:19	1		MR-2 0.53(mm)
CCV 180-397875/25		05/06/2022 14:34	1		MR-1 0.53(mm)
CCV 180-397875/25		05/06/2022 14:34	1		MR-2 0.53(mm)
ICV 180-397875/26		05/06/2022 14:51	1	05062226.D	MR-1 0.53(mm)
ICV 180-397875/26		05/06/2022 14:51	1	05062226.D	MR-2 0.53(mm)
ICV 180-397875/27		05/06/2022 15:06	1	05062227.D	MR-1 0.53(mm)
ICV 180-397875/27		05/06/2022 15:06	1	05062227.D	MR-2 0.53(mm)
ICV 180-397875/28		05/06/2022 15:22	1	05062228.D	MR-1 0.53(mm)
ICV 180-397875/28		05/06/2022 15:22	1	05062228.D	MR-2 0.53(mm)
CCVIS 180-397875/29		05/06/2022 15:38	1		MR-1 0.53(mm)
CCVIS 180-397875/29		05/06/2022 15:38	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 15:54	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 15:54	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 16:10	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 16:10	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 16:26	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 16:26	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 16:42	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 16:42	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 16:58	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 16:58	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 17:14	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 17:14	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 17:30	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 17:30	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 17:46	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 17:46	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 18:02	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 18:02	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 18:18	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 18:18	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 18:34	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 18:34	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 18:50	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 18:50	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 19:06	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 19:06	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 19:22	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 19:22	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 19:37	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 19:37	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 19:53	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 19:53	1		MR-2 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/06/2022 08:12

Analysis Batch Number: 397875 End Date: 05/07/2022 04:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/06/2022 20:09	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 20:09	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 20:25	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 20:25	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 20:41	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 20:41	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 20:57	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 20:57	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 21:13	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 21:13	1		MR-2 0.53(mm)
PEM 180-397875/51		05/06/2022 21:29	1		MR-1 0.53(mm)
PEM 180-397875/51		05/06/2022 21:29	1		MR-2 0.53(mm)
CCV 180-397875/52		05/06/2022 21:45	1		MR-1 0.53(mm)
CCV 180-397875/52		05/06/2022 21:45	1		MR-2 0.53(mm)
CCV 180-397875/53		05/06/2022 22:01	1		MR-1 0.53(mm)
CCV 180-397875/53		05/06/2022 22:01	1		MR-2 0.53(mm)
CCV 180-397875/54		05/06/2022 22:17	1		MR-1 0.53(mm)
CCV 180-397875/54		05/06/2022 22:17	1		MR-2 0.53(mm)
CCV 180-397875/68		05/06/2022 22:33	1		MR-1 0.53(mm)
CCV 180-397875/68		05/06/2022 22:33	1		MR-2 0.53(mm)
CCVIS 180-397875/55		05/06/2022 22:48	1		MR-1 0.53(mm)
CCVIS 180-397875/55		05/06/2022 22:48	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 23:04	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 23:04	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 23:20	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 23:20	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 23:36	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 23:36	1		MR-2 0.53(mm)
ZZZZZ		05/06/2022 23:52	1		MR-1 0.53(mm)
ZZZZZ		05/06/2022 23:52	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 00:08	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 00:08	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 00:24	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 00:24	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 00:40	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 00:40	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 00:56	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 00:56	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 01:12	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 01:12	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 01:28	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 01:28	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 01:44	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 01:44	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 01:59	1		MR-1 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 05/06/2022 08:12

Analysis Batch Number: 397875 End Date: 05/07/2022 04:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/07/2022 01:59	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 02:15	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 02:15	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 02:31	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 02:31	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 02:47	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 02:47	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 03:03	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 03:03	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 03:19	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 03:19	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 03:35	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 03:35	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 03:51	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 03:51	1		MR-2 0.53(mm)
ZZZZZ		05/07/2022 04:07	1		MR-1 0.53(mm)
ZZZZZ		05/07/2022 04:07	1		MR-2 0.53(mm)
CCVL 180-397875/77		05/07/2022 04:23	1		MR-1 0.53(mm)
CCVL 180-397875/77		05/07/2022 04:23	1		MR-2 0.53(mm)
CCVL 180-397875/78		05/07/2022 04:39	1		MR-1 0.53(mm)
CCVL 180-397875/78		05/07/2022 04:39	1		MR-2 0.53(mm)
CCVL 180-397875/79		05/07/2022 04:55	1		MR-1 0.53(mm)
CCVL 180-397875/79		05/07/2022 04:55	1		MR-2 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 08/12/2022 11:17

Analysis Batch Number: 408450 End Date: 08/12/2022 21:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-408450/1		08/12/2022 11:17	1	08122206.D	MR-1 0.53(mm)
PEM 180-408450/1		08/12/2022 11:17	1	08122206.D	MR-2 0.53(mm)
CCV 180-408450/2		08/12/2022 11:33	1	08122207.D	MR-1 0.53(mm)
CCV 180-408450/2		08/12/2022 11:33	1	08122207.D	MR-2 0.53(mm)
CCV 180-408450/3		08/12/2022 11:49	1	08122208.D	MR-1 0.53(mm)
CCV 180-408450/3		08/12/2022 11:49	1	08122208.D	MR-2 0.53(mm)
CCV 180-408450/4		08/12/2022 12:05	1	08122209.D	MR-1 0.53(mm)
CCV 180-408450/4		08/12/2022 12:05	1	08122209.D	MR-2 0.53(mm)
CCV 180-408450/5		08/12/2022 12:21	1	08122210.D	MR-1 0.53(mm)
CCV 180-408450/5		08/12/2022 12:21	1	08122210.D	MR-2 0.53(mm)
CCVIS 180-408450/6		08/12/2022 12:37	1	08122211.D	MR-1 0.53(mm)
CCVIS 180-408450/6		08/12/2022 12:37	1	08122211.D	MR-2 0.53(mm)
ZZZZZ		08/12/2022 12:53	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 12:53	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 13:08	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 13:08	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 13:24	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 13:24	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 13:40	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 13:40	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 13:56	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 13:56	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 14:12	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 14:12	1		MR-2 0.53(mm)
MB 180-408312/1-A		08/12/2022 15:15	1	08122221.D	MR-1 0.53(mm)
MB 180-408312/1-A		08/12/2022 15:15	1	08122221.D	MR-2 0.53(mm)
LCS 180-408312/2-A		08/12/2022 15:31	1	08122222.D	MR-1 0.53(mm)
LCS 180-408312/2-A		08/12/2022 15:31	1	08122222.D	MR-2 0.53(mm)
LCSD 180-408312/3-A		08/12/2022 15:47	1	08122223.D	MR-1 0.53(mm)
LCSD 180-408312/3-A		08/12/2022 15:47	1	08122223.D	MR-2 0.53(mm)
LB 180-408025/1-C		08/12/2022 16:03	1	08122224.D	MR-1 0.53(mm)
LB 180-408025/1-C		08/12/2022 16:03	1	08122224.D	MR-2 0.53(mm)
ZZZZZ		08/12/2022 16:19	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 16:19	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 16:35	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 16:35	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 16:50	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 16:50	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 17:06	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 17:06	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 17:22	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 17:22	1		MR-2 0.53(mm)
180-142292-1	TI-NA-FL-D-2207270900	08/12/2022 17:38	1	08122230.D	MR-1 0.53(mm)
180-142292-1	TI-NA-FL-D-2207270900	08/12/2022 17:38	1	08122230.D	MR-2 0.53(mm)
ZZZZZ		08/12/2022 17:54	1		MR-1 0.53(mm)

EPA 8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC17 Start Date: 08/12/2022 11:17

Analysis Batch Number: 408450 End Date: 08/12/2022 21:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/12/2022 17:54	1		MR-2 0.53(mm)
CCV 180-408450/27		08/12/2022 18:10	1		MR-1 0.53(mm)
CCV 180-408450/27		08/12/2022 18:10	1		MR-2 0.53(mm)
CCV 180-408450/28		08/12/2022 18:26	1		MR-1 0.53(mm)
CCV 180-408450/28		08/12/2022 18:26	1		MR-2 0.53(mm)
CCV 180-408450/29		08/12/2022 18:41	1		MR-1 0.53(mm)
CCV 180-408450/29		08/12/2022 18:41	1		MR-2 0.53(mm)
CCV 180-408450/30		08/12/2022 18:57	1		MR-1 0.53(mm)
CCV 180-408450/30		08/12/2022 18:57	1		MR-2 0.53(mm)
CCVIS 180-408450/31		08/12/2022 19:13	1		MR-1 0.53(mm)
CCVIS 180-408450/31		08/12/2022 19:13	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 19:29	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 19:29	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 19:45	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 19:45	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 20:01	10		MR-1 0.53(mm)
ZZZZZ		08/12/2022 20:01	10		MR-2 0.53(mm)
ZZZZZ		08/12/2022 20:17	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 20:17	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 20:33	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 20:33	1		MR-2 0.53(mm)
ZZZZZ		08/12/2022 20:48	50		MR-1 0.53(mm)
ZZZZZ		08/12/2022 20:48	50		MR-2 0.53(mm)
ZZZZZ		08/12/2022 21:04	1		MR-1 0.53(mm)
ZZZZZ		08/12/2022 21:04	1		MR-2 0.53(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397721 Batch Start Date: 05/05/22 09:38 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GC24DETICVSTD 00009	GCAPPX1ICV 00028	GCAPPX2ICV 00026	GCCHLORICV 00017	GCCHLORLEVEL1 00018	GCCHLORLEVEL2 00015
IC 180-397721/2		EPA 8081B							
IC 180-397721/3		EPA 8081B							
IC 180-397721/4		EPA 8081B							
IC 180-397721/5		EPA 8081B							
IC 180-397721/6		EPA 8081B							
IC 180-397721/7		EPA 8081B						1 mL	
IC 180-397721/8		EPA 8081B							1 mL
IC 180-397721/9		EPA 8081B							
IC 180-397721/10		EPA 8081B							
IC 180-397721/11		EPA 8081B							
IC 180-397721/24		EPA 8081B							
IC 180-397721/25		EPA 8081B							
ICIS 180-397721/26		EPA 8081B							
IC 180-397721/27		EPA 8081B							
IC 180-397721/28		EPA 8081B							
IC 180-397721/29		EPA 8081B							
ICV 180-397721/30		EPA 8081B							
ICV 180-397721/31		EPA 8081B					1 mL		
ICV 180-397721/32		EPA 8081B			1 mL				
ICV 180-397721/33		EPA 8081B				1 mL			
ICV 180-397721/34		EPA 8081B		1 mL					
ICV 180-397721/35		EPA 8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCCHLORLEVEL3 00030	GCCHLORLEVEL4 00017	GCCHLORLEVEL5 00017	GCPest L1 00040	GCPESTICVSTD 00027	GCPESTISSPK2 00027

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397721 Batch Start Date: 05/05/22 09:38 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCCHLORLEVEL3 00030	GCCHLORLEVEL4 00017	GCCHLORLEVEL5 00017	GCPest L1 00040	GCPESTICVSTD 00027	GCPESTISSPK2 00027
IC 180-397721/2		EPA 8081B							0.02 mL
IC 180-397721/3		EPA 8081B							0.02 mL
IC 180-397721/4		EPA 8081B							0.02 mL
IC 180-397721/5		EPA 8081B							0.02 mL
IC 180-397721/6		EPA 8081B							0.02 mL
IC 180-397721/7		EPA 8081B							0.02 mL
IC 180-397721/8		EPA 8081B							0.02 mL
IC 180-397721/9		EPA 8081B		1 mL					0.02 mL
IC 180-397721/10		EPA 8081B			1 mL				0.02 mL
IC 180-397721/11		EPA 8081B				1 mL			0.02 mL
IC 180-397721/24		EPA 8081B					1 mL		0.02 mL
IC 180-397721/25		EPA 8081B							0.02 mL
ICIS 180-397721/26		EPA 8081B							0.02 mL
IC 180-397721/27		EPA 8081B							0.02 mL
IC 180-397721/28		EPA 8081B							0.02 mL
IC 180-397721/29		EPA 8081B							0.02 mL
ICV 180-397721/30		EPA 8081B							0.02 mL
ICV 180-397721/31		EPA 8081B							0.02 mL
ICV 180-397721/32		EPA 8081B							0.02 mL
ICV 180-397721/33		EPA 8081B							0.02 mL
ICV 180-397721/34		EPA 8081B							0.02 mL
ICV 180-397721/35		EPA 8081B						1 mL	0.02 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCPestL2 00028	GCPestL3 00044	GCPestL4 00029	GCPestL5 00027	GCPestL6 00027	GCTOXICV 00015

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397721 Batch Start Date: 05/05/22 09:38 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCPestL2 00028	GCPestL3 00044	GCPestL4 00029	GCPestL5 00027	GCPestL6 00027	GCTOXICV 00015
IC 180-397721/2		EPA 8081B							
IC 180-397721/3		EPA 8081B							
IC 180-397721/4		EPA 8081B							
IC 180-397721/5		EPA 8081B							
IC 180-397721/6		EPA 8081B							
IC 180-397721/7		EPA 8081B							
IC 180-397721/8		EPA 8081B							
IC 180-397721/9		EPA 8081B							
IC 180-397721/10		EPA 8081B							
IC 180-397721/11		EPA 8081B							
IC 180-397721/24		EPA 8081B							
IC 180-397721/25		EPA 8081B		1 mL					
ICIS 180-397721/26		EPA 8081B			1 mL				
IC 180-397721/27		EPA 8081B				1 mL			
IC 180-397721/28		EPA 8081B					1 mL		
IC 180-397721/29		EPA 8081B						1 mL	
ICV 180-397721/30		EPA 8081B							1 mL
ICV 180-397721/31		EPA 8081B							
ICV 180-397721/32		EPA 8081B							
ICV 180-397721/33		EPA 8081B							
ICV 180-397721/34		EPA 8081B							
ICV 180-397721/35		EPA 8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCTOXLEVEL1 00018	GCTOXLEVEL2 00015	GCTOXLEVEL3 00032	GCTOXLEVEL4 00016	GCTOXLEVEL5 00020	

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397721 Batch Start Date: 05/05/22 09:38 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCTOXLEVEL1 00018	GCTOXLEVEL2 00015	GCTOXLEVEL3 00032	GCTOXLEVEL4 00016	GCTOXLEVEL5 00020	
IC 180-397721/2		EPA 8081B		1 mL					
IC 180-397721/3		EPA 8081B			1 mL				
IC 180-397721/4		EPA 8081B				1 mL			
IC 180-397721/5		EPA 8081B					1 mL		
IC 180-397721/6		EPA 8081B						1 mL	
IC 180-397721/7		EPA 8081B							
IC 180-397721/8		EPA 8081B							
IC 180-397721/9		EPA 8081B							
IC 180-397721/10		EPA 8081B							
IC 180-397721/11		EPA 8081B							
IC 180-397721/24		EPA 8081B							
IC 180-397721/25		EPA 8081B							
ICIS 180-397721/26		EPA 8081B							
IC 180-397721/27		EPA 8081B							
IC 180-397721/28		EPA 8081B							
IC 180-397721/29		EPA 8081B							
ICV 180-397721/30		EPA 8081B							
ICV 180-397721/31		EPA 8081B							
ICV 180-397721/32		EPA 8081B							
ICV 180-397721/33		EPA 8081B							
ICV 180-397721/34		EPA 8081B							
ICV 180-397721/35		EPA 8081B							

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397721 Batch Start Date: 05/05/22 09:38 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 397875 Batch Start Date: 05/06/22 08:12 Batch Analyst: Eppinger, David

Batch Method: EPA 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GC24DETICVSTD 00009	GCAPPX1ICV 00028	GCAPPX2ICV 00026	GCPESTISSPK2 00027	GCTOXICV 00015	
ICV 180-397875/2		EPA 8081B					0.02 mL	1 mL	
ICV 180-397875/26		EPA 8081B			1 mL		0.02 mL		
ICV 180-397875/27		EPA 8081B				1 mL	0.02 mL		
ICV 180-397875/28		EPA 8081B		1 mL			0.02 mL		

Batch Notes	
Dilution Solution ID	4782684

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 180-408025/1		EPA 1311, 3510C, EPA 8081B		100.00 g	2000 mL	5.00 g	96.5 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3510C, EPA 8081B	P	100.13 g	2000 mL	5.01 g	96.5 mL	9.78 SU	3.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid
LB 180-408025/1		EPA 1311, 3510C, EPA 8081B		50 Celsius		08/10/22	2 hrs	4.95 SU	TCLP Extraction Fluid #1
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3510C, EPA 8081B	P	50 Celsius	1.61 SU	08/10/22	2 hrs	6.98 SU	TCLP Extraction Fluid #1

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Batch Notes	
Hot Plate ID	TCLP-2
Thermometer ID	TCLP-2
First Start time	1100
First End time	1400
Rotator ID	# 5
Tumbler Rotations per Minute	30
Probe ID	XP1-16342
Balance ID	AND-14577823
pH Meter ID	ACCUMET-XL-150
pH Meter Calibration Slope	96.7 / 97.9
Room Temperature Thermometer ID	FISHER-160719405
Uncorrected Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Celsius
Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Degrees C
TCLP Fluid 1 ID	4888942
TCLP Fluid 1 pH	4.93
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
Lot # of Nitric Acid	4607837
1N HCl ID	4896087
Filter ID	4877852
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Analyst ID - Spike Analyst	MJC
Analyst ID - Spike Witness Analyst	RGT
Bottle Lot ID	0400401G
Room Temperature during Rotation	21.0 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Uncorrected Room Temperature	21.0 Degrees C
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408312 Batch Start Date: 08/11/22 05:50 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 08/11/22 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	op-p/pcb sur 00031	OPPESTMATRIX 00054	AnalysisComment
MB 180-408312/1		3510C, EPA 8081B		100 mL	40.0 mL	6 SU	1 mL		Funnel 1
LCS 180-408312/2		3510C, EPA 8081B		100 mL	40.0 mL	6 SU	1 mL	1 mL	Funnel 2
LCSD 180-408312/3		3510C, EPA 8081B		100 mL	40.0 mL	6 SU	1 mL	1 mL	Funnel 3
LB 180-408025/1-A		3510C, EPA 8081B		100 mL	40.0 mL	5 SU	1 mL		Funnel 4
180-142292-C-1-D	TI-NA-FL-D-22072 70900	3510C, EPA 8081B	P	100 mL	40.0 mL	5 SU	1 mL		Funnel 10

Batch Notes	
pH Indicator ID	Ph paper HC168773
Analyst ID - Extraction	CBY
Analyst ID - Spike Analyst	CBY
Sufficient Volume for Batch QC	no
Prep Solvent ID	Methylene chloride 4960342
Prep Solvent Volume Used	90 mL
Glass Wool ID	3402199
Na2SO4 ID	4880106
Analyst ID - Concentration	CBY
Equipment ID - Concentration 1	water bath 1
Thermometer ID - Concentration 1	water bath 1
Concentration 1 Uncorrected Temperature	65 CF 0.0 Degrees C
Concentration 1 Corrected Temperature	65 Degrees C
Equipment ID - Concentration 2	1
Thermometer ID - Concentration 2	1
Concentration 2 Uncorrected Temperature	21 CF 2.0 Degrees C
Concentration 2 Corrected Temperature	23 Degrees C
Exchange Solvent ID	Hexane 4934202

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408312 Batch Start Date: 08/11/22 05:50 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 08/11/22 15:00

Basis	Basis Description
P	TCLP

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 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
TI-NA-FL-D-2207270 900	180-142292-2	89	82	82	79
	MB 180-407891/1-A	106	102	105	93
	LCS 180-407891/2-A	105	103	100	95
TI-NA-FL-D-2207270 900 MS	180-142292-2 MS	109	102	100	94
TI-NA-FL-D-2207270 900 MSD	180-142292-2 MSD	96	91	87	82

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	55-135
DCB = DCB Decachlorobiphenyl (Surr)	63-138

Column to be used to flag recovery values

FORM II EPA 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08100011.D

Lab ID: LCS 180-407891/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	667	627	94	43-136	
PCB-1260	667	730	109	55-128	

Column to be used to flag recovery and RPD values

FORM III EPA 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08100020.D

Lab ID: 180-142292-2 MS Client ID: TI-NA-FL-D-2207270900 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	1380	ND	1500	109	43-136	
PCB-1260	1380	66	1580	110	55-128	

Column to be used to flag recovery and RPD values

FORM III EPA 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08100021.D

Lab ID: 180-142292-2 MSD Client ID: TI-NA-FL-D-2207270900 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1370	1300	95	14	40	43-136	
PCB-1260	1370	1300	90	19	32	55-128	

Column to be used to flag recovery and RPD values

FORM III EPA 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: MB 180-407891/1-A

Matrix: Solid Date Extracted: 08/08/2022 13:32

Lab File ID:(1) 08100010.D Lab File ID:(2) 08100010.D

Date Analyzed:(1) 08/10/2022 10:05 Date Analyzed:(2) 08/10/2022 10:05

Instrument ID:(1) CHGC20 Instrument ID:(2) CHGC20

GC Column:(1) RTX-CLP1 ID: 0.53(mm) GC Column:(2) RTX-CLP2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 180-407891/2-A	08/10/2022 10:24	08/10/2022 10:24
TI-NA-FL-D-2207270900	180-142292-2	08/10/2022 12:54	08/10/2022 12:54
TI-NA-FL-D-2207270900 MS	180-142292-2 MS	08/10/2022 13:12	08/10/2022 13:12
TI-NA-FL-D-2207270900 MSD	180-142292-2 MSD	08/10/2022 13:31	08/10/2022 13:31

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICIS 180-402156/8 Date Analyzed: 06/16/2022 10:05

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm)

Lab File ID (Standard): 06160008.D Heated Purge: (Y/N) N

Calibration ID: 48793

		BNB		PCB205			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		203327940	2.75	132428327	10.96		
UPPER LIMIT		304991910	2.78	198642491	10.99		
LOWER LIMIT		101663970	2.72	66214164	10.93		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-402156/12		203482706	2.75	133846753	10.96		
ICV 180-402156/13		186306254	2.75	118485781	10.96		
ICV 180-402156/14		188650263	2.75	122151540	10.95		
ICV 180-402156/15		201540889	2.75	127737202	10.95		
ICV 180-402156/16		199622885	2.75	127702344	10.95		

BNB = 1-Bromo-2-nitrobenzene
PCB205 = PCB-205 (IS)

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICIS 180-402156/8 Date Analyzed: 06/16/2022 10:05

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm)

Lab File ID (Standard): 06160008.D Heated Purge: (Y/N) N

Calibration ID: 48794

		BNB		PCB205			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		262339113	2.95	151013199	12.31		
UPPER LIMIT		393508670	2.98	226519799	12.34		
LOWER LIMIT		131169557	2.92	75506600	12.28		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-402156/12		262821775	2.95	155428098	12.31		
ICV 180-402156/13		239418790	2.95	138084951	12.31		
ICV 180-402156/14		248483248	2.95	139643670	12.31		
ICV 180-402156/15		263892469	2.95	147281275	12.31		
ICV 180-402156/16		259020709	2.95	148055910	12.30		

BNB = 1-Bromo-2-nitrobenzene
PCB205 = PCB-205 (IS)

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408111/5 Date Analyzed: 08/10/2022 08:31

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm)

Lab File ID (Standard): 08100005.D Heated Purge: (Y/N) N

Calibration ID: 48793

		BNB		PCB205			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
12/24 HOUR STD		213304202	2.74	149071514	10.90		
UPPER LIMIT		319956303	2.77	223607271	10.93		
LOWER LIMIT		106652101	2.71	74535757	10.87		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-407891/1-A		273608632	2.74	156181334	10.90		
LCS 180-407891/2-A		282476971	2.74	160989086	10.90		
180-142292-2	TI-NA-FL-D-2207270900	270546942	2.74	159164340	10.89		
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	236655177	2.73	150915765	10.89		
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	227722839	2.74	158088804	10.90		

BNB = 1-Bromo-2-nitrobenzene
PCB205 = PCB-205 (IS)

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVIS 180-408111/5 Date Analyzed: 08/10/2022 08:31

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm)

Lab File ID (Standard): 08100005.D Heated Purge: (Y/N) N

Calibration ID: 48794

		BNB		PCB205			
		HEIGHT #	RT #	HEIGHT #	RT #	#	RT #
12/24 HOUR STD		427518687	2.93	231791470	12.23		
UPPER LIMIT		641278031	2.96	347687205	12.26		
LOWER LIMIT		213759344	2.90	115895735	12.20		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-407891/1-A		540885575	2.93	250313771	12.23		
LCS 180-407891/2-A		551705217	2.93	251917629	12.23		
180-142292-2	TI-NA-FL-D-2207270900	561995332	2.93	254832975	12.23		
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	479474441	2.93	243347268	12.23		
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	460274750	2.93	247290398	12.23		

BNB = 1-Bromo-2-nitrobenzene
PCB205 = PCB-205 (IS)

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII EPA 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-2

Instrument ID (1): CHGC20 Instrument ID (2): CHGC20

Date Analyzed (1): 08/10/2022 12:54 Date Analyzed (2): 08/10/2022 12:54

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	1	4.03	3.97	4.07	121	94	11.8
		2	4.92	4.87	4.97	95.3		
		3	5.21	5.16	5.26	94.7		
		4	5.81	5.76	5.86	53.7		
		5	6.80	6.75	6.85	103		
	2	1	4.85	4.80	4.90	117	83	
		2	6.01	5.96	6.06	80.6		
		3	6.47	6.42	6.52	80.4		
		4	7.23	7.19	7.29	81.3		
		5	7.69	7.64	7.74	56.7		
PCB-1260	1	1	7.12	7.07	7.17	73.0	66	1.2
		2	7.64	7.59	7.69	74.4		
		3	8.86	8.82	8.92	60.7		
		4	9.40	9.36	9.46	63.4		
		5	9.86	9.82	9.92	58.9		
	2	1	8.90	8.85	8.95	72.5	65	
		2	9.27	9.23	9.33	72.1		
		3	10.49	10.45	10.55	58.9		
		4	10.87	10.82	10.92	57.4		
		5	11.40	11.35	11.45	65.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MS Lab Sample ID: 180-142292-2 MS

Instrument ID (1): CHGC20 Instrument ID (2): CHGC20

Date Analyzed (1): 08/10/2022 13:12 Date Analyzed (2): 08/10/2022 13:12

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.67	3.63	3.73	1350	1500	3.8
		2	4.02	3.98	4.08	1470		
		3	4.69	4.65	4.75	1450		
		4	4.77	4.72	4.82	1570		
		5	5.21	5.16	5.26	1650		
	2	1	4.34	4.29	4.39	1350	1440	
		2	4.85	4.80	4.90	1380		
		3	5.71	5.66	5.76	1430		
		4	6.47	6.42	6.52	1500		
		5	7.23	7.18	7.28	1560		
PCB-1260	1	1	7.12	7.07	7.17	1560	1580	4.6
		2	7.63	7.59	7.69	1610		
		3	8.86	8.82	8.92	1550		
		4	9.40	9.36	9.46	1640		
		5	9.86	9.82	9.92	1530		
	2	1	8.90	8.85	8.95	1600	1650	
		2	9.28	9.23	9.33	1610		
		3	10.49	10.45	10.55	1610		
		4	10.87	10.82	10.92	1740		
		5	11.40	11.35	11.45	1690		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MSD Lab Sample ID: 180-142292-2 MSD

Instrument ID (1): CHGC20 Instrument ID (2): CHGC20

Date Analyzed (1): 08/10/2022 13:31 Date Analyzed (2): 08/10/2022 13:31

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.67	3.63	3.73	1180	1300	2.5
		2	4.03	3.98	4.08	1260		
		3	4.69	4.65	4.75	1250		
		4	4.77	4.72	4.82	1370		
		5	5.21	5.16	5.26	1450		
	2	1	4.34	4.29	4.39	1200	1270	
		2	4.85	4.80	4.90	1210		
		3	5.71	5.66	5.76	1260		
		4	6.47	6.42	6.52	1330		
		5	7.23	7.18	7.28	1350		
PCB-1260	1	1	7.12	7.07	7.17	1270	1300	7.9
		2	7.64	7.59	7.69	1300		
		3	8.86	8.82	8.92	1300		
		4	9.41	9.36	9.46	1360		
		5	9.86	9.82	9.92	1250		
	2	1	8.90	8.85	8.95	1370	1410	
		2	9.28	9.23	9.33	1380		
		3	10.49	10.45	10.55	1380		
		4	10.87	10.82	10.92	1470		
		5	11.40	11.35	11.45	1430		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-407891/2-A

Instrument ID (1): CHGC20 Instrument ID (2): CHGC20

Date Analyzed (1): 08/10/2022 10:24 Date Analyzed (2): 08/10/2022 10:24

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.68	3.63	3.73	594	627	0.7
		2	4.03	3.98	4.08	616		
		3	4.70	4.65	4.75	610		
		4	4.77	4.72	4.82	661		
		5	5.21	5.16	5.26	653		
	2	1	4.34	4.29	4.39	615	622	
		2	4.85	4.80	4.90	595		
		3	5.71	5.66	5.76	635		
		4	6.47	6.42	6.52	640		
		5	7.23	7.18	7.28	627		
PCB-1260	1	1	7.12	7.07	7.17	704	730	10.2
		2	7.64	7.59	7.69	744		
		3	8.87	8.82	8.92	734		
		4	9.41	9.36	9.46	773		
		5	9.87	9.82	9.92	692		
	2	1	8.90	8.85	8.95	793	808	
		2	9.28	9.23	9.33	806		
		3	10.50	10.45	10.55	807		
		4	10.87	10.82	10.92	825		
		5	11.40	11.35	11.45	808		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-2

Matrix: Solid Lab File ID: 08100019.D

Analysis Method: EPA 8082A Date Collected: 07/27/2022 09:00

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.49(g) Date Analyzed: 08/10/2022 12:54

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		17	5.6
11104-28-2	PCB-1221	ND		17	6.1
11141-16-5	PCB-1232	ND		17	4.2
53469-21-9	PCB-1242	ND		17	2.5
12672-29-6	PCB-1248	94		17	4.1
11097-69-1	PCB-1254	ND		17	5.1
11096-82-5	PCB-1260	66		17	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	89		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D
Lims ID: 180-142292-E-2-I
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 10-Aug-2022 12:54:23 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-019
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.735	2.736	-0.001	270546942H	0.1000	
2	2.928	2.928	0.000	561995332H	0.1000	
3 PCB-1221						U
1		2.900			ND	
1		3.493				
1		3.671				
2		3.314				
2		4.095				
2		4.333				
$ 2 Tetrachloro-m-xylene						
1	3.353	3.355	-0.002	45083824H	0.0178	
2	3.798	3.799	-0.001	84439120H	0.0164	
					RPD = 8.05	
4 PCB-1232						U
1		3.496			ND	
1		3.673				
1		4.024				
1		4.693				
1		5.211				
2		4.098				
2		4.336				
2		4.846				
2		6.467				
2		7.231				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
6 PCB-1242						U
1		3.673			ND	
1		4.023				
1		4.693				
1		5.212				
1		5.852				
2		4.337				
2		4.847				
2		5.704				
2		7.237				
2		7.684				
5 PCB-1016						U
1		3.675			ND	
1		4.026				
1		4.695				
1		4.773				
1		5.214				
2		4.339				
2		4.849				
2		5.706				
2		6.470				
2		7.231				
7 PCB-1248						
1	4.025	4.023	0.002	2300123H	0.0884	
1	4.919	4.920	-0.001	3160232H	0.0694	
1	5.213	5.213	0.000	3958581H	0.0689	
1	5.810	5.809	0.001	2434206H	0.0391	
1	6.796	6.797	-0.001	2162809H	0.0747	
		Average of Peak Amounts =			0.0681	
2	4.848	4.847	0.001	3791024H	0.0849	
2	6.014	6.012	0.002	4776138H	0.0587	
2	6.469	6.469	0.000	5854770H	0.0586	
2	7.234	7.236	-0.002	6615383H	0.0592	
2	7.687	7.686	0.001	3144707H	0.0413	
		Average of Peak Amounts =			0.0605	
					RPD = 11.79	
8 PCB-1254						U
1		5.744			ND	
1		6.137				
1		6.792				
1		7.282				
1		8.188				
2		7.223				
2		7.588				
2		8.529				
2		8.953				
2		9.880				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1262						U
1		7.115			ND	
1		8.414				
1		9.403				
1		9.864				
1		9.990				
2		9.271				
2		10.028				
2		10.492				
2		10.868				
2		11.391				
10 PCB-1260						
1	7.116	7.119	-0.003	3118319H	0.0532	
1	7.636	7.638	-0.002	4201966H	0.0542	
1	8.864	8.867	-0.003	2457830H	0.0442	
1	9.403	9.407	-0.004	6164023H	0.0462	
1	9.864	9.866	-0.002	3076810H	0.0429	
		Average of Peak Amounts =			0.0481	
2	8.900	8.901	-0.001	4952148H	0.0528	
2	9.274	9.275	-0.001	6152676H	0.0525	
2	10.492	10.495	-0.003	3685478H	0.0429	
2	10.869	10.871	-0.002	8361718H	0.0418	
2	11.397	11.399	-0.002	5162734H	0.0479	
		Average of Peak Amounts =			0.0476	
					RPD = 1.17	
11 PCB-1268						U
1		9.926			ND	
1		9.987				
1		10.287				
1		11.226				
2		11.390				
2		11.455				
2		11.807				
2		12.615				
* 12 PCB-205 (IS)						
1	10.894	10.897	-0.004	159164340H	0.1000	
2	12.231	12.232	-0.001	254832975H	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)						
1	11.485	11.488	-0.003	21073037H	0.0164	
2	12.946	12.947	-0.001	29239221H	0.0158	
					RPD = 4.02	
15 1260 Res 3						
1		0.000			ND	
2		0.000				
16 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

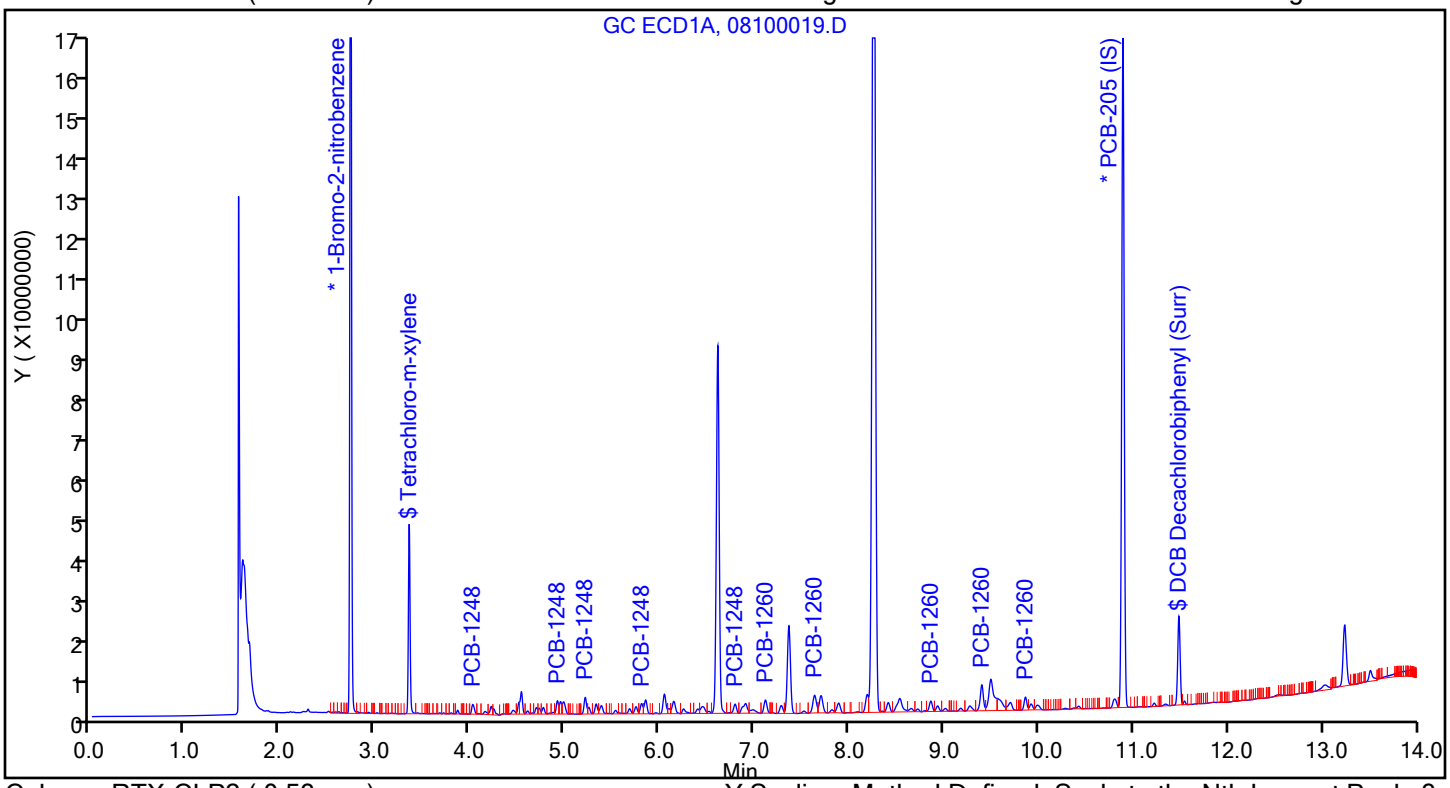
Report Date: 10-Aug-2022 14:06:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

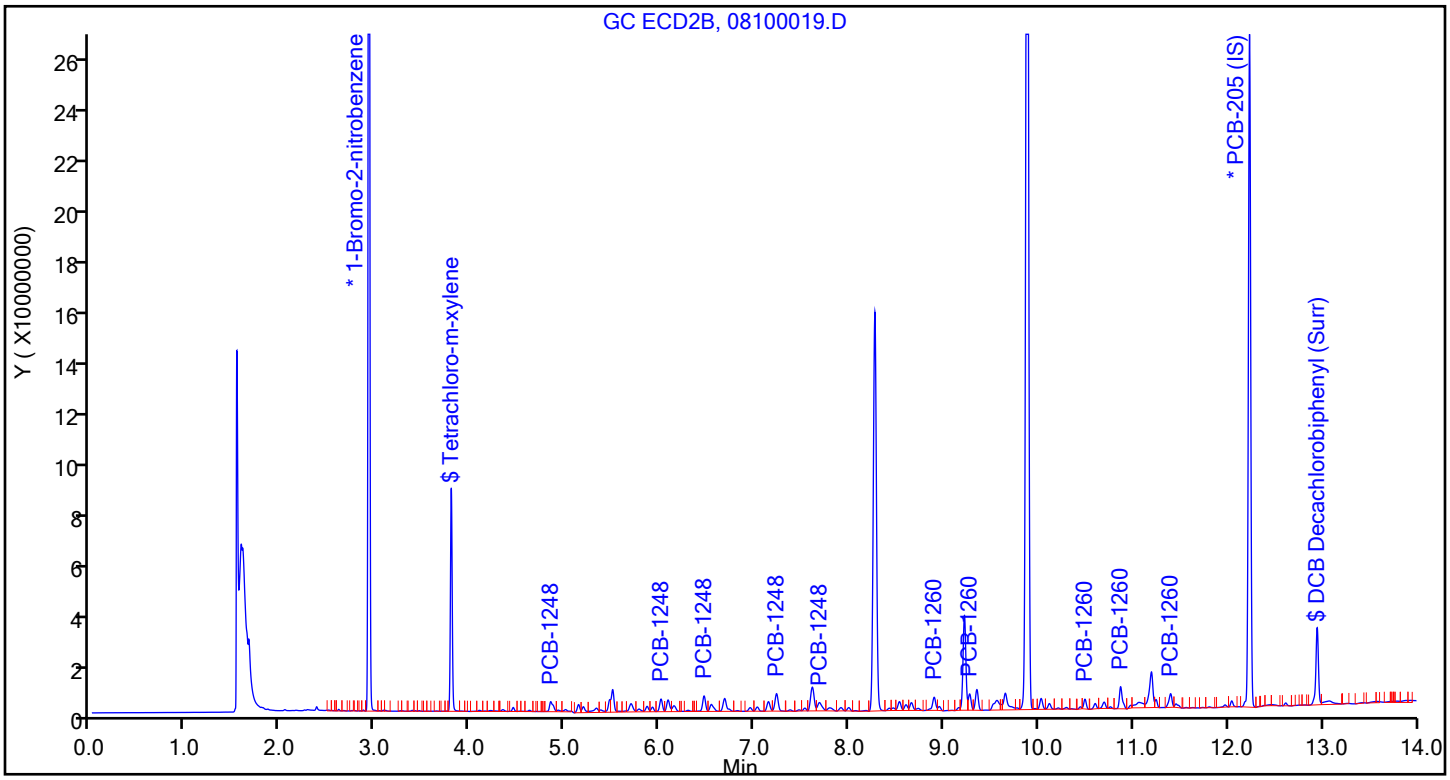
Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D				
Lims ID:	180-142292-E-2-I				
Client ID:	TI-NA-FL-D-2207270900				
Sample Type:	Client				
Inject. Date:	10-Aug-2022 12:54:23	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	180-0044159-019				
Operator ID:	402331	Instrument ID:	CHGC20		
Method:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m				
Limit Group:	GCS 8082A ICAL with IS				
Last Update:	10-Aug-2022 14:06:27	Calib Date:	16-Jun-2022 11:03:05		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D				
Column 1 :	RTX-CLP1 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-CLP2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1611				
First Level Reviewer: Q9YL		Date:	10-Aug-2022 14:02:41		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0178	89.09
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0164	82.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0164	82.20
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0158	78.77

Report Date: 10-Aug-2022 14:06:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

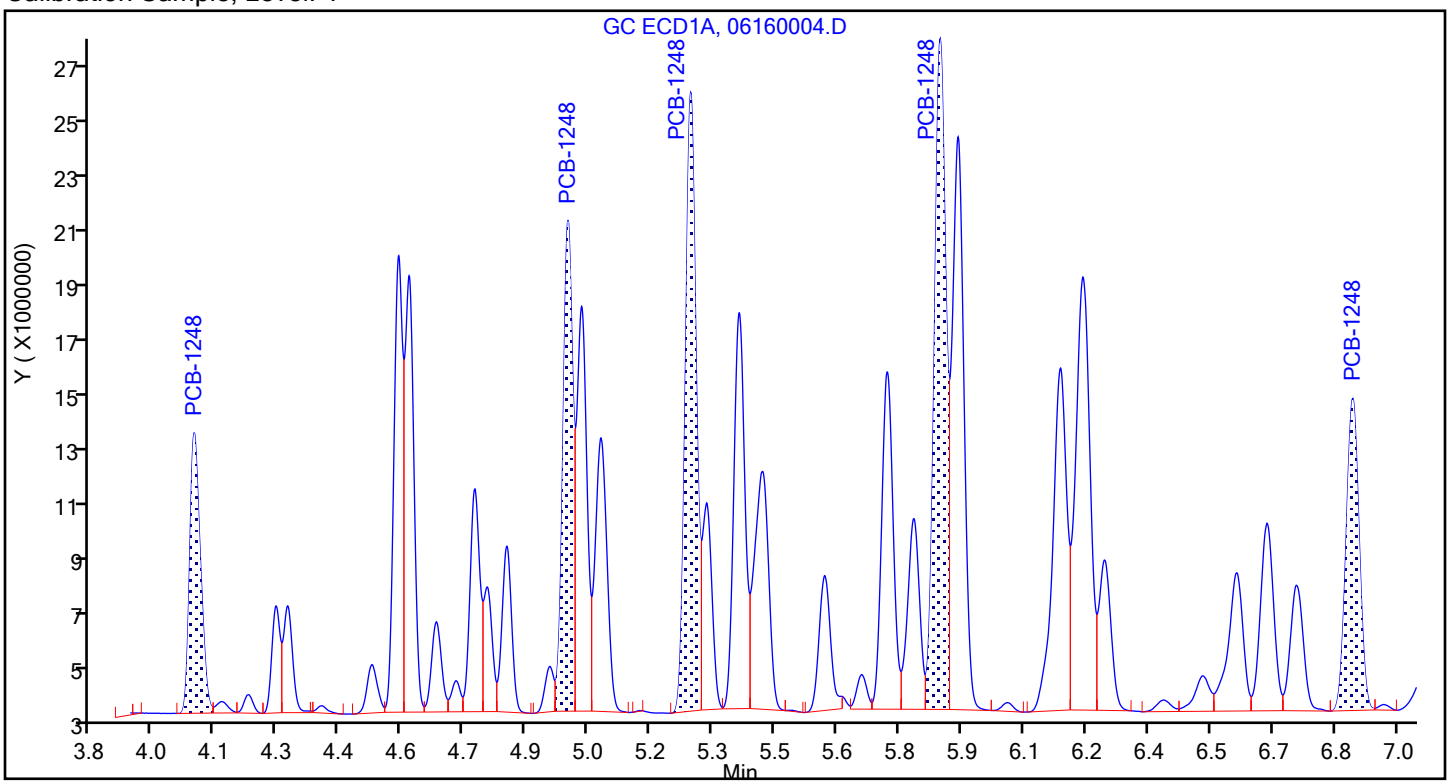
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

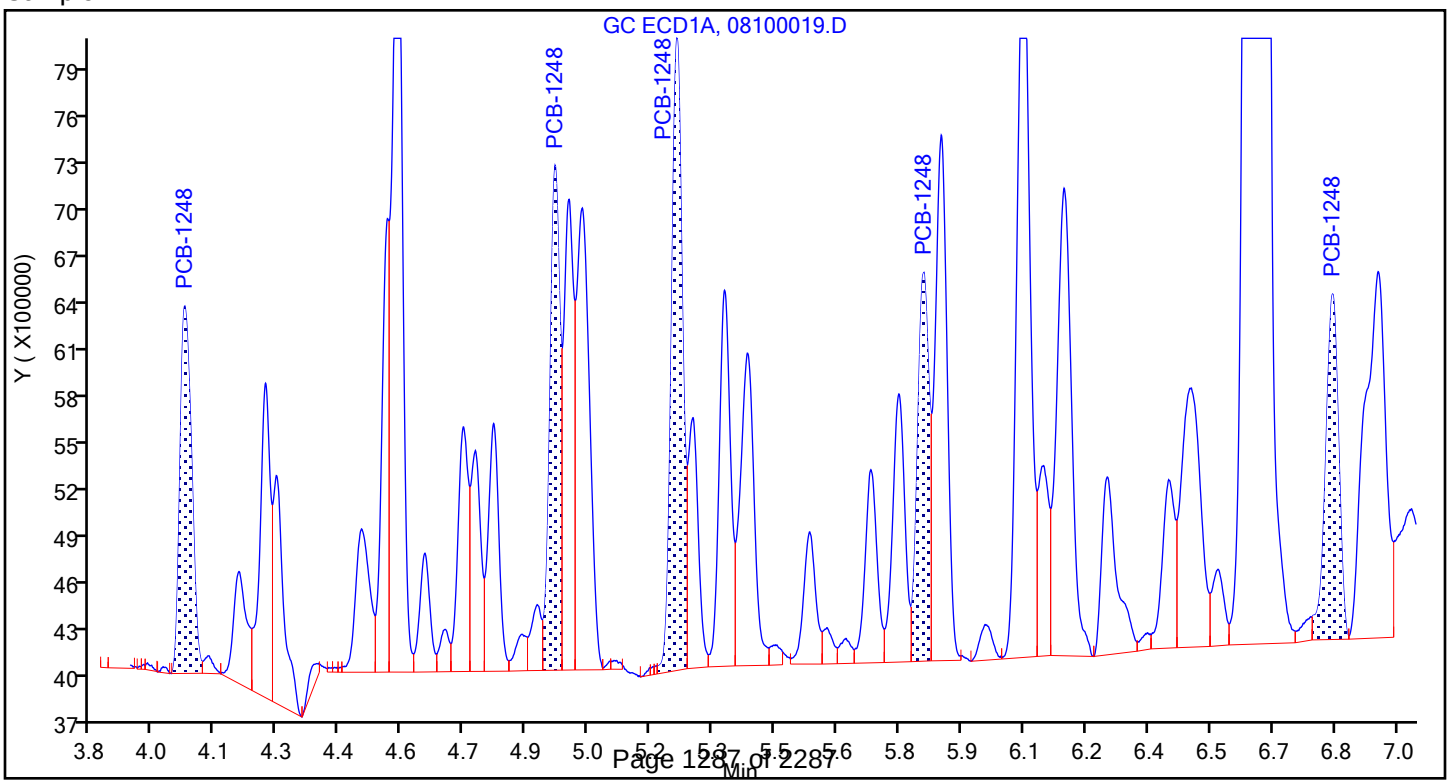
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP1 (0.53 mm)	Detector	GC ECD1A		

7 PCB-1248, CAS: 12672-29-6

Calibration Sample, Level: 4



Sample



Report Date: 10-Aug-2022 14:06:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

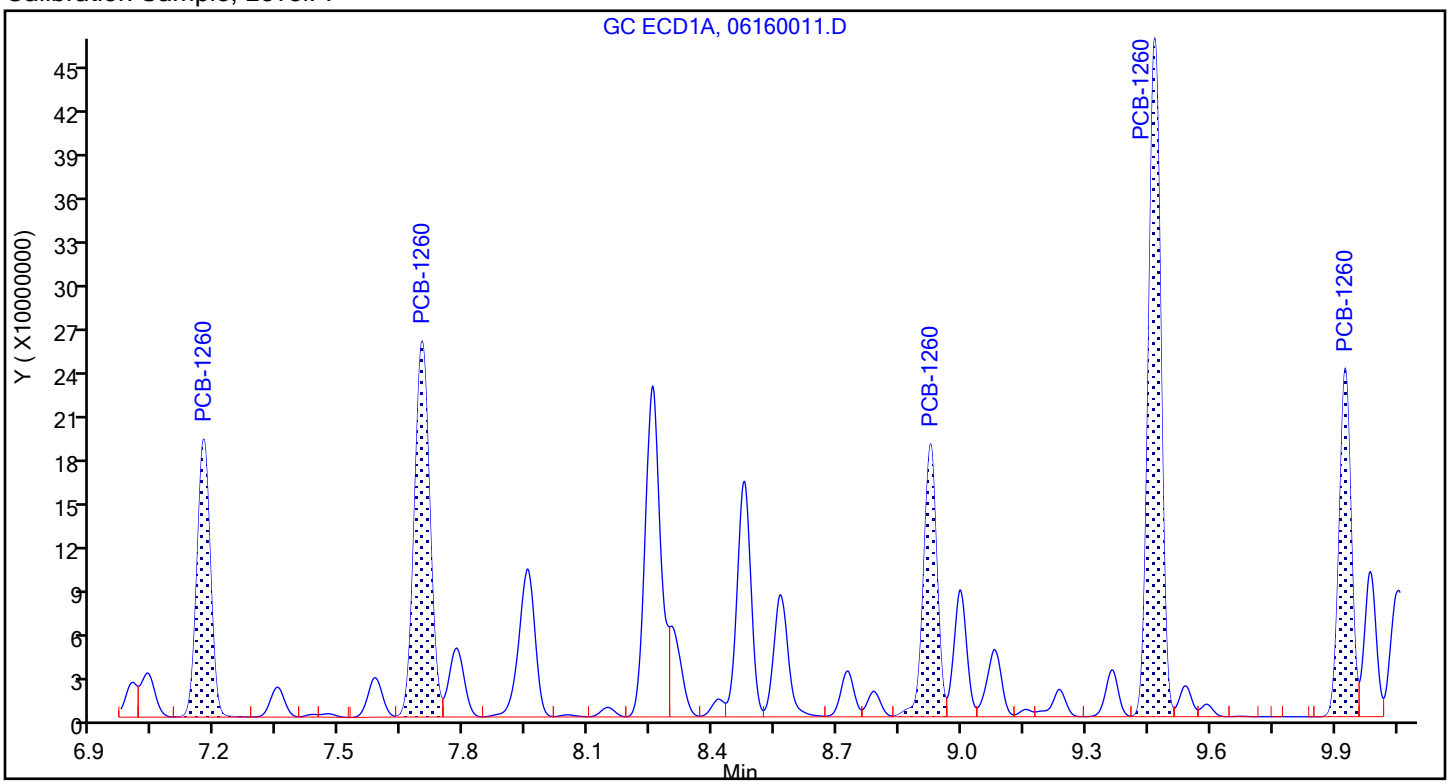
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

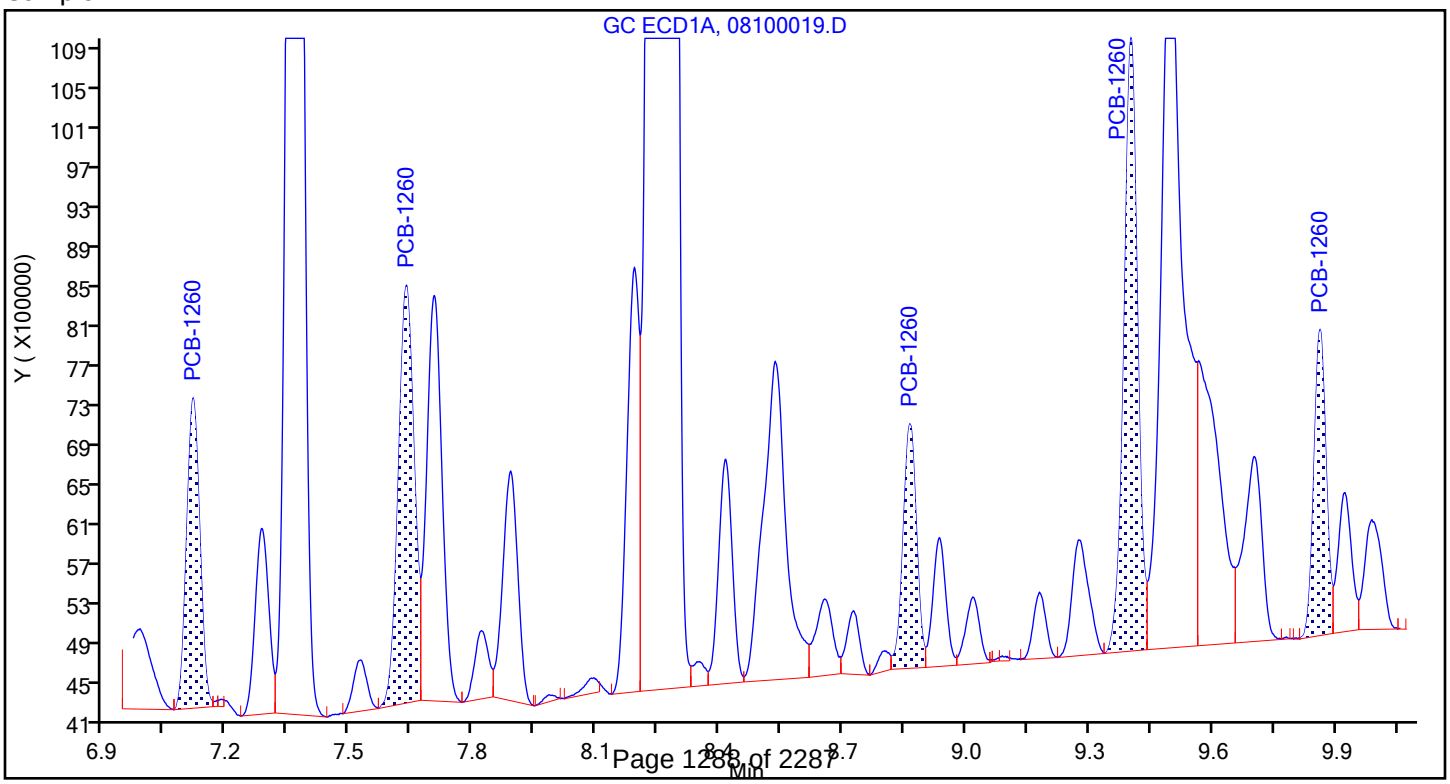
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP1 (0.53 mm)	Detector	GC ECD1A		

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



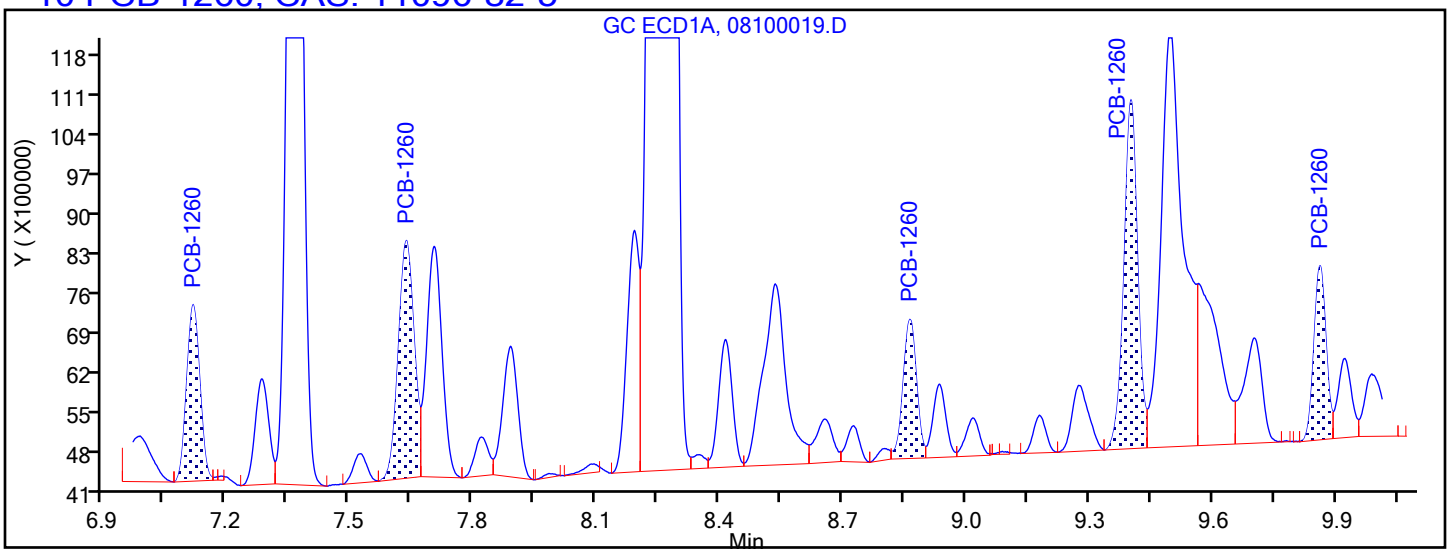
Report Date: 10-Aug-2022 14:06:51 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

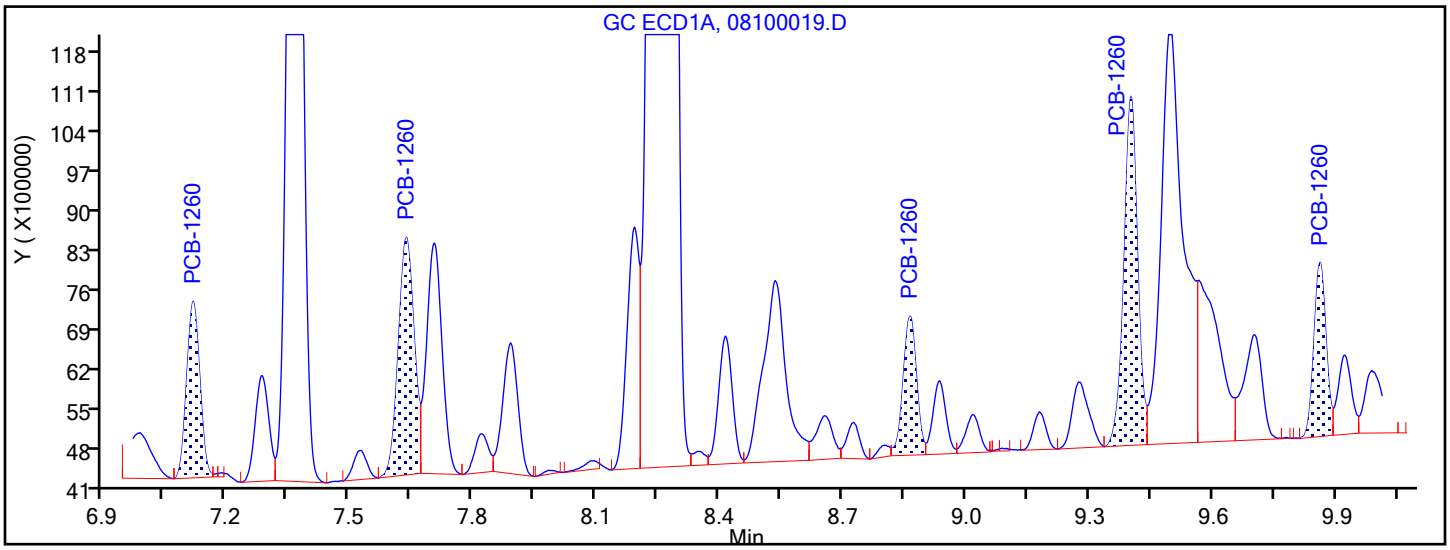
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP1 (0.53 mm)	Detector	GC ECD1A		

10 PCB-1260, CAS: 11096-82-5



Processing Integration Results

7.116	Response = 3118319
7.636	Response = 4201966
8.864	Response = 2457830
9.403	Response = 6164023
9.864	Response = 3076810



Manual Integration Results

7.116	Response = 3118319	
7.636	Response = 4201966	M
8.864	Response = 2457830	M
9.403	Response = 6164023	M
9.864	Response = 3076810	M

Reviewer: Q9YL, 10-Aug-2022 14:02:21

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

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-2

Matrix: Solid Lab File ID: 08100019.D

Analysis Method: EPA 8082A Date Collected: 07/27/2022 09:00

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.49(g) Date Analyzed: 08/10/2022 12:54

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	82		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	79		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D
Lims ID: 180-142292-E-2-I
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 10-Aug-2022 12:54:23 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-019
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.735	2.736	-0.001	270546942H	0.1000	
2	2.928	2.928	0.000	561995332H	0.1000	
3 PCB-1221						U
1		2.900			ND	
1		3.493				
1		3.671				
2		3.314				
2		4.095				
2		4.333				
$ 2 Tetrachloro-m-xylene						
1	3.353	3.355	-0.002	45083824H	0.0178	
2	3.798	3.799	-0.001	84439120H	0.0164	
					RPD = 8.05	
4 PCB-1232						U
1		3.496			ND	
1		3.673				
1		4.024				
1		4.693				
1		5.211				
2		4.098				
2		4.336				
2		4.846				
2		6.467				
2		7.231				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
6 PCB-1242						U
1		3.673			ND	
1		4.023				
1		4.693				
1		5.212				
1		5.852				
2		4.337				
2		4.847				
2		5.704				
2		7.237				
2		7.684				
5 PCB-1016						U
1		3.675			ND	
1		4.026				
1		4.695				
1		4.773				
1		5.214				
2		4.339				
2		4.849				
2		5.706				
2		6.470				
2		7.231				
7 PCB-1248						
1	4.025	4.023	0.002	2300123H	0.0884	
1	4.919	4.920	-0.001	3160232H	0.0694	
1	5.213	5.213	0.000	3958581H	0.0689	
1	5.810	5.809	0.001	2434206H	0.0391	
1	6.796	6.797	-0.001	2162809H	0.0747	
		Average of Peak Amounts =			0.0681	
2	4.848	4.847	0.001	3791024H	0.0849	
2	6.014	6.012	0.002	4776138H	0.0587	
2	6.469	6.469	0.000	5854770H	0.0586	
2	7.234	7.236	-0.002	6615383H	0.0592	
2	7.687	7.686	0.001	3144707H	0.0413	
		Average of Peak Amounts =			0.0605	
					RPD = 11.79	
8 PCB-1254						U
1		5.744			ND	
1		6.137				
1		6.792				
1		7.282				
1		8.188				
2		7.223				
2		7.588				
2		8.529				
2		8.953				
2		9.880				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1262						U
1		7.115			ND	
1		8.414				
1		9.403				
1		9.864				
1		9.990				
2		9.271				
2		10.028				
2		10.492				
2		10.868				
2		11.391				
10 PCB-1260						
1	7.116	7.119	-0.003	3118319H	0.0532	
1	7.636	7.638	-0.002	4201966H	0.0542	
1	8.864	8.867	-0.003	2457830H	0.0442	
1	9.403	9.407	-0.004	6164023H	0.0462	
1	9.864	9.866	-0.002	3076810H	0.0429	
		Average of Peak Amounts =			0.0481	
2	8.900	8.901	-0.001	4952148H	0.0528	
2	9.274	9.275	-0.001	6152676H	0.0525	
2	10.492	10.495	-0.003	3685478H	0.0429	
2	10.869	10.871	-0.002	8361718H	0.0418	
2	11.397	11.399	-0.002	5162734H	0.0479	
		Average of Peak Amounts =			0.0476	
					RPD = 1.17	
11 PCB-1268						U
1		9.926			ND	
1		9.987				
1		10.287				
1		11.226				
2		11.390				
2		11.455				
2		11.807				
2		12.615				
* 12 PCB-205 (IS)						
1	10.894	10.897	-0.004	159164340H	0.1000	
2	12.231	12.232	-0.001	254832975H	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)						
1	11.485	11.488	-0.003	21073037H	0.0164	
2	12.946	12.947	-0.001	29239221H	0.0158	
					RPD = 4.02	
15 1260 Res 3						
1		0.000			ND	
2		0.000				
16 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

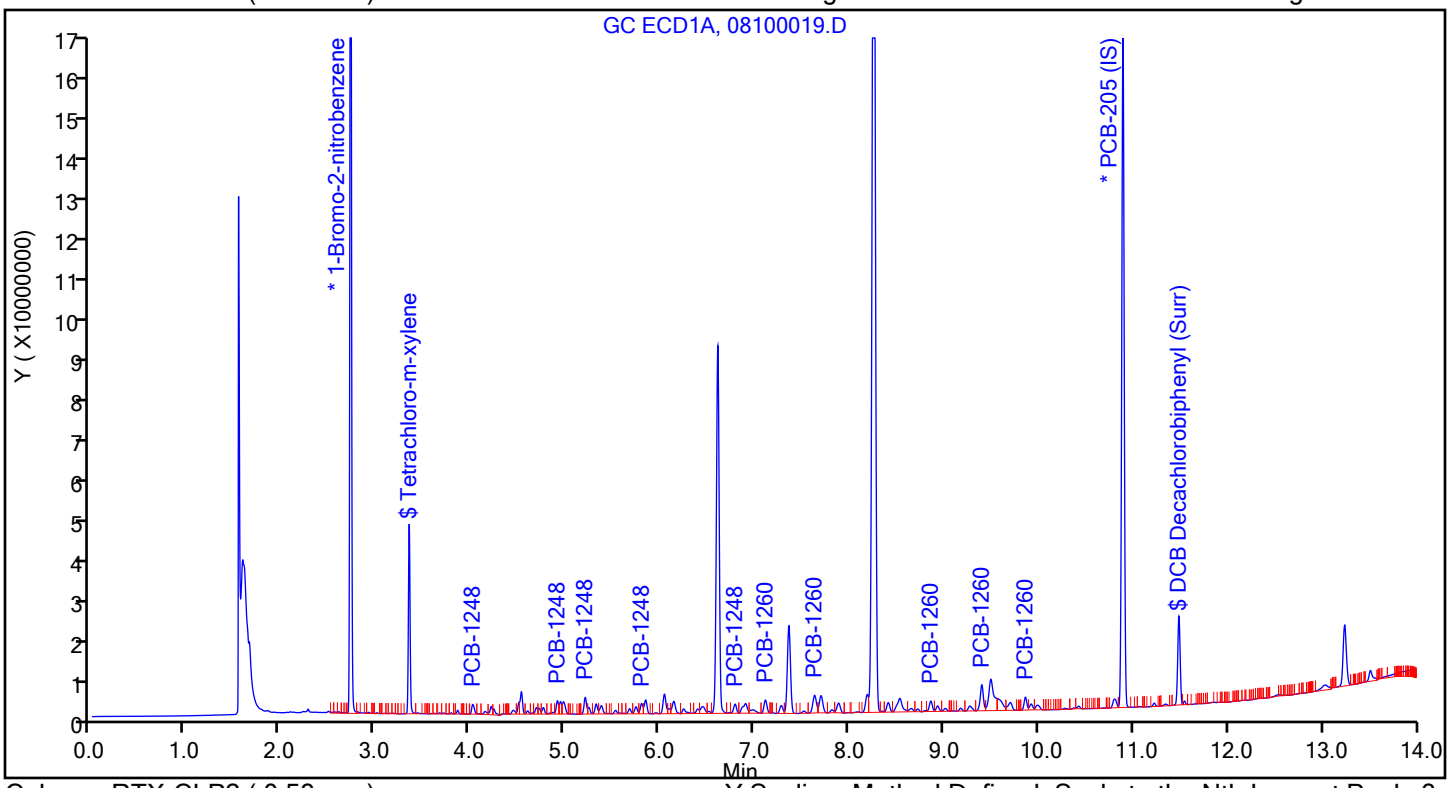
Report Date: 10-Aug-2022 14:06:52 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

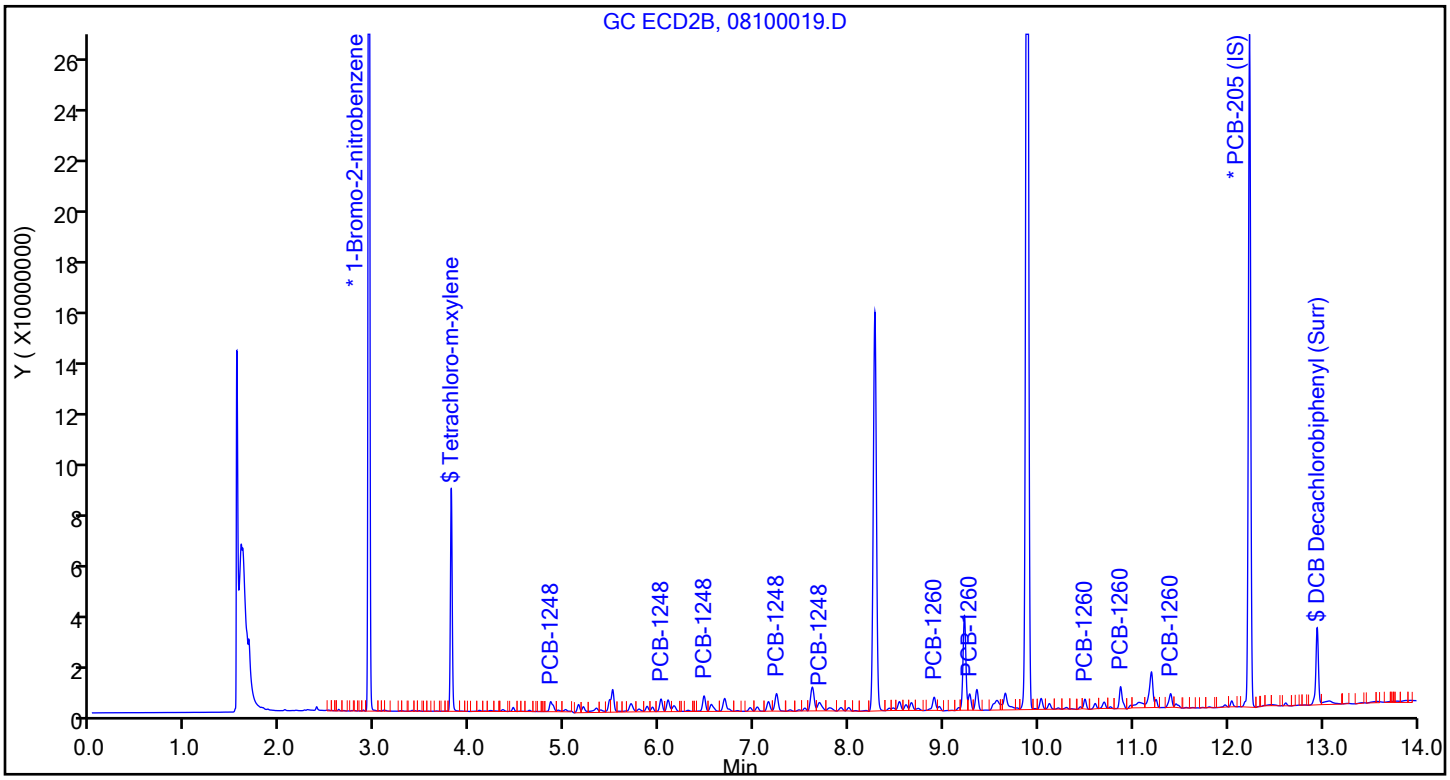
Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D
Lims ID: 180-142292-E-2-I
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 10-Aug-2022 12:54:23 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-019
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:41

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0178	89.09
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0164	82.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0164	82.20
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0158	78.77

Report Date: 10-Aug-2022 14:06:52 Chrom Revision: 2.3 08-Aug-2022 16:03:06

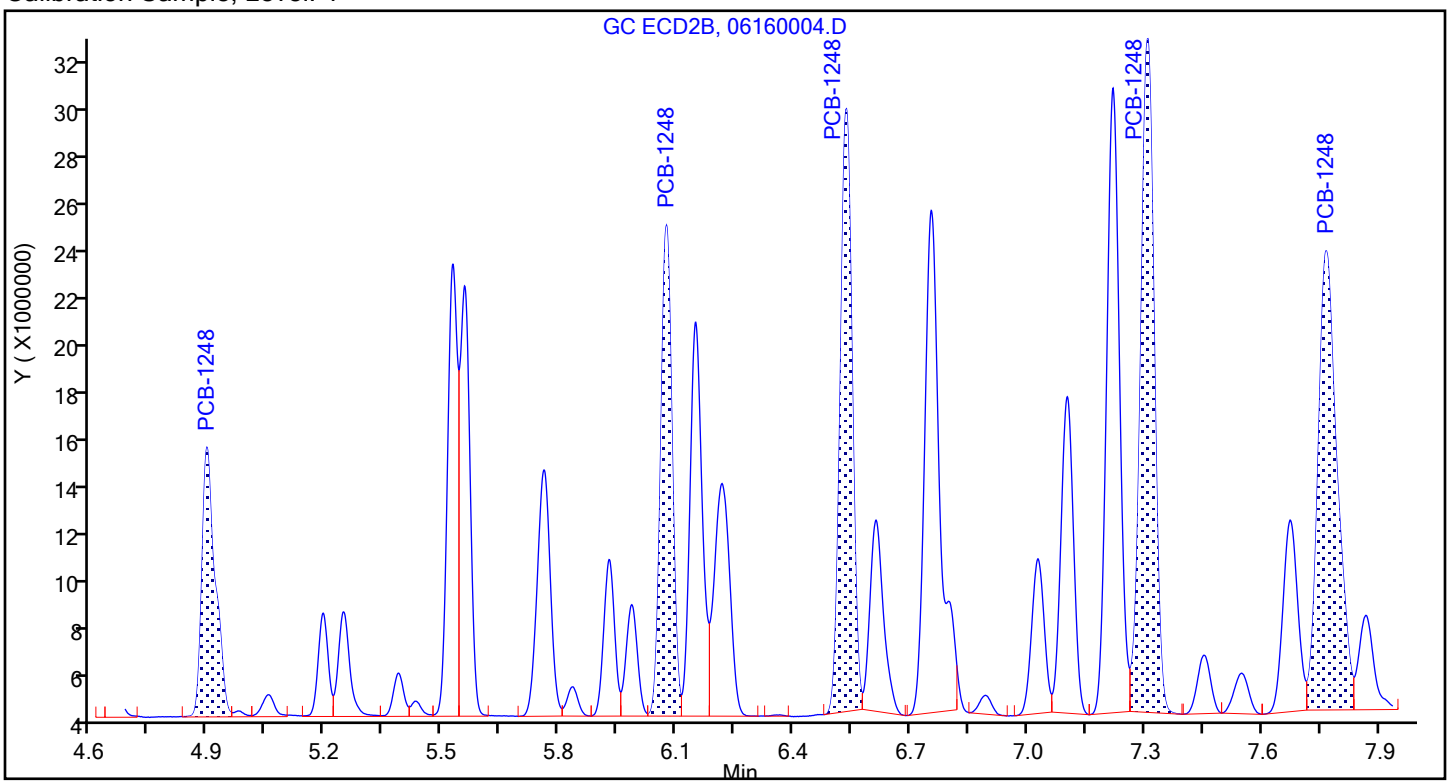
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

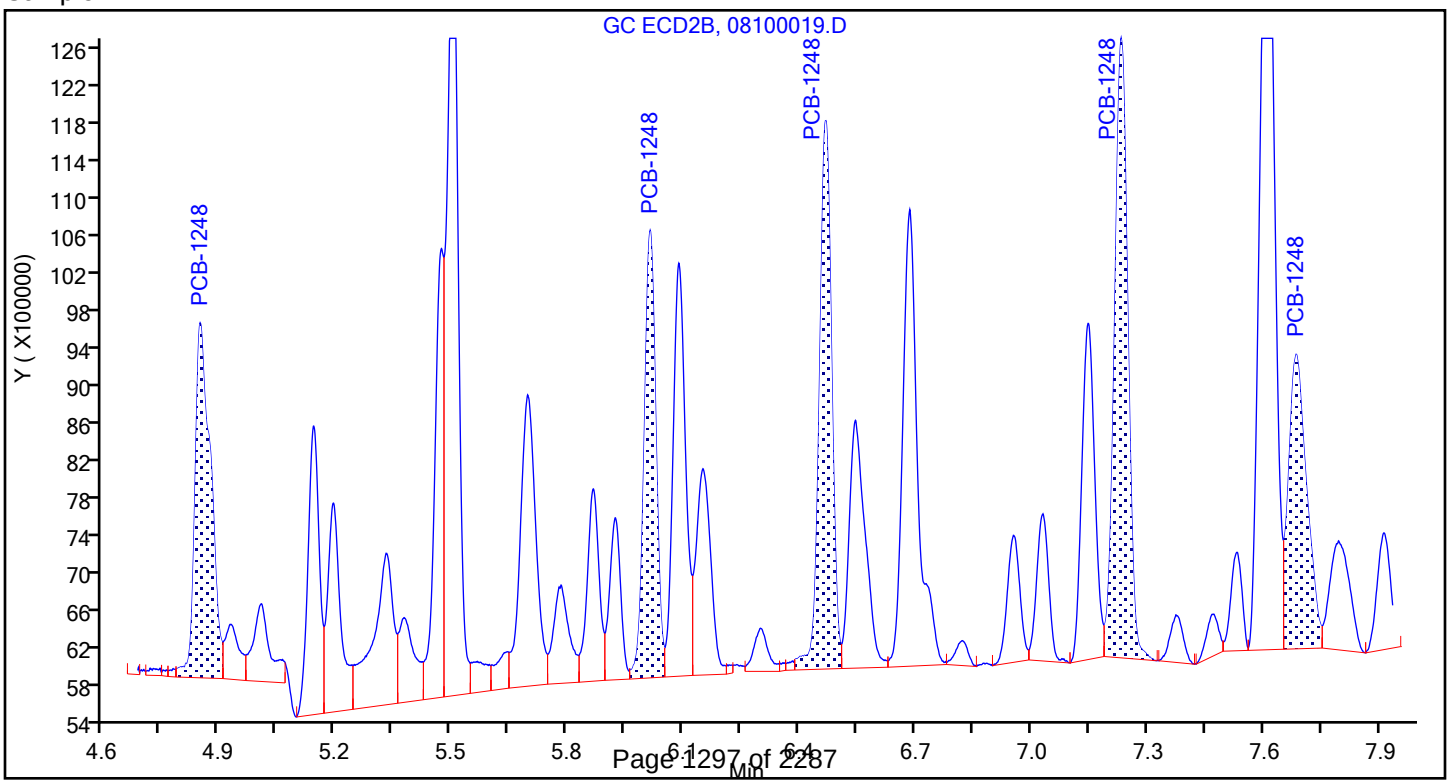
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP2 (0.53 mm)	Detector	GC ECD2B		

7 PCB-1248, CAS: 12672-29-6

Calibration Sample, Level: 4



Sample



Report Date: 10-Aug-2022 14:06:52 Chrom Revision: 2.3 08-Aug-2022 16:03:06

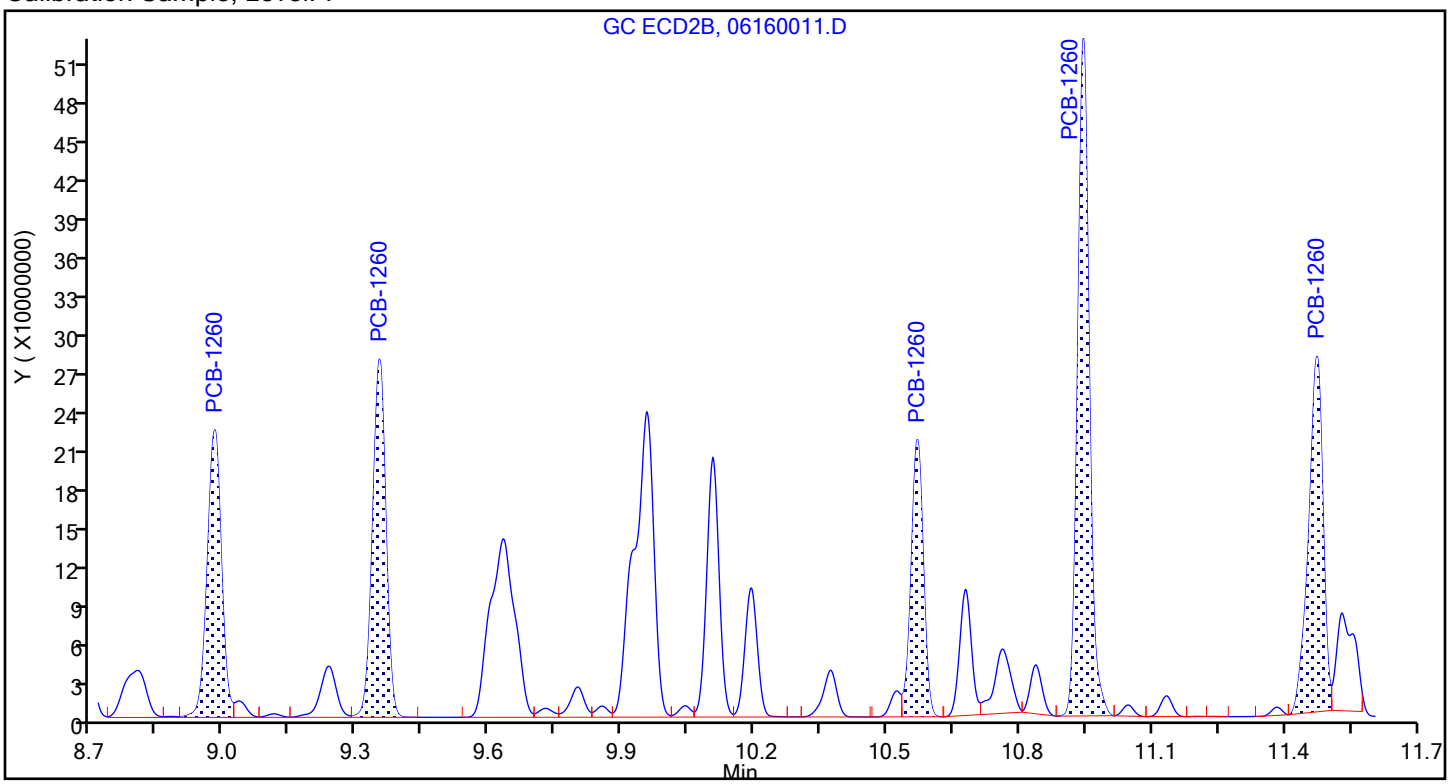
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

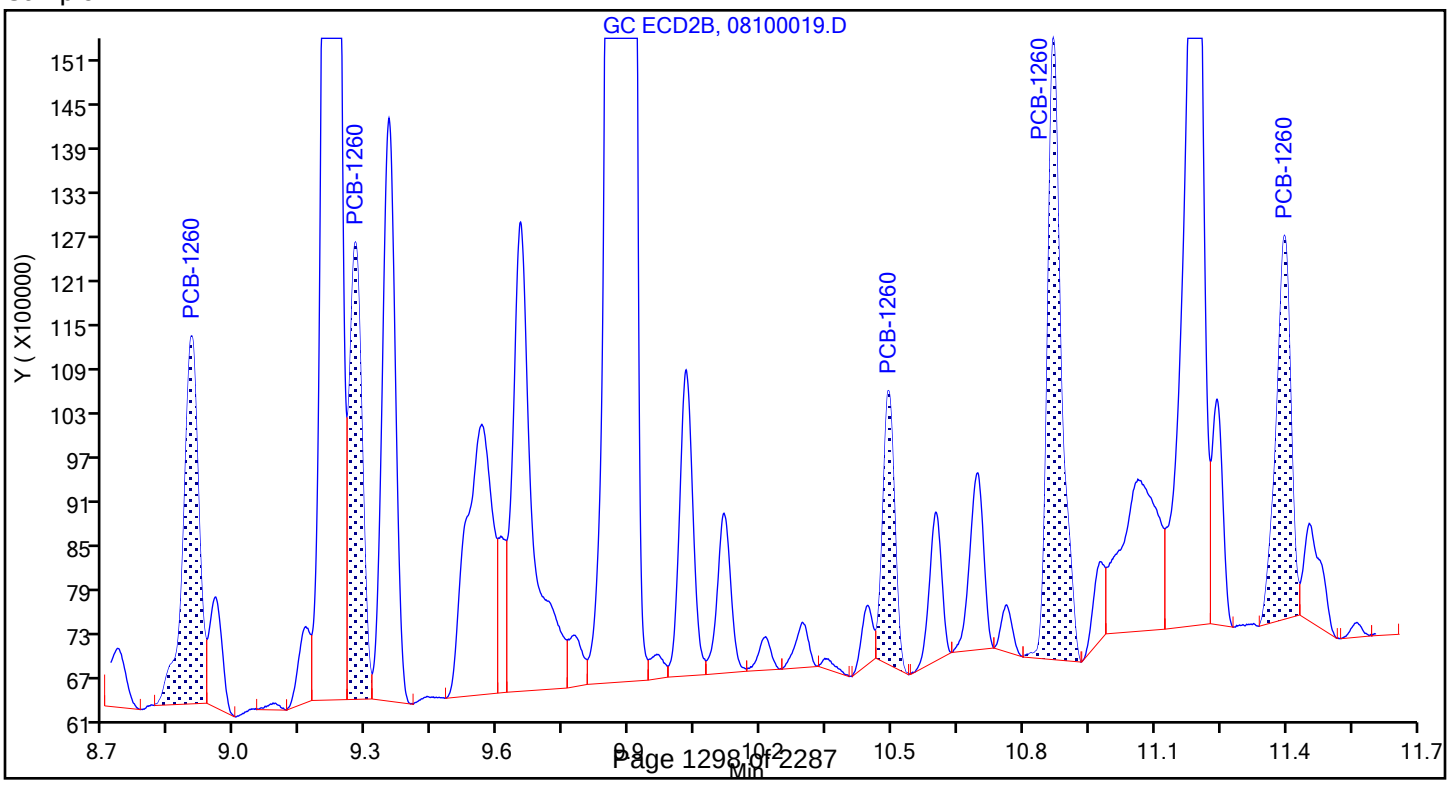
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP2 (0.53 mm)	Detector	GC ECD2B		

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



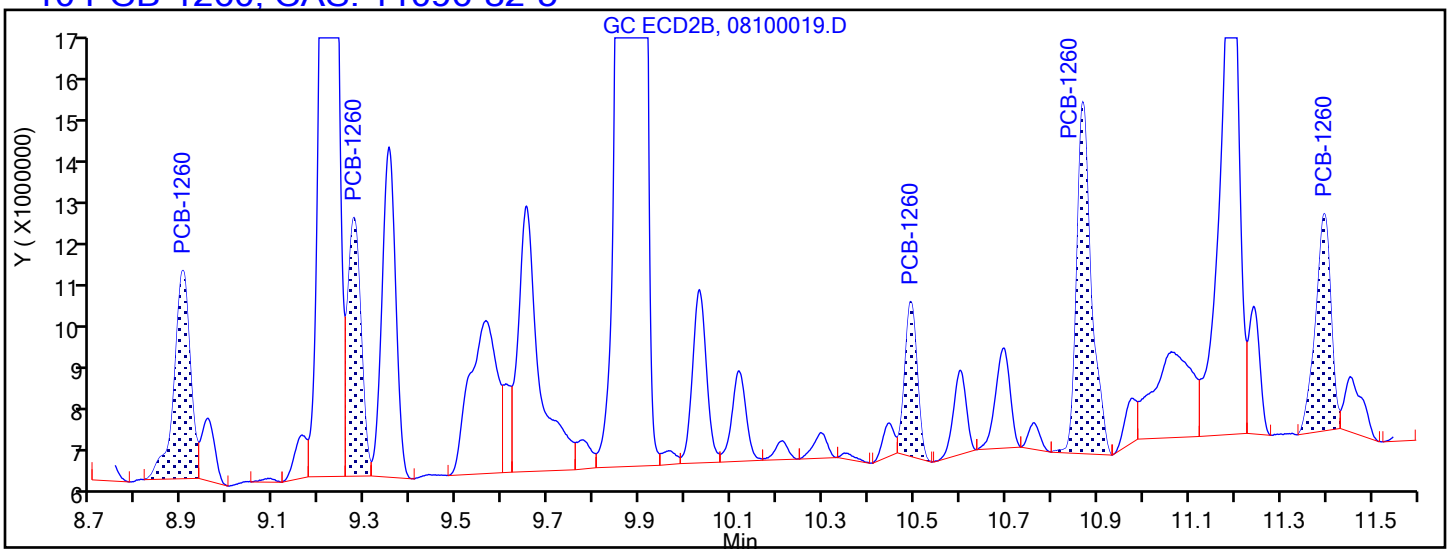
Report Date: 10-Aug-2022 14:06:52 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100019.D

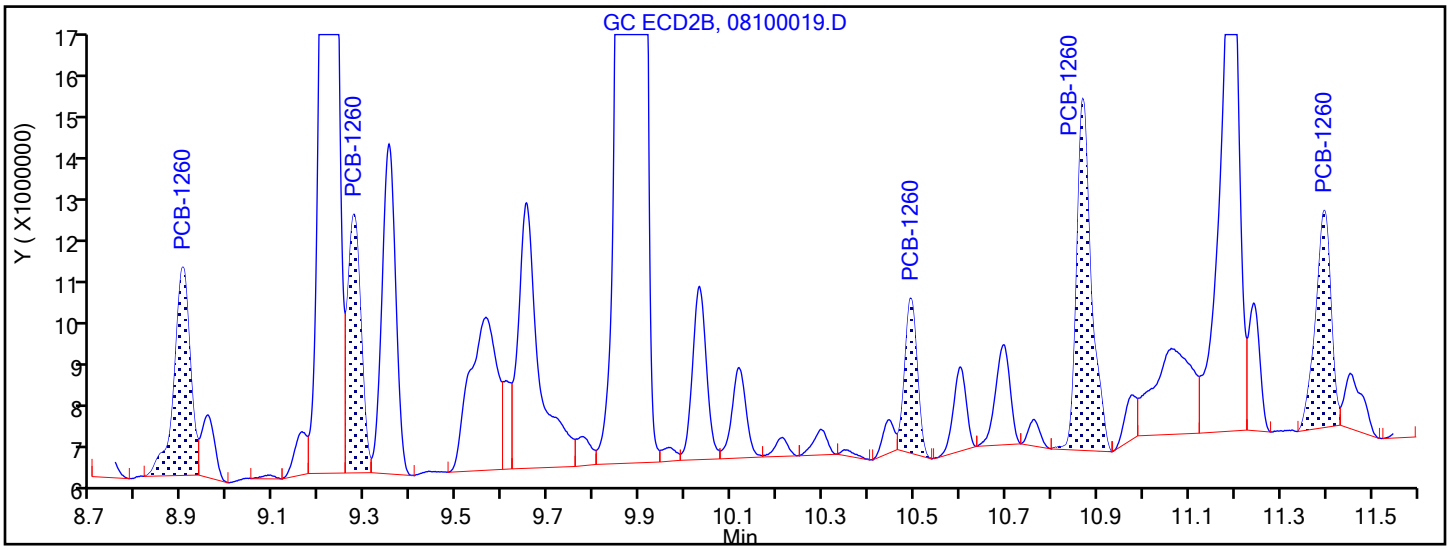
Injection Date:	10-Aug-2022 12:54:23	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-I	Lab Sample ID:	180-142292-2		
Client ID:	TI-NA-FL-D-2207270900				
Operator ID:	402331	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP2 (0.53 mm)	Detector	GC ECD2B		

10 PCB-1260, CAS: 11096-82-5



Processing Integration Results

8.900	Response = 4952148
9.274	Response = 6152676
10.492	Response = 3685478
10.869	Response = 8361718
11.397	Response = 5162734



Manual Integration Results

8.900	Response = 4952148	M
9.274	Response = 6152676	M
10.492	Response = 3685478	M
10.869	Response = 8361718	M
11.397	Response = 5162734	M

Reviewer: Q9YL, 10-Aug-2022 14:02:21

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48799

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0065					Ave		0.0065						20.0			
PCB-1221 Peak 2	0.0101					Ave		0.0101						20.0			
PCB-1221 Peak 3	0.0230					Ave		0.0230						20.0			
PCB-1254 Peak 1	0.0208					Ave		0.0208						20.0			
PCB-1254 Peak 2	0.0266					Ave		0.0266						20.0			
PCB-1254 Peak 3	0.0354					Ave		0.0354						20.0			
PCB-1254 Peak 4	0.0250					Ave		0.0250						20.0			
PCB-1254 Peak 5	0.0259					Ave		0.0259						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48799

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	6573450					0.500				
PCB-1221 Peak 2	BNB	Ave	10192148					0.500				
PCB-1221 Peak 3	BNB	Ave	23050196					0.500				
PCB-1254 Peak 1	BNB	Ave	20921029					0.500				
PCB-1254 Peak 2	BNB	Ave	26702369					0.500				
PCB-1254 Peak 3	BNB	Ave	35602059					0.500				
PCB-1254 Peak 4	BNB	Ave	25093905					0.500				
PCB-1254 Peak 5	BNB	Ave	25992931					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48799

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1221 Peak 1	0.0						50					
PCB-1221 Peak 2	0.0						50					
PCB-1221 Peak 3	0.0						50					
PCB-1254 Peak 1	0.0						50					
PCB-1254 Peak 2	0.0						50					
PCB-1254 Peak 3	0.0						50					
PCB-1254 Peak 4	0.0						50					
PCB-1254 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160001.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 07:52:27 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-001
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub7

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:51 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:25:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.742	2.749	-0.008	200861523H	0.1000	0.1000	
2	2.944	2.949	-0.006	253411644H	0.1000	0.1000	
3 PCB-1221							
1	2.911	2.911	0.000	6573450H	0.5000	0.5000	
1	3.511	3.511	0.000	10192148H	0.5000	0.5000	
1	3.689	3.689	0.000	23050196H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.339	3.339	0.000	8429078H	0.5000	0.5000	
2	4.132	4.132	0.000	11820557H	0.5000	0.5000	
2	4.373	4.373	0.000	24328997H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	5.778	5.778	0.000	20921029H	0.5000	0.5000	
1	6.175	6.175	0.000	26702369H	0.5000	0.5000	
1	6.836	6.836	0.000	35602059H	0.5000	0.5000	
1	7.331	7.331	0.000	25093905H	0.5000	0.5000	
1	8.244	8.244	0.000	25992931H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	7.294	7.294	0.000	25336128H	0.5000	0.5000	
2	7.665	7.665	0.000	26927682H	0.5000	0.5000	
2	8.604	8.604	0.000	39492096H	0.5000	0.5000	
2	9.027	9.027	0.000	28179279H	0.5000	0.5000	
2	9.953	9.953	0.000	31541945H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.948	10.957	-0.008	132126653H	0.1000	0.1000	
2	12.303	12.308	-0.004	149516872H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR2154CALL4_00028	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:51 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160001.D

Injection Date: 16-Jun-2022 07:52:27 Instrument ID: CHGC20

Lims ID: IC

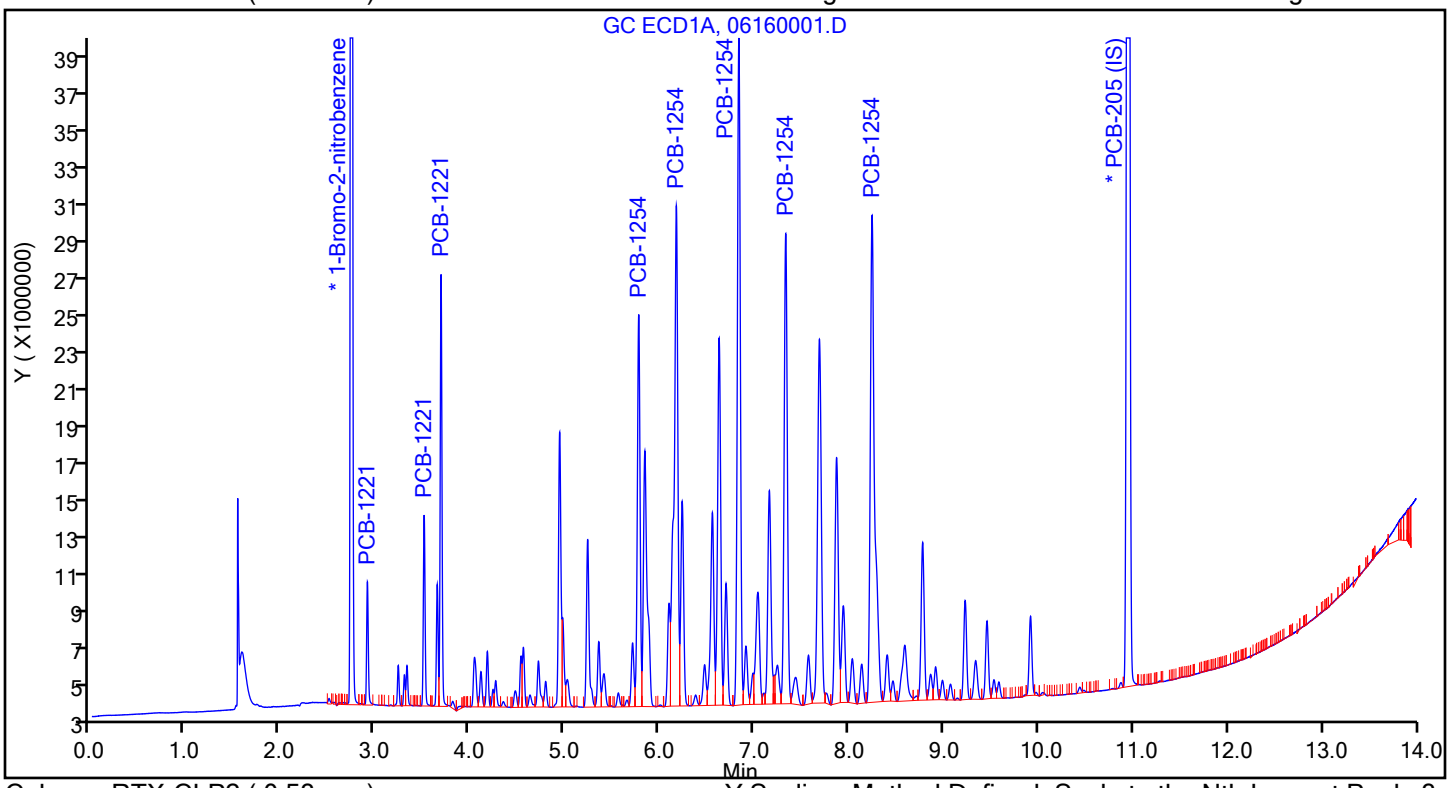
Client ID:

Operator ID: 402331 ALS Bottle#: 1 Worklist Smp#: 1

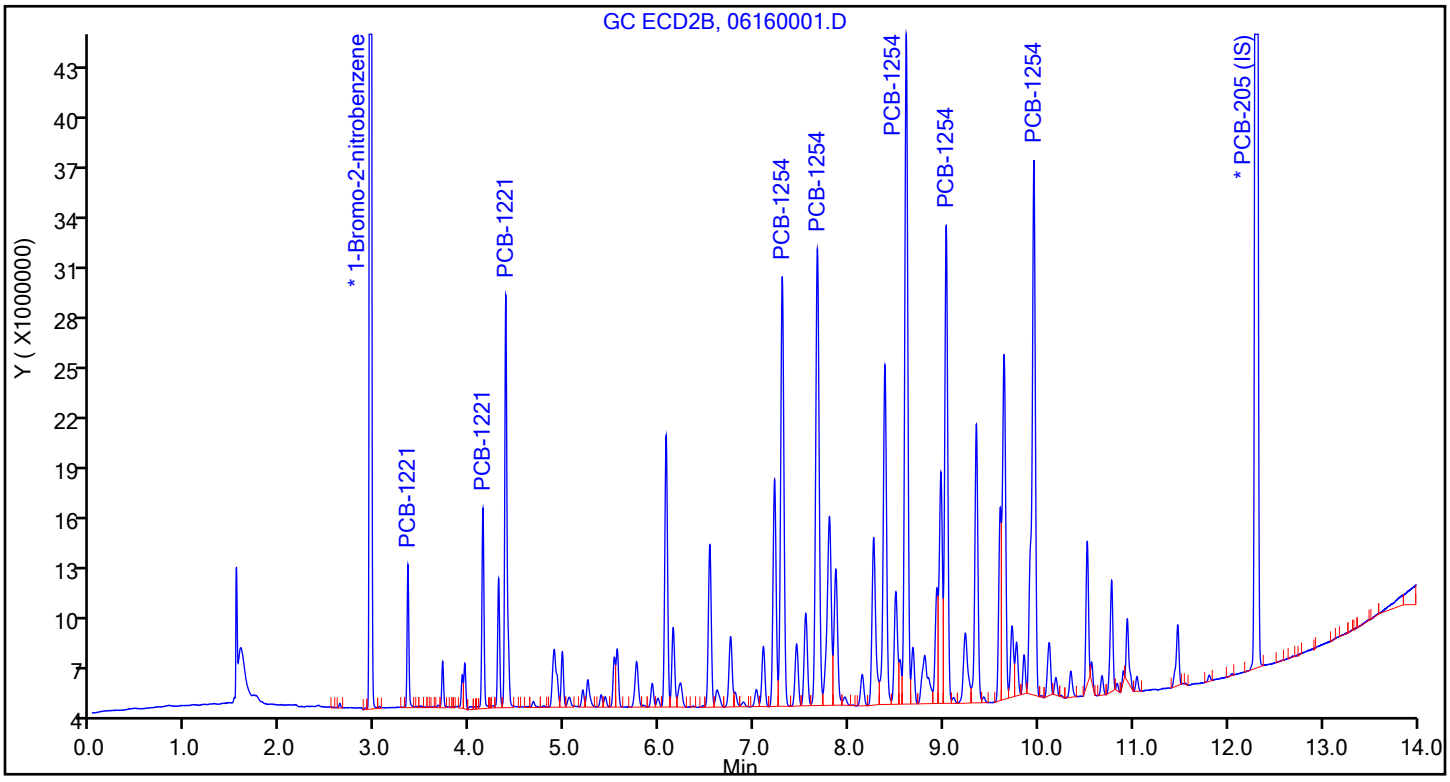
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1221 Peak 1

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

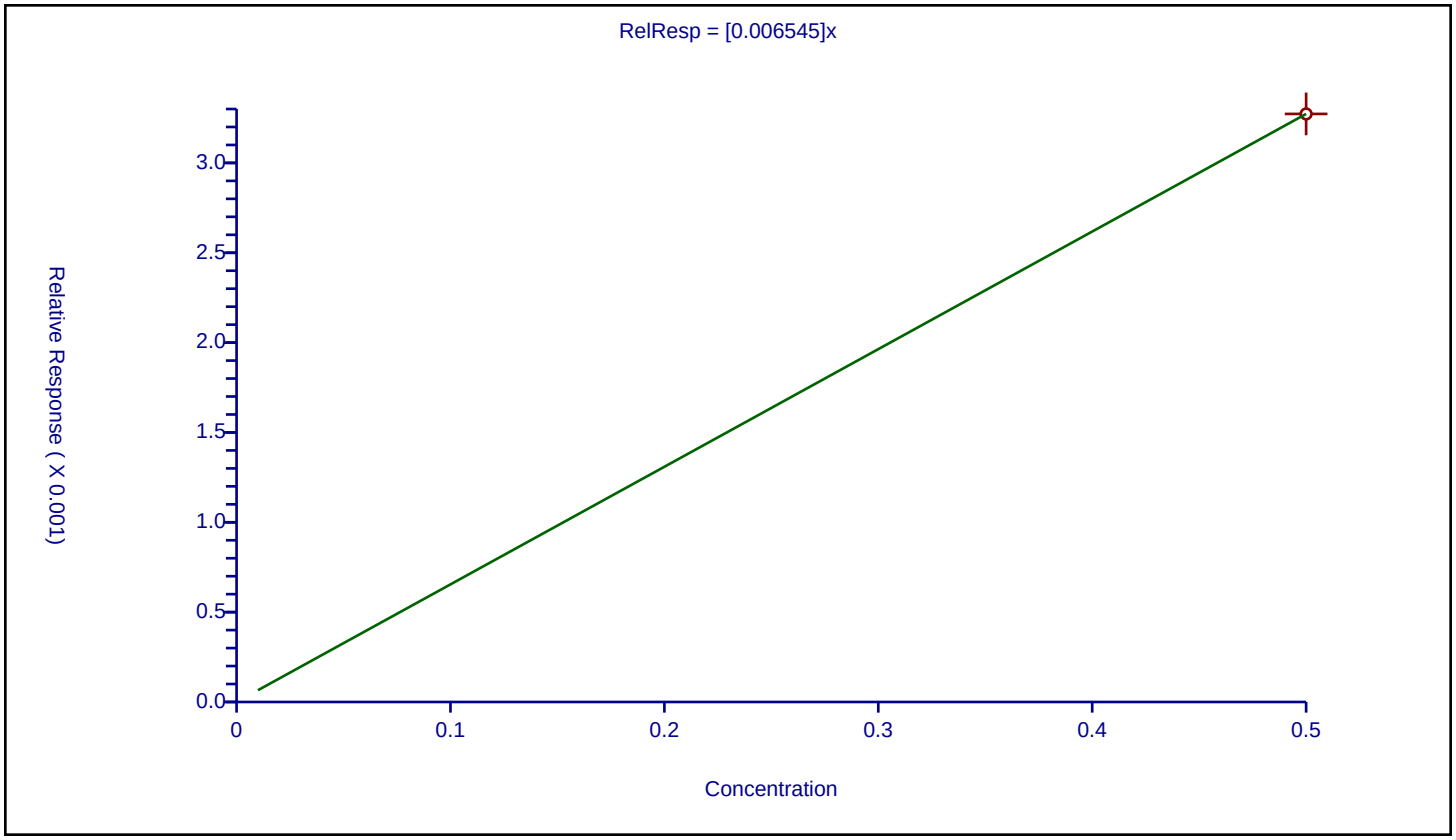
Curve Coefficients

Intercept:	0
Slope:	0.006545

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.003273	0.1	200861523.0	0.006545	Y



Calibration / PCB-1221 Peak 2

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

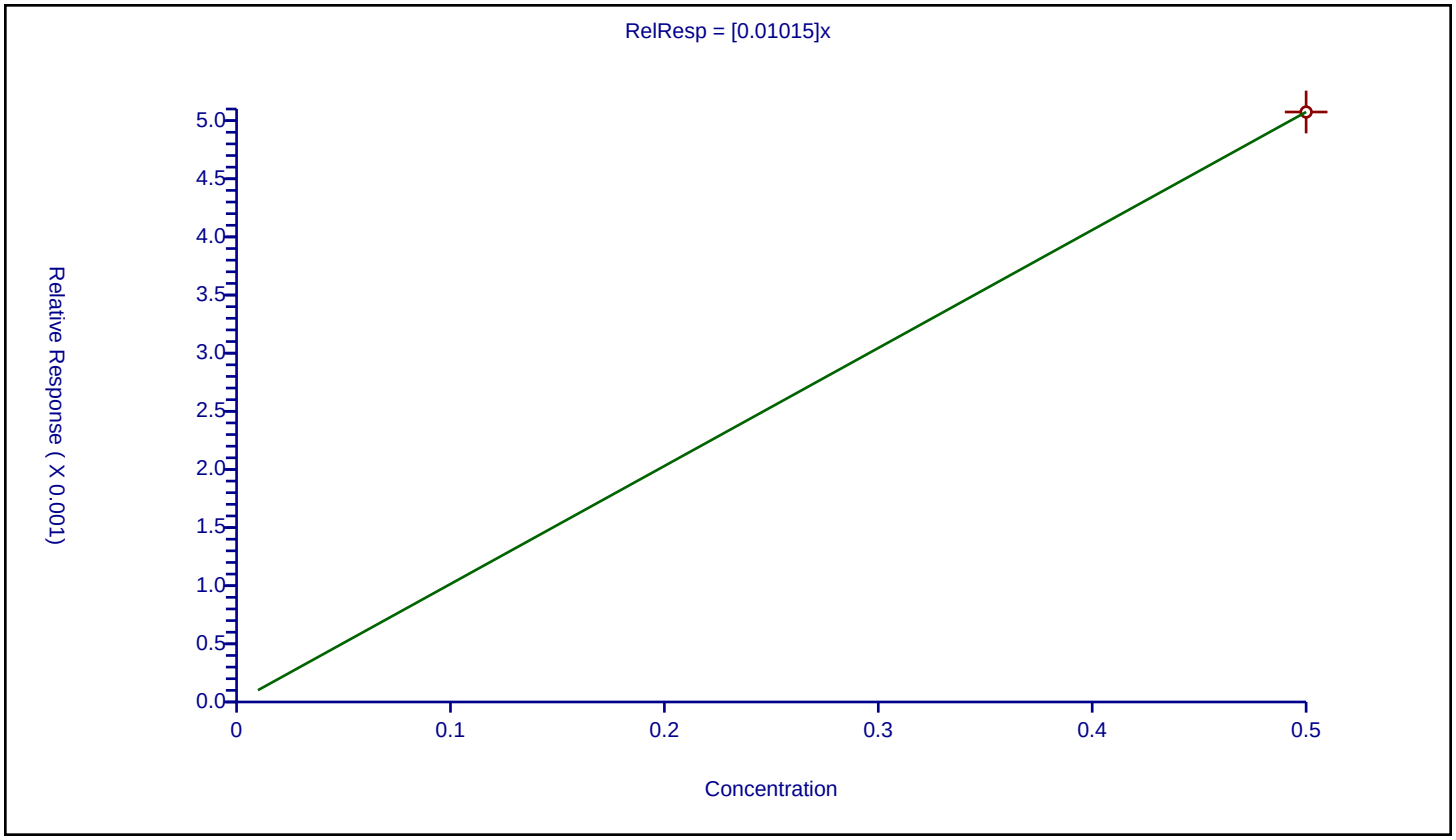
Curve Coefficients

Intercept:	0
Slope:	0.01015

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.005074	0.1	200861523.0	0.010148	Y



Calibration / PCB-1221 Peak 3

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

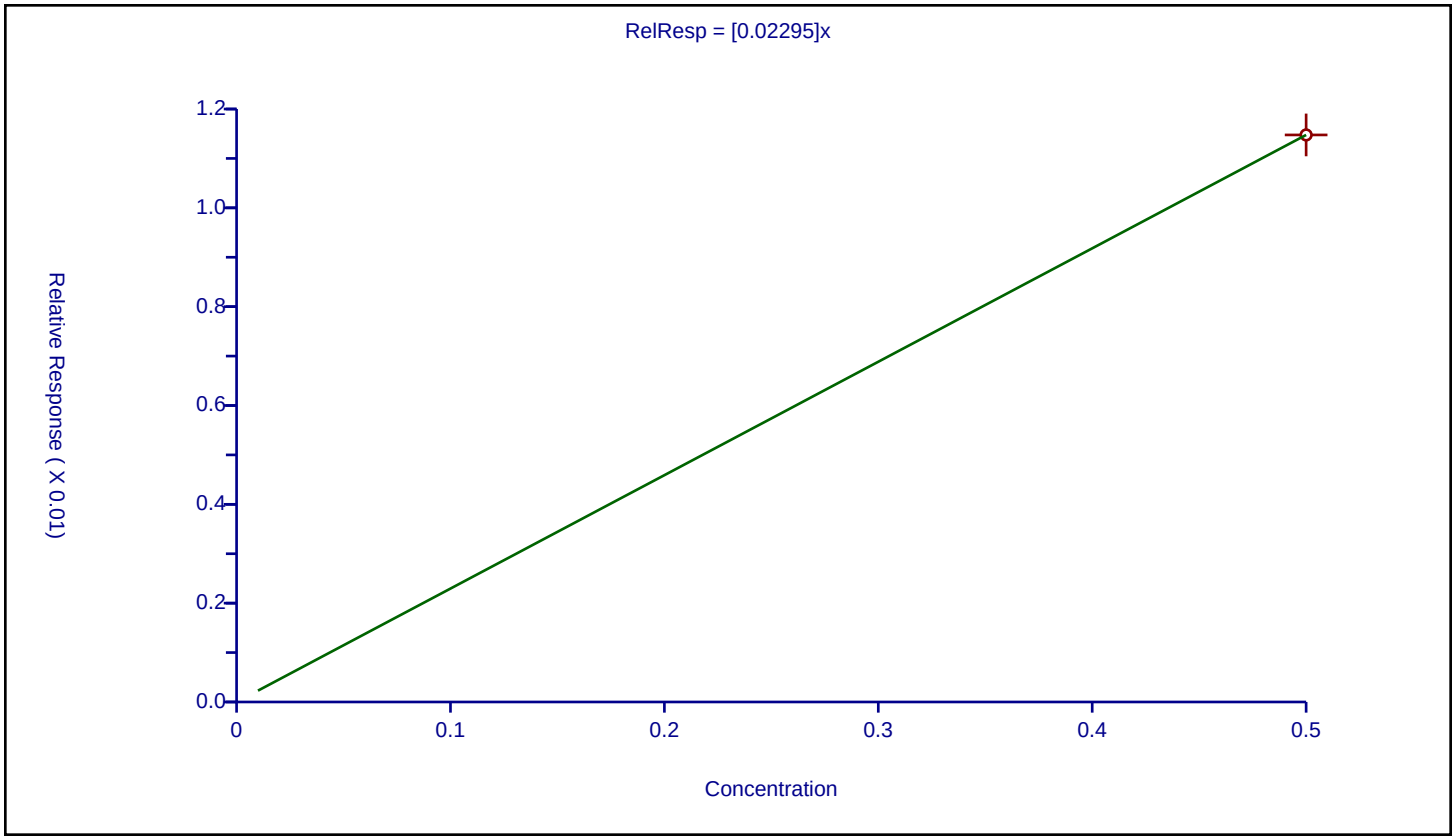
Curve Coefficients

Intercept:	0
Slope:	0.02295

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.011476	0.1	200861523.0	0.022951	Y



Calibration / PCB-1254 Peak 1

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

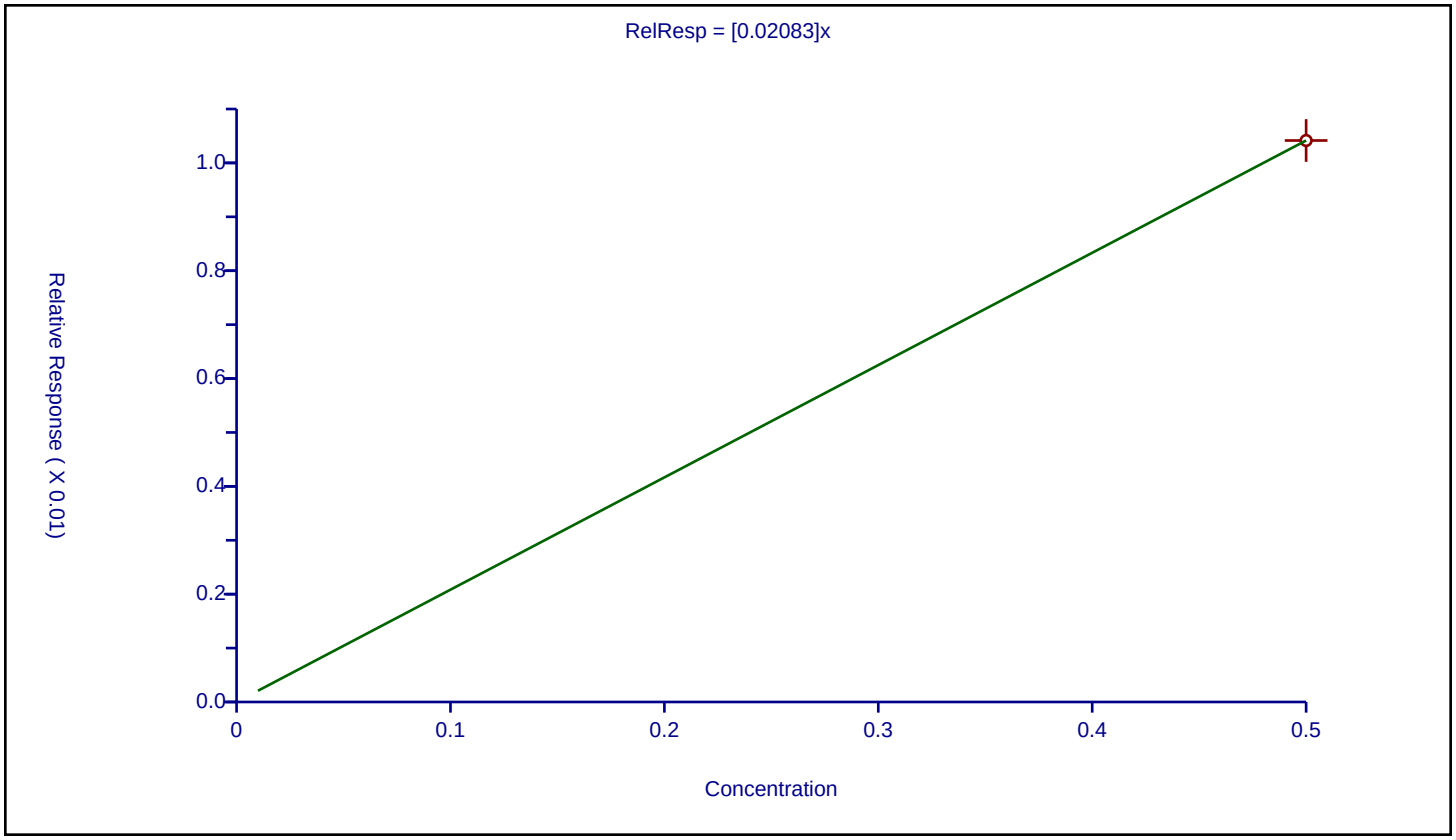
Curve Coefficients

Intercept:	0
Slope:	0.02083

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.010416	0.1	200861523.0	0.020831	Y



Calibration / PCB-1254 Peak 2

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

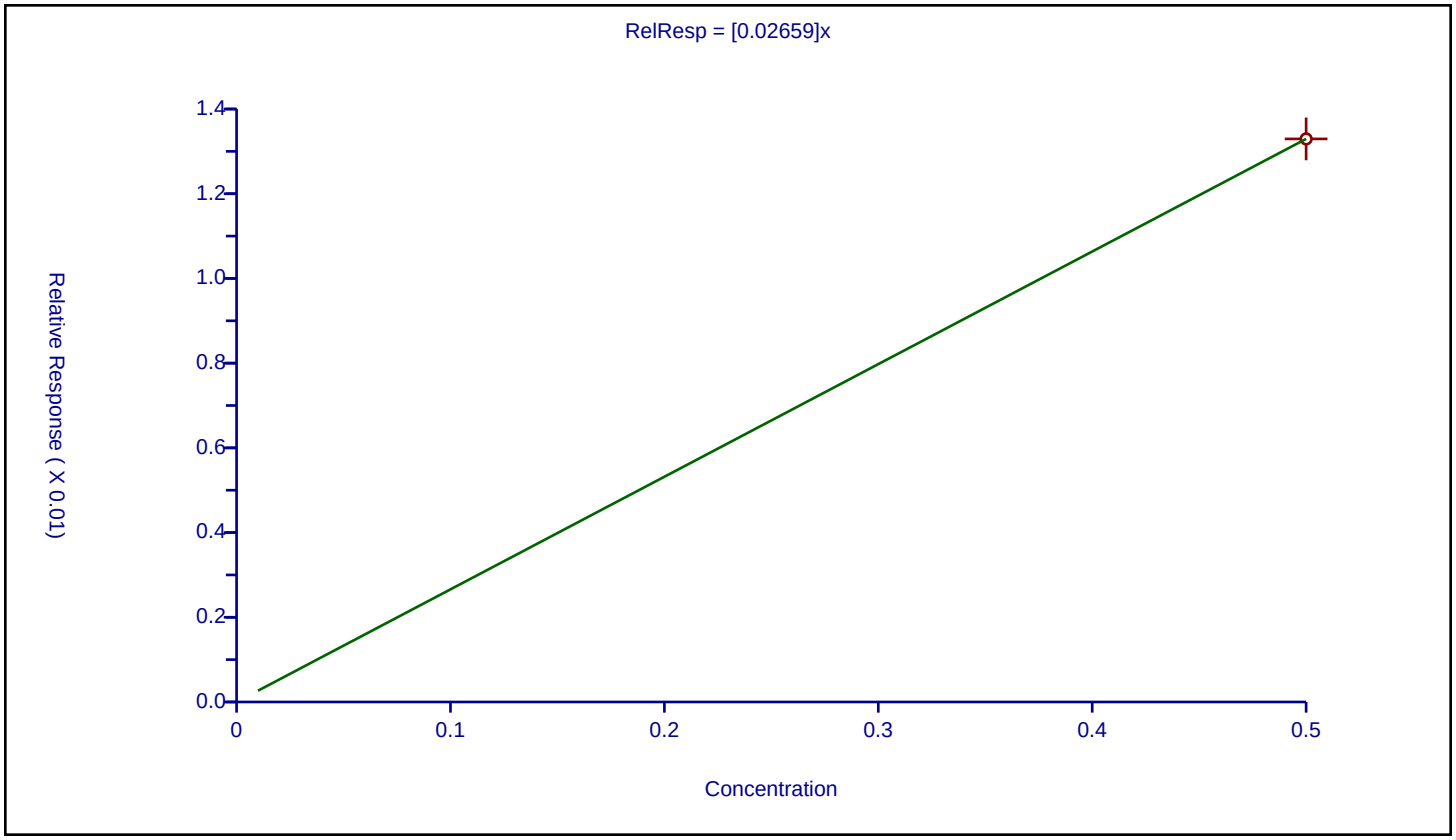
Curve Coefficients

Intercept:	0
Slope:	0.02659

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.013294	0.1	200861523.0	0.026588	Y



Calibration / PCB-1254 Peak 3

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

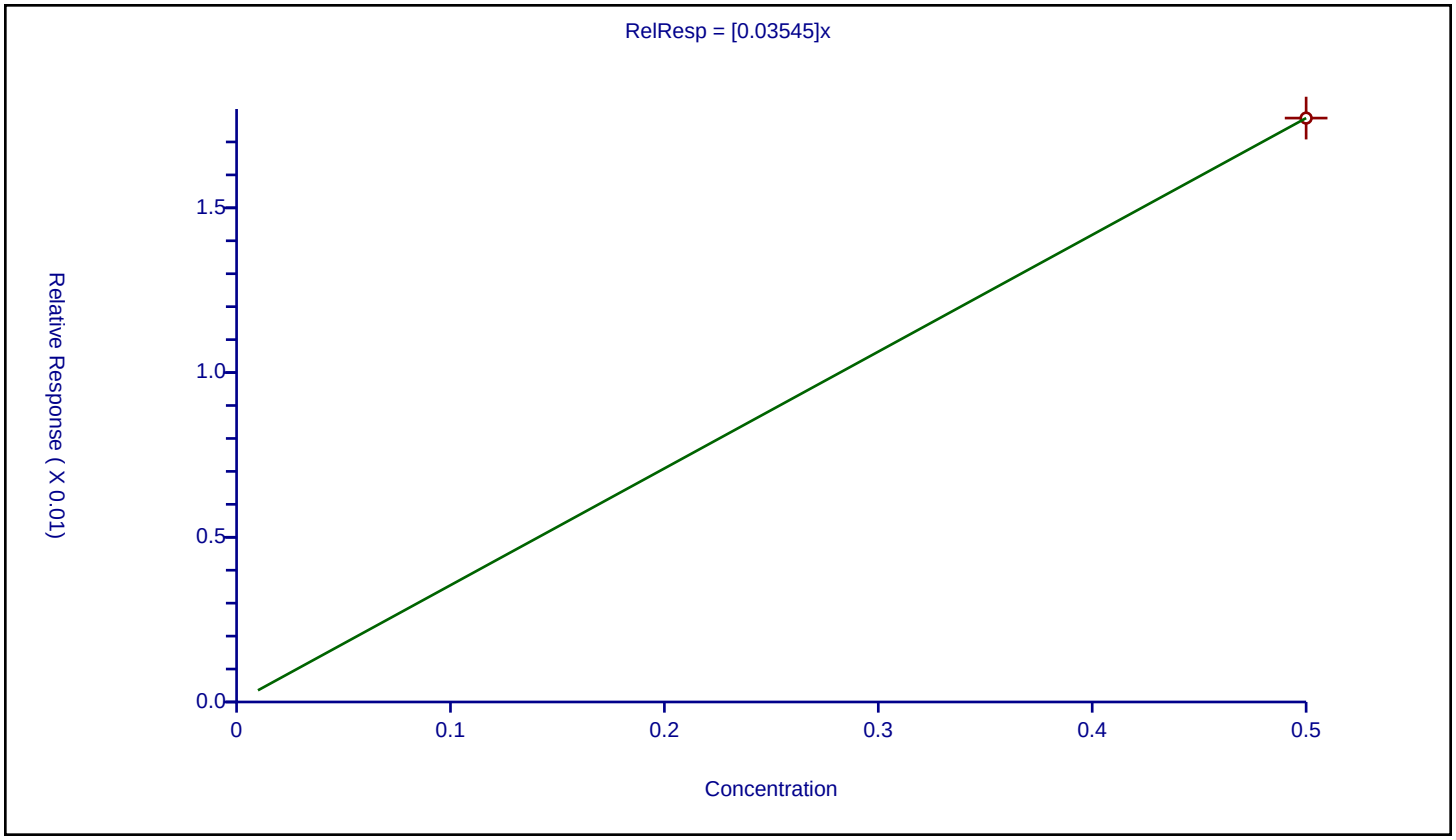
Curve Coefficients

Intercept:	0
Slope:	0.03545

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.017725	0.1	200861523.0	0.035449	Y



Calibration / PCB-1254 Peak 4

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

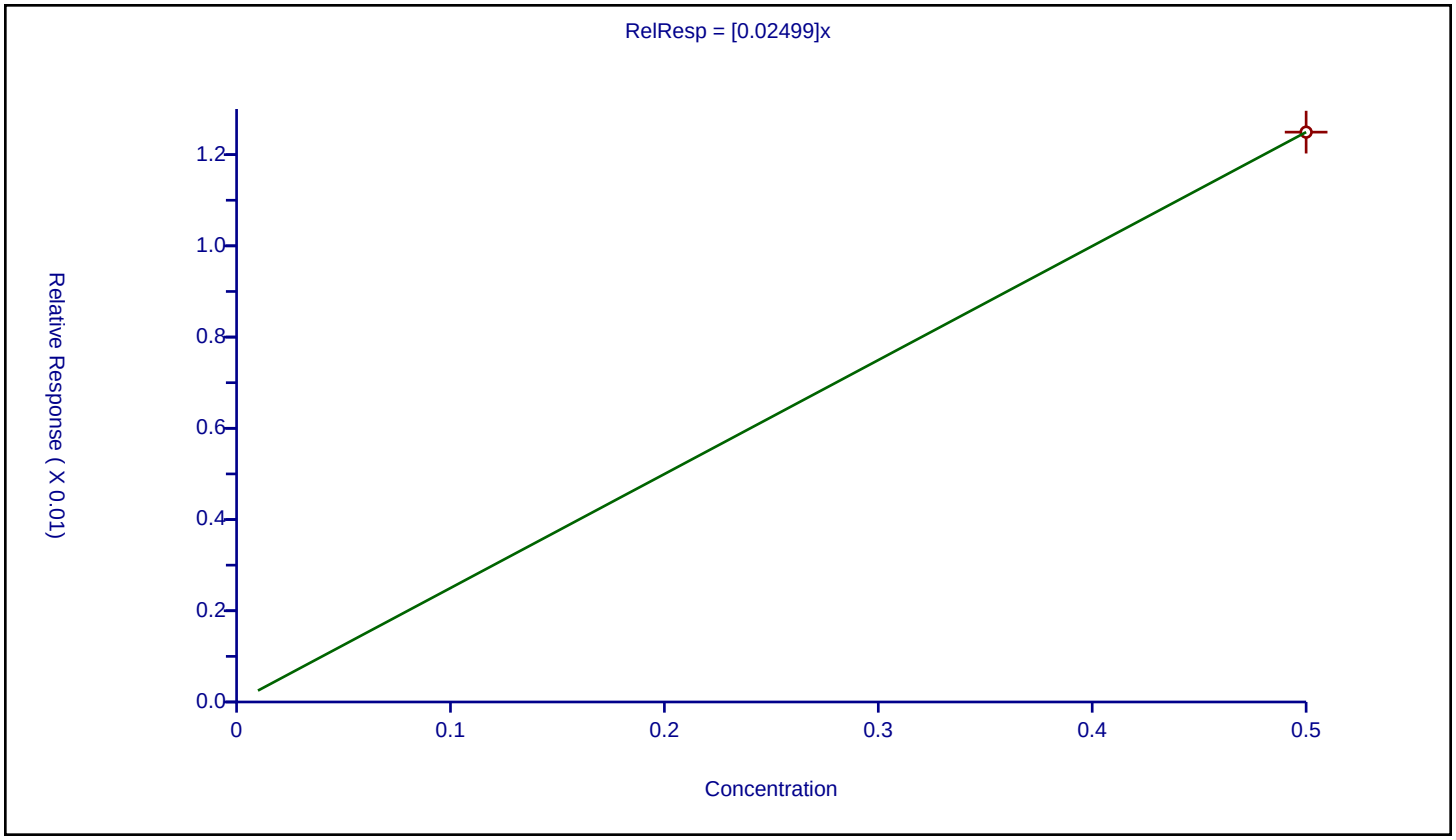
Curve Coefficients

Intercept:	0
Slope:	0.02499

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.012493	0.1	200861523.0	0.024986	Y



Calibration / PCB-1254 Peak 5

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

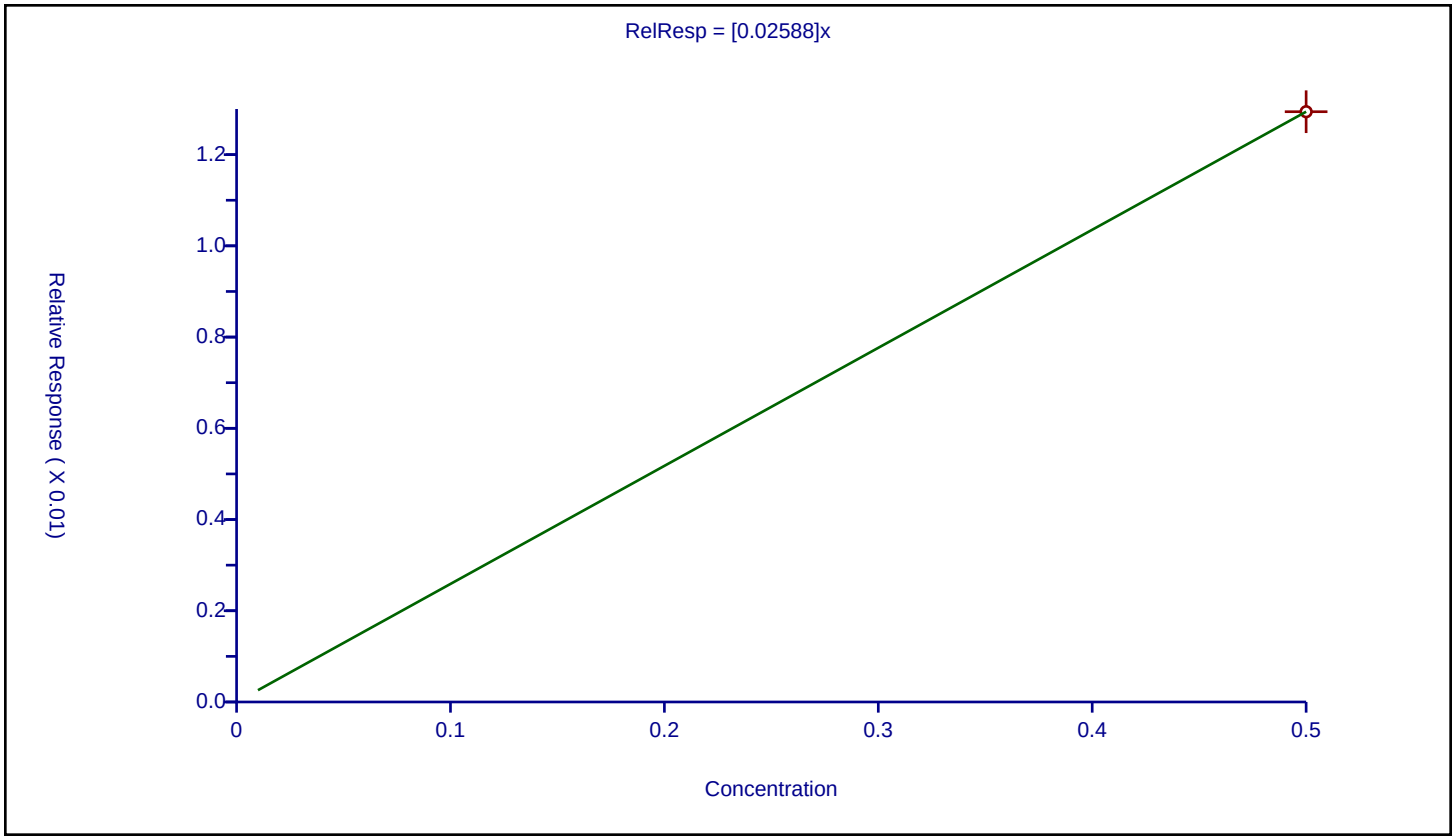
Curve Coefficients

Intercept:	0
Slope:	0.02588

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.012941	0.1	200861523.0	0.025881	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48800

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0067					Ave		0.0067						20.0			
PCB-1221 Peak 2	0.0093					Ave		0.0093						20.0			
PCB-1221 Peak 3	0.0192					Ave		0.0192						20.0			
PCB-1254 Peak 1	0.0200					Ave		0.0200						20.0			
PCB-1254 Peak 2	0.0213					Ave		0.0213						20.0			
PCB-1254 Peak 3	0.0312					Ave		0.0312						20.0			
PCB-1254 Peak 4	0.0222					Ave		0.0222						20.0			
PCB-1254 Peak 5	0.0249					Ave		0.0249						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48800

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	8429078					0.500				
PCB-1221 Peak 2	BNB	Ave	11820557					0.500				
PCB-1221 Peak 3	BNB	Ave	24328997					0.500				
PCB-1254 Peak 1	BNB	Ave	25336128					0.500				
PCB-1254 Peak 2	BNB	Ave	26927682					0.500				
PCB-1254 Peak 3	BNB	Ave	39492096					0.500				
PCB-1254 Peak 4	BNB	Ave	28179279					0.500				
PCB-1254 Peak 5	BNB	Ave	31541945					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 07:52 Calibration End Date: 06/16/2022 07:52 Calibration ID: 48800

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/1	06160001.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1221 Peak 1	0.0						50					
PCB-1221 Peak 2	0.0						50					
PCB-1221 Peak 3	0.0						50					
PCB-1254 Peak 1	0.0						50					
PCB-1254 Peak 2	0.0						50					
PCB-1254 Peak 3	0.0						50					
PCB-1254 Peak 4	0.0						50					
PCB-1254 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160001.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 07:52:27 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-001
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub7

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:51 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:25:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.742	2.749	-0.008	200861523H	0.1000	0.1000	
2	2.944	2.949	-0.006	253411644H	0.1000	0.1000	
3 PCB-1221							
1	2.911	2.911	0.000	6573450H	0.5000	0.5000	
1	3.511	3.511	0.000	10192148H	0.5000	0.5000	
1	3.689	3.689	0.000	23050196H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.339	3.339	0.000	8429078H	0.5000	0.5000	
2	4.132	4.132	0.000	11820557H	0.5000	0.5000	
2	4.373	4.373	0.000	24328997H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	5.778	5.778	0.000	20921029H	0.5000	0.5000	
1	6.175	6.175	0.000	26702369H	0.5000	0.5000	
1	6.836	6.836	0.000	35602059H	0.5000	0.5000	
1	7.331	7.331	0.000	25093905H	0.5000	0.5000	
1	8.244	8.244	0.000	25992931H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	7.294	7.294	0.000	25336128H	0.5000	0.5000	
2	7.665	7.665	0.000	26927682H	0.5000	0.5000	
2	8.604	8.604	0.000	39492096H	0.5000	0.5000	
2	9.027	9.027	0.000	28179279H	0.5000	0.5000	
2	9.953	9.953	0.000	31541945H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.948	10.957	-0.008	132126653H	0.1000	0.1000	
2	12.303	12.308	-0.004	149516872H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR2154CALL4_00028	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:51 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160001.D

Injection Date: 16-Jun-2022 07:52:27 Instrument ID: CHGC20

Lims ID: IC

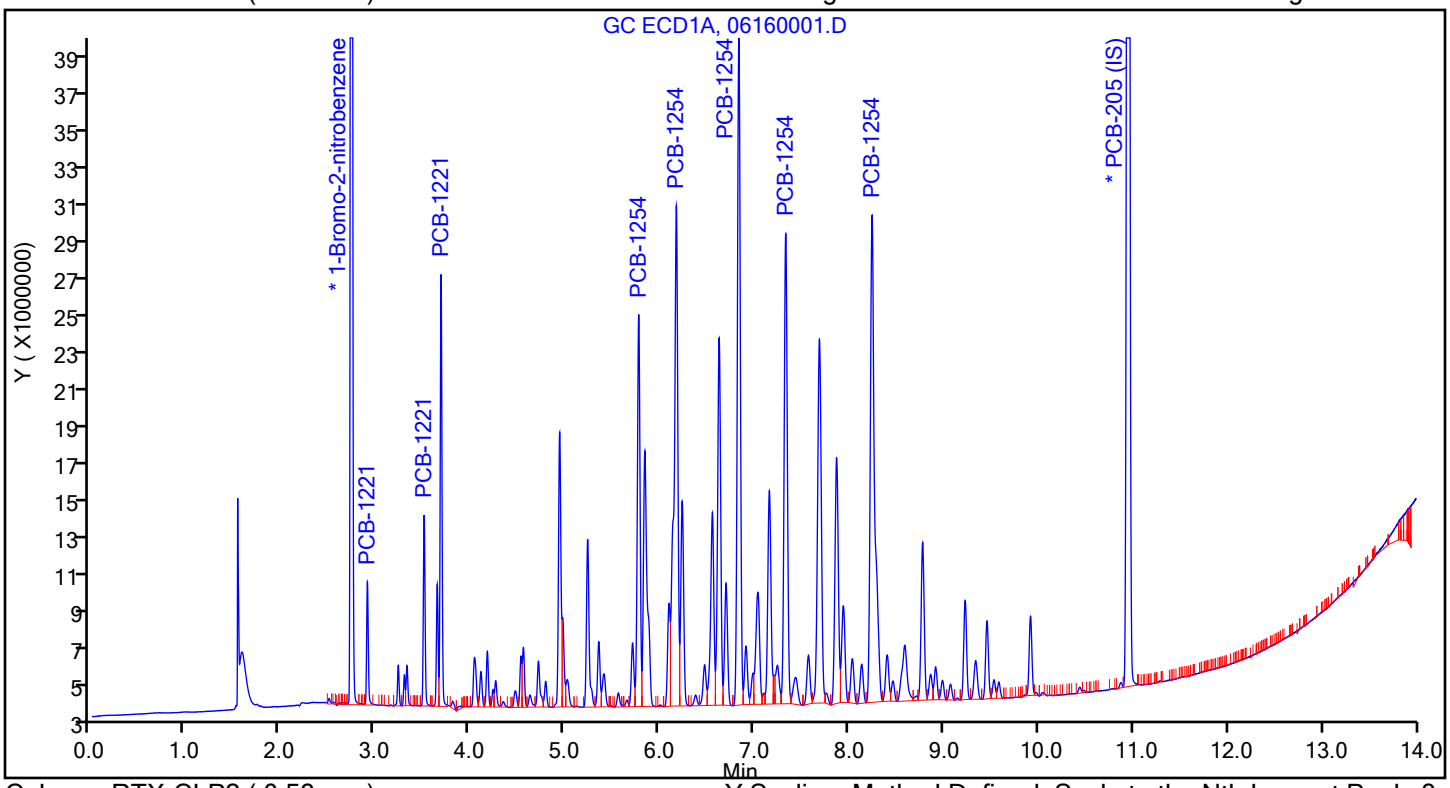
Client ID:

Operator ID: 402331 ALS Bottle#: 1 Worklist Smp#: 1

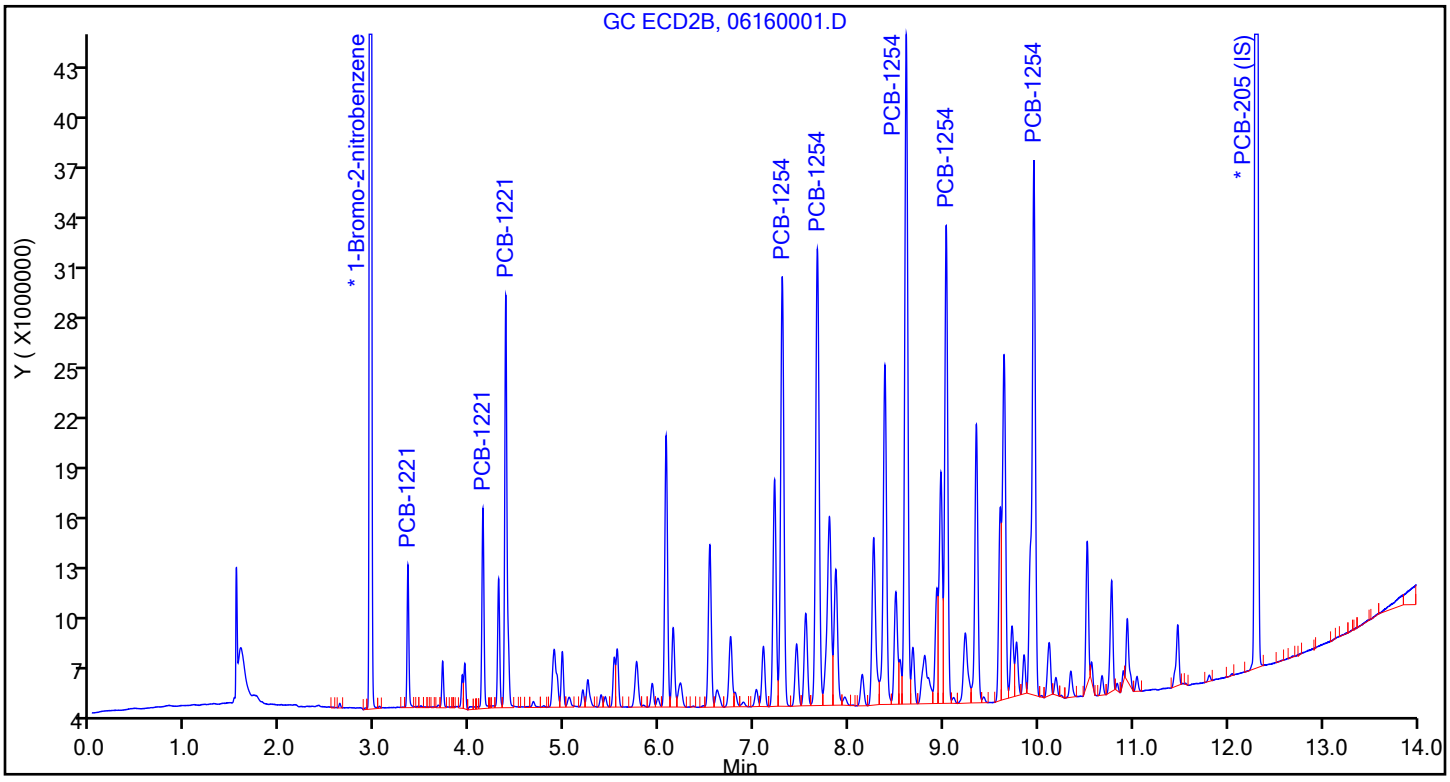
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1221 Peak 1

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

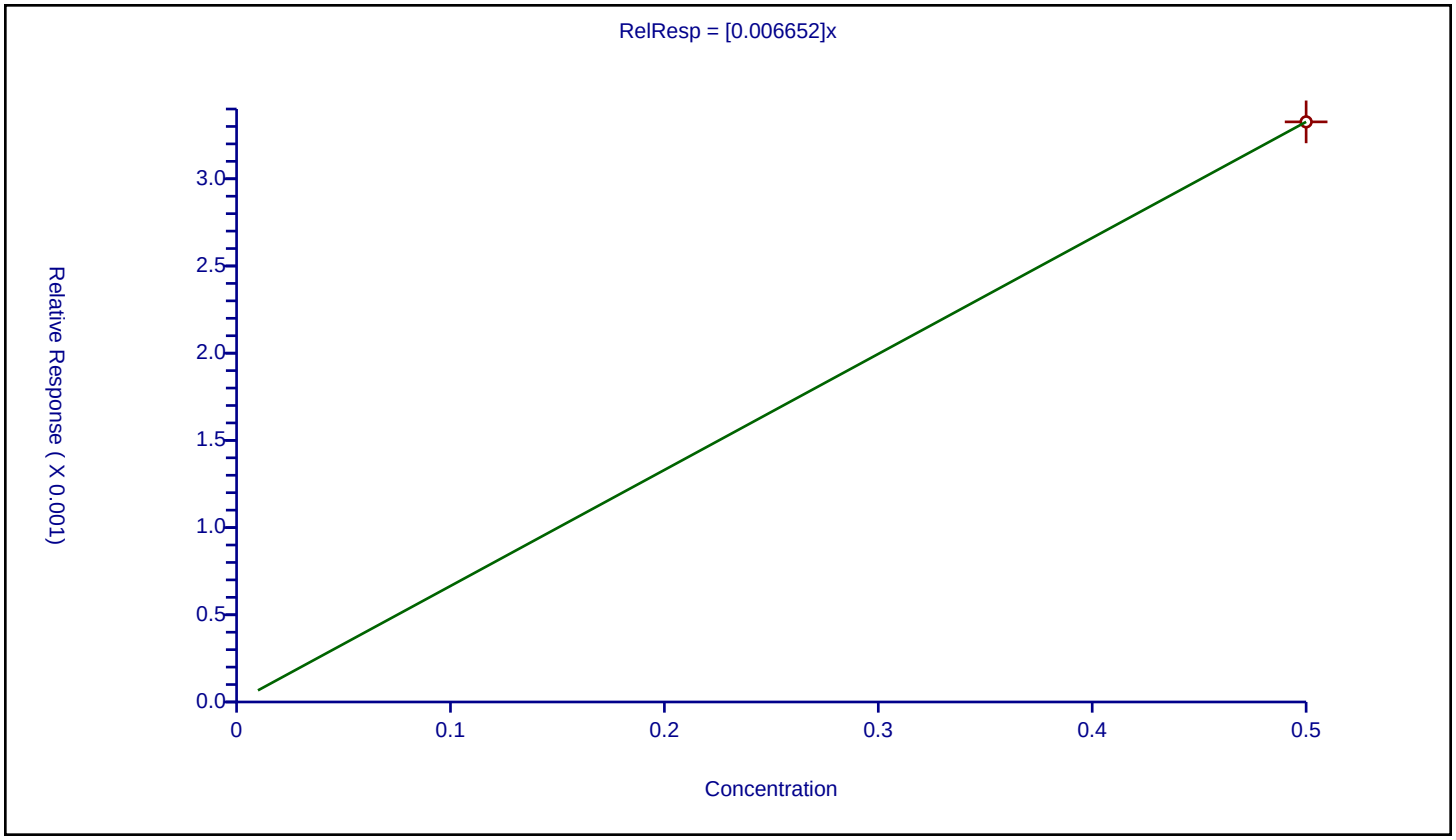
Curve Coefficients

Intercept:	0
Slope:	0.006652

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.003326	0.1	253411644.0	0.006652	Y



Calibration / PCB-1221 Peak 2

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

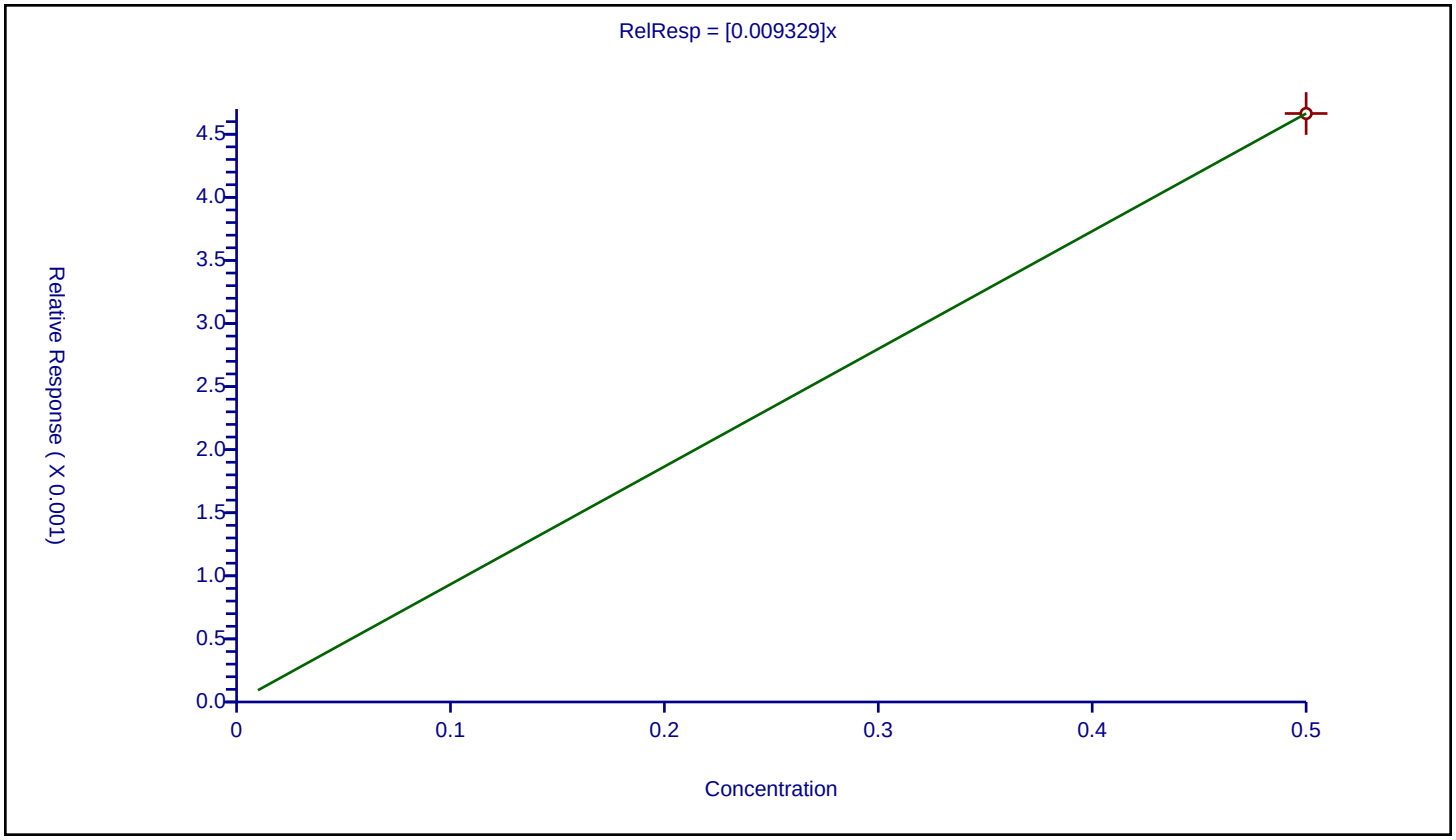
Curve Coefficients

Intercept:	0
Slope:	0.009329

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.004665	0.1	253411644.0	0.009329	Y



Calibration / PCB-1221 Peak 3

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

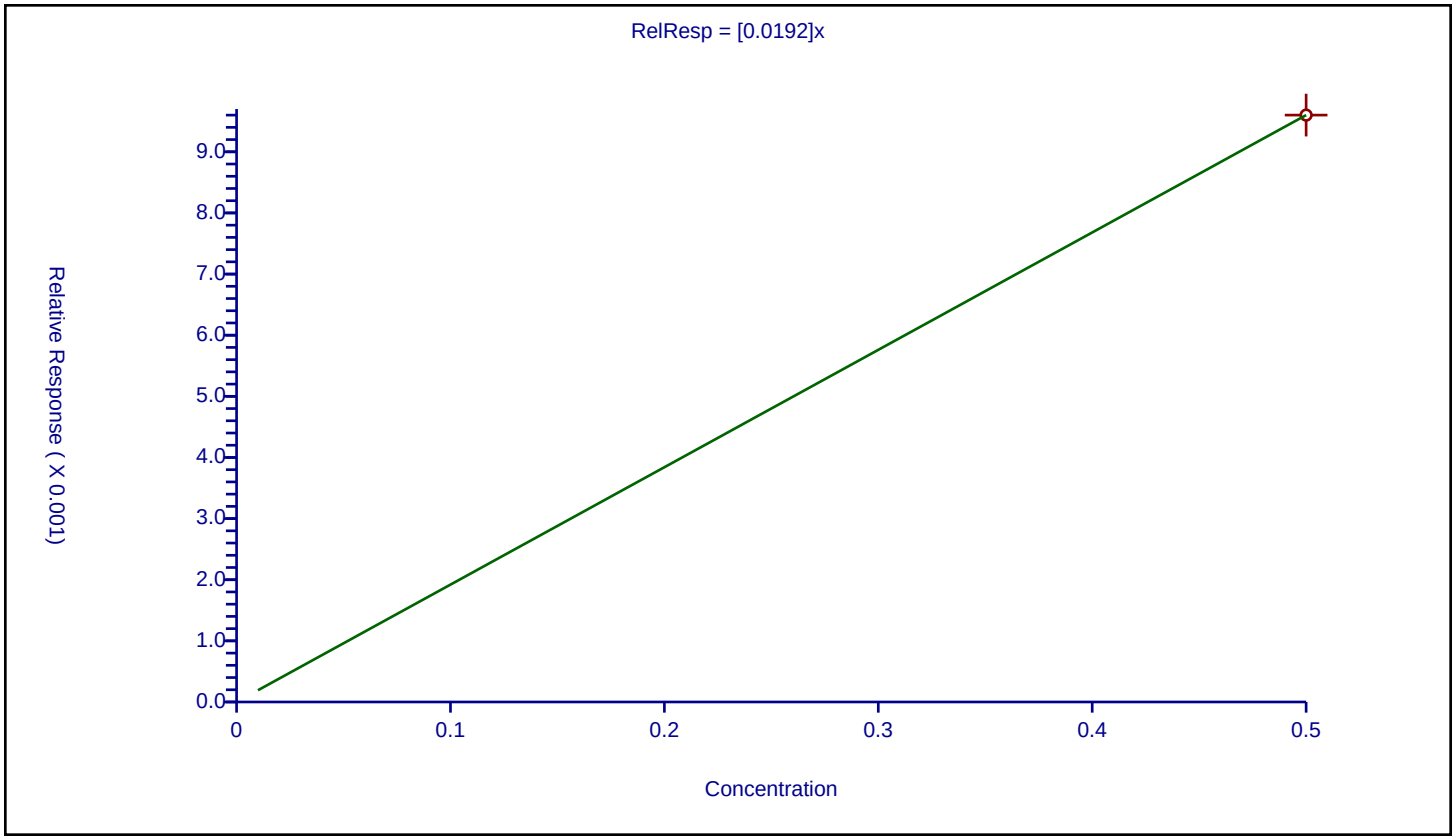
Curve Coefficients

Intercept:	0
Slope:	0.0192

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.009601	0.1	253411644.0	0.019201	Y



Calibration / PCB-1254 Peak 1

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

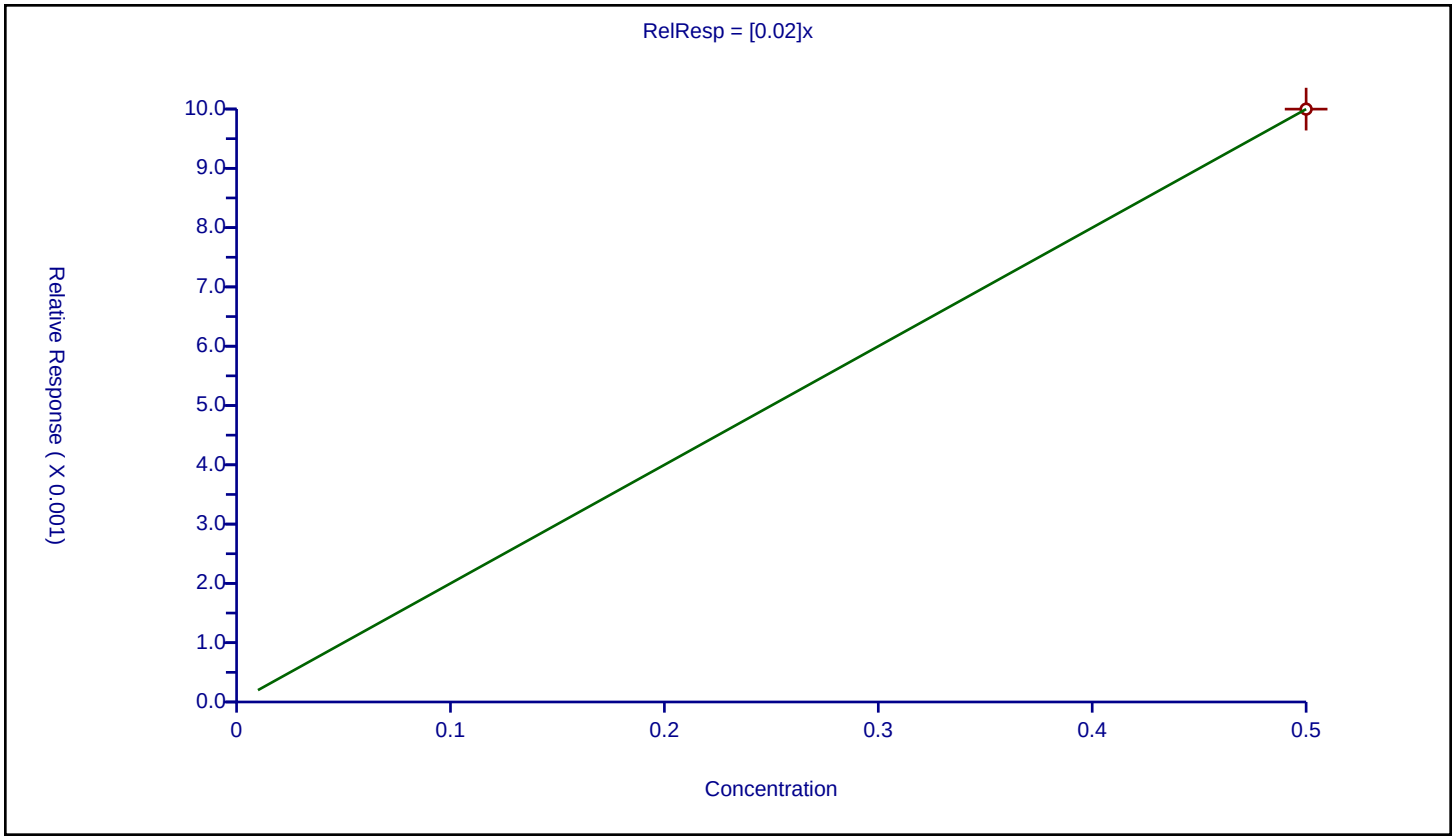
Curve Coefficients

Intercept:	0
Slope:	0.02

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.009998	0.1	253411644.0	0.019996	Y



Calibration / PCB-1254 Peak 2

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

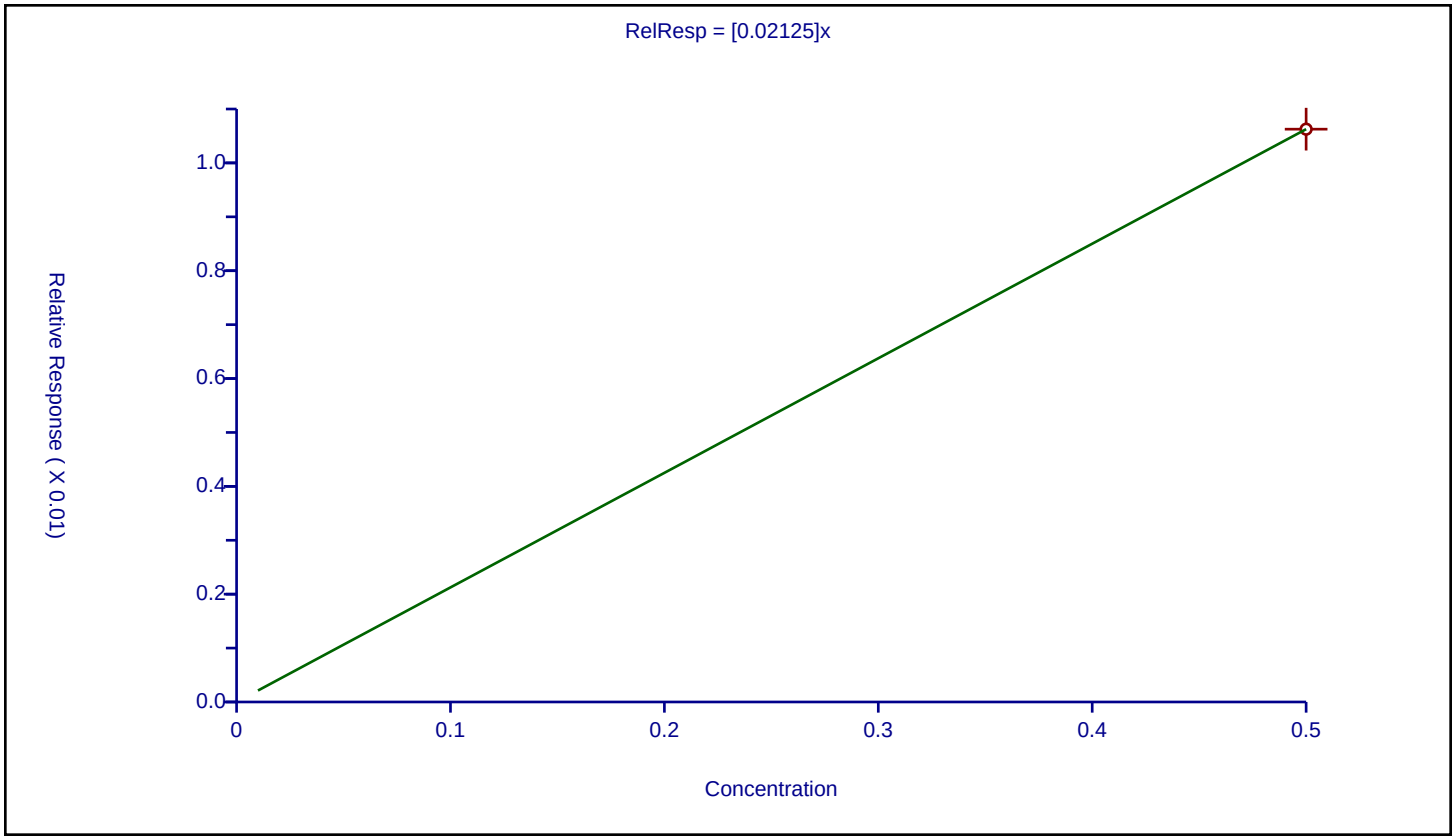
Curve Coefficients

Intercept:	0
Slope:	0.02125

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.010626	0.1	253411644.0	0.021252	Y



Calibration / PCB-1254 Peak 3

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

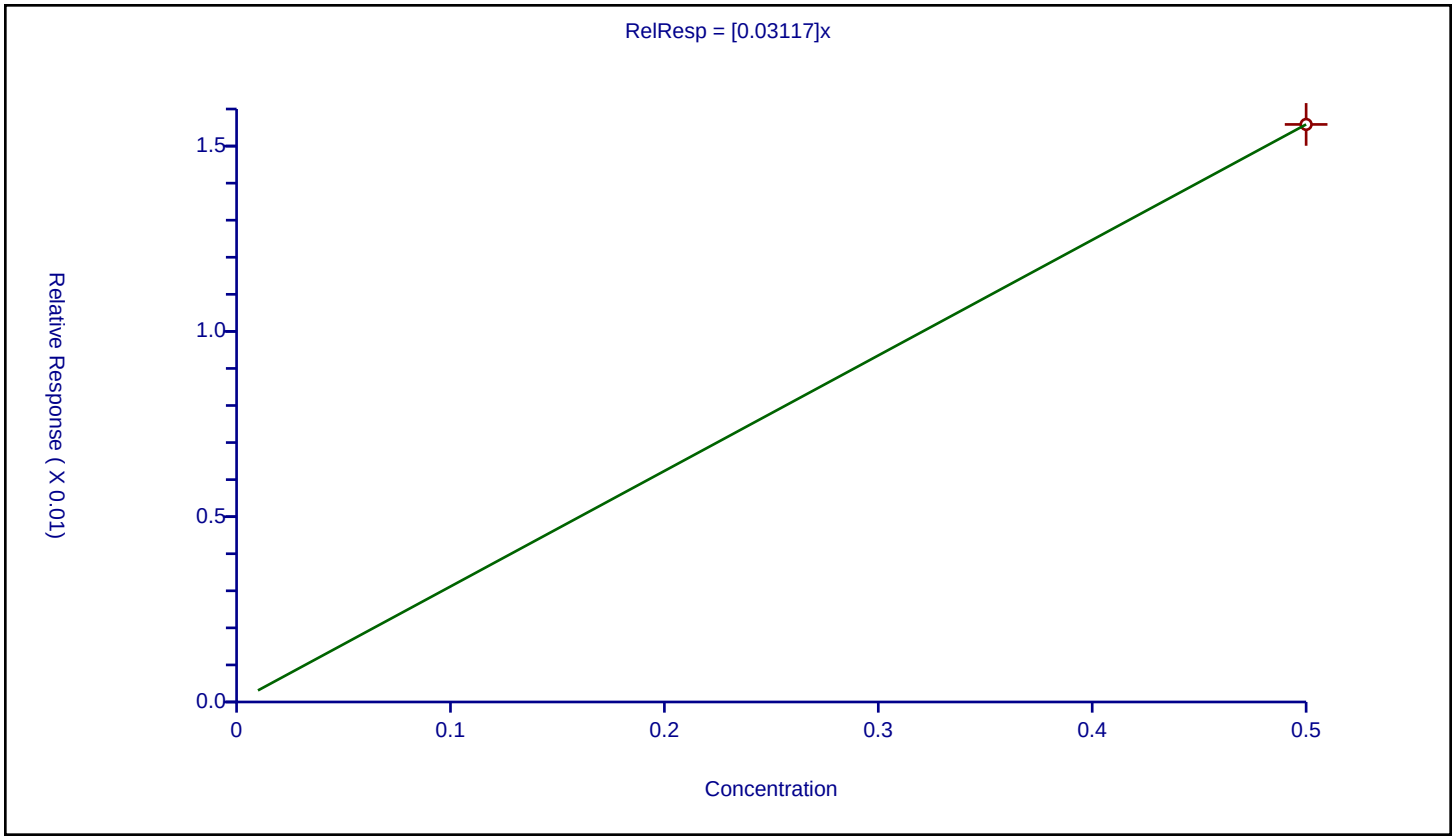
Curve Coefficients

Intercept:	0
Slope:	0.03117

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.015584	0.1	253411644.0	0.031168	Y



Calibration / PCB-1254 Peak 4

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

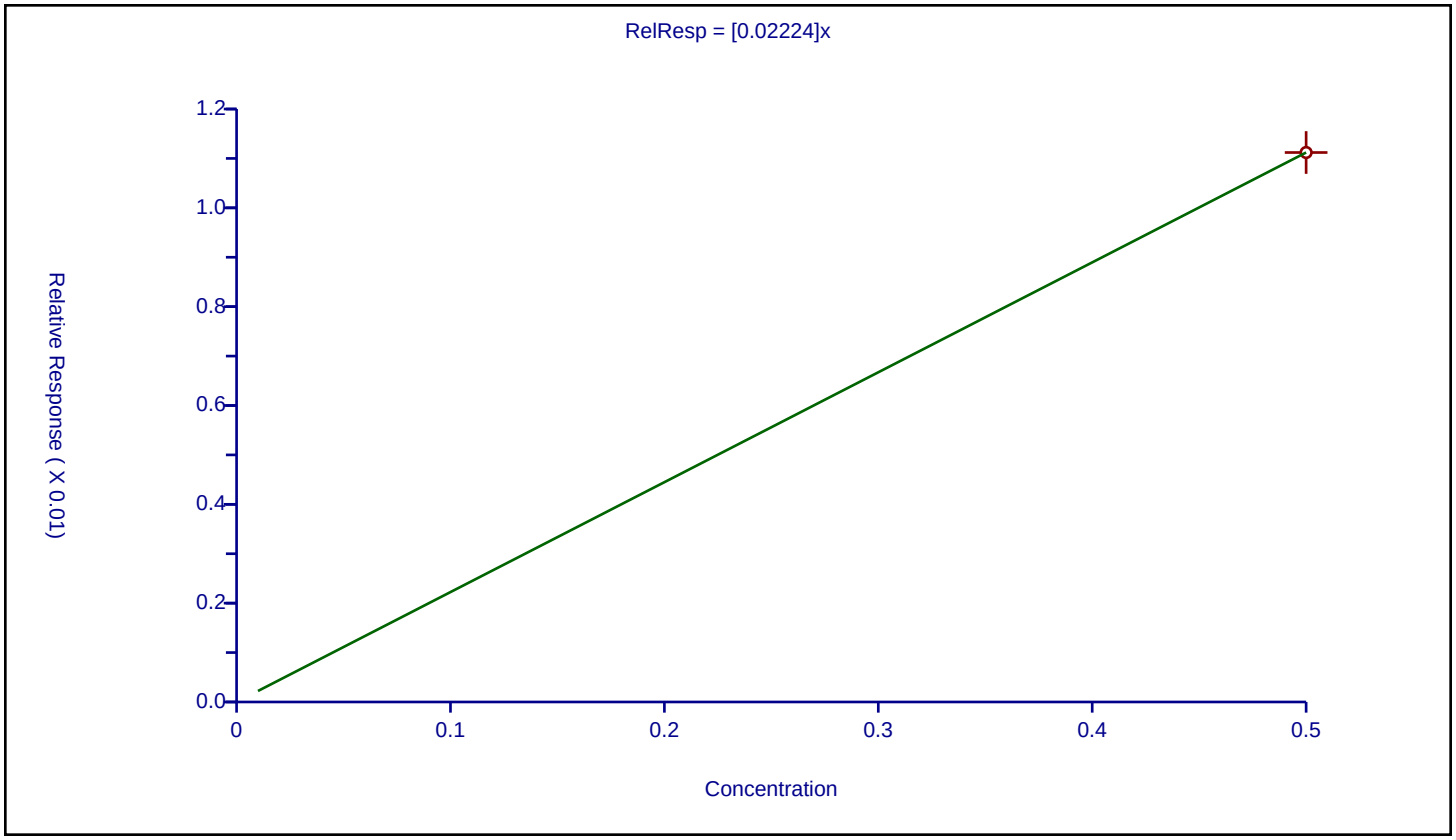
Curve Coefficients

Intercept:	0
Slope:	0.02224

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.01112	0.1	253411644.0	0.02224	Y



Calibration / PCB-1254 Peak 5

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

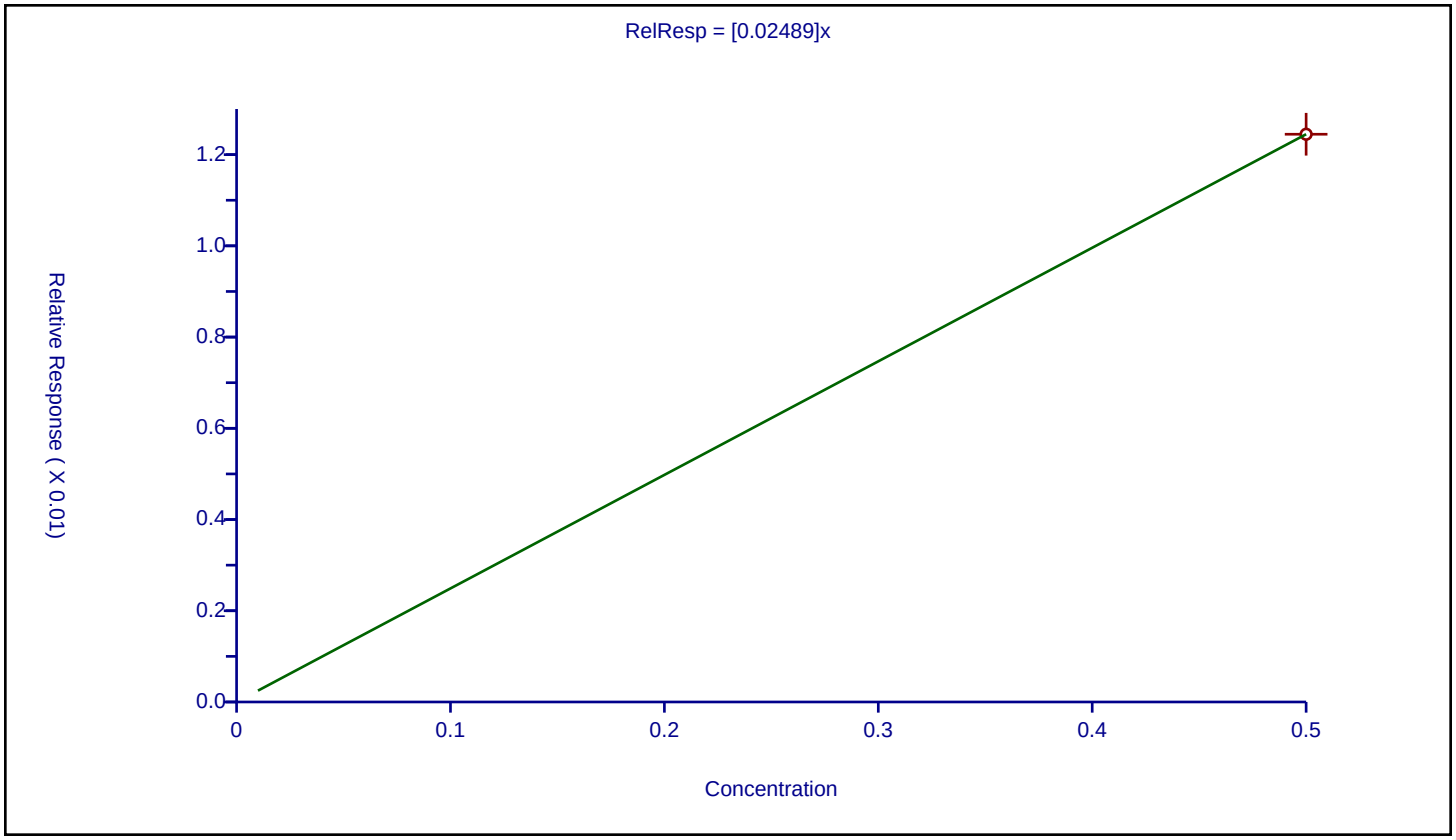
Curve Coefficients

Intercept:	0
Slope:	0.02489

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/1	0.5	0.012447	0.1	253411644.0	0.024894	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48805

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0067					Ave		0.0067						20.0			
PCB-1232 Peak 2	0.0181					Ave		0.0181						20.0			
PCB-1232 Peak 3	0.0105					Ave		0.0105						20.0			
PCB-1232 Peak 4	0.0096					Ave		0.0096						20.0			
PCB-1232 Peak 5	0.0072					Ave		0.0072						20.0			
PCB-1262 Peak 1	0.0307					Ave		0.0307						20.0			
PCB-1262 Peak 2	0.0482					Ave		0.0482						20.0			
PCB-1262 Peak 3	0.1045					Ave		0.1045						20.0			
PCB-1262 Peak 4	0.0367					Ave		0.0367						20.0			
PCB-1262 Peak 5	0.0320					Ave		0.0320						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48805

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	7125618					0.500				
PCB-1232 Peak 2	BNB	Ave	19312734					0.500				
PCB-1232 Peak 3	BNB	Ave	11187506					0.500				
PCB-1232 Peak 4	BNB	Ave	10209522					0.500				
PCB-1232 Peak 5	BNB	Ave	7619923					0.500				
PCB-1262 Peak 1	PCB205	Ave	21561250					0.500				
PCB-1262 Peak 2	PCB205	Ave	33873413					0.500				
PCB-1262 Peak 3	PCB205	Ave	73524497					0.500				
PCB-1262 Peak 4	PCB205	Ave	25828686					0.500				
PCB-1262 Peak 5	PCB205	Ave	22545141					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48805

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1232 Peak 1	0.0						50					
PCB-1232 Peak 2	0.0						50					
PCB-1232 Peak 3	0.0						50					
PCB-1232 Peak 4	0.0						50					
PCB-1232 Peak 5	0.0						50					
PCB-1262 Peak 1	0.0						50					
PCB-1262 Peak 2	0.0						50					
PCB-1262 Peak 3	0.0						50					
PCB-1262 Peak 4	0.0						50					
PCB-1262 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160002.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:11:23 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-002
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub10

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:53 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:29:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.744	2.749	-0.006	212901863H	0.1000	0.1000	
2	2.946	2.949	-0.004	276123528H	0.1000	0.1000	
4 PCB-1232							
1	3.514	3.514	0.000	7125618H	0.5000	0.5000	
1	3.692	3.692	0.000	19312734H	0.5000	0.5000	
1	4.044	4.044	0.000	11187506H	0.5000	0.5000	
1	4.721	4.721	0.000	10209522H	0.5000	0.5000	
1	5.243	5.243	0.000	7619923H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.135	4.135	0.000	8100772H	0.5000	0.5000	
2	4.376	4.376	0.000	21048826H	0.5000	0.5000	
2	4.892	4.892	0.000	11853704H	0.5000	0.5000	
2	6.532	6.532	0.000	8174998H	0.5000	0.5000	
2	7.304	7.304	0.000	11342814H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							
1	7.162	7.162	0.000	21561250H	0.5000	0.5000	
1	8.469	8.469	0.000	33873413H	0.5000	0.5000	
1	9.461	9.461	0.000	73524497H	0.5000	0.5000	
1	9.921	9.921	0.000	25828686H	0.5000	0.5000	
1	10.049	10.049	0.000	22545141H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	9.349	9.349	0.000	30245426H	0.5000	0.5000	
2	10.104	10.104	0.000	40862419H	0.5000	0.5000	
2	10.566	10.566	0.000	36620862H	0.5000	0.5000	
2	10.943	10.943	0.000	76640187H	0.5000	0.5000	
2	11.467	11.467	0.000	43432986H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.953	10.957	-0.004	140691491H	0.1000	0.1000	
2	12.306	12.308	-0.002	159473808H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR3262CALL4_00022	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:54 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160002.D

Injection Date: 16-Jun-2022 08:11:23 Instrument ID: CHGC20

Lims ID: IC

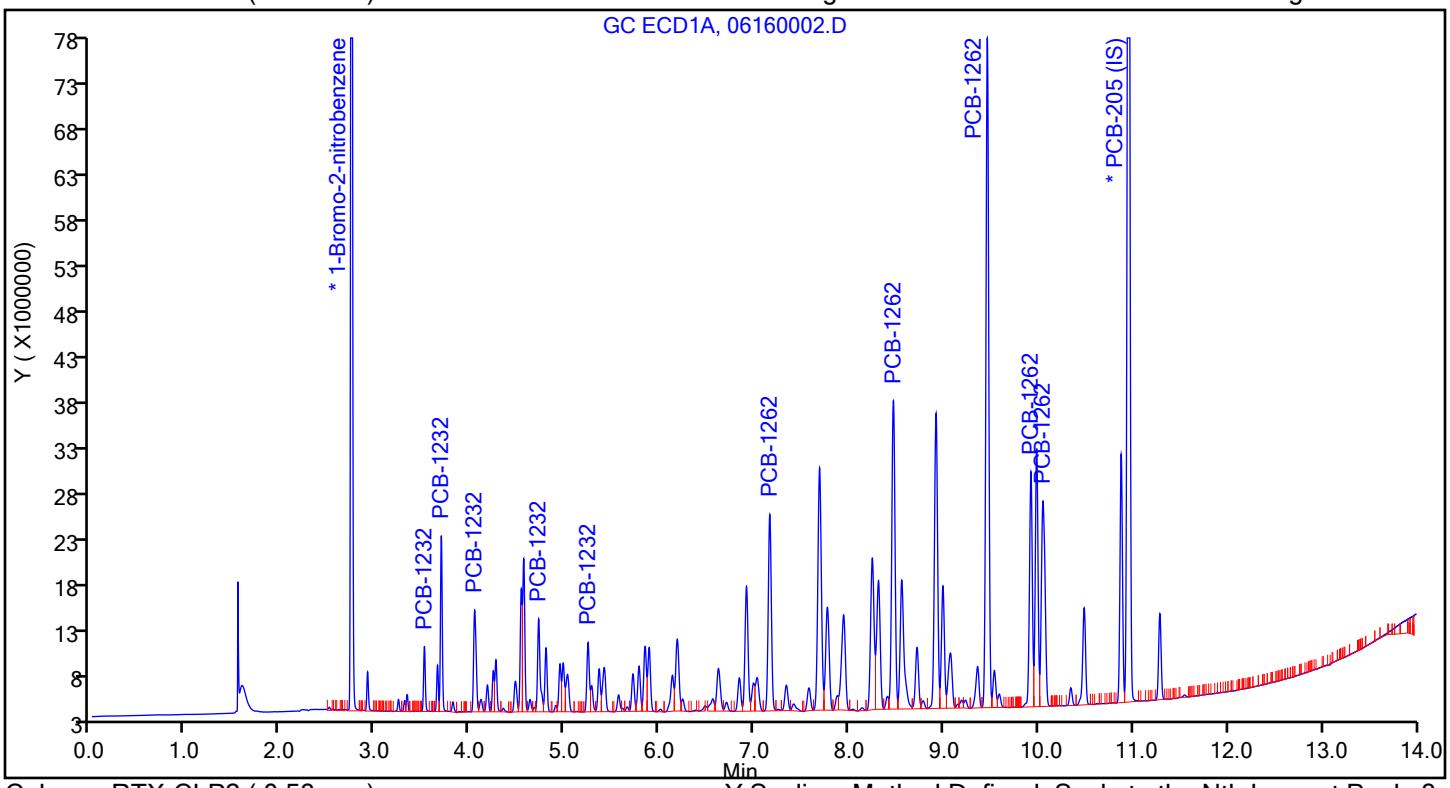
Client ID:

Operator ID: 402331 ALS Bottle#: 2 Worklist Smp#: 2

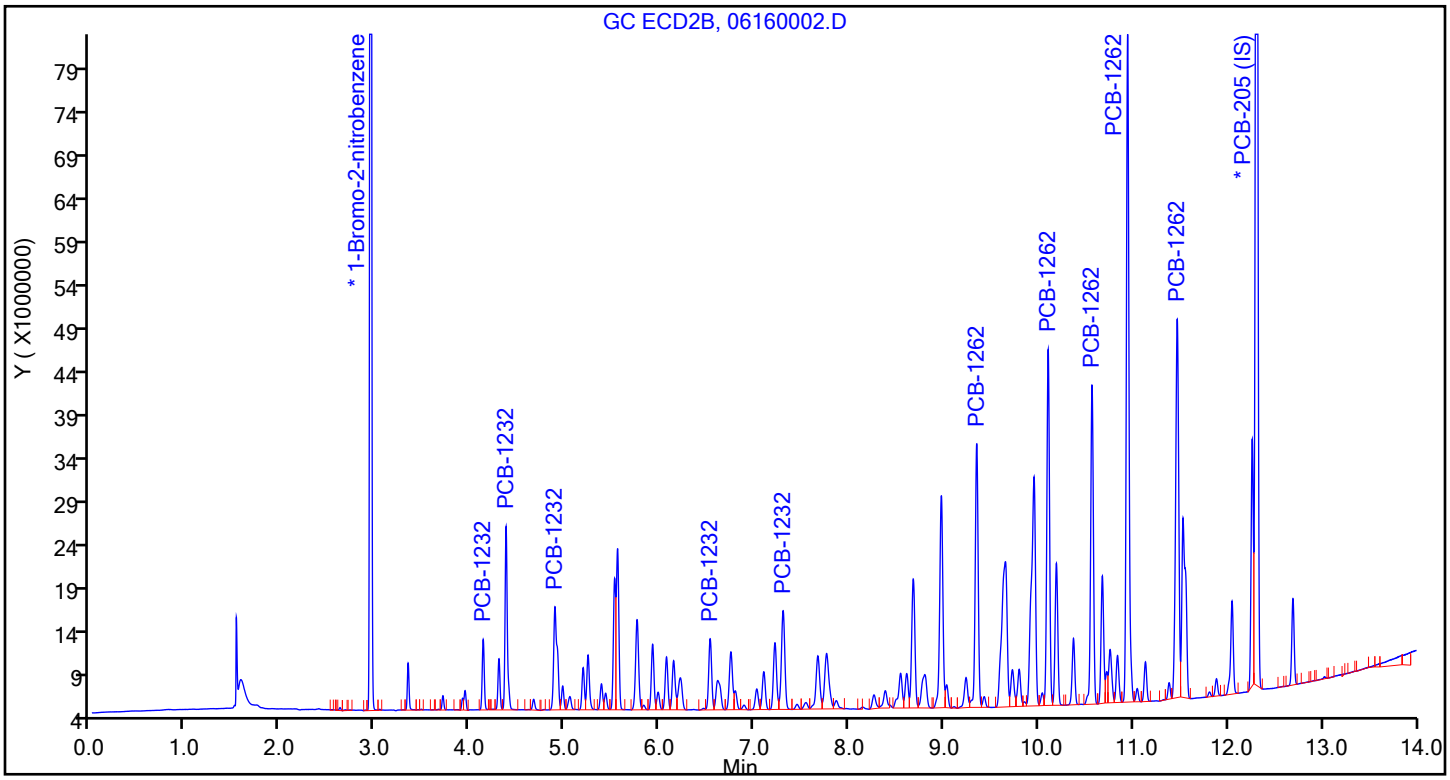
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1232 Peak 1

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

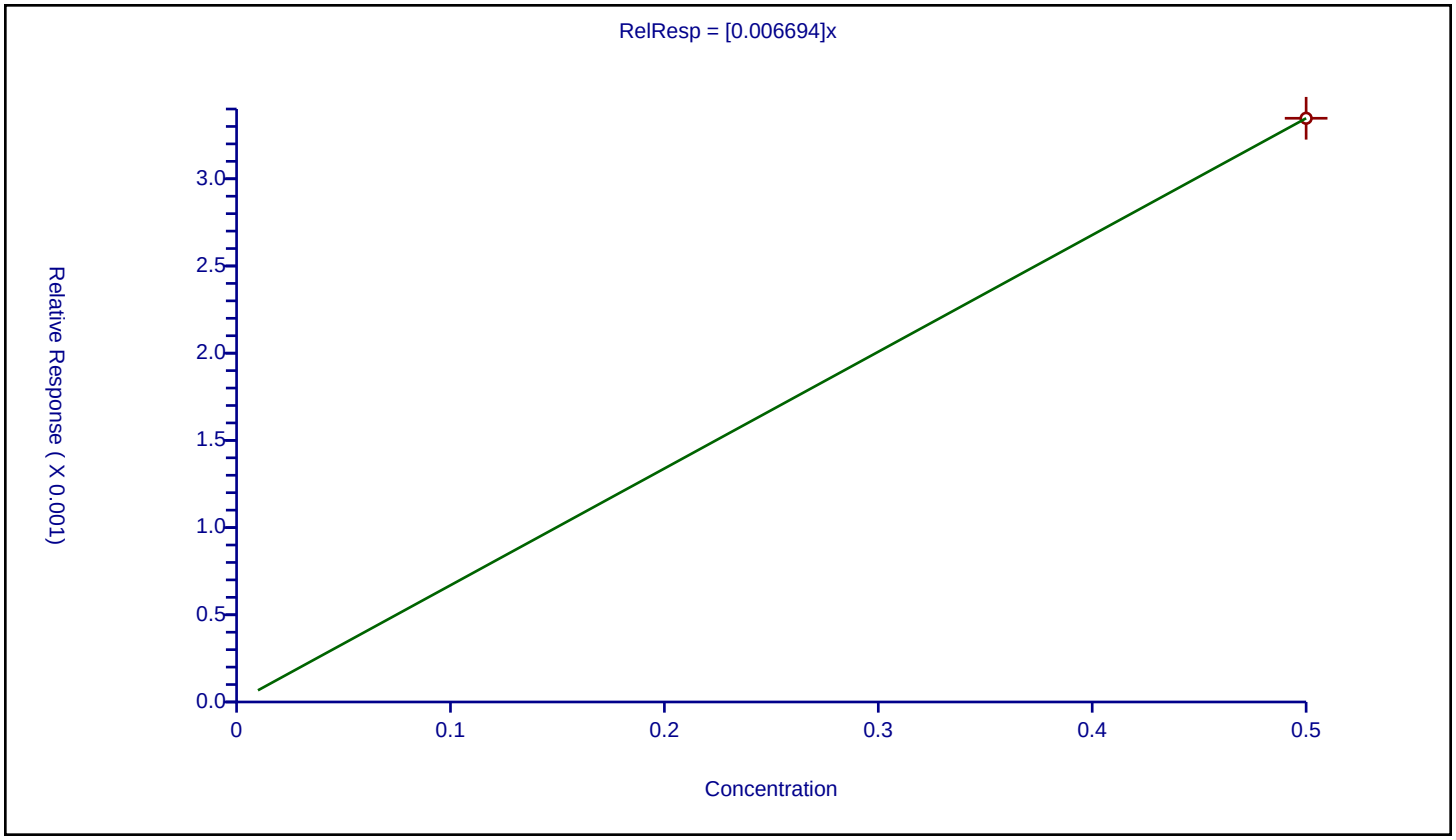
Curve Coefficients

Intercept:	0
Slope:	0.006694

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.003347	0.1	212901863.0	0.006694	Y



Calibration / PCB-1232 Peak 2

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

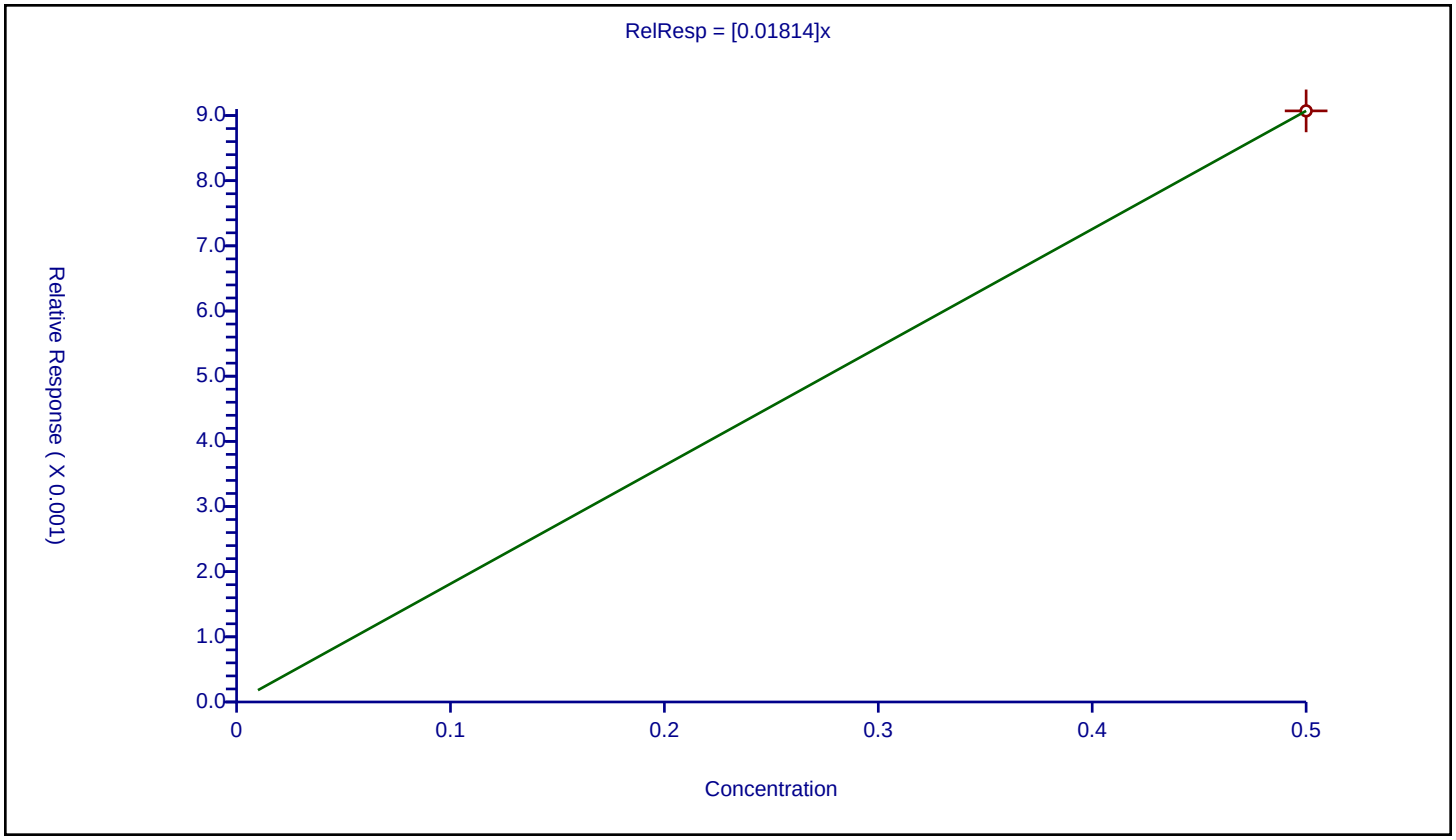
Curve Coefficients

Intercept:	0
Slope:	0.01814

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.009071	0.1	212901863.0	0.018142	Y



Calibration / PCB-1232 Peak 3

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

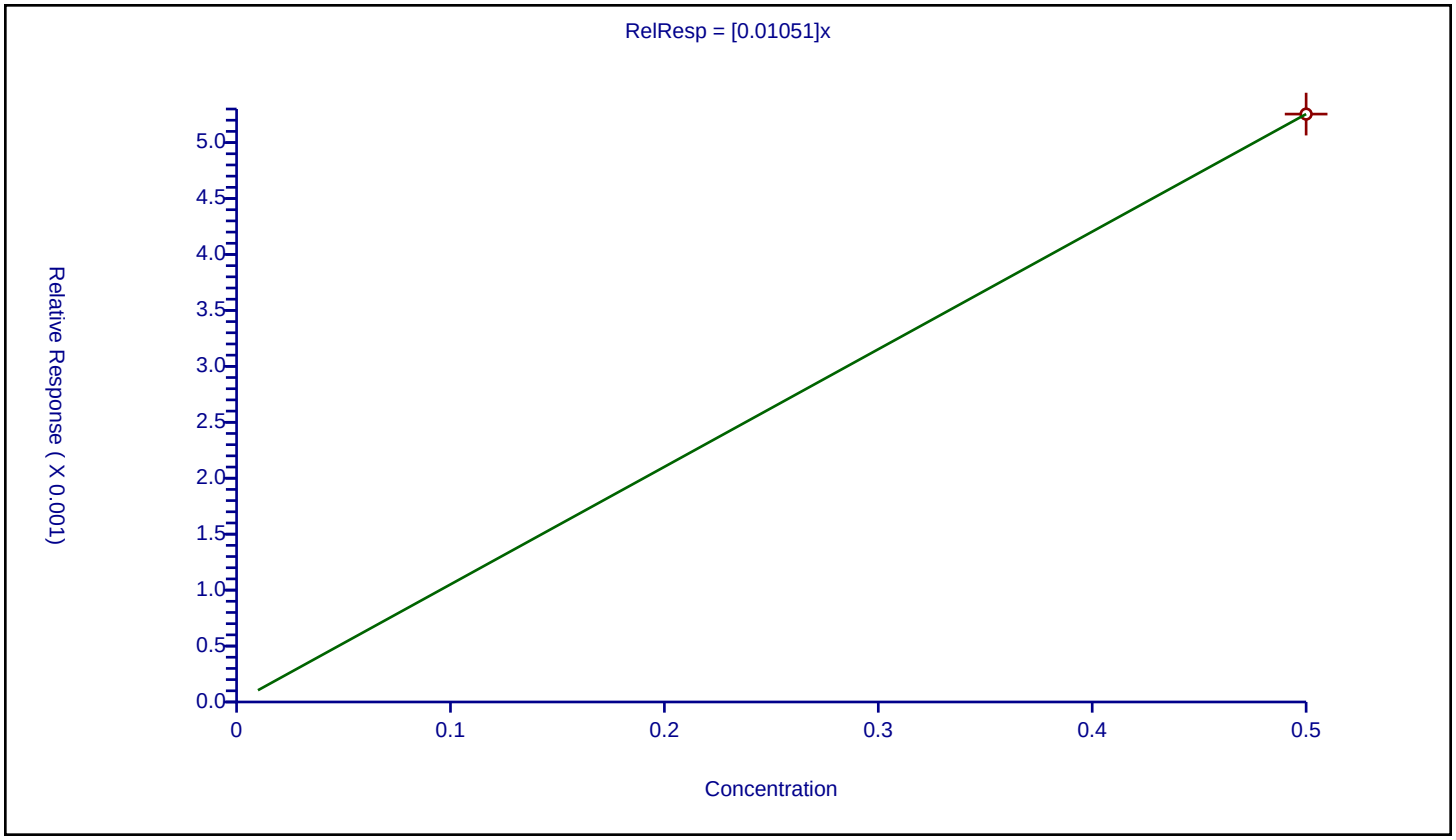
Curve Coefficients

Intercept:	0
Slope:	0.01051

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.005255	0.1	212901863.0	0.01051	Y



Calibration / PCB-1232 Peak 4

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

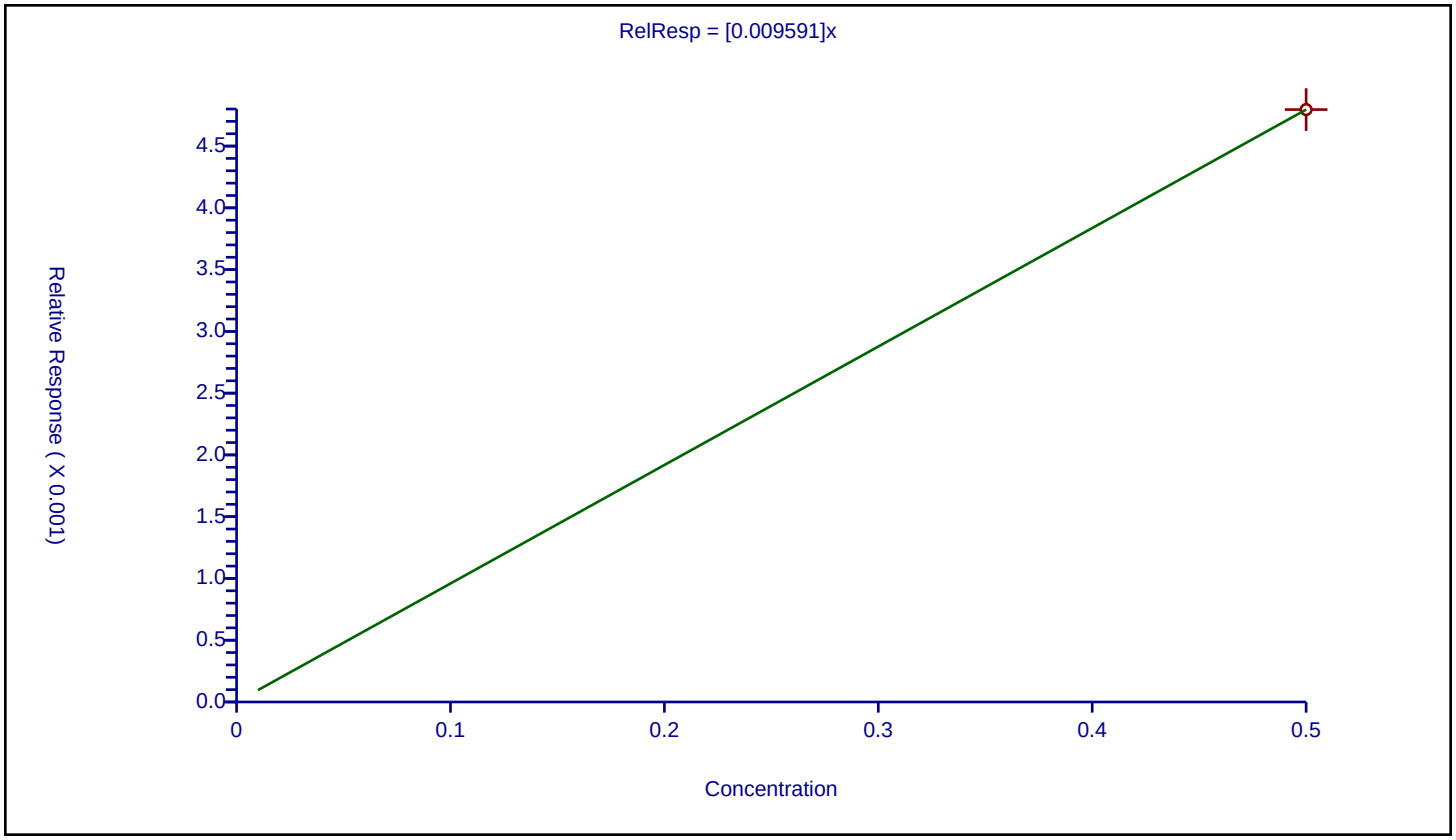
Curve Coefficients

Intercept:	0
Slope:	0.009591

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.004795	0.1	212901863.0	0.009591	Y



Calibration / PCB-1232 Peak 5

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

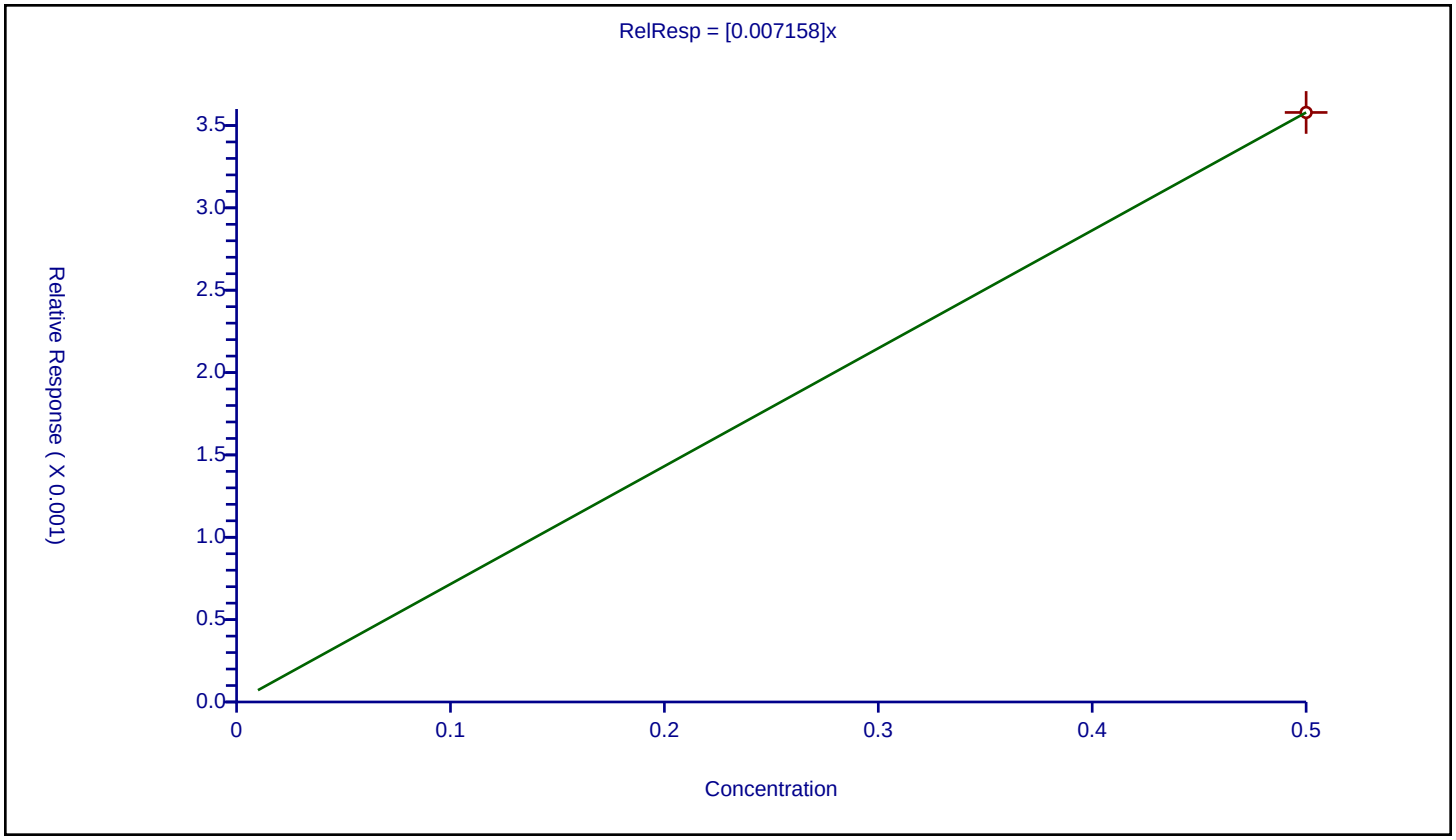
Curve Coefficients

Intercept:	0
Slope:	0.007158

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.003579	0.1	212901863.0	0.007158	Y



Calibration / PCB-1262 Peak 1

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

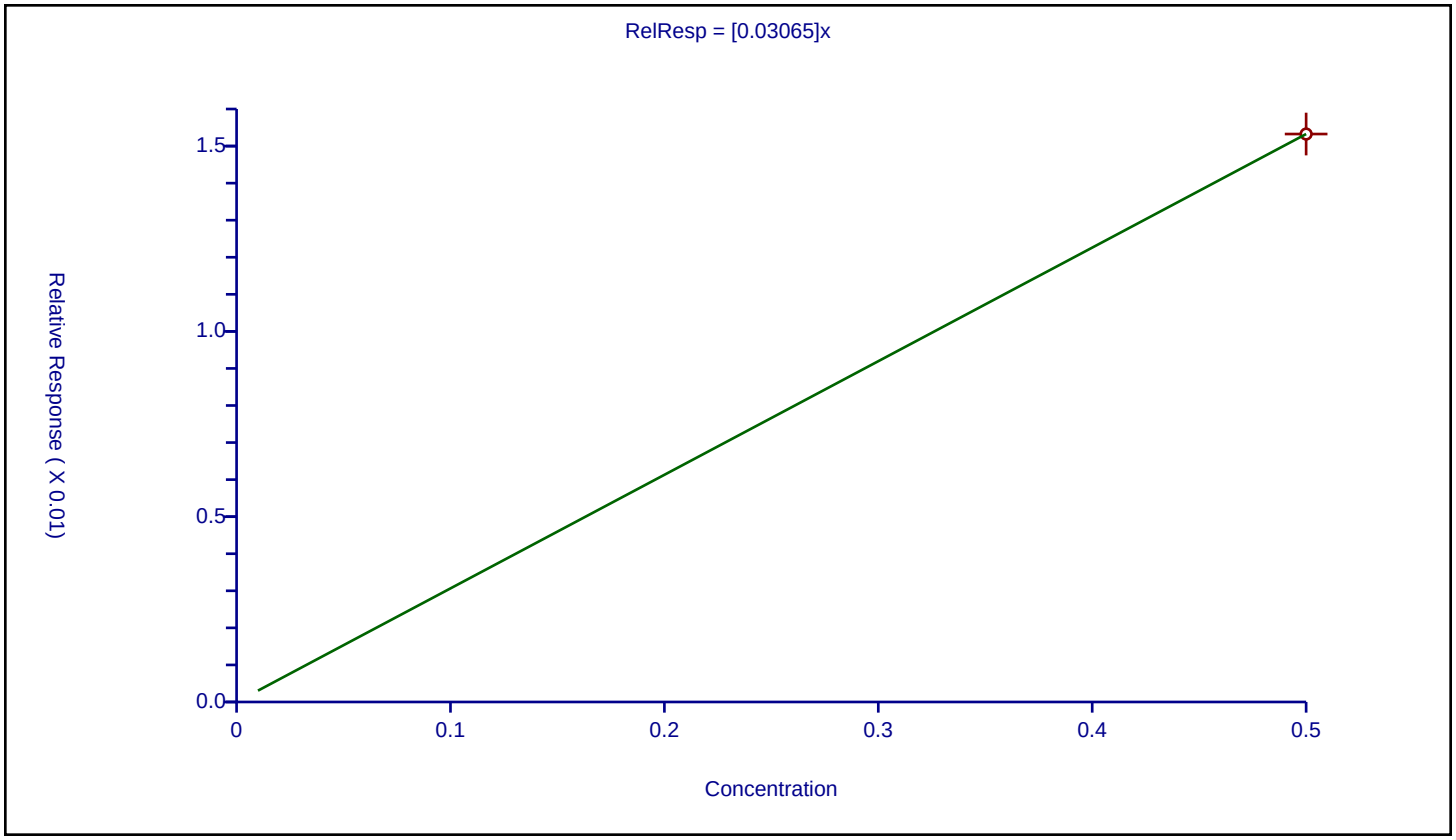
Curve Coefficients

Intercept:	0
Slope:	0.03065

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.015325	0.1	140691491.0	0.03065	Y



Calibration / PCB-1262 Peak 2

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

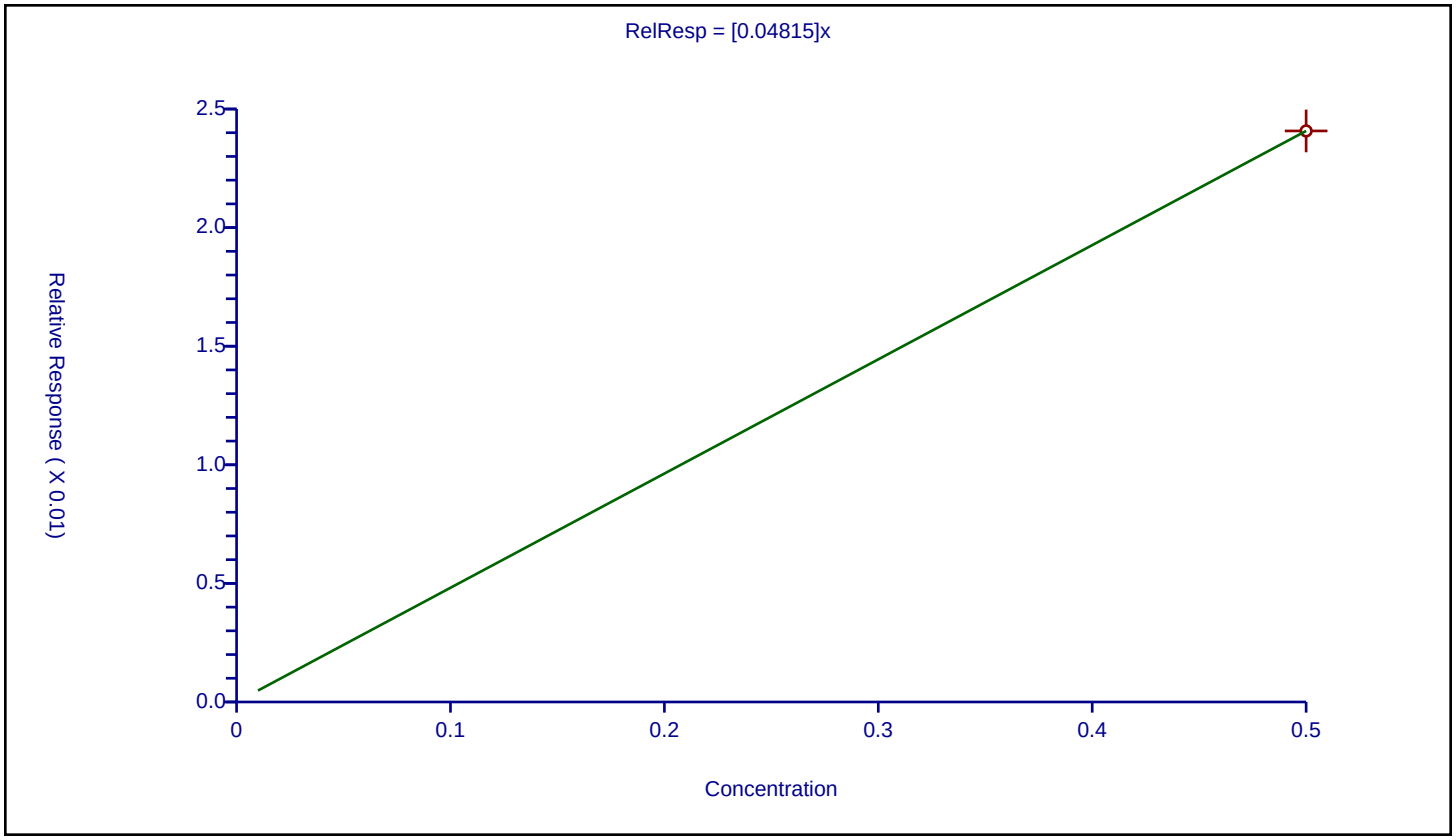
Curve Coefficients

Intercept:	0
Slope:	0.04815

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.024076	0.1	140691491.0	0.048153	Y



Calibration / PCB-1262 Peak 3

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

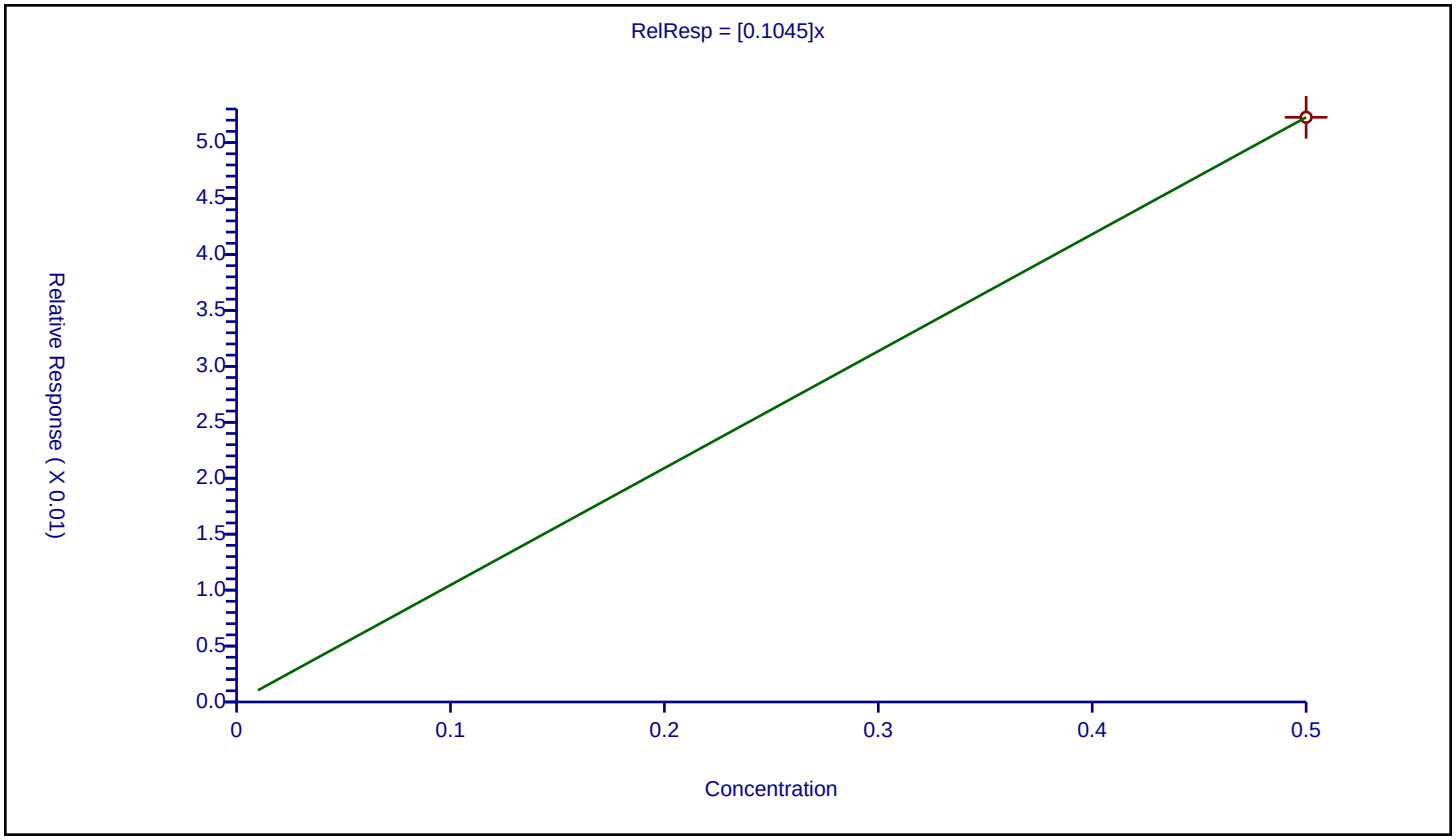
Curve Coefficients

Intercept:	0
Slope:	0.1045

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.052259	0.1	140691491.0	0.104519	Y



Calibration / PCB-1262 Peak 4

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

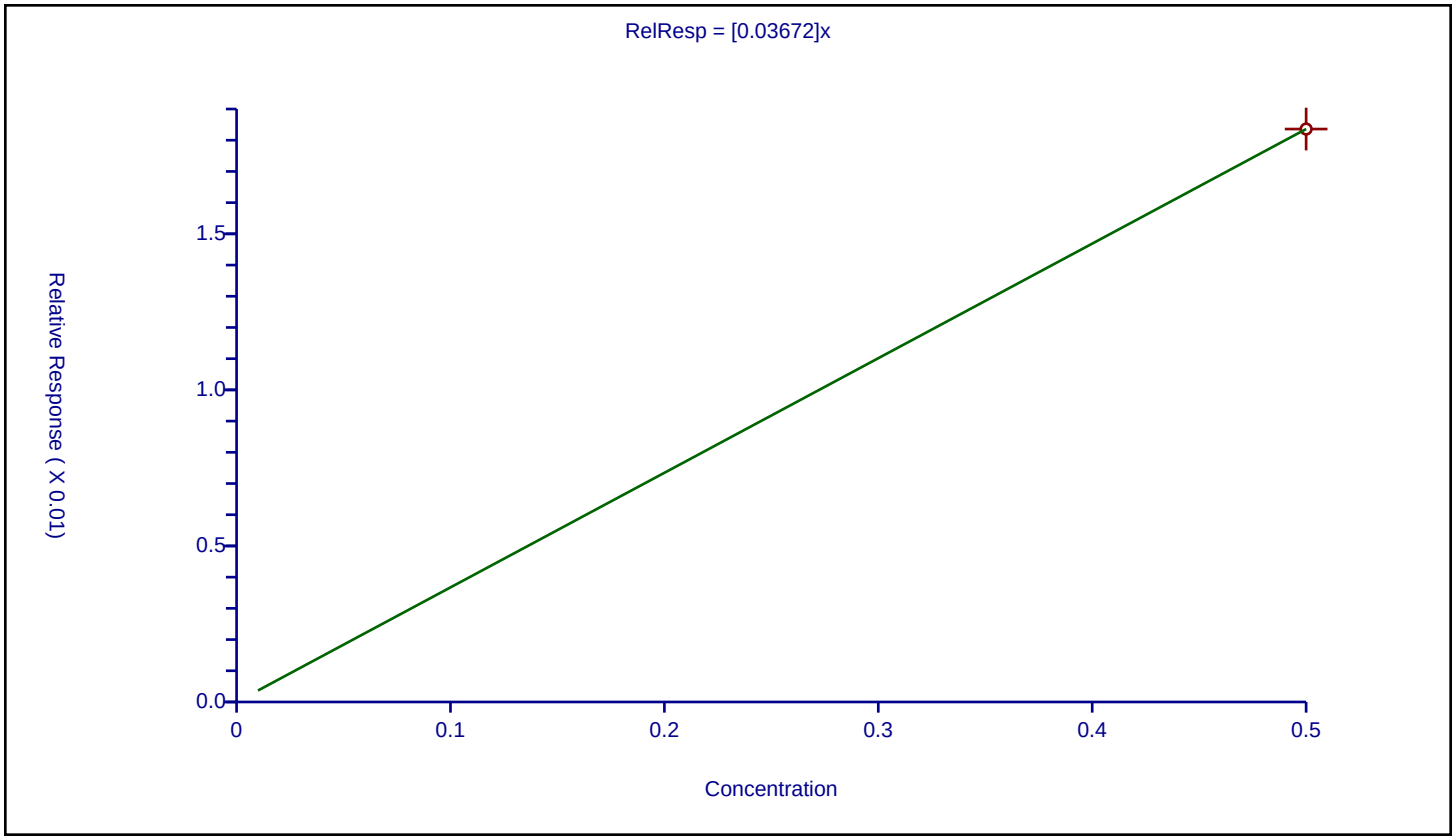
Curve Coefficients

Intercept:	0
Slope:	0.03672

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.018358	0.1	140691491.0	0.036717	Y



Calibration / PCB-1262 Peak 5

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

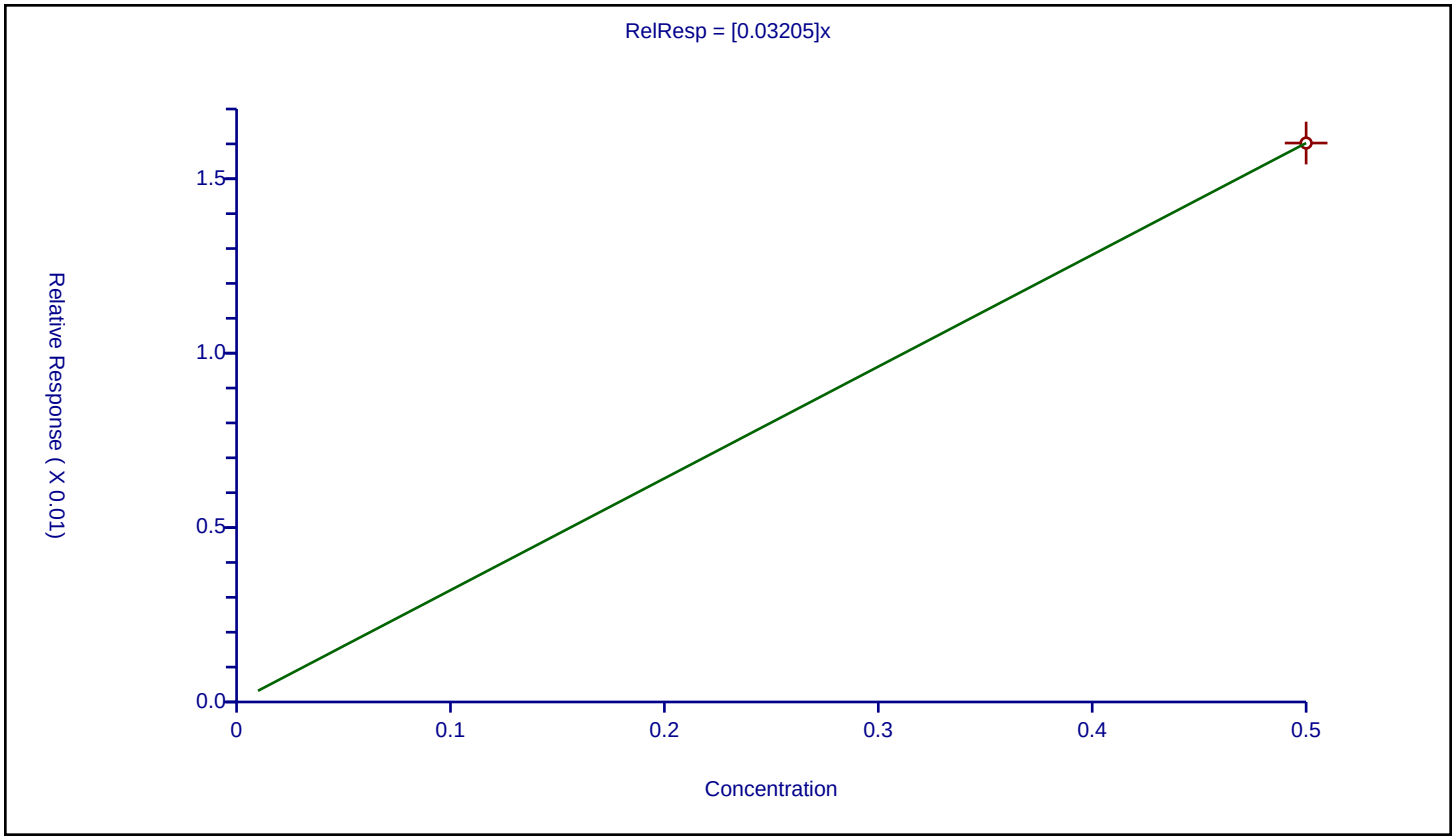
Curve Coefficients

Intercept:	0
Slope:	0.03205

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.016025	0.1	140691491.0	0.032049	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48806

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0059					Ave		0.0059						20.0			
PCB-1232 Peak 2	0.0152					Ave		0.0152						20.0			
PCB-1232 Peak 3	0.0086					Ave		0.0086						20.0			
PCB-1232 Peak 4	0.0059					Ave		0.0059						20.0			
PCB-1232 Peak 5	0.0082					Ave		0.0082						20.0			
PCB-1262 Peak 1	0.0379					Ave		0.0379						20.0			
PCB-1262 Peak 2	0.0512					Ave		0.0512						20.0			
PCB-1262 Peak 3	0.0459					Ave		0.0459						20.0			
PCB-1262 Peak 4	0.0961					Ave		0.0961						20.0			
PCB-1262 Peak 5	0.0545					Ave		0.0545						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48806

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	8100772					0.500				
PCB-1232 Peak 2	BNB	Ave	21048826					0.500				
PCB-1232 Peak 3	BNB	Ave	11853704					0.500				
PCB-1232 Peak 4	BNB	Ave	8174998					0.500				
PCB-1232 Peak 5	BNB	Ave	11342814					0.500				
PCB-1262 Peak 1	PCB205	Ave	30245426					0.500				
PCB-1262 Peak 2	PCB205	Ave	40862419					0.500				
PCB-1262 Peak 3	PCB205	Ave	36620862					0.500				
PCB-1262 Peak 4	PCB205	Ave	76640187					0.500				
PCB-1262 Peak 5	PCB205	Ave	43432986					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:11 Calibration End Date: 06/16/2022 08:11 Calibration ID: 48806

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/2	06160002.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1232 Peak 1	0.0						50					
PCB-1232 Peak 2	0.0						50					
PCB-1232 Peak 3	0.0						50					
PCB-1232 Peak 4	0.0						50					
PCB-1232 Peak 5	0.0						50					
PCB-1262 Peak 1	0.0						50					
PCB-1262 Peak 2	0.0						50					
PCB-1262 Peak 3	0.0						50					
PCB-1262 Peak 4	0.0						50					
PCB-1262 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160002.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:11:23 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-002
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub10

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:53 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:29:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.744	2.749	-0.006	212901863H	0.1000	0.1000	
2	2.946	2.949	-0.004	276123528H	0.1000	0.1000	
4 PCB-1232							
1	3.514	3.514	0.000	7125618H	0.5000	0.5000	
1	3.692	3.692	0.000	19312734H	0.5000	0.5000	
1	4.044	4.044	0.000	11187506H	0.5000	0.5000	
1	4.721	4.721	0.000	10209522H	0.5000	0.5000	
1	5.243	5.243	0.000	7619923H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.135	4.135	0.000	8100772H	0.5000	0.5000	
2	4.376	4.376	0.000	21048826H	0.5000	0.5000	
2	4.892	4.892	0.000	11853704H	0.5000	0.5000	
2	6.532	6.532	0.000	8174998H	0.5000	0.5000	
2	7.304	7.304	0.000	11342814H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							
1	7.162	7.162	0.000	21561250H	0.5000	0.5000	
1	8.469	8.469	0.000	33873413H	0.5000	0.5000	
1	9.461	9.461	0.000	73524497H	0.5000	0.5000	
1	9.921	9.921	0.000	25828686H	0.5000	0.5000	
1	10.049	10.049	0.000	22545141H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	9.349	9.349	0.000	30245426H	0.5000	0.5000	
2	10.104	10.104	0.000	40862419H	0.5000	0.5000	
2	10.566	10.566	0.000	36620862H	0.5000	0.5000	
2	10.943	10.943	0.000	76640187H	0.5000	0.5000	
2	11.467	11.467	0.000	43432986H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.953	10.957	-0.004	140691491H	0.1000	0.1000	
2	12.306	12.308	-0.002	159473808H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR3262CALL4_00022	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:54 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160002.D

Injection Date: 16-Jun-2022 08:11:23 Instrument ID: CHGC20

Lims ID: IC

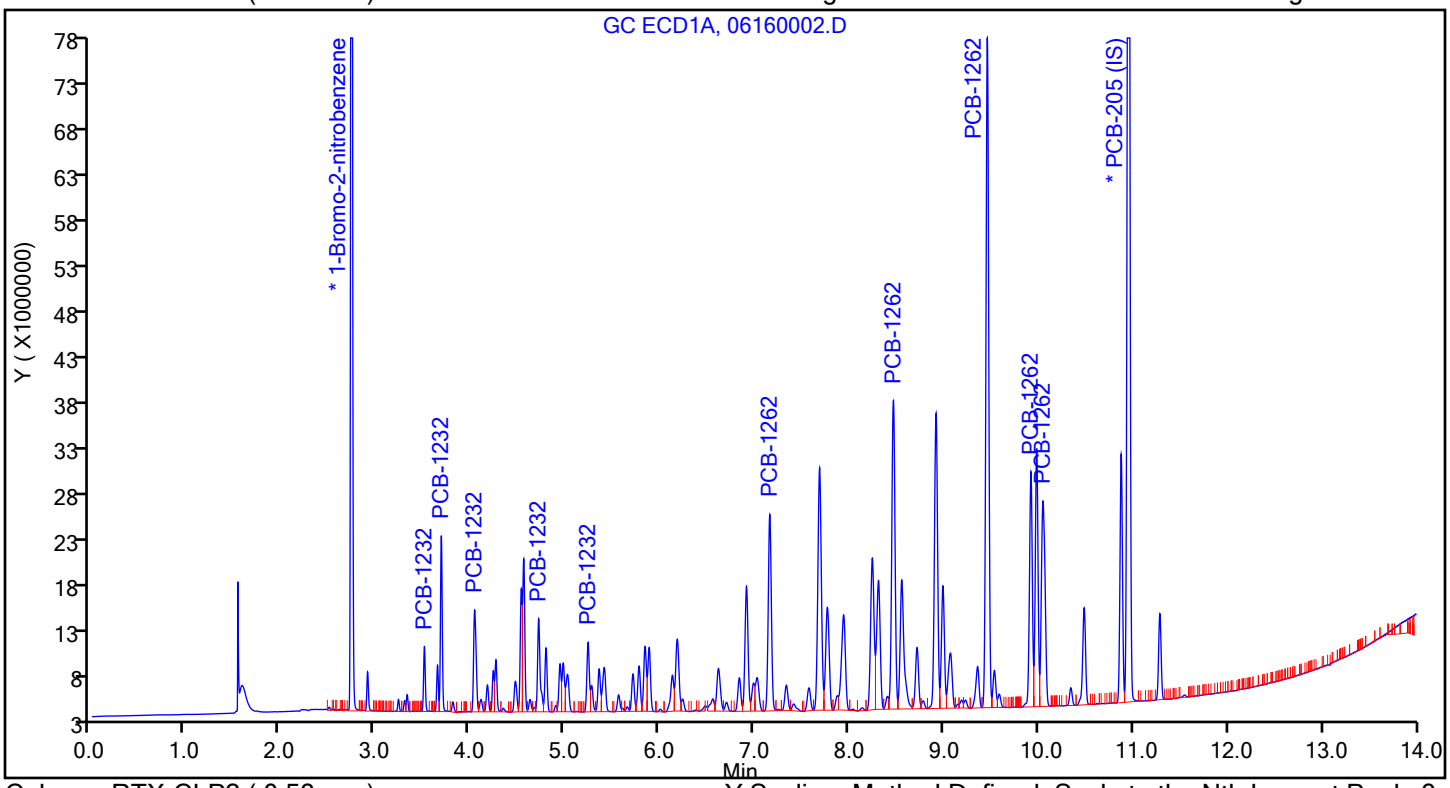
Client ID:

Operator ID: 402331 ALS Bottle#: 2 Worklist Smp#: 2

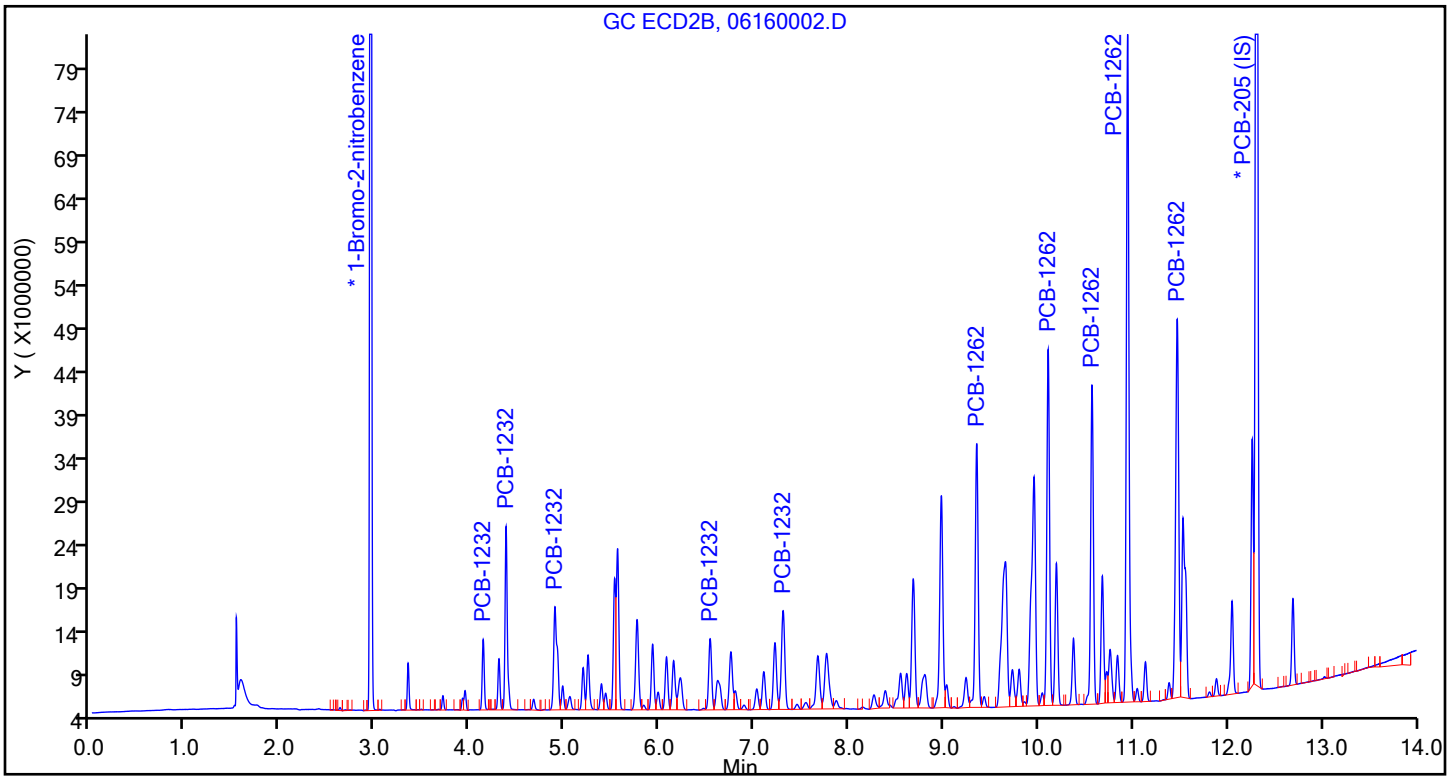
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1232 Peak 1

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

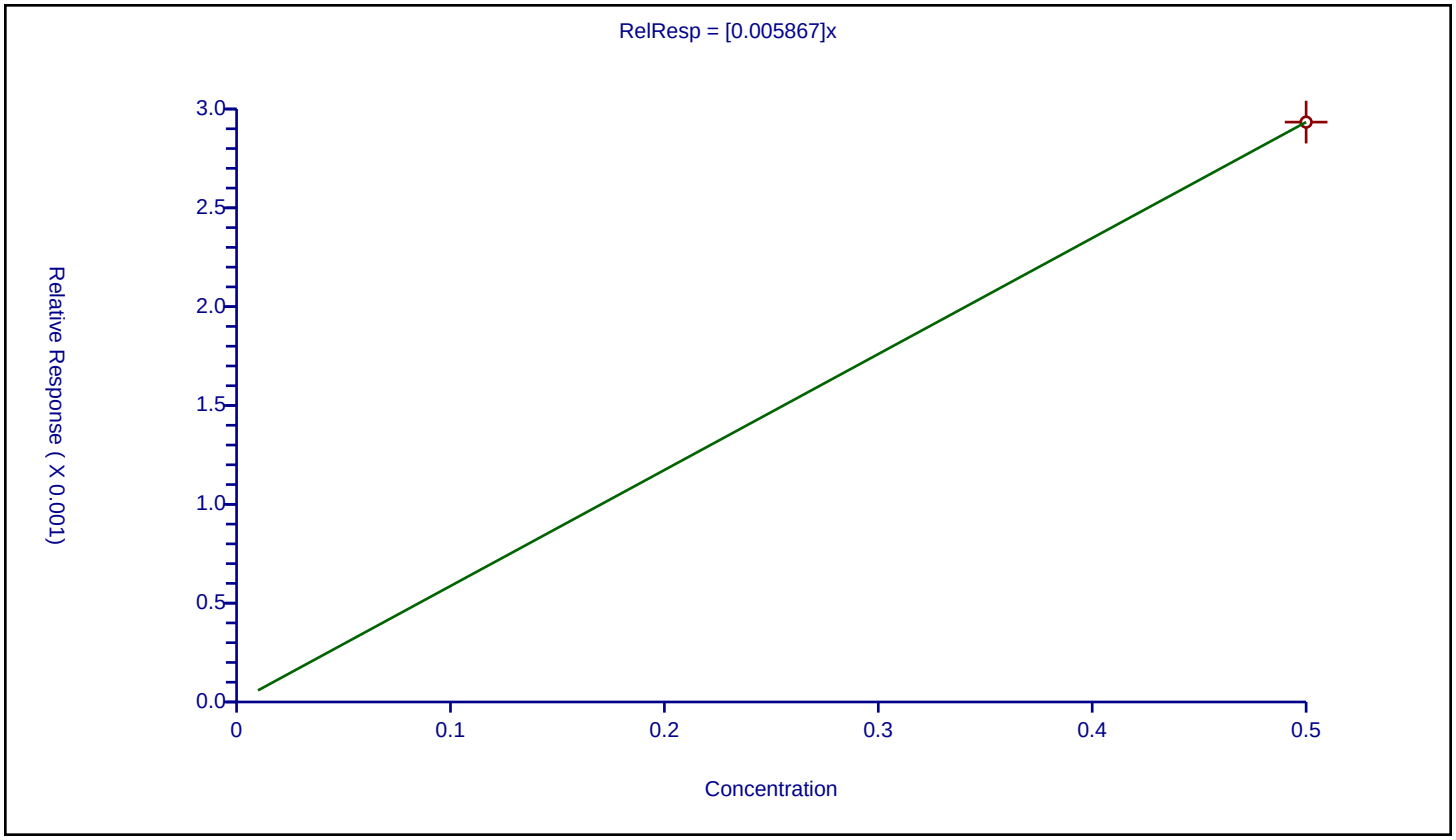
Curve Coefficients

Intercept:	0
Slope:	0.005867

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.002934	0.1	276123528.0	0.005867	Y



Calibration / PCB-1232 Peak 2

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

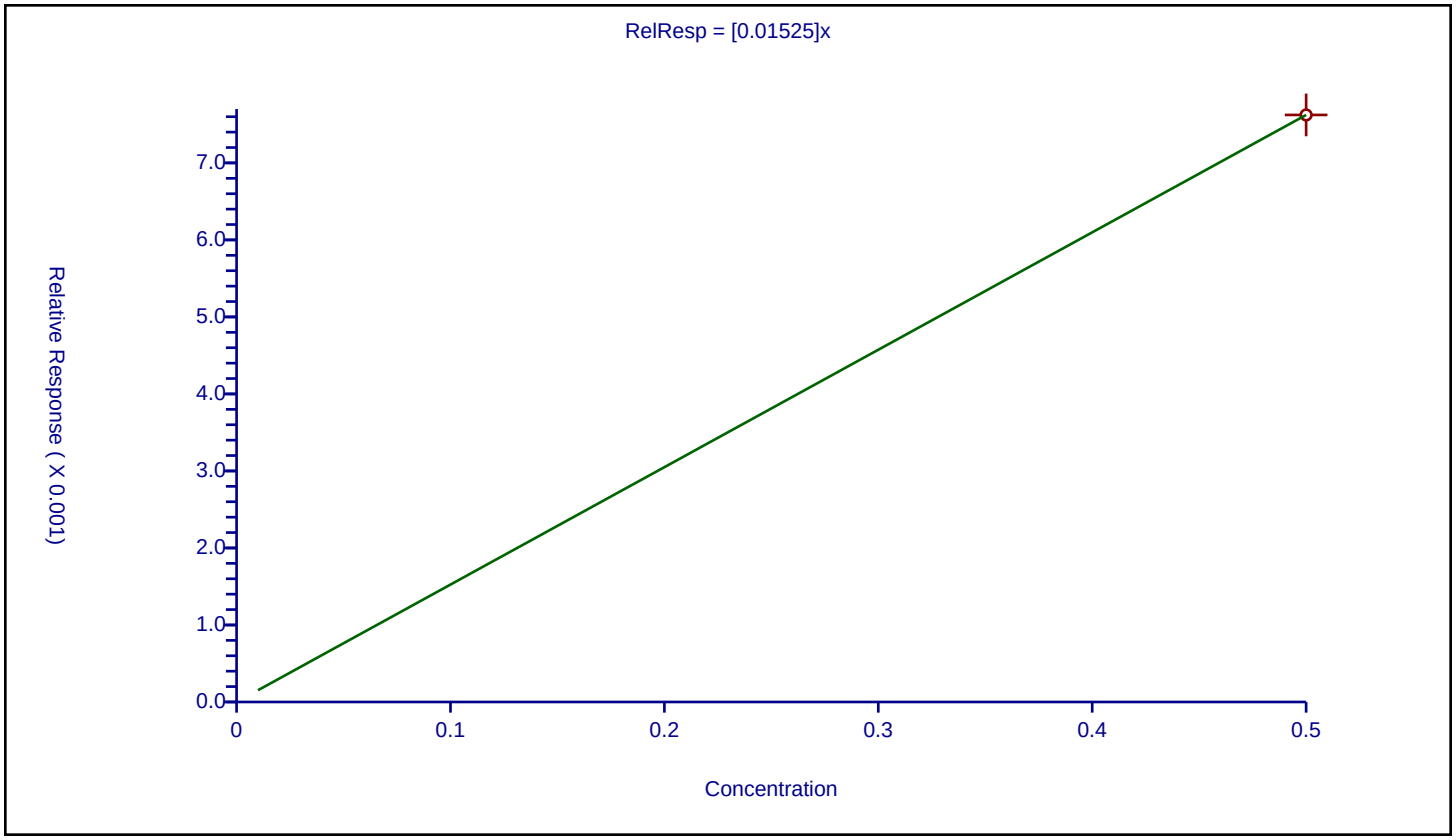
Curve Coefficients

Intercept:	0
Slope:	0.01525

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.007623	0.1	276123528.0	0.015246	Y



Calibration / PCB-1232 Peak 3

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

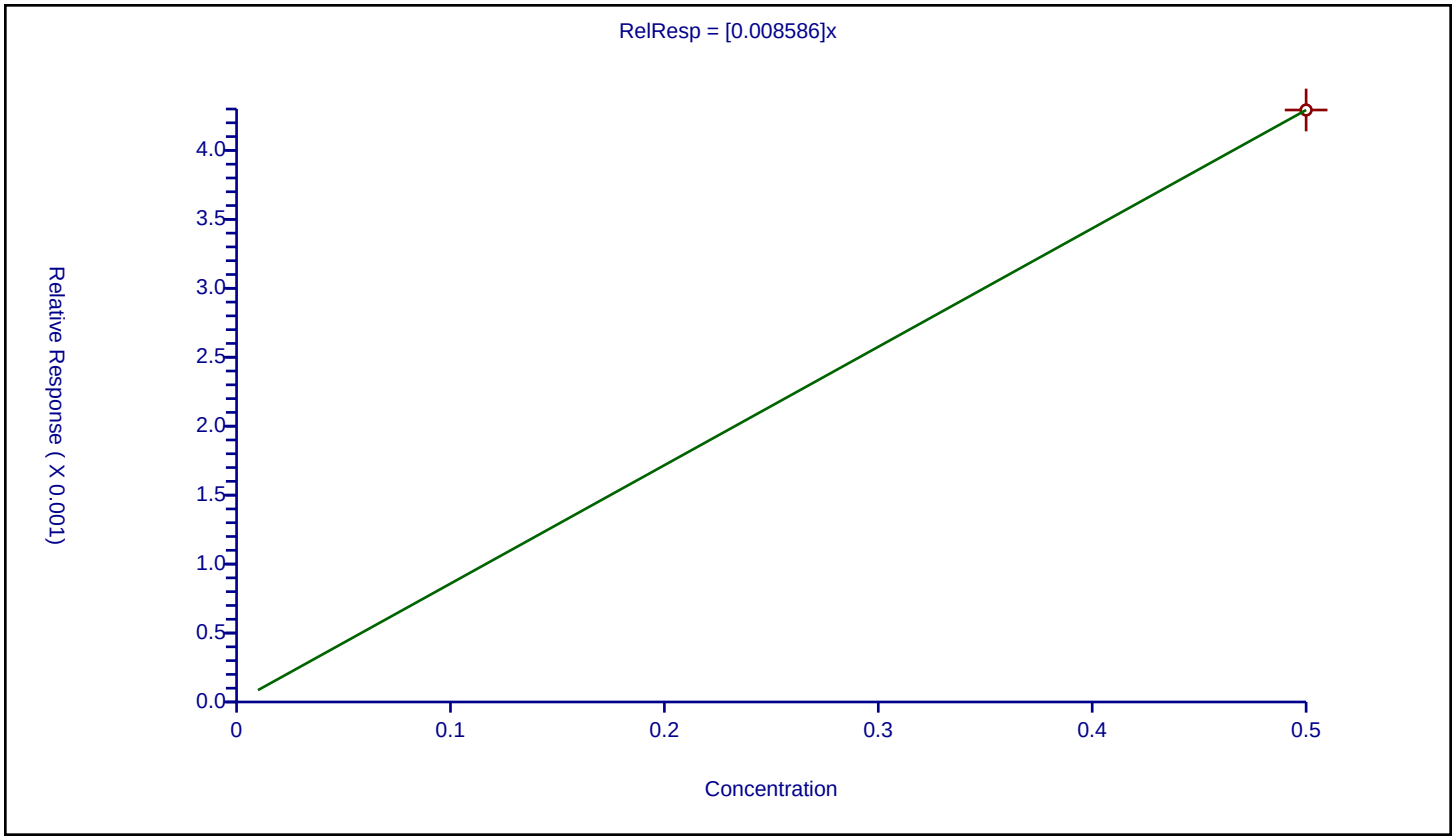
Curve Coefficients

Intercept:	0
Slope:	0.008586

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.004293	0.1	276123528.0	0.008586	Y



Calibration / PCB-1232 Peak 4

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

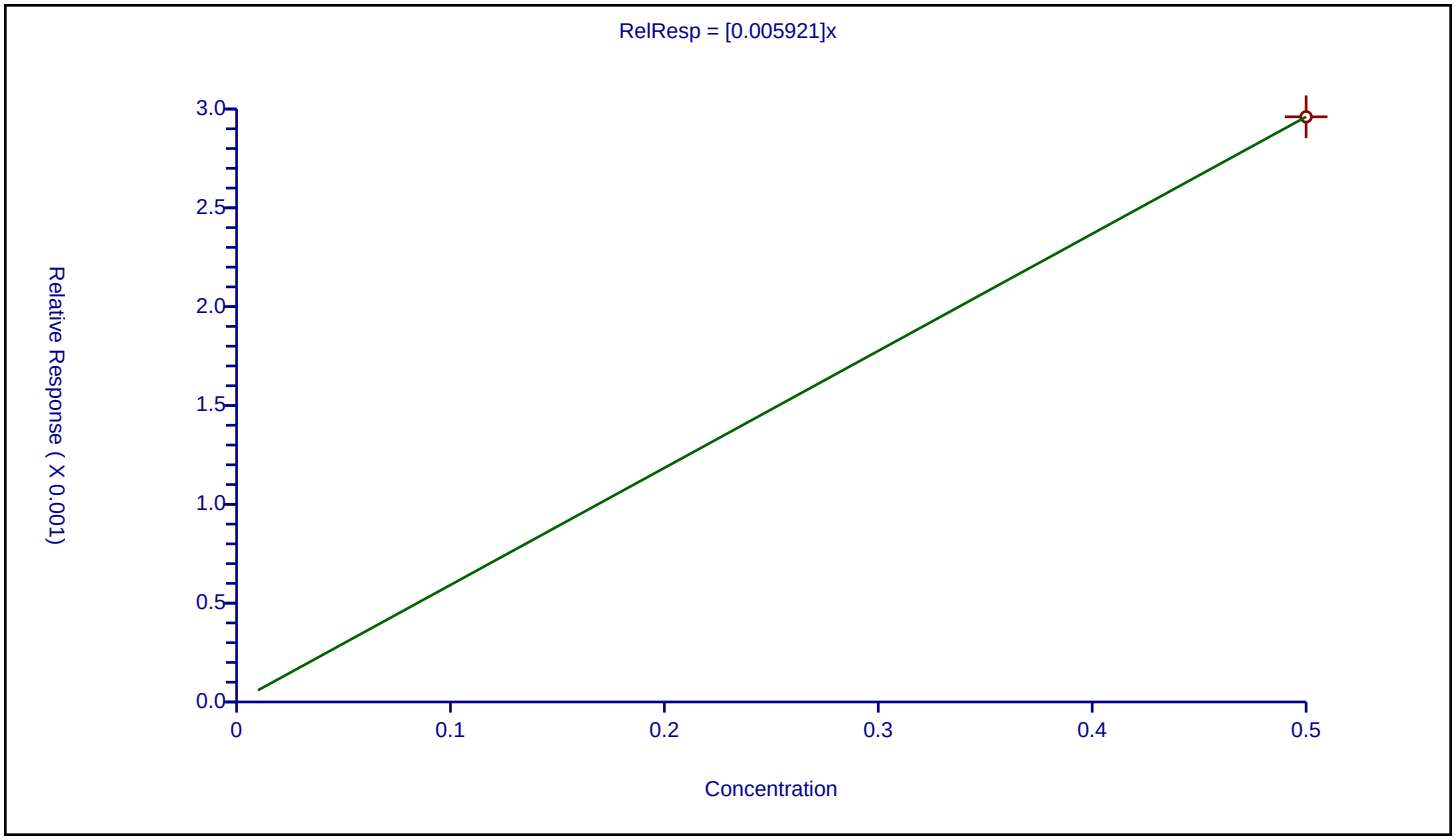
Curve Coefficients

Intercept:	0
Slope:	0.005921

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.002961	0.1	276123528.0	0.005921	Y



Calibration / PCB-1232 Peak 5

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

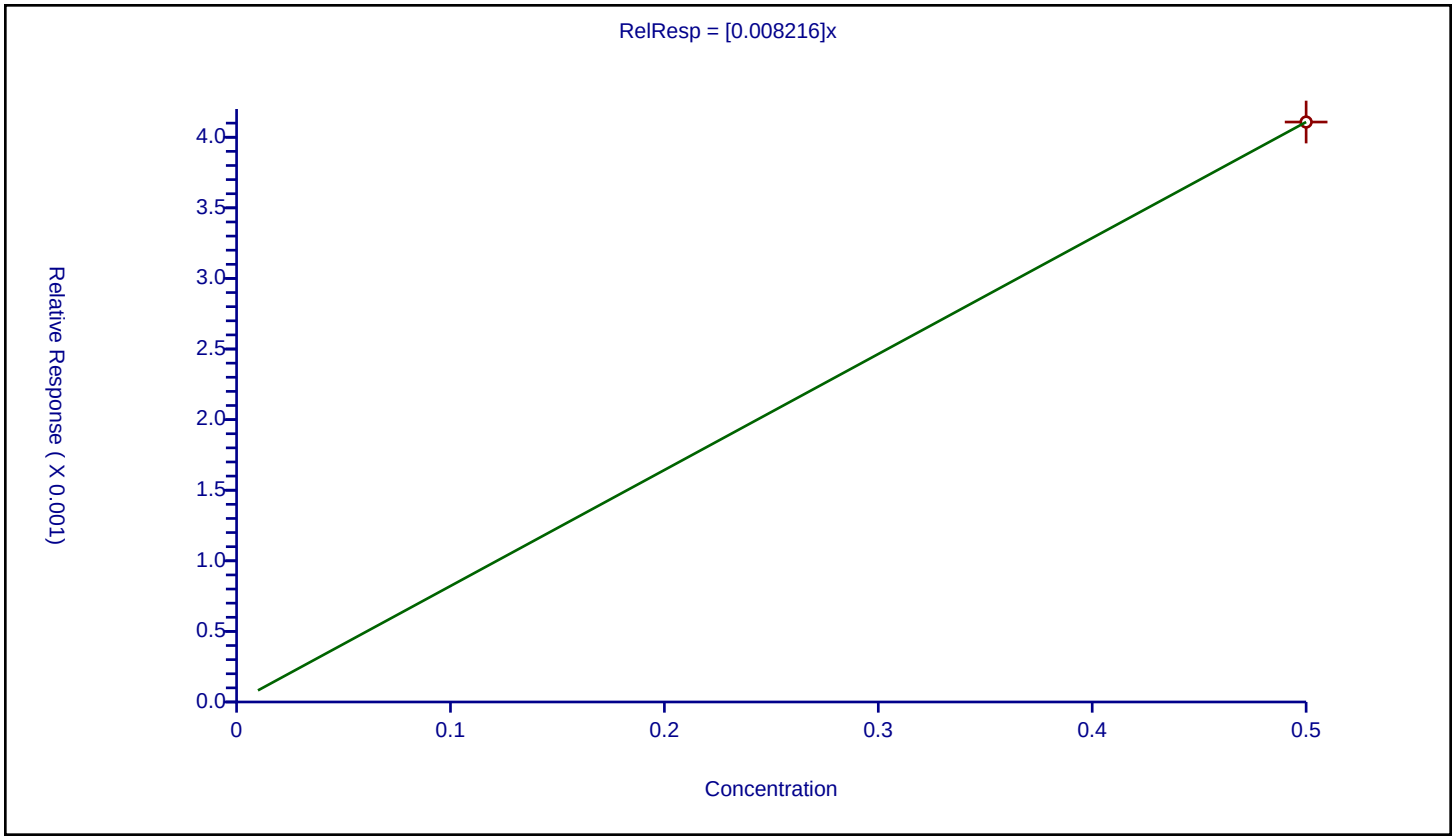
Curve Coefficients

Intercept:	0
Slope:	0.008216

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.004108	0.1	276123528.0	0.008216	Y



Calibration / PCB-1262 Peak 1

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

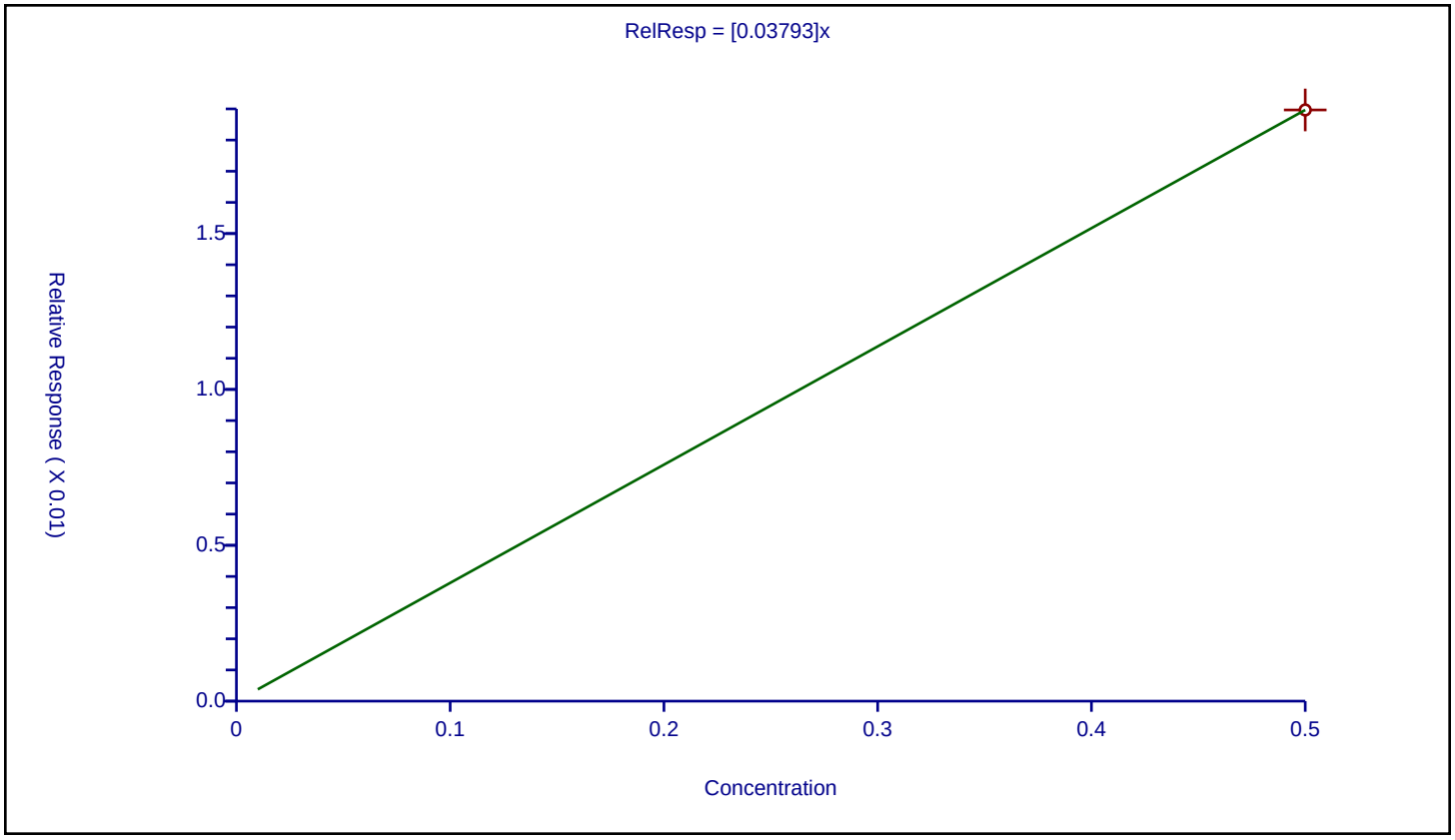
Curve Coefficients

Intercept:	0
Slope:	0.03793

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.018966	0.1	159473808.0	0.037932	Y



Calibration / PCB-1262 Peak 2

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

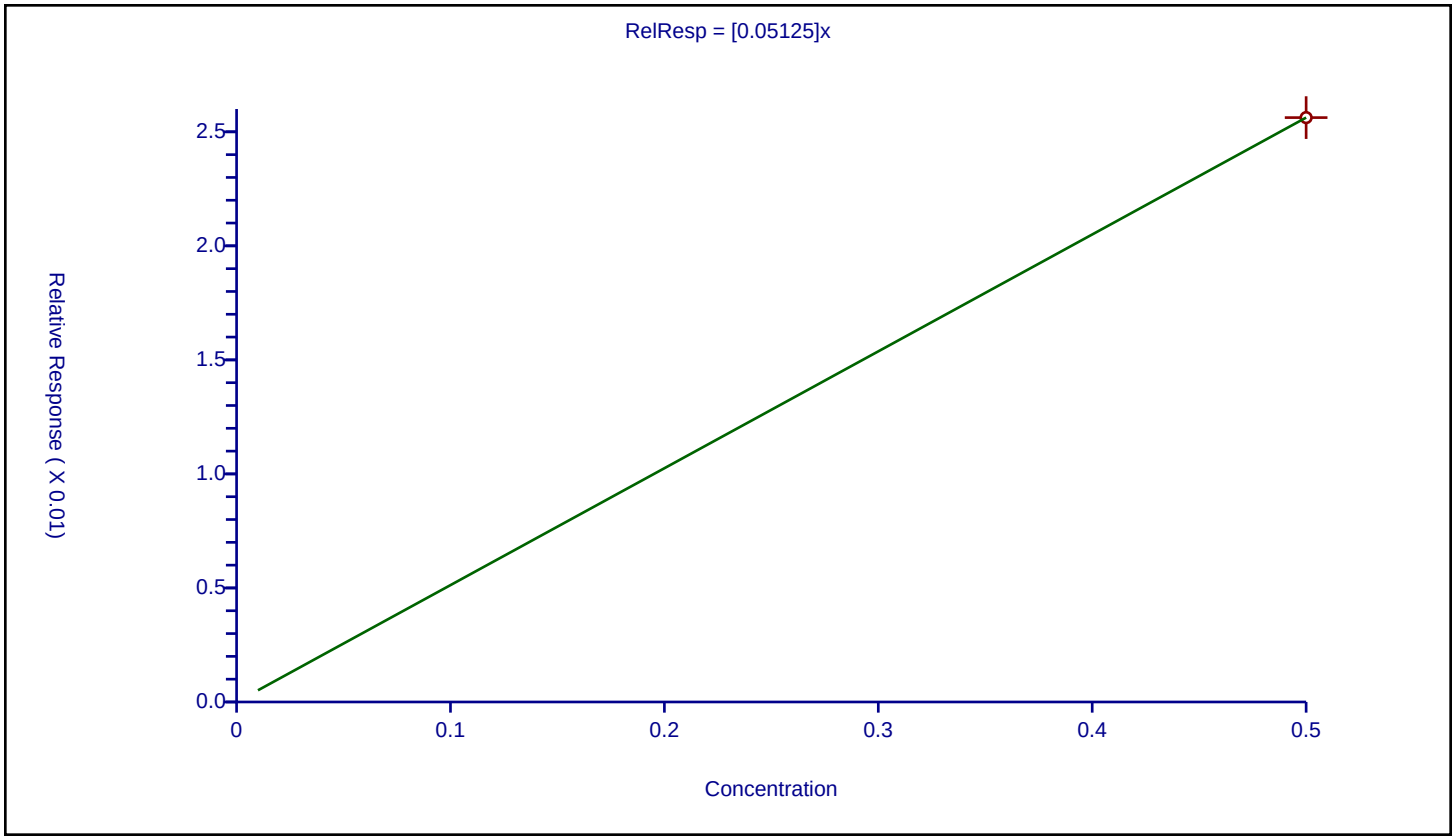
Curve Coefficients

Intercept:	0
Slope:	0.05125

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.025623	0.1	159473808.0	0.051247	Y



Calibration / PCB-1262 Peak 3

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

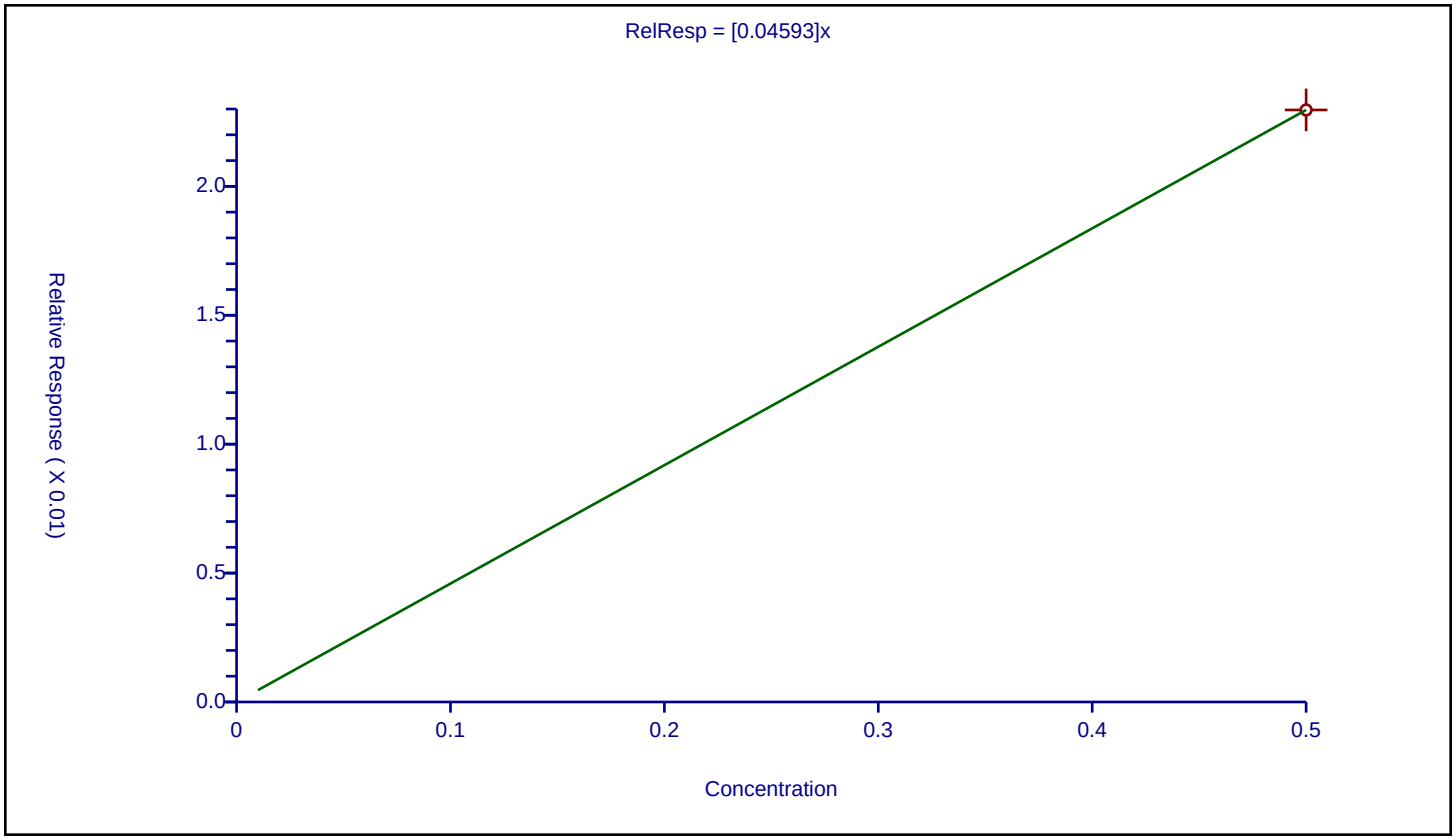
Curve Coefficients

Intercept:	0
Slope:	0.04593

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.022964	0.1	159473808.0	0.045927	Y



Calibration / PCB-1262 Peak 4

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

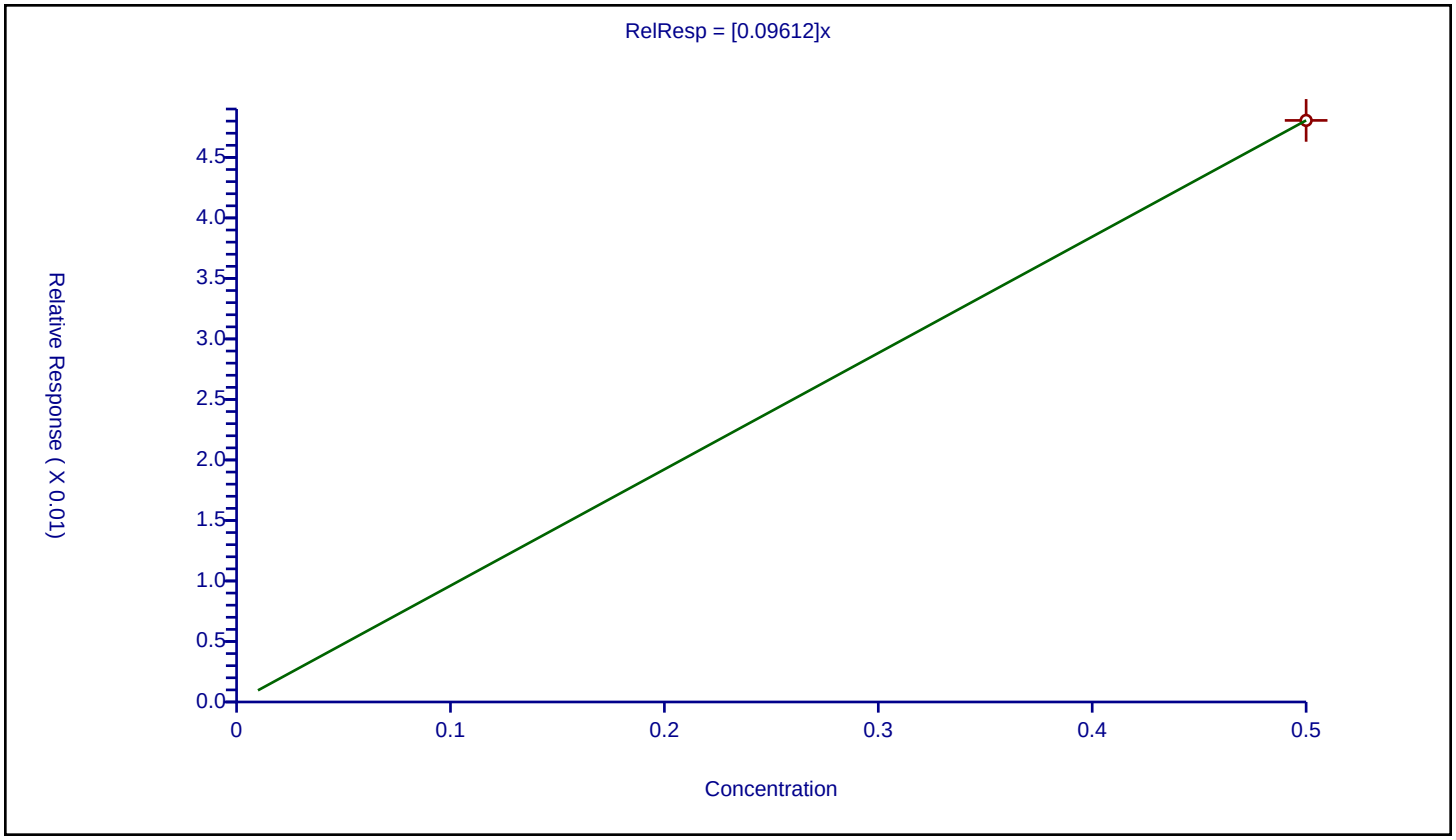
Curve Coefficients

Intercept:	0
Slope:	0.09612

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.048058	0.1	159473808.0	0.096116	Y



Calibration / PCB-1262 Peak 5

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

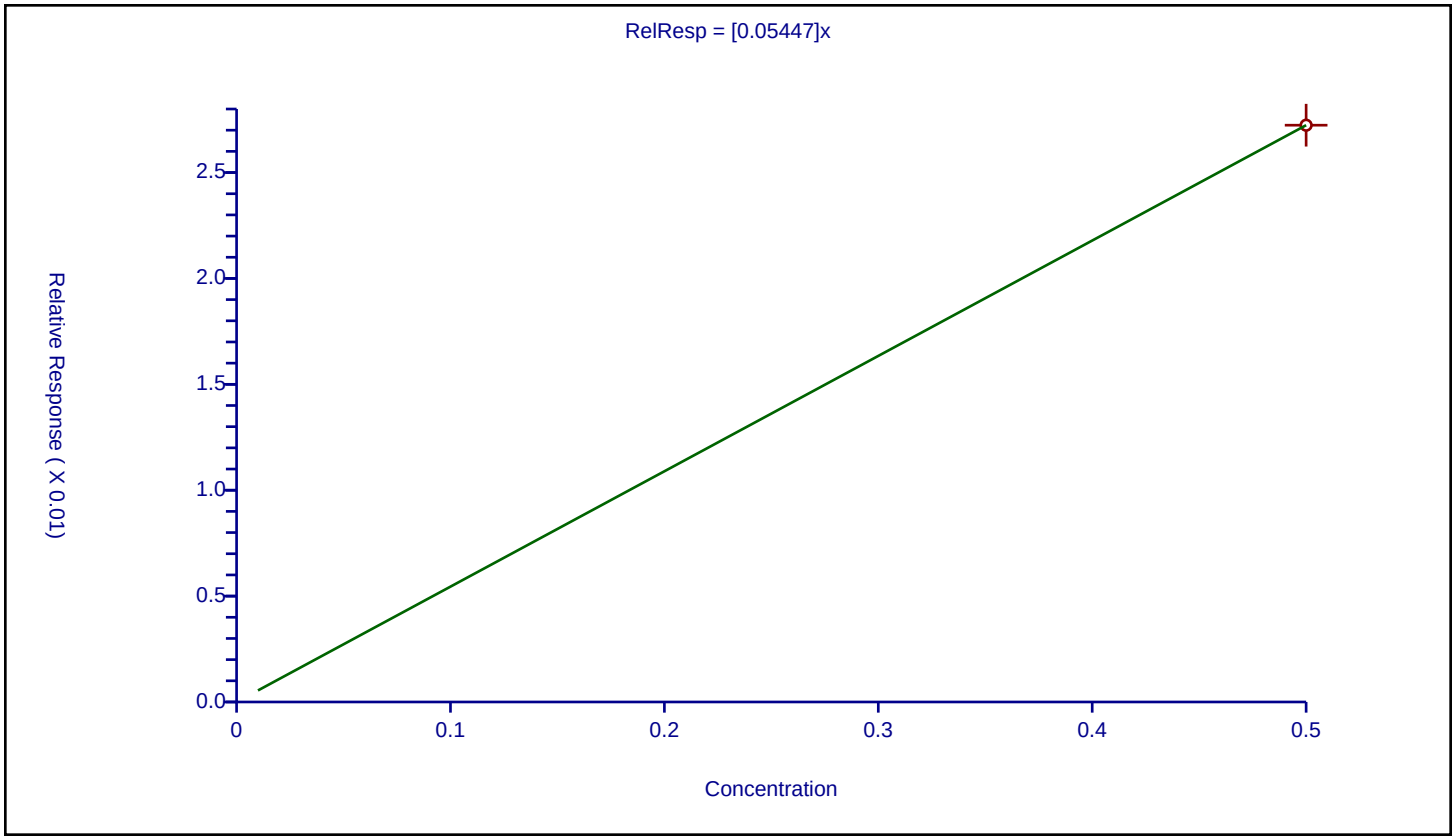
Curve Coefficients

Intercept:	0
Slope:	0.05447

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/2	0.5	0.027235	0.1	159473808.0	0.05447	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48811

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0131					Ave		0.0131						20.0			
PCB-1242 Peak 2	0.0184					Ave		0.0184						20.0			
PCB-1242 Peak 3	0.0165					Ave		0.0165						20.0			
PCB-1242 Peak 4	0.0134					Ave		0.0134						20.0			
PCB-1242 Peak 5	0.0121					Ave		0.0121						20.0			
PCB-1268 Peak 1	0.1180					Ave		0.1180						20.0			
PCB-1268 Peak 2	0.0995					Ave		0.0995						20.0			
PCB-1268 Peak 3	0.0939					Ave		0.0939						20.0			
PCB-1268 Peak 4	0.3385					Ave		0.3385						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48811

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	12497228					0.500				
PCB-1242 Peak 2	BNB	Ave	17586767					0.500				
PCB-1242 Peak 3	BNB	Ave	15780738					0.500				
PCB-1242 Peak 4	BNB	Ave	12771522					0.500				
PCB-1242 Peak 5	BNB	Ave	11568137					0.500				
PCB-1268 Peak 1	PCB205	Ave	71607468					0.500				
PCB-1268 Peak 2	PCB205	Ave	60326483					0.500				
PCB-1268 Peak 3	PCB205	Ave	56989640					0.500				
PCB-1268 Peak 4	PCB205	Ave	205356535					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48811

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1242 Peak 1	0.0						50					
PCB-1242 Peak 2	0.0						50					
PCB-1242 Peak 3	0.0						50					
PCB-1242 Peak 4	0.0						50					
PCB-1242 Peak 5	0.0						50					
PCB-1268 Peak 1	0.0						50					
PCB-1268 Peak 2	0.0						50					
PCB-1268 Peak 3	0.0						50					
PCB-1268 Peak 4	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:30:24 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-003
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub11

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:56 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:32:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.746	2.749	-0.003	191147843H	0.1000	0.1000	
2	2.948	2.949	-0.002	251831767H	0.1000	0.1000	
6 PCB-1242							
1	3.695	3.695	0.000	12497228H	0.5000	0.5000	
1	4.047	4.047	0.000	17586767H	0.5000	0.5000	
1	4.722	4.722	0.000	15780738H	0.5000	0.5000	
1	5.245	5.245	0.000	12771522H	0.5000	0.5000	
1	5.889	5.889	0.000	11568137H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.377	4.377	0.000	13883744H	0.5000	0.5000	
2	4.893	4.893	0.000	18475962H	0.5000	0.5000	
2	5.760	5.760	0.000	16583072H	0.5000	0.5000	
2	7.306	7.306	0.000	14203652H	0.5000	0.5000	
2	7.765	7.765	0.000	10891231H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	9.983	9.983	0.000	71607468H	0.5000	0.5000	
1	10.044	10.044	0.000	60326483H	0.5000	0.5000	
1	10.345	10.345	0.000	56989640H	0.5000	0.5000	
1	11.285	11.285	0.000	205356535H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	11.464	11.464	0.000	75866770H	0.5000	0.5000	
2	11.529	11.529	0.000	62455512H	0.5000	0.5000	
2	11.882	11.882	0.000	61168936H	0.5000	0.5000	
2	12.690	12.690	0.000	225962119H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 12 PCB-205 (IS)							
1	10.954	10.957	-0.003	121319089	H 0.1000	0.1000	
2	12.306	12.308	-0.002	139682274	H 0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR4268CALL4_00021	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160003.D

Injection Date: 16-Jun-2022 08:30:24 Instrument ID: CHGC20

Lims ID: IC

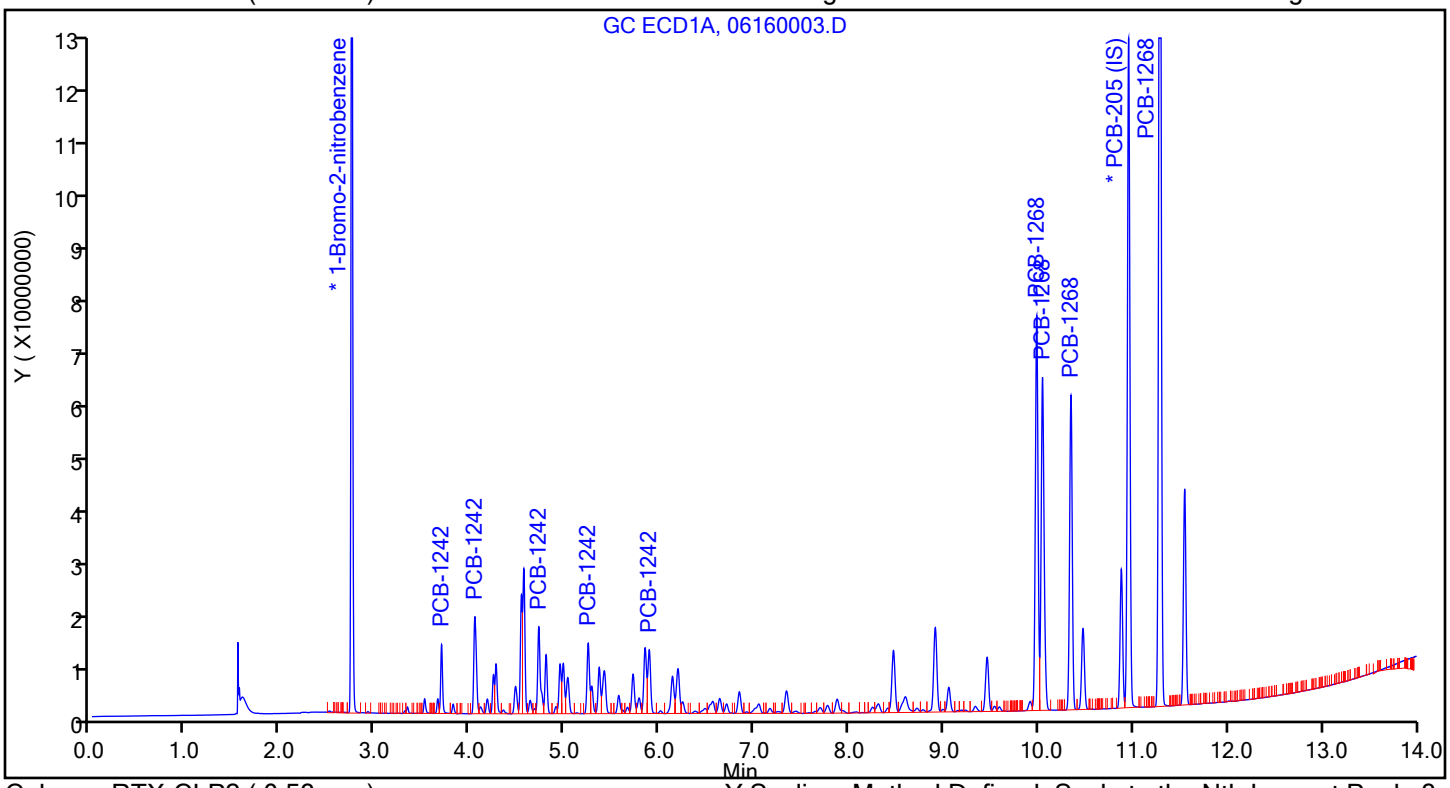
Client ID:

Operator ID: 402331 ALS Bottle#: 3 Worklist Smp#: 3

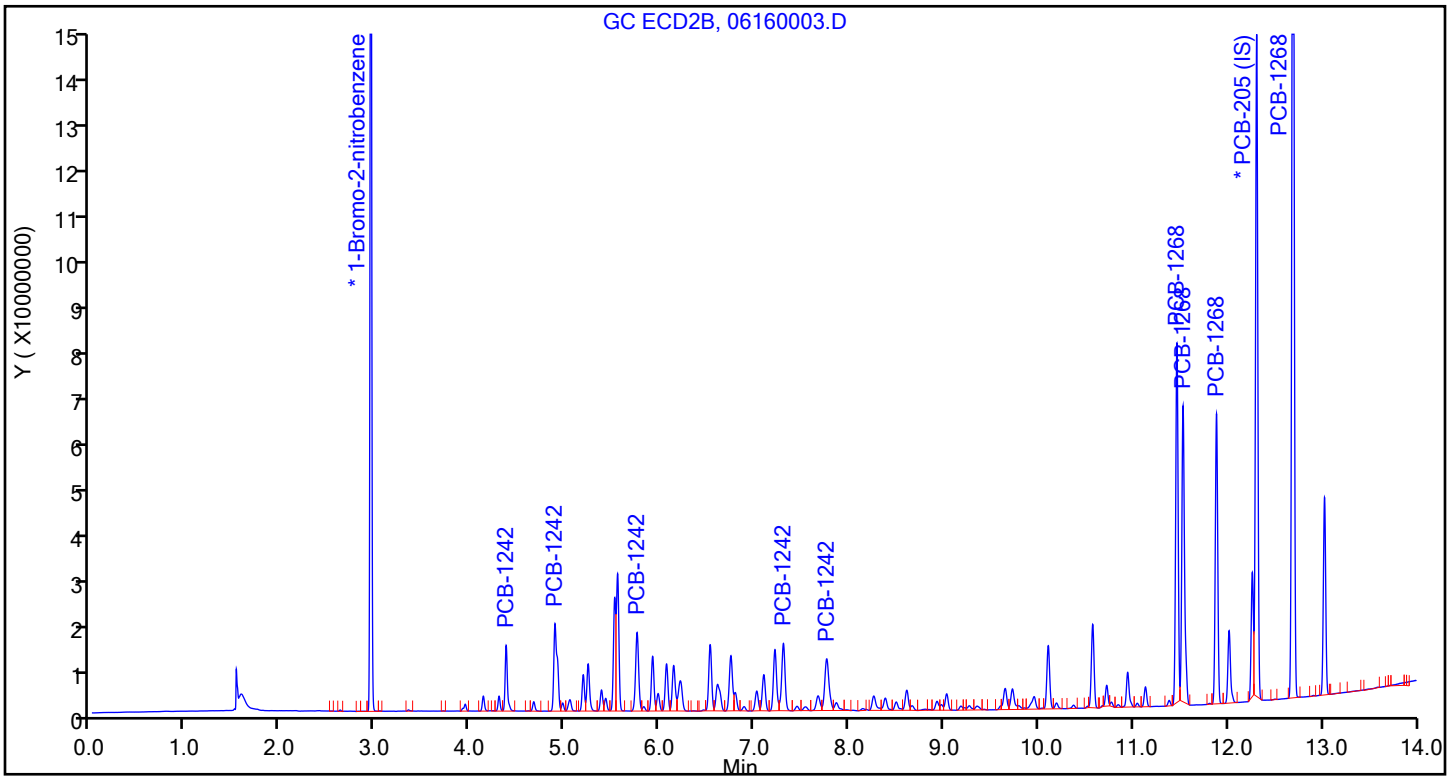
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1242 Peak 1

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

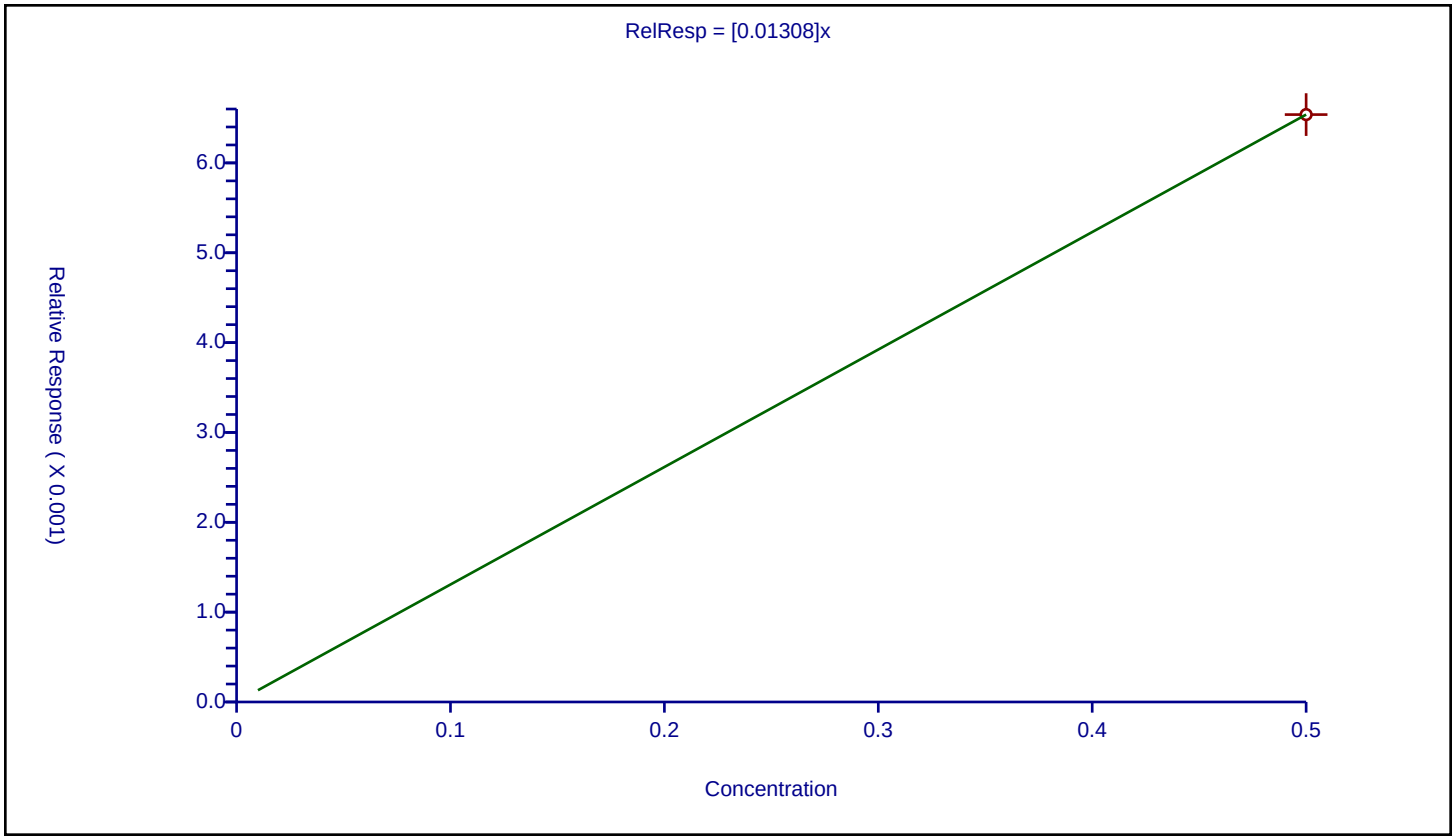
Curve Coefficients

Intercept:	0
Slope:	0.01308

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.006538	0.1	191147843.0	0.013076	Y



Calibration / PCB-1242 Peak 2

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

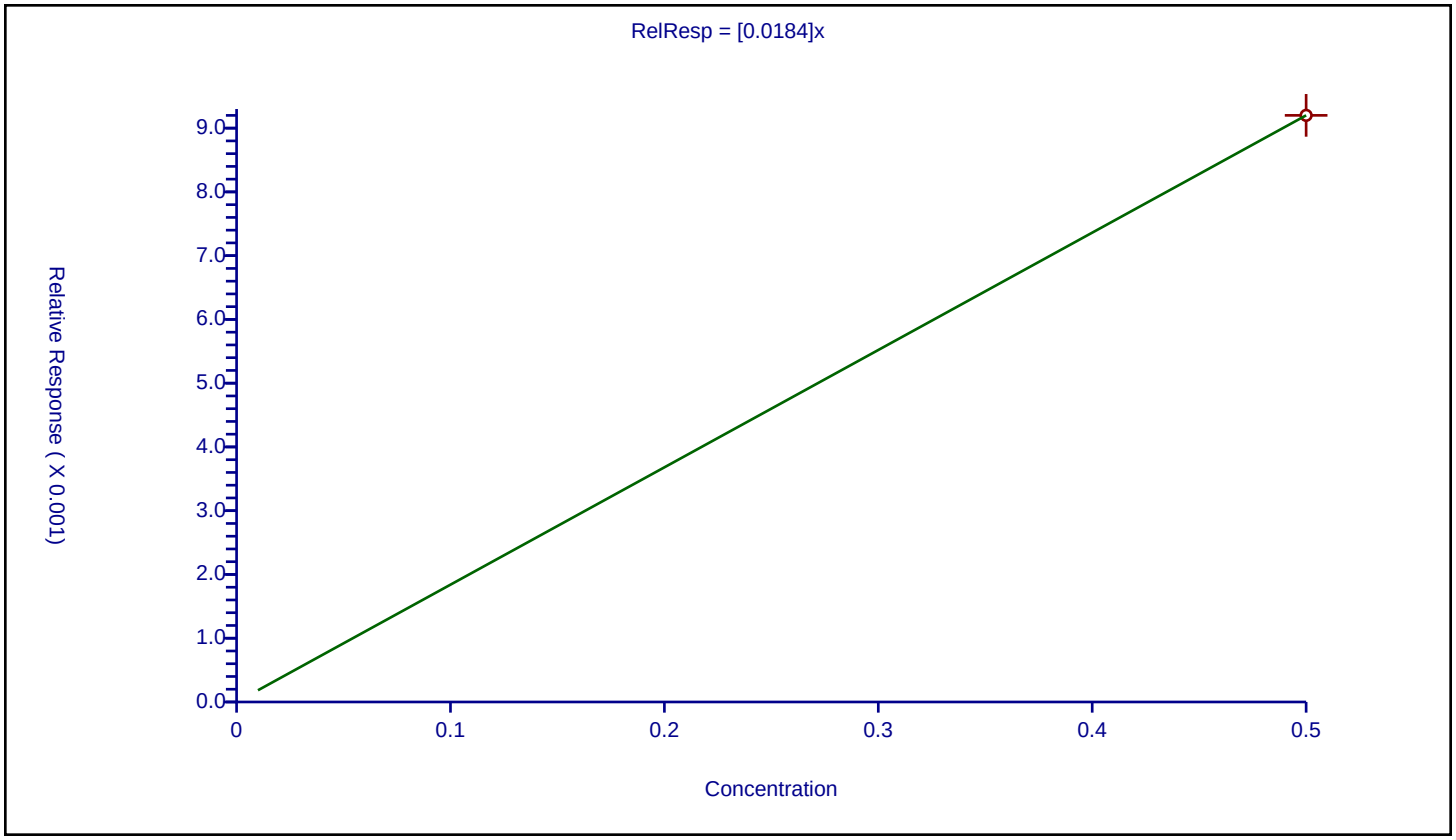
Curve Coefficients

Intercept:	0
Slope:	0.0184

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.009201	0.1	191147843.0	0.018401	Y



Calibration / PCB-1242 Peak 3

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

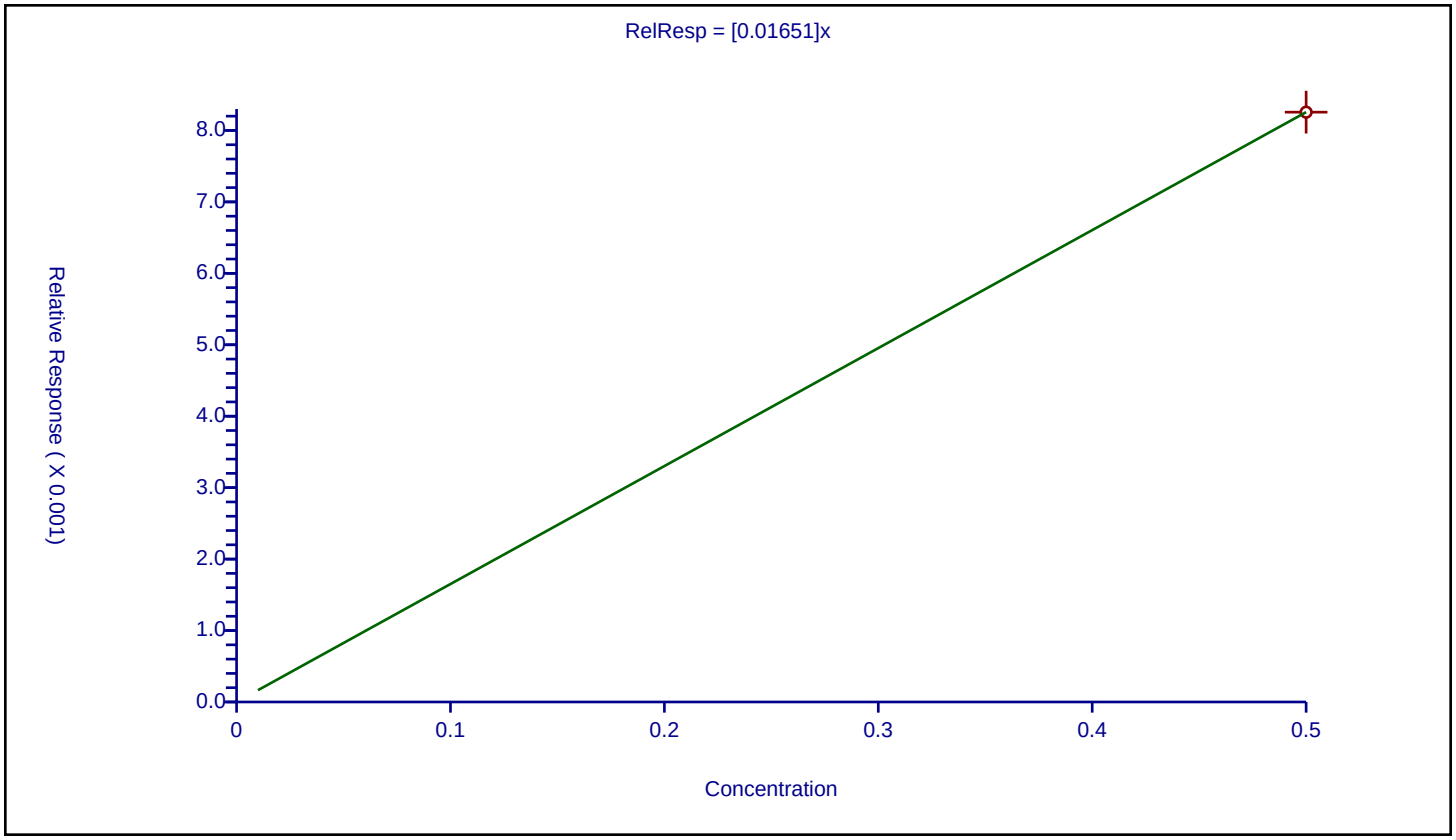
Curve Coefficients

Intercept:	0
Slope:	0.01651

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.008256	0.1	191147843.0	0.016512	Y



Calibration / PCB-1242 Peak 4

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

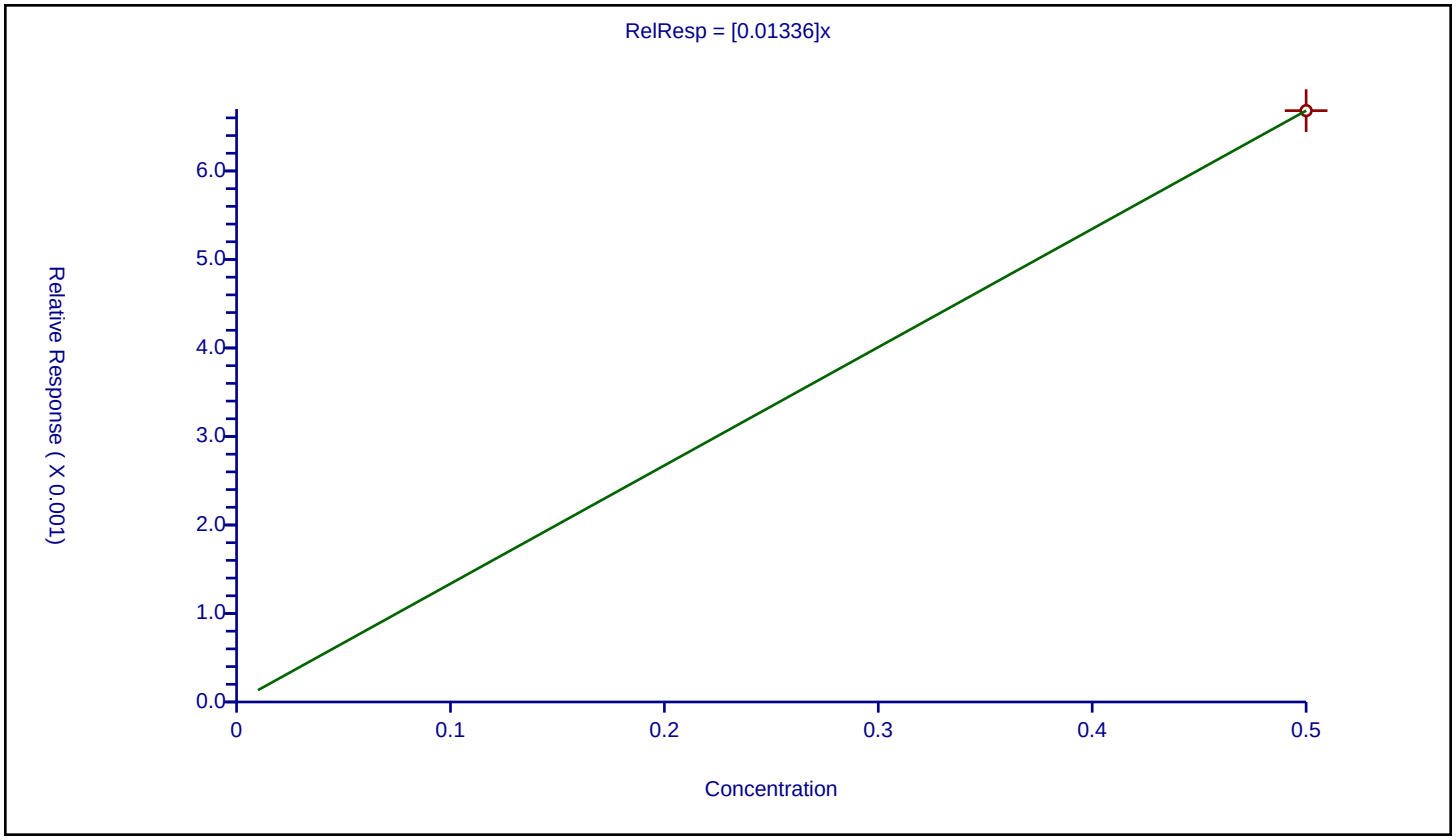
Curve Coefficients

Intercept:	0
Slope:	0.01336

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.006681	0.1	191147843.0	0.013363	Y



Calibration / PCB-1242 Peak 5

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

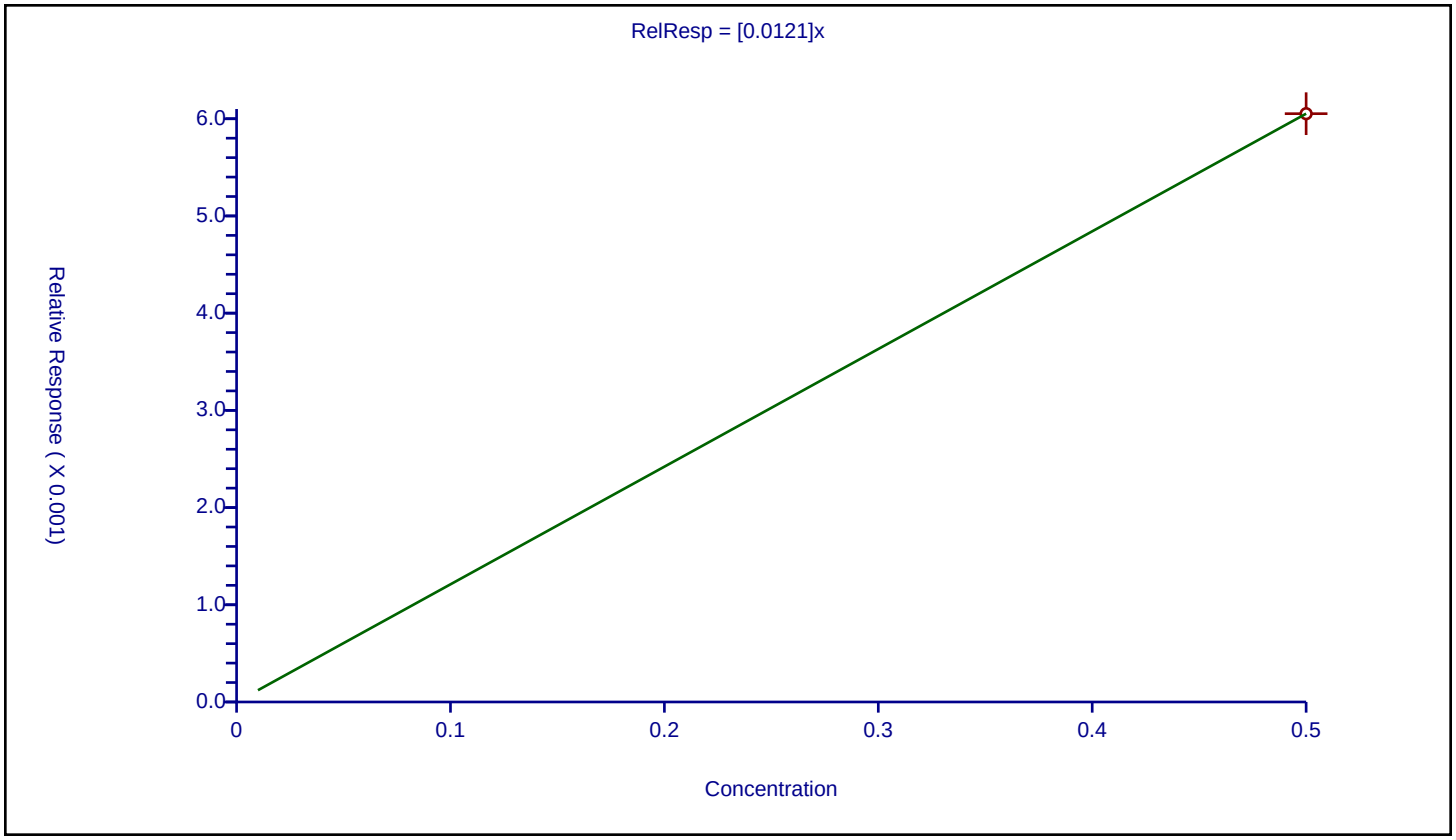
Curve Coefficients

Intercept:	0
Slope:	0.0121

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.006052	0.1	191147843.0	0.012104	Y



Calibration / PCB-1268 Peak 1

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

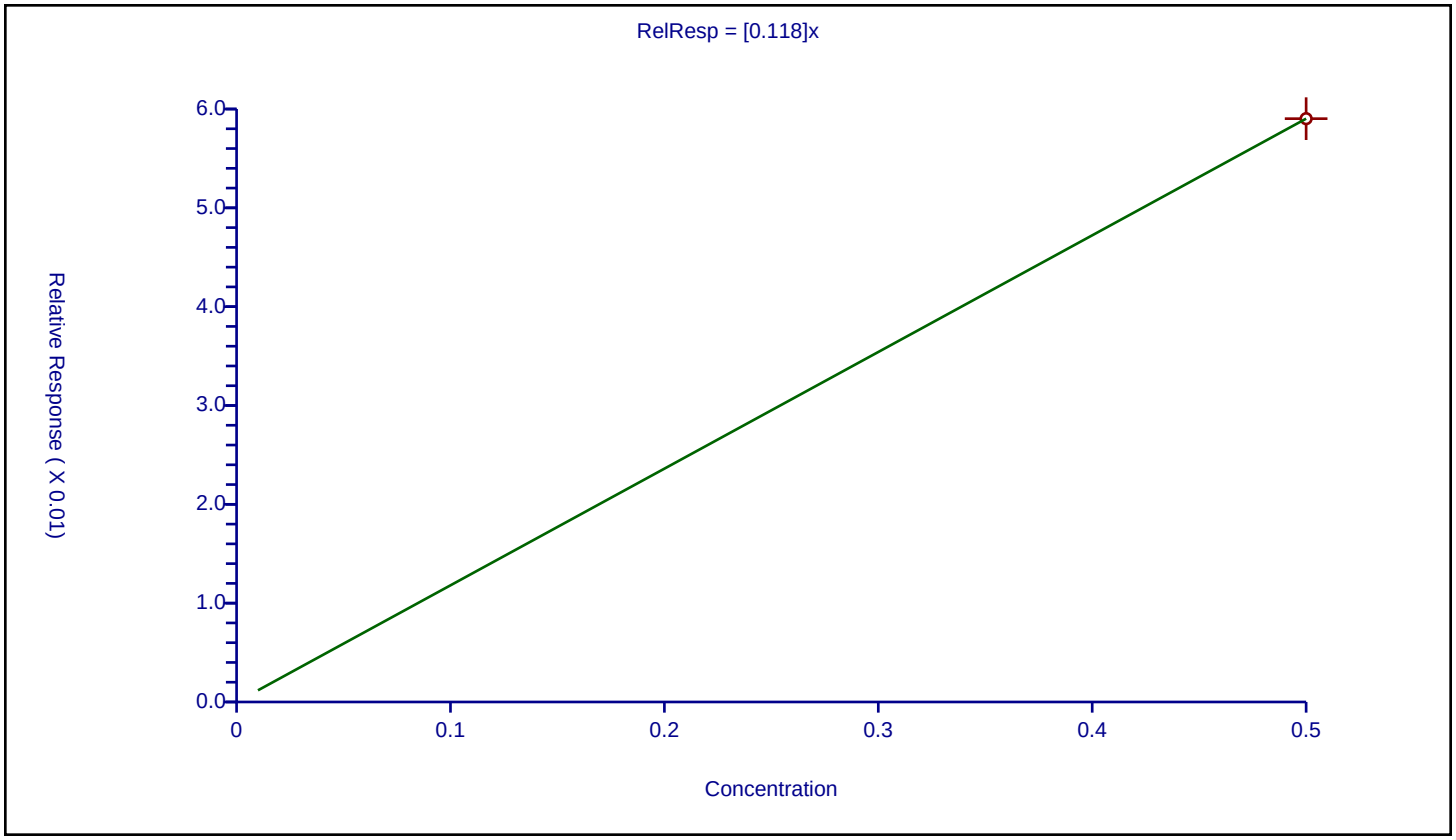
Curve Coefficients

Intercept:	0
Slope:	0.118

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.059024	0.1	121319089.0	0.118048	Y



Calibration / PCB-1268 Peak 2

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

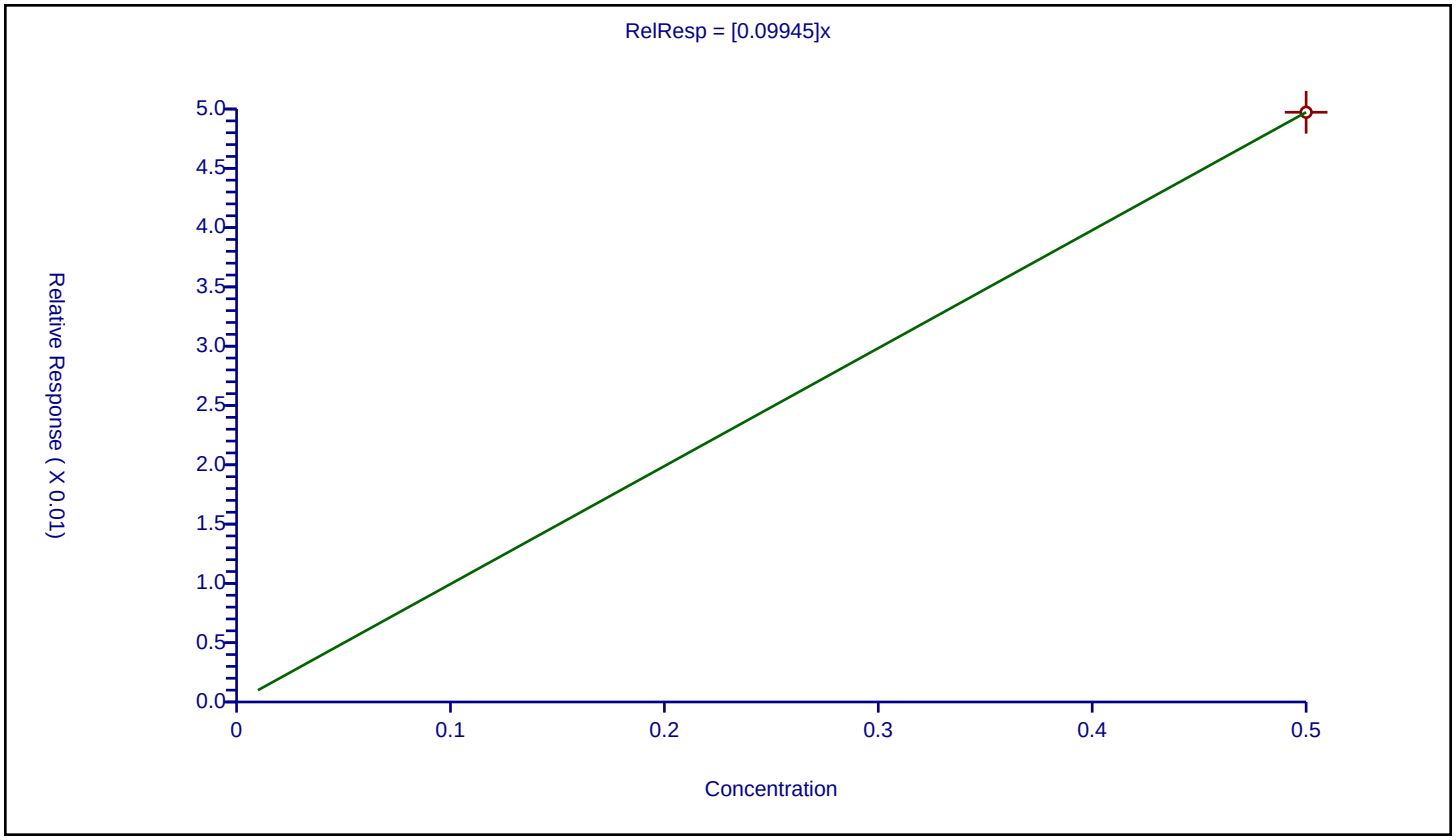
Curve Coefficients

Intercept:	0
Slope:	0.09945

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.049725	0.1	121319089.0	0.099451	Y



Calibration / PCB-1268 Peak 3

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

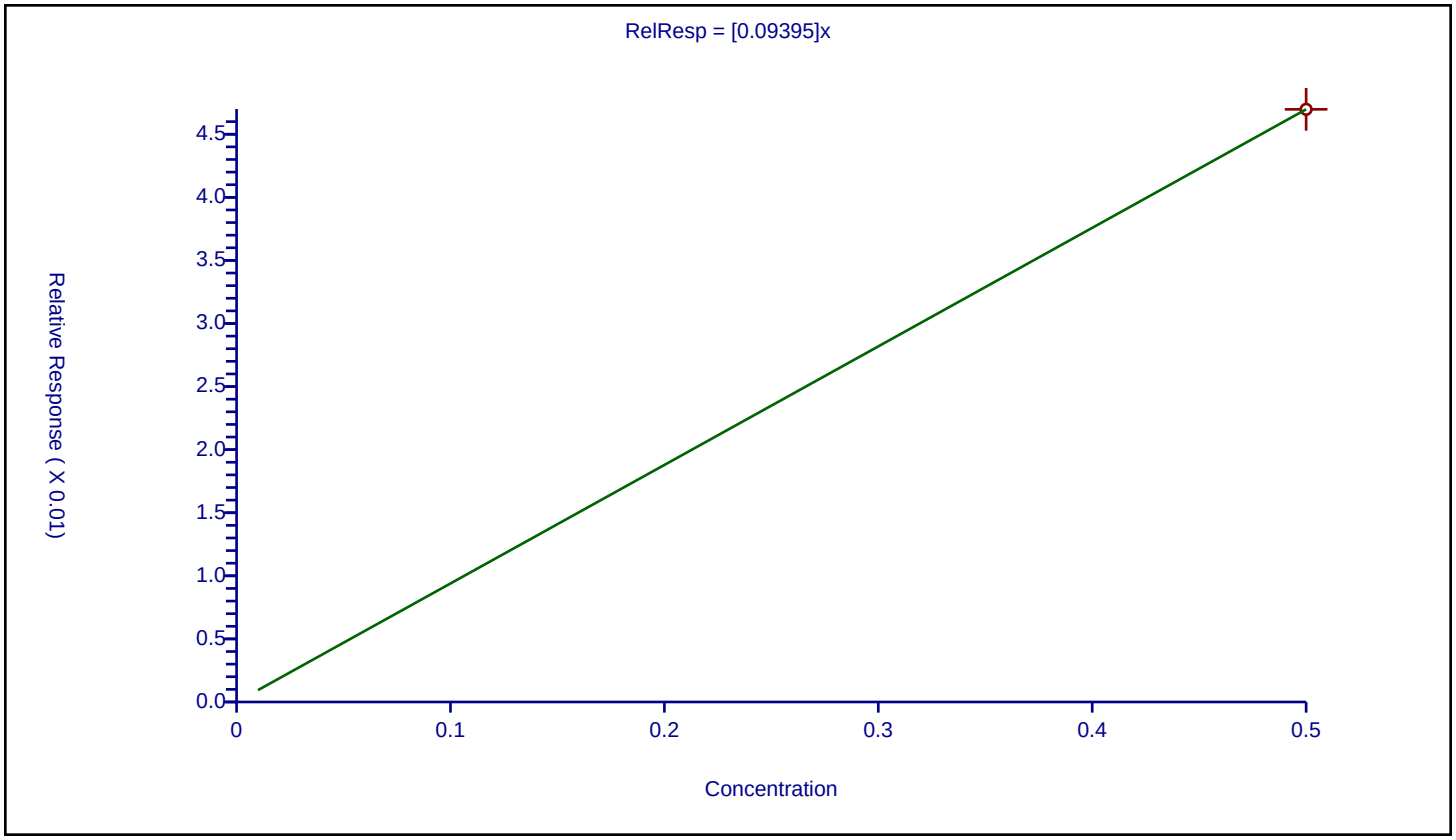
Curve Coefficients

Intercept:	0
Slope:	0.09395

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.046975	0.1	121319089.0	0.09395	Y



Calibration / PCB-1268 Peak 4

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

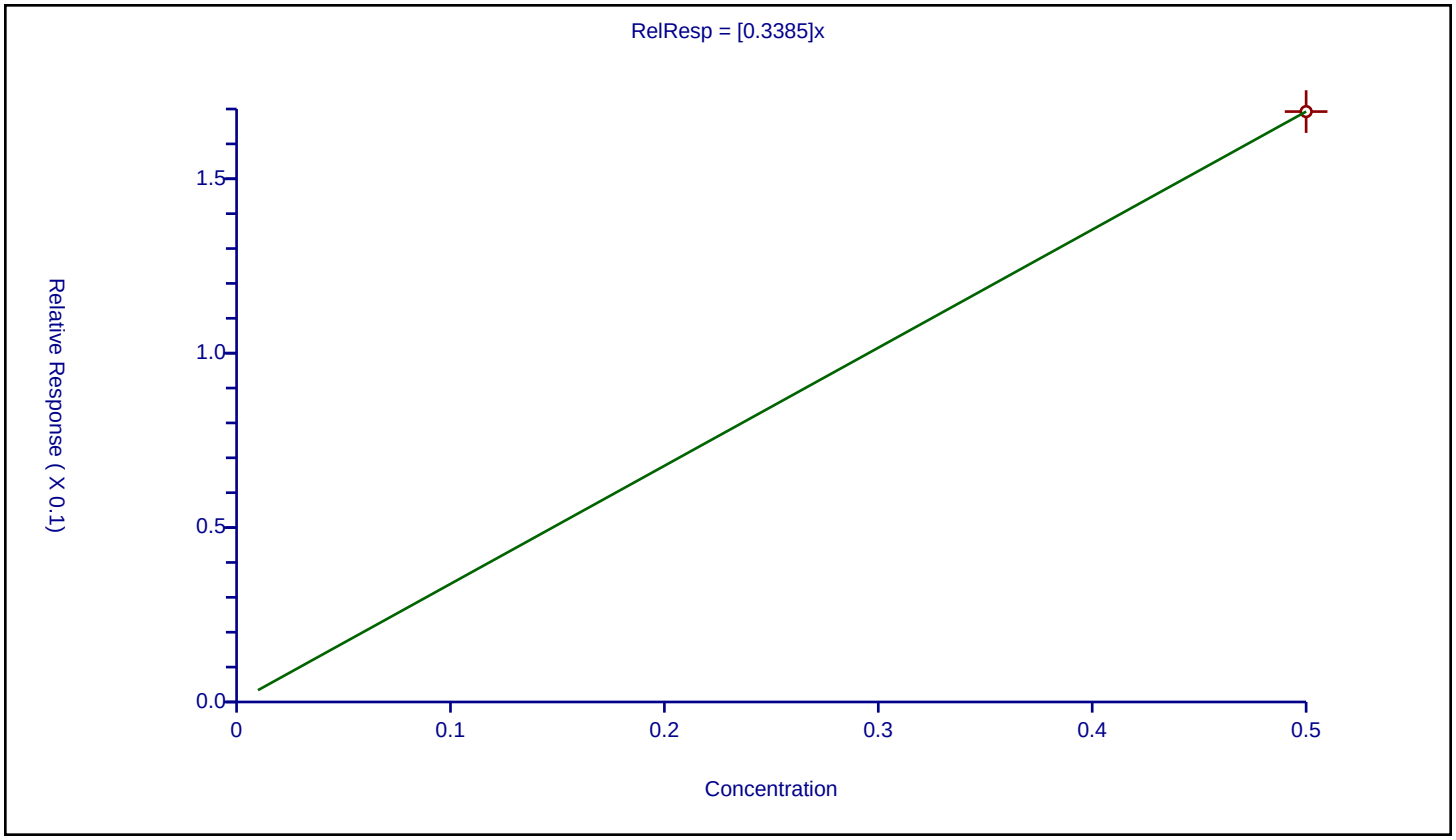
Curve Coefficients

Intercept:	0
Slope:	0.3385

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.16927	0.1	121319089.0	0.33854	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48812

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0110					Ave		0.0110						20.0			
PCB-1242 Peak 2	0.0147					Ave		0.0147						20.0			
PCB-1242 Peak 3	0.0132					Ave		0.0132						20.0			
PCB-1242 Peak 4	0.0113					Ave		0.0113						20.0			
PCB-1242 Peak 5	0.0086					Ave		0.0086						20.0			
PCB-1268 Peak 1	0.1086					Ave		0.1086						20.0			
PCB-1268 Peak 2	0.0894					Ave		0.0894						20.0			
PCB-1268 Peak 3	0.0876					Ave		0.0876						20.0			
PCB-1268 Peak 4	0.3235					Ave		0.3235						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48812

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	13883744					0.500				
PCB-1242 Peak 2	BNB	Ave	18475962					0.500				
PCB-1242 Peak 3	BNB	Ave	16583072					0.500				
PCB-1242 Peak 4	BNB	Ave	14203652					0.500				
PCB-1242 Peak 5	BNB	Ave	10891231					0.500				
PCB-1268 Peak 1	PCB205	Ave	75866770					0.500				
PCB-1268 Peak 2	PCB205	Ave	62455512					0.500				
PCB-1268 Peak 3	PCB205	Ave	61168936					0.500				
PCB-1268 Peak 4	PCB205	Ave	225962119					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:30 Calibration End Date: 06/16/2022 08:30 Calibration ID: 48812

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/3	06160003.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1242 Peak 1	0.0						50					
PCB-1242 Peak 2	0.0						50					
PCB-1242 Peak 3	0.0						50					
PCB-1242 Peak 4	0.0						50					
PCB-1242 Peak 5	0.0						50					
PCB-1268 Peak 1	0.0						50					
PCB-1268 Peak 2	0.0						50					
PCB-1268 Peak 3	0.0						50					
PCB-1268 Peak 4	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:30:24 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-003
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub11

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:30:56 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:32:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.746	2.749	-0.003	191147843H	0.1000	0.1000	
2	2.948	2.949	-0.002	251831767H	0.1000	0.1000	
6 PCB-1242							
1	3.695	3.695	0.000	12497228H	0.5000	0.5000	
1	4.047	4.047	0.000	17586767H	0.5000	0.5000	
1	4.722	4.722	0.000	15780738H	0.5000	0.5000	
1	5.245	5.245	0.000	12771522H	0.5000	0.5000	
1	5.889	5.889	0.000	11568137H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.377	4.377	0.000	13883744H	0.5000	0.5000	
2	4.893	4.893	0.000	18475962H	0.5000	0.5000	
2	5.760	5.760	0.000	16583072H	0.5000	0.5000	
2	7.306	7.306	0.000	14203652H	0.5000	0.5000	
2	7.765	7.765	0.000	10891231H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	9.983	9.983	0.000	71607468H	0.5000	0.5000	
1	10.044	10.044	0.000	60326483H	0.5000	0.5000	
1	10.345	10.345	0.000	56989640H	0.5000	0.5000	
1	11.285	11.285	0.000	205356535H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	11.464	11.464	0.000	75866770H	0.5000	0.5000	
2	11.529	11.529	0.000	62455512H	0.5000	0.5000	
2	11.882	11.882	0.000	61168936H	0.5000	0.5000	
2	12.690	12.690	0.000	225962119H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 12 PCB-205 (IS)							
1	10.954	10.957	-0.003	121319089	H 0.1000	0.1000	
2	12.306	12.308	-0.002	139682274	H 0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR4268CALL4_00021	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:30:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160003.D

Injection Date: 16-Jun-2022 08:30:24 Instrument ID: CHGC20

Lims ID: IC

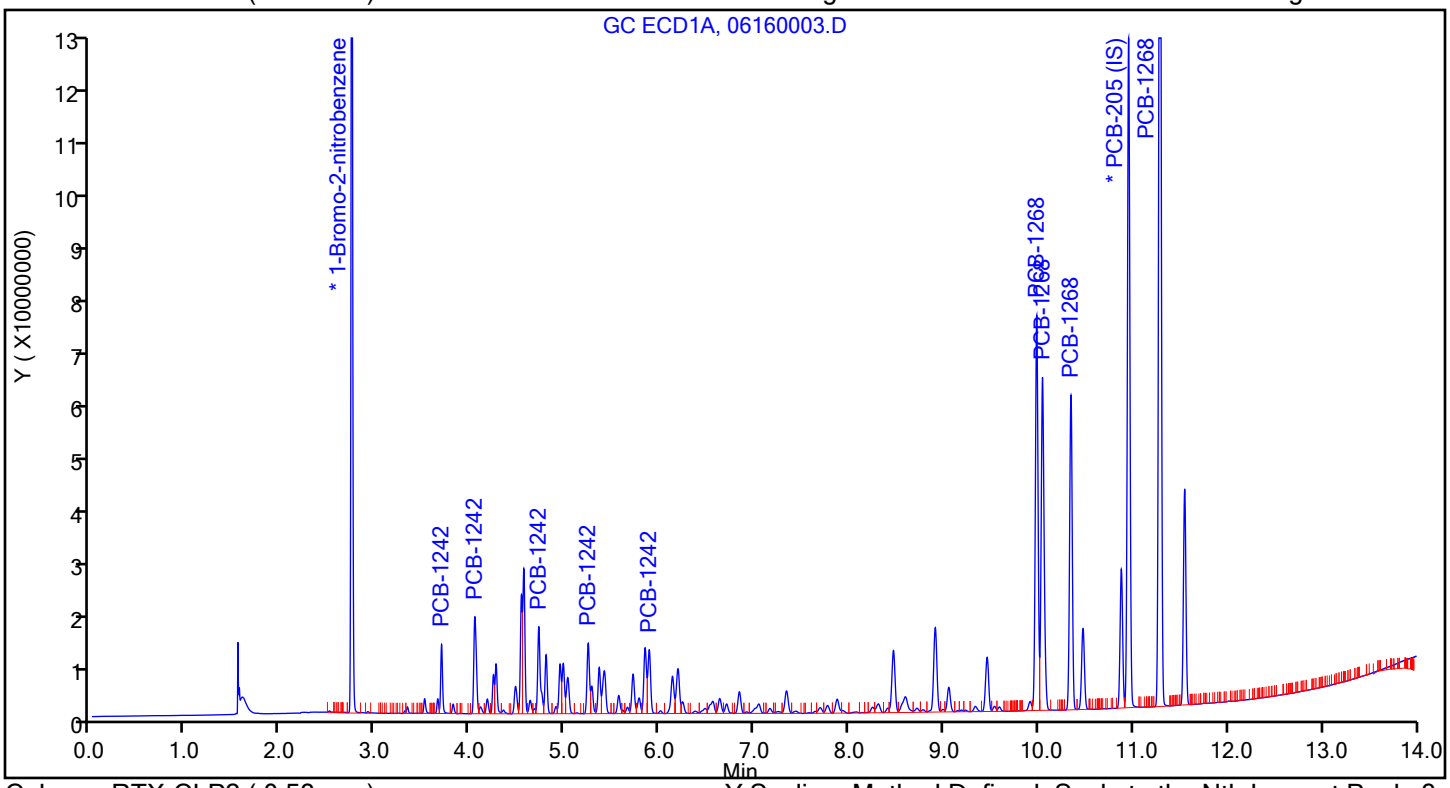
Client ID:

Operator ID: 402331 ALS Bottle#: 3 Worklist Smp#: 3

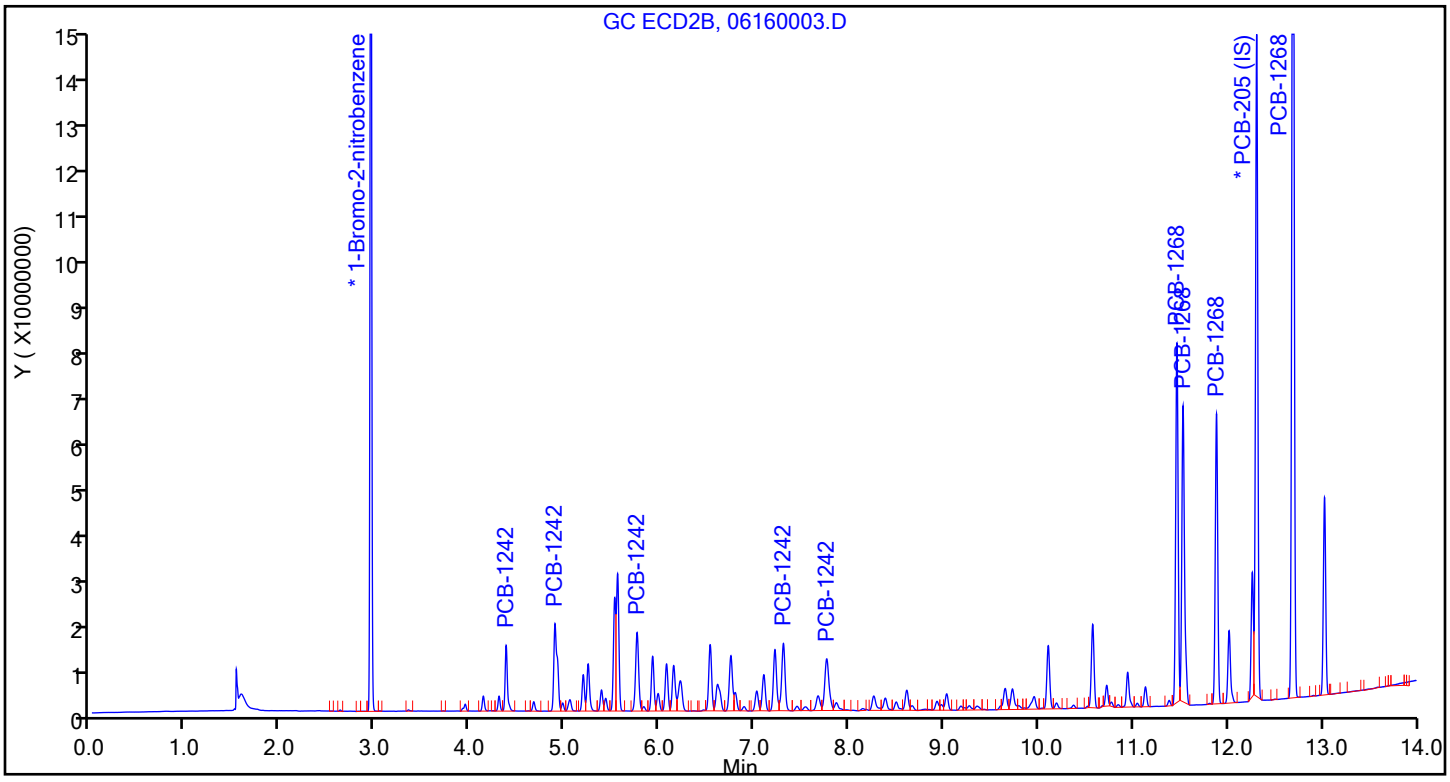
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1242 Peak 1

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

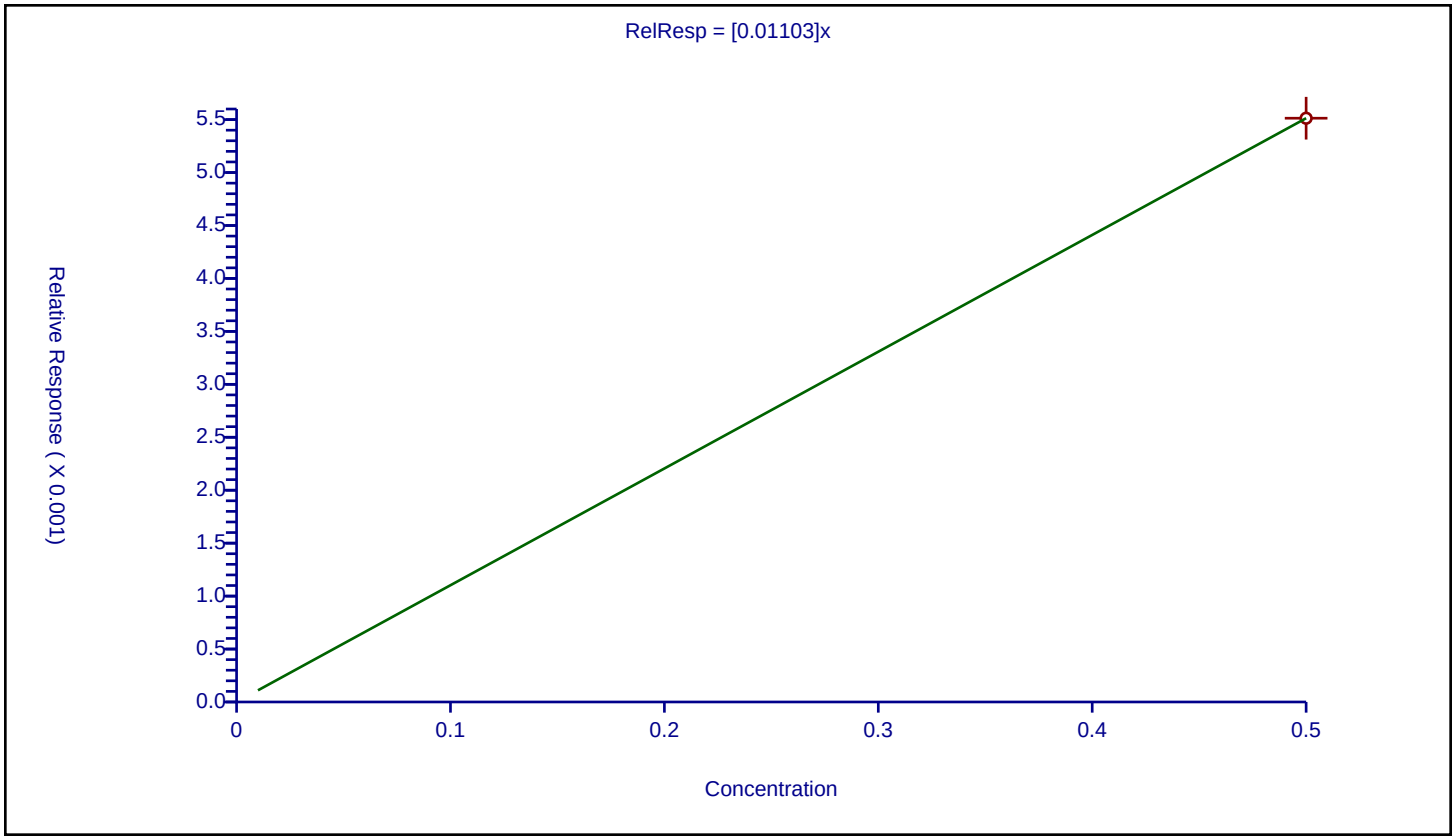
Curve Coefficients

Intercept:	0
Slope:	0.01103

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.005513	0.1	251831767.0	0.011026	Y



Calibration / PCB-1242 Peak 2

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

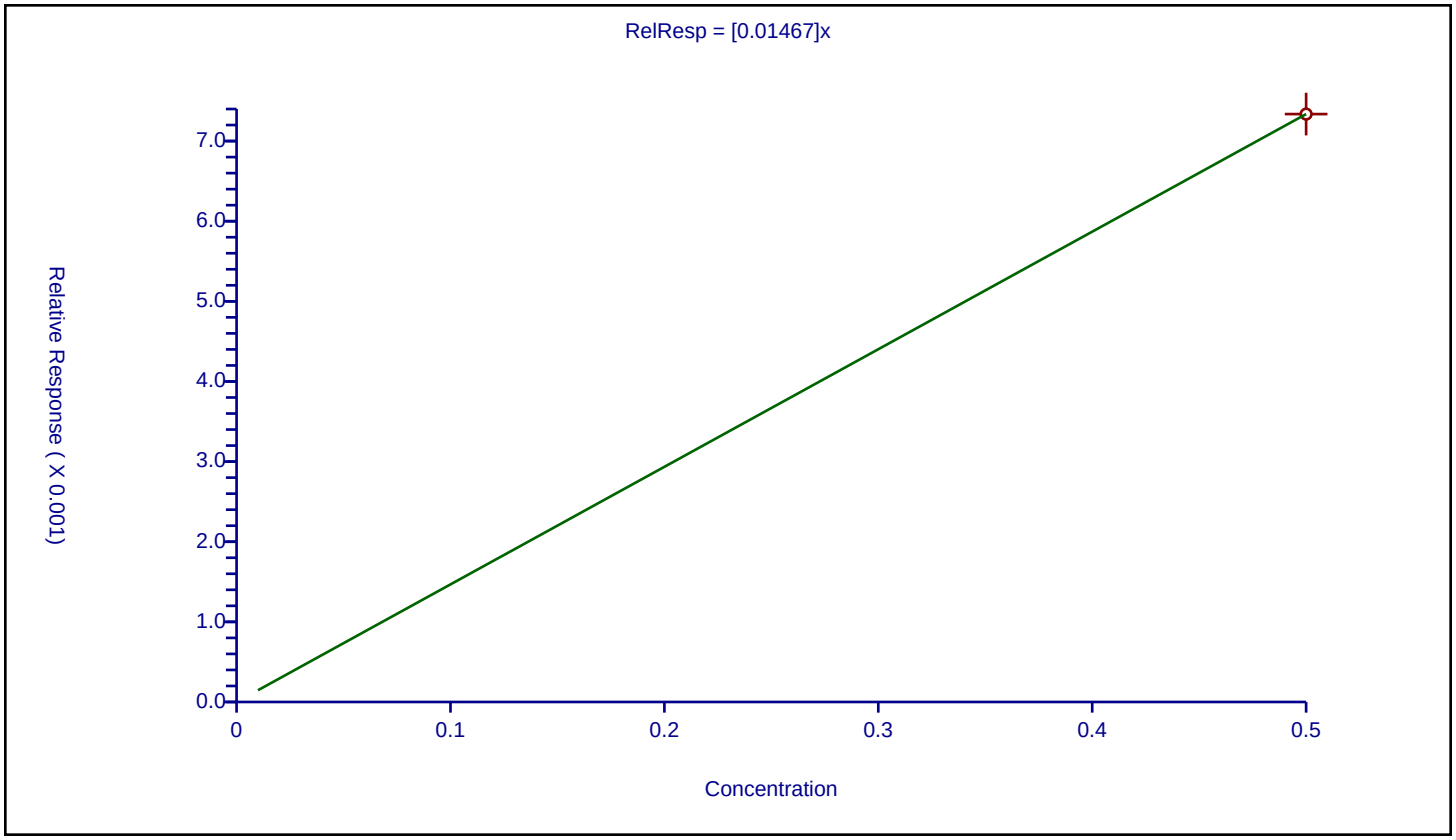
Curve Coefficients

Intercept:	0
Slope:	0.01467

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.007337	0.1	251831767.0	0.014673	Y



Calibration / PCB-1242 Peak 3

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

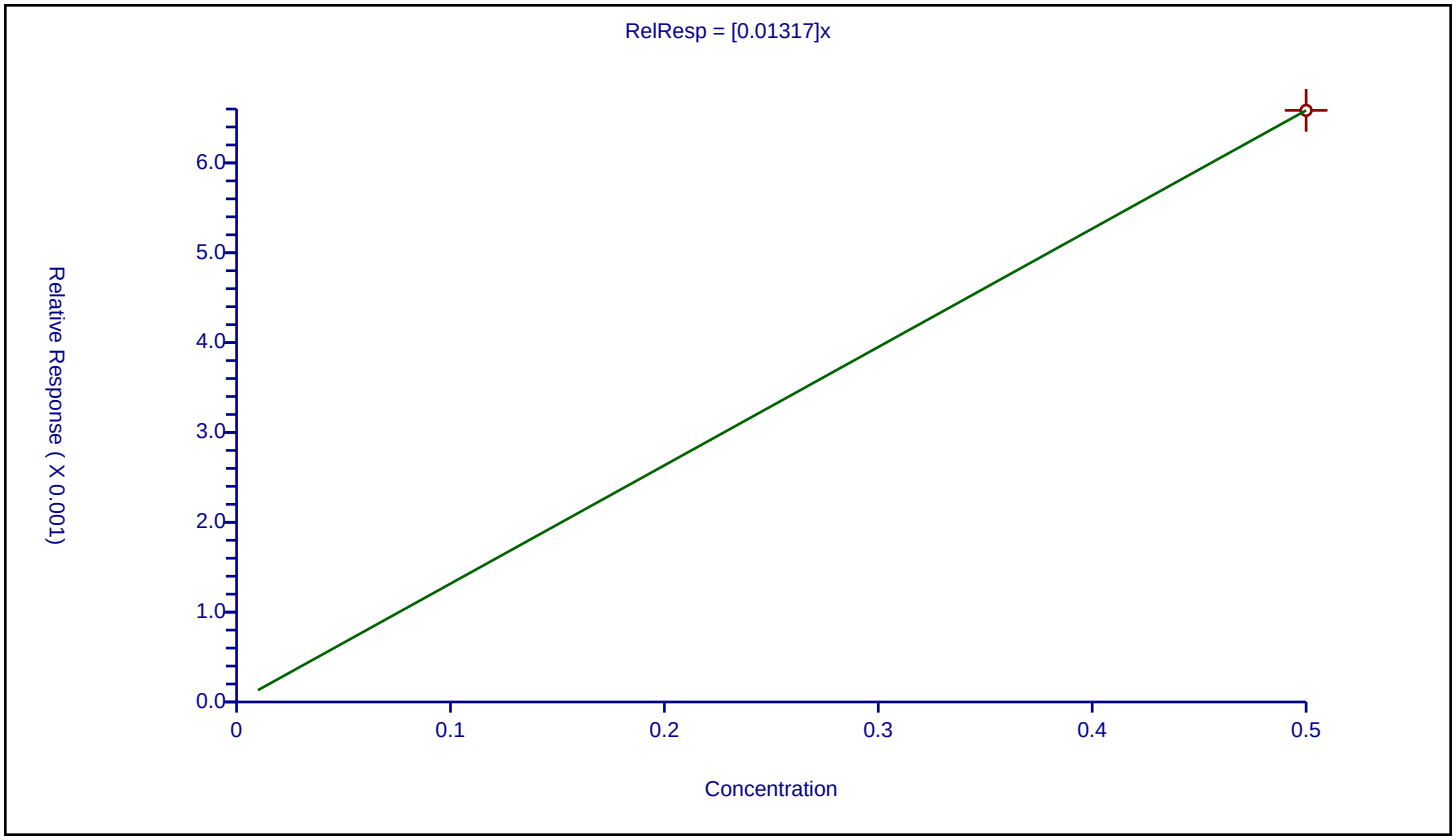
Curve Coefficients

Intercept:	0
Slope:	0.01317

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.006585	0.1	251831767.0	0.01317	Y



Calibration / PCB-1242 Peak 4

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

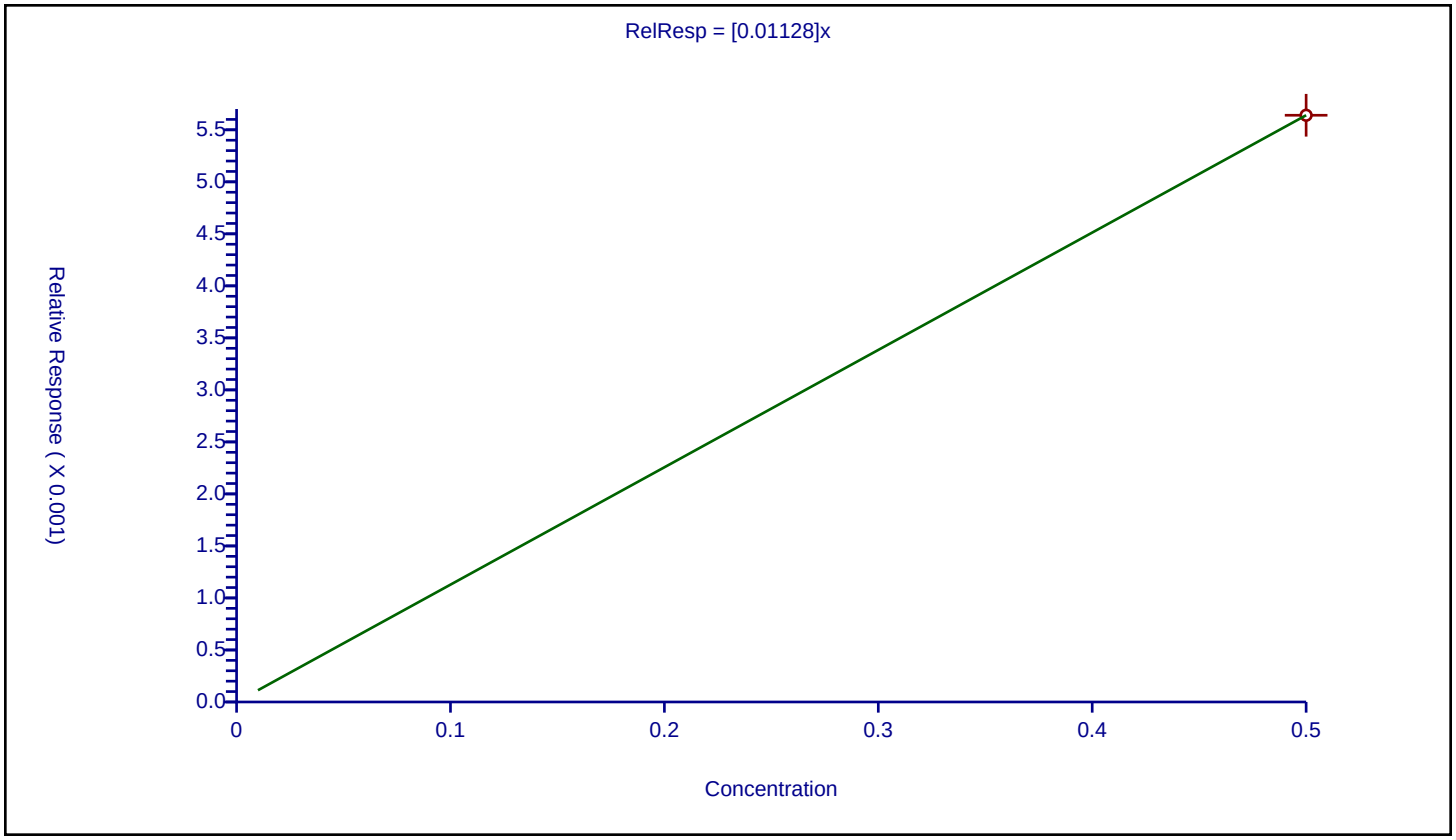
Curve Coefficients

Intercept:	0
Slope:	0.01128

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.00564	0.1	251831767.0	0.01128	Y



Calibration / PCB-1242 Peak 5

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

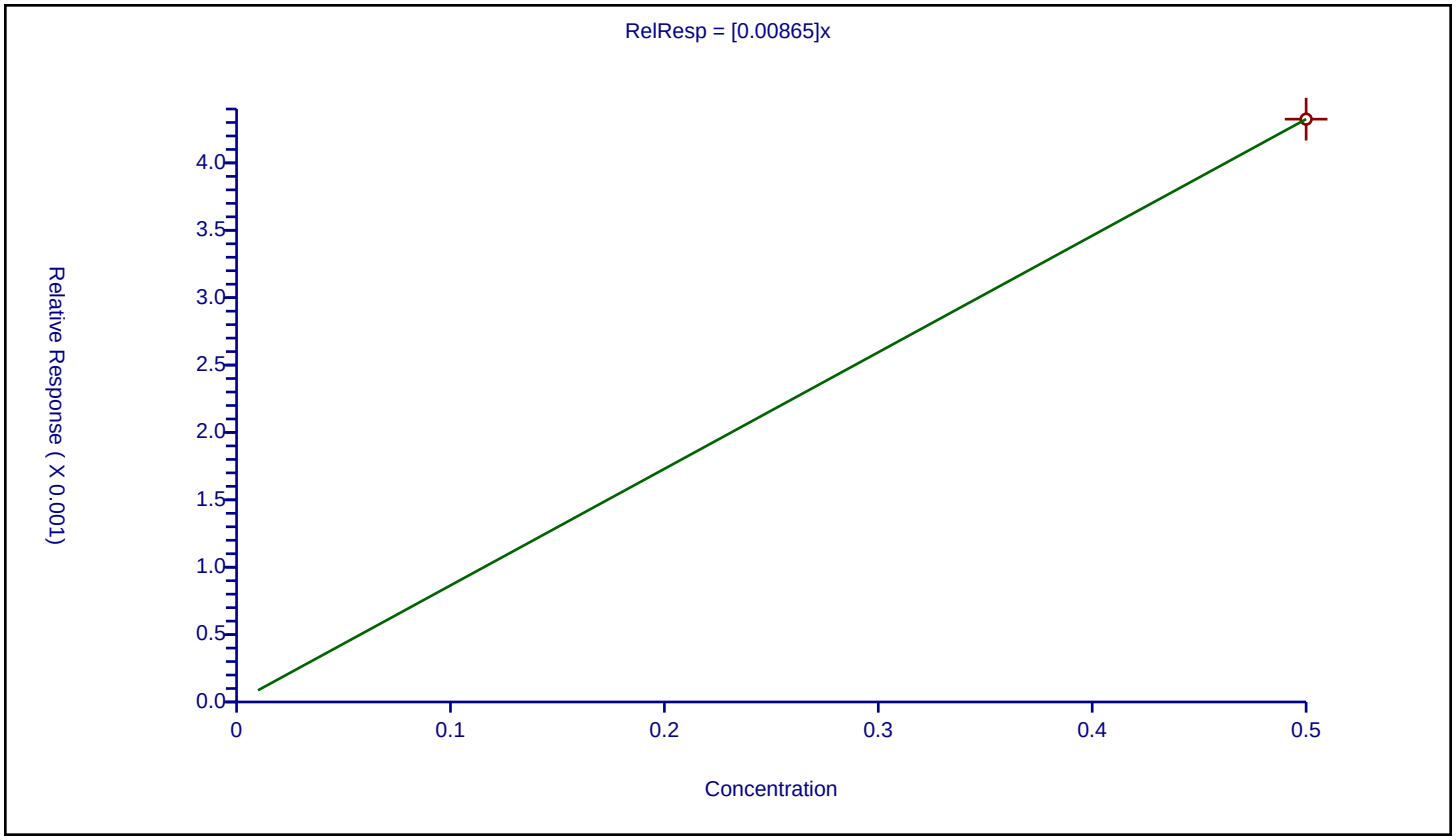
Curve Coefficients

Intercept:	0
Slope:	0.00865

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.004325	0.1	251831767.0	0.00865	Y



Calibration / PCB-1268 Peak 1

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

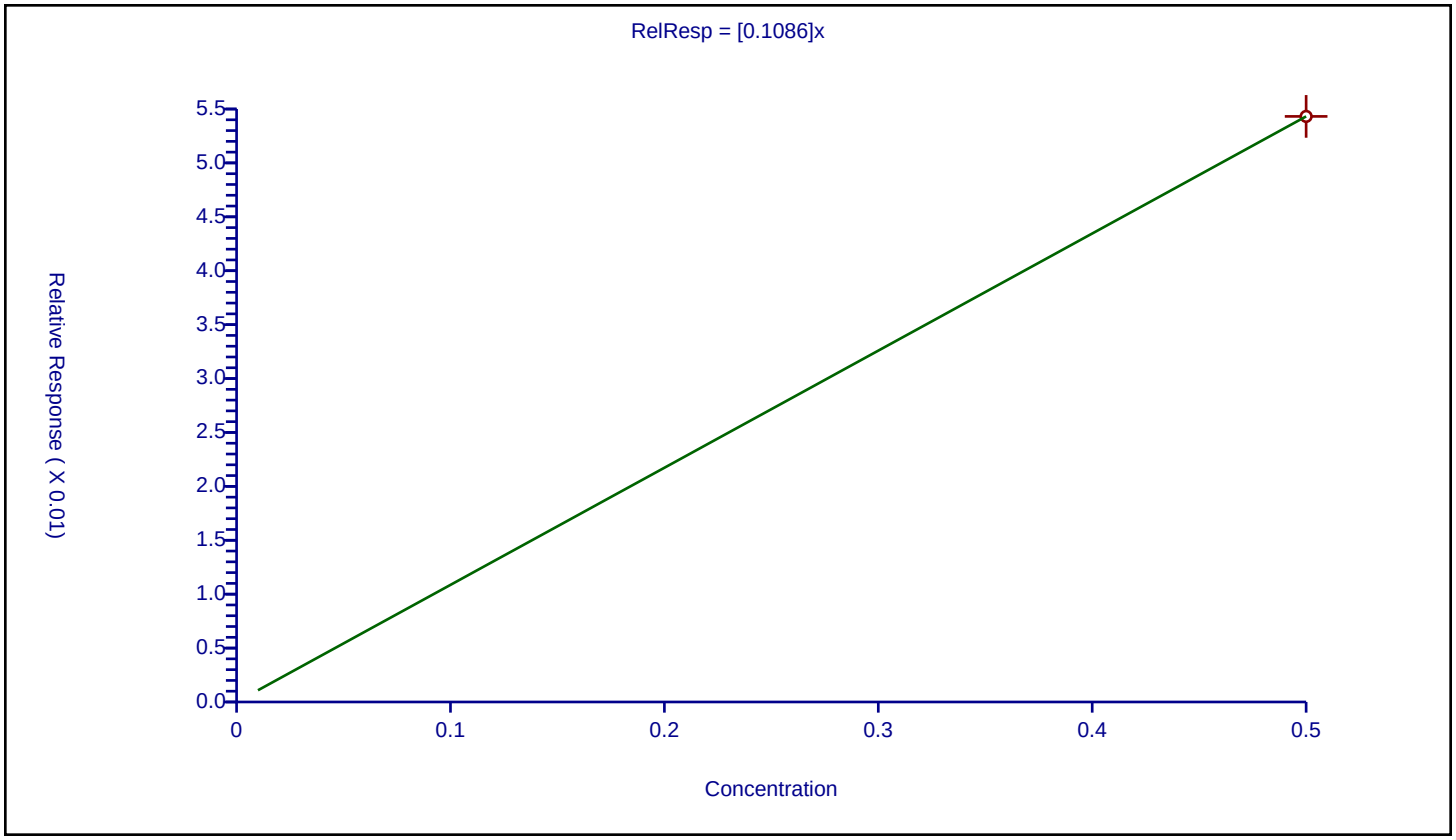
Curve Coefficients

Intercept:	0
Slope:	0.1086

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.054314	0.1	139682274.0	0.108628	Y



Calibration / PCB-1268 Peak 2

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

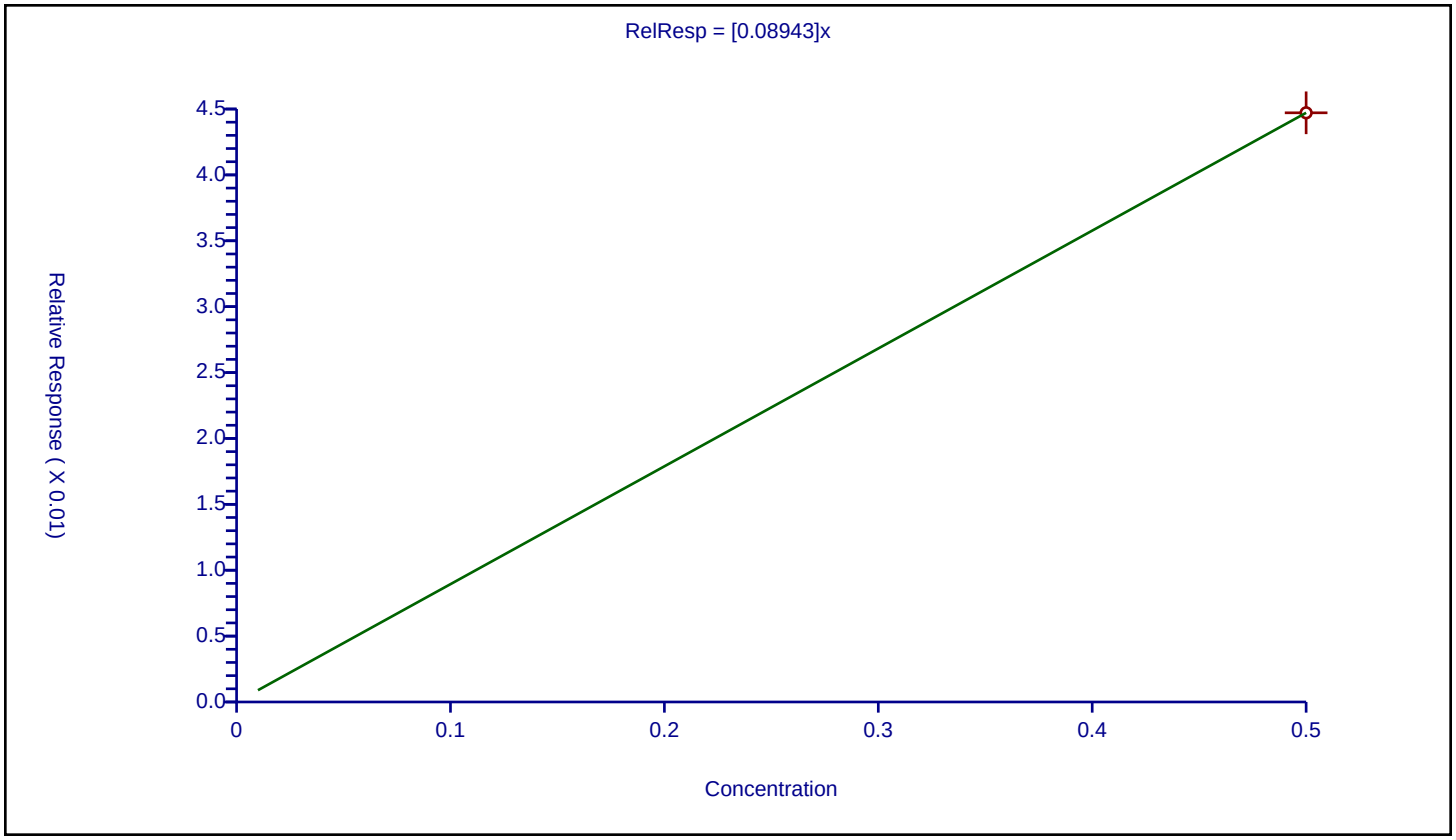
Curve Coefficients

Intercept:	0
Slope:	0.08943

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.044713	0.1	139682274.0	0.089425	Y



Calibration / PCB-1268 Peak 3

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

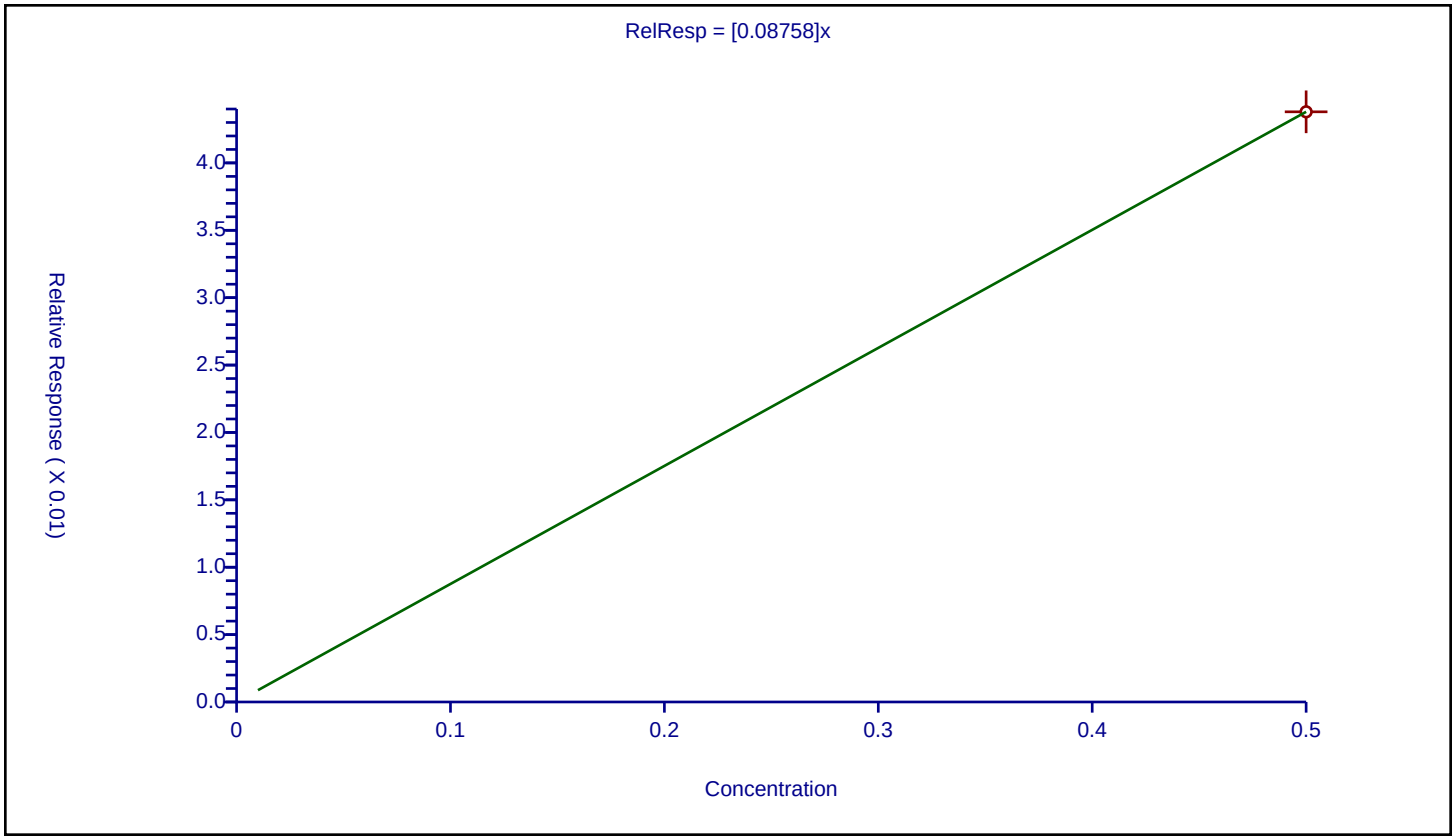
Curve Coefficients

Intercept:	0
Slope:	0.08758

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.043791	0.1	139682274.0	0.087583	Y



Calibration / PCB-1268 Peak 4

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

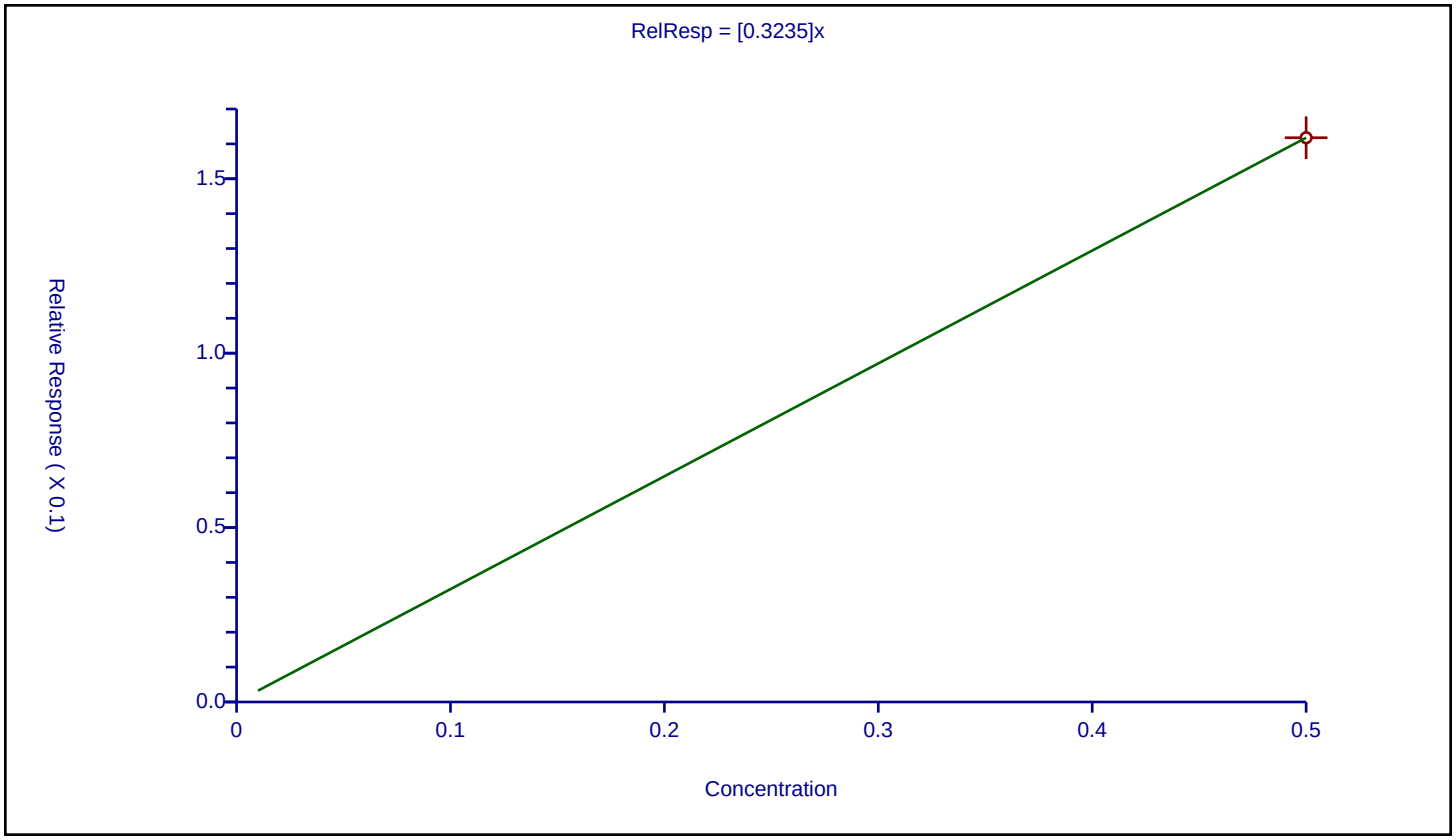
Curve Coefficients

Intercept:	0
Slope:	0.3235

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/3	0.5	0.161769	0.1	139682274.0	0.323537	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48817

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0096					Ave		0.0096						20.0			
PCB-1248 Peak 2	0.0168					Ave		0.0168						20.0			
PCB-1248 Peak 3	0.0212					Ave		0.0212						20.0			
PCB-1248 Peak 4	0.0230					Ave		0.0230						20.0			
PCB-1248 Peak 5	0.0107					Ave		0.0107						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48817

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	9943527					0.500				
PCB-1248 Peak 2	BNB	Ave	17409241					0.500				
PCB-1248 Peak 3	BNB	Ave	21946657					0.500				
PCB-1248 Peak 4	BNB	Ave	23795921					0.500				
PCB-1248 Peak 5	BNB	Ave	11072634					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48817

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1248 Peak 1	0.0						50					
PCB-1248 Peak 2	0.0						50					
PCB-1248 Peak 3	0.0						50					
PCB-1248 Peak 4	0.0						50					
PCB-1248 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:49:25 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-004
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub8

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:01 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:34:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	206832718H	0.1000	0.1000	
2	2.948	2.949	-0.002	271329762H	0.1000	0.1000	
7 PCB-1248							
1	4.047	4.047	0.000	9943527H	0.5000	0.5000	
1	4.949	4.949	0.000	17409241H	0.5000	0.5000	
1	5.246	5.246	0.000	21946657H	0.5000	0.5000	
1	5.849	5.849	0.000	23795921H	0.5000	0.5000	
1	6.845	6.845	0.000	11072634H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.895	4.895	0.000	10785004H	0.5000	0.5000	
2	6.074	6.074	0.000	19646682H	0.5000	0.5000	
2	6.536	6.536	0.000	24129847H	0.5000	0.5000	
2	7.309	7.309	0.000	26974746H	0.5000	0.5000	
2	7.767	7.767	0.000	18383763H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.955	10.957	-0.002	136466401H	0.1000	0.1000	
2	12.307	12.308	-0.001	154921196H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCAR1248CALL4_00029	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:01 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160004.D

Injection Date: 16-Jun-2022 08:49:25 Instrument ID: CHGC20

Lims ID: IC

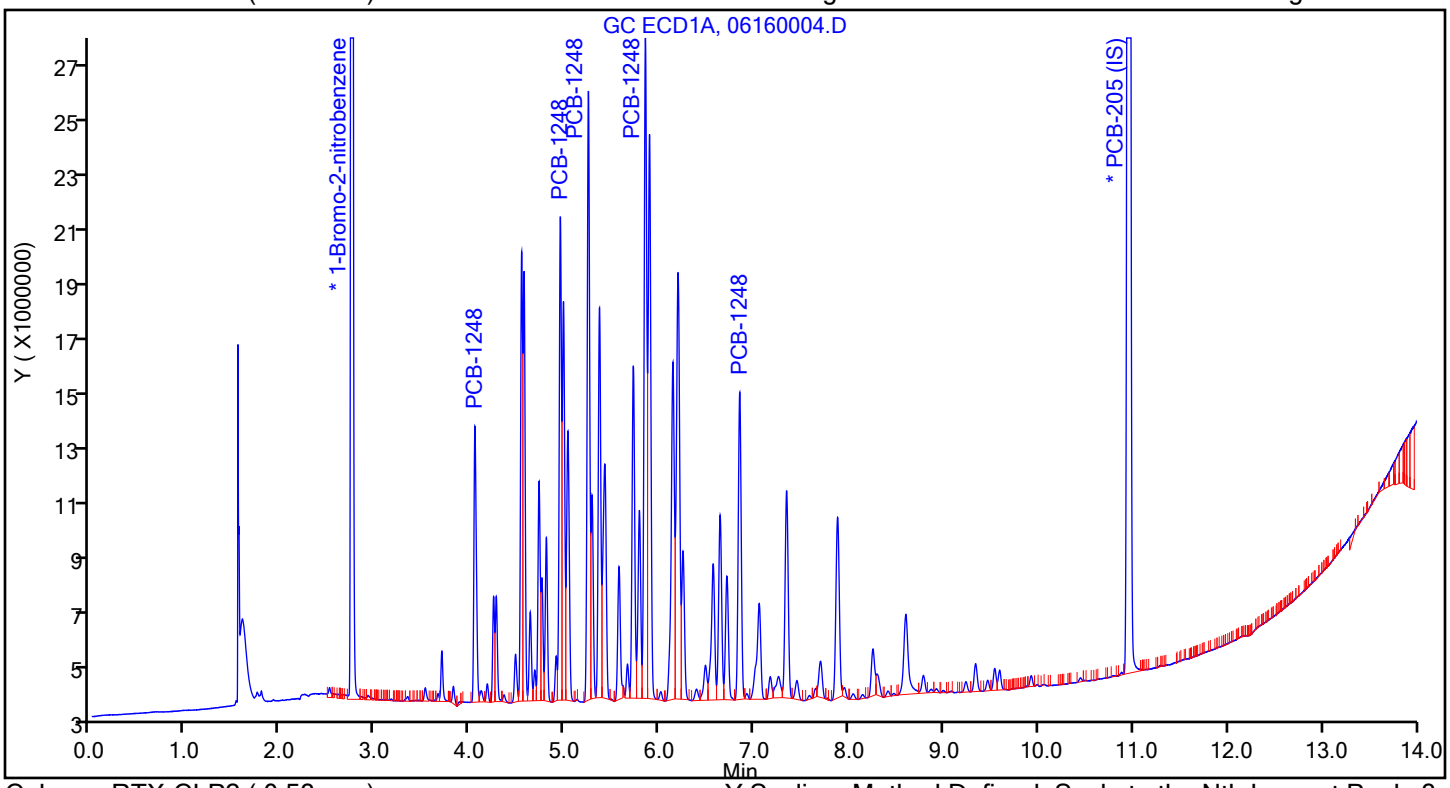
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

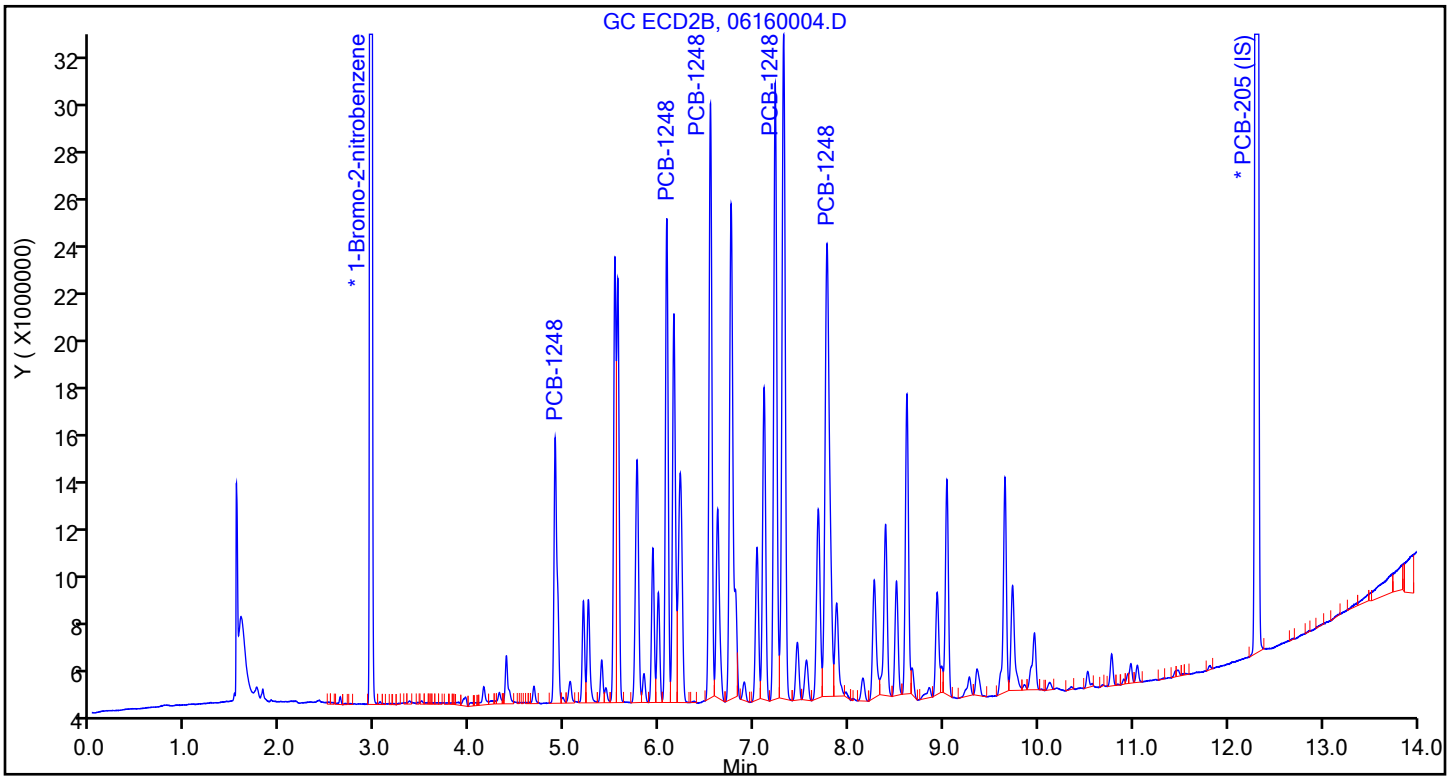
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1248 Peak 1

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

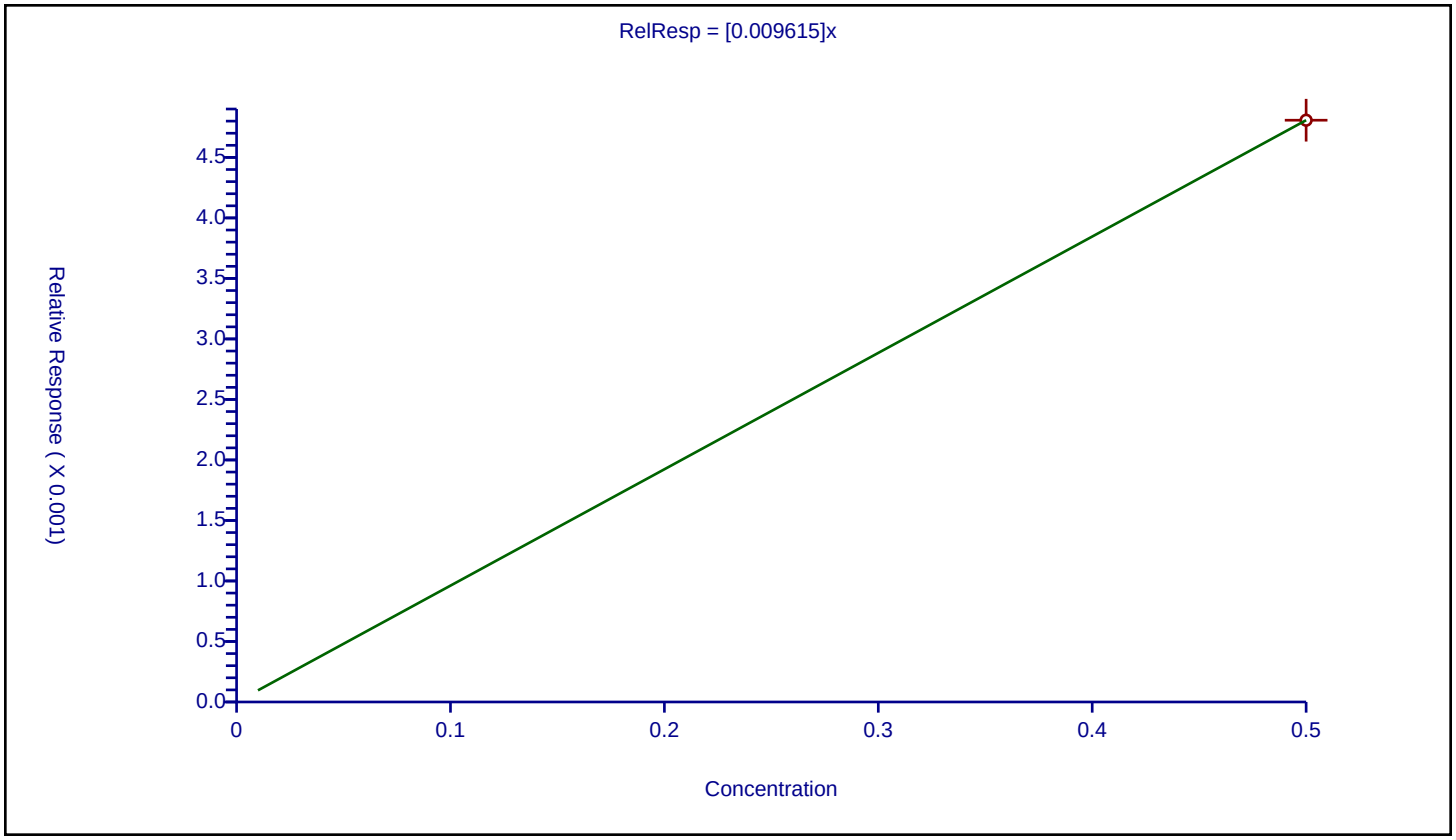
Curve Coefficients

Intercept:	0
Slope:	0.009615

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.004808	0.1	206832718.0	0.009615	Y



Calibration / PCB-1248 Peak 2

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

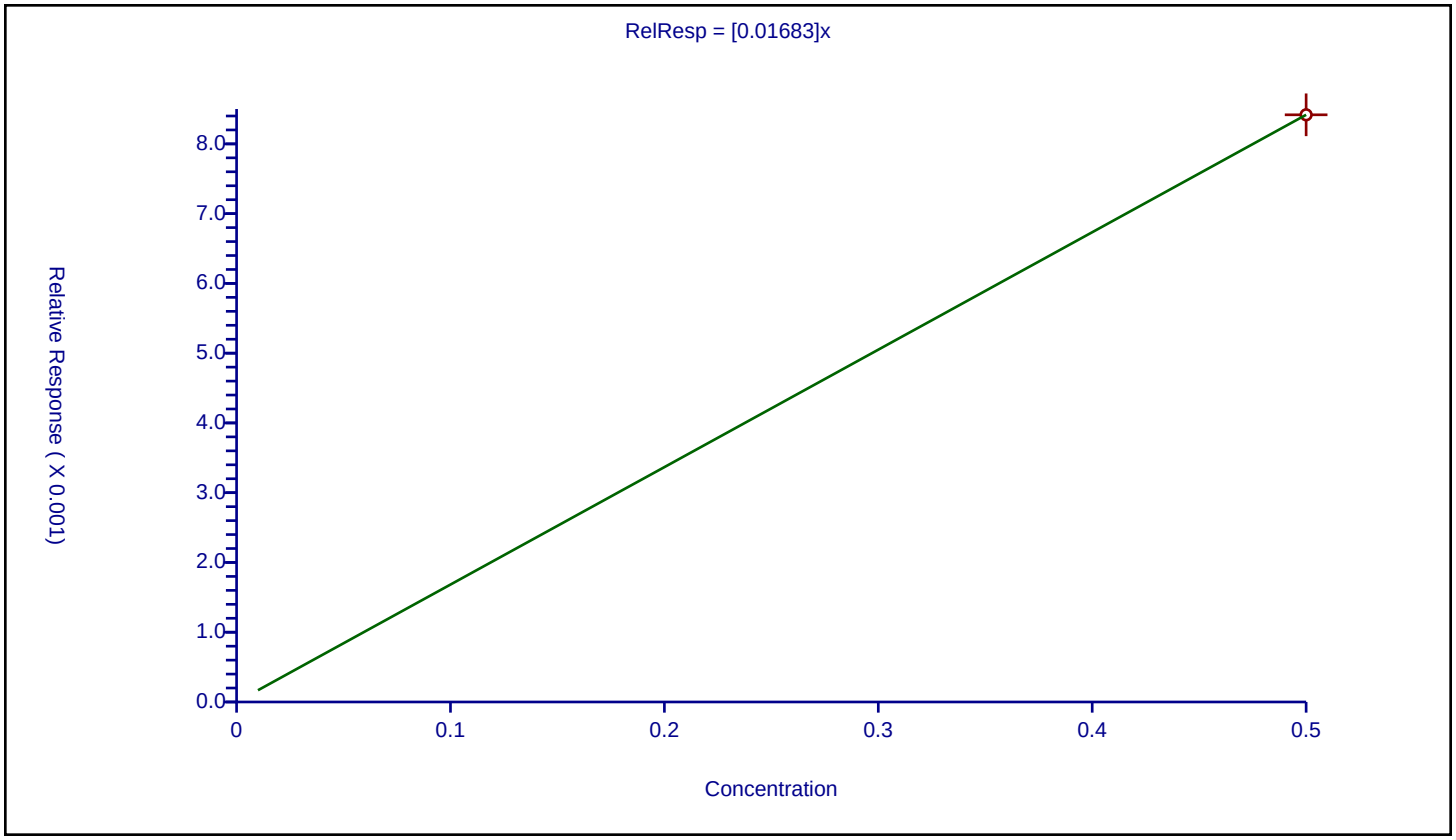
Curve Coefficients

Intercept:	0
Slope:	0.01683

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.008417	0.1	206832718.0	0.016834	Y



Calibration / PCB-1248 Peak 3

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

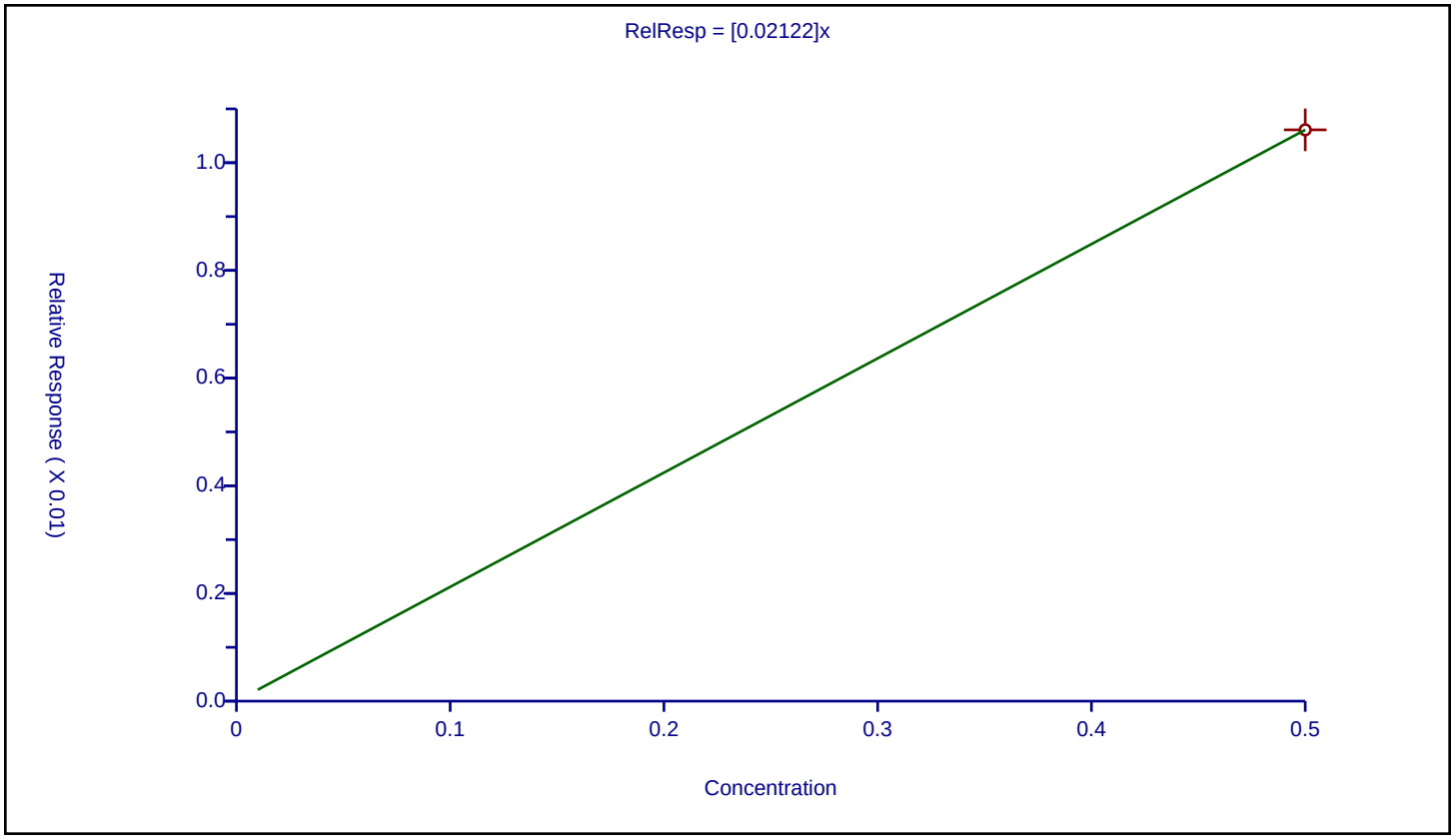
Curve Coefficients

Intercept:	0
Slope:	0.02122

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.010611	0.1	206832718.0	0.021222	Y



Calibration / PCB-1248 Peak 4

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

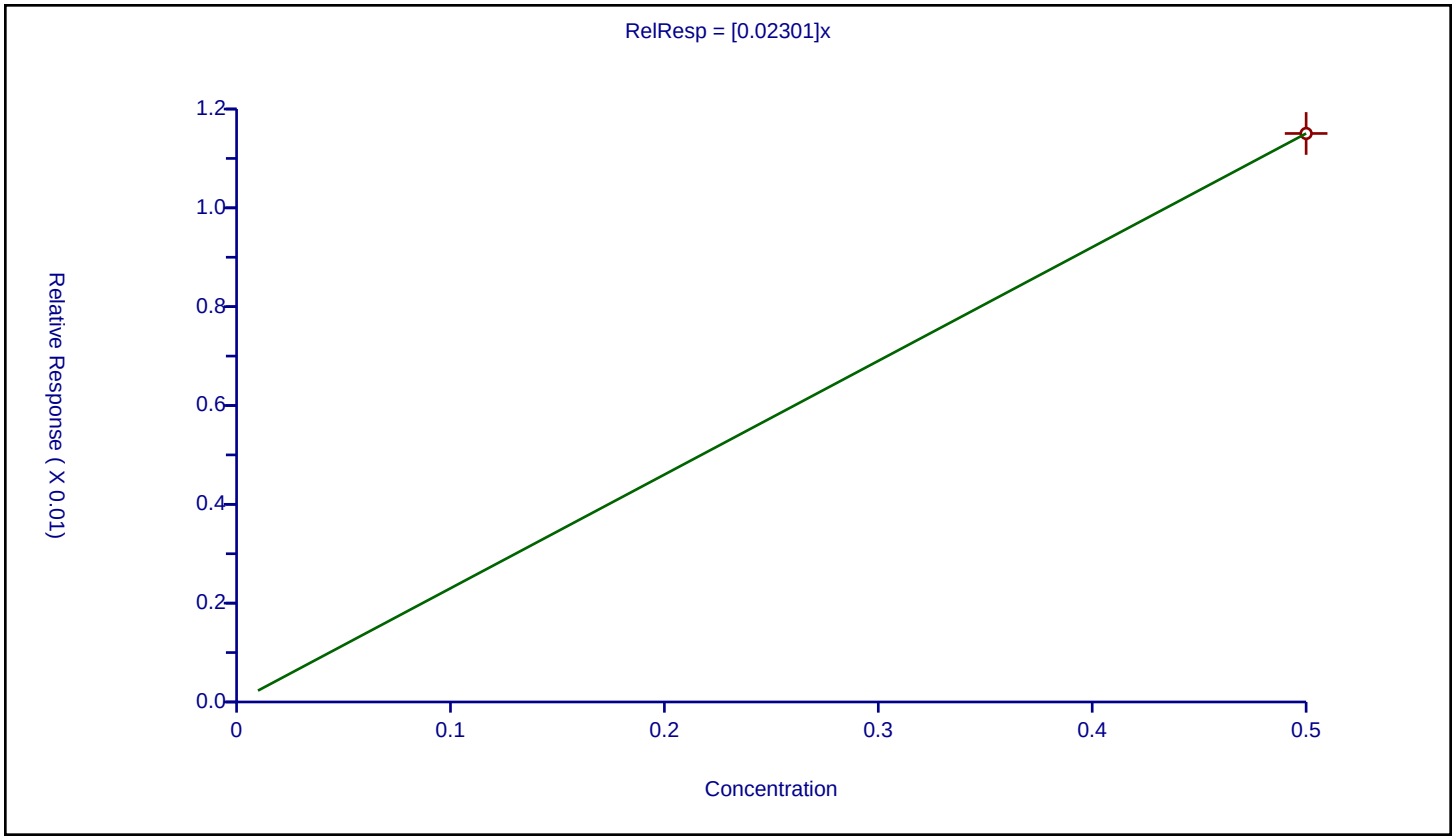
Curve Coefficients

Intercept:	0
Slope:	0.02301

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.011505	0.1	206832718.0	0.02301	Y



Calibration / PCB-1248 Peak 5

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

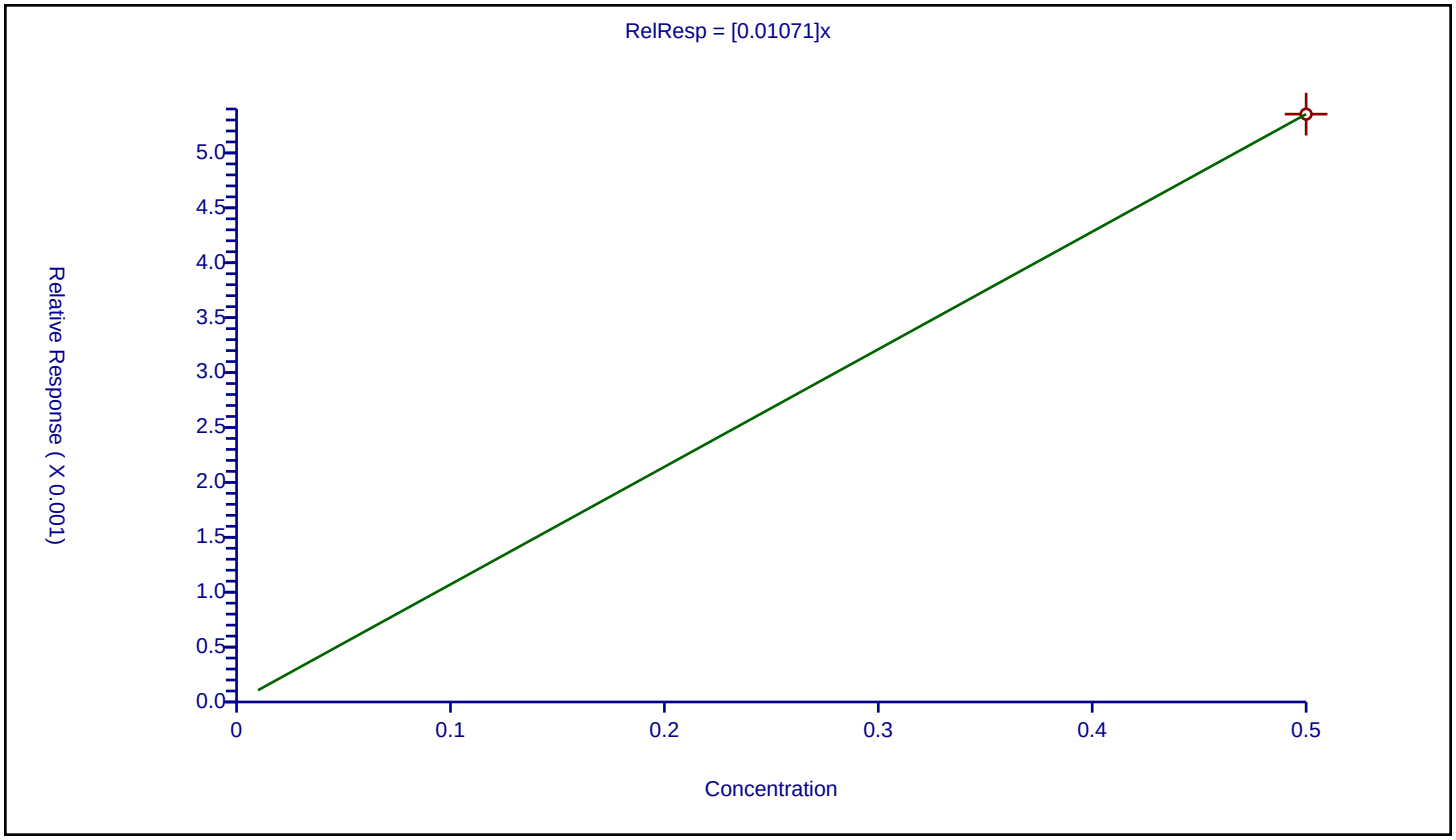
Curve Coefficients

Intercept:	0
Slope:	0.01071

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.005353	0.1	206832718.0	0.010707	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48818

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0079					Ave		0.0079						20.0			
PCB-1248 Peak 2	0.0145					Ave		0.0145						20.0			
PCB-1248 Peak 3	0.0178					Ave		0.0178						20.0			
PCB-1248 Peak 4	0.0199					Ave		0.0199						20.0			
PCB-1248 Peak 5	0.0136					Ave		0.0136						20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48818

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	10785004					0.500				
PCB-1248 Peak 2	BNB	Ave	19646682					0.500				
PCB-1248 Peak 3	BNB	Ave	24129847					0.500				
PCB-1248 Peak 4	BNB	Ave	26974746					0.500				
PCB-1248 Peak 5	BNB	Ave	18383763					0.500				

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 08:49 Calibration End Date: 06/16/2022 08:49 Calibration ID: 48818

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/4	06160004.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #						LVL 1					
PCB-1248 Peak 1	0.0						50					
PCB-1248 Peak 2	0.0						50					
PCB-1248 Peak 3	0.0						50					
PCB-1248 Peak 4	0.0						50					
PCB-1248 Peak 5	0.0						50					

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2022 08:49:25 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-004
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub8

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:01 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:34:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	206832718H	0.1000	0.1000	
2	2.948	2.949	-0.002	271329762H	0.1000	0.1000	
7 PCB-1248							
1	4.047	4.047	0.000	9943527H	0.5000	0.5000	
1	4.949	4.949	0.000	17409241H	0.5000	0.5000	
1	5.246	5.246	0.000	21946657H	0.5000	0.5000	
1	5.849	5.849	0.000	23795921H	0.5000	0.5000	
1	6.845	6.845	0.000	11072634H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.895	4.895	0.000	10785004H	0.5000	0.5000	
2	6.074	6.074	0.000	19646682H	0.5000	0.5000	
2	6.536	6.536	0.000	24129847H	0.5000	0.5000	
2	7.309	7.309	0.000	26974746H	0.5000	0.5000	
2	7.767	7.767	0.000	18383763H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
* 12 PCB-205 (IS)							
1	10.955	10.957	-0.002	136466401H	0.1000	0.1000	
2	12.307	12.308	-0.001	154921196H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCAR1248CALL4_00029	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:02 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160004.D

Injection Date: 16-Jun-2022 08:49:25 Instrument ID: CHGC20

Lims ID: IC

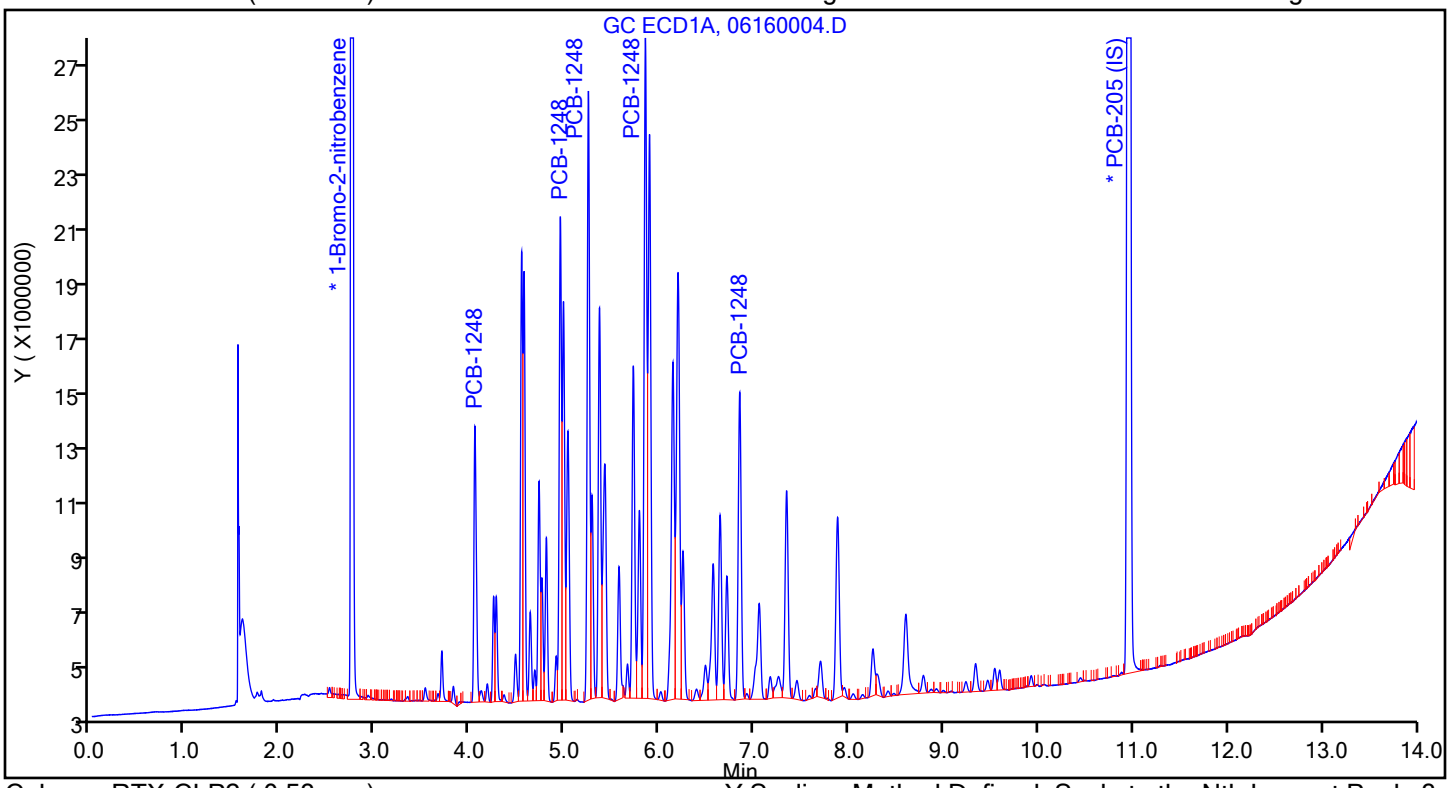
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

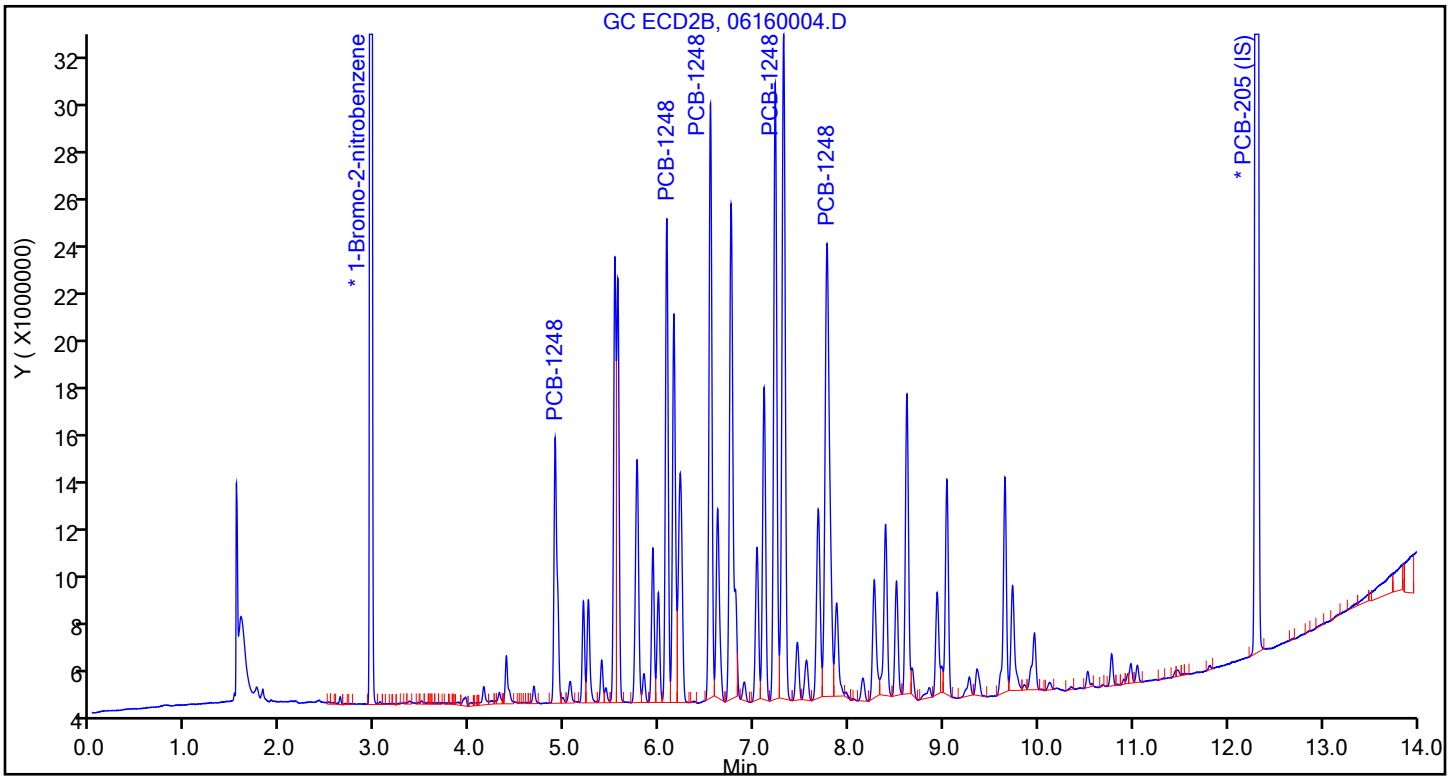
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / PCB-1248 Peak 1

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

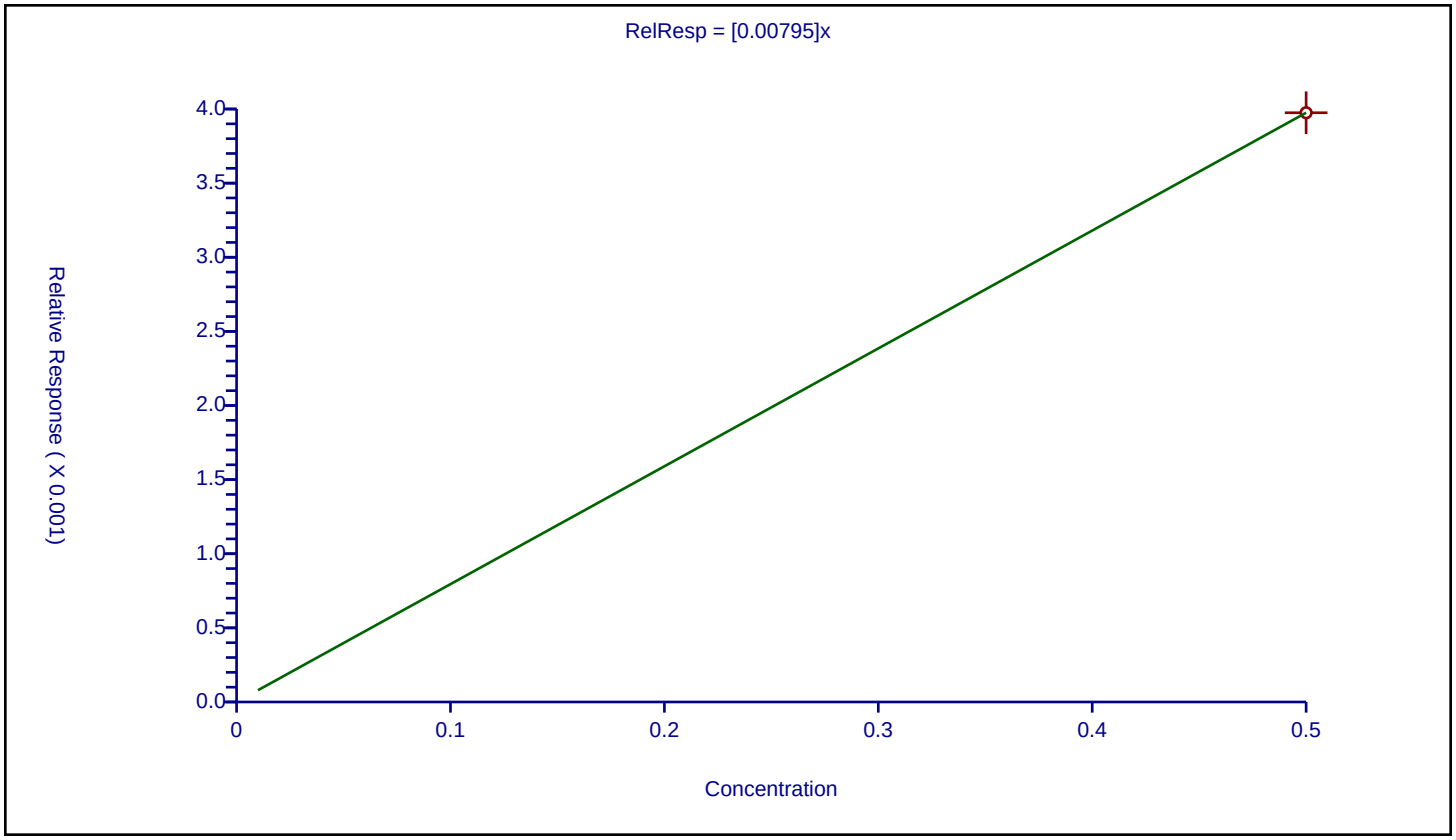
Curve Coefficients

Intercept:	0
Slope:	0.00795

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.003975	0.1	271329762.0	0.00795	Y



Calibration / PCB-1248 Peak 2

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

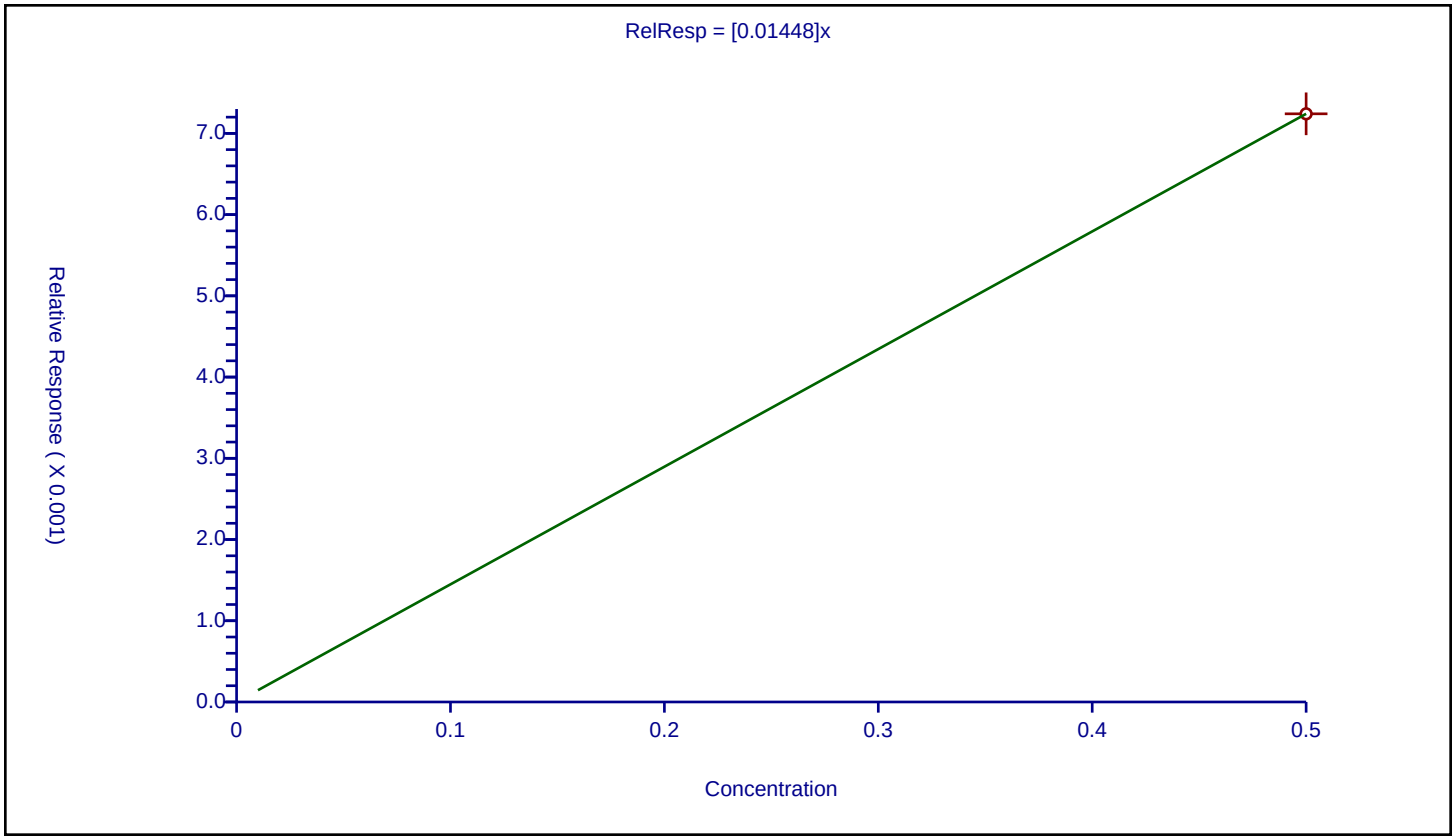
Curve Coefficients

Intercept:	0
Slope:	0.01448

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.007241	0.1	271329762.0	0.014482	Y



Calibration / PCB-1248 Peak 3

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

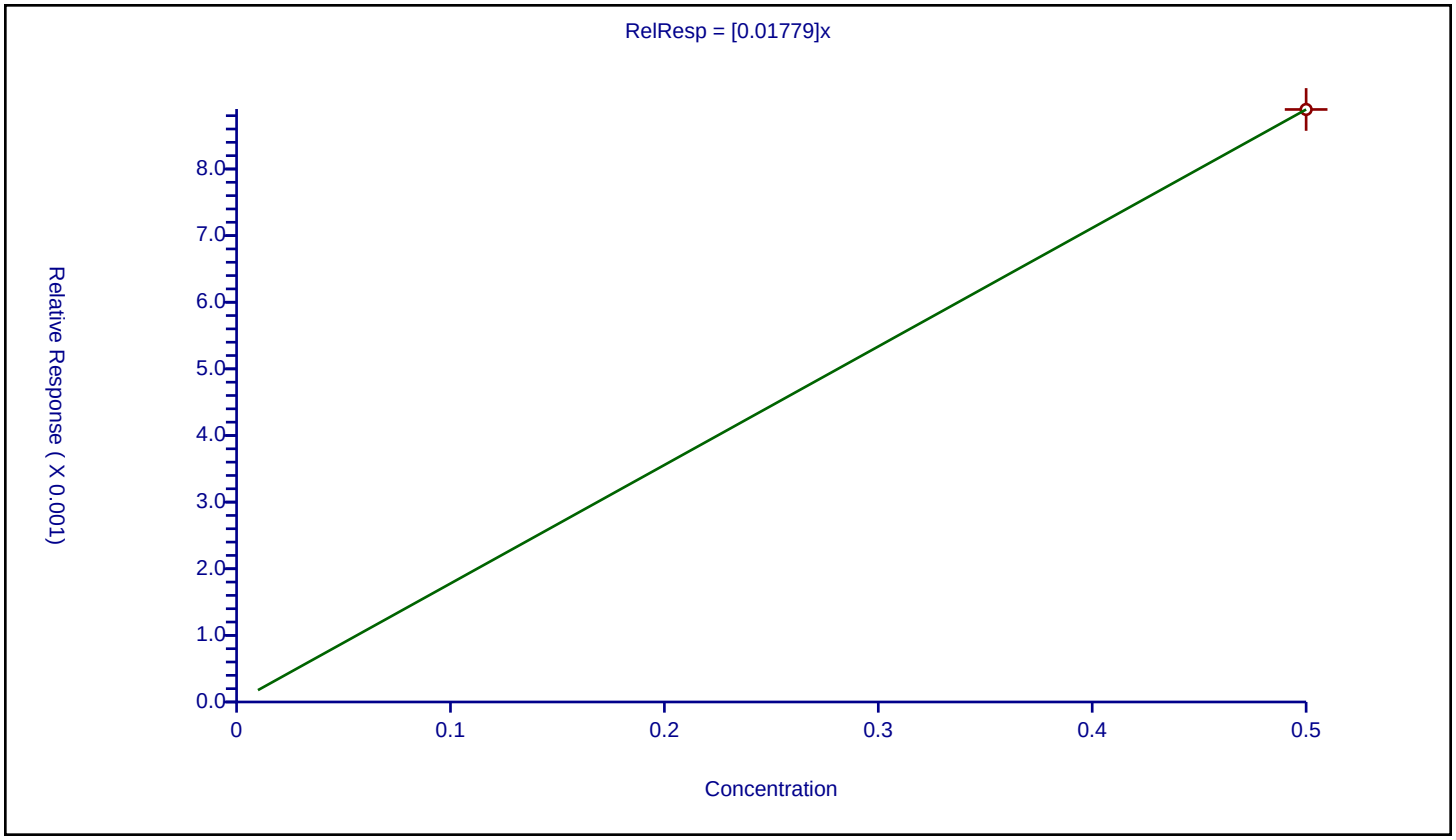
Curve Coefficients

Intercept:	0
Slope:	0.01779

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.008893	0.1	271329762.0	0.017786	Y



Calibration / PCB-1248 Peak 4

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

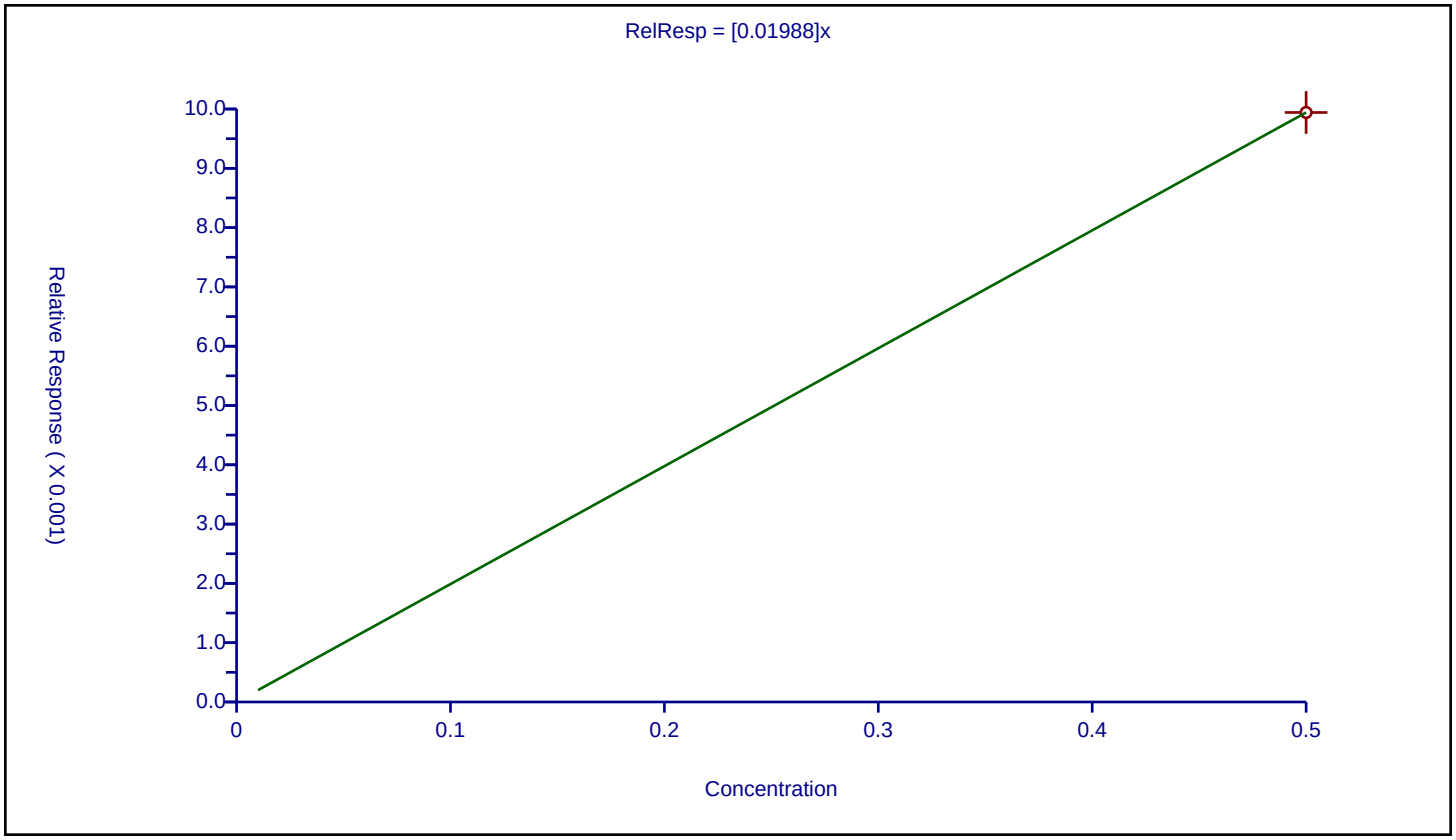
Curve Coefficients

Intercept:	0
Slope:	0.01988

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.009942	0.1	271329762.0	0.019883	Y



Calibration / PCB-1248 Peak 5

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

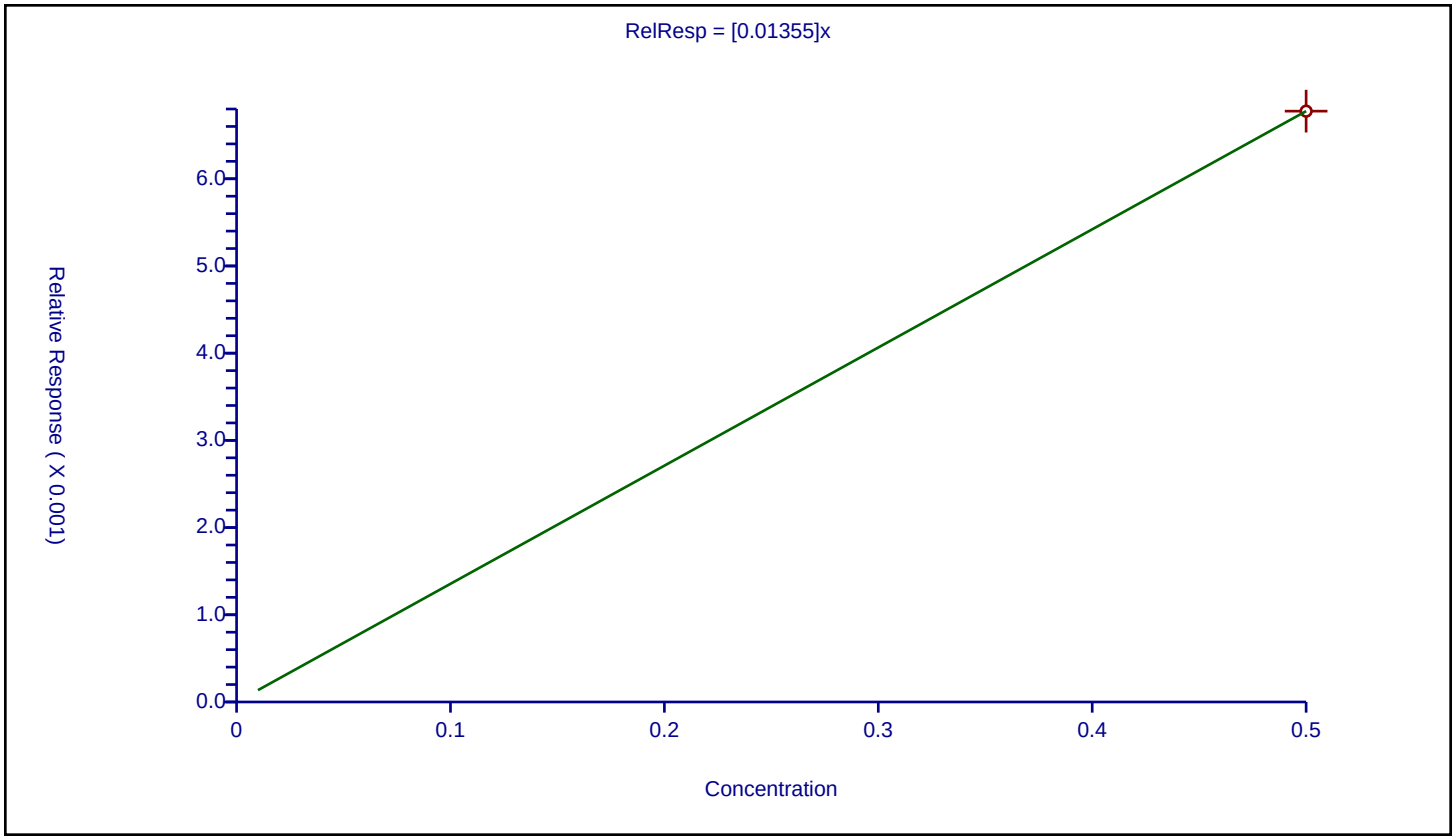
Curve Coefficients

Intercept:	0
Slope:	0.01355

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/4	0.5	0.006775	0.1	271329762.0	0.013551	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48793

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.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								
PCB-1016 Peak 1	0.0182 0.0131	0.0168 0.0128	0.0160	0.0144	0.0142	Ave		0.0151				13.3		20.0			
PCB-1016 Peak 2	0.0247 0.0188	0.0236 0.0183	0.0227	0.0207	0.0202	Ave		0.0213				11.3		20.0			
PCB-1016 Peak 3	0.0258 0.0178	0.0209 0.0178	0.0200	0.0185	0.0183	Ave		0.0199				14.4		20.0			
PCB-1016 Peak 4	0.0144 0.0128	0.0142 0.0130	0.0138	0.0130	0.0133	Ave		0.0135				4.7		20.0			
PCB-1016 Peak 5	0.0175 0.0146	0.0168 0.0144	0.0159	0.0148	0.0150	Ave		0.0156				7.8		20.0			
PCB-1260 Peak 1	0.0411 0.0341	0.0392 0.0343	0.0379	0.0357	0.0354	Ave		0.0368				7.2		20.0			
PCB-1260 Peak 2	0.0520 0.0469	0.0505 0.0464	0.0506	0.0467	0.0481	Ave		0.0487				4.6		20.0			
PCB-1260 Peak 3	0.0381 0.0329	0.0352 0.0337	0.0364	0.0337	0.0345	Ave		0.0349				5.2		20.0			
PCB-1260 Peak 4	0.0867 0.0831	0.0822 0.0838	0.0861	0.0800	0.0850	Ave		0.0838				2.8		20.0			
PCB-1260 Peak 5	0.0537 0.0433	0.0448 0.0430	0.0450	0.0420	0.0435	Ave		0.0450				8.8		20.0			
Tetrachloro-m-xylene (Surr)	0.8936 0.9445	0.9272 0.9878	0.9377	0.8975	0.9582	Ave		0.9352				3.5		20.0			
DCB Decachlorobiphenyl (Surr)	0.8986 0.7466	0.8612 0.7704	0.8196	0.7747	0.7795	Ave		0.8072				6.8		20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48793

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
PCB-1016 Peak 1	BNB	Ave	402836 55868541	3521570 101813319	8513093	14660113	30037166	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 2	BNB	Ave	546968 80249762	4935411 146442607	12098788	21013843	42718198	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 3	BNB	Ave	572108 76155733	4378750 142345223	10691167	18789658	38780387	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 4	BNB	Ave	318988 54478336	2966160 103911529	7375223	13189296	28051247	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 5	BNB	Ave	388481 62140068	3527759 115080635	8503504	15035666	31689485	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 1	PCB205	Ave	589996 97786666	5345319 187600864	13209789	23639858	48820334	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 2	PCB205	Ave	745711 134433457	6881100 253639448	17625919	30950825	66277413	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 3	PCB205	Ave	546973 94445137	4802273 184127285	12692727	22292737	47551183	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 4	PCB205	Ave	1244651 238425743	11192889 457898042	29992374	52948628	117164807	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 5	PCB205	Ave	770716 124071483	6109537 235060778	15659913	27786279	59925877	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
Tetrachloro-m-xylene (Surr)	BNB	Ave	990454 201553135	9712843 394207132	25018095	45623440	101422310	0.000500 0.100	0.00500 0.200	0.0125	0.0250	0.0500

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48793

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
DCB Decachlorobiphenyl (Surr)	PCB205	Ave	644706 107079821	5867097 210597878	14273506	25647498	53704692	0.000500 0.100	0.00500 0.200	0.0125	0.0250	0.0500

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48793

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.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
PCB-1016 Peak 1	20.7 -15.3	11.6	6.0	-4.2	-5.8	-13.1	50 30	30	30	30	30	30
PCB-1016 Peak 2	16.0 -13.7	10.7	6.6	-2.8	-5.1	-11.6	50 30	30	30	30	30	30
PCB-1016 Peak 3	29.8 -10.3	5.1	0.7	-7.1	-7.9	-10.3	50 30	30	30	30	30	30
PCB-1016 Peak 4	6.7 -3.4	5.0	2.5	-3.8	-1.7	-5.3	50 30	30	30	30	30	30
PCB-1016 Peak 5	12.5 -7.4	8.1	2.3	-5.1	-3.9	-6.5	50 30	30	30	30	30	30
PCB-1260 Peak 1	11.6 -6.8	6.5	3.0	-3.1	-3.8	-7.4	50 30	30	30	30	30	30
PCB-1260 Peak 2	6.6 -4.8	3.6	3.8	-4.1	-1.3	-3.8	50 30	30	30	30	30	30
PCB-1260 Peak 3	9.1 -3.6	0.9	4.3	-3.6	-1.2	-5.8	50 30	30	30	30	30	30
PCB-1260 Peak 4	3.5 -0.1	-2.0	2.7	-4.6	1.4	-0.9	50 30	30	30	30	30	30
PCB-1260 Peak 5	19.3 -4.5	-0.4	-0.2	-6.8	-3.4	-3.9	50 30	30	30	30	30	30
Tetrachloro-m-xylene (Surr)	-4.5 5.6	-0.9	0.3	-4.0	2.5	1.0	50 30	30	30	30	30	30
DCB Decachlorobiphenyl (Surr)	11.3 -4.6	6.7	1.5	-4.0	-3.4	-7.5	50 30	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Jun-2022 09:08:25 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-005
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:05 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:40:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	221685489H	0.1000	0.1000	
2	2.948	2.949	-0.001	286834937H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.371	3.374	-0.003	990454H	0.000500	0.000478	
2	3.830	3.831	-0.001	1221614H	0.000500	0.000466	
						RPD = 2.48	
5 PCB-1016							M
1	3.696	3.699	-0.003	402836H	0.0100	0.0121	M
1	4.047	4.050	-0.003	546968H	0.0100	0.0116	
1	4.725	4.727	-0.002	572108H	0.0100	0.0130	
1	4.801	4.804	-0.003	318988H	0.0100	0.0107	
1	5.246	5.249	-0.003	388481H	0.0100	0.0113	
		Average of Peak Amounts =				0.0117	
2	4.378	4.379	-0.001	344604H	0.0100	0.009624	M
2	4.896	4.896	0.000	590683H	0.0100	0.0119	
2	5.763	5.763	0.000	561285H	0.0100	0.0122	
2	6.536	6.536	0.000	452105H	0.0100	0.0118	
2	7.302	7.304	-0.002	336691H	0.0100	0.0117	
		Average of Peak Amounts =				0.0114	
						RPD = 2.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	589996H	0.0100	0.0112	
1	7.696	7.696	0.000	745711H	0.0100	0.0107	
1	8.924	8.925	-0.001	546973H	0.0100	0.0109	
1	9.465	9.466	-0.001	1244651H	0.0100	0.0103	
1	9.925	9.927	-0.002	770716H	0.0100	0.0119	
		Average of Peak Amounts =				0.0110	
2	8.977	8.978	-0.001	669112H	0.0100	0.0111	
2	9.351	9.351	0.000	831162H	0.0100	0.0110	
2	10.569	10.569	0.000	551982H	0.0100	0.0100	
2	10.945	10.944	0.001	1269812H	0.0100	0.009868	
2	11.473	11.474	-0.001	665670H	0.0100	0.009614	
		Average of Peak Amounts =				0.0103	
						RPD = 6.40	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	143490695H	0.1000	0.1000	
2	12.307	12.308	-0.001	163833290H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.547	11.549	-0.002	644706H	0.000500	0.000557	
2	13.026	13.025	0.001	606404H	0.000500	0.000508	
						RPD = 9.08	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCAR1660CALL1_00036	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:07 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D

Injection Date: 16-Jun-2022 09:08:25 Instrument ID: CHGC20

Lims ID: IC

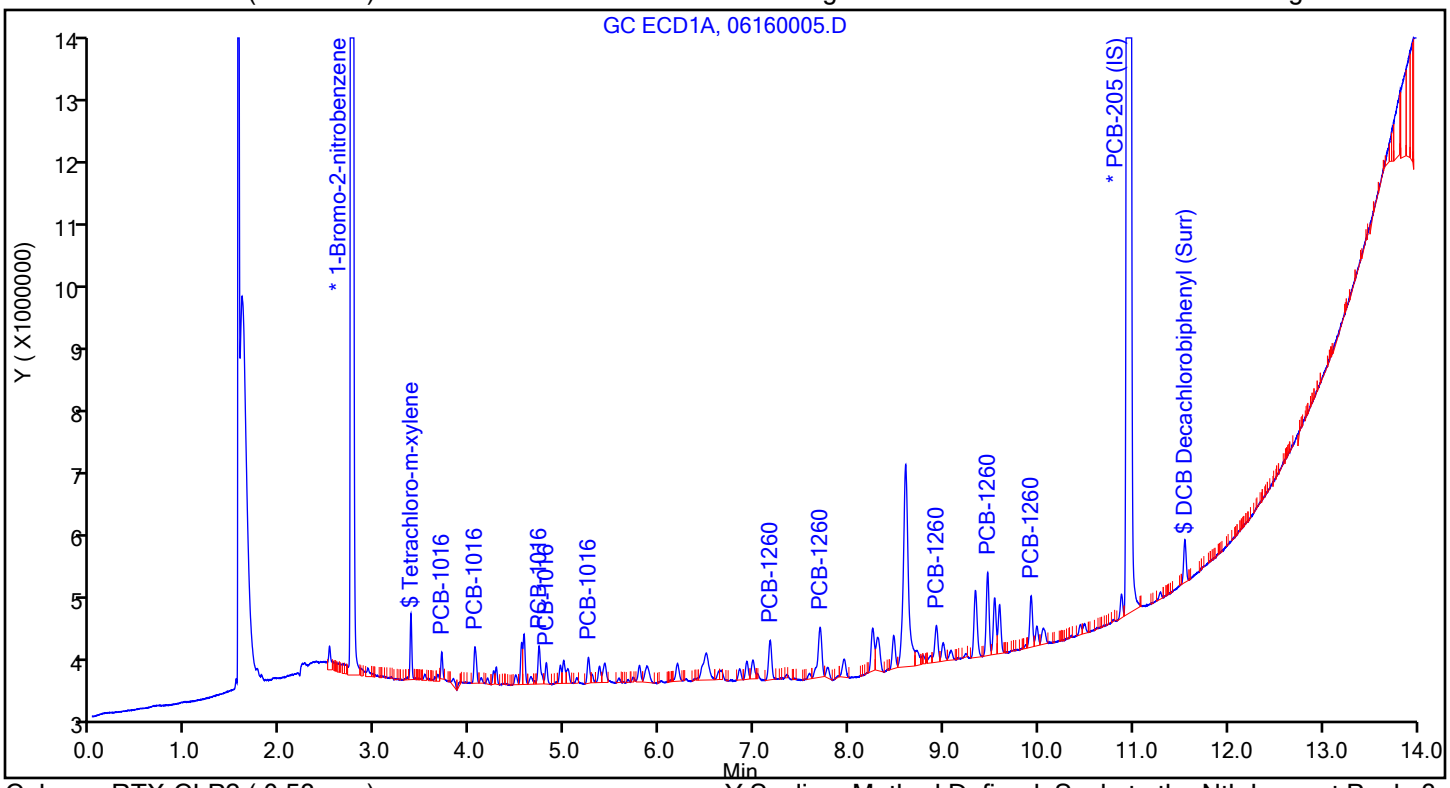
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

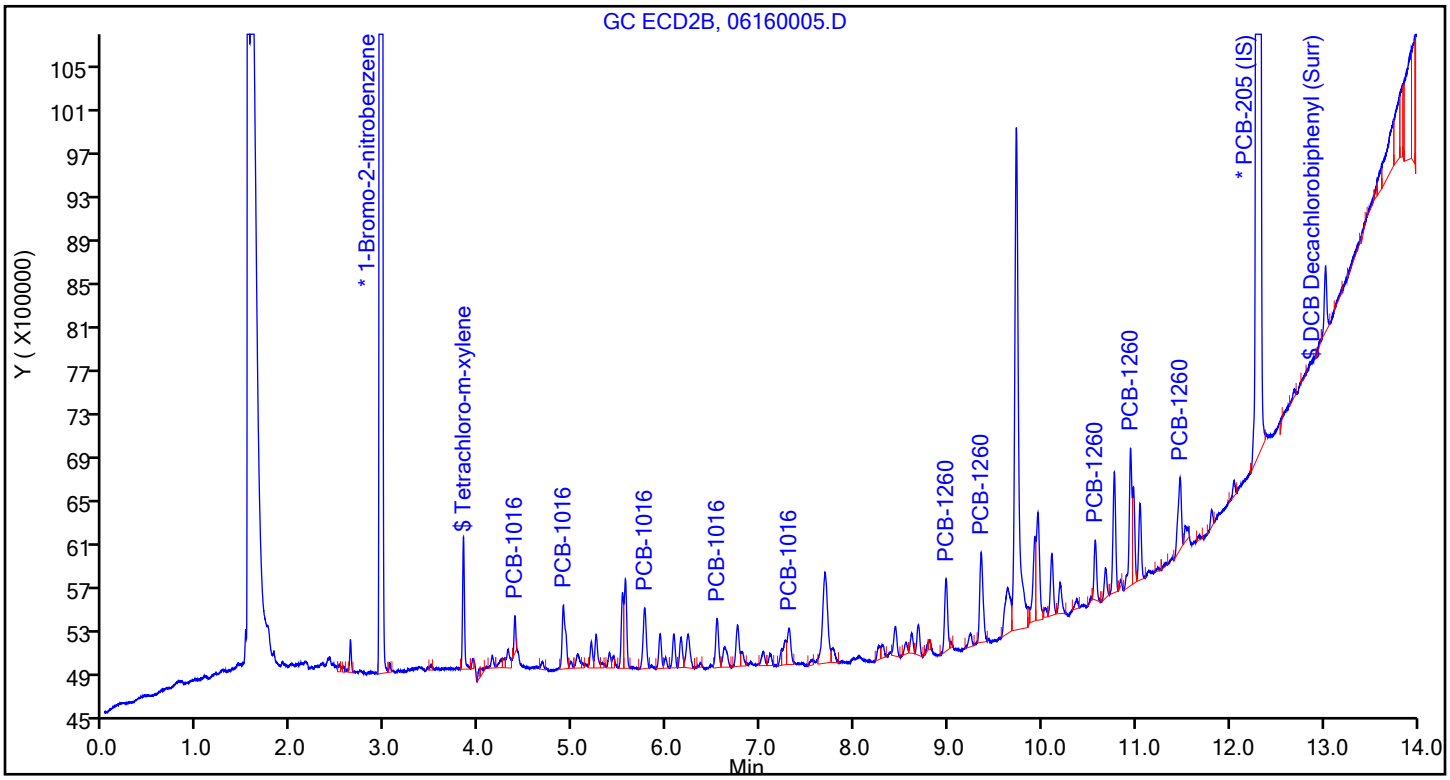
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Report Date: 17-Jun-2022 12:31:07 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D

Injection Date: 16-Jun-2022 09:08:25 Instrument ID: CHGC20

Lims ID: IC

Client ID:

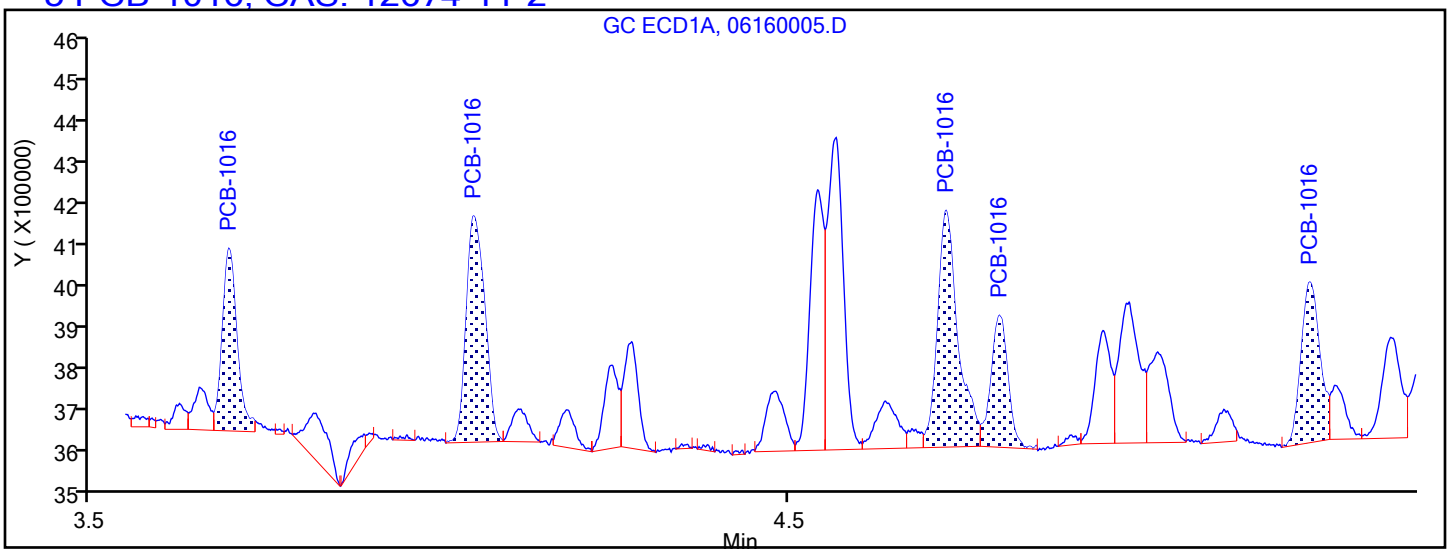
Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

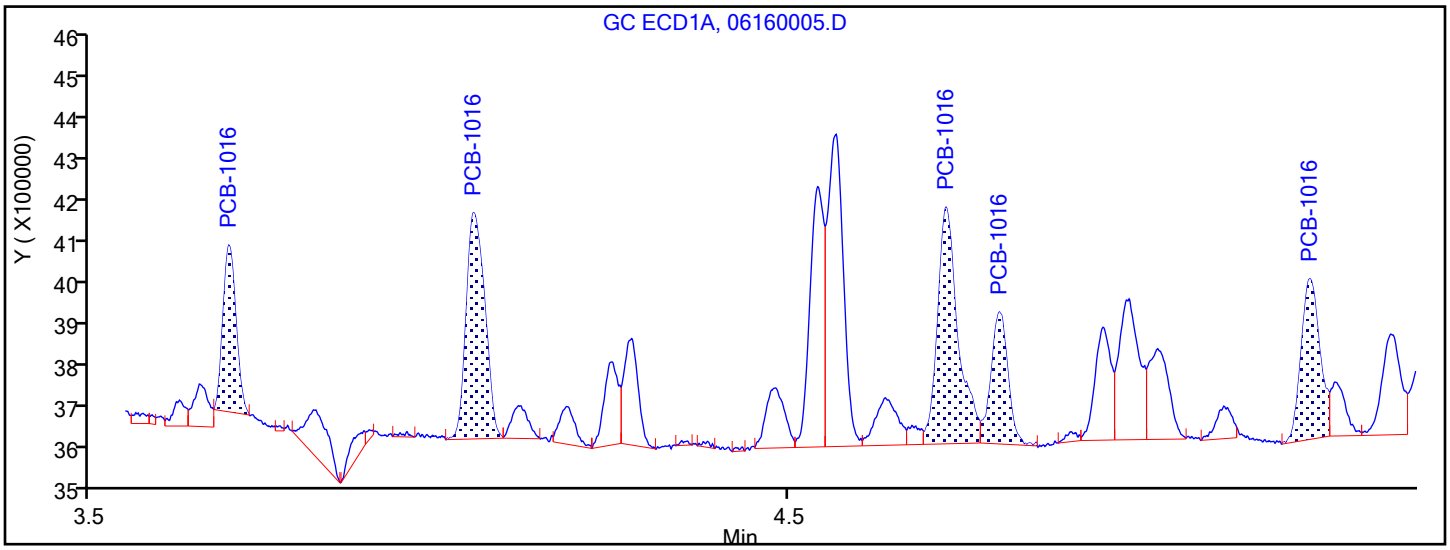
Column: RTX-CLP1 (0.53 mm) Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.696	Response = 440993
4.047	Response = 546968
4.725	Response = 572108
4.801	Response = 318988
5.246	Response = 388481



Manual Integration Results

3.696	Response = 402836	M
4.047	Response = 546968	
4.725	Response = 572108	
4.801	Response = 318988	
5.246	Response = 388481	

Reviewer: oravecj, 17-Jun-2022 06:00:34

Audit Action: Manually Integrated Audit Reason: Instrument noise

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Jun-2022 09:27:21 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-006
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:09 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:47:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	209505520H	0.1000	0.1000	
2	2.948	2.949	-0.001	273170118H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.371	3.374	-0.003	9712843H	0.005000	0.004957	
2	3.829	3.831	-0.002	12076425H	0.005000	0.004837	
						RPD = 2.45	
5 PCB-1016							
1	3.696	3.699	-0.003	3521570H	0.1000	0.1116	
1	4.048	4.050	-0.002	4935411H	0.1000	0.1107	
1	4.725	4.727	-0.002	4378750H	0.1000	0.1051	
1	4.801	4.804	-0.003	2966160H	0.1000	0.1050	
1	5.246	5.249	-0.003	3527759H	0.1000	0.1081	
		Average of Peak Amounts =				0.1081	
2	4.378	4.379	-0.001	3882437H	0.1000	0.1139	
2	4.896	4.896	0.000	5134138H	0.1000	0.1083	
2	5.762	5.763	-0.001	4584213H	0.1000	0.1045	
2	6.534	6.536	-0.002	3770392H	0.1000	0.1035	
2	7.302	7.304	-0.002	2856017H	0.1000	0.1043	
		Average of Peak Amounts =				0.1069	
						RPD = 1.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	5345319H	0.1000	0.1065	
1	7.693	7.696	-0.003	6881100H	0.1000	0.1036	
1	8.922	8.925	-0.003	4802273H	0.1000	0.1009	
1	9.464	9.466	-0.002	11192889H	0.1000	0.0980	
1	9.923	9.927	-0.004	6109537H	0.1000	0.0996	
		Average of Peak Amounts =				0.1017	
2	8.975	8.978	-0.003	5868434H	0.1000	0.1031	
2	9.349	9.351	-0.002	7367159H	0.1000	0.1035	
2	10.568	10.569	-0.001	5342614H	0.1000	0.1023	
2	10.944	10.944	0.000	11897374H	0.1000	0.0979	
2	11.473	11.474	-0.001	6531625H	0.1000	0.0999	
		Average of Peak Amounts =				0.1013	
						RPD = 0.38	
* 12 PCB-205 (IS)							
1	10.955	10.957	-0.002	136247471H	0.1000	0.1000	
2	12.306	12.308	-0.001	154749046H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.547	11.549	-0.002	5867097H	0.005000	0.005335	
2	13.023	13.025	-0.002	5880432H	0.005000	0.005218	
						RPD = 2.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL2_00025	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:10 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160006.D

Injection Date: 16-Jun-2022 09:27:21 Instrument ID: CHGC20

Lims ID: IC

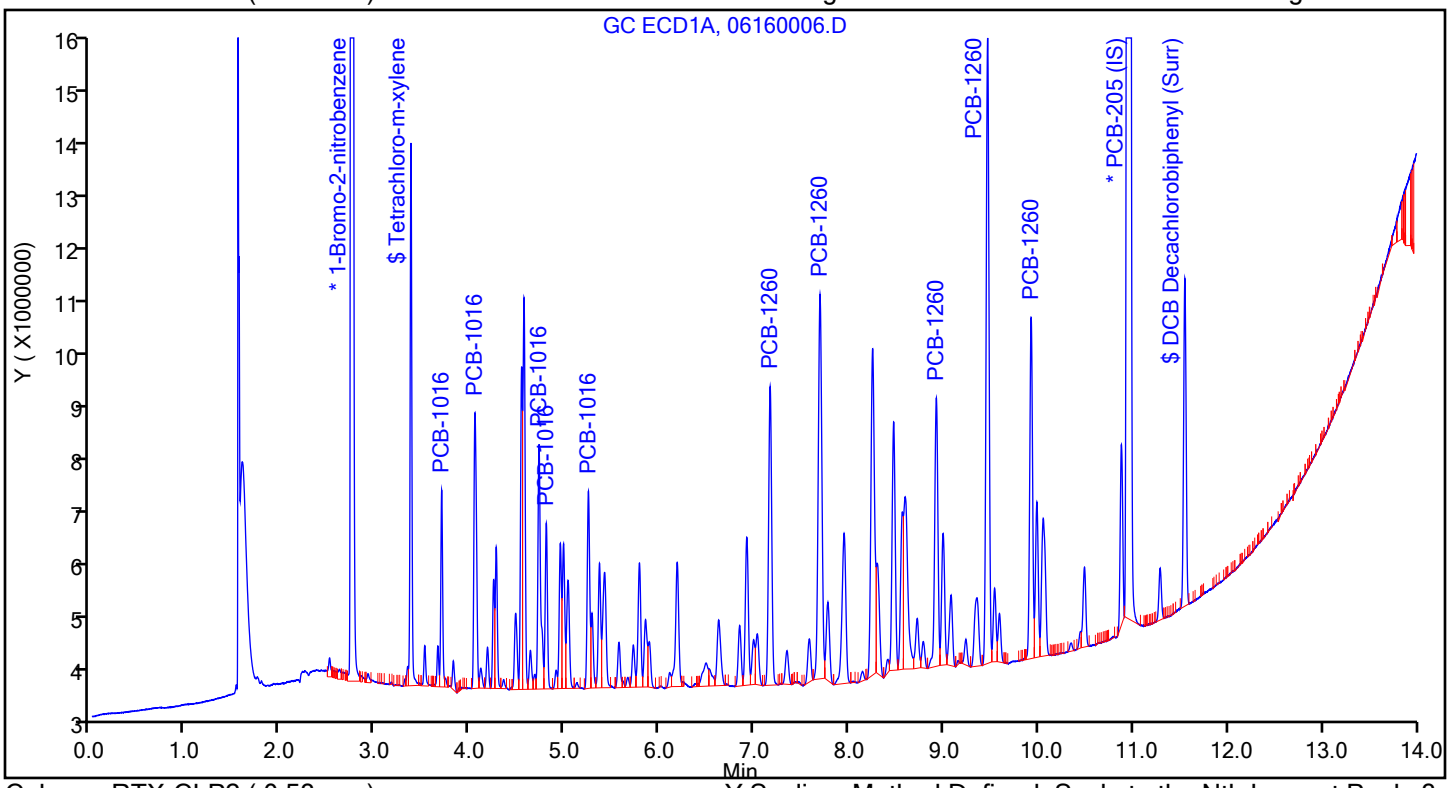
Client ID:

Operator ID: 402331 ALS Bottle#: 6 Worklist Smp#: 6

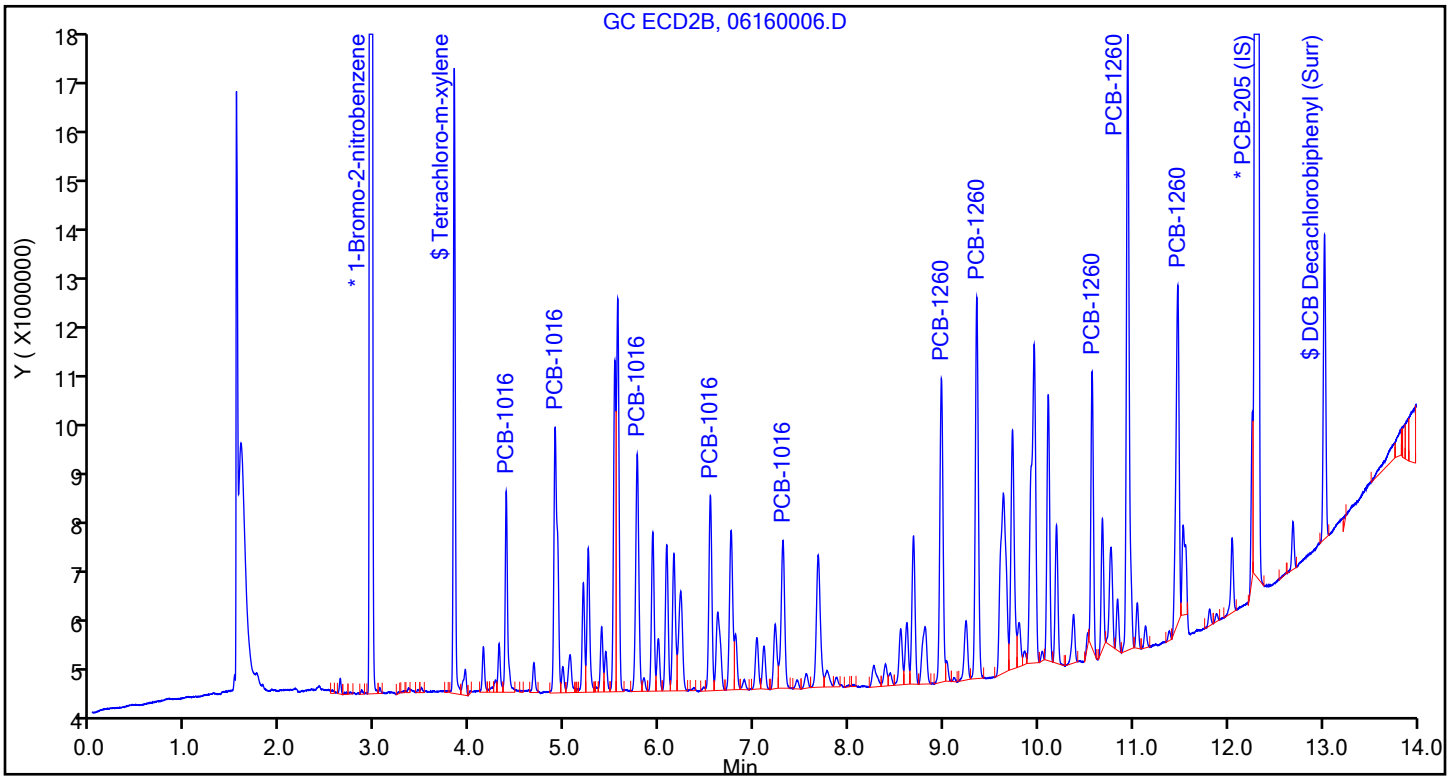
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Jun-2022 09:46:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-007
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:14 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:38:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	213442668H	0.1000	0.1000	
2	2.949	2.949	-0.001	276160769H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.373	3.374	-0.001	25018095H	0.0125	0.0125	
2	3.830	3.831	-0.001	31585041H	0.0125	0.0125	
						RPD = 0.15	
5 PCB-1016							
1	3.697	3.699	-0.002	8513093H	0.2500	0.2649	
1	4.049	4.050	-0.001	12098788H	0.2500	0.2665	
1	4.725	4.727	-0.002	10691167H	0.2500	0.2518	
1	4.803	4.804	-0.001	7375223H	0.2500	0.2563	
1	5.247	5.249	-0.002	8503504H	0.2500	0.2558	
		Average of Peak Amounts =				0.2591	
2	4.379	4.379	0.000	9509128H	0.2500	0.2758	
2	4.894	4.896	-0.002	12454457H	0.2500	0.2599	
2	5.762	5.763	-0.001	11110265H	0.2500	0.2505	
2	6.534	6.536	-0.002	9322383H	0.2500	0.2532	
2	7.302	7.304	-0.002	6998320H	0.2500	0.2529	
		Average of Peak Amounts =				0.2585	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	13209789H	0.2500	0.2574	
1	7.695	7.696	-0.001	17625919H	0.2500	0.2596	
1	8.924	8.925	-0.001	12692727H	0.2500	0.2607	
1	9.464	9.466	-0.002	29992374H	0.2500	0.2568	
1	9.924	9.927	-0.003	15659913H	0.2500	0.2496	
		Average of Peak Amounts =				0.2568	
2	8.978	8.978	0.000	14979086H	0.2500	0.2580	
2	9.350	9.351	-0.001	18631367H	0.2500	0.2567	
2	10.569	10.569	0.000	13825071H	0.2500	0.2598	
2	10.944	10.944	0.000	31068525H	0.2500	0.2507	
2	11.472	11.474	-0.002	17316690H	0.2500	0.2597	
		Average of Peak Amounts =				0.2570	
						RPD = 0.07	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	139326719H	0.1000	0.1000	
2	12.306	12.308	-0.002	157769642H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	14273506H	0.0125	0.0127	
2	13.024	13.025	-0.001	14866548H	0.0125	0.0129	
						RPD = 1.93	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL3_00024	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:15 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160007.D

Injection Date: 16-Jun-2022 09:46:30 Instrument ID: CHGC20

Lims ID: IC

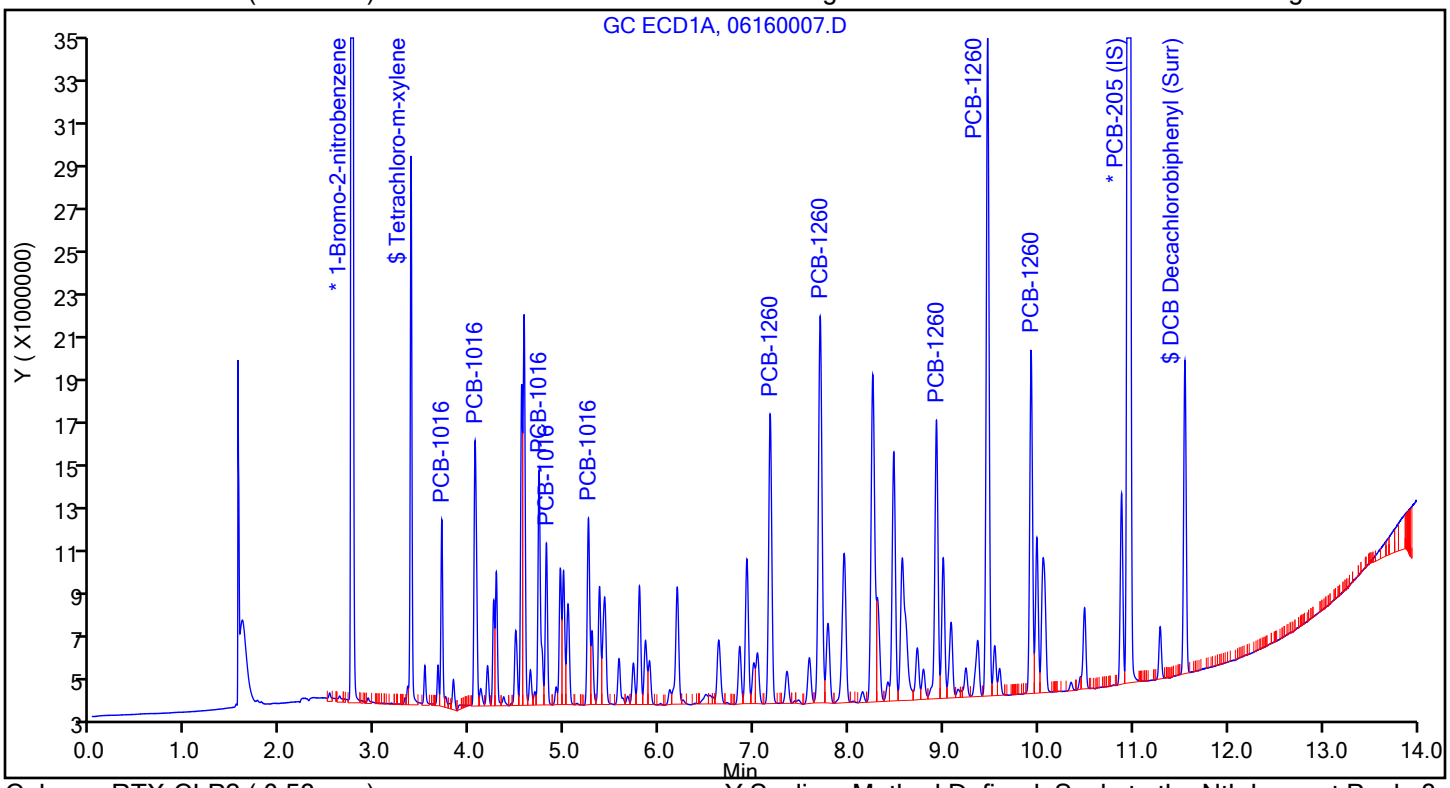
Client ID:

Operator ID: 402331 ALS Bottle#: 7 Worklist Smp#: 7

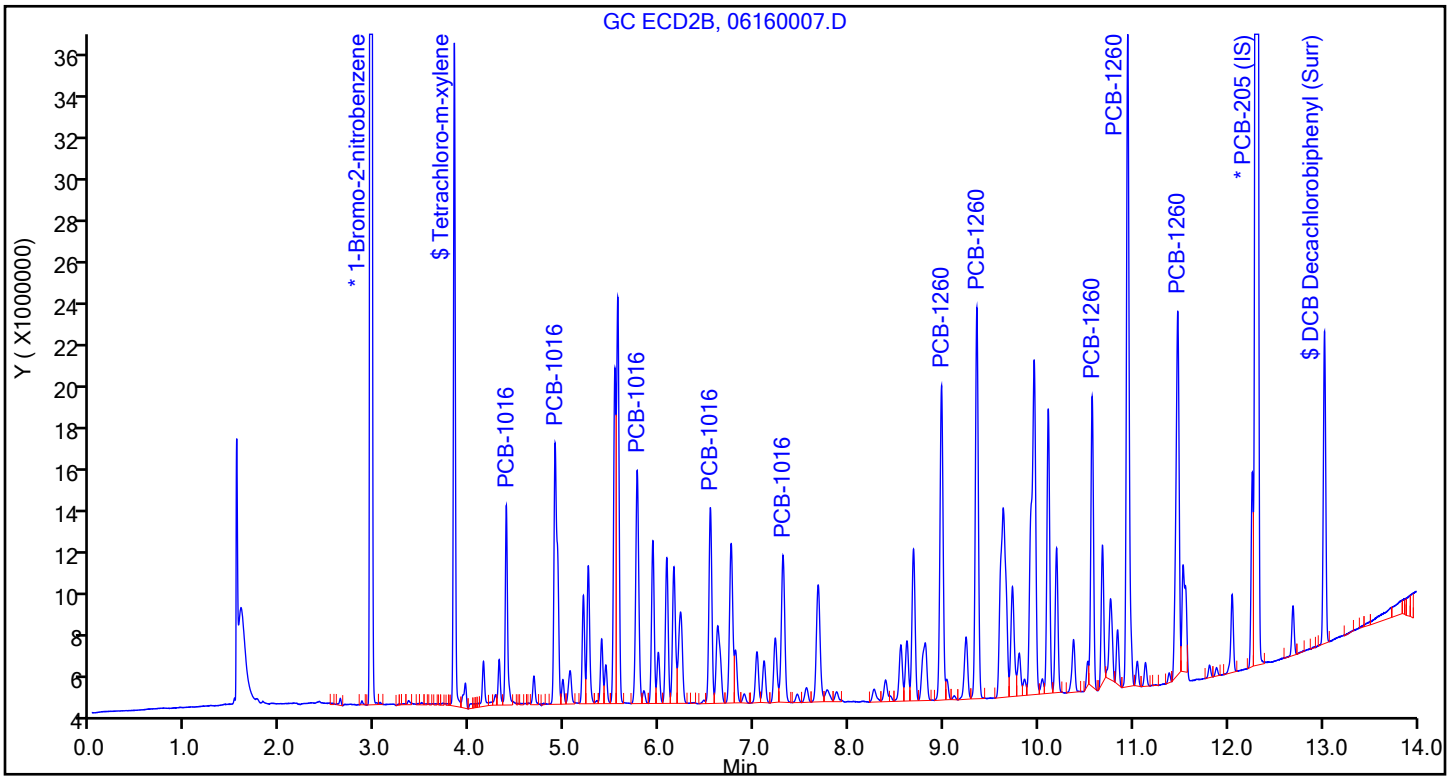
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160008.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 16-Jun-2022 10:05:40 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-008
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:19 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:37:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	0.000	203327940H	0.1000	0.1000	
2	2.949	2.949	0.000	262339113H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.374	3.374	0.000	45623440H	0.0250	0.0240	
2	3.831	3.831	0.000	58130445H	0.0250	0.0242	
						RPD = 1.05	
5 PCB-1016							
1	3.699	3.699	0.000	14660113H	0.5000	0.4789	
1	4.050	4.050	0.000	21013843H	0.5000	0.4859	
1	4.727	4.727	0.000	18789658H	0.5000	0.4646	
1	4.804	4.804	0.000	13189296H	0.5000	0.4811	
1	5.249	5.249	0.000	15035666H	0.5000	0.4747	
		Average of Peak Amounts =				0.4771	
2	4.379	4.379	0.000	16215130H	0.5000	0.4951	
2	4.896	4.896	0.000	22042105H	0.5000	0.4843	
2	5.763	5.763	0.000	19622029H	0.5000	0.4658	
2	6.536	6.536	0.000	16426401H	0.5000	0.4697	
2	7.304	7.304	0.000	12344893H	0.5000	0.4696	
		Average of Peak Amounts =				0.4769	
						RPD = 0.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.169	7.169	0.000	23639858H	0.5000	0.4847	
1	7.696	7.696	0.000	30950825H	0.5000	0.4795	
1	8.925	8.925	0.000	22292737H	0.5000	0.4818	
1	9.466	9.466	0.000	52948628H	0.5000	0.4769	
1	9.927	9.927	0.000	27786279H	0.5000	0.4659	
		Average of Peak Amounts =				0.4778	
2	8.978	8.978	0.000	26833333H	0.5000	0.4829	
2	9.351	9.351	0.000	33257330H	0.5000	0.4788	
2	10.569	10.569	0.000	24126892H	0.5000	0.4736	
2	10.944	10.944	0.000	55977811H	0.5000	0.4719	
2	11.474	11.474	0.000	30871782H	0.5000	0.4837	
		Average of Peak Amounts =				0.4782	
						RPD = 0.09	
* 12 PCB-205 (IS)							
1	10.957	10.957	0.000	132428327H	0.1000	0.1000	
2	12.308	12.308	0.000	151013199H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	25647498H	0.0250	0.0240	
2	13.025	13.025	0.000	26972155H	0.0250	0.0245	
						RPD = 2.20	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL4_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:19 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160008.D

Injection Date: 16-Jun-2022 10:05:40 Instrument ID: CHGC20

Lims ID: ICIS

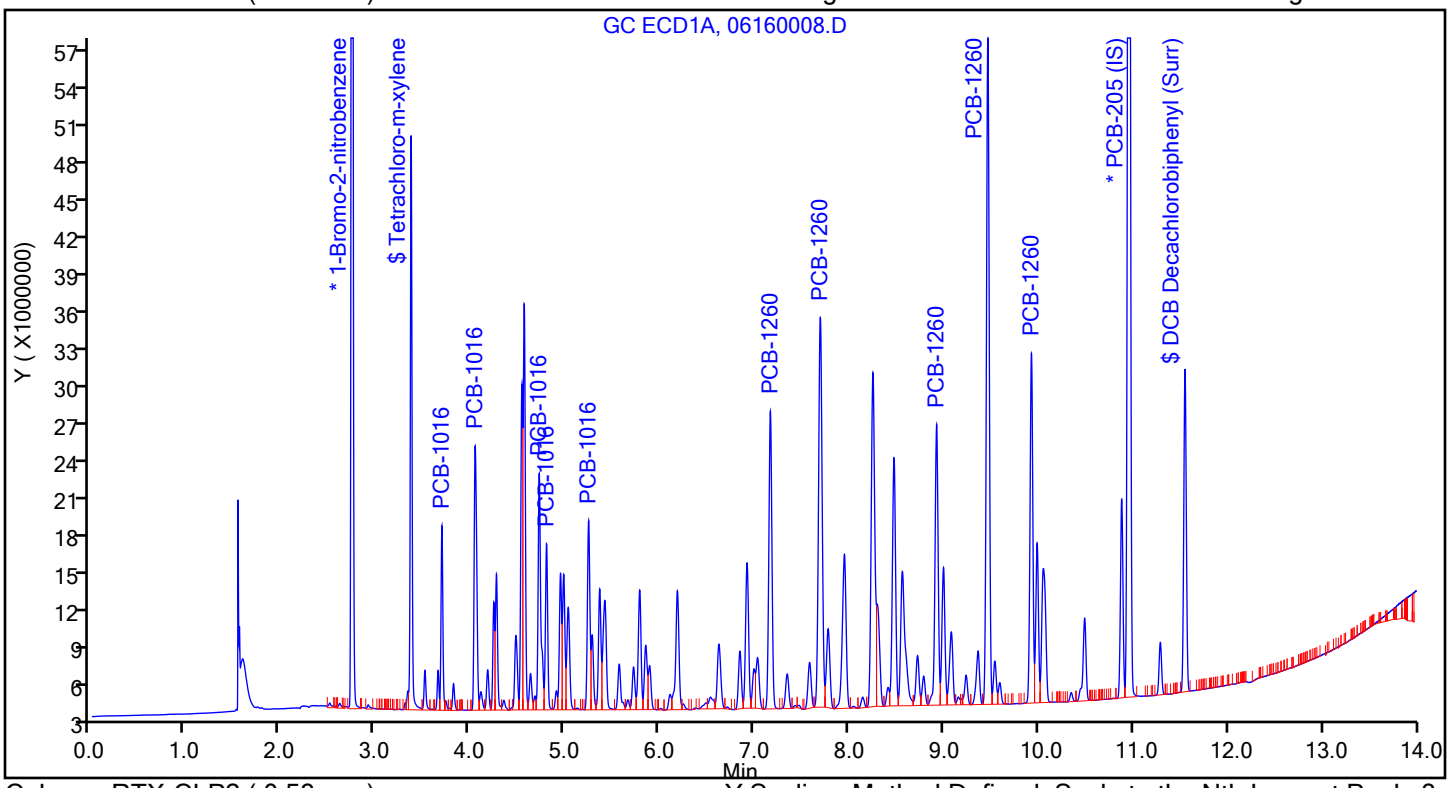
Client ID:

Operator ID: 402331 ALS Bottle#: 8 Worklist Smp#: 8

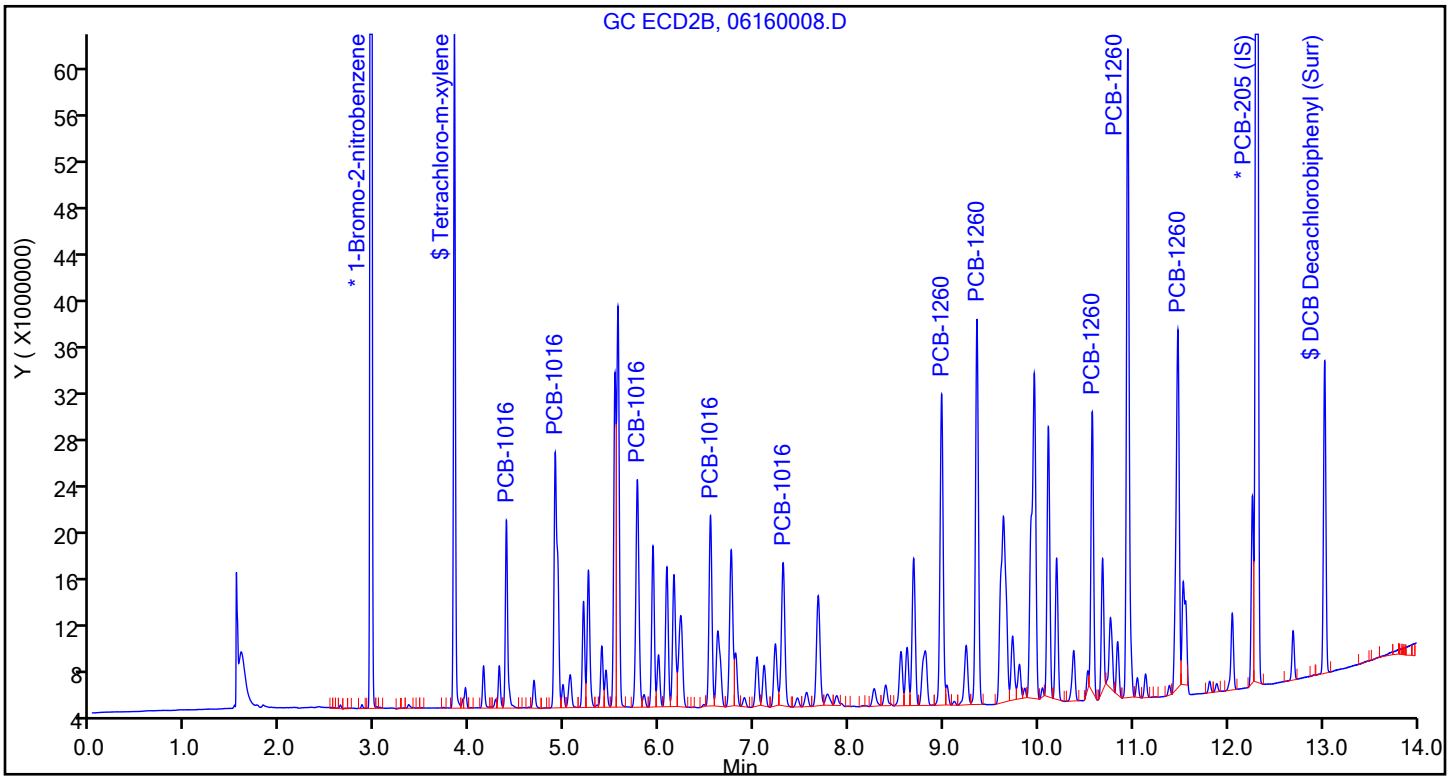
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Jun-2022 10:24:45 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-009
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:25 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:47:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	211691208H	0.1000	0.1000	
2	2.949	2.949	-0.001	272772040H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.373	3.374	-0.001	101422310H	0.0500	0.0512	
2	3.830	3.831	-0.001	126494734H	0.0500	0.0507	
						RPD = 0.96	
5 PCB-1016							
1	3.697	3.699	-0.002	30037166H	1.00	0.9424	
1	4.050	4.050	0.000	42718198H	1.00	0.9486	
1	4.726	4.727	-0.001	38780387H	1.00	0.9211	
1	4.802	4.804	-0.002	28051247H	1.00	0.9828	
1	5.248	5.249	-0.001	31689485H	1.00	0.9610	
		Average of Peak Amounts =				0.9512	
2	4.379	4.379	0.000	33646475H	1.00	0.9881	
2	4.896	4.896	0.000	44872811H	1.00	0.9482	
2	5.762	5.763	-0.001	42351068H	1.00	0.9668	
2	6.535	6.536	-0.001	34630401H	1.00	0.9523	
2	7.302	7.304	-0.002	26292636H	1.00	0.9620	
		Average of Peak Amounts =				0.9635	
						RPD = 1.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	48820334H	1.00	0.9620	
1	7.695	7.696	-0.001	66277413H	1.00	0.9869	
1	8.924	8.925	-0.001	47551183H	1.00	0.9877	
1	9.465	9.466	-0.001	117164807H	1.00	1.01	
1	9.926	9.927	-0.001	59925877H	1.00	0.9658	
		Average of Peak Amounts =				0.9833	
2	8.976	8.978	-0.002	57035499H	1.00	0.9712	
2	9.350	9.351	-0.001	71059717H	1.00	0.9679	
2	10.569	10.569	0.000	54431178H	1.00	1.01	
2	10.944	10.944	0.000	127713879H	1.00	1.02	
2	11.473	11.474	-0.001	69460014H	1.00	1.03	
		Average of Peak Amounts =				1.00	
						RPD = 1.65	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	137790685H	0.1000	0.1000	
2	12.307	12.308	-0.001	159604672H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	53704692H	0.0500	0.0483	
2	13.024	13.025	-0.001	56574324H	0.0500	0.0487	
						RPD = 0.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL5_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:26 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160009.D

Injection Date: 16-Jun-2022 10:24:45 Instrument ID: CHGC20

Lims ID: IC

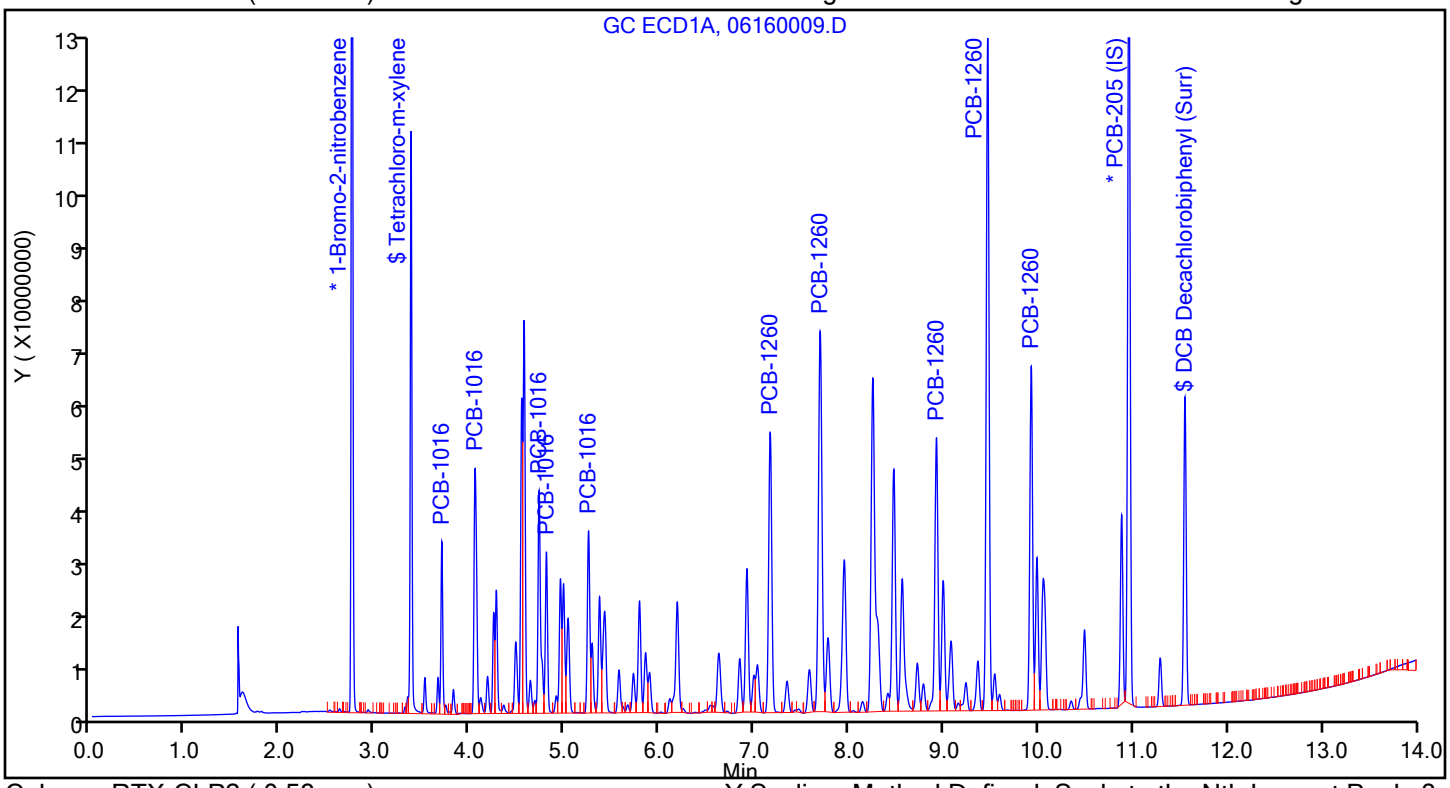
Client ID:

Operator ID: 402331 ALS Bottle#: 9 Worklist Smp#: 9

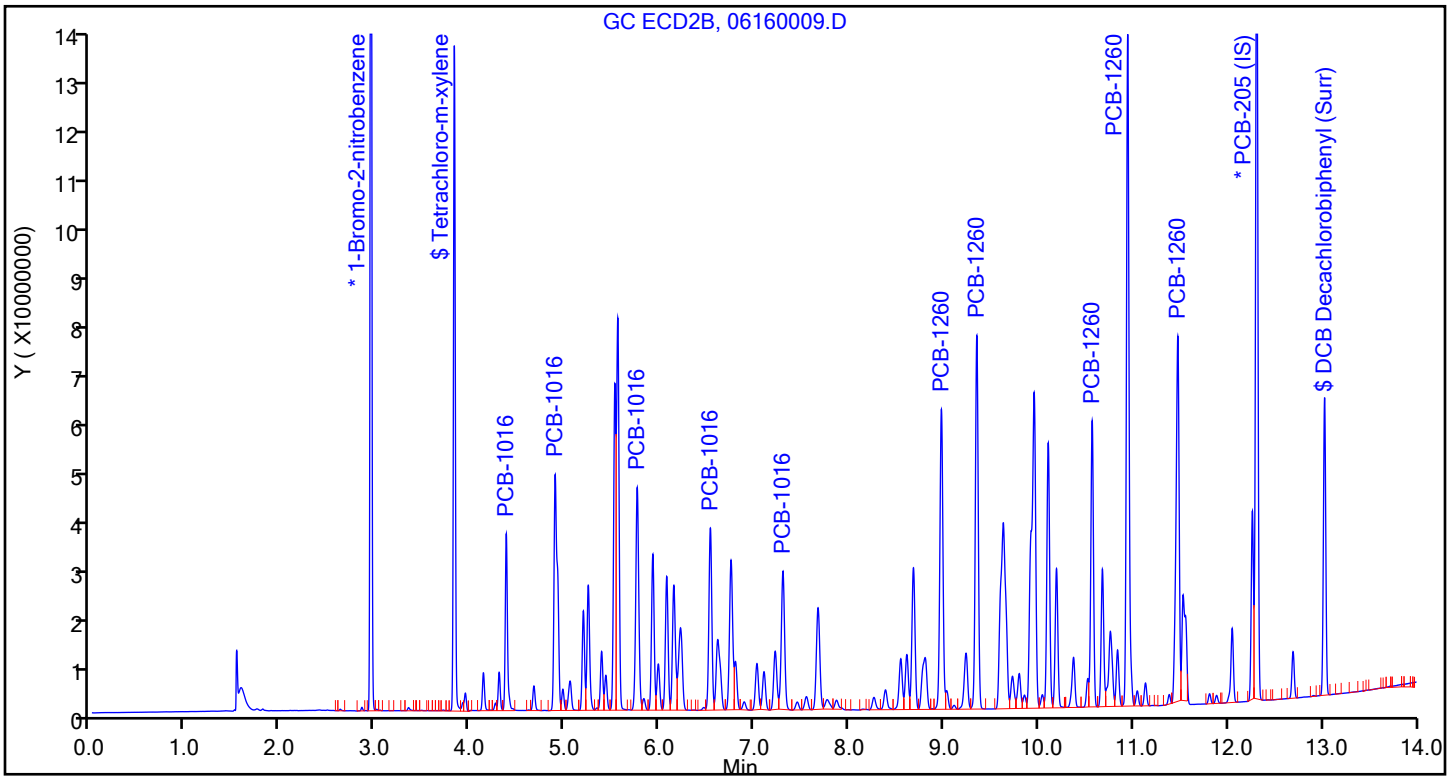
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Jun-2022 10:43:47 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-010
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:30 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.000	213405626H	0.1000	0.1000	
2	2.949	2.949	0.000	277080052H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.374	3.374	0.000	201553135H	0.1000	0.1010	
2	3.831	3.831	0.000	262083527H	0.1000	0.1035	
						RPD = 2.45	
5 PCB-1016							
1	3.698	3.699	-0.001	55868541H	2.00	1.74	
1	4.050	4.050	0.000	80249762H	2.00	1.77	
1	4.726	4.727	-0.001	76155733H	2.00	1.79	
1	4.803	4.804	-0.001	54478336H	2.00	1.89	
1	5.248	5.249	-0.001	62140068H	2.00	1.87	
		Average of Peak Amounts =				1.81	
2	4.379	4.379	0.000	63605558H	2.00	1.84	
2	4.896	4.896	0.000	86238154H	2.00	1.79	
2	5.763	5.763	0.000	81106447H	2.00	1.82	
2	6.535	6.536	-0.001	69367902H	2.00	1.88	
2	7.302	7.304	-0.002	52102553H	2.00	1.88	
		Average of Peak Amounts =				1.84	
						RPD = 1.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.168	7.169	-0.001	97786666H	2.00	1.85	
1	7.696	7.696	0.000	134433457H	2.00	1.92	
1	8.924	8.925	-0.001	94445137H	2.00	1.88	
1	9.466	9.466	0.000	238425743H	2.00	1.98	
1	9.925	9.927	-0.002	124071483H	2.00	1.92	
		Average of Peak Amounts =				1.91	
2	8.976	8.978	-0.002	114161923H	2.00	1.89	
2	9.350	9.351	-0.001	146203985H	2.00	1.93	
2	10.568	10.569	-0.001	109258560H	2.00	1.97	
2	10.944	10.944	0.000	264438657H	2.00	2.05	
2	11.474	11.474	0.000	136806513H	2.00	1.97	
		Average of Peak Amounts =				1.96	
						RPD = 2.44	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	143416965H	0.1000	0.1000	
2	12.307	12.308	-0.001	164537927H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	107079821H	0.1000	0.0925	
2	13.023	13.025	-0.002	115206815H	0.1000	0.0961	
						RPD = 3.87	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL6_00023	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:31 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160010.D

Injection Date: 16-Jun-2022 10:43:47 Instrument ID: CHGC20

Lims ID: IC

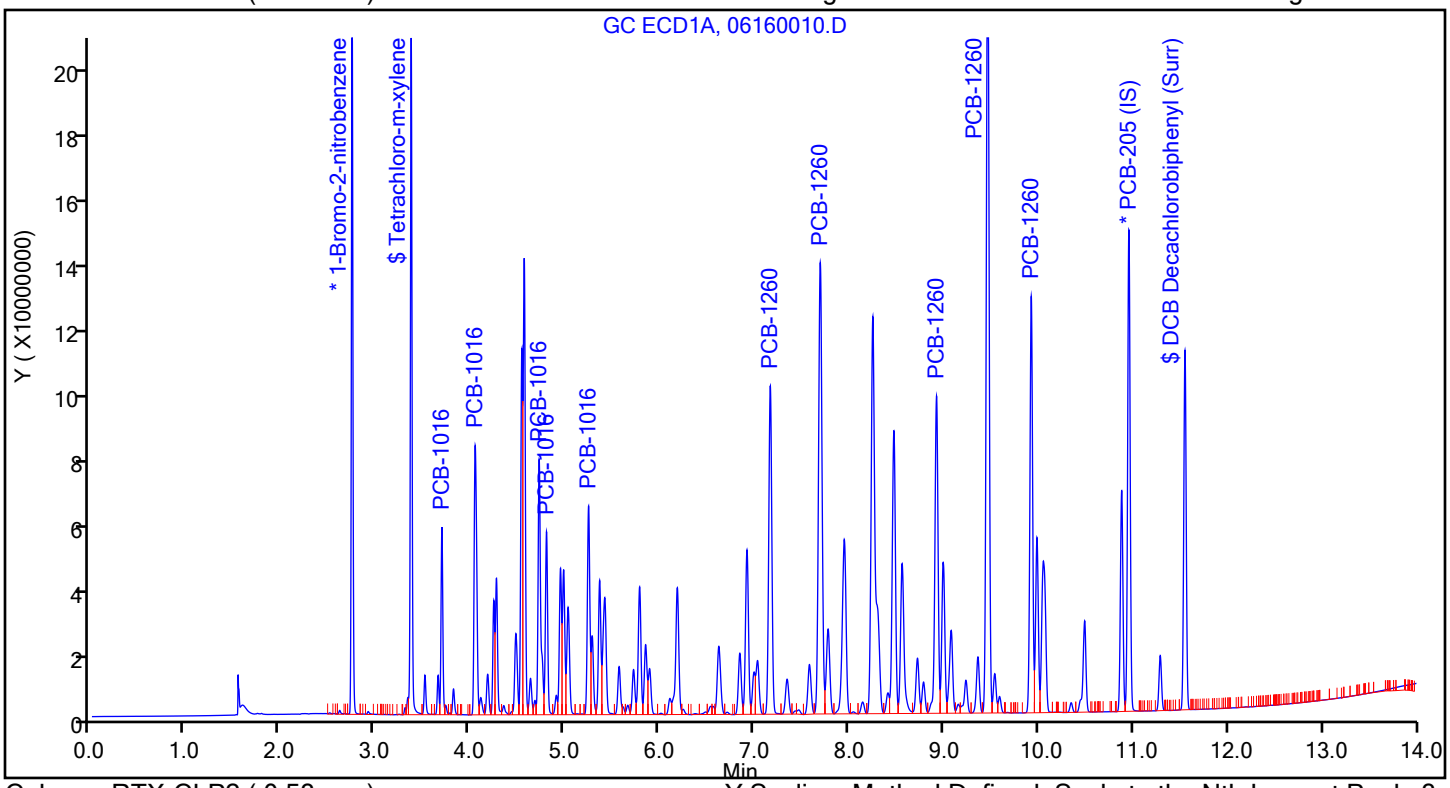
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

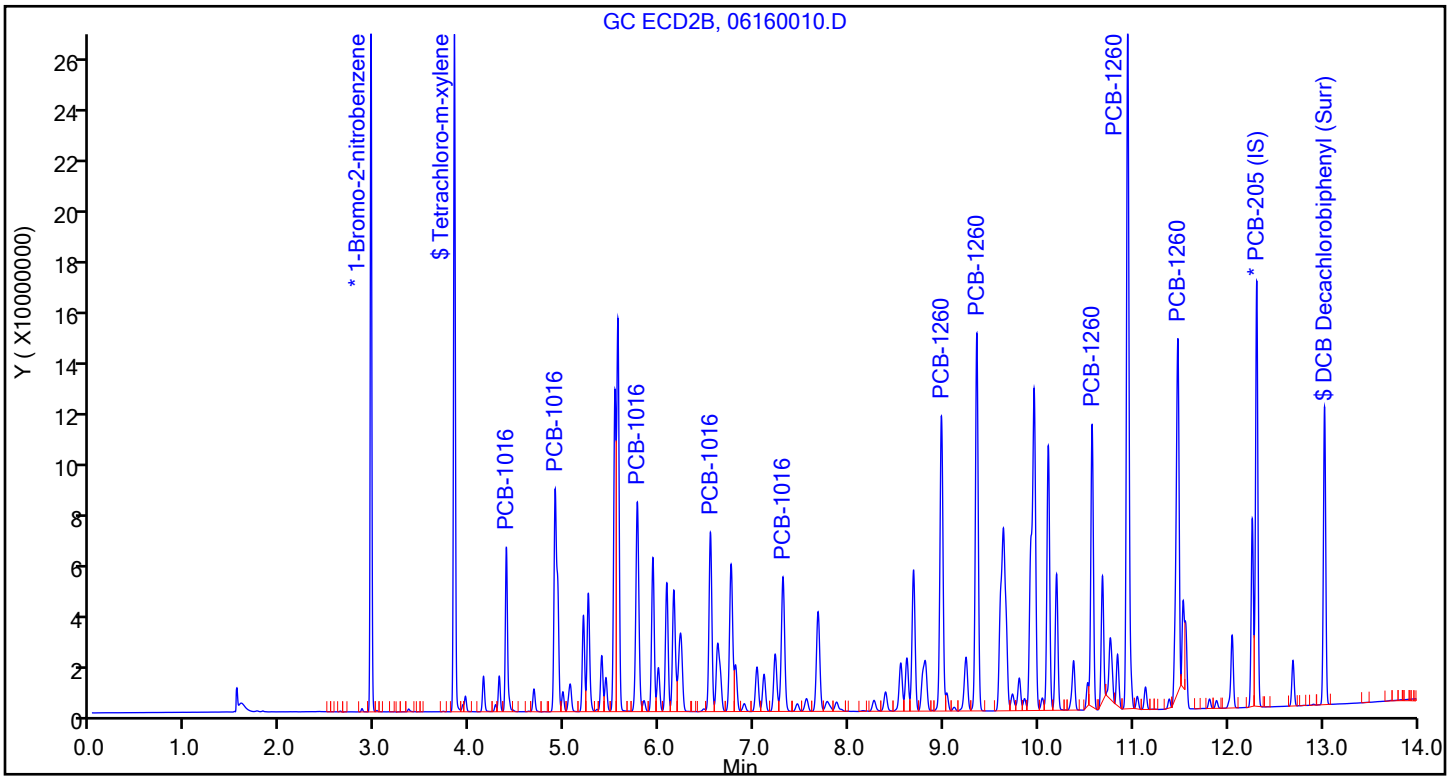
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Jun-2022 11:03:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-011
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.001	199543248H	0.1000	0.1000	
2	2.950	2.949	0.001	259043392H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.375	3.374	0.001	394207132H	0.2000	0.2112	
2	3.832	3.831	0.001	511238775H	0.2000	0.2159	
						RPD = 2.20	
5 PCB-1016							
1	3.699	3.699	0.000	101813319H	4.00	3.39	
1	4.052	4.050	0.002	146442607H	4.00	3.45	
1	4.728	4.727	0.001	142345223H	4.00	3.59	
1	4.805	4.804	0.001	103911529H	4.00	3.86	
1	5.250	5.249	0.001	115080635H	4.00	3.70	
		Average of Peak Amounts =				3.60	
2	4.380	4.379	0.001	116155686H	4.00	3.59	
2	4.898	4.896	0.002	157483155H	4.00	3.50	
2	5.764	5.763	0.001	153845037H	4.00	3.70	
2	6.537	6.536	0.001	129669272H	4.00	3.75	
2	7.304	7.304	0.000	96979697H	4.00	3.74	
		Average of Peak Amounts =				3.66	
						RPD = 1.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.170	7.169	0.001	187600864	H	4.00	3.73
1	7.698	7.696	0.002	253639448	H	4.00	3.81
1	8.925	8.925	0.000	184127285	H	4.00	3.86
1	9.467	9.466	0.001	457898042	H	4.00	4.00
1	9.927	9.927	0.000	235060778	H	4.00	3.82
		Average of Peak Amounts =					3.84
2	8.978	8.978	0.000	221162965	H	4.00	3.79
2	9.351	9.351	0.000	275432361	H	4.00	3.78
2	10.568	10.569	-0.001	213229721	H	4.00	3.99
2	10.945	10.944	0.001	521058571	H	4.00	4.18
2	11.473	11.474	-0.001	273460838	H	4.00	4.08
		Average of Peak Amounts =					3.96
						RPD =	3.14
* 12 PCB-205 (IS)							
1	10.958	10.957	0.002	136680819	H	0.1000	0.1000
2	12.308	12.308	0.000	158564058	H	0.1000	0.1000
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.550	11.549	0.001	210597878	H	0.2000	0.1909
2	13.024	13.025	-0.001	228427655	H	0.2000	0.1978
						RPD =	3.57

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL7_00024	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:36 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Injection Date: 16-Jun-2022 11:03:05 Instrument ID: CHGC20

Lims ID: IC

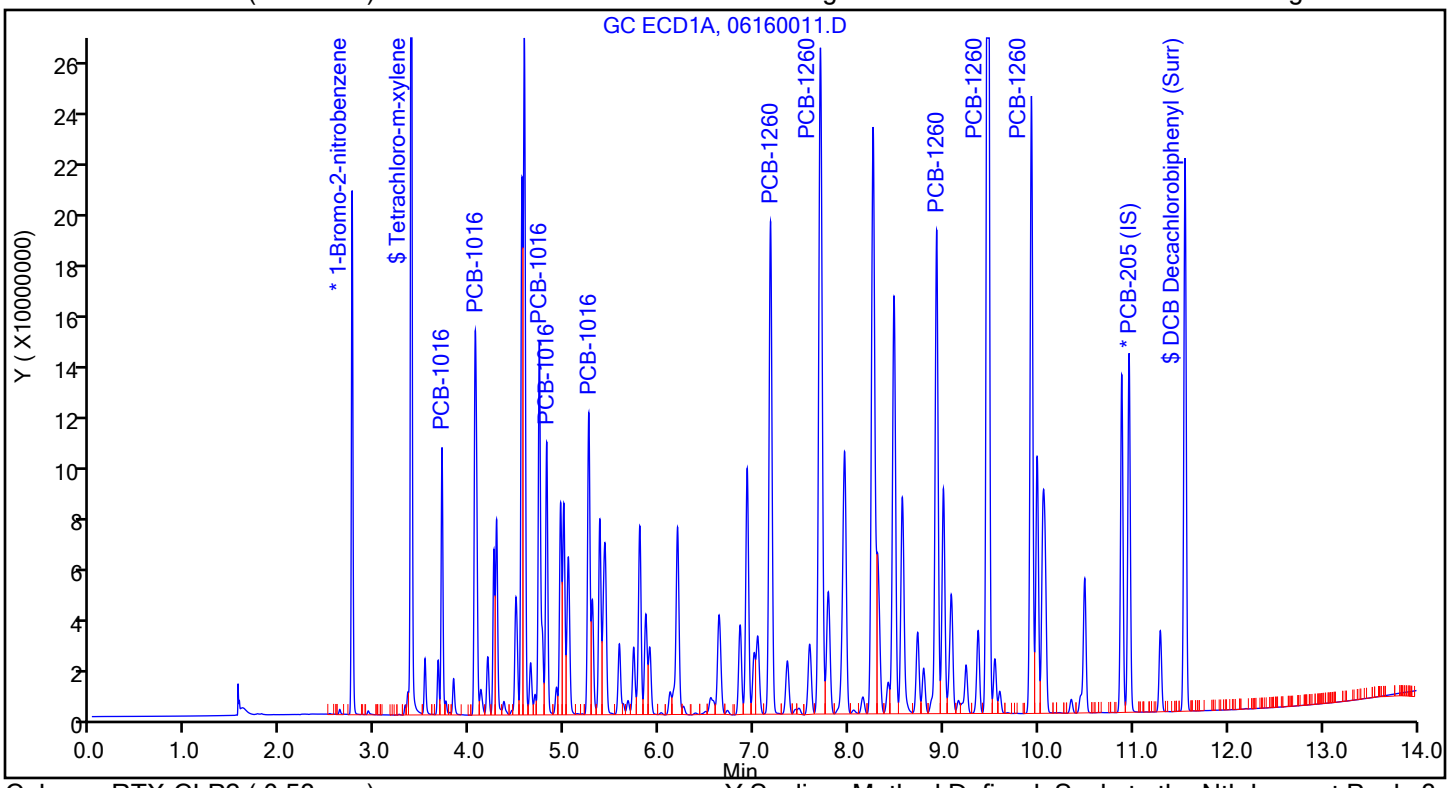
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

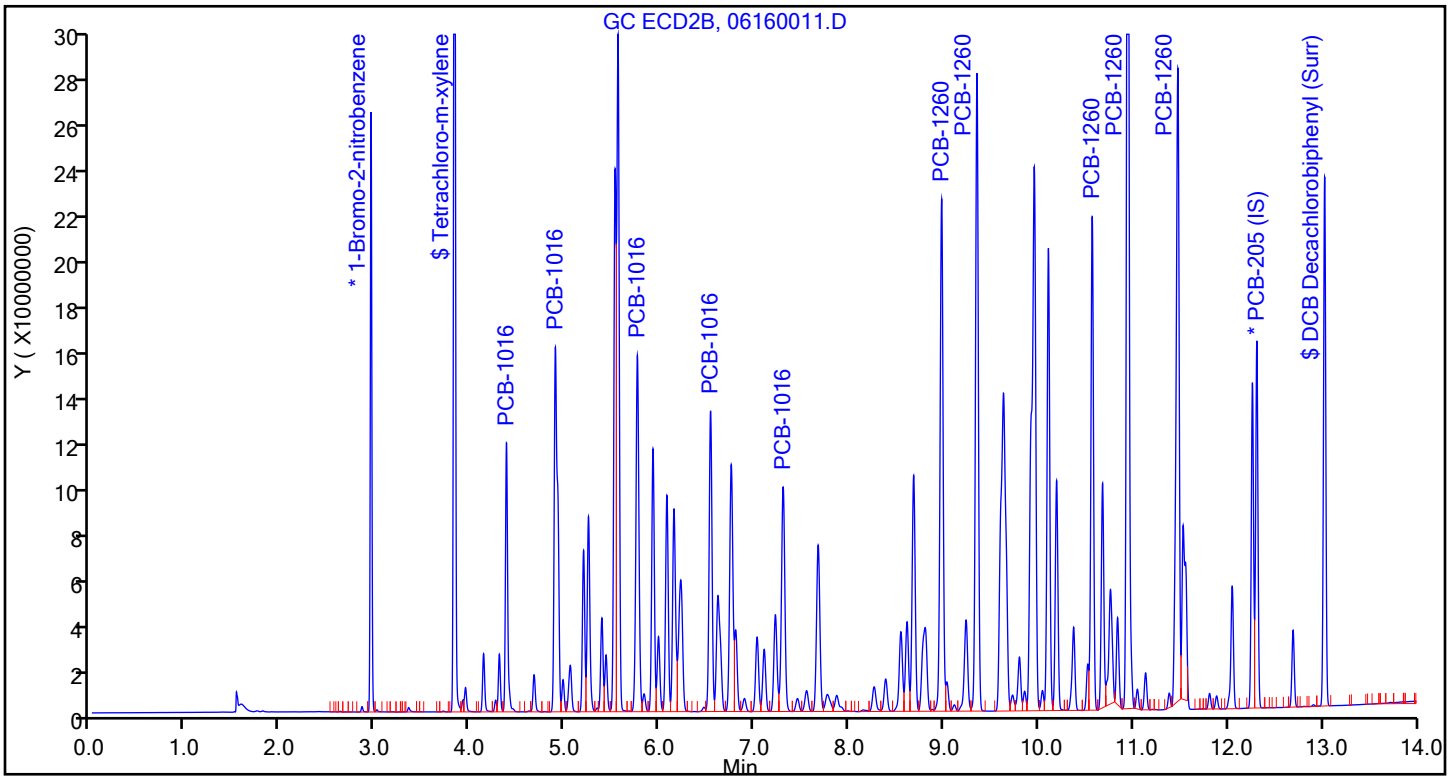
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / Tetrachloro-m-xylene

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

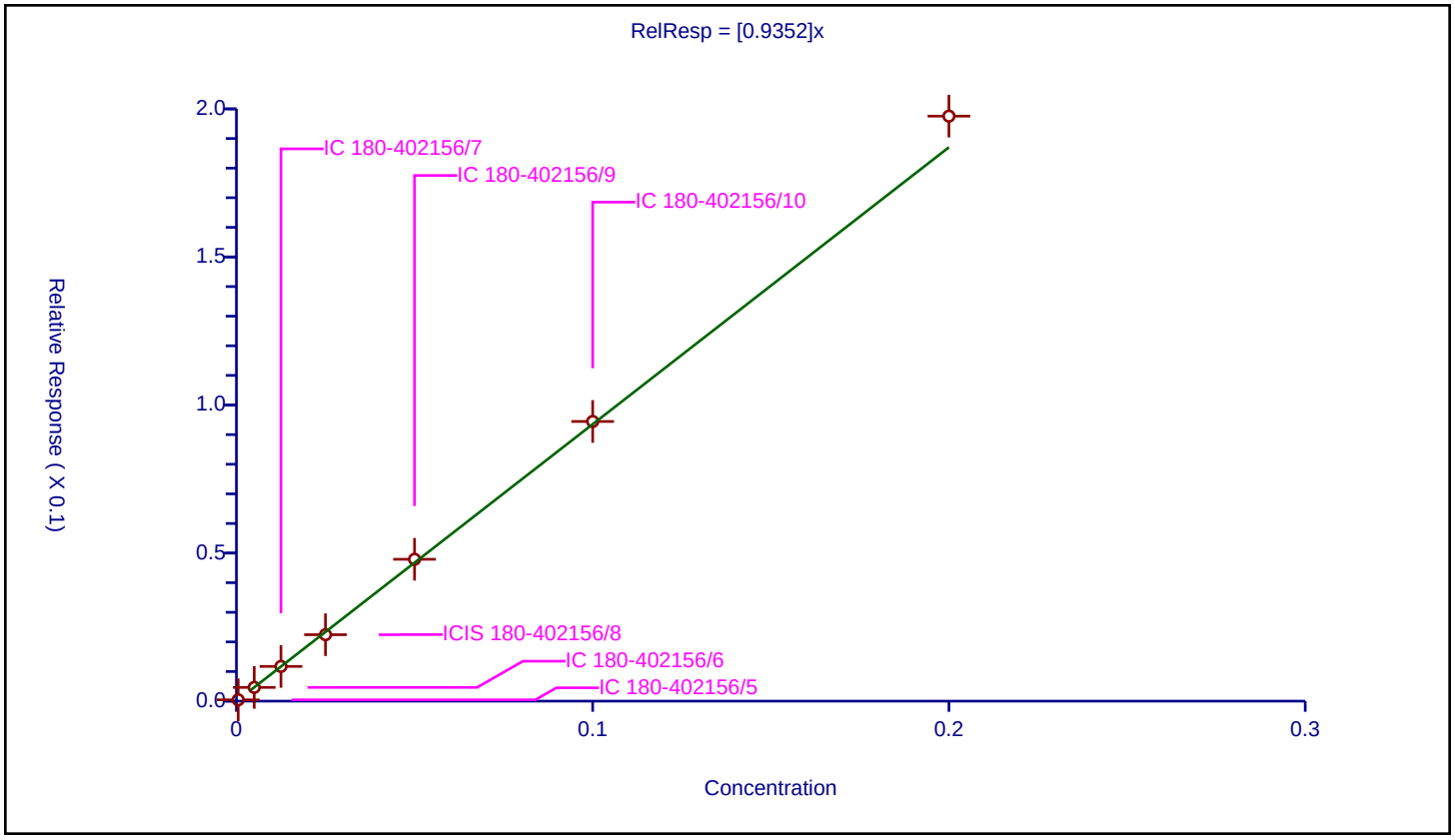
Curve Coefficients

Intercept:	0
Slope:	0.9352

Error Coefficients

Standard Error:	187000000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.0005	0.000447	0.1	221685489.0	0.893567	Y
2	IC 180-402156/6	0.005	0.004636	0.1	209505520.0	0.927216	Y
3	IC 180-402156/7	0.0125	0.011721	0.1	213442668.0	0.937698	Y
4	ICIS 180-402156/8	0.025	0.022438	0.1	203327940.0	0.897534	Y
5	IC 180-402156/9	0.05	0.04791	0.1	211691208.0	0.95821	Y
6	IC 180-402156/10	0.1	0.094446	0.1	213405626.0	0.94446	Y
7	IC 180-402156/11	0.2	0.197555	0.1	199543248.0	0.987774	Y



Calibration / PCB-1016 Peak 1

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

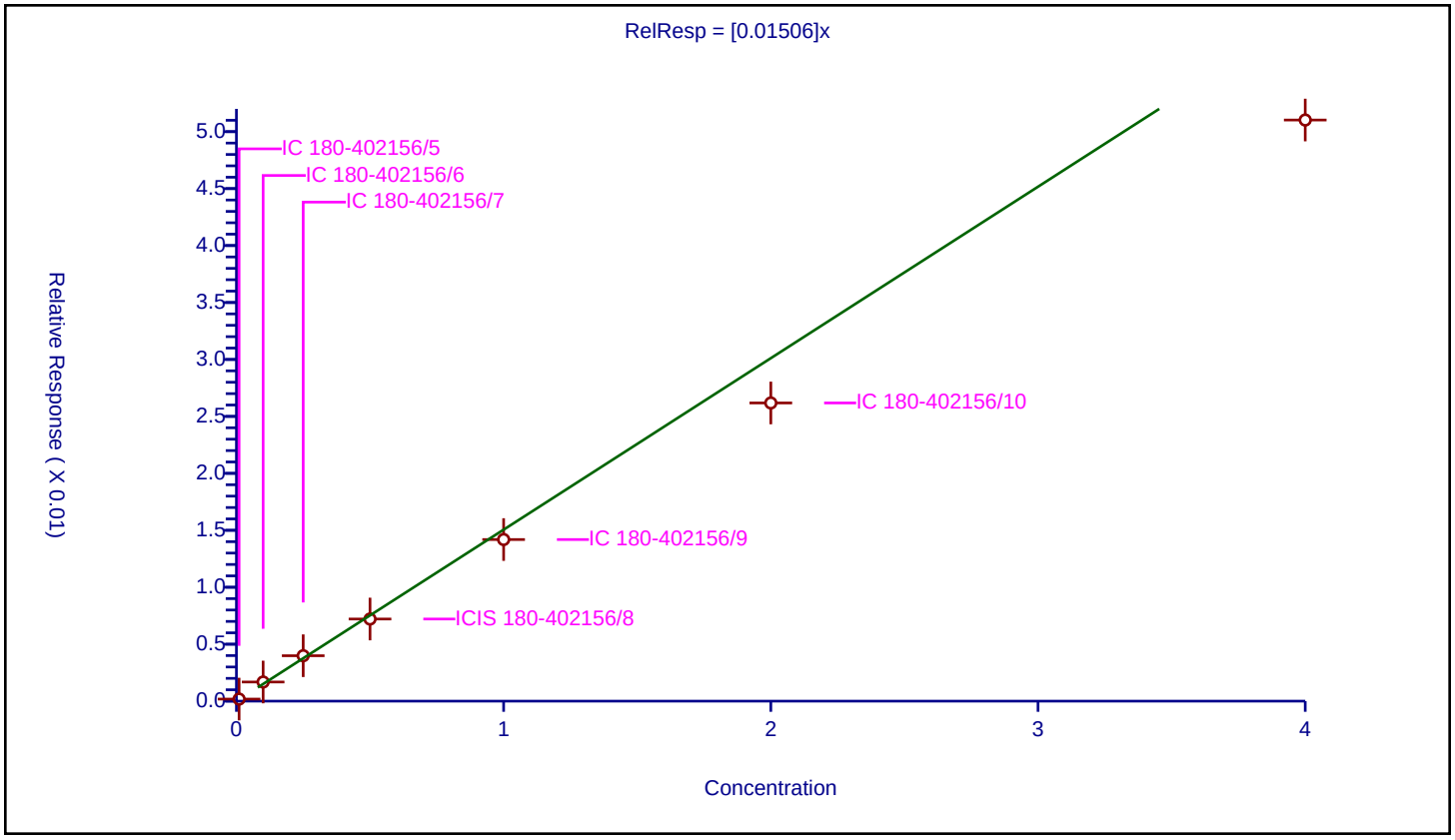
Curve Coefficients

Intercept:	0
Slope:	0.01506

Error Coefficients

Standard Error:	49500000
Relative Standard Error:	13.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000182	0.1	221685489.0	0.018172	Y
2	IC 180-402156/6	0.1	0.001681	0.1	209505520.0	0.016809	Y
3	IC 180-402156/7	0.25	0.003988	0.1	213442668.0	0.015954	Y
4	ICIS 180-402156/8	0.5	0.00721	0.1	203327940.0	0.01442	Y
5	IC 180-402156/9	1.0	0.014189	0.1	211691208.0	0.014189	Y
6	IC 180-402156/10	2.0	0.02618	0.1	213405626.0	0.01309	Y
7	IC 180-402156/11	4.0	0.051023	0.1	199543248.0	0.012756	Y



Calibration / PCB-1016 Peak 2

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

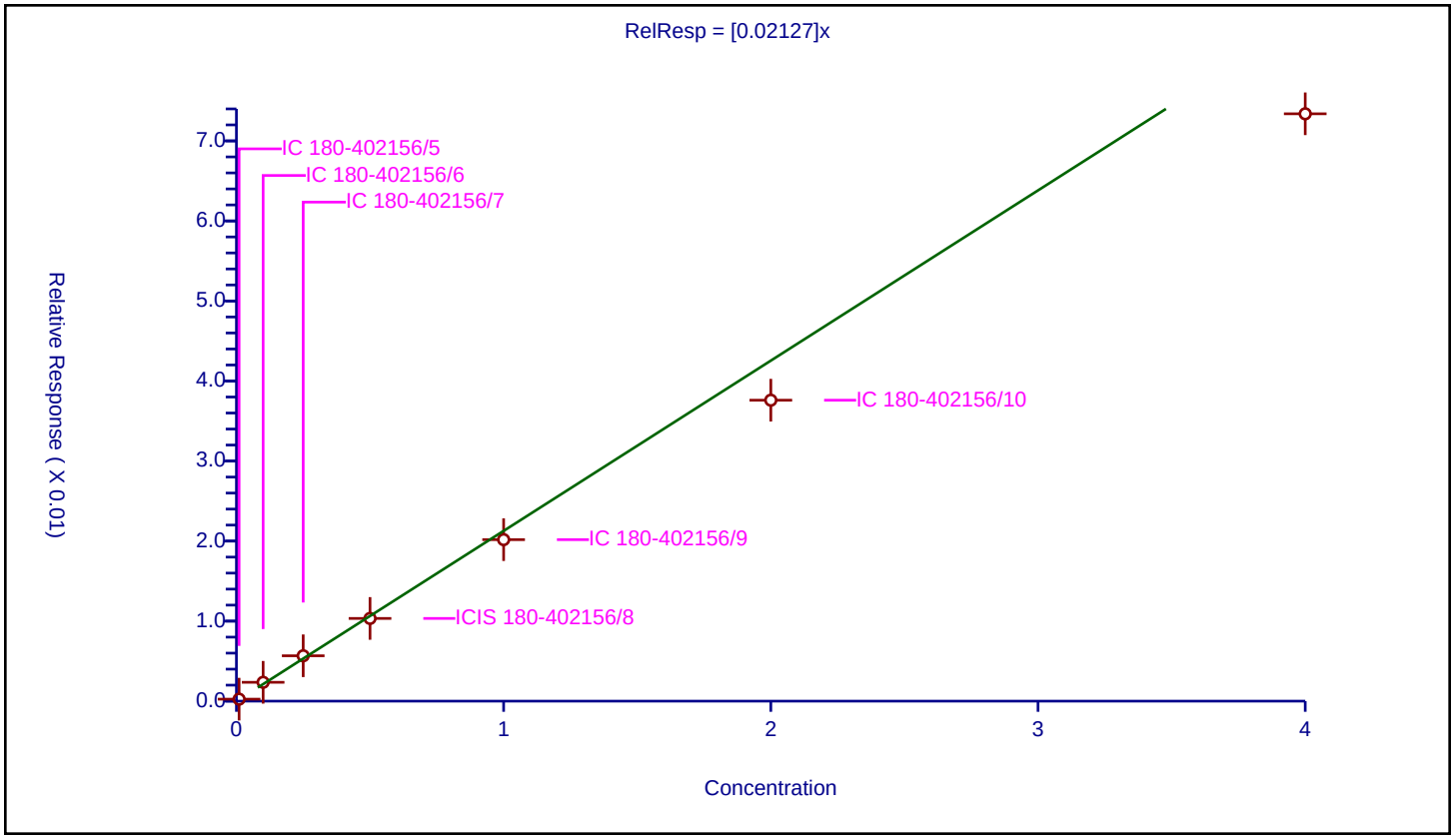
Curve Coefficients

Intercept:	0
Slope:	0.02127

Error Coefficients

Standard Error:	71100000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000247	0.1	221685489.0	0.024673	Y
2	IC 180-402156/6	0.1	0.002356	0.1	209505520.0	0.023557	Y
3	IC 180-402156/7	0.25	0.005668	0.1	213442668.0	0.022674	Y
4	ICIS 180-402156/8	0.5	0.010335	0.1	203327940.0	0.02067	Y
5	IC 180-402156/9	1.0	0.020179	0.1	211691208.0	0.020179	Y
6	IC 180-402156/10	2.0	0.037604	0.1	213405626.0	0.018802	Y
7	IC 180-402156/11	4.0	0.073389	0.1	199543248.0	0.018347	Y



Calibration / PCB-1016 Peak 3

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

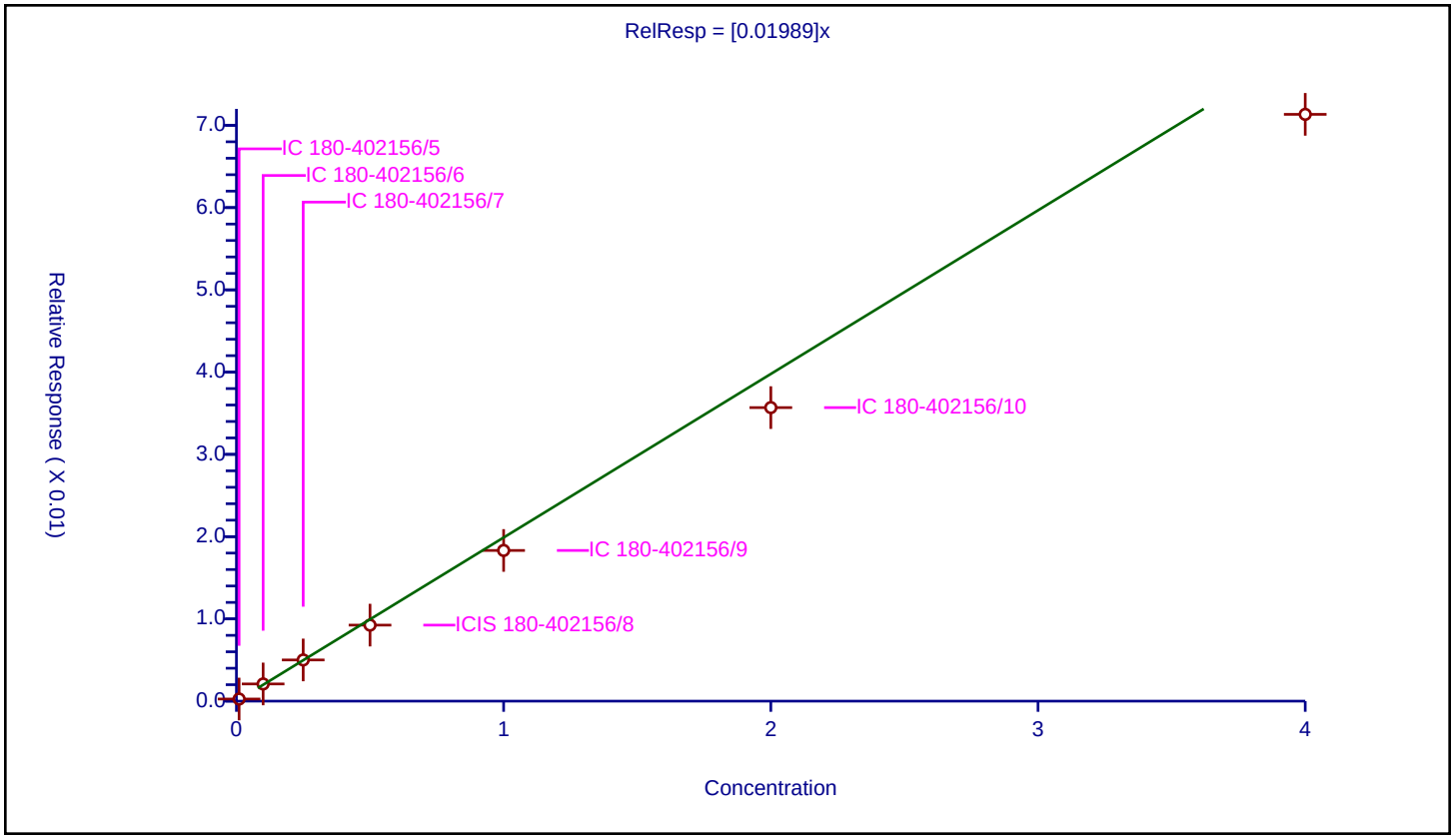
Curve Coefficients

Intercept:	0
Slope:	0.01989

Error Coefficients

Standard Error:	68400000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000258	0.1	221685489.0	0.025807	Y
2	IC 180-402156/6	0.1	0.00209	0.1	209505520.0	0.0209	Y
3	IC 180-402156/7	0.25	0.005009	0.1	213442668.0	0.020036	Y
4	ICIS 180-402156/8	0.5	0.009241	0.1	203327940.0	0.018482	Y
5	IC 180-402156/9	1.0	0.018319	0.1	211691208.0	0.018319	Y
6	IC 180-402156/10	2.0	0.035686	0.1	213405626.0	0.017843	Y
7	IC 180-402156/11	4.0	0.071336	0.1	199543248.0	0.017834	Y



Calibration / PCB-1016 Peak 4

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

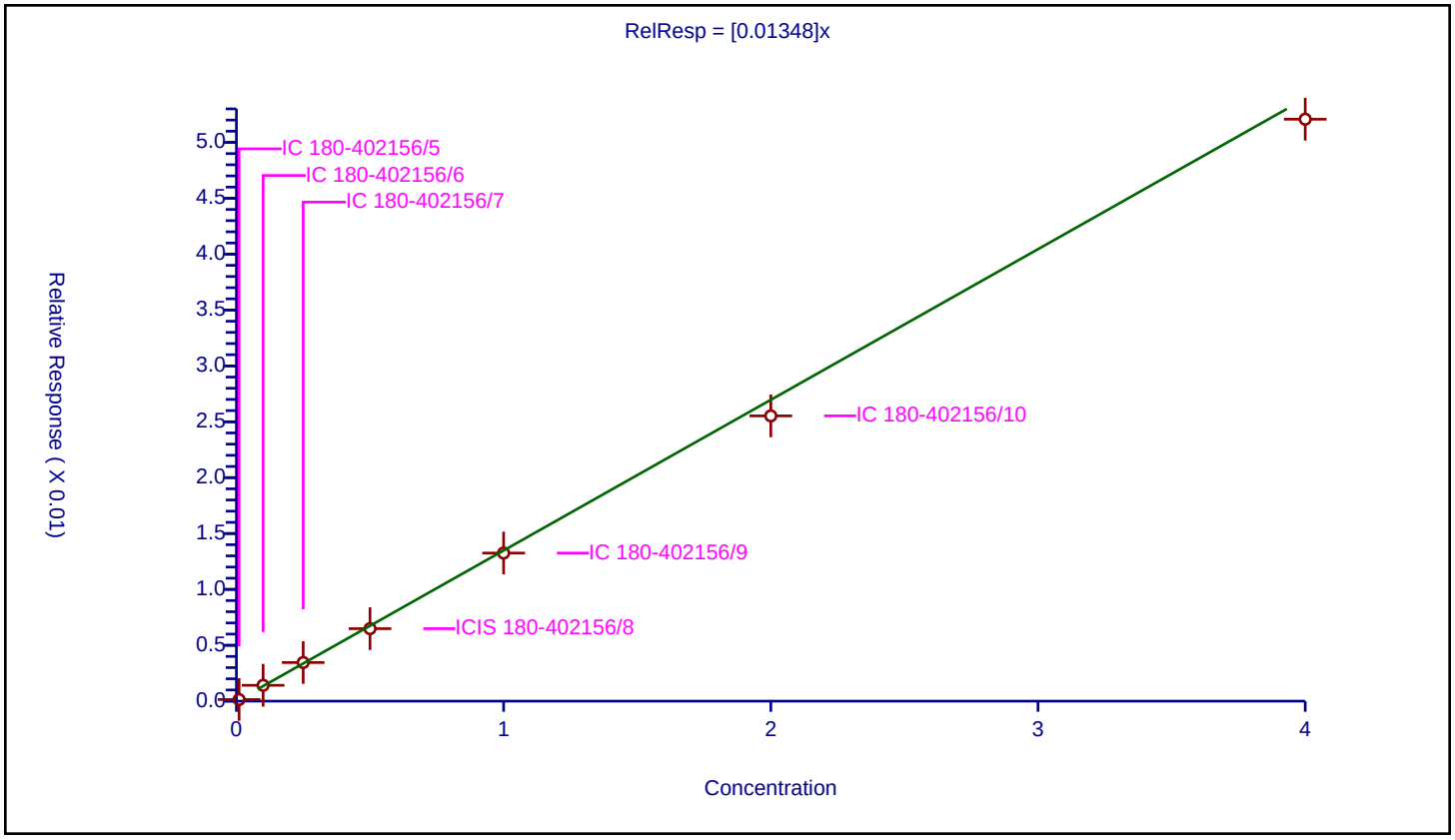
Curve Coefficients

Intercept:	0
Slope:	0.01348

Error Coefficients

Standard Error:	49600000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000144	0.1	221685489.0	0.014389	Y
2	IC 180-402156/6	0.1	0.001416	0.1	209505520.0	0.014158	Y
3	IC 180-402156/7	0.25	0.003455	0.1	213442668.0	0.013821	Y
4	ICIS 180-402156/8	0.5	0.006487	0.1	203327940.0	0.012973	Y
5	IC 180-402156/9	1.0	0.013251	0.1	211691208.0	0.013251	Y
6	IC 180-402156/10	2.0	0.025528	0.1	213405626.0	0.012764	Y
7	IC 180-402156/11	4.0	0.052075	0.1	199543248.0	0.013019	Y



Calibration / PCB-1016 Peak 5

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

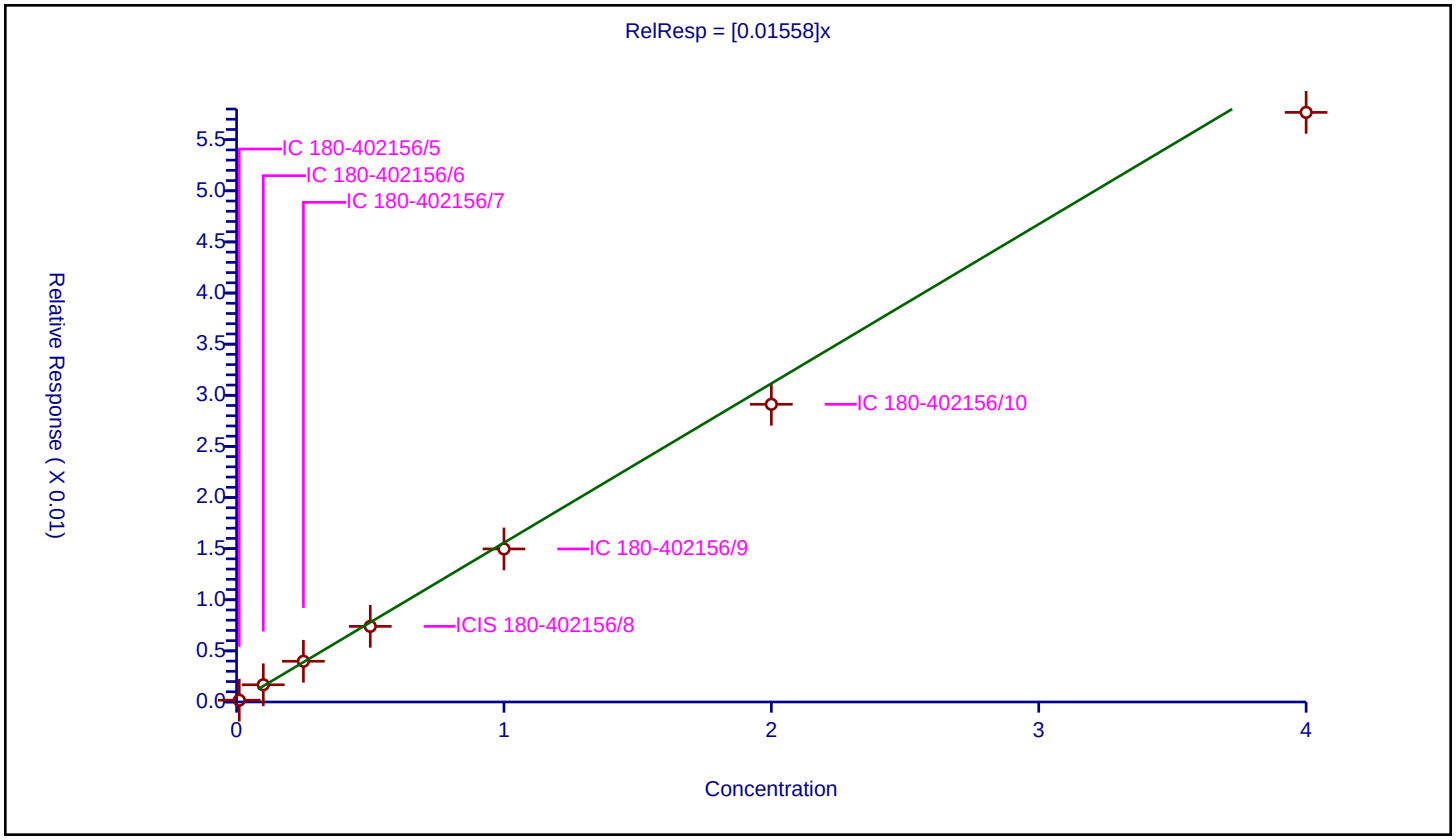
Curve Coefficients

Intercept:	0
Slope:	0.01558

Error Coefficients

Standard Error:	55400000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000175	0.1	221685489.0	0.017524	Y
2	IC 180-402156/6	0.1	0.001684	0.1	209505520.0	0.016839	Y
3	IC 180-402156/7	0.25	0.003984	0.1	213442668.0	0.015936	Y
4	ICIS 180-402156/8	0.5	0.007395	0.1	203327940.0	0.01479	Y
5	IC 180-402156/9	1.0	0.01497	0.1	211691208.0	0.01497	Y
6	IC 180-402156/10	2.0	0.029118	0.1	213405626.0	0.014559	Y
7	IC 180-402156/11	4.0	0.057672	0.1	199543248.0	0.014418	Y



Calibration / PCB-1260 Peak 1

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

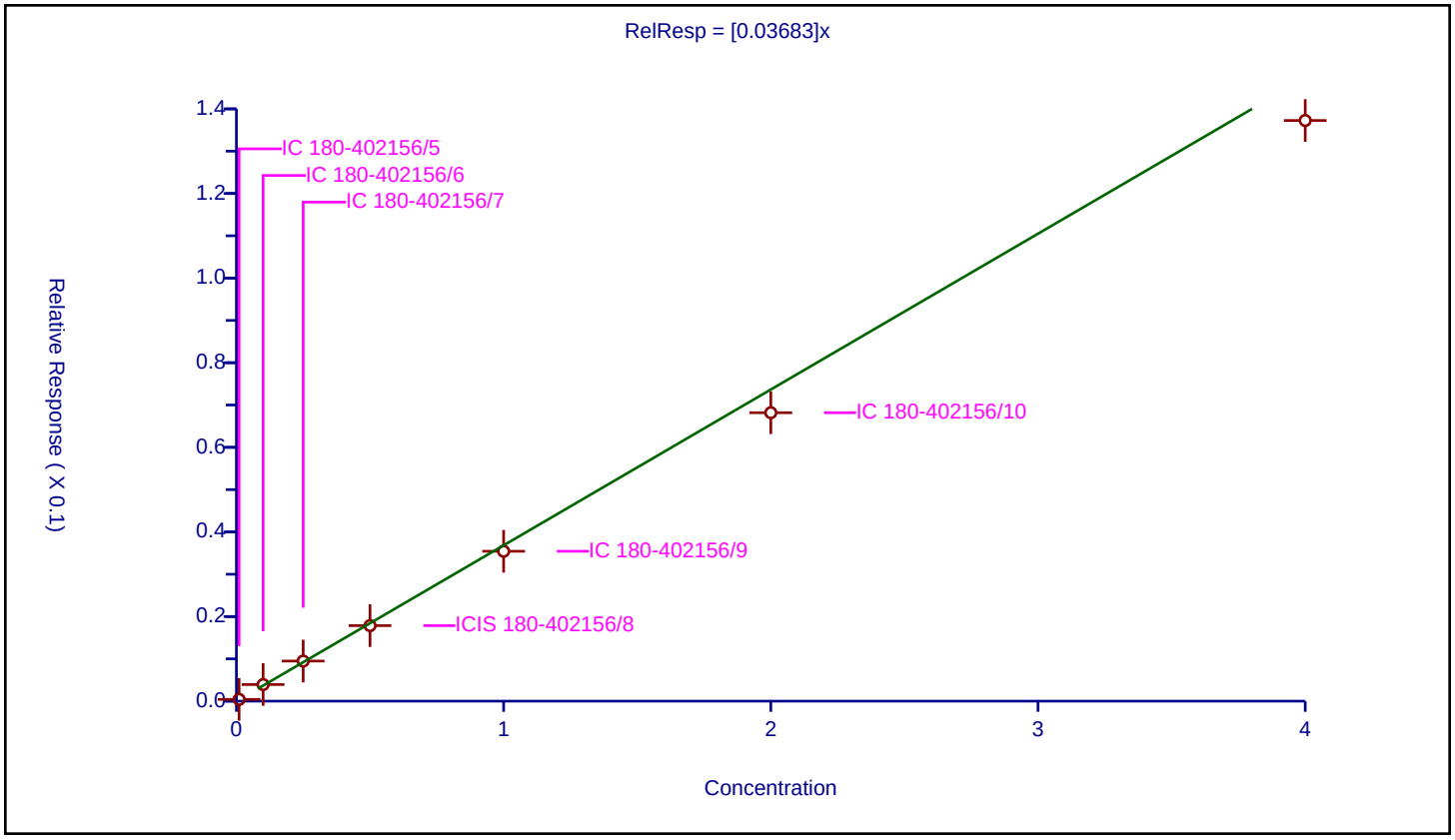
Curve Coefficients

Intercept:	0
Slope:	0.03683

Error Coefficients

Standard Error:	89400000
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 180-402156/5	0.01	0.000411	0.1	143490695.0	0.041117	Y
2	IC 180-402156/6	0.1	0.003923	0.1	136247471.0	0.039232	Y
3	IC 180-402156/7	0.25	0.009481	0.1	139326719.0	0.037925	Y
4	ICIS 180-402156/8	0.5	0.017851	0.1	132428327.0	0.035702	Y
5	IC 180-402156/9	1.0	0.035431	0.1	137790685.0	0.035431	Y
6	IC 180-402156/10	2.0	0.068183	0.1	143416965.0	0.034092	Y
7	IC 180-402156/11	4.0	0.137255	0.1	136680819.0	0.034314	Y



Calibration / PCB-1260 Peak 2

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

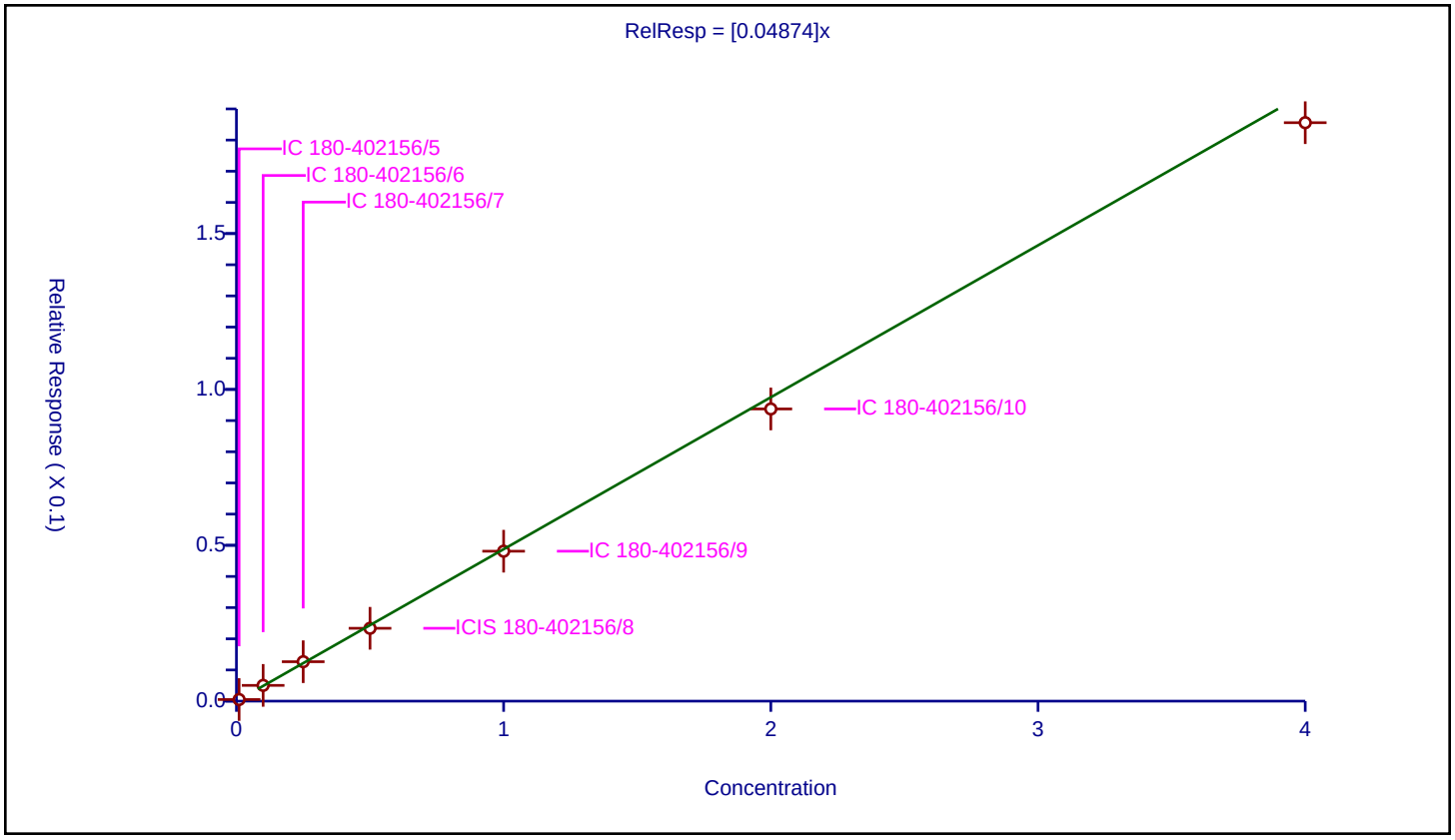
Curve Coefficients

Intercept:	0
Slope:	0.04874

Error Coefficients

Standard Error:	121000000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.00052	0.1	143490695.0	0.051969	Y
2	IC 180-402156/6	0.1	0.00505	0.1	136247471.0	0.050504	Y
3	IC 180-402156/7	0.25	0.012651	0.1	139326719.0	0.050603	Y
4	ICIS 180-402156/8	0.5	0.023372	0.1	132428327.0	0.046744	Y
5	IC 180-402156/9	1.0	0.0481	0.1	137790685.0	0.0481	Y
6	IC 180-402156/10	2.0	0.093736	0.1	143416965.0	0.046868	Y
7	IC 180-402156/11	4.0	0.185571	0.1	136680819.0	0.046393	Y



Calibration / PCB-1260 Peak 3

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

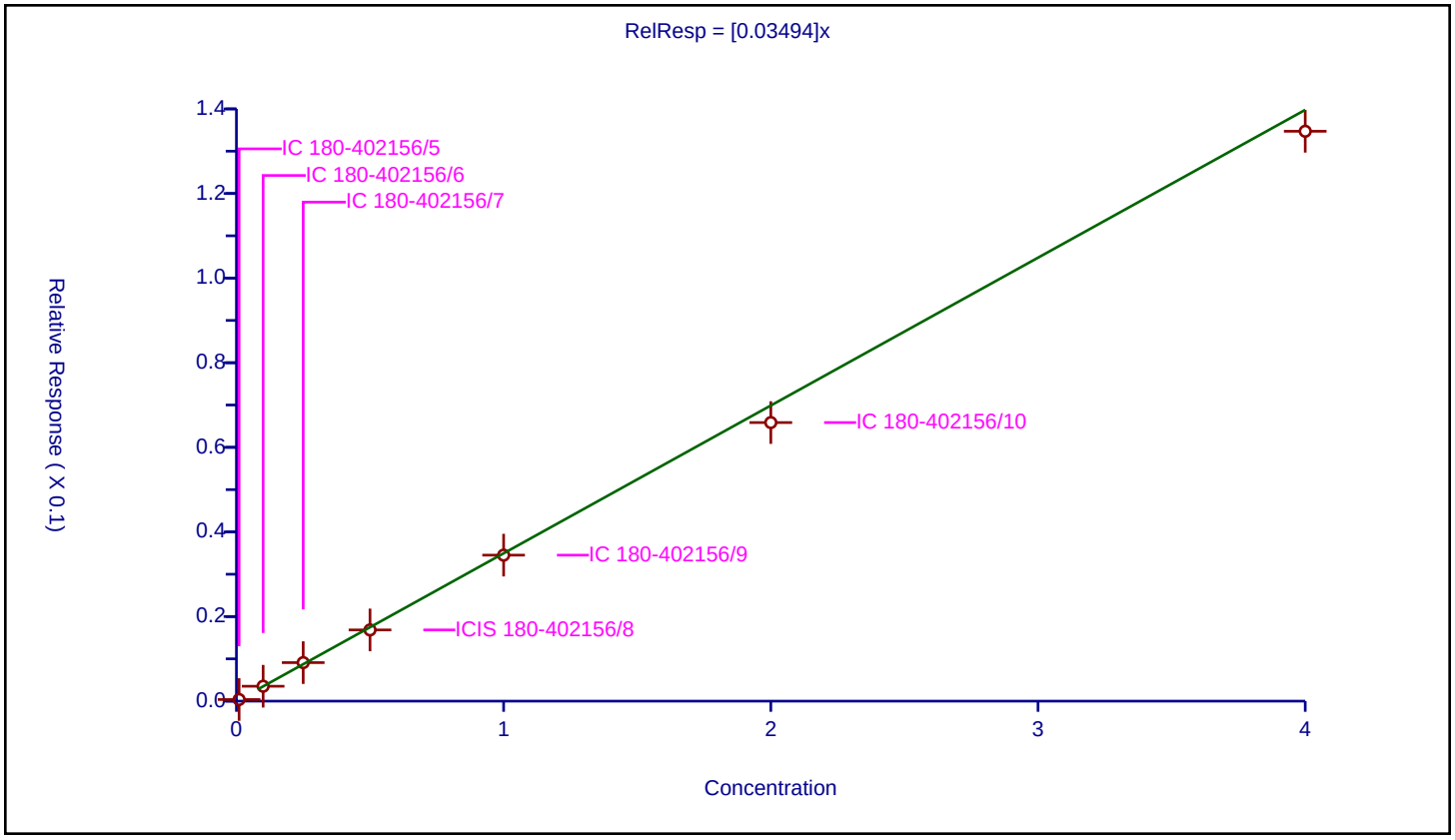
Curve Coefficients

Intercept:	0
Slope:	0.03494

Error Coefficients

Standard Error:	87300000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000381	0.1	143490695.0	0.038119	Y
2	IC 180-402156/6	0.1	0.003525	0.1	136247471.0	0.035247	Y
3	IC 180-402156/7	0.25	0.00911	0.1	139326719.0	0.03644	Y
4	ICIS 180-402156/8	0.5	0.016834	0.1	132428327.0	0.033668	Y
5	IC 180-402156/9	1.0	0.03451	0.1	137790685.0	0.03451	Y
6	IC 180-402156/10	2.0	0.065854	0.1	143416965.0	0.032927	Y
7	IC 180-402156/11	4.0	0.134713	0.1	136680819.0	0.033678	Y



Calibration / PCB-1260 Peak 4

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

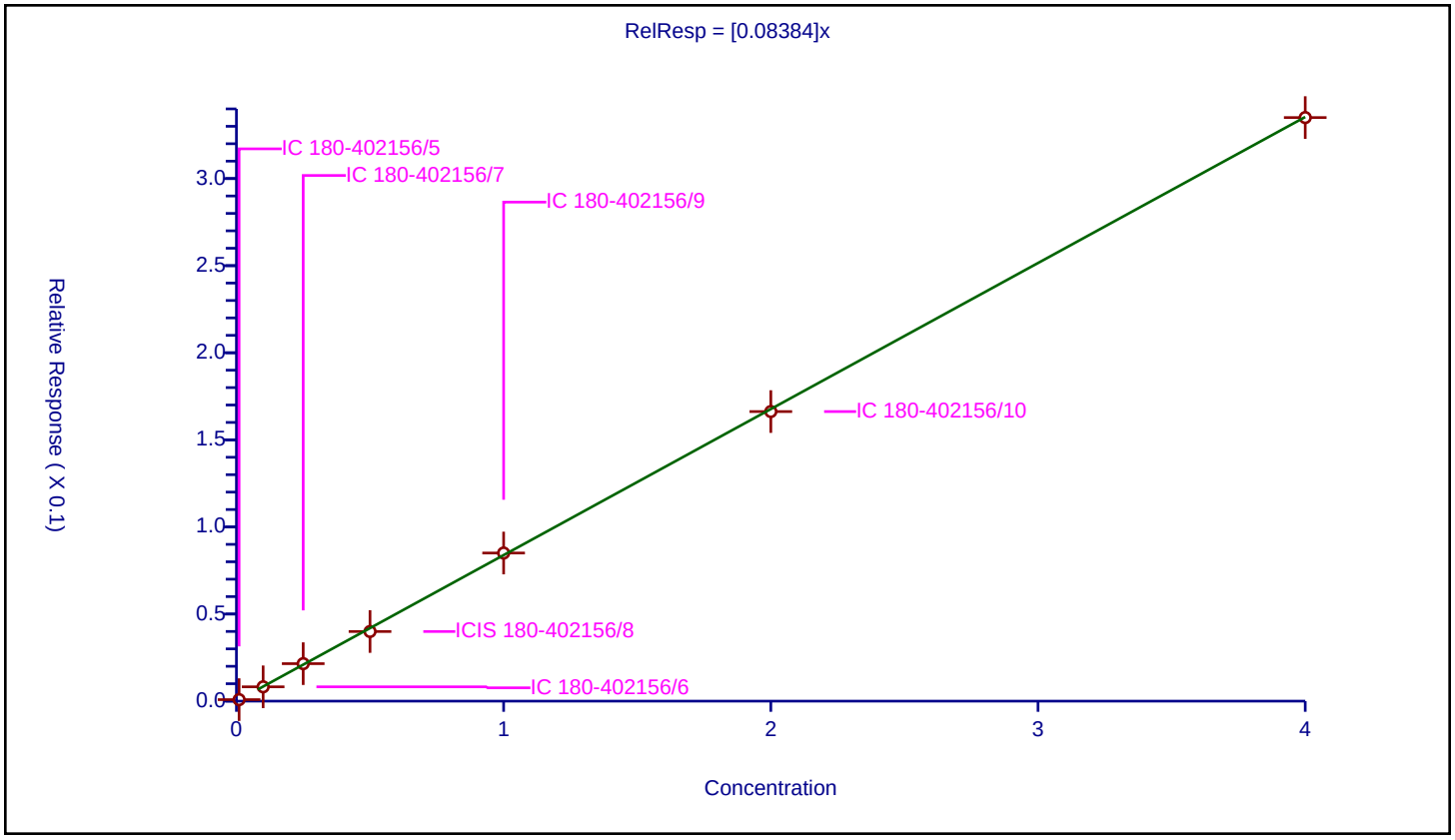
Curve Coefficients

Intercept:	0
Slope:	0.08384

Error Coefficients

Standard Error:	218000000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000867	0.1	143490695.0	0.086741	Y
2	IC 180-402156/6	0.1	0.008215	0.1	136247471.0	0.082151	Y
3	IC 180-402156/7	0.25	0.021527	0.1	139326719.0	0.086107	Y
4	ICIS 180-402156/8	0.5	0.039983	0.1	132428327.0	0.079966	Y
5	IC 180-402156/9	1.0	0.085031	0.1	137790685.0	0.085031	Y
6	IC 180-402156/10	2.0	0.166247	0.1	143416965.0	0.083123	Y
7	IC 180-402156/11	4.0	0.335013	0.1	136680819.0	0.083753	Y



Calibration / PCB-1260 Peak 5

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

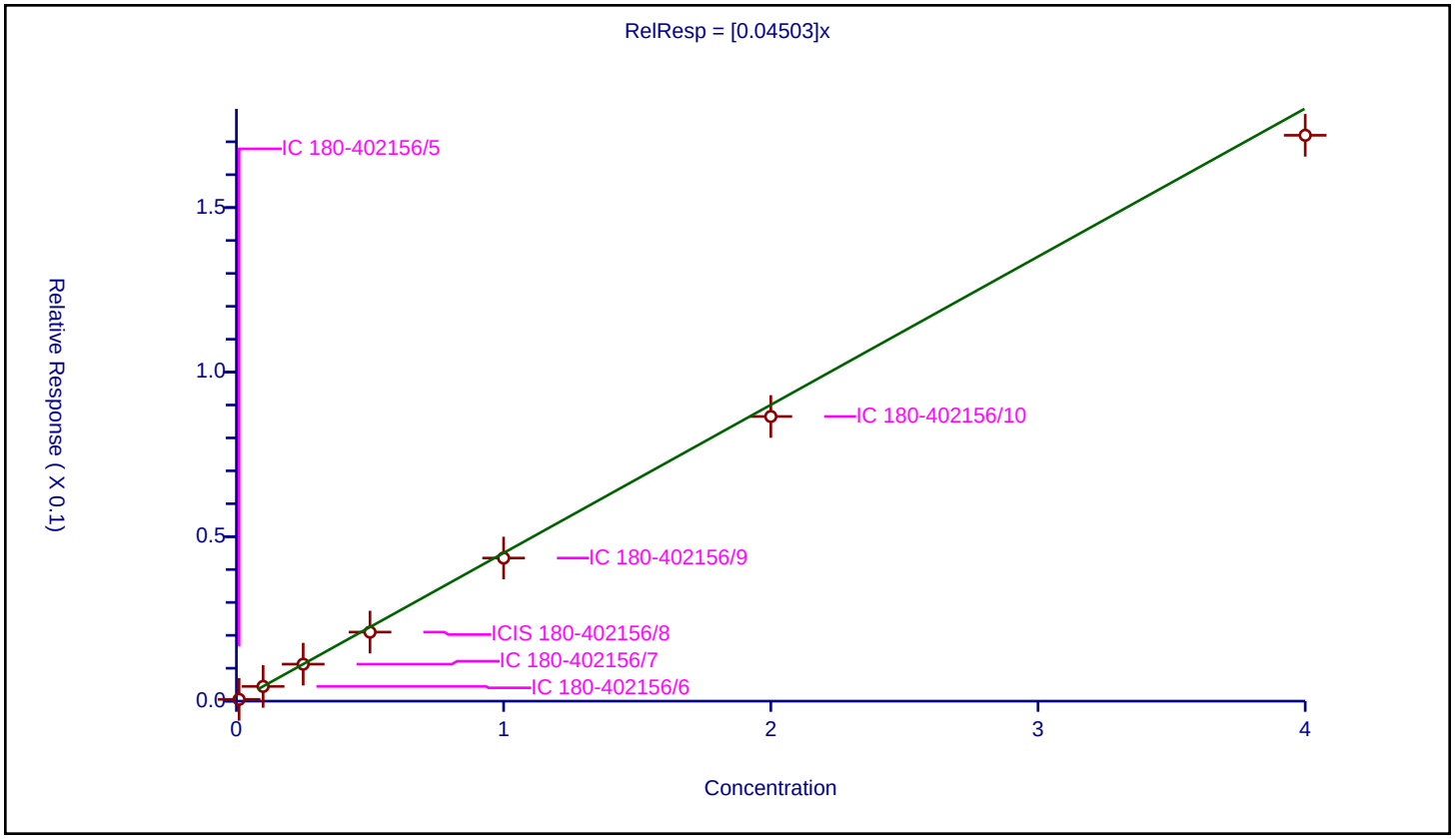
Curve Coefficients

Intercept:	0
Slope:	0.04503

Error Coefficients

Standard Error:	112000000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000537	0.1	143490695.0	0.053712	Y
2	IC 180-402156/6	0.1	0.004484	0.1	136247471.0	0.044841	Y
3	IC 180-402156/7	0.25	0.01124	0.1	139326719.0	0.044959	Y
4	ICIS 180-402156/8	0.5	0.020982	0.1	132428327.0	0.041964	Y
5	IC 180-402156/9	1.0	0.043491	0.1	137790685.0	0.043491	Y
6	IC 180-402156/10	2.0	0.086511	0.1	143416965.0	0.043256	Y
7	IC 180-402156/11	4.0	0.171978	0.1	136680819.0	0.042994	Y



Calibration / DCB Decachlorobiphenyl (Surr)

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

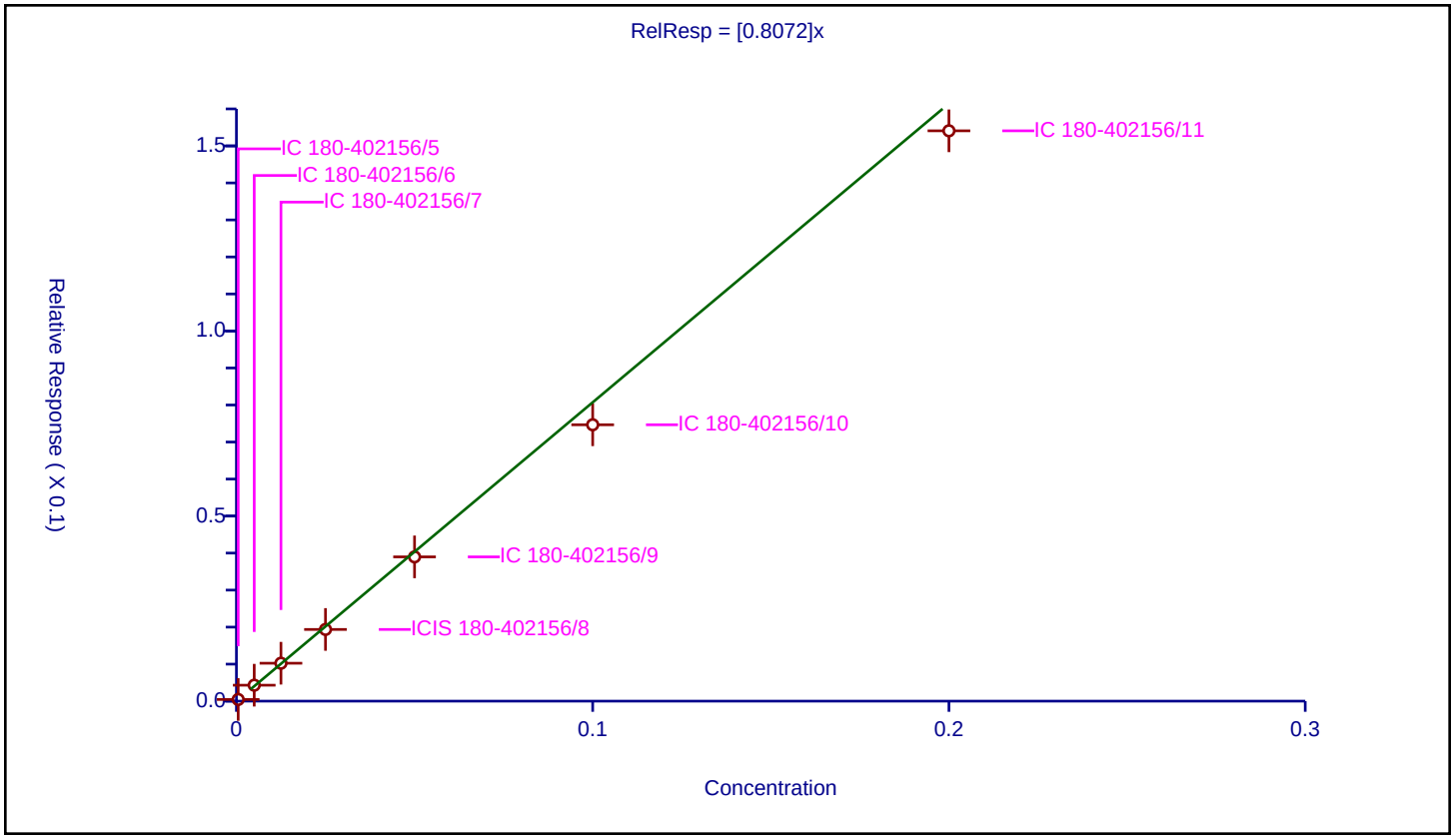
Curve Coefficients

Intercept:	0
Slope:	0.8072

Error Coefficients

Standard Error:	99700000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.0005	0.000449	0.1	143490695.0	0.898603	Y
2	IC 180-402156/6	0.005	0.004306	0.1	136247471.0	0.861241	Y
3	IC 180-402156/7	0.0125	0.010245	0.1	139326719.0	0.81957	Y
4	ICIS 180-402156/8	0.025	0.019367	0.1	132428327.0	0.774683	Y
5	IC 180-402156/9	0.05	0.038976	0.1	137790685.0	0.779511	Y
6	IC 180-402156/10	0.1	0.074663	0.1	143416965.0	0.746633	Y
7	IC 180-402156/11	0.2	0.15408	0.1	136680819.0	0.7704	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48794

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.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								
PCB-1016 Peak 1	0.0120 0.0115	0.0142 0.0112	0.0138	0.0124	0.0123	Ave		0.0125				9.0		20.0			
PCB-1016 Peak 2	0.0206 0.0156	0.0188 0.0152	0.0180	0.0168	0.0165	Ave		0.0173				11.0		20.0			
PCB-1016 Peak 3	0.0196 0.0146	0.0168 0.0148	0.0161	0.0150	0.0155	Ave		0.0161				10.7		20.0			
PCB-1016 Peak 4	0.0158 0.0125	0.0138 0.0125	0.0135	0.0125	0.0127	Ave		0.0133				9.0		20.0			
PCB-1016 Peak 5	0.0117 0.0094	0.0105 0.0094	0.0101	0.0094	0.0096	Ave		0.0100				8.6		20.0			
PCB-1260 Peak 1	0.0408 0.0347	0.0379 0.0349	0.0380	0.0355	0.0357	Ave		0.0368				6.1		20.0			
PCB-1260 Peak 2	0.0507 0.0444	0.0476 0.0434	0.0472	0.0440	0.0445	Ave		0.0460				5.7		20.0			
PCB-1260 Peak 3	0.0337 0.0332	0.0345 0.0336	0.0351	0.0320	0.0341	Ave		0.0337				3.0		20.0			
PCB-1260 Peak 4	0.0775 0.0804	0.0769 0.0822	0.0788	0.0741	0.0800	Ave		0.0785				3.4		20.0			
PCB-1260 Peak 5	0.0406 0.0416	0.0422 0.0431	0.0439	0.0409	0.0435	Ave		0.0423				3.1		20.0			
Tetrachloro-m-xylene (Surr)	0.8518 0.9459	0.8842 0.9868	0.9150	0.8863	0.9275	Ave		0.9139				4.9		20.0			
DCB Decachlorobiphenyl (Surr)	0.7403 0.7002	0.7600 0.7203	0.7538	0.7144	0.7089	Ave		0.7283				3.2		20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48794

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
PCB-1016 Peak 1	BNB	Ave	344604 63605558	3882437 116155686	9509128	16215130	33646475	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 2	BNB	Ave	590683 86238154	5134138 157483155	12454457	22042105	44872811	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 3	BNB	Ave	561285 81106447	4584213 153845037	11110265	19622029	42351068	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 4	BNB	Ave	452105 69367902	3770392 129669272	9322383	16426401	34630401	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1016 Peak 5	BNB	Ave	336691 52102553	2856017 96979697	6998320	12344893	26292636	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 1	PCB205	Ave	669112 114161923	5868434 221162965	14979086	26833333	57035499	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 2	PCB205	Ave	831162 146203985	7367159 275432361	18631367	33257330	71059717	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 3	PCB205	Ave	551982 109258560	5342614 213229721	13825071	24126892	54431178	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 4	PCB205	Ave	1269812 264438657	11897374 521058571	31068525	55977811	127713879	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
PCB-1260 Peak 5	PCB205	Ave	665670 136806513	6531625 273460838	17316690	30871782	69460014	0.0100 2.00	0.100 4.00	0.250	0.500	1.00
Tetrachloro-m-xylene (Surr)	BNB	Ave	1221614 262083527	12076425 511238775	31585041	58130445	126494734	0.000500 0.100	0.00500 0.200	0.0125	0.0250	0.0500

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
DCB Decachlorobiphenyl (Surr)	PCB205	Ave	606404 115206815	5880432 228427655	14866548	26972155	56574324	0.000500 0.100	0.00500 0.200	0.0125	0.0250	0.0500

Curve Type Legend
Ave = Average ISTD by Height

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402156

SDG No.:

Instrument ID: CHGC20 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2022 09:08 Calibration End Date: 06/16/2022 11:03 Calibration ID: 48794

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402156/5	06160005.D
Level 2	IC 180-402156/6	06160006.D
Level 3	IC 180-402156/7	06160007.D
Level 4	ICIS 180-402156/8	06160008.D
Level 5	IC 180-402156/9	06160009.D
Level 6	IC 180-402156/10	06160010.D
Level 7	IC 180-402156/11	06160011.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
PCB-1016 Peak 1	-3.8 -10.2	13.9	10.3	-1.0	-1.2	-8.1	50 30	30	30	30	30	30
PCB-1016 Peak 2	18.7 -12.4	8.3	4.0	-3.1	-5.2	-10.3	50 30	30	30	30	30	30
PCB-1016 Peak 3	21.9 -7.5	4.5	0.2	-6.8	-3.3	-8.9	50 30	30	30	30	30	30
PCB-1016 Peak 4	18.2 -6.1	3.5	1.3	-6.1	-4.8	-6.1	50 30	30	30	30	30	30
PCB-1016 Peak 5	17.1 -6.6	4.3	1.2	-6.1	-3.8	-6.2	50 30	30	30	30	30	30
PCB-1260 Peak 1	11.0 -5.2	3.1	3.2	-3.4	-2.9	-5.7	50 30	30	30	30	30	30
PCB-1260 Peak 2	10.3 -5.6	3.5	2.7	-4.2	-3.2	-3.4	50 30	30	30	30	30	30
PCB-1260 Peak 3	-0.1 -0.3	2.3	3.9	-5.3	1.1	-1.6	50 30	30	30	30	30	30
PCB-1260 Peak 4	-1.3 4.6	-2.1	0.3	-5.6	1.9	2.3	50 30	30	30	30	30	30
PCB-1260 Peak 5	-3.9 2.0	-0.1	3.9	-3.3	3.0	-1.6	50 30	30	30	30	30	30
Tetrachloro-m-xylene (Surr)	-6.8 8.0	-3.3	0.1	-3.0	1.5	3.5	50 30	30	30	30	30	30
DCB Decachlorobiphenyl (Surr)	1.6 -1.1	4.4	3.5	-1.9	-2.7	-3.9	50 30	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Jun-2022 09:08:25 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-005
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:05 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:40:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	221685489H	0.1000	0.1000	
2	2.948	2.949	-0.001	286834937H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.371	3.374	-0.003	990454H	0.000500	0.000478	
2	3.830	3.831	-0.001	1221614H	0.000500	0.000466	
						RPD = 2.48	
5 PCB-1016							M
1	3.696	3.699	-0.003	402836H	0.0100	0.0121	M
1	4.047	4.050	-0.003	546968H	0.0100	0.0116	
1	4.725	4.727	-0.002	572108H	0.0100	0.0130	
1	4.801	4.804	-0.003	318988H	0.0100	0.0107	
1	5.246	5.249	-0.003	388481H	0.0100	0.0113	
		Average of Peak Amounts =				0.0117	
2	4.378	4.379	-0.001	344604H	0.0100	0.009624	M
2	4.896	4.896	0.000	590683H	0.0100	0.0119	
2	5.763	5.763	0.000	561285H	0.0100	0.0122	
2	6.536	6.536	0.000	452105H	0.0100	0.0118	
2	7.302	7.304	-0.002	336691H	0.0100	0.0117	
		Average of Peak Amounts =				0.0114	
						RPD = 2.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	589996H	0.0100	0.0112	
1	7.696	7.696	0.000	745711H	0.0100	0.0107	
1	8.924	8.925	-0.001	546973H	0.0100	0.0109	
1	9.465	9.466	-0.001	1244651H	0.0100	0.0103	
1	9.925	9.927	-0.002	770716H	0.0100	0.0119	
		Average of Peak Amounts =				0.0110	
2	8.977	8.978	-0.001	669112H	0.0100	0.0111	
2	9.351	9.351	0.000	831162H	0.0100	0.0110	
2	10.569	10.569	0.000	551982H	0.0100	0.0100	
2	10.945	10.944	0.001	1269812H	0.0100	0.009868	
2	11.473	11.474	-0.001	665670H	0.0100	0.009614	
		Average of Peak Amounts =				0.0103	
						RPD = 6.40	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	143490695H	0.1000	0.1000	
2	12.307	12.308	-0.001	163833290H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.547	11.549	-0.002	644706H	0.000500	0.000557	
2	13.026	13.025	0.001	606404H	0.000500	0.000508	
						RPD = 9.08	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCAR1660CALL1_00036	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:08 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D

Injection Date: 16-Jun-2022 09:08:25 Instrument ID: CHGC20

Lims ID: IC

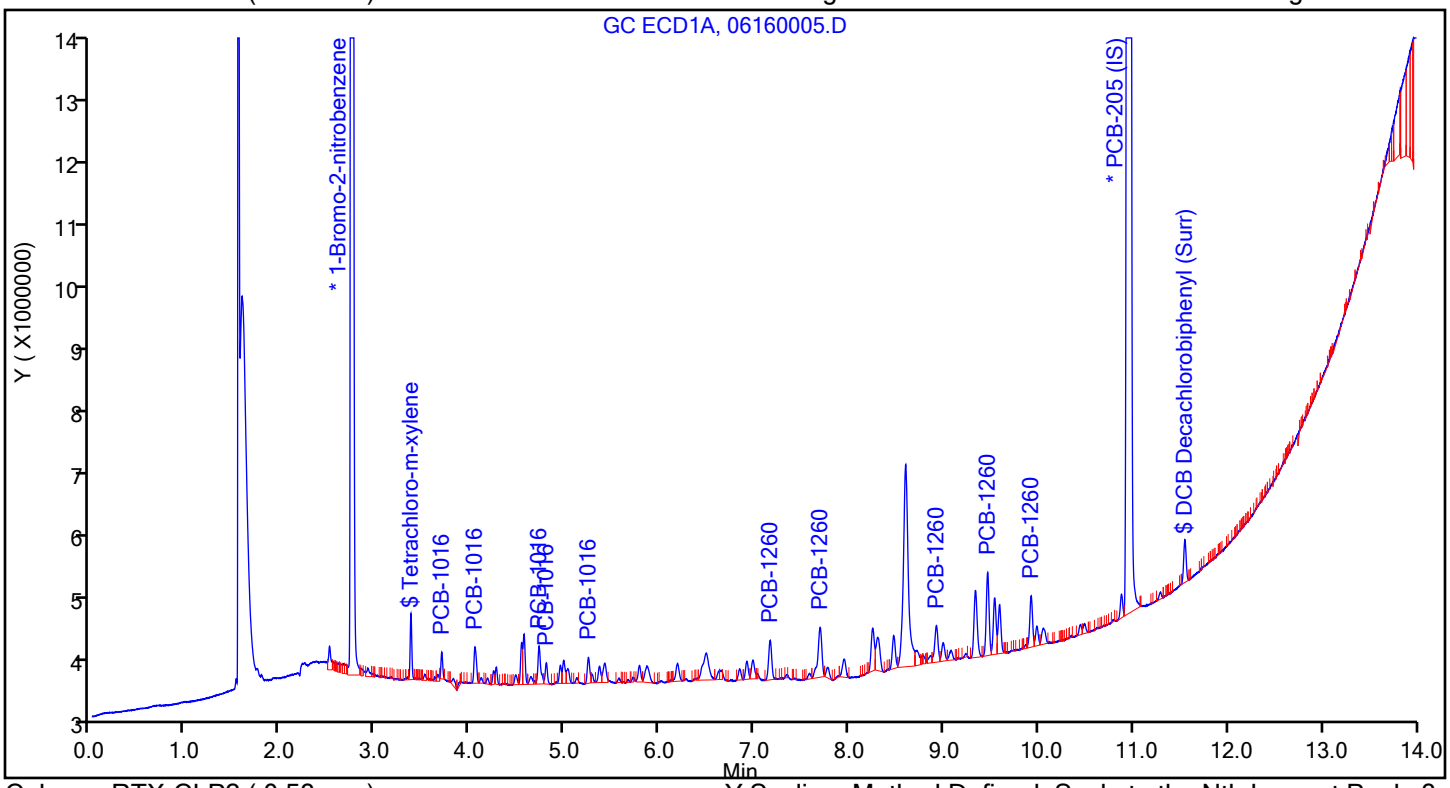
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

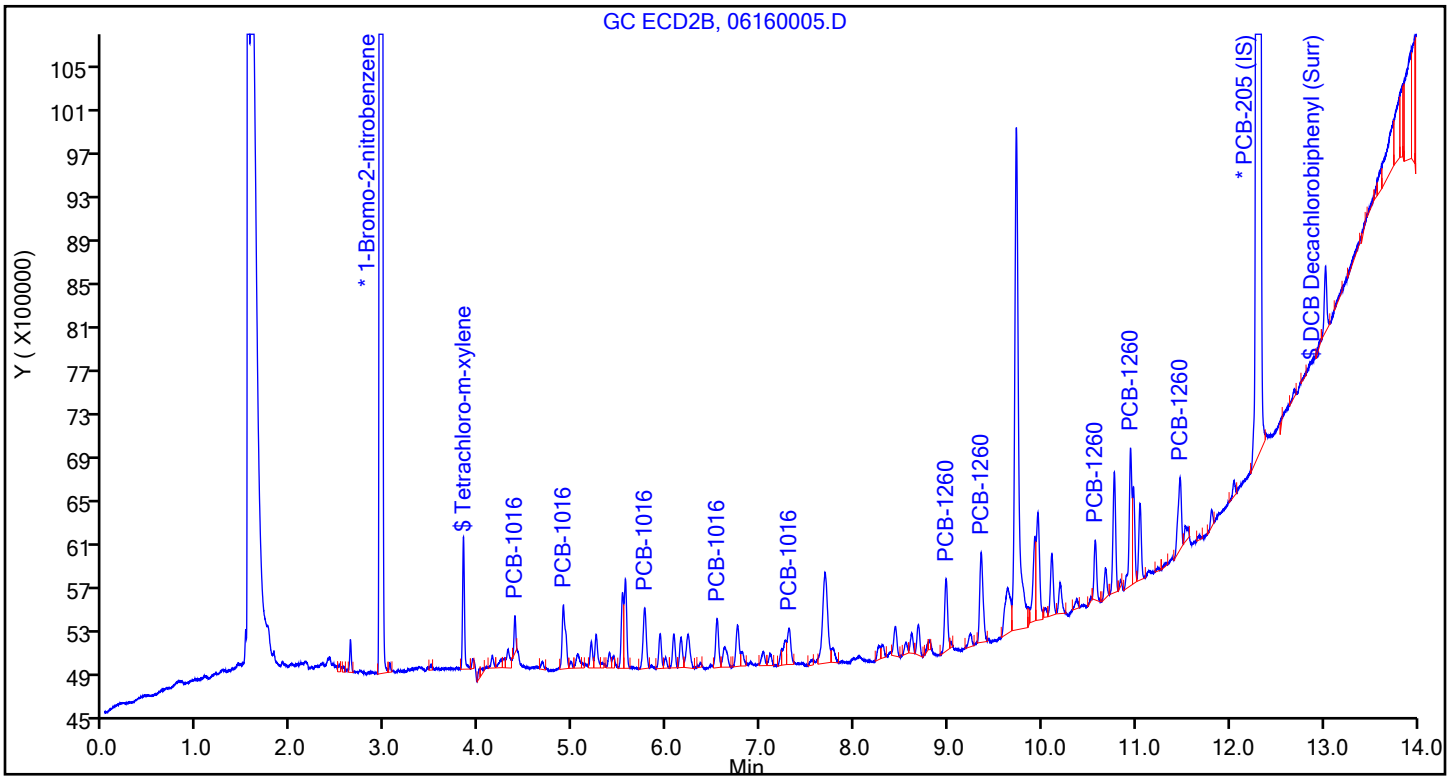
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Report Date: 17-Jun-2022 12:31:08 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160005.D

Injection Date: 16-Jun-2022 09:08:25 Instrument ID: CHGC20

Lims ID: IC

Client ID:

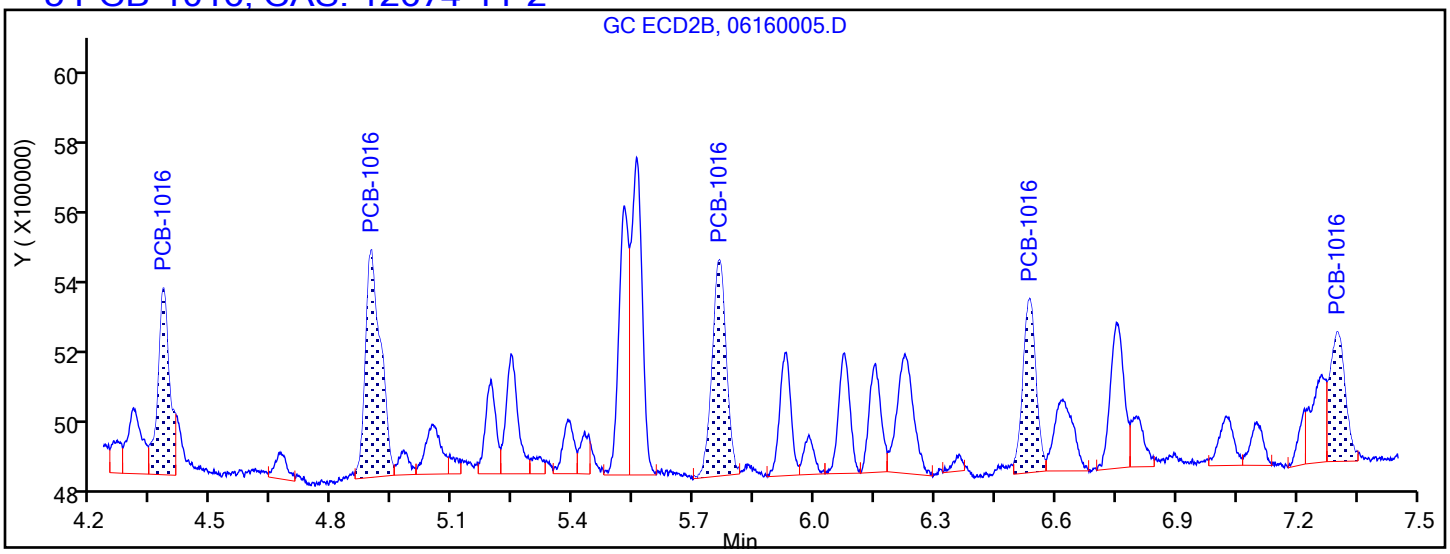
Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

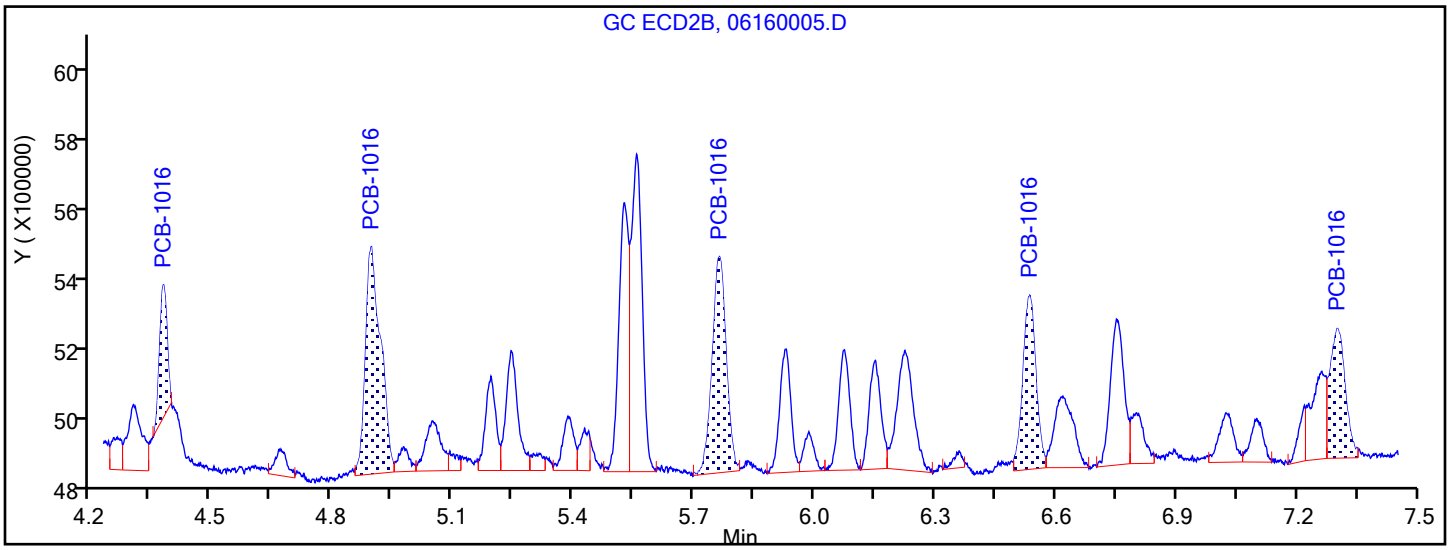
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

4.378	Response = 484710
4.896	Response = 590683
5.763	Response = 561285
6.536	Response = 452105
7.302	Response = 336691



Manual Integration Results

4.378	Response = 344604	M
4.896	Response = 590683	
5.763	Response = 561285	
6.536	Response = 452105	
7.302	Response = 336691	

Reviewer: oravecj, 17-Jun-2022 06:01:40

Audit Action: Manually Integrated Audit Reason: Instrument noise

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Jun-2022 09:27:21 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-006
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:09 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:47:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.747	2.749	-0.002	209505520H	0.1000	0.1000	
2	2.948	2.949	-0.001	273170118H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.371	3.374	-0.003	9712843H	0.005000	0.004957	
2	3.829	3.831	-0.002	12076425H	0.005000	0.004837	
						RPD = 2.45	
5 PCB-1016							
1	3.696	3.699	-0.003	3521570H	0.1000	0.1116	
1	4.048	4.050	-0.002	4935411H	0.1000	0.1107	
1	4.725	4.727	-0.002	4378750H	0.1000	0.1051	
1	4.801	4.804	-0.003	2966160H	0.1000	0.1050	
1	5.246	5.249	-0.003	3527759H	0.1000	0.1081	
		Average of Peak Amounts =				0.1081	
2	4.378	4.379	-0.001	3882437H	0.1000	0.1139	
2	4.896	4.896	0.000	5134138H	0.1000	0.1083	
2	5.762	5.763	-0.001	4584213H	0.1000	0.1045	
2	6.534	6.536	-0.002	3770392H	0.1000	0.1035	
2	7.302	7.304	-0.002	2856017H	0.1000	0.1043	
		Average of Peak Amounts =				0.1069	
						RPD = 1.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	5345319H	0.1000	0.1065	
1	7.693	7.696	-0.003	6881100H	0.1000	0.1036	
1	8.922	8.925	-0.003	4802273H	0.1000	0.1009	
1	9.464	9.466	-0.002	11192889H	0.1000	0.0980	
1	9.923	9.927	-0.004	6109537H	0.1000	0.0996	
		Average of Peak Amounts =				0.1017	
2	8.975	8.978	-0.003	5868434H	0.1000	0.1031	
2	9.349	9.351	-0.002	7367159H	0.1000	0.1035	
2	10.568	10.569	-0.001	5342614H	0.1000	0.1023	
2	10.944	10.944	0.000	11897374H	0.1000	0.0979	
2	11.473	11.474	-0.001	6531625H	0.1000	0.0999	
		Average of Peak Amounts =				0.1013	
						RPD = 0.38	
* 12 PCB-205 (IS)							
1	10.955	10.957	-0.002	136247471H	0.1000	0.1000	
2	12.306	12.308	-0.001	154749046H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.547	11.549	-0.002	5867097H	0.005000	0.005335	
2	13.023	13.025	-0.002	5880432H	0.005000	0.005218	
						RPD = 2.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL2_00025	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:11 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160006.D

Injection Date: 16-Jun-2022 09:27:21 Instrument ID: CHGC20

Lims ID: IC

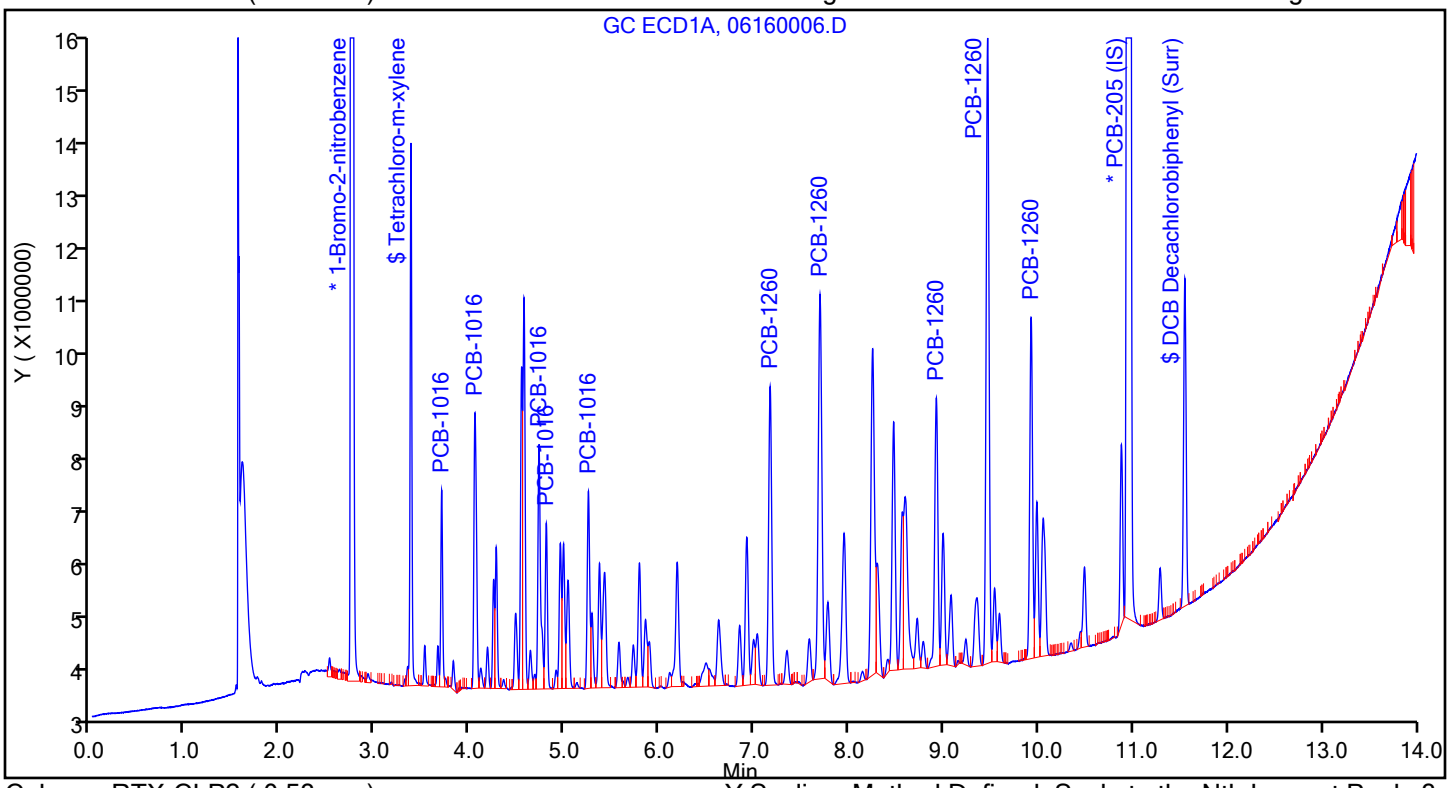
Client ID:

Operator ID: 402331 ALS Bottle#: 6 Worklist Smp#: 6

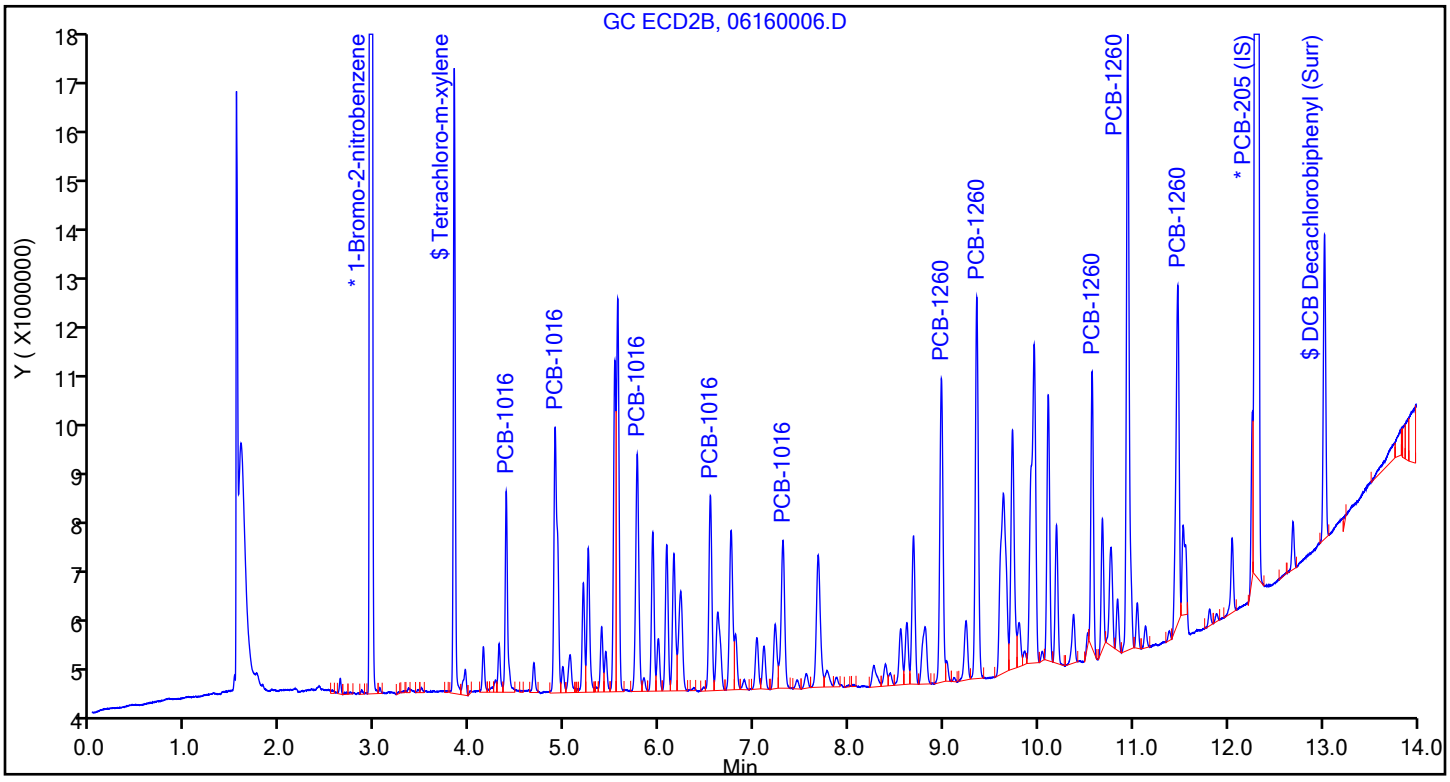
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Jun-2022 09:46:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-007
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:14 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:38:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	213442668H	0.1000	0.1000	
2	2.949	2.949	-0.001	276160769H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.373	3.374	-0.001	25018095H	0.0125	0.0125	
2	3.830	3.831	-0.001	31585041H	0.0125	0.0125	
						RPD = 0.15	
5 PCB-1016							
1	3.697	3.699	-0.002	8513093H	0.2500	0.2649	
1	4.049	4.050	-0.001	12098788H	0.2500	0.2665	
1	4.725	4.727	-0.002	10691167H	0.2500	0.2518	
1	4.803	4.804	-0.001	7375223H	0.2500	0.2563	
1	5.247	5.249	-0.002	8503504H	0.2500	0.2558	
		Average of Peak Amounts =				0.2591	
2	4.379	4.379	0.000	9509128H	0.2500	0.2758	
2	4.894	4.896	-0.002	12454457H	0.2500	0.2599	
2	5.762	5.763	-0.001	11110265H	0.2500	0.2505	
2	6.534	6.536	-0.002	9322383H	0.2500	0.2532	
2	7.302	7.304	-0.002	6998320H	0.2500	0.2529	
		Average of Peak Amounts =				0.2585	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	13209789H	0.2500	0.2574	
1	7.695	7.696	-0.001	17625919H	0.2500	0.2596	
1	8.924	8.925	-0.001	12692727H	0.2500	0.2607	
1	9.464	9.466	-0.002	29992374H	0.2500	0.2568	
1	9.924	9.927	-0.003	15659913H	0.2500	0.2496	
		Average of Peak Amounts =				0.2568	
2	8.978	8.978	0.000	14979086H	0.2500	0.2580	
2	9.350	9.351	-0.001	18631367H	0.2500	0.2567	
2	10.569	10.569	0.000	13825071H	0.2500	0.2598	
2	10.944	10.944	0.000	31068525H	0.2500	0.2507	
2	11.472	11.474	-0.002	17316690H	0.2500	0.2597	
		Average of Peak Amounts =				0.2570	
						RPD = 0.07	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	139326719H	0.1000	0.1000	
2	12.306	12.308	-0.002	157769642H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	14273506H	0.0125	0.0127	
2	13.024	13.025	-0.001	14866548H	0.0125	0.0129	
						RPD = 1.93	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL3_00024	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:15 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160007.D

Injection Date: 16-Jun-2022 09:46:30 Instrument ID: CHGC20

Lims ID: IC

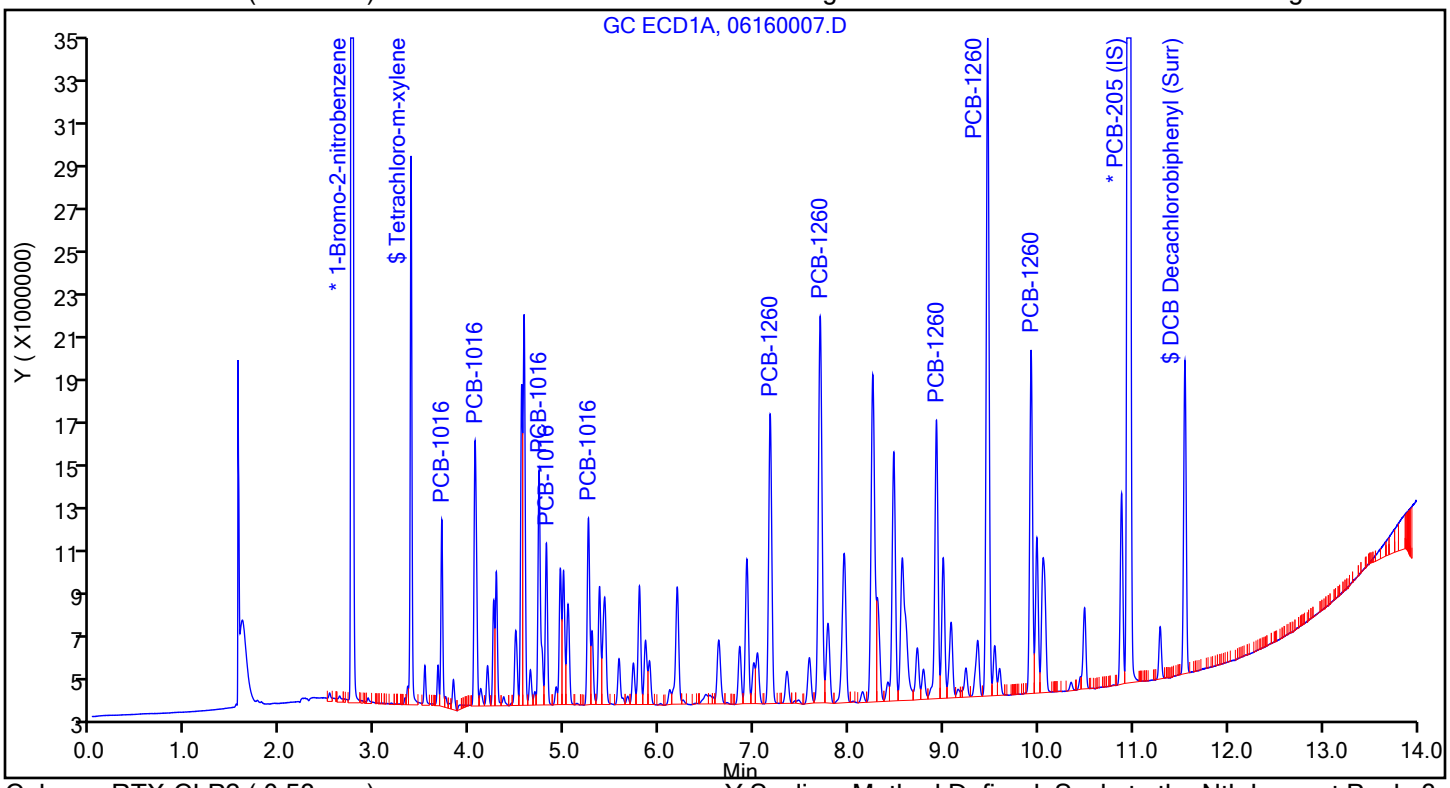
Client ID:

Operator ID: 402331 ALS Bottle#: 7 Worklist Smp#: 7

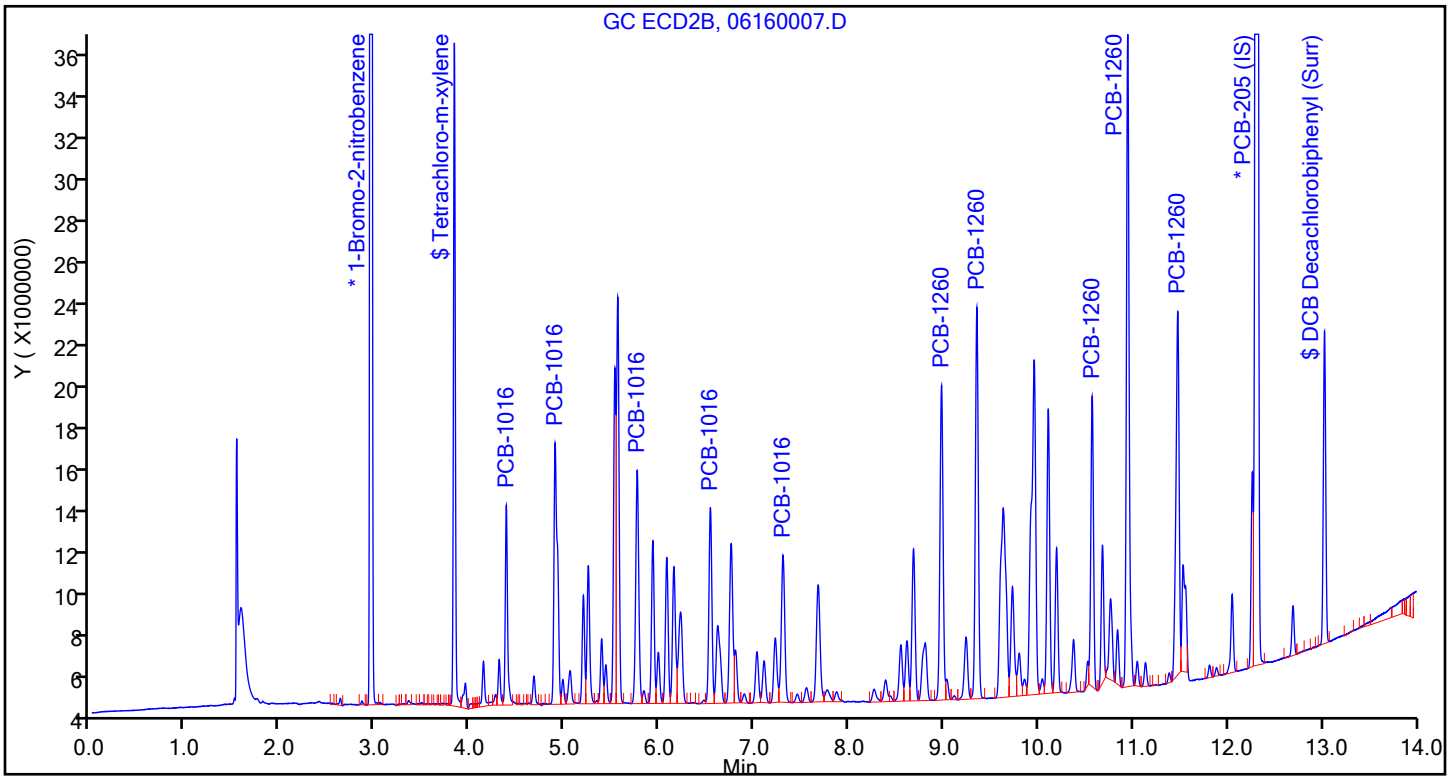
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160008.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 16-Jun-2022 10:05:40 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-008
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:19 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:37:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	0.000	203327940H	0.1000	0.1000	
2	2.949	2.949	0.000	262339113H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.374	3.374	0.000	45623440H	0.0250	0.0240	
2	3.831	3.831	0.000	58130445H	0.0250	0.0242	
						RPD = 1.05	
5 PCB-1016							
1	3.699	3.699	0.000	14660113H	0.5000	0.4789	
1	4.050	4.050	0.000	21013843H	0.5000	0.4859	
1	4.727	4.727	0.000	18789658H	0.5000	0.4646	
1	4.804	4.804	0.000	13189296H	0.5000	0.4811	
1	5.249	5.249	0.000	15035666H	0.5000	0.4747	
		Average of Peak Amounts =				0.4771	
2	4.379	4.379	0.000	16215130H	0.5000	0.4951	
2	4.896	4.896	0.000	22042105H	0.5000	0.4843	
2	5.763	5.763	0.000	19622029H	0.5000	0.4658	
2	6.536	6.536	0.000	16426401H	0.5000	0.4697	
2	7.304	7.304	0.000	12344893H	0.5000	0.4696	
		Average of Peak Amounts =				0.4769	
						RPD = 0.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.169	7.169	0.000	23639858H	0.5000	0.4847	
1	7.696	7.696	0.000	30950825H	0.5000	0.4795	
1	8.925	8.925	0.000	22292737H	0.5000	0.4818	
1	9.466	9.466	0.000	52948628H	0.5000	0.4769	
1	9.927	9.927	0.000	27786279H	0.5000	0.4659	
		Average of Peak Amounts =				0.4778	
2	8.978	8.978	0.000	26833333H	0.5000	0.4829	
2	9.351	9.351	0.000	33257330H	0.5000	0.4788	
2	10.569	10.569	0.000	24126892H	0.5000	0.4736	
2	10.944	10.944	0.000	55977811H	0.5000	0.4719	
2	11.474	11.474	0.000	30871782H	0.5000	0.4837	
		Average of Peak Amounts =				0.4782	
						RPD = 0.09	
* 12 PCB-205 (IS)							
1	10.957	10.957	0.000	132428327H	0.1000	0.1000	
2	12.308	12.308	0.000	151013199H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	25647498H	0.0250	0.0240	
2	13.025	13.025	0.000	26972155H	0.0250	0.0245	
						RPD = 2.20	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL4_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:20 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160008.D

Injection Date: 16-Jun-2022 10:05:40 Instrument ID: CHGC20

Lims ID: ICIS

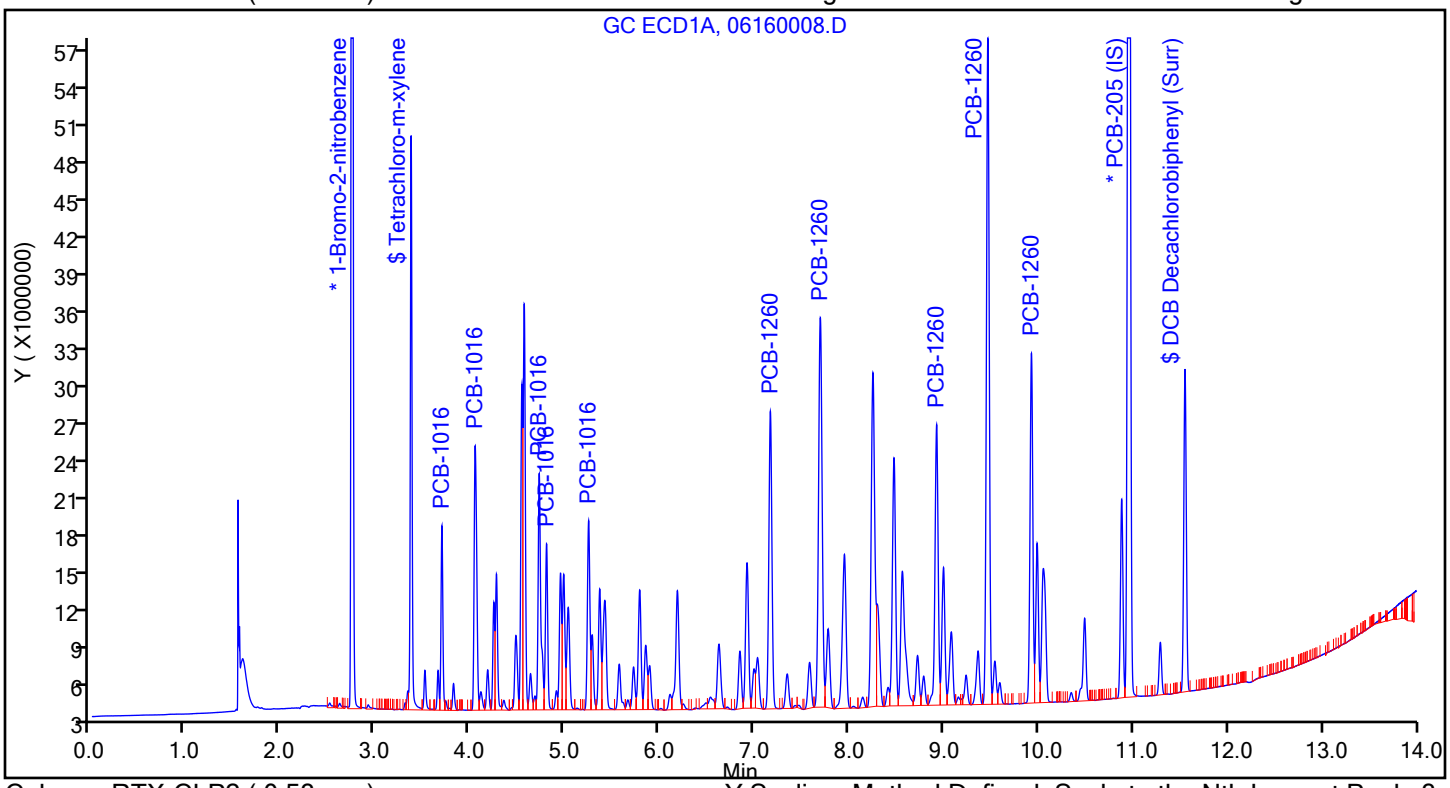
Client ID:

Operator ID: 402331 ALS Bottle#: 8 Worklist Smp#: 8

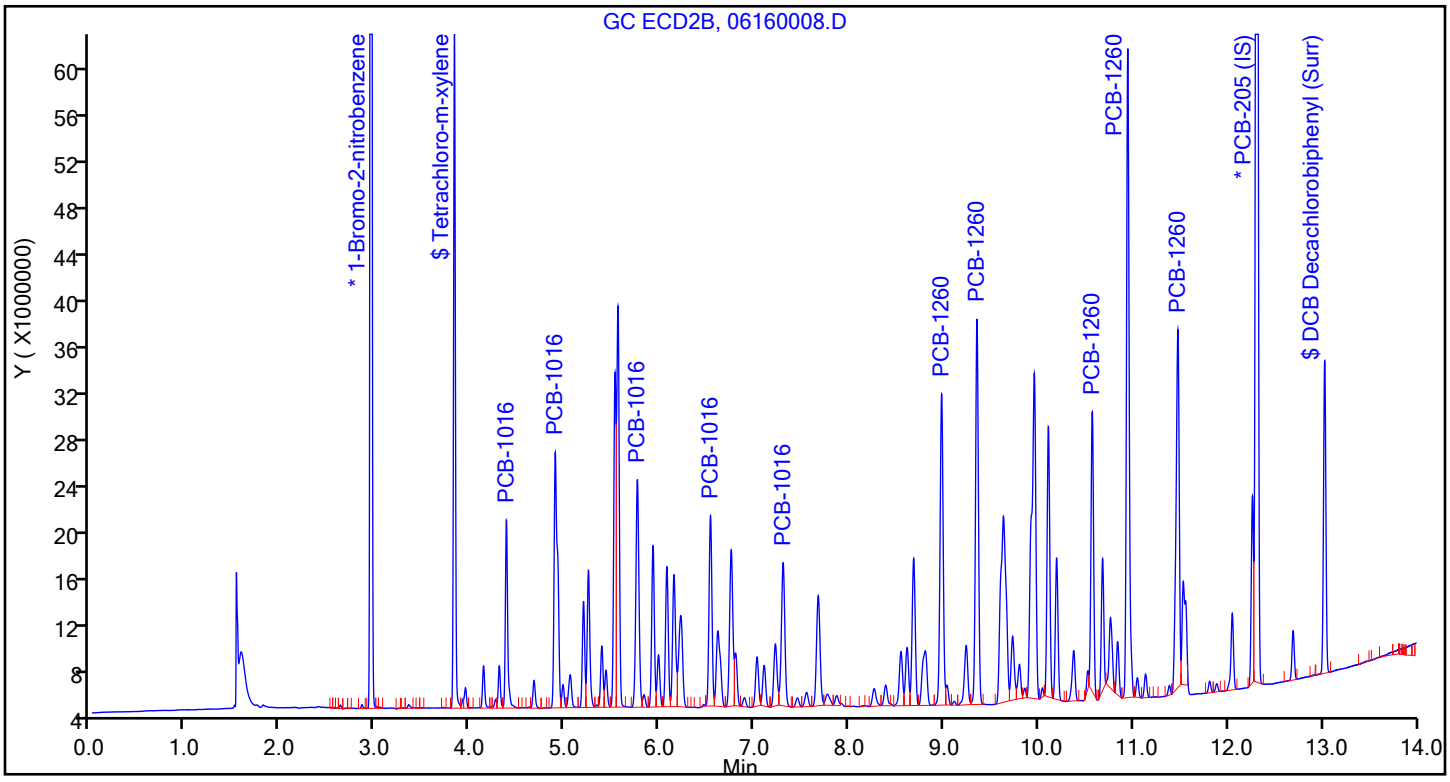
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Jun-2022 10:24:45 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-009
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:25 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:47:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	211691208H	0.1000	0.1000	
2	2.949	2.949	-0.001	272772040H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.373	3.374	-0.001	101422310H	0.0500	0.0512	
2	3.830	3.831	-0.001	126494734H	0.0500	0.0507	
						RPD = 0.96	
5 PCB-1016							
1	3.697	3.699	-0.002	30037166H	1.00	0.9424	
1	4.050	4.050	0.000	42718198H	1.00	0.9486	
1	4.726	4.727	-0.001	38780387H	1.00	0.9211	
1	4.802	4.804	-0.002	28051247H	1.00	0.9828	
1	5.248	5.249	-0.001	31689485H	1.00	0.9610	
		Average of Peak Amounts =				0.9512	
2	4.379	4.379	0.000	33646475H	1.00	0.9881	
2	4.896	4.896	0.000	44872811H	1.00	0.9482	
2	5.762	5.763	-0.001	42351068H	1.00	0.9668	
2	6.535	6.536	-0.001	34630401H	1.00	0.9523	
2	7.302	7.304	-0.002	26292636H	1.00	0.9620	
		Average of Peak Amounts =				0.9635	
						RPD = 1.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.166	7.169	-0.003	48820334H	1.00	0.9620	
1	7.695	7.696	-0.001	66277413H	1.00	0.9869	
1	8.924	8.925	-0.001	47551183H	1.00	0.9877	
1	9.465	9.466	-0.001	117164807H	1.00	1.01	
1	9.926	9.927	-0.001	59925877H	1.00	0.9658	
		Average of Peak Amounts =				0.9833	
2	8.976	8.978	-0.002	57035499H	1.00	0.9712	
2	9.350	9.351	-0.001	71059717H	1.00	0.9679	
2	10.569	10.569	0.000	54431178H	1.00	1.01	
2	10.944	10.944	0.000	127713879H	1.00	1.02	
2	11.473	11.474	-0.001	69460014H	1.00	1.03	
		Average of Peak Amounts =				1.00	
						RPD = 1.65	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	137790685H	0.1000	0.1000	
2	12.307	12.308	-0.001	159604672H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	53704692H	0.0500	0.0483	
2	13.024	13.025	-0.001	56574324H	0.0500	0.0487	
						RPD = 0.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL5_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:26 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160009.D

Injection Date: 16-Jun-2022 10:24:45 Instrument ID: CHGC20

Lims ID: IC

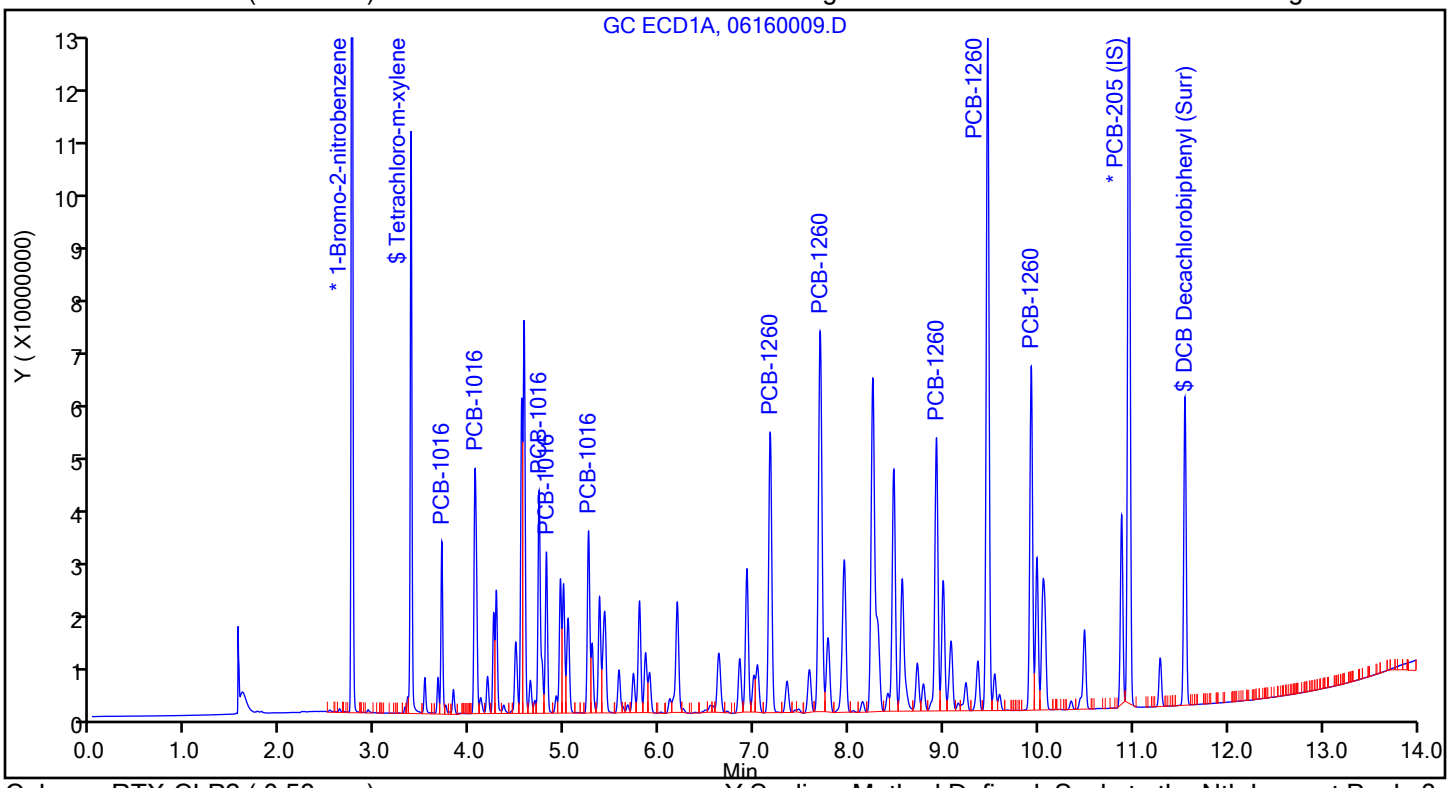
Client ID:

Operator ID: 402331 ALS Bottle#: 9 Worklist Smp#: 9

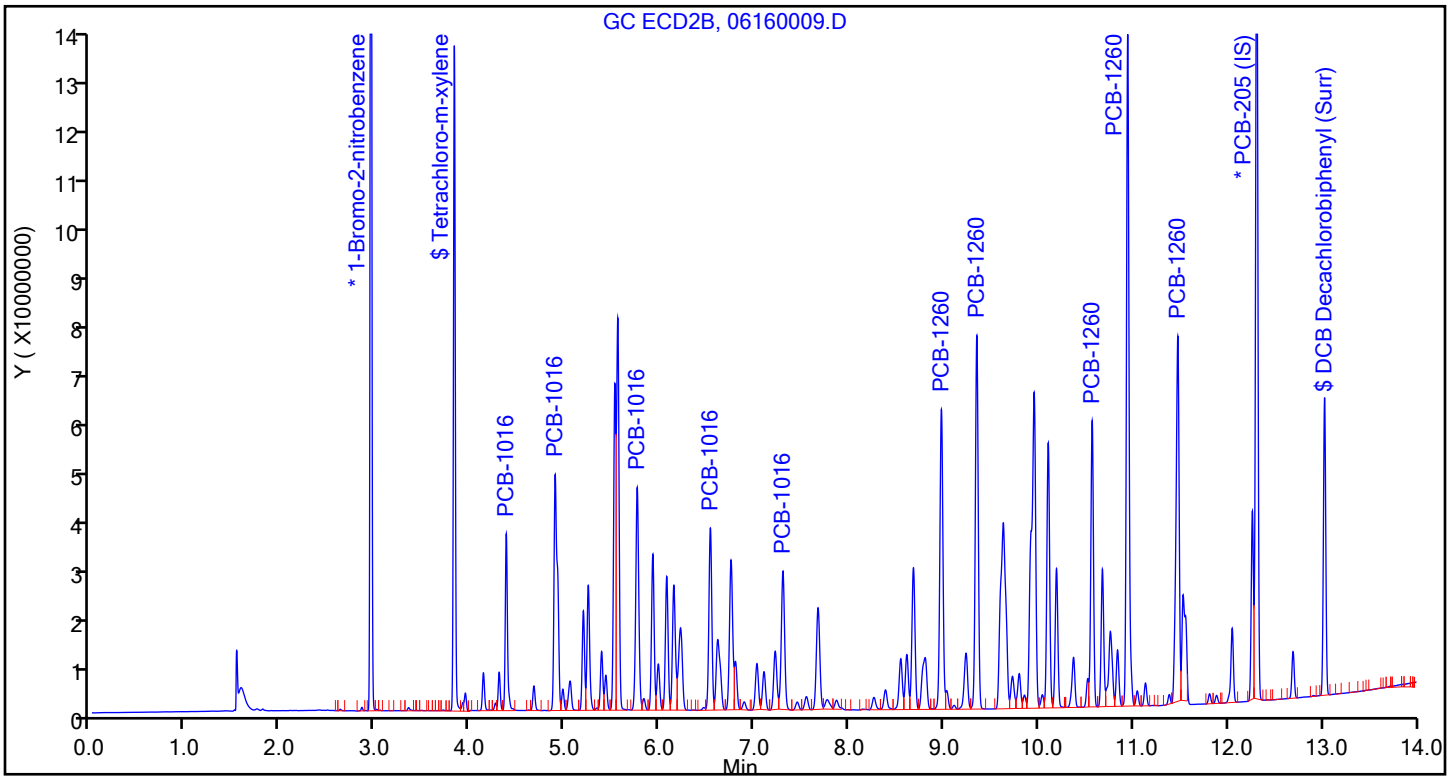
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Jun-2022 10:43:47 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-010
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:30 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.000	213405626H	0.1000	0.1000	
2	2.949	2.949	0.000	277080052H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.374	3.374	0.000	201553135H	0.1000	0.1010	
2	3.831	3.831	0.000	262083527H	0.1000	0.1035	
						RPD = 2.45	
5 PCB-1016							
1	3.698	3.699	-0.001	55868541H	2.00	1.74	
1	4.050	4.050	0.000	80249762H	2.00	1.77	
1	4.726	4.727	-0.001	76155733H	2.00	1.79	
1	4.803	4.804	-0.001	54478336H	2.00	1.89	
1	5.248	5.249	-0.001	62140068H	2.00	1.87	
		Average of Peak Amounts =				1.81	
2	4.379	4.379	0.000	63605558H	2.00	1.84	
2	4.896	4.896	0.000	86238154H	2.00	1.79	
2	5.763	5.763	0.000	81106447H	2.00	1.82	
2	6.535	6.536	-0.001	69367902H	2.00	1.88	
2	7.302	7.304	-0.002	52102553H	2.00	1.88	
		Average of Peak Amounts =				1.84	
						RPD = 1.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.168	7.169	-0.001	97786666H	2.00	1.85	
1	7.696	7.696	0.000	134433457H	2.00	1.92	
1	8.924	8.925	-0.001	94445137H	2.00	1.88	
1	9.466	9.466	0.000	238425743H	2.00	1.98	
1	9.925	9.927	-0.002	124071483H	2.00	1.92	
		Average of Peak Amounts =				1.91	
2	8.976	8.978	-0.002	114161923H	2.00	1.89	
2	9.350	9.351	-0.001	146203985H	2.00	1.93	
2	10.568	10.569	-0.001	109258560H	2.00	1.97	
2	10.944	10.944	0.000	264438657H	2.00	2.05	
2	11.474	11.474	0.000	136806513H	2.00	1.97	
		Average of Peak Amounts =				1.96	
						RPD = 2.44	
* 12 PCB-205 (IS)							
1	10.956	10.957	-0.001	143416965H	0.1000	0.1000	
2	12.307	12.308	-0.001	164537927H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.549	11.549	0.000	107079821H	0.1000	0.0925	
2	13.023	13.025	-0.002	115206815H	0.1000	0.0961	
						RPD = 3.87	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL6_00023	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:32 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160010.D

Injection Date: 16-Jun-2022 10:43:47 Instrument ID: CHGC20

Lims ID: IC

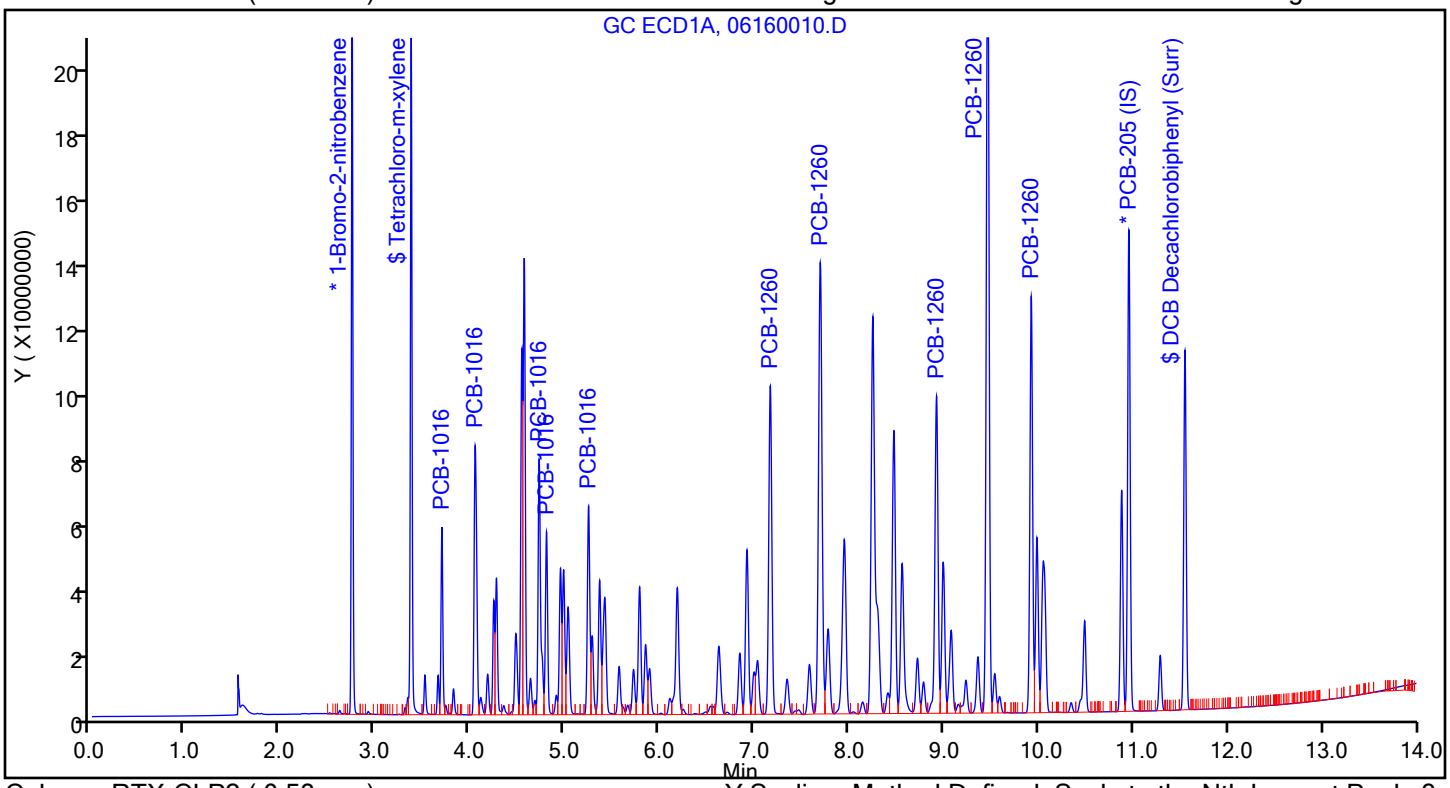
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

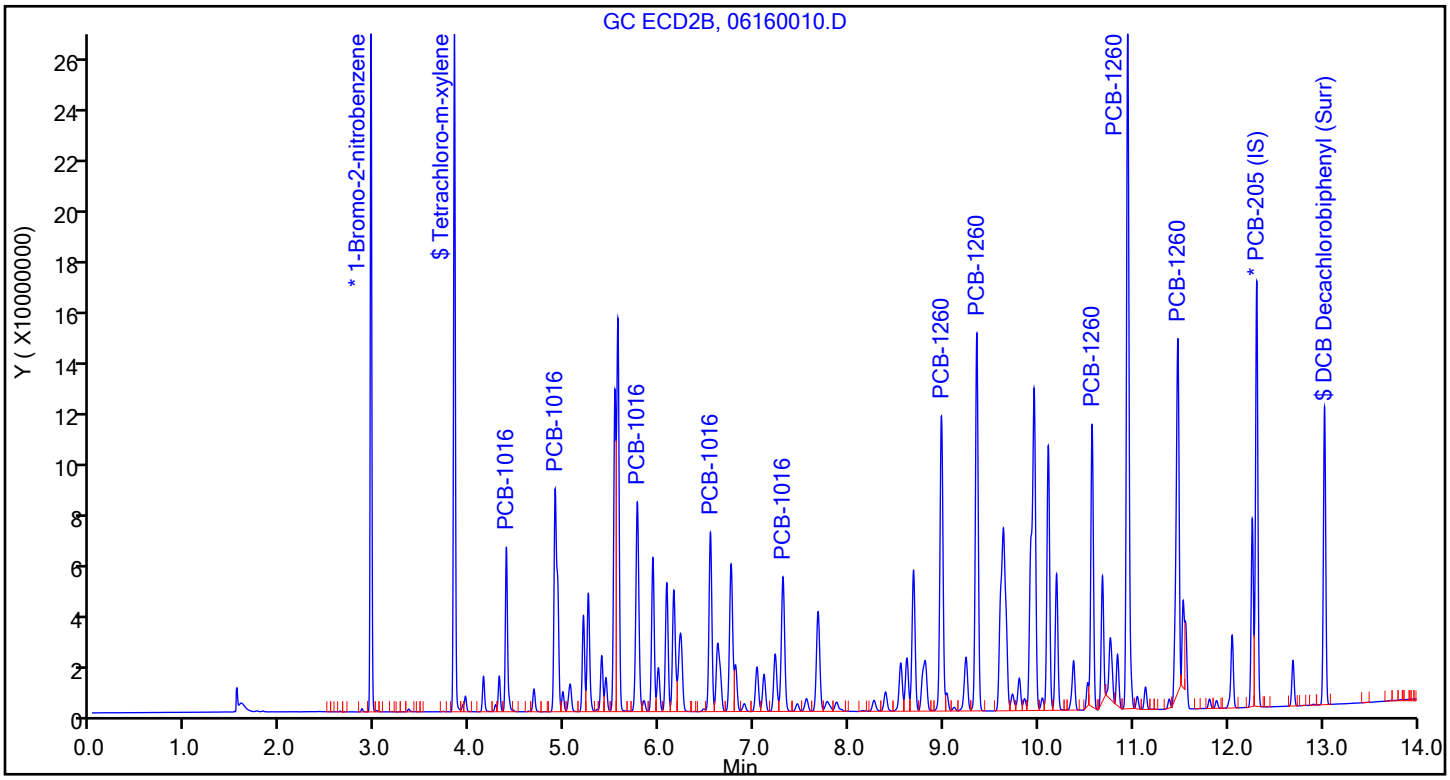
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Jun-2022 11:03:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-011
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.001	199543248H	0.1000	0.1000	
2	2.950	2.949	0.001	259043392H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.375	3.374	0.001	394207132H	0.2000	0.2112	
2	3.832	3.831	0.001	511238775H	0.2000	0.2159	
						RPD = 2.20	
5 PCB-1016							
1	3.699	3.699	0.000	101813319H	4.00	3.39	
1	4.052	4.050	0.002	146442607H	4.00	3.45	
1	4.728	4.727	0.001	142345223H	4.00	3.59	
1	4.805	4.804	0.001	103911529H	4.00	3.86	
1	5.250	5.249	0.001	115080635H	4.00	3.70	
		Average of Peak Amounts =				3.60	
2	4.380	4.379	0.001	116155686H	4.00	3.59	
2	4.898	4.896	0.002	157483155H	4.00	3.50	
2	5.764	5.763	0.001	153845037H	4.00	3.70	
2	6.537	6.536	0.001	129669272H	4.00	3.75	
2	7.304	7.304	0.000	96979697H	4.00	3.74	
		Average of Peak Amounts =				3.66	
						RPD = 1.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.170	7.169	0.001	187600864	H	4.00	3.73
1	7.698	7.696	0.002	253639448	H	4.00	3.81
1	8.925	8.925	0.000	184127285	H	4.00	3.86
1	9.467	9.466	0.001	457898042	H	4.00	4.00
1	9.927	9.927	0.000	235060778	H	4.00	3.82
		Average of Peak Amounts =					3.84
2	8.978	8.978	0.000	221162965	H	4.00	3.79
2	9.351	9.351	0.000	275432361	H	4.00	3.78
2	10.568	10.569	-0.001	213229721	H	4.00	3.99
2	10.945	10.944	0.001	521058571	H	4.00	4.18
2	11.473	11.474	-0.001	273460838	H	4.00	4.08
		Average of Peak Amounts =					3.96
						RPD =	3.14
* 12 PCB-205 (IS)							
1	10.958	10.957	0.002	136680819	H	0.1000	0.1000
2	12.308	12.308	0.000	158564058	H	0.1000	0.1000
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.550	11.549	0.001	210597878	H	0.2000	0.1909
2	13.024	13.025	-0.001	228427655	H	0.2000	0.1978
						RPD =	3.57

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660CALL7_00024	Amount Added: 1.00	Units: mL	
PCBINT_00021	Amount Added: 0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:31:36 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Injection Date: 16-Jun-2022 11:03:05 Instrument ID: CHGC20

Lims ID: IC

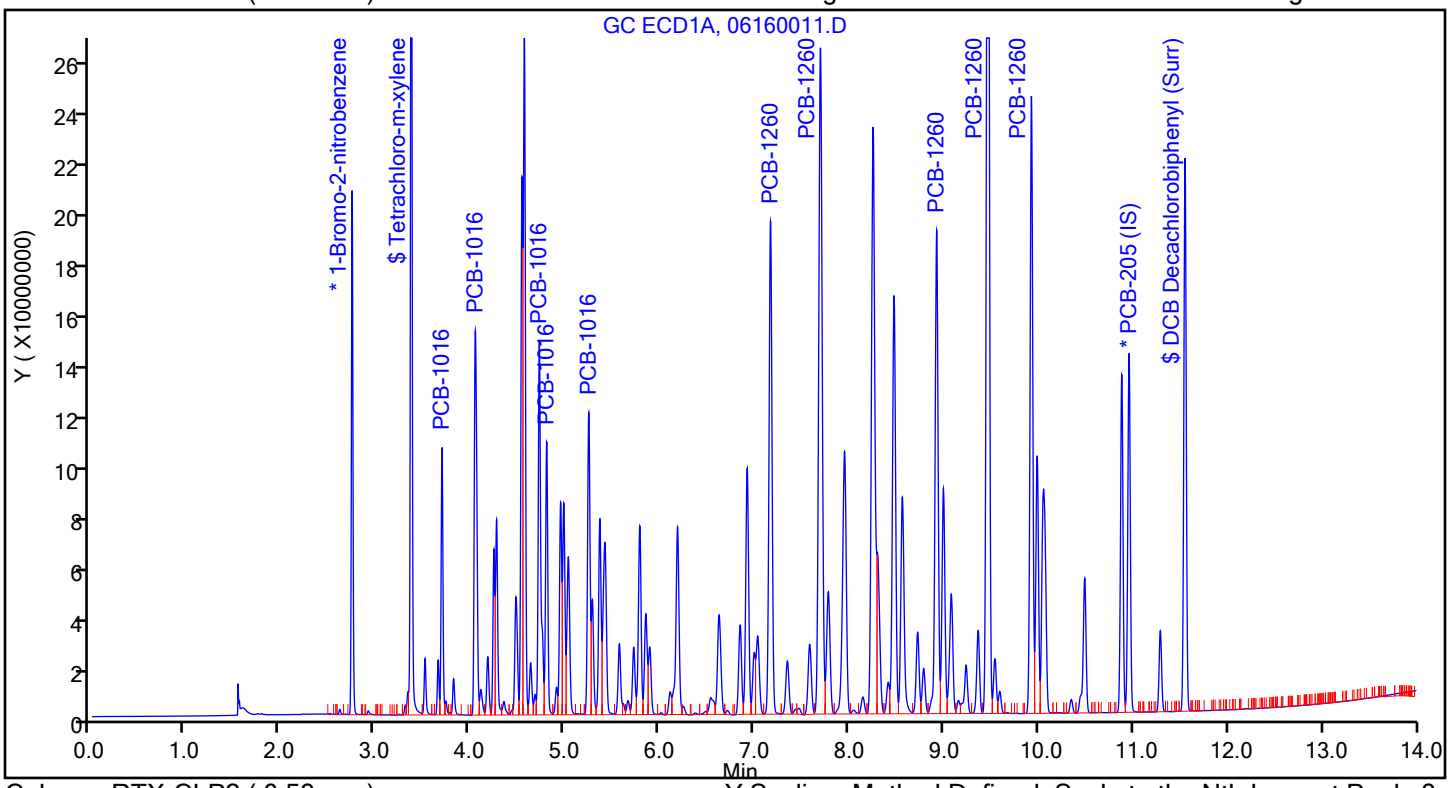
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

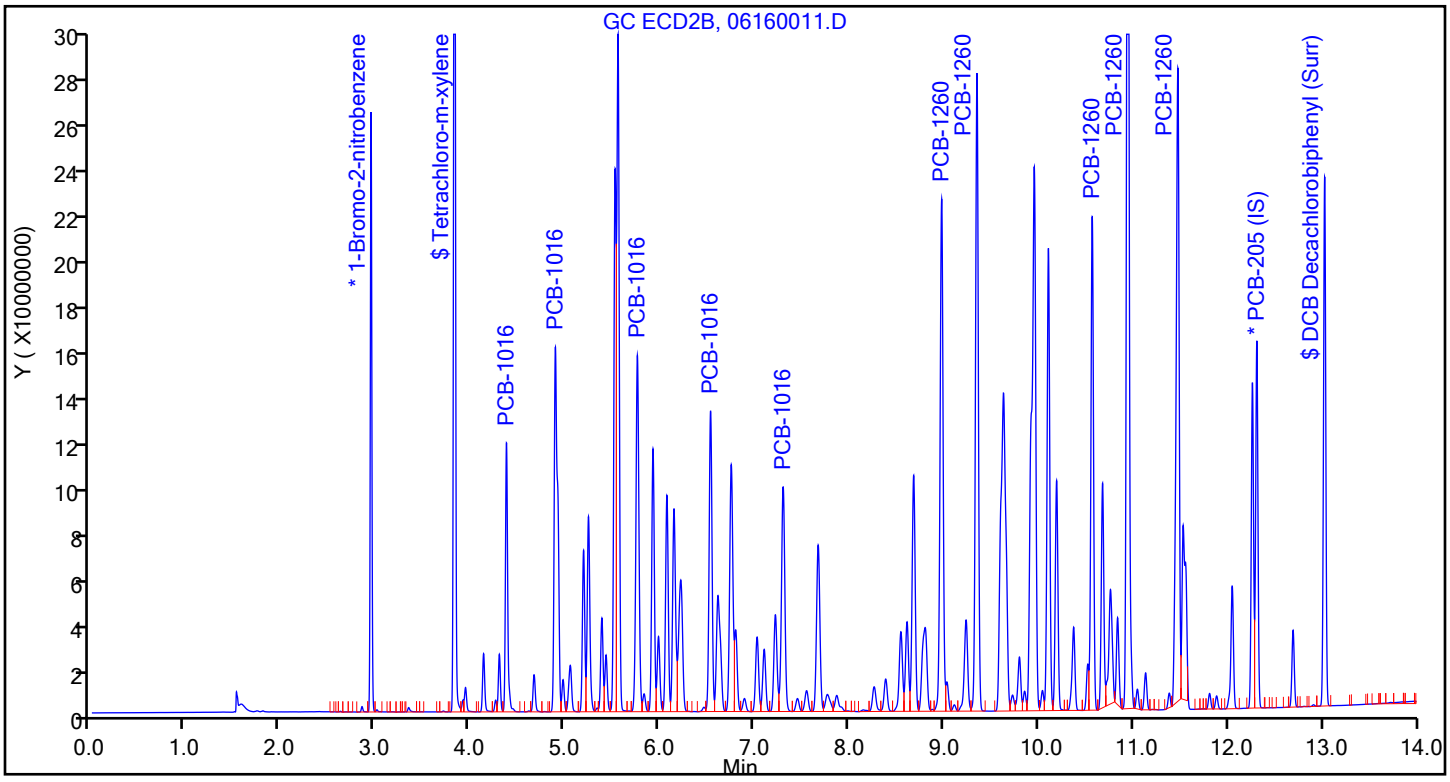
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Calibration / Tetrachloro-m-xylene

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

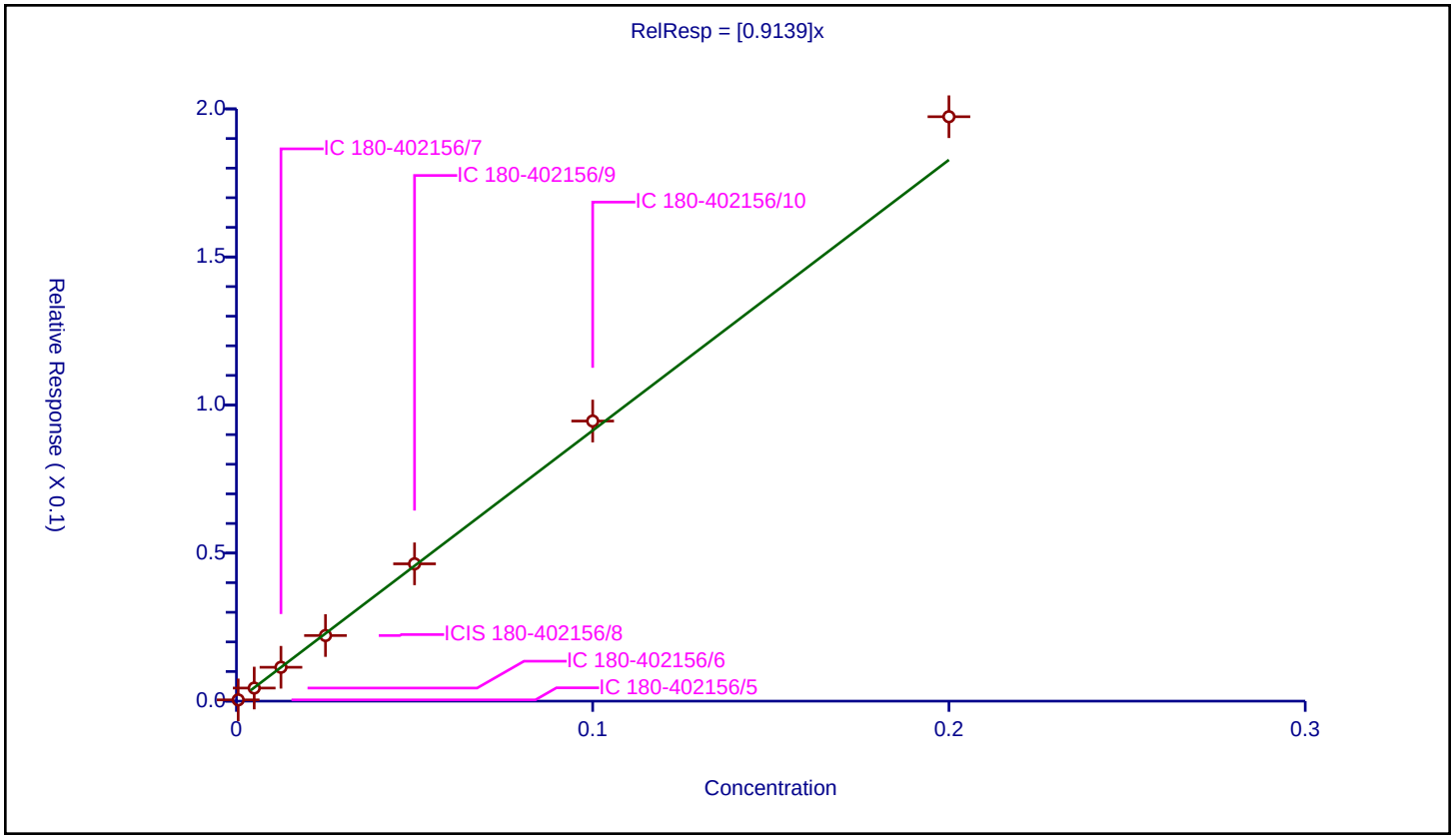
Curve Coefficients

Intercept:	0
Slope:	0.9139

Error Coefficients

Standard Error:	242000000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.0005	0.000426	0.1	286834937.0	0.851789	Y
2	IC 180-402156/6	0.005	0.004421	0.1	273170118.0	0.884169	Y
3	IC 180-402156/7	0.0125	0.011437	0.1	276160769.0	0.914975	Y
4	ICIS 180-402156/8	0.025	0.022159	0.1	262339113.0	0.88634	Y
5	IC 180-402156/9	0.05	0.046374	0.1	272772040.0	0.927476	Y
6	IC 180-402156/10	0.1	0.094588	0.1	277080052.0	0.945877	Y
7	IC 180-402156/11	0.2	0.197356	0.1	259043392.0	0.986782	Y



Calibration / PCB-1016 Peak 1

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

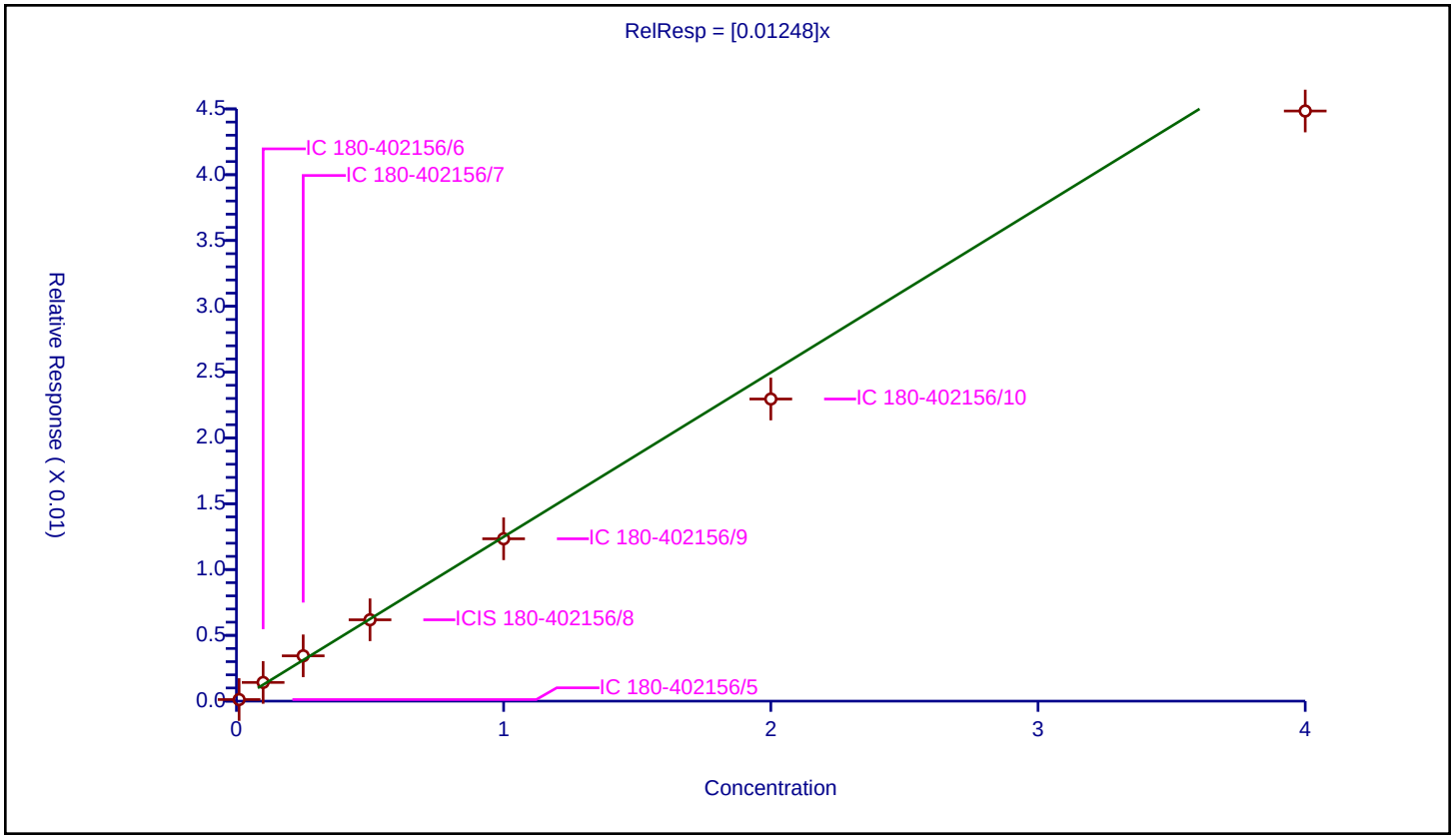
Curve Coefficients

Intercept:	0
Slope:	0.01248

Error Coefficients

Standard Error:	56300000
Relative Standard Error:	9.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.00012	0.1	286834937.0	0.012014	Y
2	IC 180-402156/6	0.1	0.001421	0.1	273170118.0	0.014213	Y
3	IC 180-402156/7	0.25	0.003443	0.1	276160769.0	0.013773	Y
4	ICIS 180-402156/8	0.5	0.006181	0.1	262339113.0	0.012362	Y
5	IC 180-402156/9	1.0	0.012335	0.1	272772040.0	0.012335	Y
6	IC 180-402156/10	2.0	0.022956	0.1	277080052.0	0.011478	Y
7	IC 180-402156/11	4.0	0.04484	0.1	259043392.0	0.01121	Y



Calibration / PCB-1016 Peak 2

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

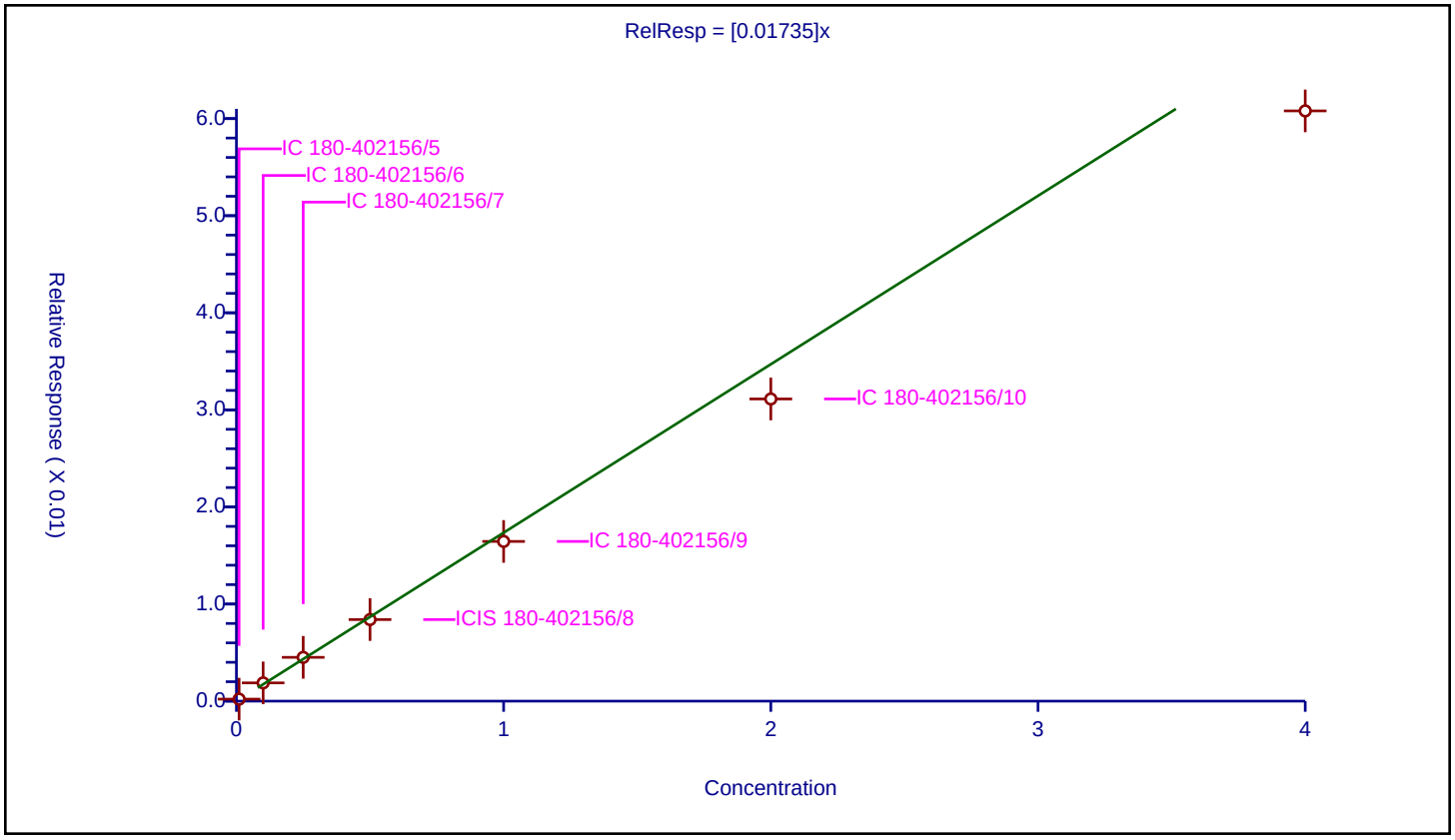
Curve Coefficients

Intercept:	0
Slope:	0.01735

Error Coefficients

Standard Error:	76300000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000206	0.1	286834937.0	0.020593	Y
2	IC 180-402156/6	0.1	0.001879	0.1	273170118.0	0.018795	Y
3	IC 180-402156/7	0.25	0.00451	0.1	276160769.0	0.018039	Y
4	ICIS 180-402156/8	0.5	0.008402	0.1	262339113.0	0.016804	Y
5	IC 180-402156/9	1.0	0.016451	0.1	272772040.0	0.016451	Y
6	IC 180-402156/10	2.0	0.031124	0.1	277080052.0	0.015562	Y
7	IC 180-402156/11	4.0	0.060794	0.1	259043392.0	0.015199	Y



Calibration / PCB-1016 Peak 3

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

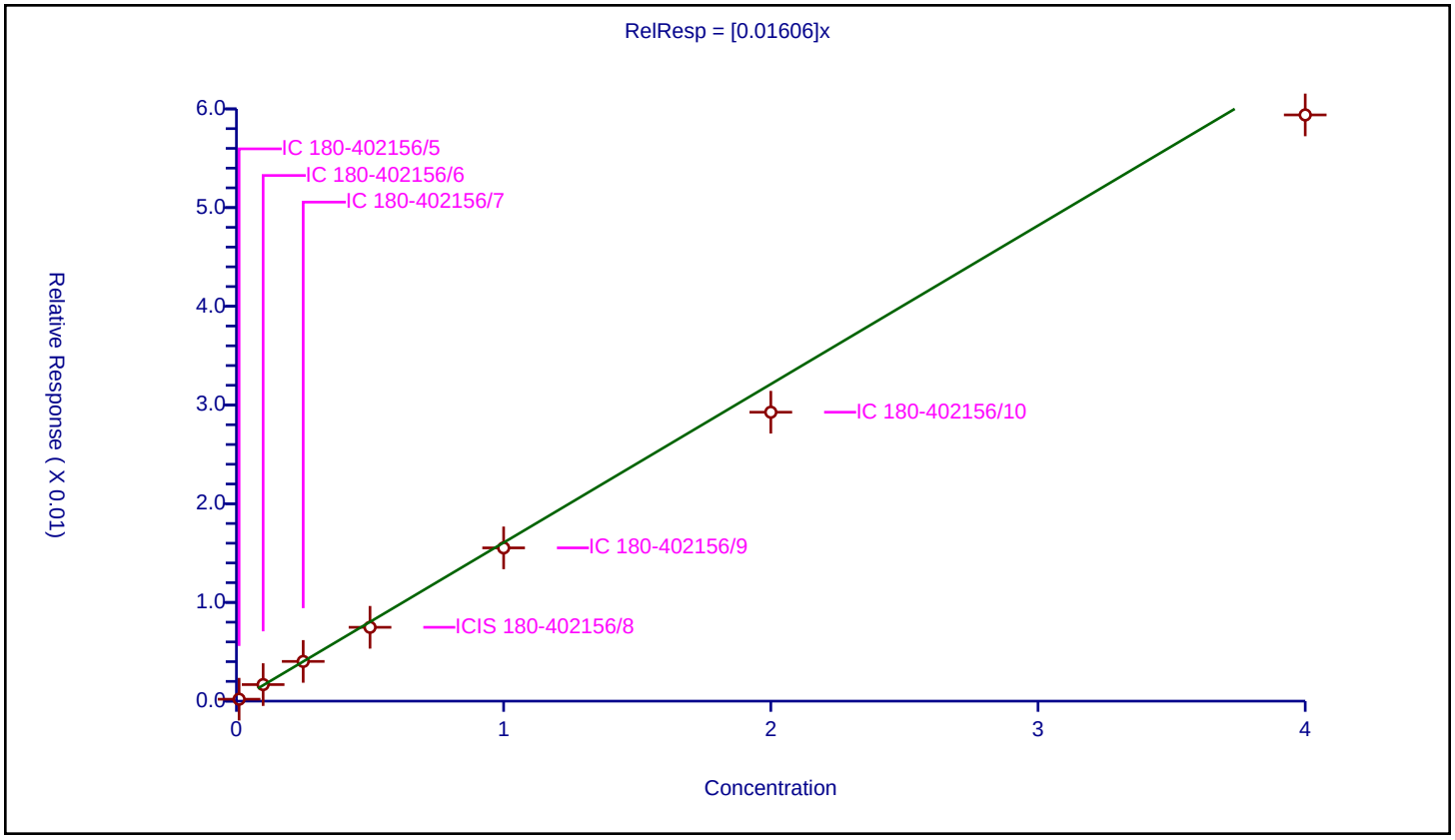
Curve Coefficients

Intercept:	0
Slope:	0.01606

Error Coefficients

Standard Error:	73700000
Relative Standard Error:	10.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000196	0.1	286834937.0	0.019568	Y
2	IC 180-402156/6	0.1	0.001678	0.1	273170118.0	0.016782	Y
3	IC 180-402156/7	0.25	0.004023	0.1	276160769.0	0.016092	Y
4	ICIS 180-402156/8	0.5	0.00748	0.1	262339113.0	0.014959	Y
5	IC 180-402156/9	1.0	0.015526	0.1	272772040.0	0.015526	Y
6	IC 180-402156/10	2.0	0.029272	0.1	277080052.0	0.014636	Y
7	IC 180-402156/11	4.0	0.05939	0.1	259043392.0	0.014847	Y



Calibration / PCB-1016 Peak 4

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

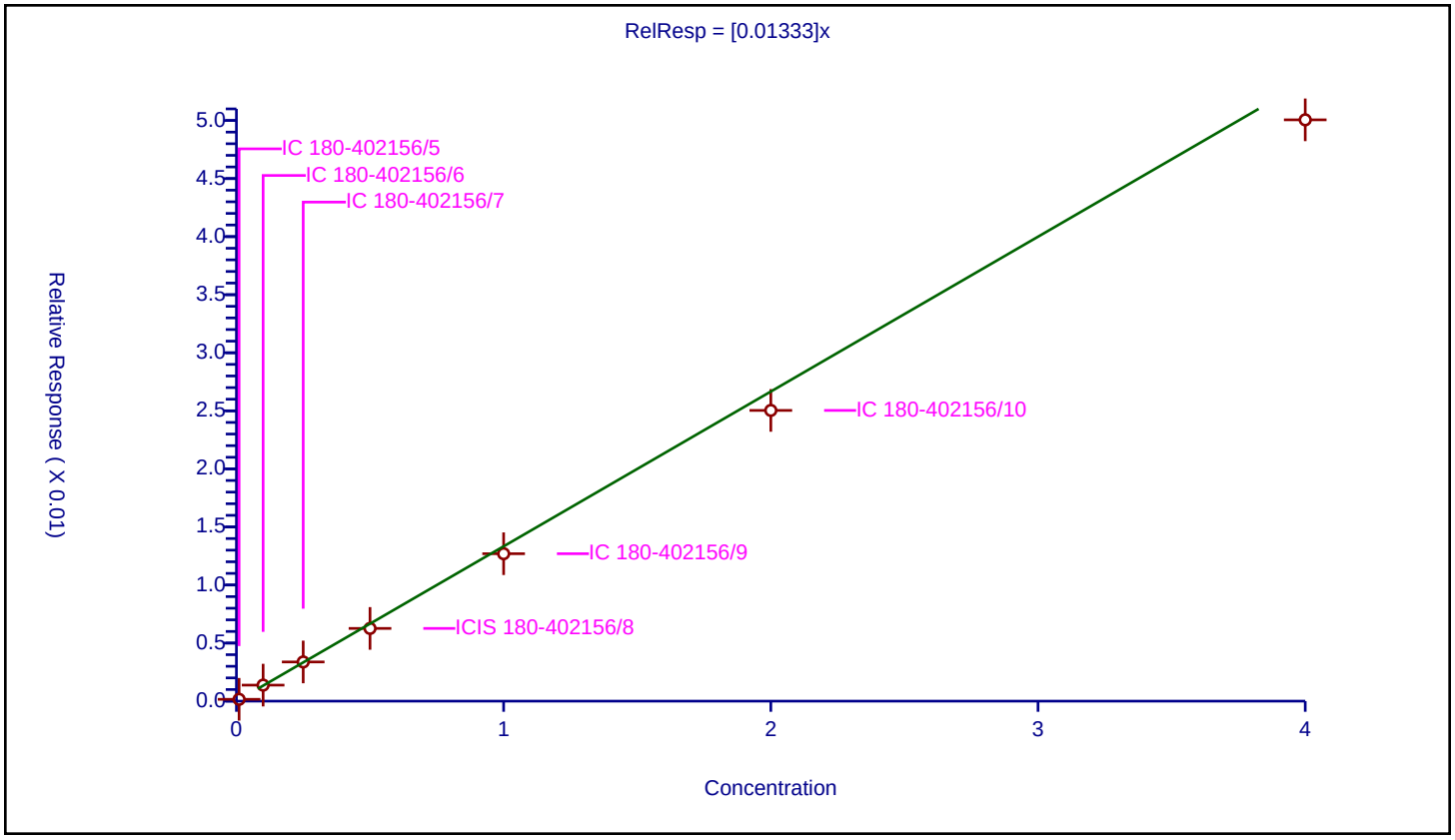
Curve Coefficients

Intercept:	0
Slope:	0.01333

Error Coefficients

Standard Error:	62200000
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 180-402156/5	0.01	0.000158	0.1	286834937.0	0.015762	Y
2	IC 180-402156/6	0.1	0.00138	0.1	273170118.0	0.013802	Y
3	IC 180-402156/7	0.25	0.003376	0.1	276160769.0	0.013503	Y
4	ICIS 180-402156/8	0.5	0.006262	0.1	262339113.0	0.012523	Y
5	IC 180-402156/9	1.0	0.012696	0.1	272772040.0	0.012696	Y
6	IC 180-402156/10	2.0	0.025035	0.1	277080052.0	0.012518	Y
7	IC 180-402156/11	4.0	0.050057	0.1	259043392.0	0.012514	Y



Calibration / PCB-1016 Peak 5

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

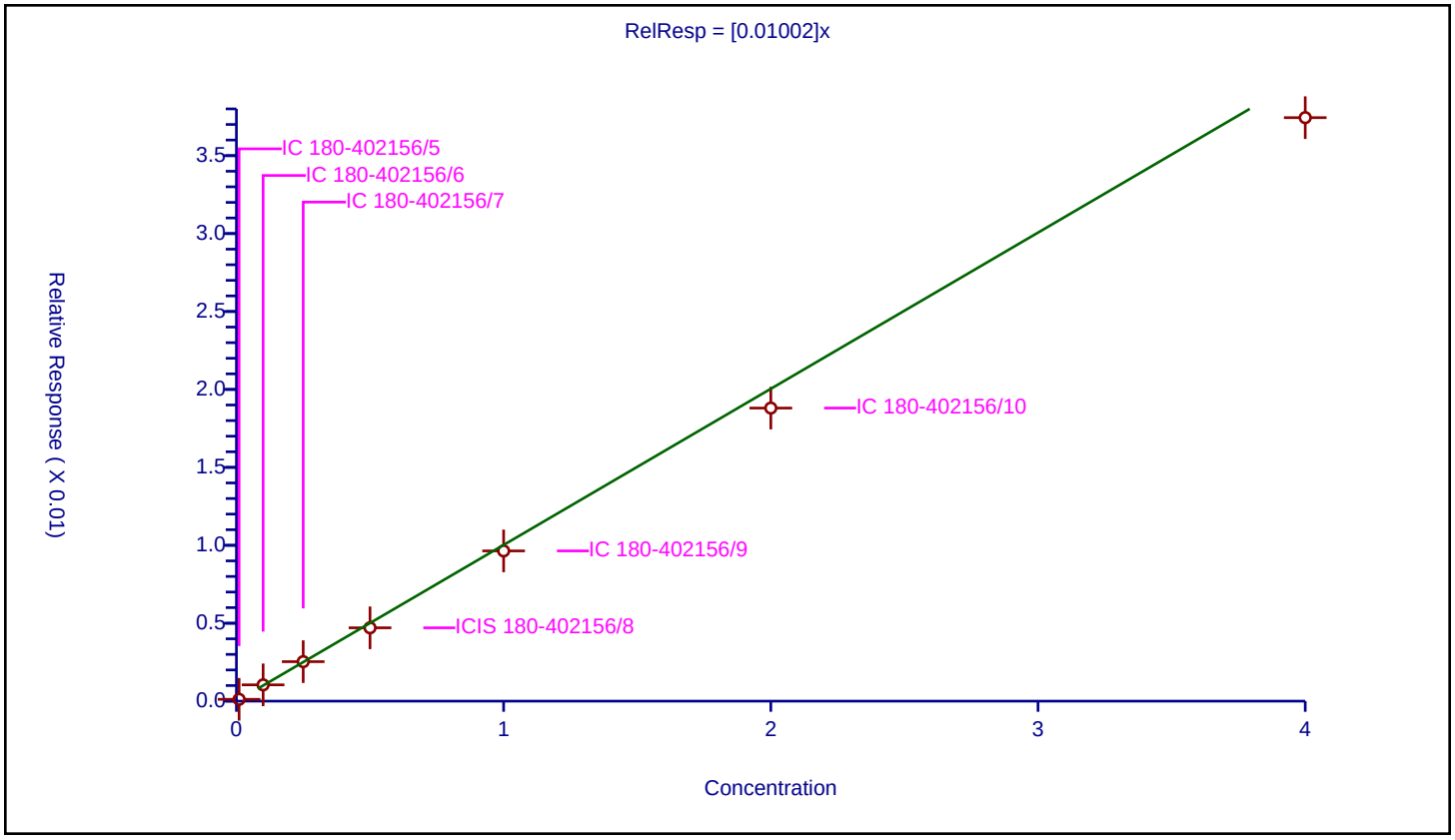
Curve Coefficients

Intercept:	0
Slope:	0.01002

Error Coefficients

Standard Error:	46600000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000117	0.1	286834937.0	0.011738	Y
2	IC 180-402156/6	0.1	0.001046	0.1	273170118.0	0.010455	Y
3	IC 180-402156/7	0.25	0.002534	0.1	276160769.0	0.010137	Y
4	ICIS 180-402156/8	0.5	0.004706	0.1	262339113.0	0.009411	Y
5	IC 180-402156/9	1.0	0.009639	0.1	272772040.0	0.009639	Y
6	IC 180-402156/10	2.0	0.018804	0.1	277080052.0	0.009402	Y
7	IC 180-402156/11	4.0	0.037438	0.1	259043392.0	0.009359	Y



Calibration / PCB-1260 Peak 1

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

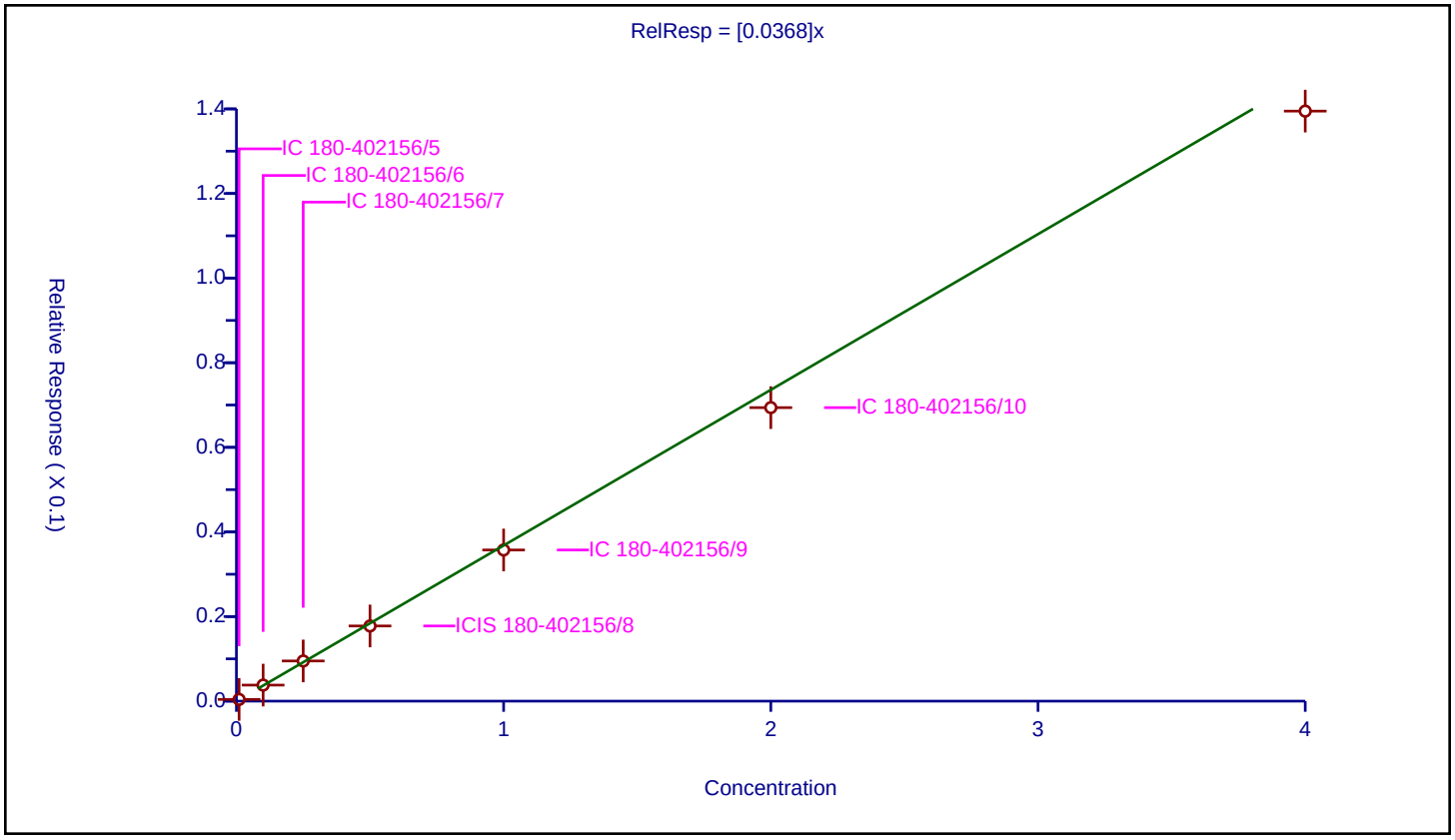
Curve Coefficients

Intercept:	0
Slope:	0.0368

Error Coefficients

Standard Error:	105000000
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 180-402156/5	0.01	0.000408	0.1	163833290.0	0.040841	Y
2	IC 180-402156/6	0.1	0.003792	0.1	154749046.0	0.037922	Y
3	IC 180-402156/7	0.25	0.009494	0.1	157769642.0	0.037977	Y
4	ICIS 180-402156/8	0.5	0.017769	0.1	151013199.0	0.035538	Y
5	IC 180-402156/9	1.0	0.035735	0.1	159604672.0	0.035735	Y
6	IC 180-402156/10	2.0	0.069383	0.1	164537927.0	0.034692	Y
7	IC 180-402156/11	4.0	0.139479	0.1	158564058.0	0.03487	Y



Calibration / PCB-1260 Peak 2

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

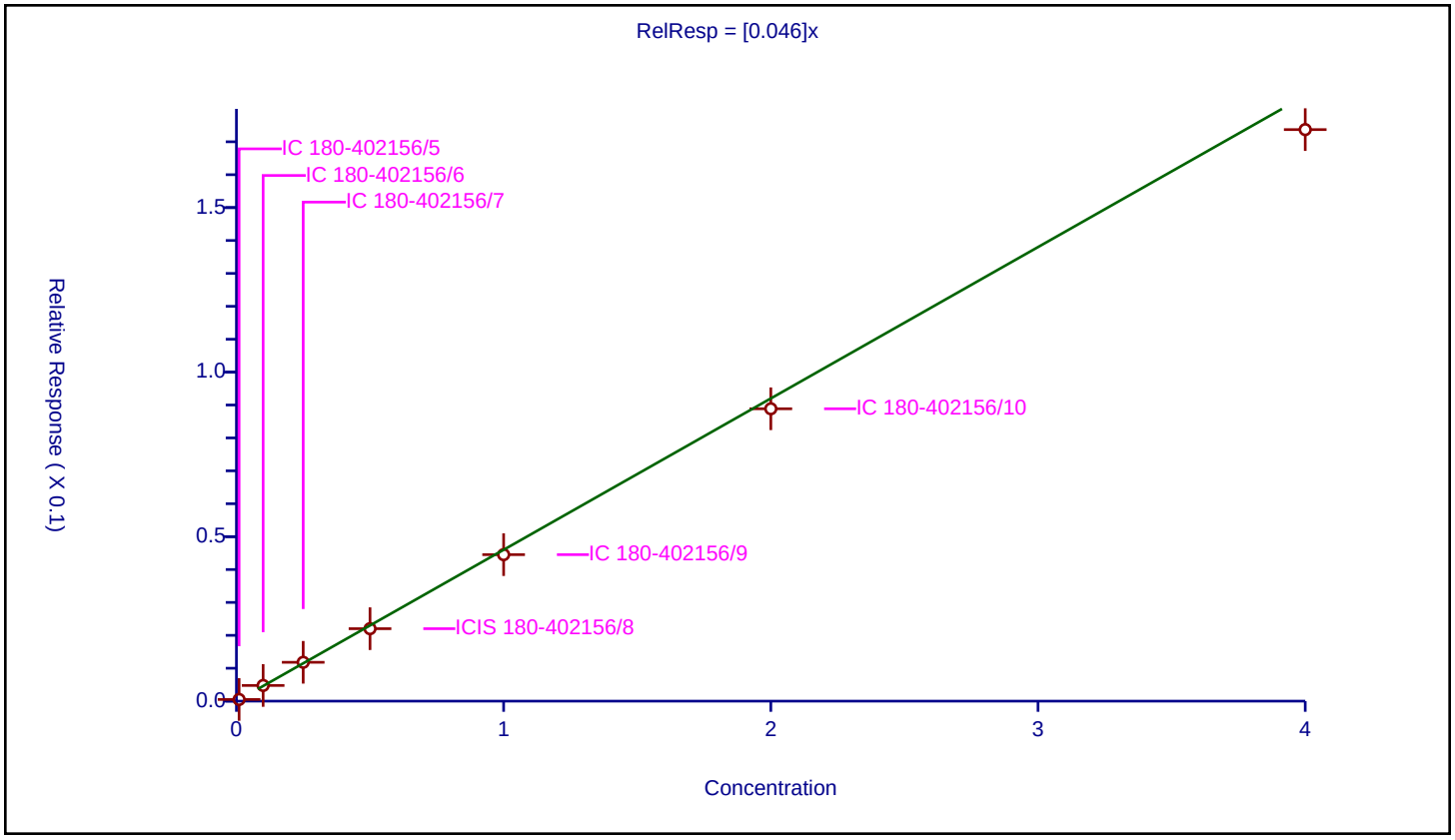
Curve Coefficients

Intercept:	0
Slope:	0.046

Error Coefficients

Standard Error:	132000000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000507	0.1	163833290.0	0.050732	Y
2	IC 180-402156/6	0.1	0.004761	0.1	154749046.0	0.047607	Y
3	IC 180-402156/7	0.25	0.011809	0.1	157769642.0	0.047237	Y
4	ICIS 180-402156/8	0.5	0.022023	0.1	151013199.0	0.044046	Y
5	IC 180-402156/9	1.0	0.044522	0.1	159604672.0	0.044522	Y
6	IC 180-402156/10	2.0	0.088857	0.1	164537927.0	0.044429	Y
7	IC 180-402156/11	4.0	0.173704	0.1	158564058.0	0.043426	Y



Calibration / PCB-1260 Peak 3

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

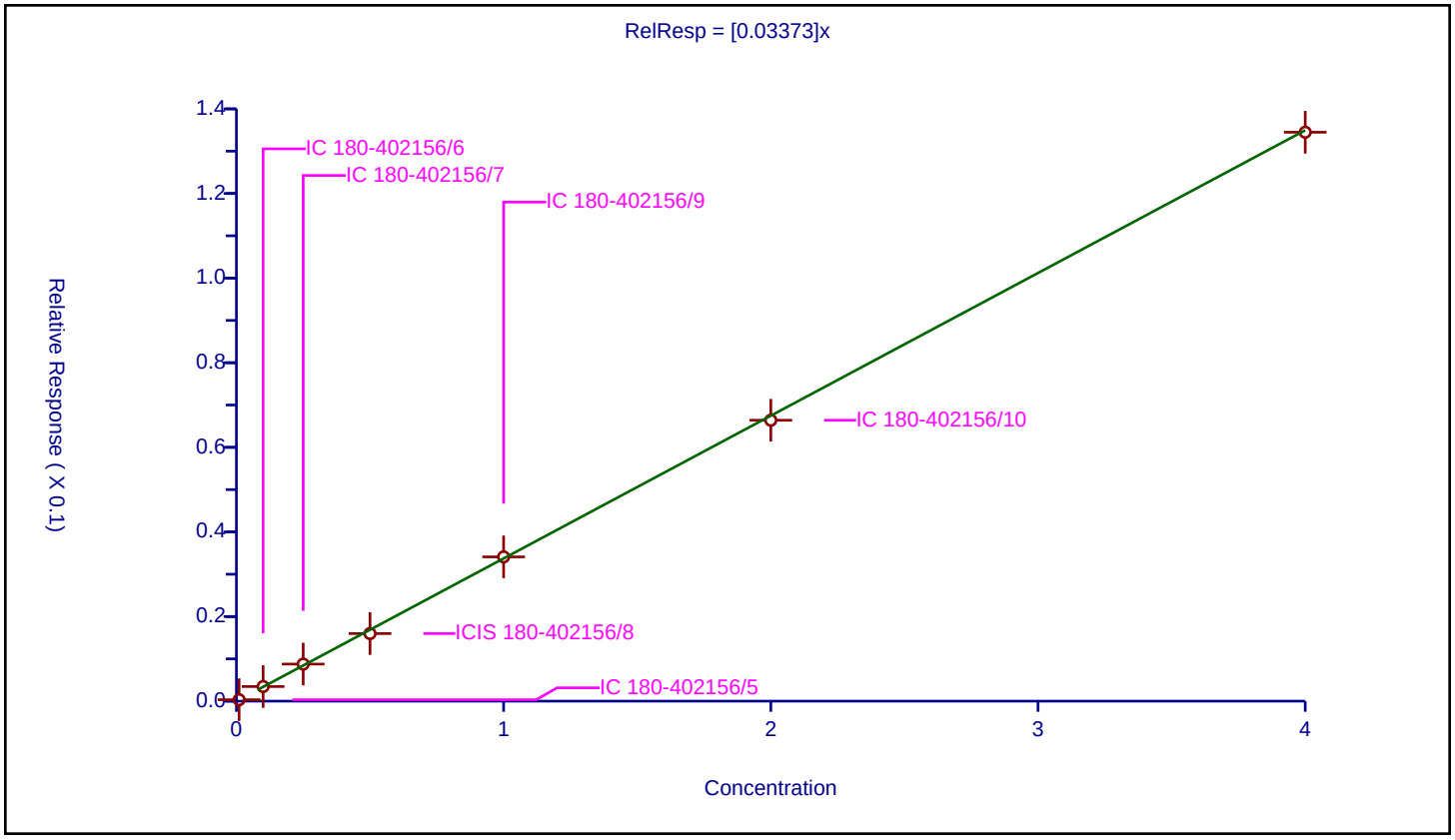
Curve Coefficients

Intercept:	0
Slope:	0.03373

Error Coefficients

Standard Error:	101000000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000337	0.1	163833290.0	0.033692	Y
2	IC 180-402156/6	0.1	0.003452	0.1	154749046.0	0.034524	Y
3	IC 180-402156/7	0.25	0.008763	0.1	157769642.0	0.035051	Y
4	ICIS 180-402156/8	0.5	0.015977	0.1	151013199.0	0.031953	Y
5	IC 180-402156/9	1.0	0.034104	0.1	159604672.0	0.034104	Y
6	IC 180-402156/10	2.0	0.066403	0.1	164537927.0	0.033202	Y
7	IC 180-402156/11	4.0	0.134475	0.1	158564058.0	0.033619	Y



Calibration / PCB-1260 Peak 4

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

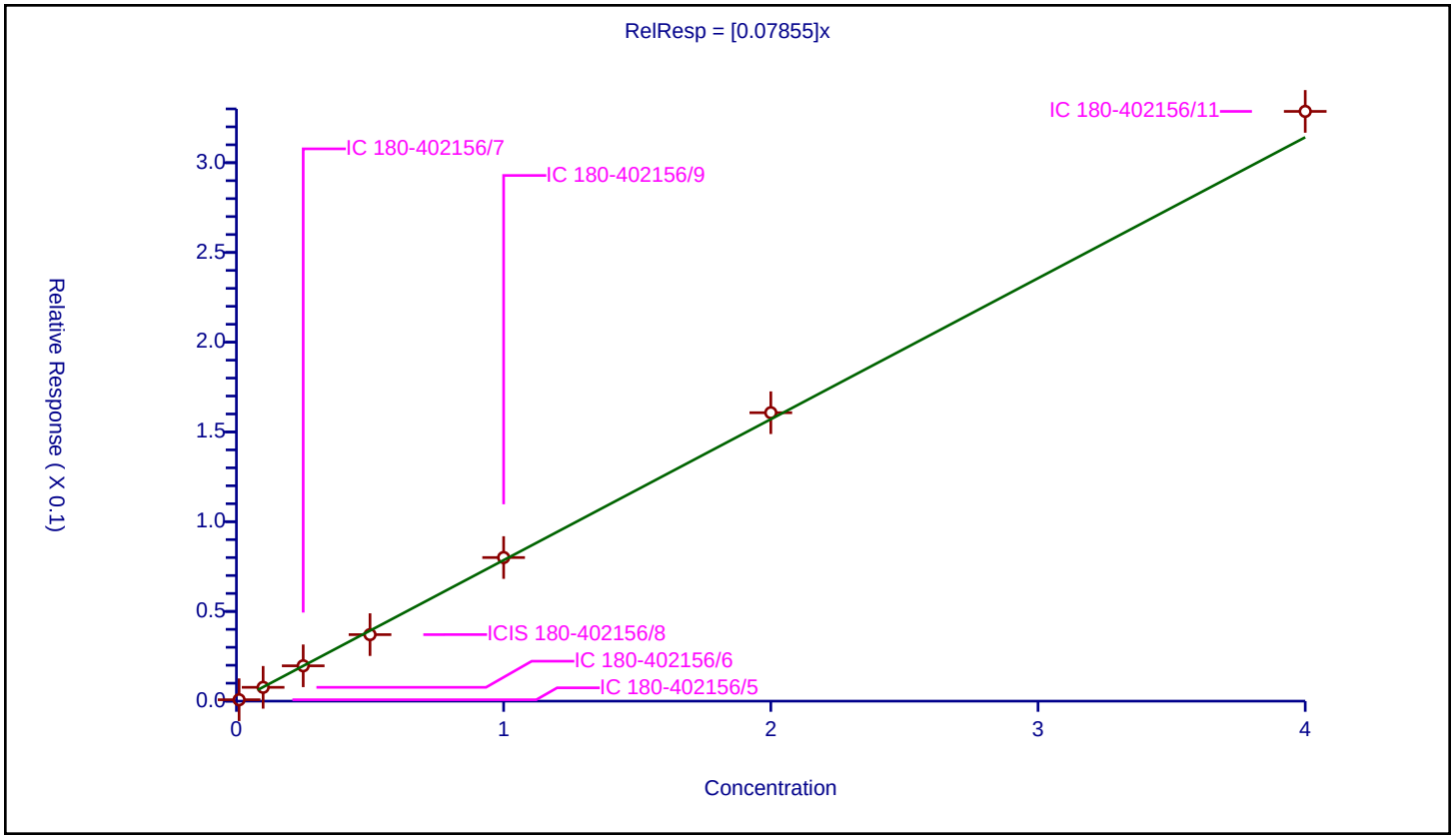
Curve Coefficients

Intercept:	0
Slope:	0.07855

Error Coefficients

Standard Error:	246000000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000775	0.1	163833290.0	0.077506	Y
2	IC 180-402156/6	0.1	0.007688	0.1	154749046.0	0.076882	Y
3	IC 180-402156/7	0.25	0.019692	0.1	157769642.0	0.078769	Y
4	ICIS 180-402156/8	0.5	0.037068	0.1	151013199.0	0.074136	Y
5	IC 180-402156/9	1.0	0.080019	0.1	159604672.0	0.080019	Y
6	IC 180-402156/10	2.0	0.160716	0.1	164537927.0	0.080358	Y
7	IC 180-402156/11	4.0	0.328611	0.1	158564058.0	0.082153	Y



Calibration / PCB-1260 Peak 5

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

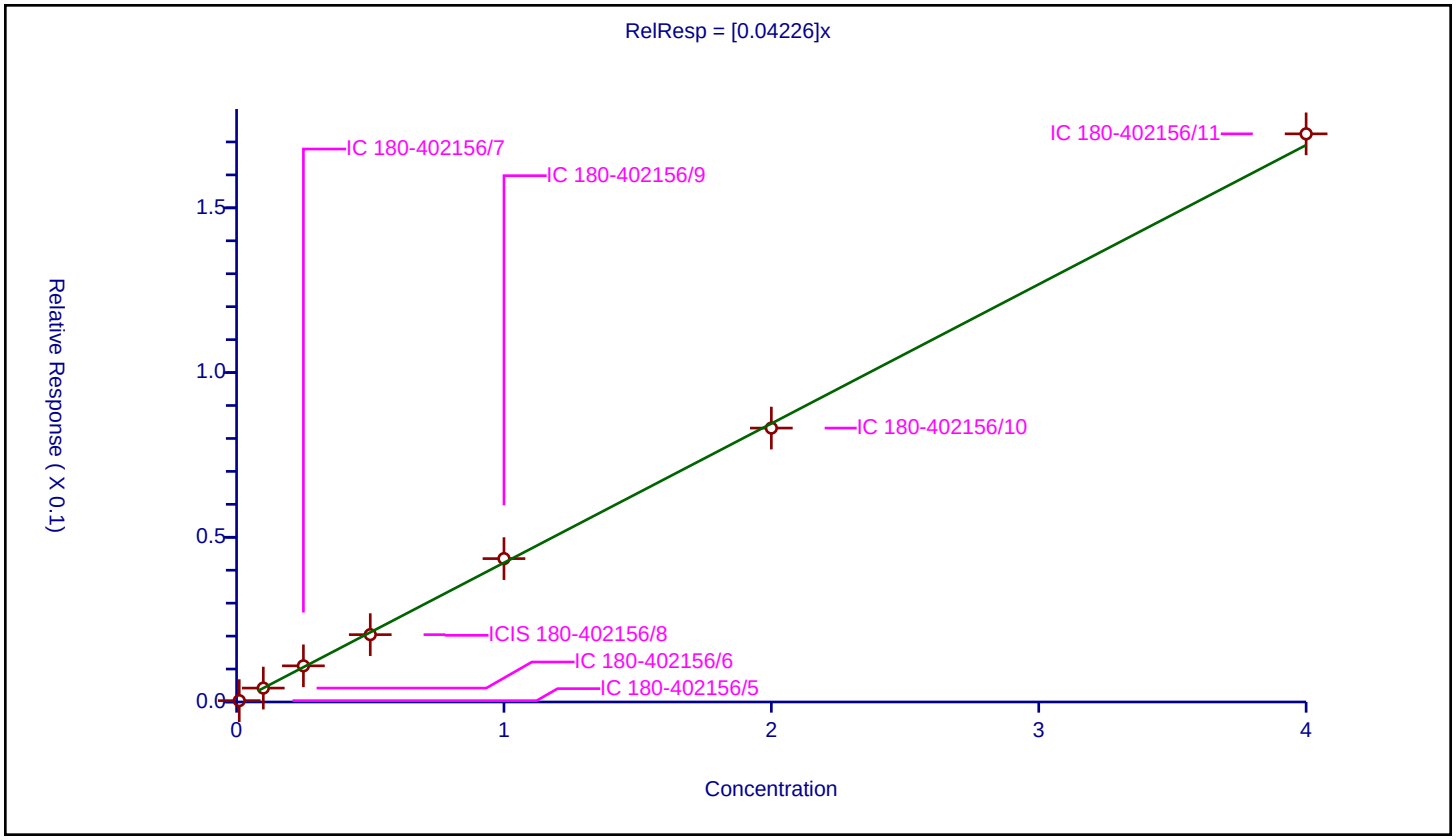
Curve Coefficients

Intercept:	0
Slope:	0.04226

Error Coefficients

Standard Error:	129000000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.01	0.000406	0.1	163833290.0	0.040631	Y
2	IC 180-402156/6	0.1	0.004221	0.1	154749046.0	0.042208	Y
3	IC 180-402156/7	0.25	0.010976	0.1	157769642.0	0.043904	Y
4	ICIS 180-402156/8	0.5	0.020443	0.1	151013199.0	0.040886	Y
5	IC 180-402156/9	1.0	0.04352	0.1	159604672.0	0.04352	Y
6	IC 180-402156/10	2.0	0.083146	0.1	164537927.0	0.041573	Y
7	IC 180-402156/11	4.0	0.172461	0.1	158564058.0	0.043115	Y



Calibration / DCB Decachlorobiphenyl (Surr)

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

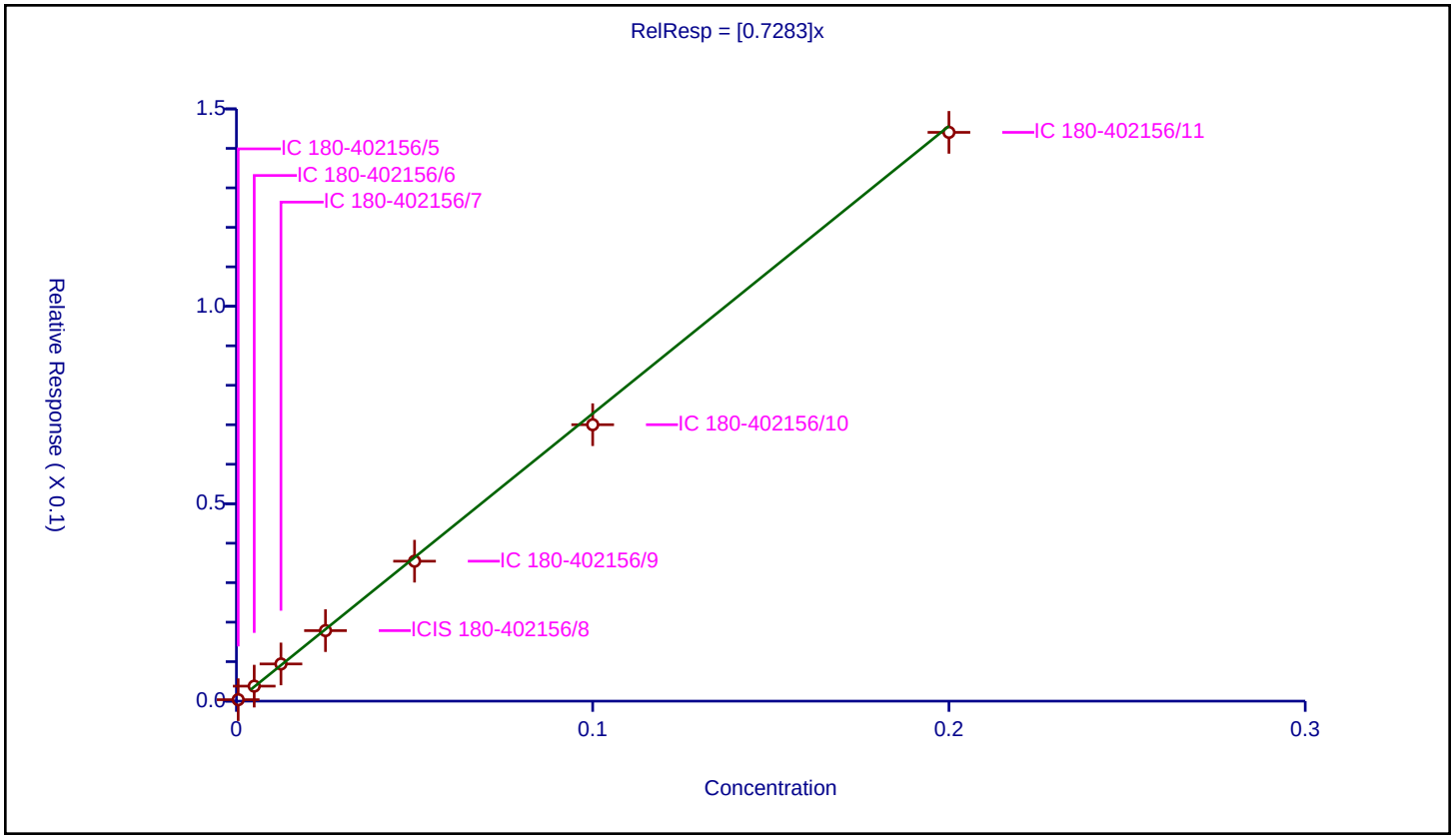
Curve Coefficients

Intercept:	0
Slope:	0.7283

Error Coefficients

Standard Error:	108000000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-402156/5	0.0005	0.00037	0.1	163833290.0	0.74027	Y
2	IC 180-402156/6	0.005	0.0038	0.1	154749046.0	0.759996	Y
3	IC 180-402156/7	0.0125	0.009423	0.1	157769642.0	0.753836	Y
4	ICIS 180-402156/8	0.025	0.017861	0.1	151013199.0	0.714432	Y
5	IC 180-402156/9	0.05	0.035447	0.1	159604672.0	0.708931	Y
6	IC 180-402156/10	0.1	0.070018	0.1	164537927.0	0.700184	Y
7	IC 180-402156/11	0.2	0.14406	0.1	158564058.0	0.720301	Y



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/12 Calibration Date: 06/16/2022 11:22

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 07:52

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 07:52

Lab File ID: 06160012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0065	0.0066		0.501	0.500	0.2	20.0
PCB-1221 Peak 2	Ave	0.0101	0.0103		0.510	0.500	1.9	20.0
PCB-1221 Peak 3	Ave	0.0230	0.0228		0.498	0.500	-0.5	20.0
PCB-1254 Peak 1	Ave	0.0208	0.0206		0.494	0.500	-1.2	20.0
PCB-1254 Peak 2	Ave	0.0266	0.0262		0.493	0.500	-1.5	20.0
PCB-1254 Peak 3	Ave	0.0354	0.0350		0.493	0.500	-1.4	20.0
PCB-1254 Peak 4	Ave	0.0250	0.0245		0.491	0.500	-1.8	20.0
PCB-1254 Peak 5	Ave	0.0259	0.0253		0.489	0.500	-2.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/12 Calibration Date: 06/16/2022 11:22

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 07:52

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 07:52

Lab File ID: 06160012.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	2.92	2.86	2.96
PCB-1221 Peak 2	3.52	3.46	3.56
PCB-1221 Peak 3	3.70	3.64	3.74
PCB-1254 Peak 1	5.79	5.71	5.85
PCB-1254 Peak 2	6.19	6.11	6.25
PCB-1254 Peak 3	6.85	6.77	6.91
PCB-1254 Peak 4	7.34	7.26	7.40
PCB-1254 Peak 5	8.26	8.17	8.31

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160012.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 11:22:24 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-012
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.001	203482706H	0.1000	0.1000	
2	2.949	2.949	0.000	262821775H	0.1000	0.1000	
3 PCB-1221							
1	2.919	2.911	0.008	6673548H	0.5000	0.5011	
1	3.520	3.511	0.009	10523345H	0.5000	0.5096	
1	3.698	3.689	0.009	23238458H	0.5000	0.4976	
		Average of Peak Amounts =				0.5028	
2	3.345	3.339	0.006	8583183H	0.5000	0.4909	
2	4.138	4.132	0.006	12009987H	0.5000	0.4898	
2	4.380	4.373	0.007	24305129H	0.5000	0.4816	
		Average of Peak Amounts =				0.4875	
						RPD = 3.09	
8 PCB-1254							
1	5.790	5.778	0.012	20946848H	0.5000	0.4942	
1	6.188	6.175	0.013	26646762H	0.5000	0.4925	
1	6.848	6.836	0.012	35564141H	0.5000	0.4930	
1	7.343	7.331	0.012	24962836H	0.5000	0.4910	
1	8.256	8.244	0.012	25740602H	0.5000	0.4888	
		Average of Peak Amounts =				0.4919	
2	7.303	7.294	0.009	25638599H	0.5000	0.4879	
2	7.674	7.665	0.009	27465806H	0.5000	0.4917	
2	8.613	8.604	0.009	40452500H	0.5000	0.4938	
2	9.034	9.027	0.007	29284580H	0.5000	0.5010	
2	9.959	9.953	0.006	34100633H	0.5000	0.5212	
		Average of Peak Amounts =				0.4991	
						RPD = 1.46	
* 12 PCB-205 (IS)							
1	10.958	10.957	0.001	133846753H	0.1000	0.1000	
2	12.308	12.308	0.000	155428098H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR2154ICV_00027	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:39:01 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160012.D

Injection Date: 16-Jun-2022 11:22:24 Instrument ID: CHGC20

Lims ID: ICV

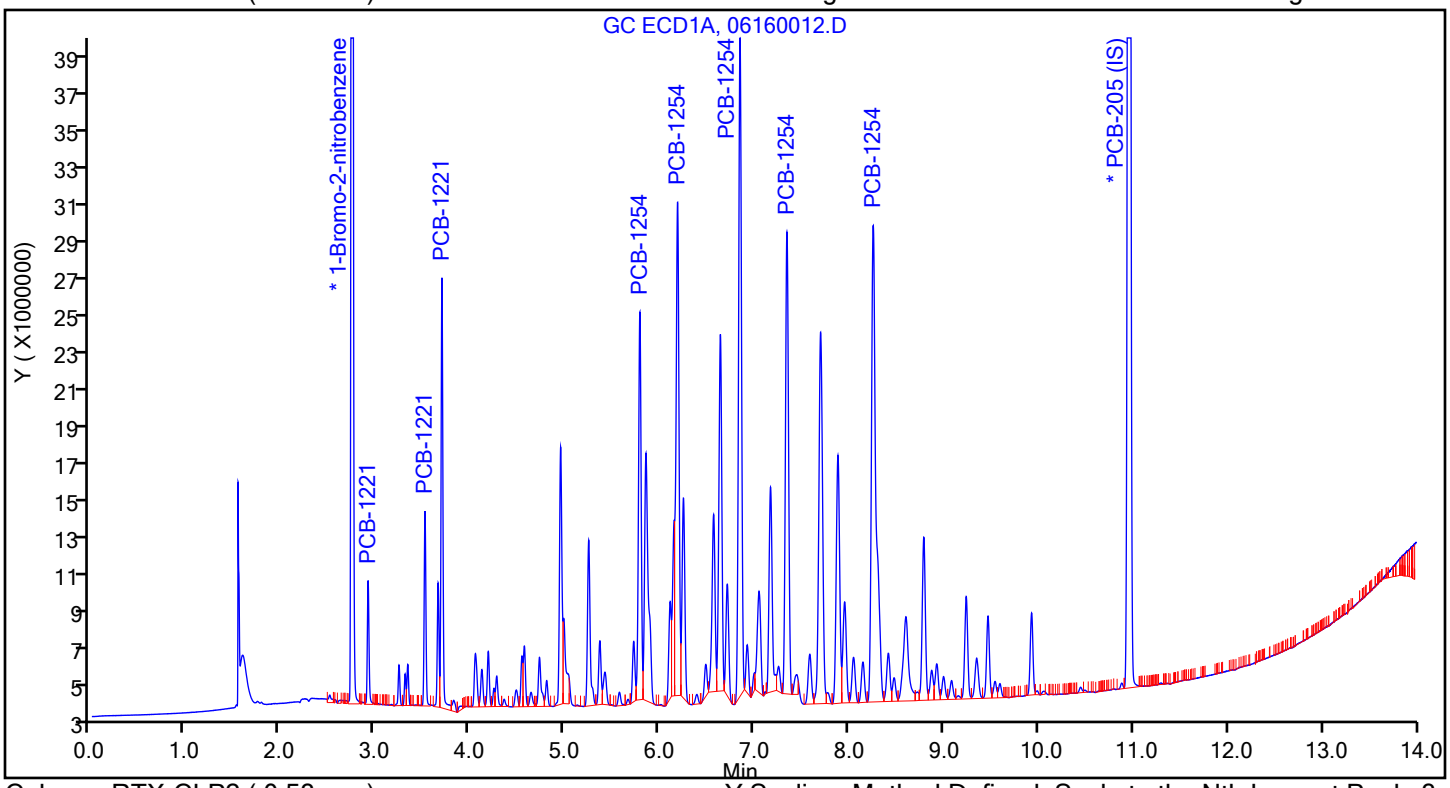
Client ID:

Operator ID: 402331 ALS Bottle#: 12 Worklist Smp#: 12

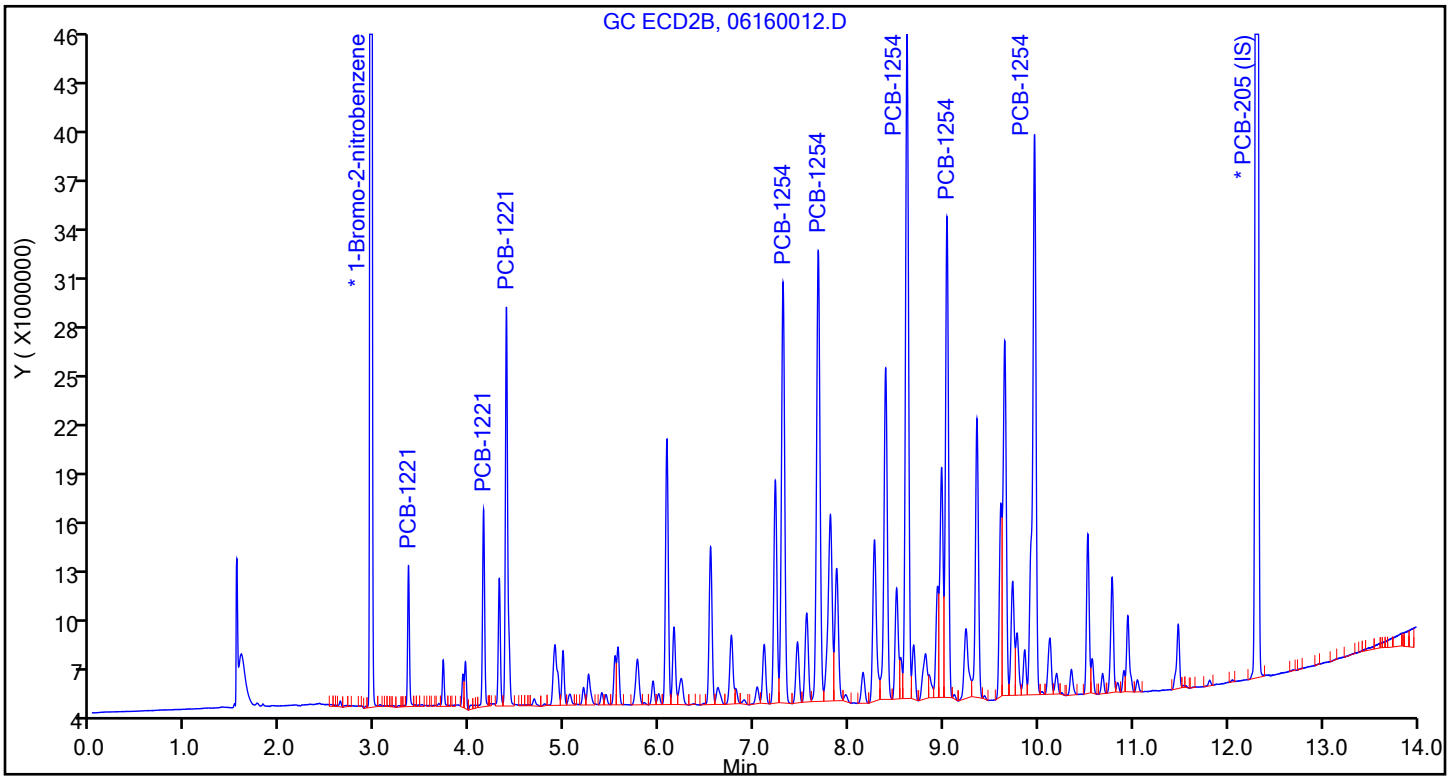
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/12 Calibration Date: 06/16/2022 11:22

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 07:52

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 07:52

Lab File ID: 06160012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0067	0.0065		0.491	0.500	-1.8	20.0
PCB-1221 Peak 2	Ave	0.0093	0.0091		0.490	0.500	-2.0	20.0
PCB-1221 Peak 3	Ave	0.0192	0.0185		0.482	0.500	-3.7	20.0
PCB-1254 Peak 1	Ave	0.0200	0.0195		0.488	0.500	-2.4	20.0
PCB-1254 Peak 2	Ave	0.0213	0.0209		0.492	0.500	-1.7	20.0
PCB-1254 Peak 3	Ave	0.0312	0.0308		0.494	0.500	-1.2	20.0
PCB-1254 Peak 4	Ave	0.0222	0.0223		0.501	0.500	0.2	20.0
PCB-1254 Peak 5	Ave	0.0249	0.0259		0.521	0.500	4.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/12 Calibration Date: 06/16/2022 11:22

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 07:52

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 07:52

Lab File ID: 06160012.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	3.35	3.29	3.39
PCB-1221 Peak 2	4.14	4.08	4.18
PCB-1221 Peak 3	4.38	4.32	4.42
PCB-1254 Peak 1	7.30	7.22	7.36
PCB-1254 Peak 2	7.67	7.60	7.74
PCB-1254 Peak 3	8.61	8.53	8.67
PCB-1254 Peak 4	9.03	8.96	9.10
PCB-1254 Peak 5	9.96	9.88	10.02

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160012.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 11:22:24 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-012
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:48:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.750	2.749	0.001	203482706H	0.1000	0.1000	
2	2.949	2.949	0.000	262821775H	0.1000	0.1000	
3 PCB-1221							
1	2.919	2.911	0.008	6673548H	0.5000	0.5011	
1	3.520	3.511	0.009	10523345H	0.5000	0.5096	
1	3.698	3.689	0.009	23238458H	0.5000	0.4976	
		Average of Peak Amounts =				0.5028	
2	3.345	3.339	0.006	8583183H	0.5000	0.4909	
2	4.138	4.132	0.006	12009987H	0.5000	0.4898	
2	4.380	4.373	0.007	24305129H	0.5000	0.4816	
		Average of Peak Amounts =				0.4875	
						RPD = 3.09	
8 PCB-1254							
1	5.790	5.778	0.012	20946848H	0.5000	0.4942	
1	6.188	6.175	0.013	26646762H	0.5000	0.4925	
1	6.848	6.836	0.012	35564141H	0.5000	0.4930	
1	7.343	7.331	0.012	24962836H	0.5000	0.4910	
1	8.256	8.244	0.012	25740602H	0.5000	0.4888	
		Average of Peak Amounts =				0.4919	
2	7.303	7.294	0.009	25638599H	0.5000	0.4879	
2	7.674	7.665	0.009	27465806H	0.5000	0.4917	
2	8.613	8.604	0.009	40452500H	0.5000	0.4938	
2	9.034	9.027	0.007	29284580H	0.5000	0.5010	
2	9.959	9.953	0.006	34100633H	0.5000	0.5212	
		Average of Peak Amounts =				0.4991	
						RPD = 1.46	
* 12 PCB-205 (IS)							
1	10.958	10.957	0.001	133846753H	0.1000	0.1000	
2	12.308	12.308	0.000	155428098H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR2154ICV_00027	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:39:01 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160012.D

Injection Date: 16-Jun-2022 11:22:24 Instrument ID: CHGC20

Lims ID: ICV

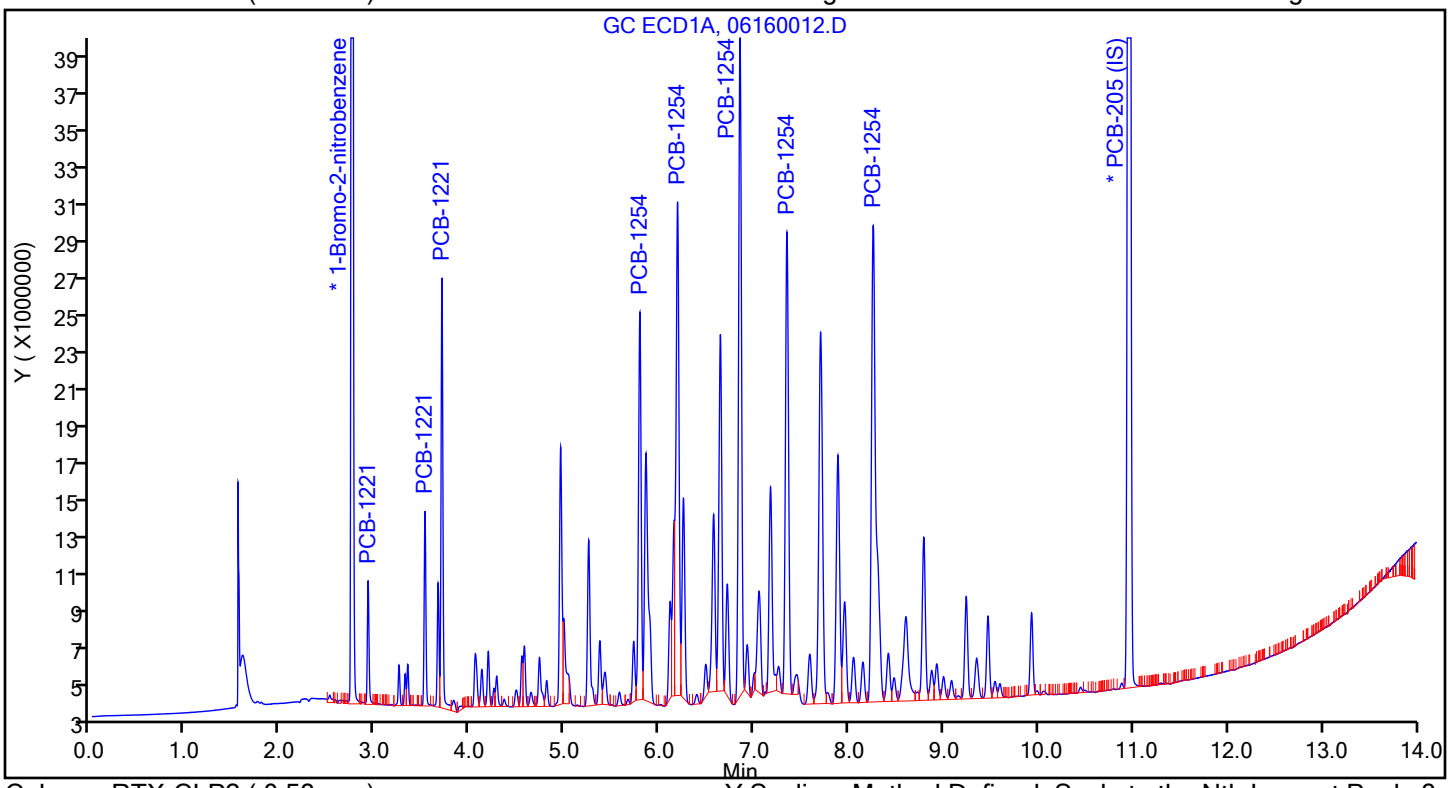
Client ID:

Operator ID: 402331 ALS Bottle#: 12 Worklist Smp#: 12

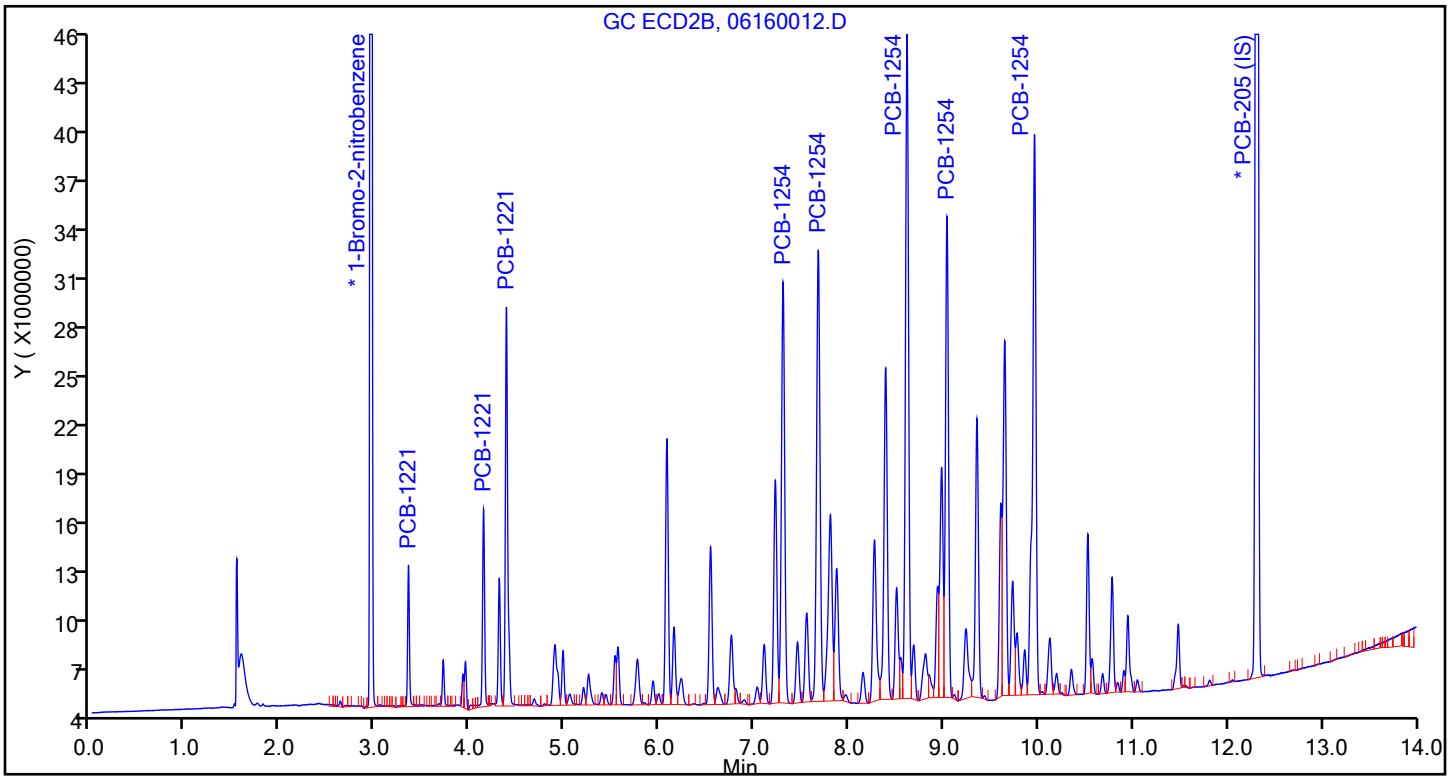
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/13 Calibration Date: 06/16/2022 11:41

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:11

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:11

Lab File ID: 06160013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0067	0.0067		0.499	0.500	-0.1	20.0
PCB-1232 Peak 2	Ave	0.0181	0.0184		0.507	0.500	1.4	20.0
PCB-1232 Peak 3	Ave	0.0105	0.0106		0.502	0.500	0.4	20.0
PCB-1232 Peak 4	Ave	0.0096	0.0096		0.501	0.500	0.1	20.0
PCB-1262 Peak 1	Ave	0.0307	0.0296		0.484	0.500	-3.3	20.0
PCB-1262 Peak 2	Ave	0.0482	0.0471		0.489	0.500	-2.2	20.0
PCB-1262 Peak 3	Ave	0.1045	0.0994		0.476	0.500	-4.9	20.0
PCB-1262 Peak 4	Ave	0.0367	0.0359		0.488	0.500	-2.3	20.0
PCB-1262 Peak 5	Ave	0.0320	0.0303		0.473	0.500	-5.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/13 Calibration Date: 06/16/2022 11:41

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:11

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:11

Lab File ID: 06160013.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.52	3.46	3.56
PCB-1232 Peak 2	3.70	3.64	3.74
PCB-1232 Peak 3	4.05	3.99	4.09
PCB-1232 Peak 4	4.73	4.67	4.77
PCB-1262 Peak 1	7.17	7.11	7.21
PCB-1262 Peak 2	8.48	8.42	8.52
PCB-1262 Peak 3	9.47	9.41	9.51
PCB-1262 Peak 4	9.93	9.87	9.97
PCB-1262 Peak 5	10.05	10.00	10.10

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160013.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 11:41:41 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-013
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:50:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.751	2.749	0.001	186306254H	0.1000	0.1000	
2	2.950	2.949	0.000	239418790H	0.1000	0.1000	
4 PCB-1232							
1	3.521	3.514	0.007	6228206H	0.5000	0.4994	
1	3.700	3.692	0.008	17134727H	0.5000	0.5069	
1	4.052	4.044	0.008	9833273H	0.5000	0.5022	
1	4.729	4.721	0.008	8947101H	0.5000	0.5007	
1	5.250	5.243	0.007	6457896H	0.5000	0.4842	
		Average of Peak Amounts =				0.4987	
2	4.139	4.135	0.004	7158667H	0.5000	0.5096	
2	4.381	4.376	0.005	18274360H	0.5000	0.5006	
2	4.896	4.892	0.004	10503318H	0.5000	0.5110	
2	6.537	6.532	0.005	7001511H	0.5000	0.4939	
2	7.307	7.304	0.003	9506220H	0.5000	0.4833	
		Average of Peak Amounts =				0.4997	
						RPD = 0.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							
1	7.171	7.162	0.009	17561365H	0.5000	0.4836	
1	8.476	8.469	0.007	27908956H	0.5000	0.4892	
1	9.467	9.461	0.006	58915701H	0.5000	0.4757	
1	9.927	9.921	0.006	21246320H	0.5000	0.4884	
1	10.053	10.049	0.004	17963819H	0.5000	0.4731	
		Average of Peak Amounts =				0.4820	
2	9.350	9.349	0.001	24534732H	0.5000	0.4684	
2	10.104	10.104	0.000	32845377H	0.5000	0.4642	
2	10.568	10.566	0.002	30647692H	0.5000	0.4833	
2	10.945	10.943	0.002	61081605H	0.5000	0.4602	
2	11.469	11.467	0.002	36172346H	0.5000	0.4809	
		Average of Peak Amounts =				0.4714	
						RPD = 2.22	
* 12 PCB-205 (IS)							
1	10.959	10.957	0.002	118485781H	0.1000	0.1000	
2	12.307	12.308	-0.001	138084951H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR3262ICV_00018	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:51 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160013.D

Injection Date: 16-Jun-2022 11:41:41 Instrument ID: CHGC20

Lims ID: ICV

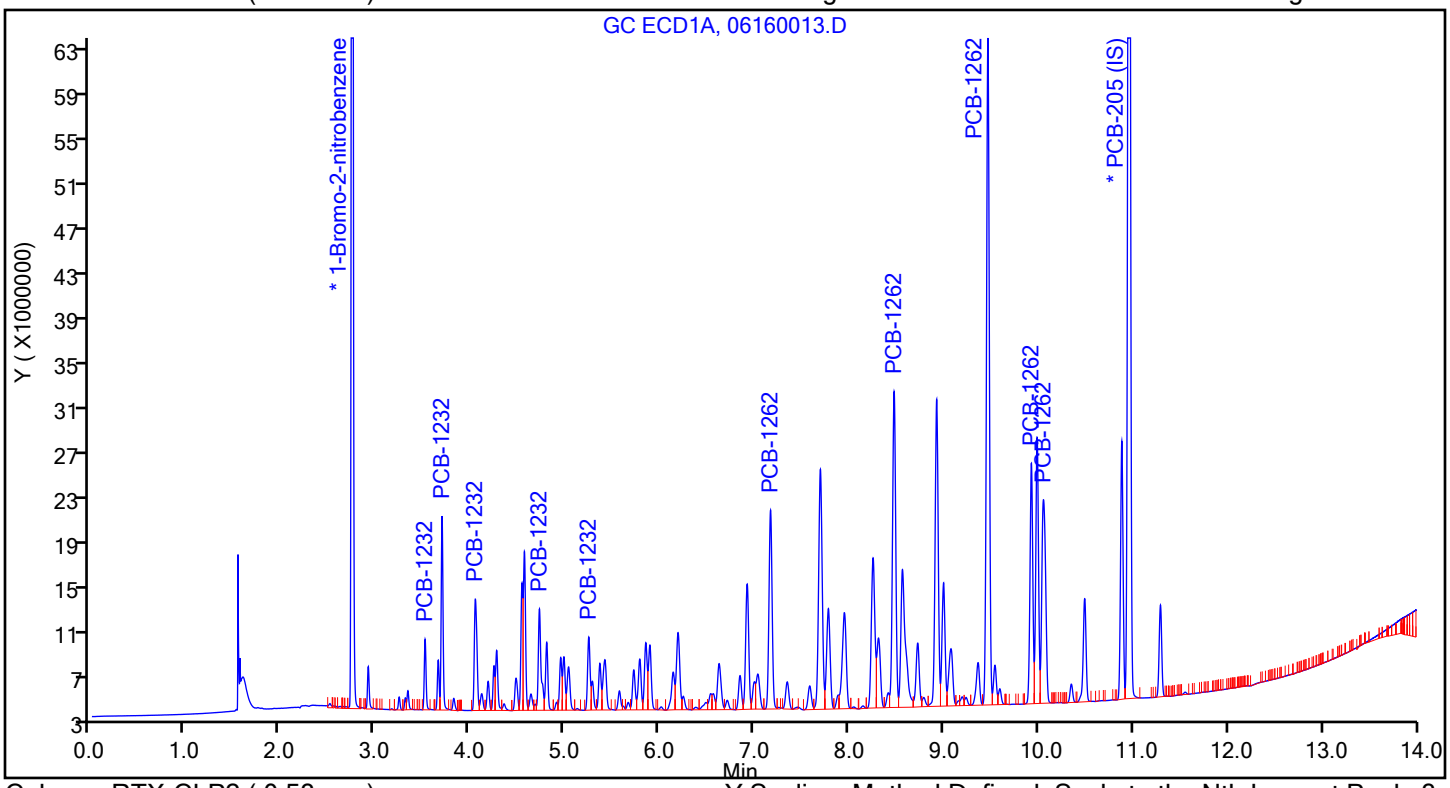
Client ID:

Operator ID: 402331 ALS Bottle#: 13 Worklist Smp#: 13

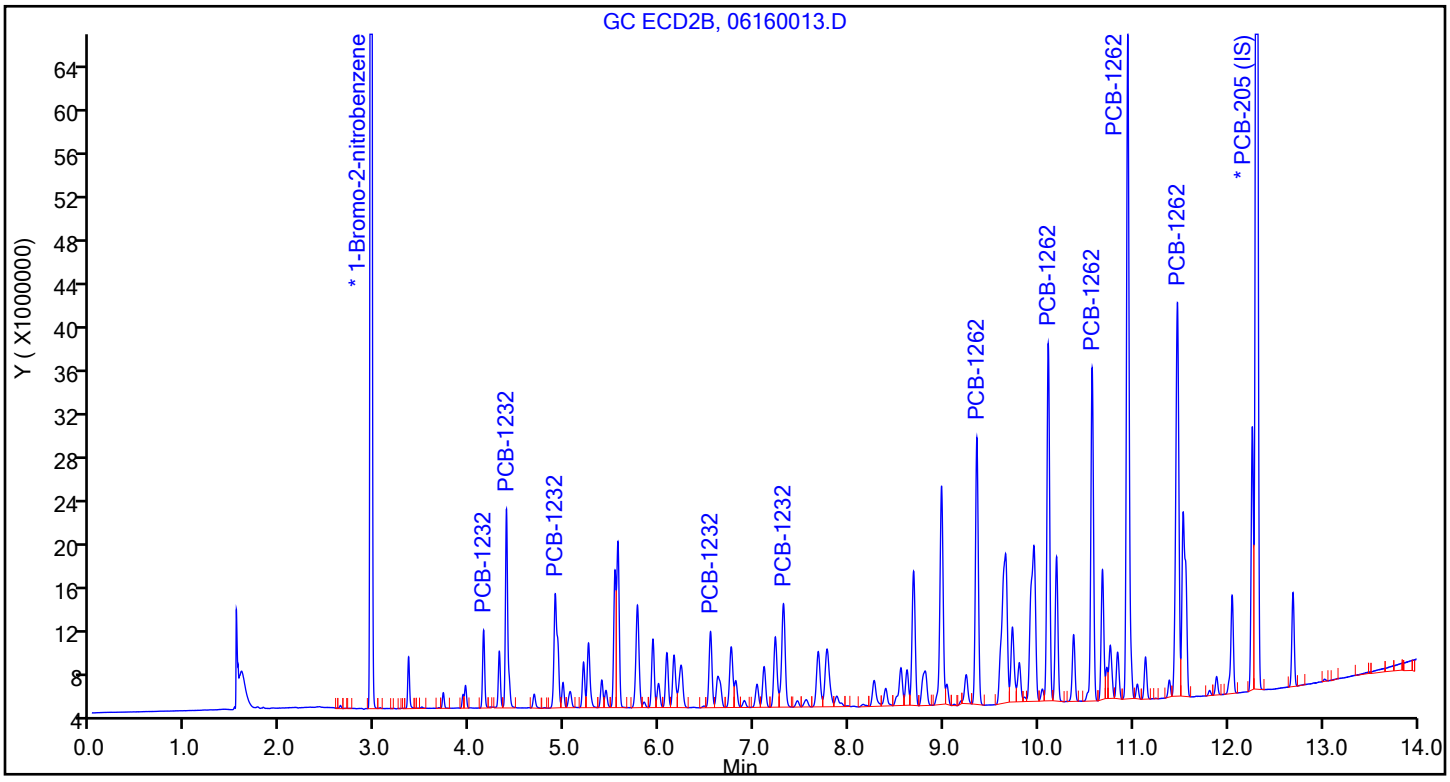
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/13 Calibration Date: 06/16/2022 11:41

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:11

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:11

Lab File ID: 06160013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0059	0.0060		0.510	0.500	1.9	20.0
PCB-1232 Peak 2	Ave	0.0152	0.0153		0.501	0.500	0.1	20.0
PCB-1232 Peak 3	Ave	0.0086	0.0088		0.511	0.500	2.2	20.0
PCB-1232 Peak 4	Ave	0.0059	0.0058		0.494	0.500	-1.2	20.0
PCB-1262 Peak 1	Ave	0.0379	0.0355		0.468	0.500	-6.3	20.0
PCB-1262 Peak 2	Ave	0.0512	0.0476		0.464	0.500	-7.2	20.0
PCB-1262 Peak 3	Ave	0.0459	0.0444		0.483	0.500	-3.3	20.0
PCB-1262 Peak 4	Ave	0.0961	0.0885		0.460	0.500	-8.0	20.0
PCB-1262 Peak 5	Ave	0.0545	0.0524		0.481	0.500	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/13 Calibration Date: 06/16/2022 11:41

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:11

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:11

Lab File ID: 06160013.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.14	4.09	4.19
PCB-1232 Peak 2	4.38	4.33	4.43
PCB-1232 Peak 3	4.90	4.84	4.94
PCB-1232 Peak 4	6.54	6.48	6.58
PCB-1262 Peak 1	9.35	9.30	9.40
PCB-1262 Peak 2	10.10	10.05	10.15
PCB-1262 Peak 3	10.57	10.52	10.62
PCB-1262 Peak 4	10.95	10.89	10.99
PCB-1262 Peak 5	11.47	11.42	11.52

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160013.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 11:41:41 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-013
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:50:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.751	2.749	0.001	186306254H	0.1000	0.1000	
2	2.950	2.949	0.000	239418790H	0.1000	0.1000	
4 PCB-1232							
1	3.521	3.514	0.007	6228206H	0.5000	0.4994	
1	3.700	3.692	0.008	17134727H	0.5000	0.5069	
1	4.052	4.044	0.008	9833273H	0.5000	0.5022	
1	4.729	4.721	0.008	8947101H	0.5000	0.5007	
1	5.250	5.243	0.007	6457896H	0.5000	0.4842	
		Average of Peak Amounts =				0.4987	
2	4.139	4.135	0.004	7158667H	0.5000	0.5096	
2	4.381	4.376	0.005	18274360H	0.5000	0.5006	
2	4.896	4.892	0.004	10503318H	0.5000	0.5110	
2	6.537	6.532	0.005	7001511H	0.5000	0.4939	
2	7.307	7.304	0.003	9506220H	0.5000	0.4833	
		Average of Peak Amounts =				0.4997	
						RPD = 0.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							
1	7.171	7.162	0.009	17561365H	0.5000	0.4836	
1	8.476	8.469	0.007	27908956H	0.5000	0.4892	
1	9.467	9.461	0.006	58915701H	0.5000	0.4757	
1	9.927	9.921	0.006	21246320H	0.5000	0.4884	
1	10.053	10.049	0.004	17963819H	0.5000	0.4731	
		Average of Peak Amounts =				0.4820	
2	9.350	9.349	0.001	24534732H	0.5000	0.4684	
2	10.104	10.104	0.000	32845377H	0.5000	0.4642	
2	10.568	10.566	0.002	30647692H	0.5000	0.4833	
2	10.945	10.943	0.002	61081605H	0.5000	0.4602	
2	11.469	11.467	0.002	36172346H	0.5000	0.4809	
		Average of Peak Amounts =				0.4714	
						RPD = 2.22	
* 12 PCB-205 (IS)							
1	10.959	10.957	0.002	118485781H	0.1000	0.1000	
2	12.307	12.308	-0.001	138084951H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR3262ICV_00018	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:52 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160013.D

Injection Date: 16-Jun-2022 11:41:41 Instrument ID: CHGC20

Lims ID: ICV

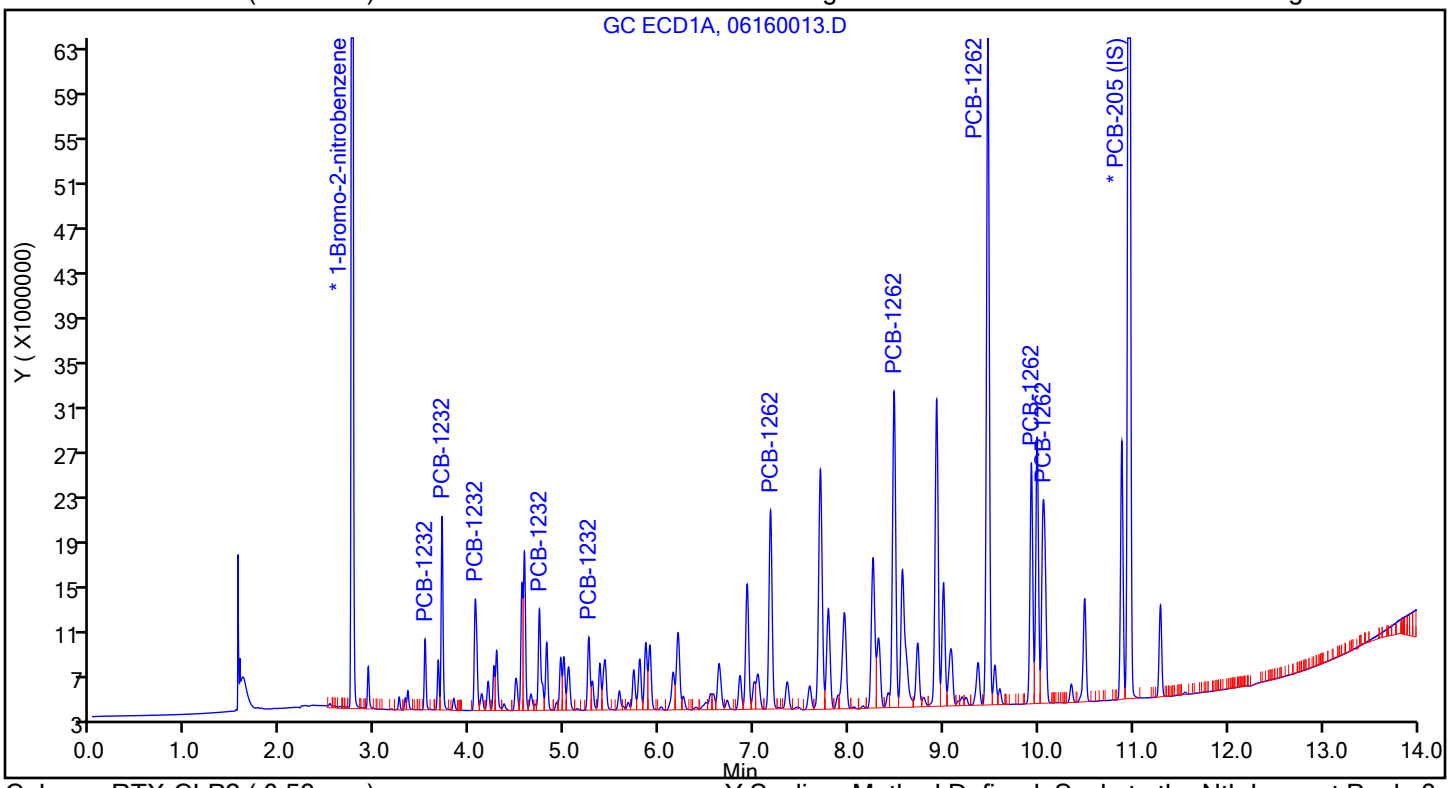
Client ID:

Operator ID: 402331 ALS Bottle#: 13 Worklist Smp#: 13

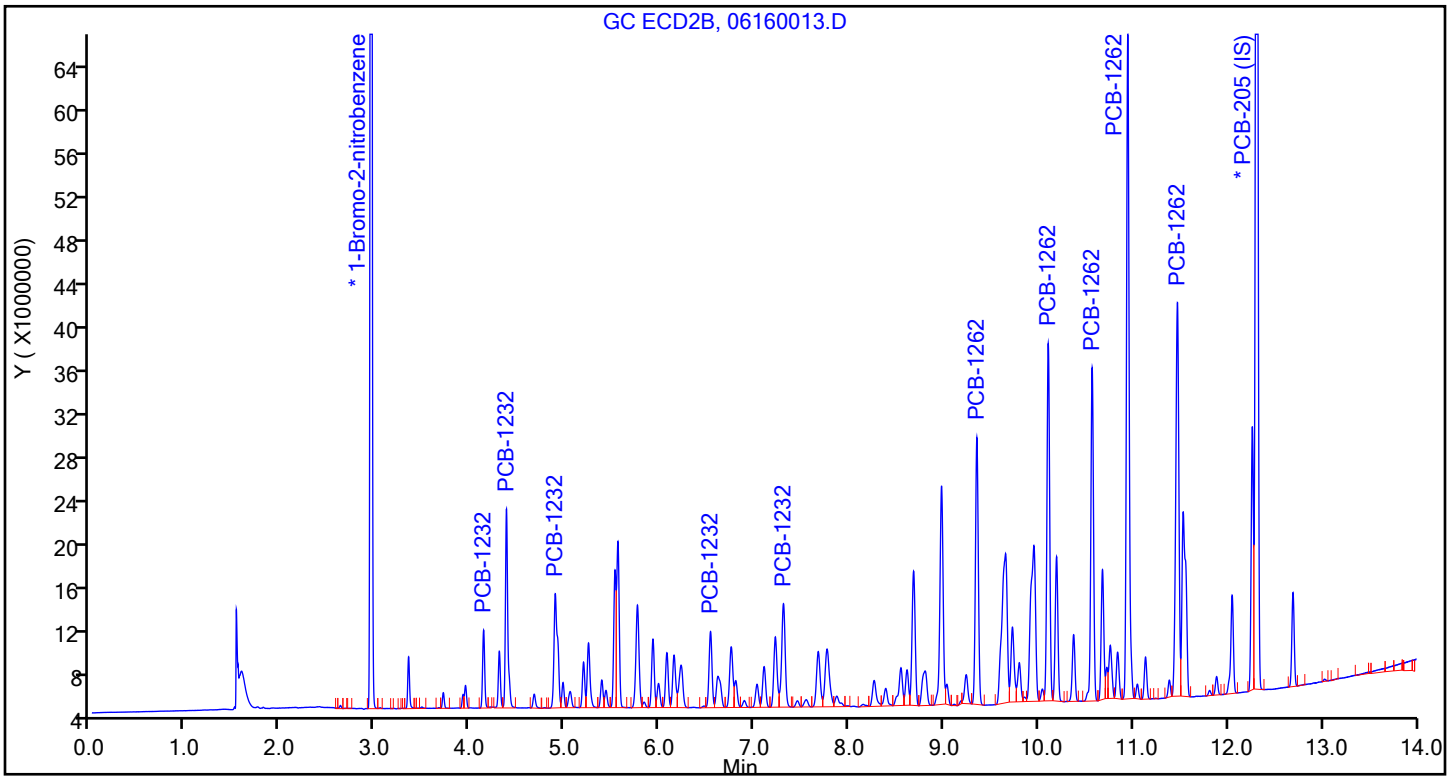
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/14 Calibration Date: 06/16/2022 12:00

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:30

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:30

Lab File ID: 06160014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0131	0.0132		0.506	0.500	1.1	20.0
PCB-1242 Peak 2	Ave	0.0184	0.0181		0.492	0.500	-1.5	20.0
PCB-1242 Peak 3	Ave	0.0165	0.0161		0.488	0.500	-2.4	20.0
PCB-1242 Peak 4	Ave	0.0134	0.0130		0.486	0.500	-2.9	20.0
PCB-1242 Peak 5	Ave	0.0121	0.0119		0.490	0.500	-1.9	20.0
PCB-1268 Peak 1	Ave	0.1180	0.1171		0.496	0.500	-0.8	20.0
PCB-1268 Peak 2	Ave	0.0995	0.0990		0.498	0.500	-0.5	20.0
PCB-1268 Peak 3	Ave	0.0939	0.0922		0.491	0.500	-1.9	20.0
PCB-1268 Peak 4	Ave	0.3385	0.3320		0.490	0.500	-1.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/14 Calibration Date: 06/16/2022 12:00

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:30

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:30

Lab File ID: 06160014.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.70	3.65	3.75
PCB-1242 Peak 2	4.05	4.00	4.10
PCB-1242 Peak 3	4.72	4.67	4.77
PCB-1242 Peak 4	5.25	5.20	5.30
PCB-1242 Peak 5	5.89	5.84	5.94
PCB-1268 Peak 1	9.98	9.93	10.03
PCB-1268 Peak 2	10.04	9.99	10.09
PCB-1268 Peak 3	10.34	10.30	10.40
PCB-1268 Peak 4	11.28	11.24	11.34

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160014.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:00:53 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-014
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 13:00:46 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	188650263H	0.1000	0.1000	
2	2.950	2.949	0.000	248483248H	0.1000	0.1000	
6 PCB-1242							
1	3.697	3.695	0.002	12474488H	0.5000	0.5057	
1	4.048	4.047	0.001	17096483H	0.5000	0.4925	
1	4.724	4.722	0.002	15193098H	0.5000	0.4878	
1	5.245	5.245	0.000	12244704H	0.5000	0.4857	
1	5.891	5.889	0.002	11199666H	0.5000	0.4905	
		Average of Peak Amounts =				0.4924	
2	4.380	4.377	0.003	13748073H	0.5000	0.5018	
2	4.895	4.893	0.002	18009767H	0.5000	0.4940	
2	5.763	5.760	0.003	16527319H	0.5000	0.5050	
2	7.310	7.306	0.004	13745460H	0.5000	0.4904	
2	7.765	7.765	0.000	10519730H	0.5000	0.4895	
		Average of Peak Amounts =				0.4961	
						RPD = 0.75	
11 PCB-1268							
1	9.980	9.983	-0.003	71507682H	0.5000	0.4959	
1	10.042	10.044	-0.002	60460566H	0.5000	0.4977	
1	10.342	10.345	-0.003	56307008H	0.5000	0.4906	
1	11.281	11.285	-0.004	202782768H	0.5000	0.4904	
		Average of Peak Amounts =				0.4937	
2	11.462	11.464	-0.002	77358792H	0.5000	0.5100	
2	11.527	11.529	-0.002	64261368H	0.5000	0.5146	
2	11.880	11.882	-0.002	61422801H	0.5000	0.5022	
2	12.688	12.690	-0.002	225412524H	0.5000	0.4989	
		Average of Peak Amounts =				0.5064	
						RPD = 2.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 12 PCB-205 (IS)							
1	10.952	10.957	-0.005	122151540	H 0.1000	0.1000	
2	12.305	12.308	-0.003	139643670	H 0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR4268ICV_00018	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 13:00:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160014.D

Injection Date: 16-Jun-2022 12:00:53 Instrument ID: CHGC20

Lims ID: ICV

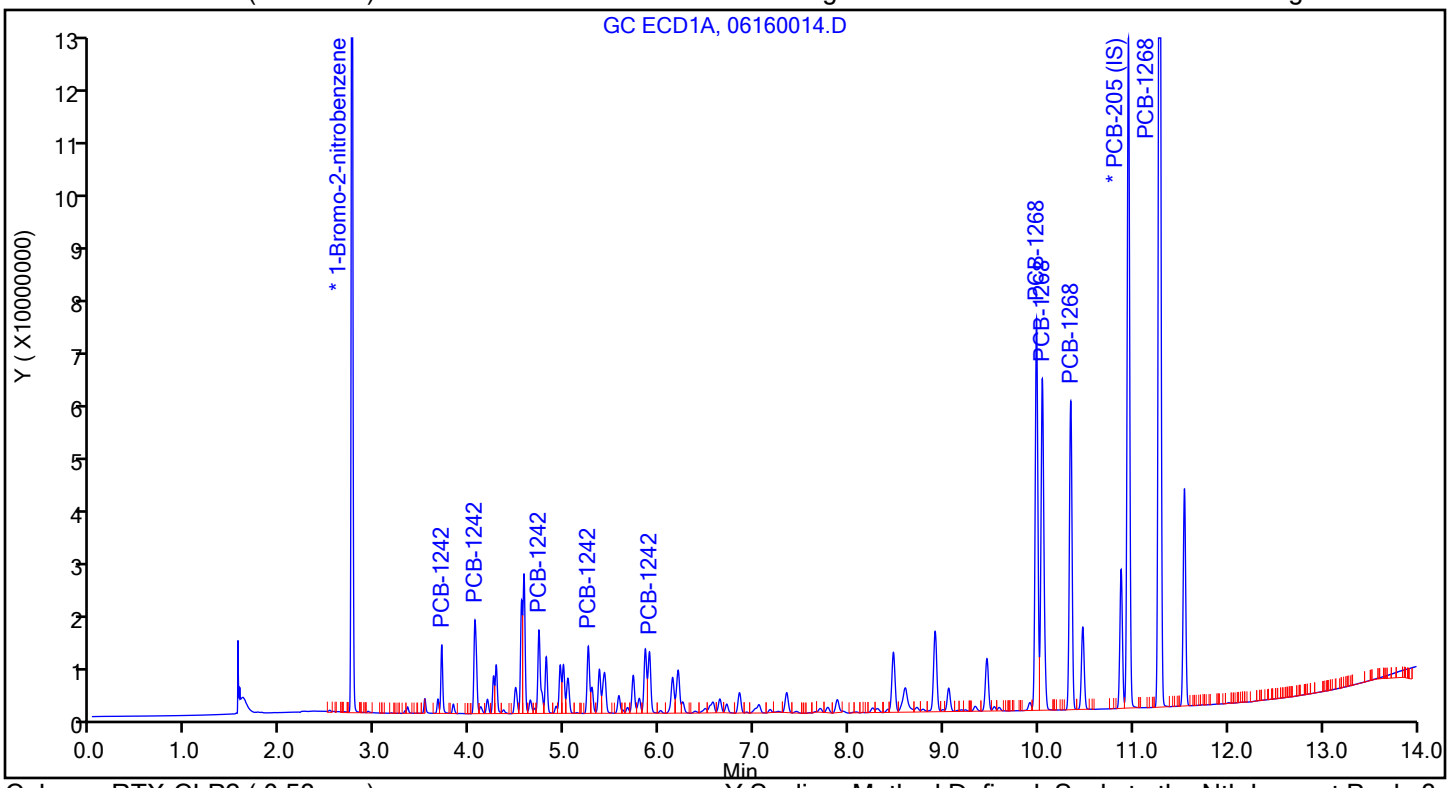
Client ID:

Operator ID: 402331 ALS Bottle#: 14 Worklist Smp#: 14

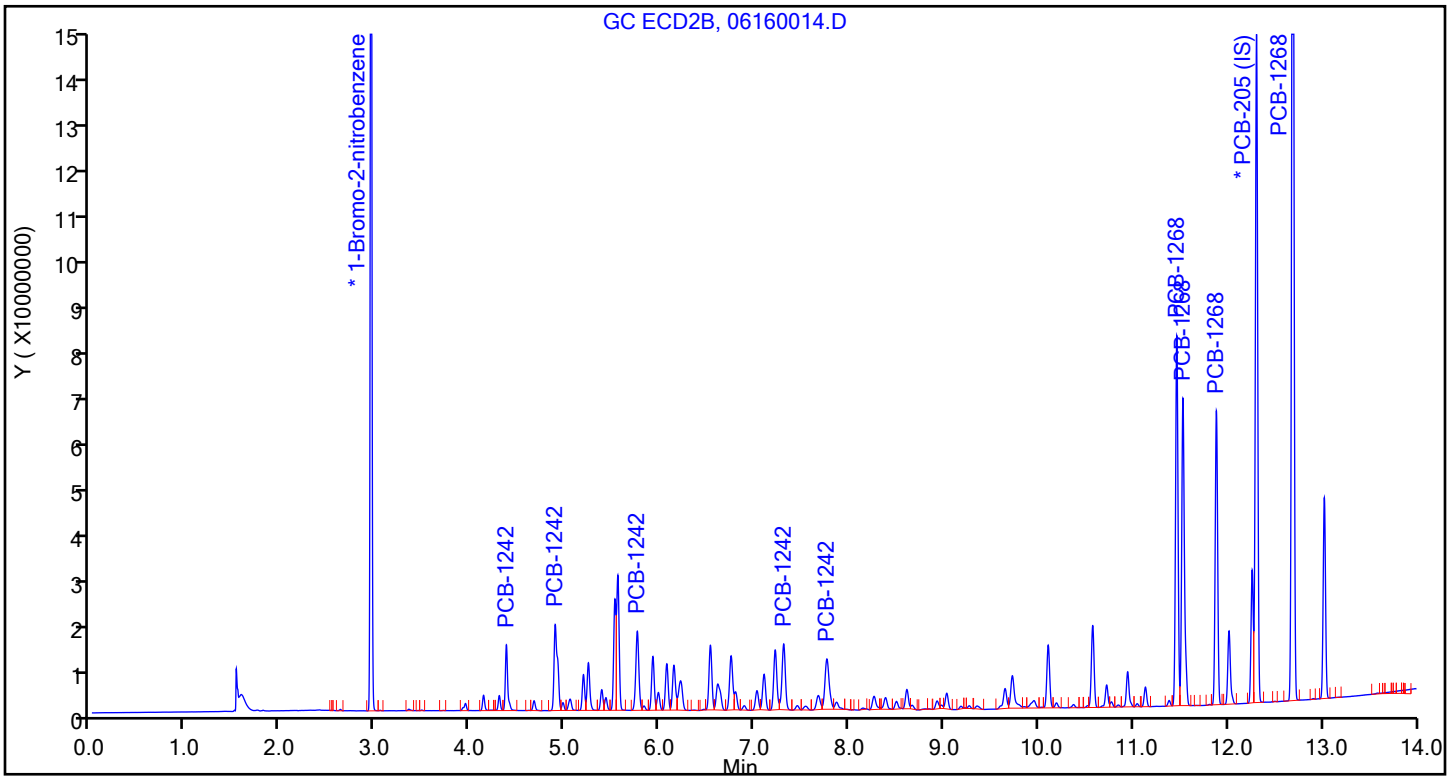
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/14 Calibration Date: 06/16/2022 12:00

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:30

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:30

Lab File ID: 06160014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0110	0.0111		0.502	0.500	0.4	20.0
PCB-1242 Peak 2	Ave	0.0147	0.0145		0.494	0.500	-1.2	20.0
PCB-1242 Peak 3	Ave	0.0132	0.0133		0.505	0.500	1.0	20.0
PCB-1242 Peak 4	Ave	0.0113	0.0111		0.490	0.500	-1.9	20.0
PCB-1242 Peak 5	Ave	0.0086	0.0085		0.489	0.500	-2.1	20.0
PCB-1268 Peak 1	Ave	0.1086	0.1108		0.510	0.500	2.0	20.0
PCB-1268 Peak 2	Ave	0.0894	0.0920		0.515	0.500	2.9	20.0
PCB-1268 Peak 3	Ave	0.0876	0.0880		0.502	0.500	0.4	20.0
PCB-1268 Peak 4	Ave	0.3235	0.3228		0.499	0.500	-0.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/14 Calibration Date: 06/16/2022 12:00

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:30

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:30

Lab File ID: 06160014.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.38	4.33	4.43
PCB-1242 Peak 2	4.90	4.84	4.94
PCB-1242 Peak 3	5.76	5.71	5.81
PCB-1242 Peak 4	7.31	7.26	7.36
PCB-1242 Peak 5	7.77	7.72	7.82
PCB-1268 Peak 1	11.46	11.41	11.51
PCB-1268 Peak 2	11.53	11.48	11.58
PCB-1268 Peak 3	11.88	11.83	11.93
PCB-1268 Peak 4	12.69	12.64	12.74

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160014.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:00:53 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-014
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 13:00:46 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	-0.001	188650263H	0.1000	0.1000	
2	2.950	2.949	0.000	248483248H	0.1000	0.1000	
6 PCB-1242							
1	3.697	3.695	0.002	12474488H	0.5000	0.5057	
1	4.048	4.047	0.001	17096483H	0.5000	0.4925	
1	4.724	4.722	0.002	15193098H	0.5000	0.4878	
1	5.245	5.245	0.000	12244704H	0.5000	0.4857	
1	5.891	5.889	0.002	11199666H	0.5000	0.4905	
		Average of Peak Amounts =				0.4924	
2	4.380	4.377	0.003	13748073H	0.5000	0.5018	
2	4.895	4.893	0.002	18009767H	0.5000	0.4940	
2	5.763	5.760	0.003	16527319H	0.5000	0.5050	
2	7.310	7.306	0.004	13745460H	0.5000	0.4904	
2	7.765	7.765	0.000	10519730H	0.5000	0.4895	
		Average of Peak Amounts =				0.4961	
						RPD = 0.75	
11 PCB-1268							
1	9.980	9.983	-0.003	71507682H	0.5000	0.4959	
1	10.042	10.044	-0.002	60460566H	0.5000	0.4977	
1	10.342	10.345	-0.003	56307008H	0.5000	0.4906	
1	11.281	11.285	-0.004	202782768H	0.5000	0.4904	
		Average of Peak Amounts =				0.4937	
2	11.462	11.464	-0.002	77358792H	0.5000	0.5100	
2	11.527	11.529	-0.002	64261368H	0.5000	0.5146	
2	11.880	11.882	-0.002	61422801H	0.5000	0.5022	
2	12.688	12.690	-0.002	225412524H	0.5000	0.4989	
		Average of Peak Amounts =				0.5064	
						RPD = 2.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 12 PCB-205 (IS)							
1	10.952	10.957	-0.005	122151540	H 0.1000	0.1000	
2	12.305	12.308	-0.003	139643670	H 0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR4268ICV_00018	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 13:00:57 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160014.D

Injection Date: 16-Jun-2022 12:00:53 Instrument ID: CHGC20

Lims ID: ICV

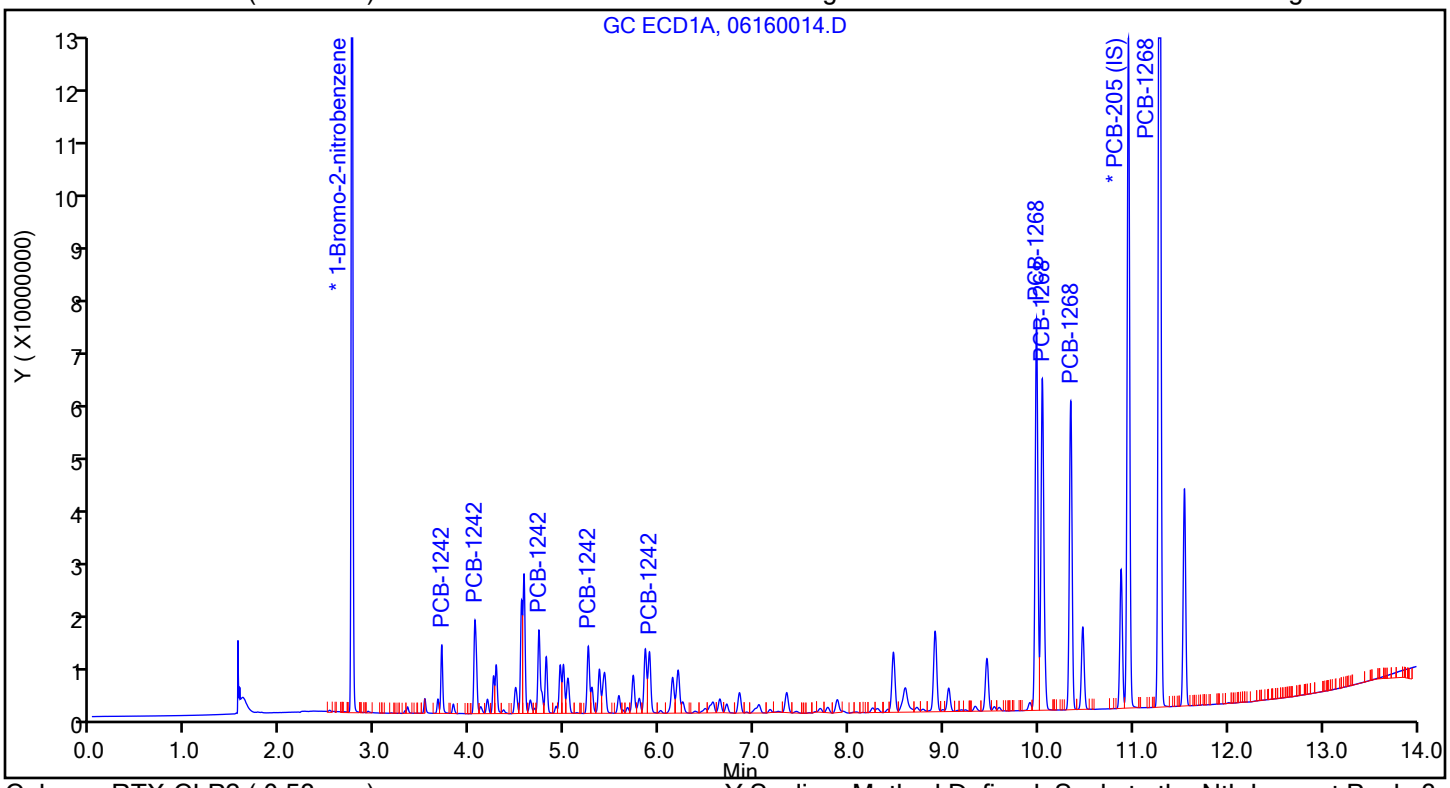
Client ID:

Operator ID: 402331 ALS Bottle#: 14 Worklist Smp#: 14

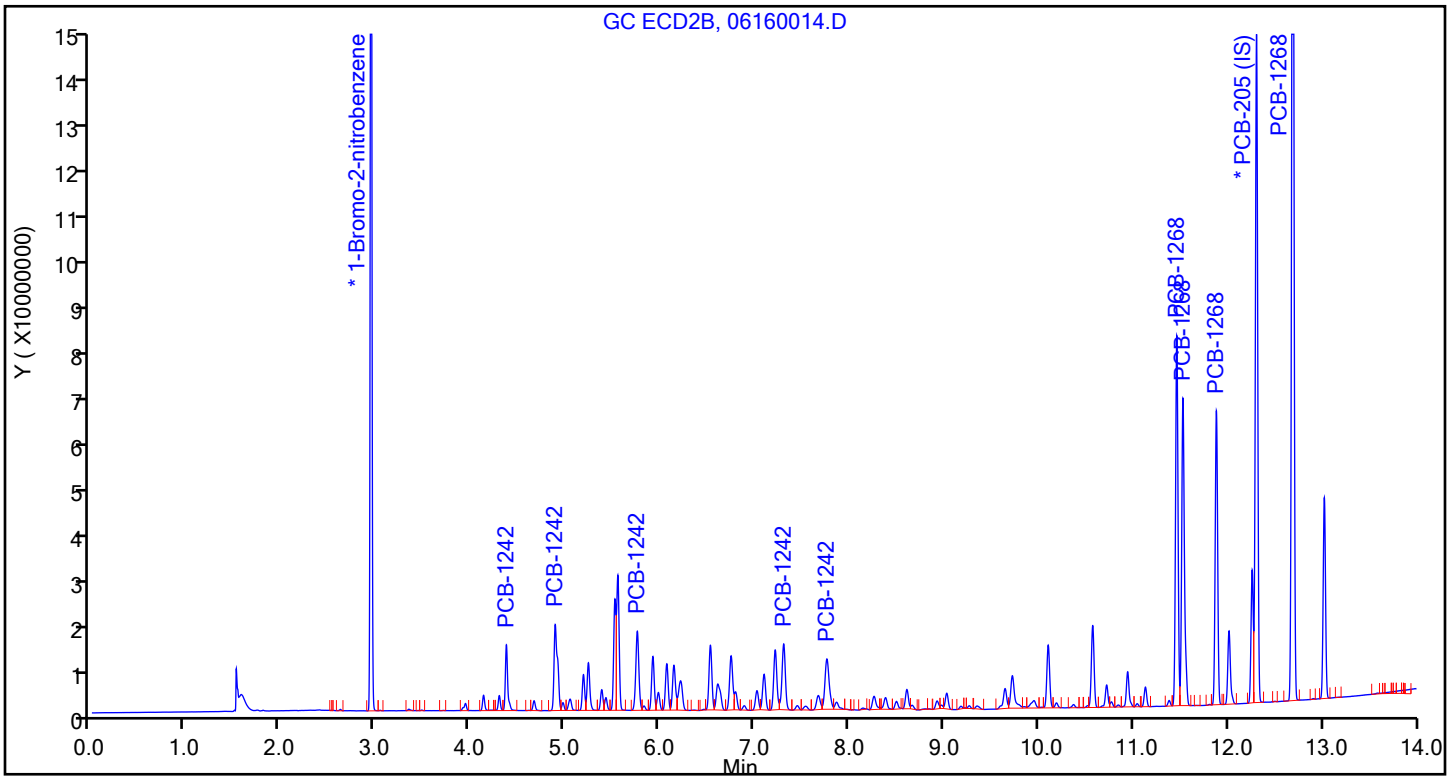
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/15 Calibration Date: 06/16/2022 12:20

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 06160015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0096	0.0097		0.503	0.500	0.6	20.0
PCB-1248 Peak 2	Ave	0.0168	0.0170		0.505	0.500	1.0	20.0
PCB-1248 Peak 3	Ave	0.0212	0.0209		0.492	0.500	-1.5	20.0
PCB-1248 Peak 4	Ave	0.0230	0.0223		0.485	0.500	-3.1	20.0
PCB-1248 Peak 5	Ave	0.0107	0.0105		0.489	0.500	-2.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/15 Calibration Date: 06/16/2022 12:20

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 06160015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.05	4.00	4.10
PCB-1248 Peak 2	4.95	4.90	5.00
PCB-1248 Peak 3	5.24	5.20	5.30
PCB-1248 Peak 4	5.85	5.80	5.90
PCB-1248 Peak 5	6.84	6.80	6.90

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160015.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:20:13 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-015
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	0.000	201540889H	0.1000	0.1000	
2	2.950	2.949	0.001	263892469H	0.1000	0.1000	
7 PCB-1248							
1	4.047	4.047	0.000	9742696H	0.5000	0.5028	
1	4.949	4.949	0.000	17133484H	0.5000	0.5050	
1	5.244	5.246	-0.002	21061252H	0.5000	0.4924	
1	5.847	5.849	-0.002	22477488H	0.5000	0.4847	
1	6.843	6.845	-0.002	10541285H	0.5000	0.4885	
		Average of Peak Amounts =				0.4947	
2	4.896	4.895	0.001	10505546H	0.5000	0.5008	
2	6.074	6.074	0.000	18618759H	0.5000	0.4872	
2	6.536	6.536	0.000	23274405H	0.5000	0.4959	
2	7.308	7.309	-0.001	25797033H	0.5000	0.4916	
2	7.767	7.767	0.000	17669253H	0.5000	0.4941	
		Average of Peak Amounts =				0.4939	
						RPD = 0.15	
* 12 PCB-205 (IS)							
1	10.950	10.957	-0.007	127737202H	0.1000	0.1000	
2	12.305	12.308	-0.003	147281275H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCAR1248ICV_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:43 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160015.D

Injection Date: 16-Jun-2022 12:20:13 Instrument ID: CHGC20

Lims ID: ICV

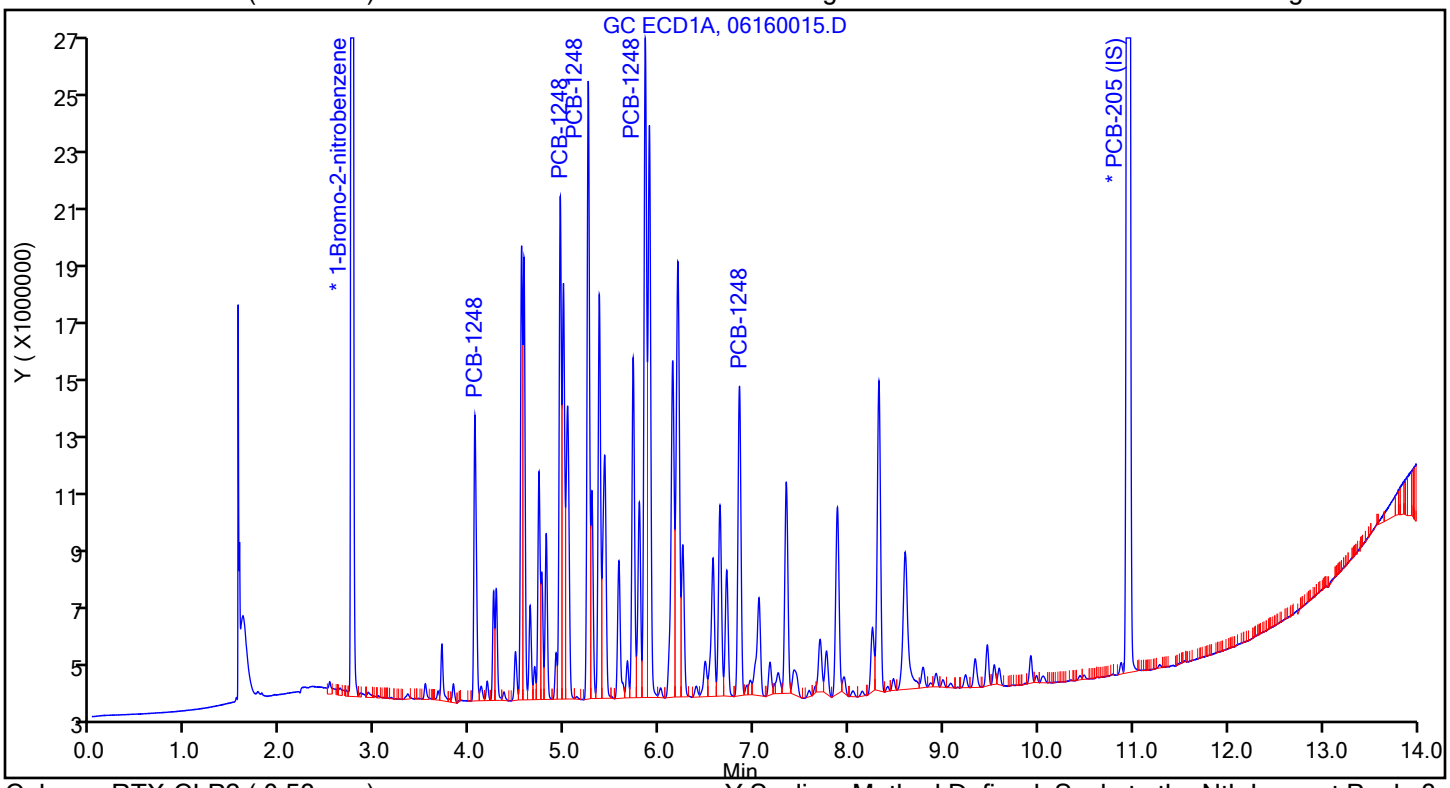
Client ID:

Operator ID: 402331 ALS Bottle#: 15 Worklist Smp#: 15

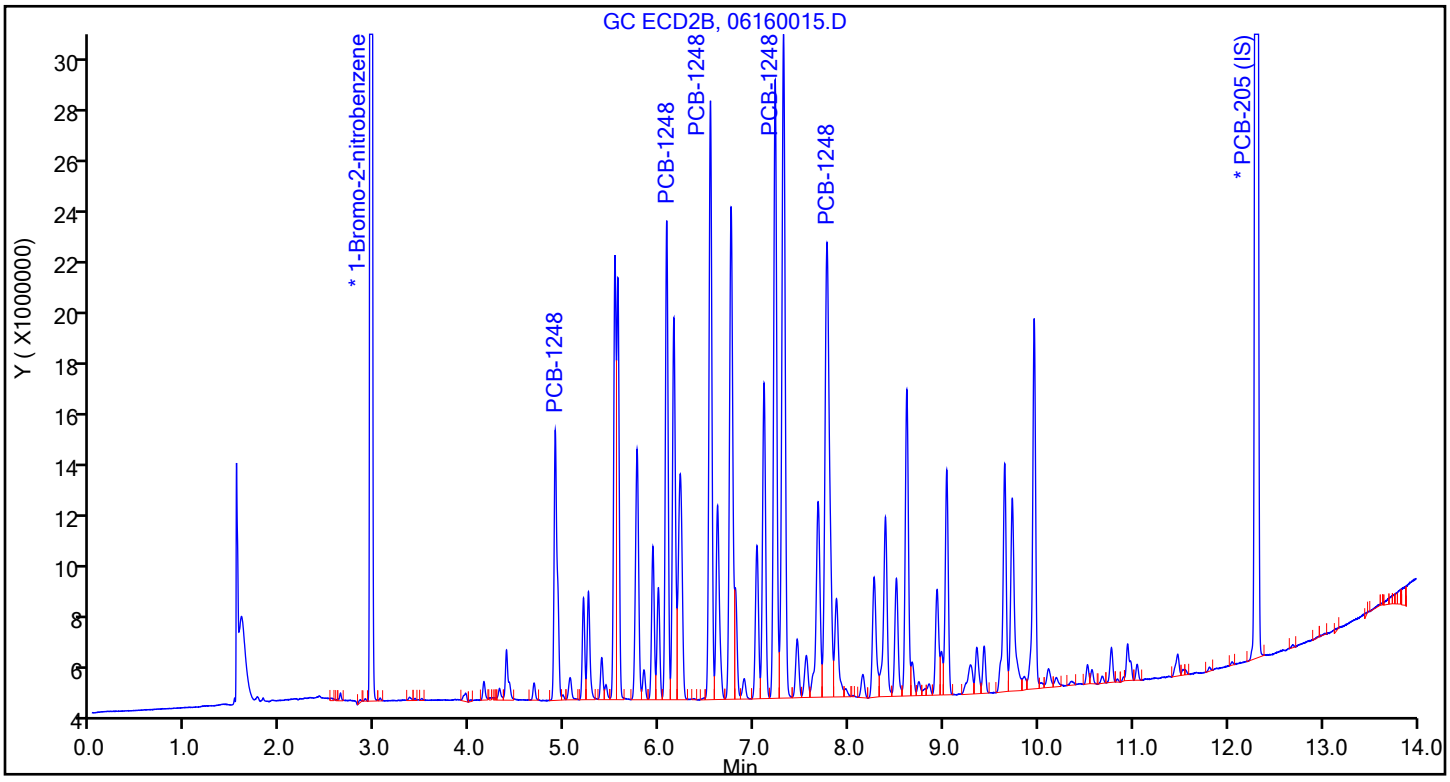
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/15 Calibration Date: 06/16/2022 12:20

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 06160015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0079	0.0080		0.501	0.500	0.2	20.0
PCB-1248 Peak 2	Ave	0.0145	0.0141		0.487	0.500	-2.6	20.0
PCB-1248 Peak 3	Ave	0.0178	0.0176		0.496	0.500	-0.8	20.0
PCB-1248 Peak 4	Ave	0.0199	0.0196		0.492	0.500	-1.7	20.0
PCB-1248 Peak 5	Ave	0.0136	0.0134		0.494	0.500	-1.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/15 Calibration Date: 06/16/2022 12:20

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 06160015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.90	4.85	4.95
PCB-1248 Peak 2	6.07	6.02	6.12
PCB-1248 Peak 3	6.54	6.49	6.59
PCB-1248 Peak 4	7.31	7.26	7.36
PCB-1248 Peak 5	7.77	7.72	7.82

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160015.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:20:13 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-015
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.749	2.749	0.000	201540889H	0.1000	0.1000	
2	2.950	2.949	0.001	263892469H	0.1000	0.1000	
7 PCB-1248							
1	4.047	4.047	0.000	9742696H	0.5000	0.5028	
1	4.949	4.949	0.000	17133484H	0.5000	0.5050	
1	5.244	5.246	-0.002	21061252H	0.5000	0.4924	
1	5.847	5.849	-0.002	22477488H	0.5000	0.4847	
1	6.843	6.845	-0.002	10541285H	0.5000	0.4885	
		Average of Peak Amounts =				0.4947	
2	4.896	4.895	0.001	10505546H	0.5000	0.5008	
2	6.074	6.074	0.000	18618759H	0.5000	0.4872	
2	6.536	6.536	0.000	23274405H	0.5000	0.4959	
2	7.308	7.309	-0.001	25797033H	0.5000	0.4916	
2	7.767	7.767	0.000	17669253H	0.5000	0.4941	
		Average of Peak Amounts =				0.4939	
						RPD = 0.15	
* 12 PCB-205 (IS)							
1	10.950	10.957	-0.007	127737202H	0.1000	0.1000	
2	12.305	12.308	-0.003	147281275H	0.1000	0.1000	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCAR1248ICV_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:44 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160015.D

Injection Date: 16-Jun-2022 12:20:13 Instrument ID: CHGC20

Lims ID: ICV

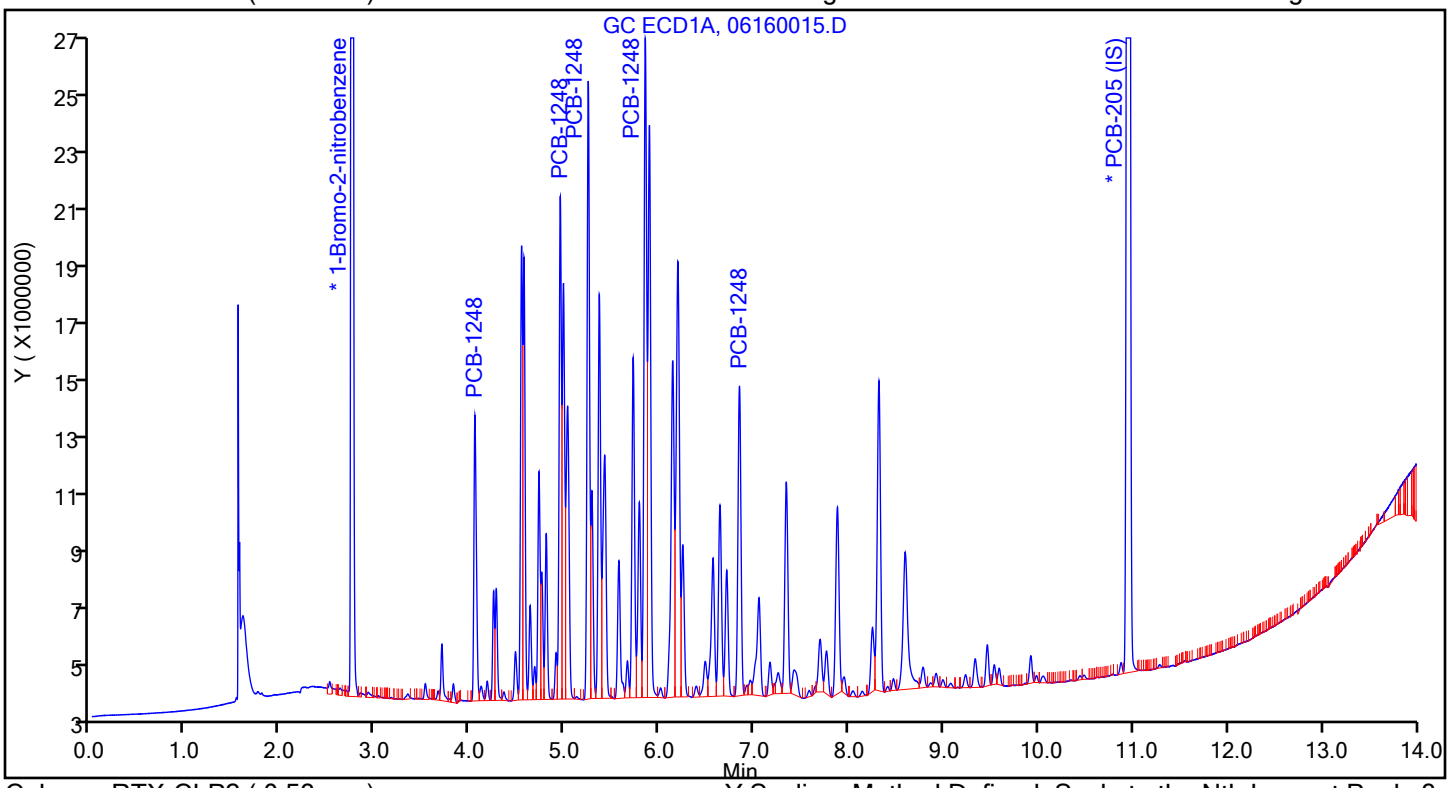
Client ID:

Operator ID: 402331 ALS Bottle#: 15 Worklist Smp#: 15

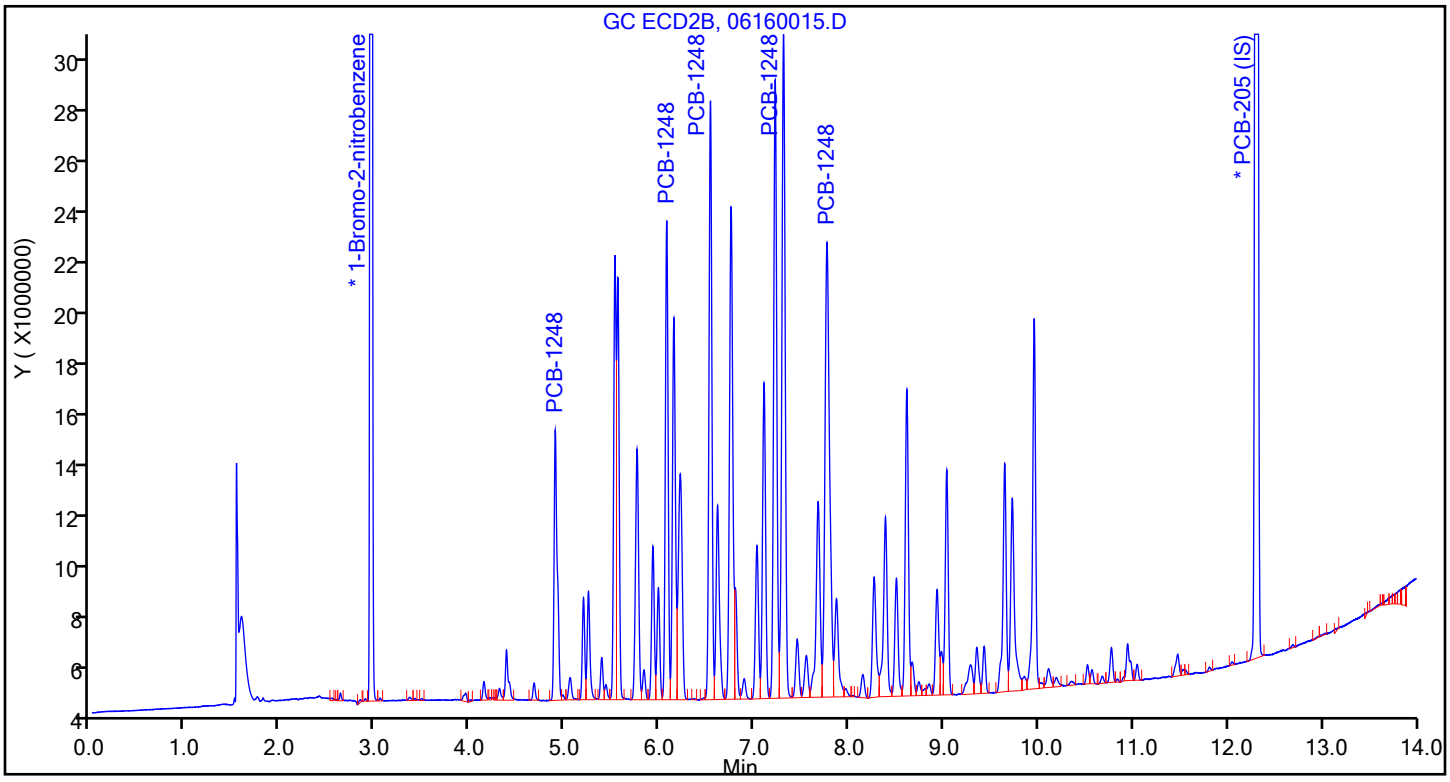
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/16 Calibration Date: 06/16/2022 12:39

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 06160016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0151	0.0149		0.496	0.500	-0.9	20.0
PCB-1016 Peak 2	Ave	0.0213	0.0224		0.527	0.500	5.3	20.0
PCB-1016 Peak 3	Ave	0.0199	0.0195		0.490	0.500	-1.9	20.0
PCB-1016 Peak 4	Ave	0.0135	0.0136		0.503	0.500	0.7	20.0
PCB-1016 Peak 5	Ave	0.0156	0.0156		0.501	0.500	0.2	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0366		0.497	0.500	-0.7	20.0
PCB-1260 Peak 2	Ave	0.0487	0.0496		0.509	0.500	1.8	20.0
PCB-1260 Peak 3	Ave	0.0349	0.0308		0.440	0.500	-12.0	20.0
PCB-1260 Peak 4	Ave	0.0838	0.0739		0.441	0.500	-11.9	20.0
PCB-1260 Peak 5	Ave	0.0450	0.0433		0.481	0.500	-3.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/16 Calibration Date: 06/16/2022 12:39

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 06160016.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.70	3.65	3.75
PCB-1016 Peak 2	4.05	4.00	4.10
PCB-1016 Peak 3	4.72	4.68	4.78
PCB-1016 Peak 4	4.80	4.75	4.85
PCB-1016 Peak 5	5.24	5.20	5.30
PCB-1260 Peak 1	7.16	7.12	7.22
PCB-1260 Peak 2	7.69	7.65	7.75
PCB-1260 Peak 3	8.92	8.88	8.98
PCB-1260 Peak 4	9.46	9.42	9.52
PCB-1260 Peak 5	9.92	9.88	9.98

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160016.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:39:26 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-016
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.748	2.749	-0.002	199622885H	0.1000	0.1000	
2	2.949	2.949	0.000	259020709H	0.1000	0.1000	
5 PCB-1016							
1	3.695	3.699	-0.004	14898436H	0.5000	0.4957	
1	4.047	4.050	-0.003	22364205H	0.5000	0.5267	
1	4.723	4.727	-0.004	19468351H	0.5000	0.4904	
1	4.800	4.804	-0.004	13549259H	0.5000	0.5034	
1	5.244	5.249	-0.005	15571578H	0.5000	0.5008	
		Average of Peak Amounts =				0.5034	
2	4.379	4.379	0.000	16321521H	0.5000	0.5048	
2	4.895	4.896	-0.001	23031227H	0.5000	0.5125	
2	5.763	5.763	0.000	20689853H	0.5000	0.4974	
2	6.534	6.536	-0.002	16557915H	0.5000	0.4795	
2	7.299	7.304	-0.005	11165979H	0.5000	0.4302	
		Average of Peak Amounts =				0.4849	
						RPD = 3.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.163	7.169	-0.006	23357318H	0.5000	0.4966	
1	7.690	7.696	-0.006	31684626H	0.5000	0.5091	
1	8.918	8.925	-0.007	19636629H	0.5000	0.4401	
1	9.459	9.466	-0.007	47184361H	0.5000	0.4407	
1	9.919	9.927	-0.008	27645181H	0.5000	0.4807	
		Average of Peak Amounts =				0.4734	
2	8.974	8.978	-0.004	26657140H	0.5000	0.4893	
2	9.347	9.351	-0.004	32738995H	0.5000	0.4807	
2	10.566	10.569	-0.003	22304789H	0.5000	0.4466	
2	10.941	10.944	-0.003	51039793H	0.5000	0.4389	
2	11.470	11.474	-0.004	29105464H	0.5000	0.4652	
		Average of Peak Amounts =				0.4641	
						RPD = 1.99	
* 12 PCB-205 (IS)							
1	10.950	10.957	-0.007	127702344H	0.1000	0.1000	
2	12.304	12.308	-0.004	148055910H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660ICV_00021	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:35 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160016.D

Injection Date: 16-Jun-2022 12:39:26 Instrument ID: CHGC20

Lims ID: ICV

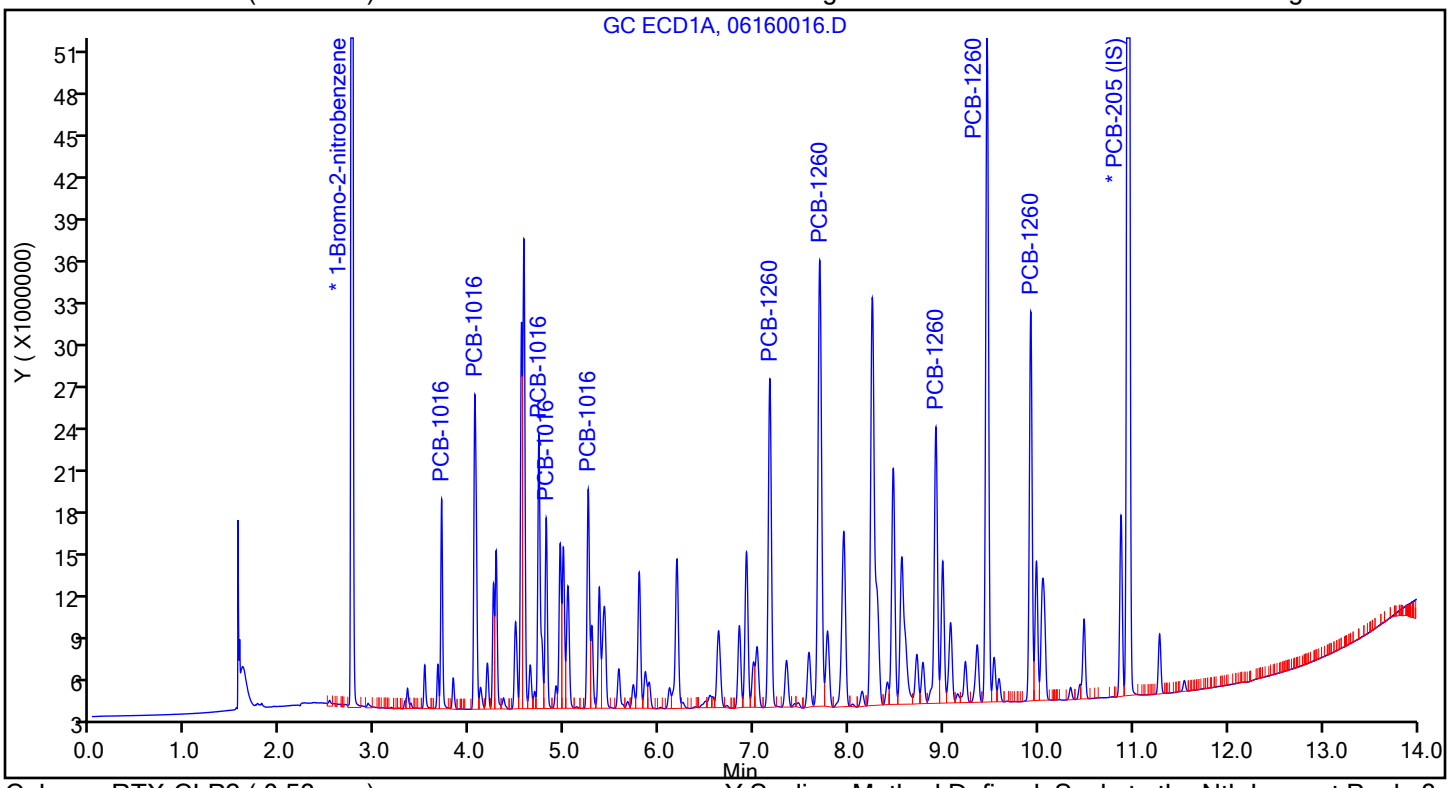
Client ID:

Operator ID: 402331 ALS Bottle#: 16 Worklist Smp#: 16

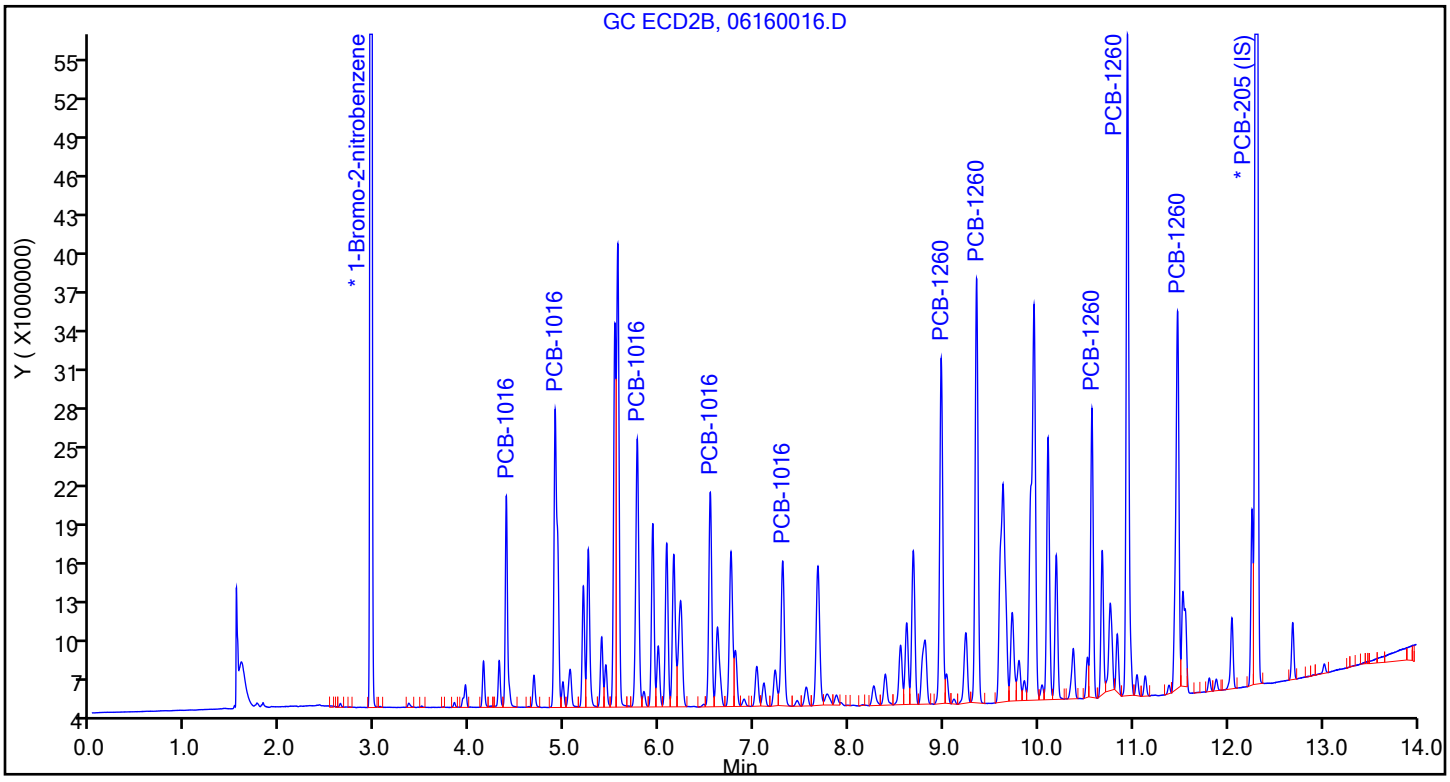
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/16 | Calibration Date: 06/16/2022 12:39

Instrument ID: CHGC20 | Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) | Calib End Date: 06/16/2022 11:03

Lab File ID: 06160016.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0125	0.0126		0.505	0.500	1.0	20.0
PCB-1016 Peak 2	Ave	0.0173	0.0178		0.513	0.500	2.5	20.0
PCB-1016 Peak 3	Ave	0.0161	0.0160		0.497	0.500	-0.5	20.0
PCB-1016 Peak 4	Ave	0.0133	0.0128		0.480	0.500	-4.1	20.0
PCB-1016 Peak 5	Ave	0.0100	0.0086		0.430	0.500	-14.0	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0360		0.489	0.500	-2.1	20.0
PCB-1260 Peak 2	Ave	0.0460	0.0442		0.481	0.500	-3.9	20.0
PCB-1260 Peak 3	Ave	0.0337	0.0301		0.447	0.500	-10.7	20.0
PCB-1260 Peak 4	Ave	0.0785	0.0689		0.439	0.500	-12.2	20.0
PCB-1260 Peak 5	Ave	0.0423	0.0393		0.465	0.500	-7.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402156/16 Calibration Date: 06/16/2022 12:39

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 06160016.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.38	4.33	4.43
PCB-1016 Peak 2	4.90	4.85	4.95
PCB-1016 Peak 3	5.76	5.71	5.81
PCB-1016 Peak 4	6.53	6.49	6.59
PCB-1016 Peak 5	7.30	7.25	7.35
PCB-1260 Peak 1	8.97	8.93	9.03
PCB-1260 Peak 2	9.35	9.30	9.40
PCB-1260 Peak 3	10.57	10.52	10.62
PCB-1260 Peak 4	10.94	10.89	10.99
PCB-1260 Peak 5	11.47	11.42	11.52

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160016.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2022 12:39:26 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043341-016
Operator ID: 402331 Instrument ID: CHGC20
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 17-Jun-2022 12:31:35 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1625

First Level Reviewer: oravecj Date: 17-Jun-2022 05:52:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.748	2.749	-0.002	199622885H	0.1000	0.1000	
2	2.949	2.949	0.000	259020709H	0.1000	0.1000	
5 PCB-1016							
1	3.695	3.699	-0.004	14898436H	0.5000	0.4957	
1	4.047	4.050	-0.003	22364205H	0.5000	0.5267	
1	4.723	4.727	-0.004	19468351H	0.5000	0.4904	
1	4.800	4.804	-0.004	13549259H	0.5000	0.5034	
1	5.244	5.249	-0.005	15571578H	0.5000	0.5008	
		Average of Peak Amounts =				0.5034	
2	4.379	4.379	0.000	16321521H	0.5000	0.5048	
2	4.895	4.896	-0.001	23031227H	0.5000	0.5125	
2	5.763	5.763	0.000	20689853H	0.5000	0.4974	
2	6.534	6.536	-0.002	16557915H	0.5000	0.4795	
2	7.299	7.304	-0.005	11165979H	0.5000	0.4302	
		Average of Peak Amounts =				0.4849	
						RPD = 3.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.163	7.169	-0.006	23357318H	0.5000	0.4966	
1	7.690	7.696	-0.006	31684626H	0.5000	0.5091	
1	8.918	8.925	-0.007	19636629H	0.5000	0.4401	
1	9.459	9.466	-0.007	47184361H	0.5000	0.4407	
1	9.919	9.927	-0.008	27645181H	0.5000	0.4807	
		Average of Peak Amounts =				0.4734	
2	8.974	8.978	-0.004	26657140H	0.5000	0.4893	
2	9.347	9.351	-0.004	32738995H	0.5000	0.4807	
2	10.566	10.569	-0.003	22304789H	0.5000	0.4466	
2	10.941	10.944	-0.003	51039793H	0.5000	0.4389	
2	11.470	11.474	-0.004	29105464H	0.5000	0.4652	
		Average of Peak Amounts =				0.4641	
						RPD = 1.99	
* 12 PCB-205 (IS)							
1	10.950	10.957	-0.007	127702344H	0.1000	0.1000	
2	12.304	12.308	-0.004	148055910H	0.1000	0.1000	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCAR1660ICV_00021	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 17-Jun-2022 12:38:35 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160016.D

Injection Date: 16-Jun-2022 12:39:26 Instrument ID: CHGC20

Lims ID: ICV

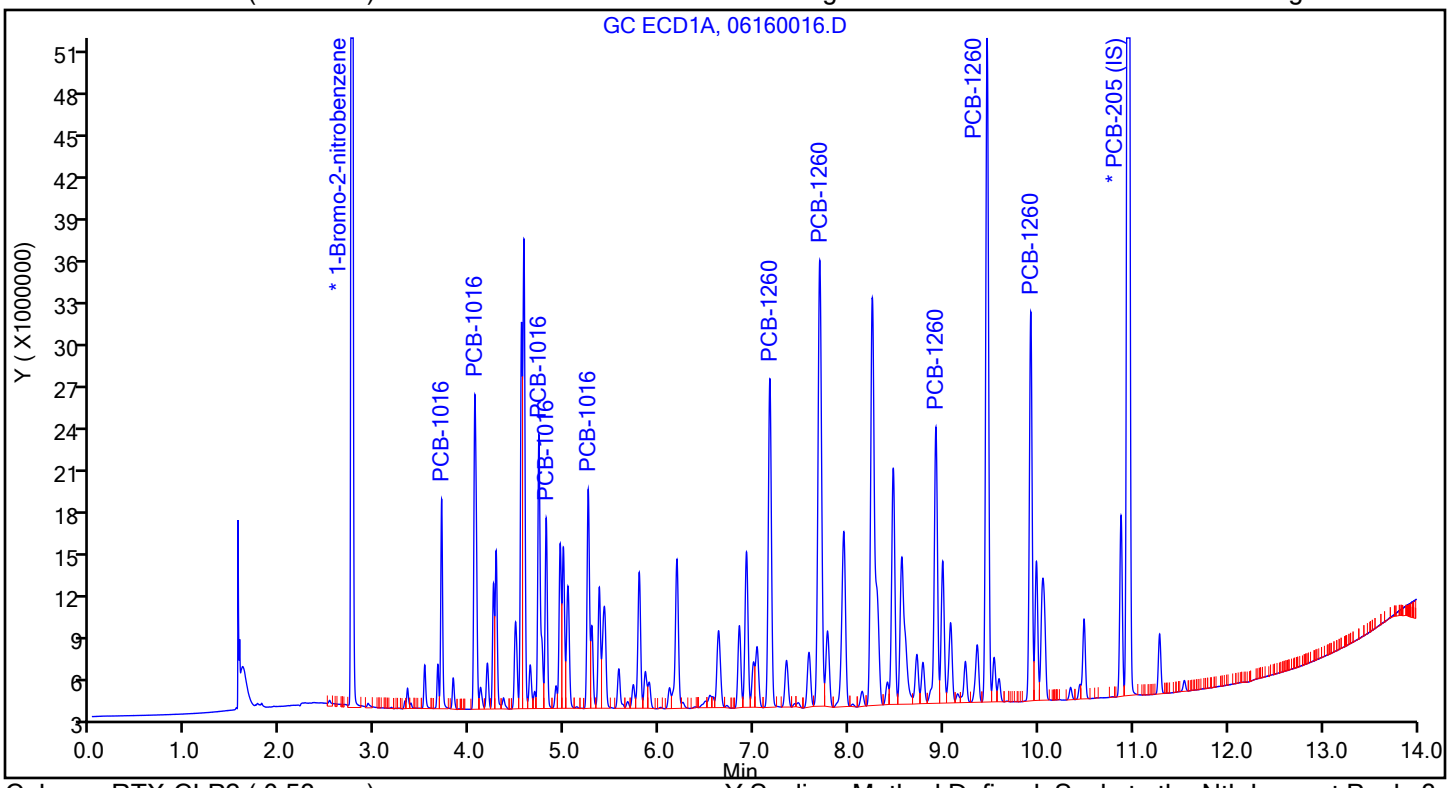
Client ID:

Operator ID: 402331 ALS Bottle#: 16 Worklist Smp#: 16

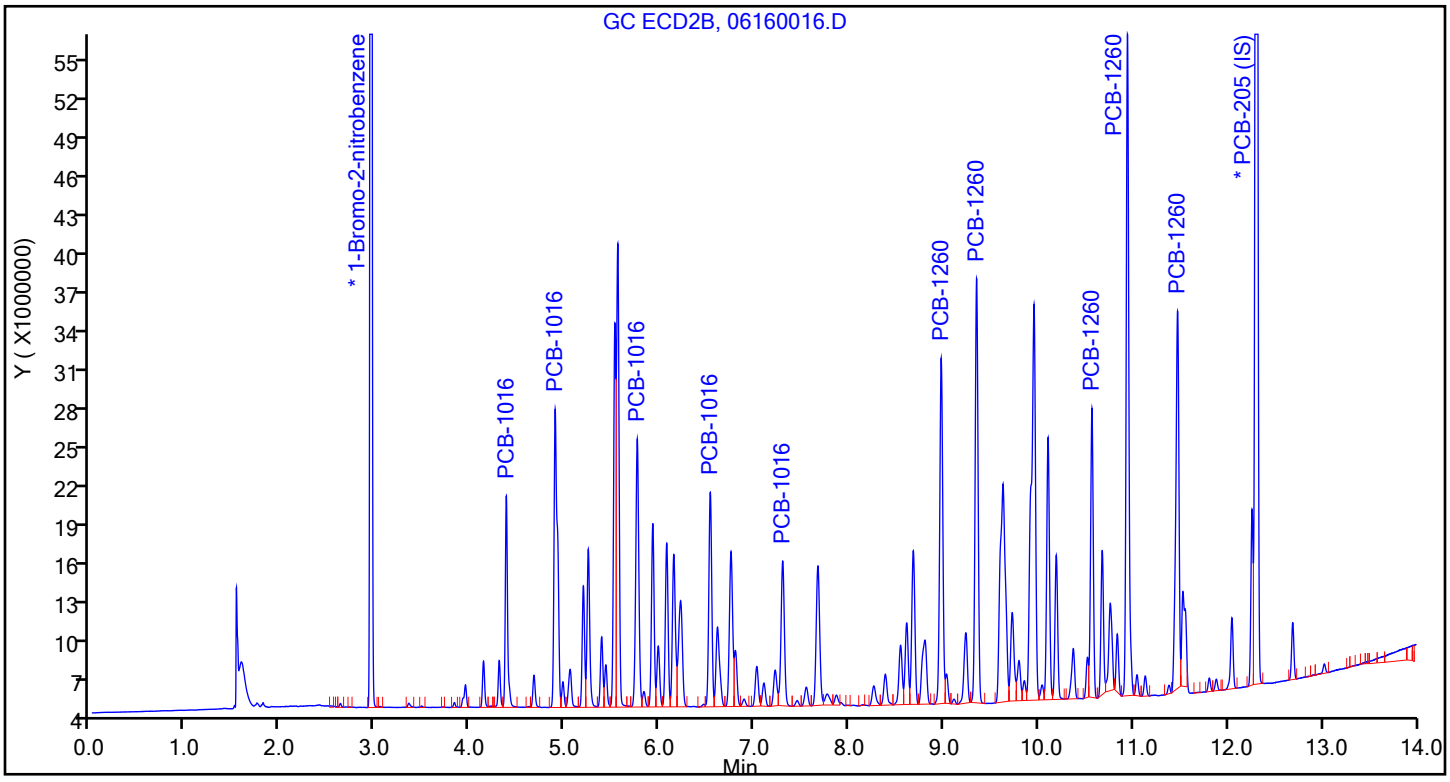
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408111/4 Calibration Date: 08/10/2022 08:12

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 08100004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0096	0.0094		0.488	0.500	-2.4	20.0
PCB-1248 Peak 2	Ave	0.0168	0.0183		0.544	0.500	8.9	20.0
PCB-1248 Peak 3	Ave	0.0212	0.0226		0.533	0.500	6.7	20.0
PCB-1248 Peak 4	Ave	0.0230	0.0245		0.532	0.500	6.4	20.0
PCB-1248 Peak 5	Ave	0.0107	0.0112		0.523	0.500	4.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408111/4 Calibration Date: 08/10/2022 08:12

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 08100004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.02	3.97	4.07
PCB-1248 Peak 2	4.92	4.87	4.97
PCB-1248 Peak 3	5.21	5.16	5.26
PCB-1248 Peak 4	5.81	5.76	5.86
PCB-1248 Peak 5	6.80	6.75	6.85

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100004.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 10-Aug-2022 08:12:22 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-004
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub8

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:07:25 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:56:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.736	2.736	0.000	275987139H	0.1000	0.1000	
2	2.928	2.928	0.000	551470221H	0.1000	0.1000	
7 PCB-1248							
1	4.023	4.023	0.000	12944929H	0.5000	0.4878	
1	4.920	4.920	0.000	25291462H	0.5000	0.5444	
1	5.213	5.213	0.000	31244129H	0.5000	0.5335	
1	5.809	5.809	0.000	33777595H	0.5000	0.5319	
1	6.797	6.797	0.000	15459145H	0.5000	0.5232	
		Average of Peak Amounts =				0.5241	
2	4.847	4.847	0.000	19985703H	0.5000	0.4559	
2	6.012	6.012	0.000	40258430H	0.5000	0.5041	
2	6.469	6.469	0.000	49708187H	0.5000	0.5068	
2	7.236	7.236	0.000	55681490H	0.5000	0.5078	
2	7.686	7.686	0.000	38859960H	0.5000	0.5200	
		Average of Peak Amounts =				0.4989	
						RPD = 4.93	
* 12 PCB-205 (IS)							s
1	10.897	10.897	0.000	162577395H	0.1000	0.1000	
2	12.232	12.232	0.000	250697568H	0.1000	0.1000	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height

Reagents:

GCAR1248CALL4_00029	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:25 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100004.D

Injection Date: 10-Aug-2022 08:12:22 Instrument ID: CHGC20

Lims ID: CCV

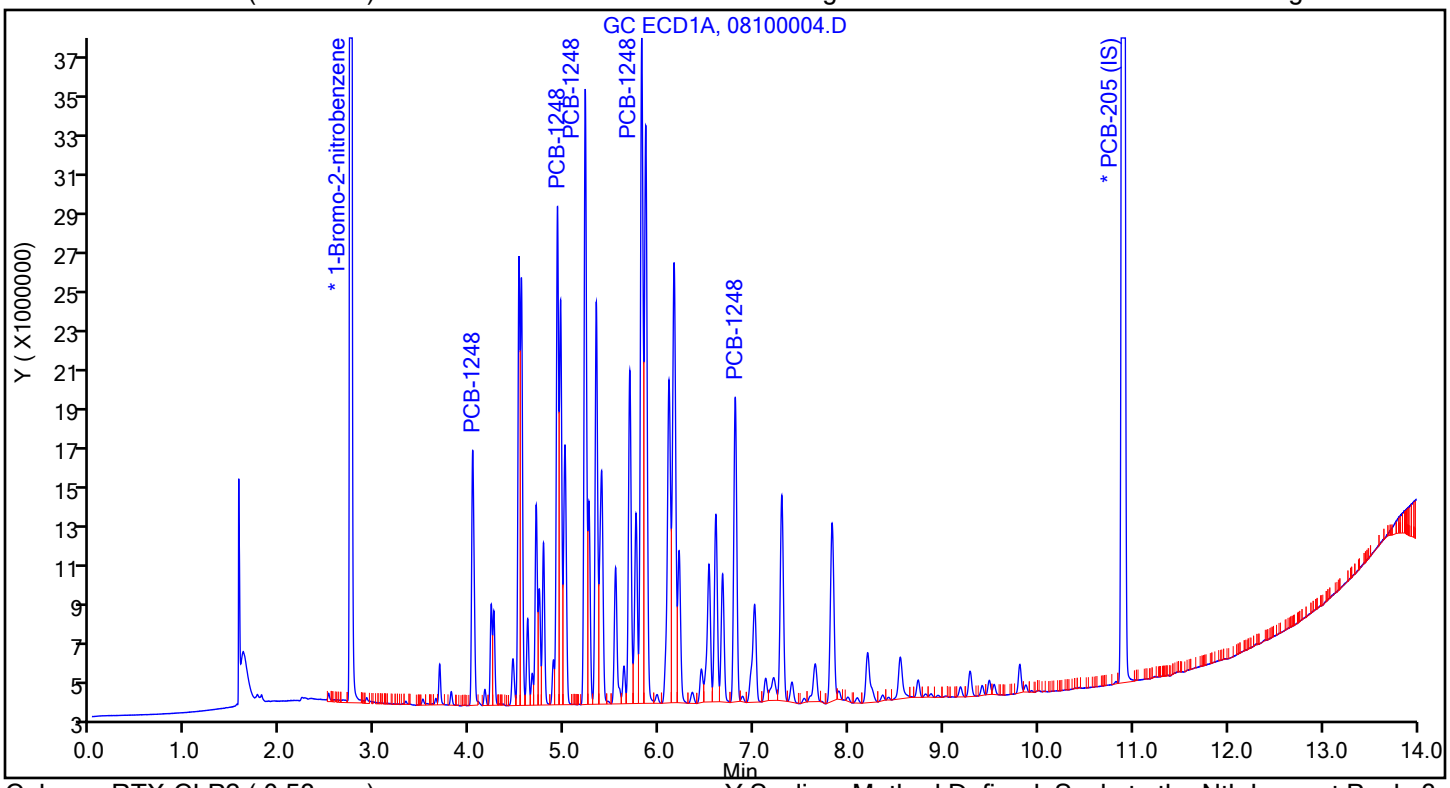
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

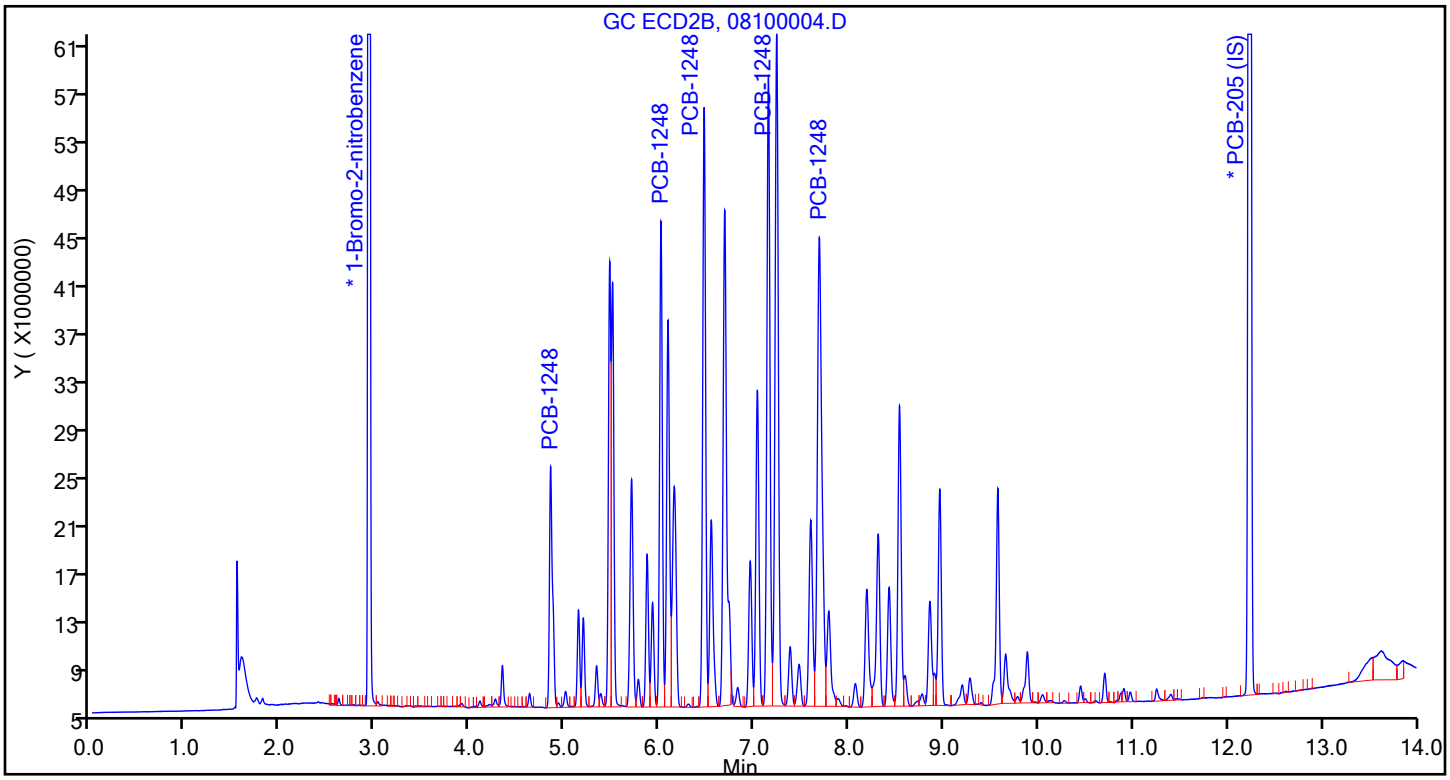
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408111/4 Calibration Date: 08/10/2022 08:12

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 08100004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0079	0.0072		0.456	0.500	-8.8	20.0
PCB-1248 Peak 2	Ave	0.0145	0.0146		0.504	0.500	0.8	20.0
PCB-1248 Peak 3	Ave	0.0178	0.0180		0.507	0.500	1.4	20.0
PCB-1248 Peak 4	Ave	0.0199	0.0202		0.508	0.500	1.6	20.0
PCB-1248 Peak 5	Ave	0.0136	0.0141		0.520	0.500	4.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408111/4 Calibration Date: 08/10/2022 08:12

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 08:49

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 08:49

Lab File ID: 08100004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.85	4.80	4.90
PCB-1248 Peak 2	6.01	5.96	6.06
PCB-1248 Peak 3	6.47	6.42	6.52
PCB-1248 Peak 4	7.24	7.19	7.29
PCB-1248 Peak 5	7.69	7.64	7.74

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100004.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 10-Aug-2022 08:12:22 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-004
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub8

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:07:25 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:56:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.736	2.736	0.000	275987139H	0.1000	0.1000	
2	2.928	2.928	0.000	551470221H	0.1000	0.1000	
7 PCB-1248							
1	4.023	4.023	0.000	12944929H	0.5000	0.4878	
1	4.920	4.920	0.000	25291462H	0.5000	0.5444	
1	5.213	5.213	0.000	31244129H	0.5000	0.5335	
1	5.809	5.809	0.000	33777595H	0.5000	0.5319	
1	6.797	6.797	0.000	15459145H	0.5000	0.5232	
		Average of Peak Amounts =				0.5241	
2	4.847	4.847	0.000	19985703H	0.5000	0.4559	
2	6.012	6.012	0.000	40258430H	0.5000	0.5041	
2	6.469	6.469	0.000	49708187H	0.5000	0.5068	
2	7.236	7.236	0.000	55681490H	0.5000	0.5078	
2	7.686	7.686	0.000	38859960H	0.5000	0.5200	
		Average of Peak Amounts =				0.4989	
						RPD = 4.93	
* 12 PCB-205 (IS)							s
1	10.897	10.897	0.000	162577395H	0.1000	0.1000	
2	12.232	12.232	0.000	250697568H	0.1000	0.1000	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
H - Response Measured by Height

Reagents:

GCAR1248CALL4_00029	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:26 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100004.D

Injection Date: 10-Aug-2022 08:12:22 Instrument ID: CHGC20

Lims ID: CCV

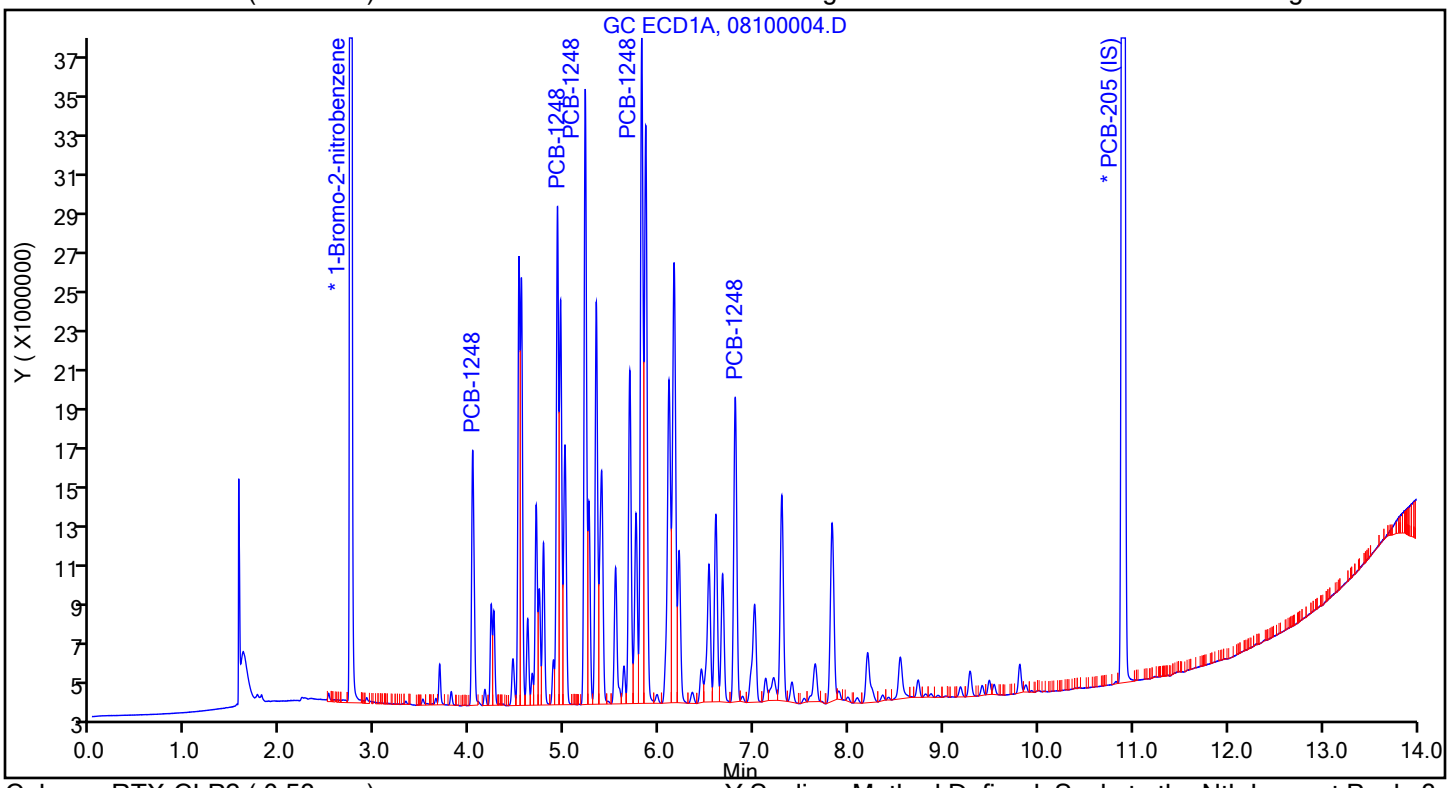
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

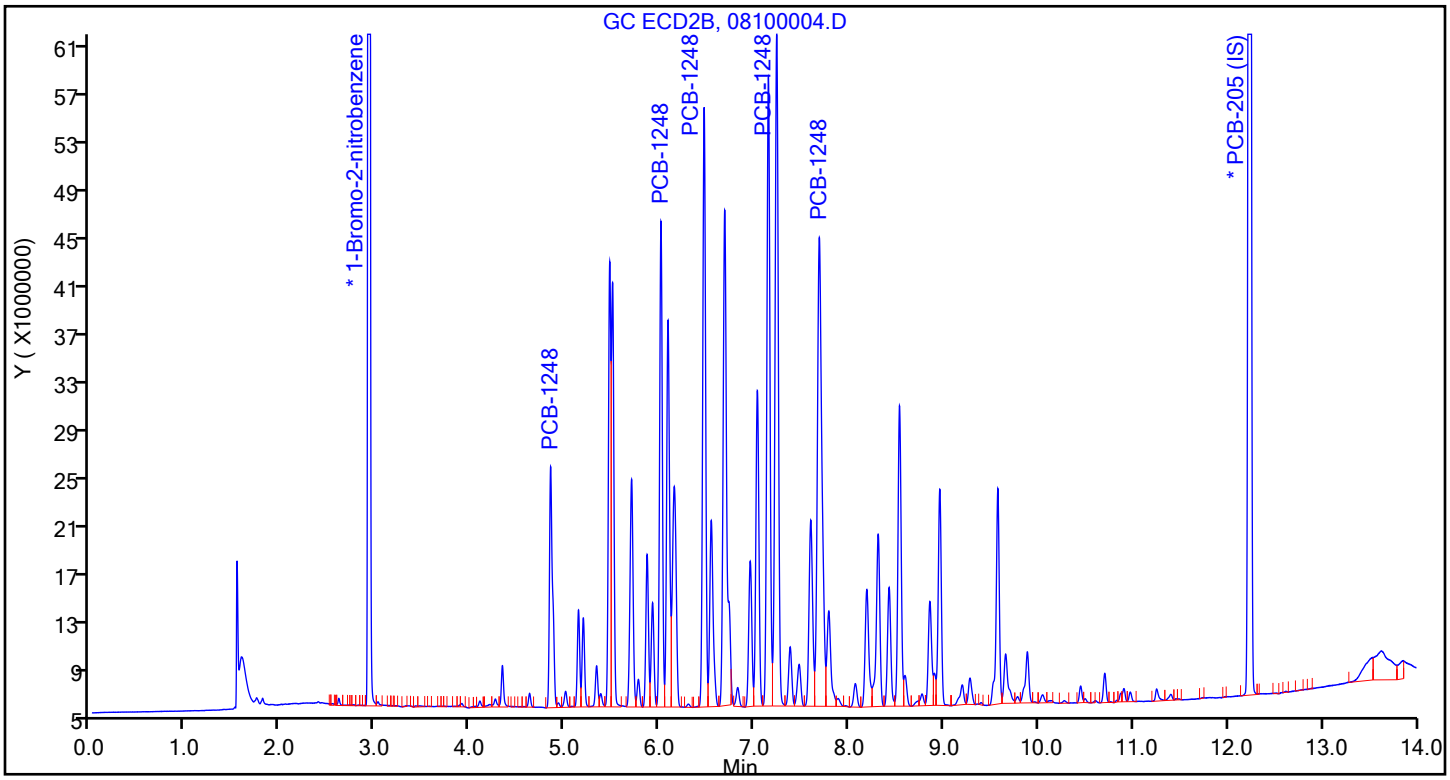
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/5 Calibration Date: 08/10/2022 08:31

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0151	0.0157		0.520	0.500	4.1	20.0
PCB-1016 Peak 2	Ave	0.0213	0.0238		0.559	0.500	11.8	20.0
PCB-1016 Peak 3	Ave	0.0199	0.0218		0.548	0.500	9.6	20.0
PCB-1016 Peak 4	Ave	0.0135	0.0154		0.572	0.500	14.5	20.0
PCB-1016 Peak 5	Ave	0.0156	0.0182		0.586	0.500	17.2	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0425		0.577	0.500	15.3	20.0
PCB-1260 Peak 2	Ave	0.0487	0.0559		0.573	0.500	14.7	20.0
PCB-1260 Peak 3	Ave	0.0349	0.0408		0.584	0.500	16.8	20.0
PCB-1260 Peak 4	Ave	0.0838	0.0956		0.570	0.500	14.1	20.0
PCB-1260 Peak 5	Ave	0.0450	0.0464		0.515	0.500	3.1	20.0
Tetrachloro-m-xylene (Surr)	Ave	0.9352	1.002		0.0268	0.0250	7.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.8072	0.8120		0.0251	0.0250	0.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/5 Calibration Date: 08/10/2022 08:31

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.68	3.63	3.73
PCB-1016 Peak 2	4.03	3.98	4.08
PCB-1016 Peak 3	4.70	4.65	4.75
PCB-1016 Peak 4	4.77	4.72	4.82
PCB-1016 Peak 5	5.21	5.16	5.26
PCB-1260 Peak 1	7.12	7.07	7.17
PCB-1260 Peak 2	7.64	7.59	7.69
PCB-1260 Peak 3	8.87	8.82	8.92
PCB-1260 Peak 4	9.41	9.36	9.46
PCB-1260 Peak 5	9.87	9.82	9.92
Tetrachloro-m-xylene (Surr)	3.36	3.31	3.41
DCB Decachlorobiphenyl (Surr)	11.49	11.42	11.56

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Aug-2022 08:31:18 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-005
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:07:23 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 08:48:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.737	2.737	0.000	213304202H	0.1000	0.1000	
2	2.930	2.930	0.000	427518687H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.355	3.355	0.000	53418152H	0.0250	0.0268	
2	3.799	3.799	0.000	103361059H	0.0250	0.0265	
						RPD = 1.22	
5 PCB-1016							
1	3.675	3.675	0.000	16713296H	0.5000	0.5204	
1	4.026	4.026	0.000	25363037H	0.5000	0.5590	
1	4.695	4.695	0.000	23255781H	0.5000	0.5482	
1	4.773	4.773	0.000	16458314H	0.5000	0.5723	
1	5.214	5.214	0.000	19463099H	0.5000	0.5858	
		Average of Peak Amounts =				0.5571	
2	4.339	4.339	0.000	28563321H	0.5000	0.5352	
2	4.849	4.849	0.000	38885735H	0.5000	0.5243	
2	5.706	5.706	0.000	37265615H	0.5000	0.5428	
2	6.470	6.470	0.000	31620868H	0.5000	0.5548	
2	7.231	7.231	0.000	23351132H	0.5000	0.5451	
		Average of Peak Amounts =				0.5404	
						RPD = 3.04	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							M
1	7.119	7.119	0.000	31663388H	0.5000	0.5767	
1	7.638	7.638	0.000	41656311H	0.5000	0.5733	
1	8.867	8.867	0.000	30426583H	0.5000	0.5841	
1	9.407	9.407	0.000	71277011H	0.5000	0.5703	
1	9.866	9.866	0.000	34604514H	0.5000	0.5155	
		Average of Peak Amounts =				0.5640	
2	8.901	8.901	0.000	52352857H	0.5000	0.6138	
2	9.275	9.275	0.000	65333074H	0.5000	0.6127	
2	10.495	10.495	0.000	47467995H	0.5000	0.6070	M
2	10.871	10.871	0.000	108851492H	0.5000	0.5979	M
2	11.399	11.399	0.000	58708381H	0.5000	0.5993	M
		Average of Peak Amounts =				0.6062	
						RPD = 7.21	
* 12 PCB-205 (IS)							M
1	10.897	10.897	0.000	149071514H	0.1000	0.1000	
2	12.232	12.232	0.000	231791470H	0.1000	0.1000	M
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.488	11.488	0.000	30261132H	0.0250	0.0251	
2	12.947	12.947	0.000	39413868H	0.0250	0.0233	
						RPD = 7.42	

QC Flag Legend

Processing Flags
- s - Failed ISTD Recovery Test
- H - Response Measured by Height

Review Flags
- M - Manually Integrated

Reagents:

GCAR1660CALL4_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:23 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D

Injection Date: 10-Aug-2022 08:31:18 Instrument ID: CHGC20

Lims ID: CCVIS

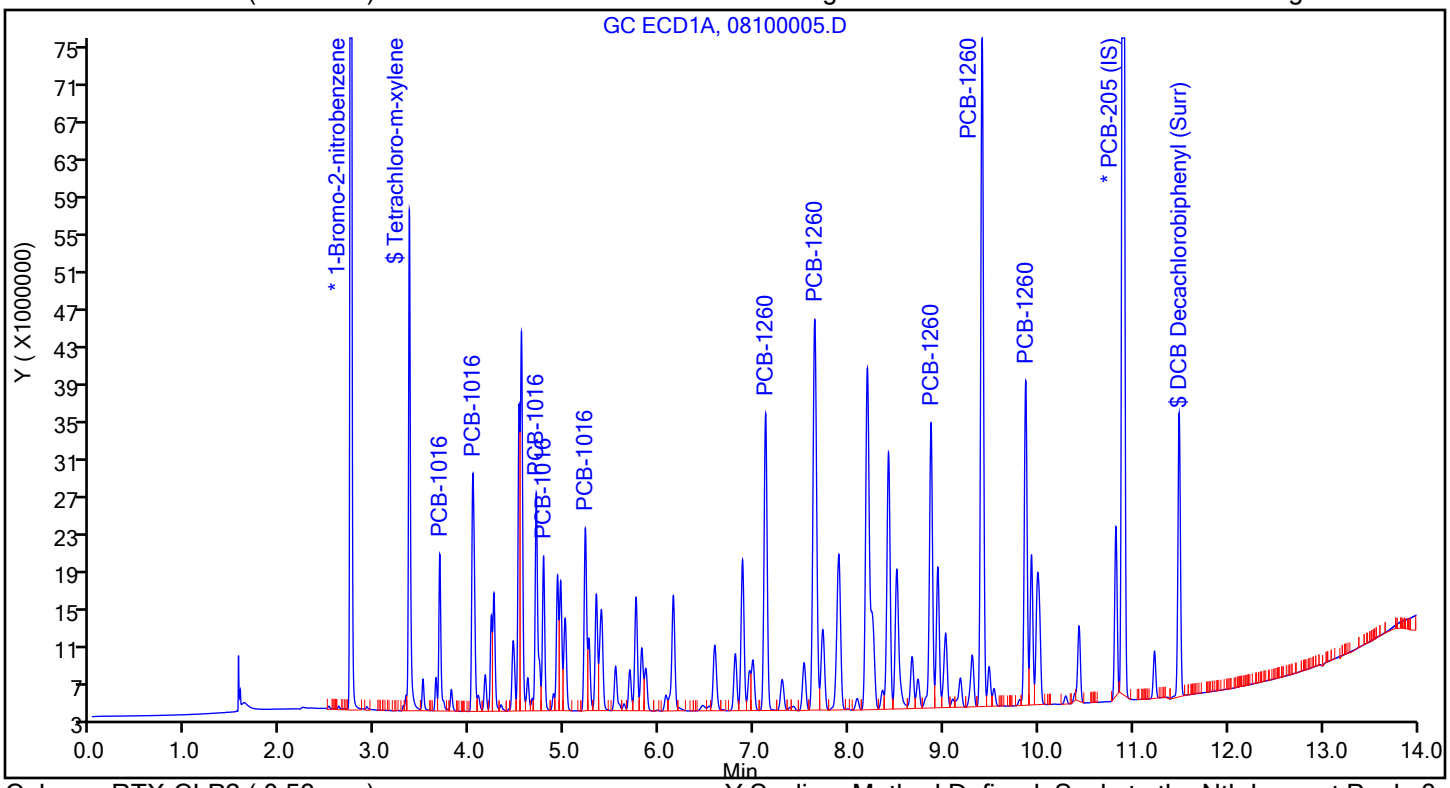
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

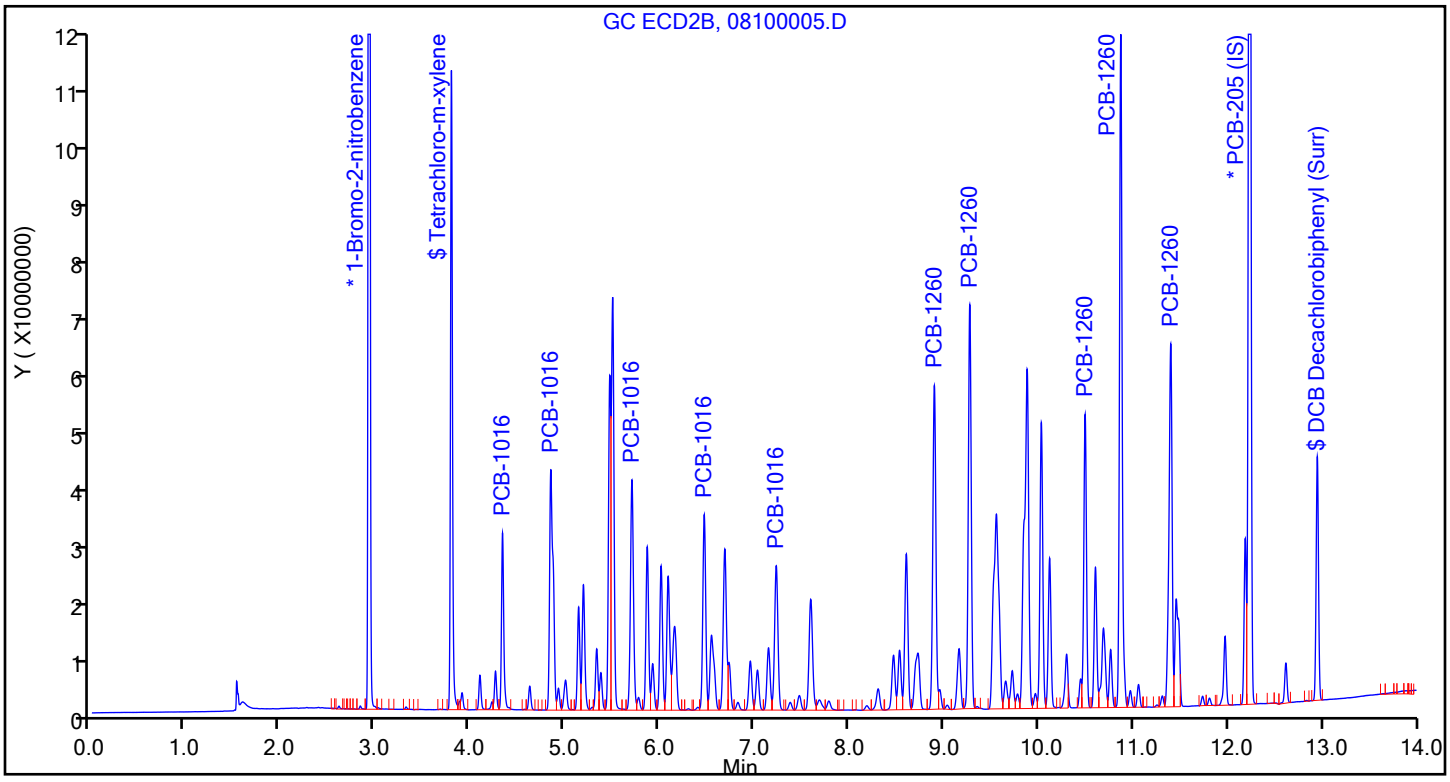
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/5 Calibration Date: 08/10/2022 08:31

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0125	0.0134		0.535	0.500	7.0	20.0
PCB-1016 Peak 2	Ave	0.0173	0.0182		0.524	0.500	4.9	20.0
PCB-1016 Peak 3	Ave	0.0161	0.0174		0.543	0.500	8.6	20.0
PCB-1016 Peak 4	Ave	0.0133	0.0148		0.555	0.500	11.0	20.0
PCB-1016 Peak 5	Ave	0.0100	0.0109		0.545	0.500	9.0	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0452		0.614	0.500	22.8*	20.0
PCB-1260 Peak 2	Ave	0.0460	0.0564		0.613	0.500	22.5*	20.0
PCB-1260 Peak 3	Ave	0.0337	0.0410		0.607	0.500	21.4*	20.0
PCB-1260 Peak 4	Ave	0.0785	0.0939		0.598	0.500	19.6	20.0
PCB-1260 Peak 5	Ave	0.0423	0.0507		0.599	0.500	19.9	20.0
Tetrachloro-m-xylene (Surr)	Ave	0.9139	0.9671		0.0265	0.0250	5.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.7283	0.6802		0.0233	0.0250	-6.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/5 Calibration Date: 08/10/2022 08:31

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.34	4.29	4.39
PCB-1016 Peak 2	4.85	4.80	4.90
PCB-1016 Peak 3	5.71	5.66	5.76
PCB-1016 Peak 4	6.47	6.42	6.52
PCB-1016 Peak 5	7.23	7.18	7.28
PCB-1260 Peak 1	8.90	8.85	8.95
PCB-1260 Peak 2	9.28	9.23	9.33
PCB-1260 Peak 3	10.50	10.45	10.55
PCB-1260 Peak 4	10.87	10.82	10.92
PCB-1260 Peak 5	11.40	11.35	11.45
Tetrachloro-m-xylene (Surr)	3.80	3.75	3.85
DCB Decachlorobiphenyl (Surr)	12.95	12.88	13.02

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Aug-2022 08:31:18 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-005
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:07:23 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 08:48:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.737	2.737	0.000	213304202H	0.1000	0.1000	
2	2.930	2.930	0.000	427518687H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.355	3.355	0.000	53418152H	0.0250	0.0268	
2	3.799	3.799	0.000	103361059H	0.0250	0.0265	
						RPD = 1.22	
5 PCB-1016							
1	3.675	3.675	0.000	16713296H	0.5000	0.5204	
1	4.026	4.026	0.000	25363037H	0.5000	0.5590	
1	4.695	4.695	0.000	23255781H	0.5000	0.5482	
1	4.773	4.773	0.000	16458314H	0.5000	0.5723	
1	5.214	5.214	0.000	19463099H	0.5000	0.5858	
		Average of Peak Amounts =				0.5571	
2	4.339	4.339	0.000	28563321H	0.5000	0.5352	
2	4.849	4.849	0.000	38885735H	0.5000	0.5243	
2	5.706	5.706	0.000	37265615H	0.5000	0.5428	
2	6.470	6.470	0.000	31620868H	0.5000	0.5548	
2	7.231	7.231	0.000	23351132H	0.5000	0.5451	
		Average of Peak Amounts =				0.5404	
						RPD = 3.04	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							M
1	7.119	7.119	0.000	31663388H	0.5000	0.5767	
1	7.638	7.638	0.000	41656311H	0.5000	0.5733	
1	8.867	8.867	0.000	30426583H	0.5000	0.5841	
1	9.407	9.407	0.000	71277011H	0.5000	0.5703	
1	9.866	9.866	0.000	34604514H	0.5000	0.5155	
		Average of Peak Amounts =				0.5640	
2	8.901	8.901	0.000	52352857H	0.5000	0.6138	
2	9.275	9.275	0.000	65333074H	0.5000	0.6127	
2	10.495	10.495	0.000	47467995H	0.5000	0.6070	M
2	10.871	10.871	0.000	108851492H	0.5000	0.5979	M
2	11.399	11.399	0.000	58708381H	0.5000	0.5993	M
		Average of Peak Amounts =				0.6062	
						RPD = 7.21	
* 12 PCB-205 (IS)							M
1	10.897	10.897	0.000	149071514H	0.1000	0.1000	
2	12.232	12.232	0.000	231791470H	0.1000	0.1000	M
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.488	11.488	0.000	30261132H	0.0250	0.0251	
2	12.947	12.947	0.000	39413868H	0.0250	0.0233	
						RPD = 7.42	

QC Flag Legend

Processing Flags
- s - Failed ISTD Recovery Test
- H - Response Measured by Height

Review Flags
- M - Manually Integrated

Reagents:

GCAR1660CALL4_00026	Amount Added: 1.00	Units: mL	
PCBINT_00021	Amount Added: 0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:24 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D

Injection Date: 10-Aug-2022 08:31:18 Instrument ID: CHGC20

Lims ID: CCVIS

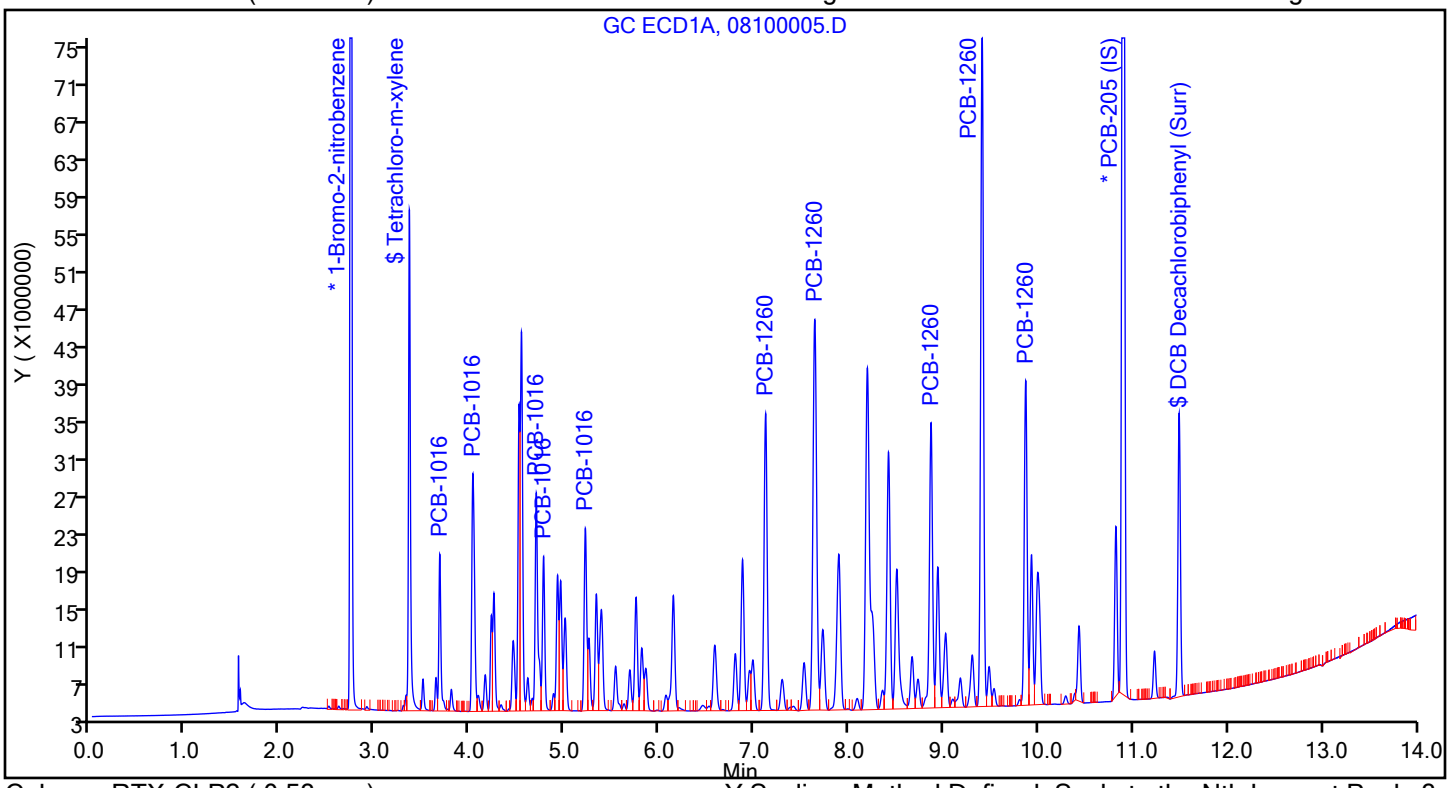
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

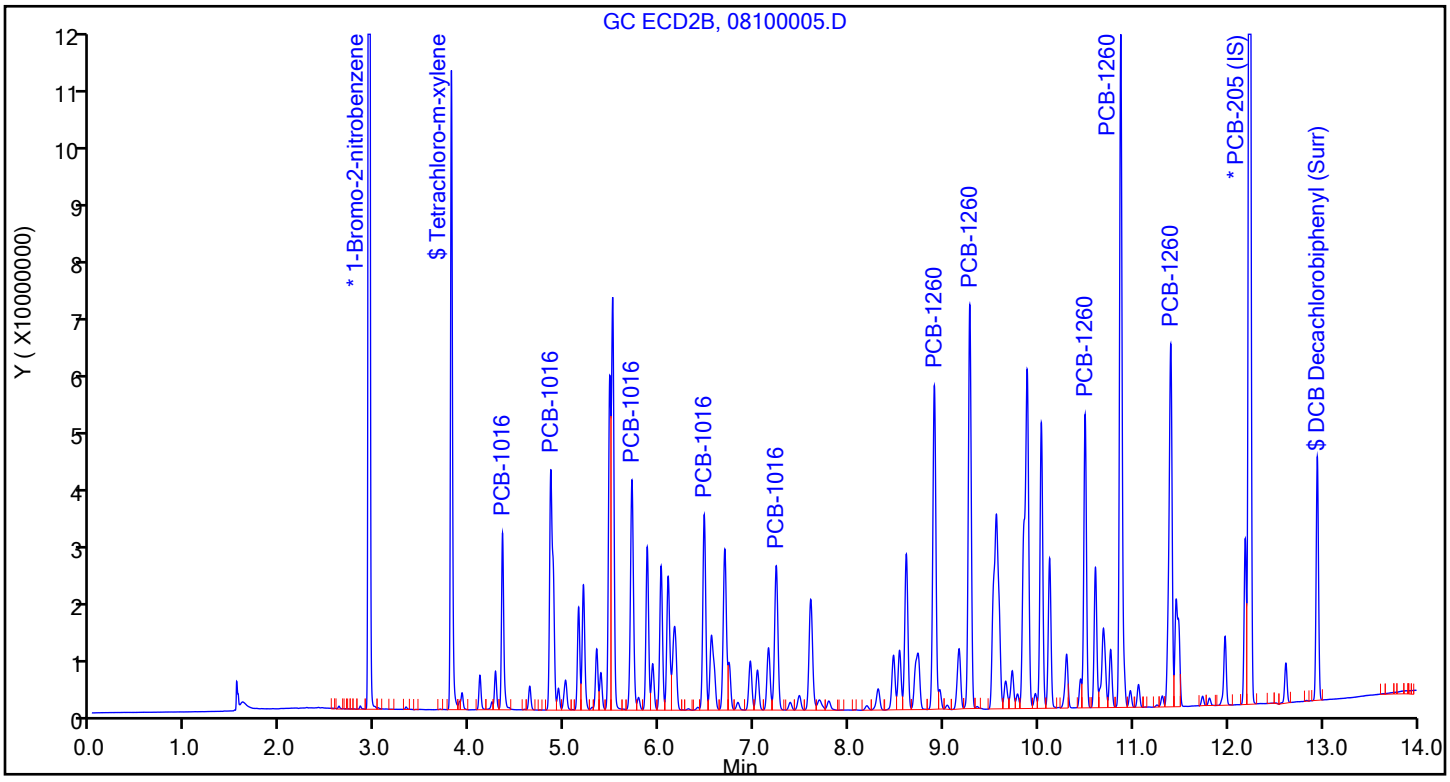
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

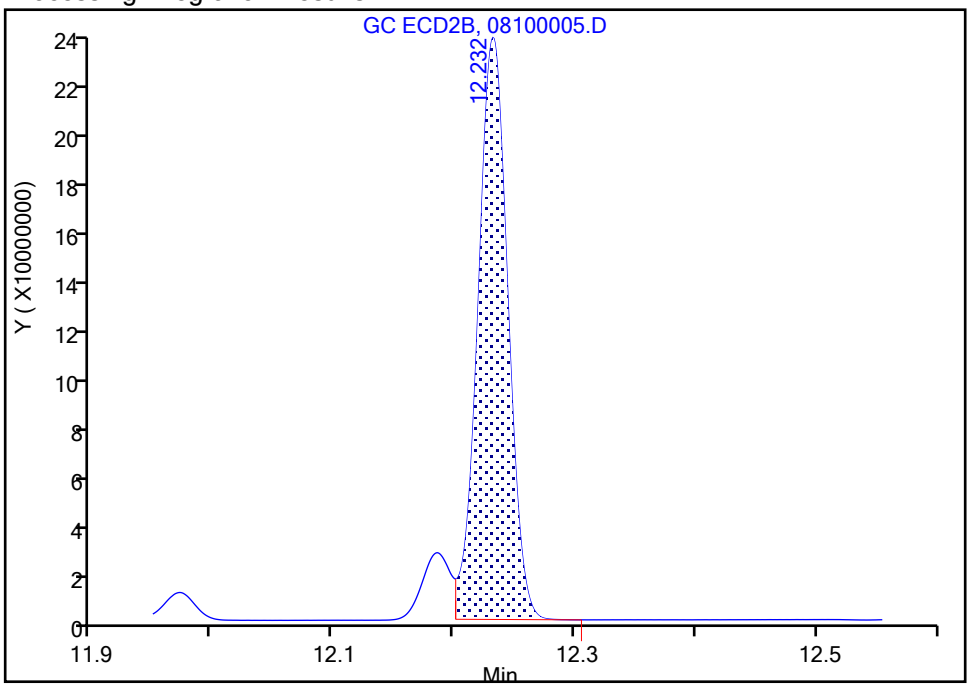
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D				
Injection Date:	10-Aug-2022 08:31:18	Instrument ID:	CHGC20		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	402331	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP2 (0.53 mm)	Detector	GC ECD2B		

* 12 PCB-205 (IS), CAS: 74472-53-0

Signal: 2

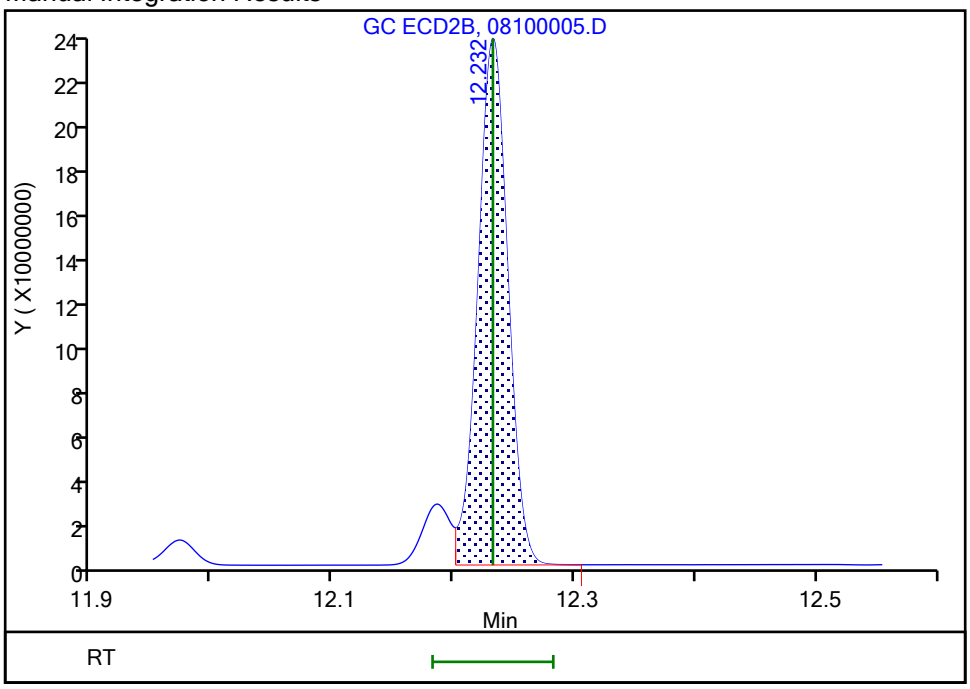
Processing Integration Results

RT: 12.23
Height: 231534751
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 12.23
Height: 231791470
Amount: 0.100000
Amount Units: ng



Reviewer: Q9YL, 10-Aug-2022 08:48:14

Audit Action: Assigned New Baseline Audit Reason: Instrument noise

Report Date: 10-Aug-2022 14:07:24 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D

Injection Date: 10-Aug-2022 08:31:18 Instrument ID: CHGC20

Lims ID: CCVIS

Client ID:

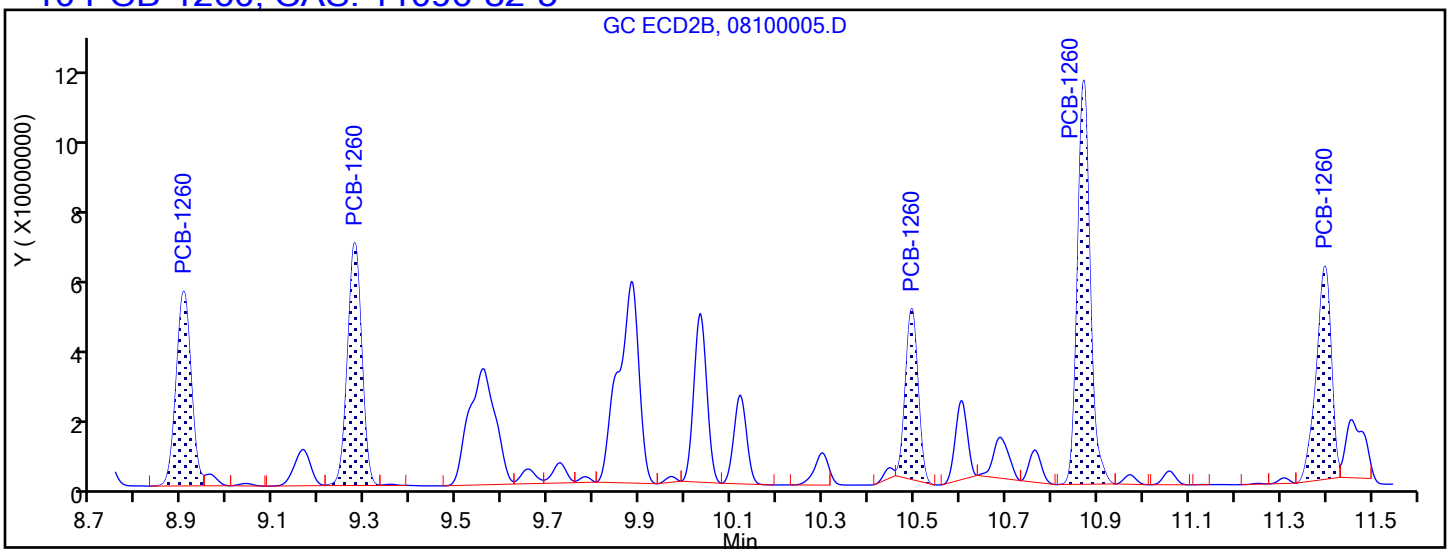
Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

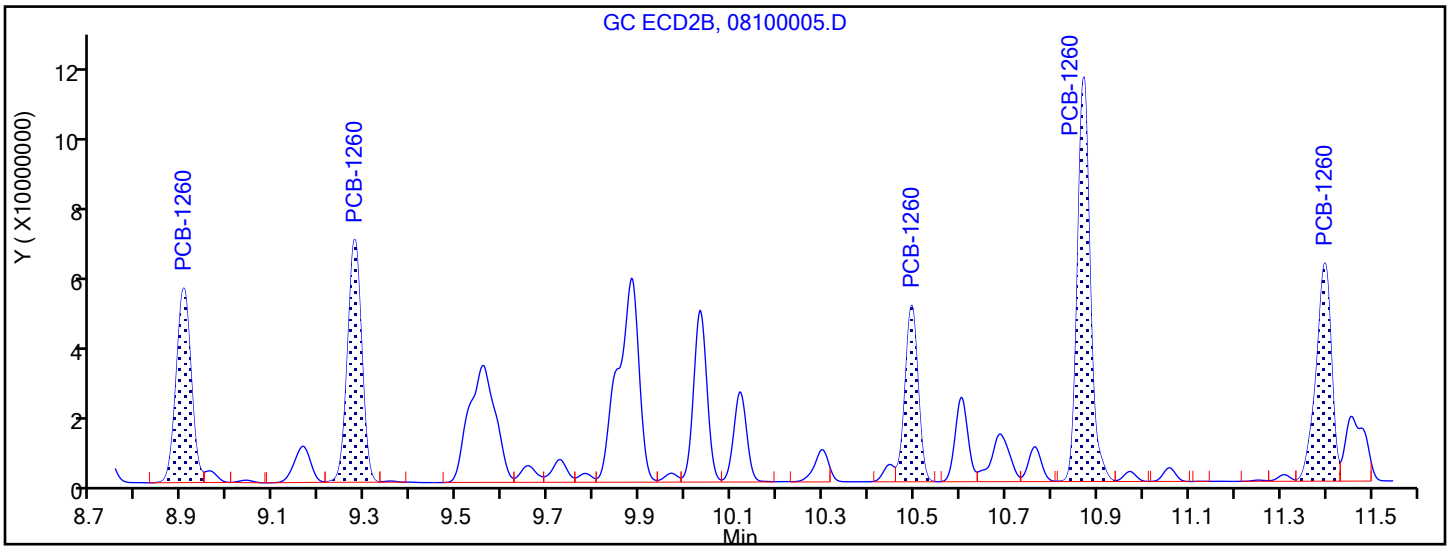
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

10 PCB-1260, CAS: 11096-82-5



Processing Integration Results

8.901	Response = 52352857
9.275	Response = 65333074
10.495	Response = 45982777
10.871	Response = 108697149
11.399	Response = 57327399



Manual Integration Results

8.901	Response = 52352857	
9.275	Response = 65333074	
10.495	Response = 47467995	M
10.871	Response = 108851492	M
11.399	Response = 58708381	M

Reviewer: Q9YL, 10-Aug-2022 08:48:04

Audit Action: Assigned New Baseline Audit Reason: Instrument noise

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

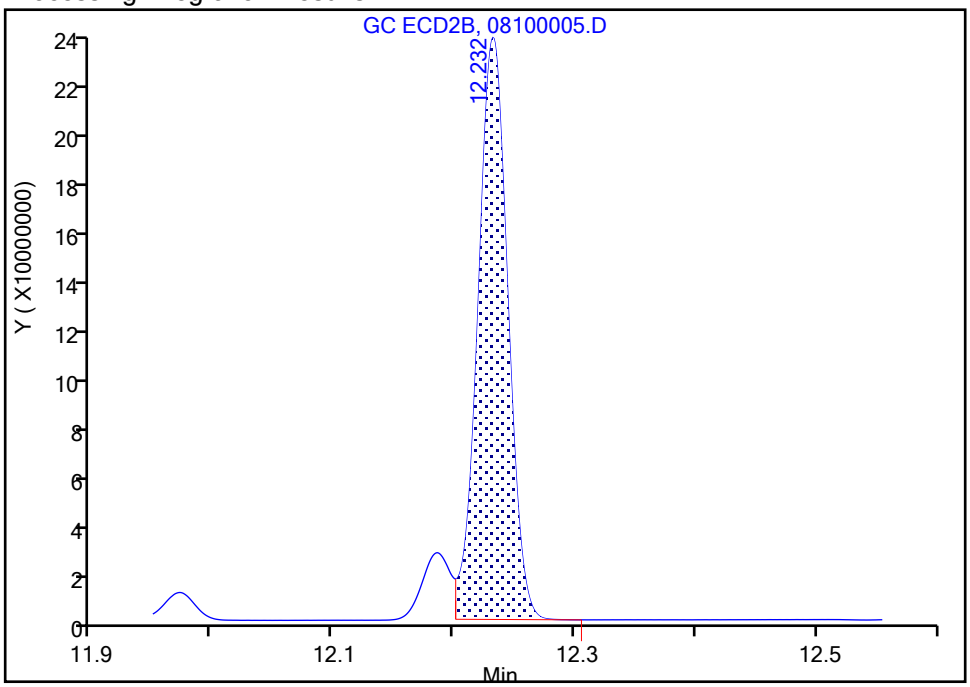
Data File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100005.D				
Injection Date:	10-Aug-2022 08:31:18	Instrument ID:	CHGC20		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	402331	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP2 (0.53 mm)	Detector	GC ECD2B		

* 12 PCB-205 (IS), CAS: 74472-53-0

Signal: 2

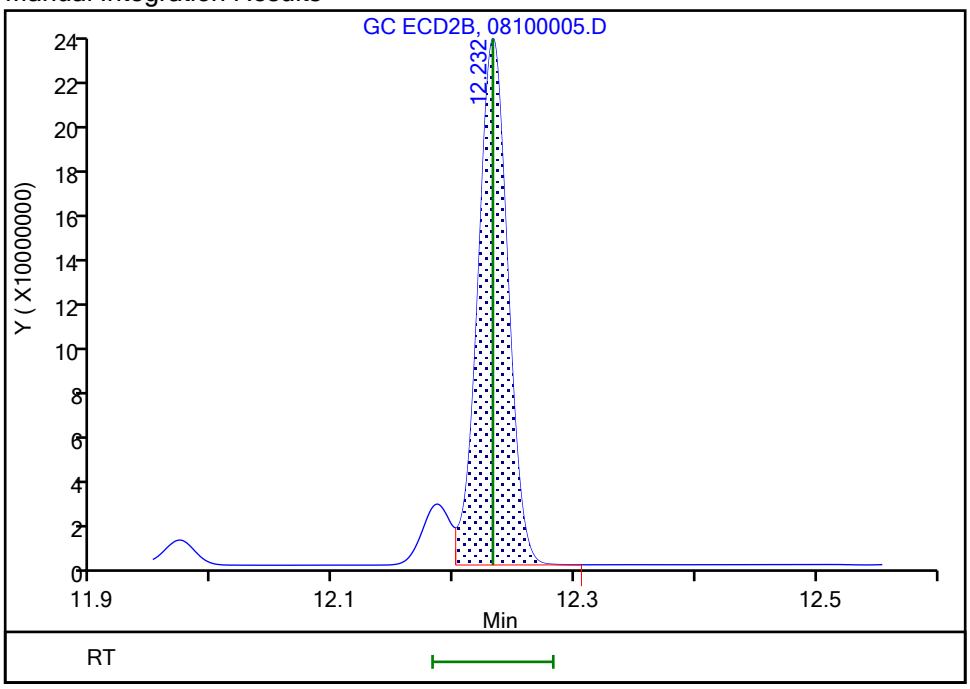
Processing Integration Results

RT: 12.23
Height: 231534751
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 12.23
Height: 231791470
Amount: 0.100000
Amount Units: ng



Reviewer: Q9YL, 10-Aug-2022 08:48:14

Audit Action: Assigned New Baseline Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/27 Calibration Date: 08/10/2022 15:23

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0151	0.0144		0.477	0.500	-4.6	20.0
PCB-1016 Peak 2	Ave	0.0213	0.0210		0.493	0.500	-1.4	20.0
PCB-1016 Peak 3	Ave	0.0199	0.0189		0.475	0.500	-5.1	20.0
PCB-1016 Peak 4	Ave	0.0135	0.0133		0.495	0.500	-1.0	20.0
PCB-1016 Peak 5	Ave	0.0156	0.0152		0.487	0.500	-2.7	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0422		0.574	0.500	14.7	20.0
PCB-1260 Peak 2	Ave	0.0487	0.0565		0.579	0.500	15.9	20.0
PCB-1260 Peak 3	Ave	0.0349	0.0396		0.566	0.500	13.2	20.0
PCB-1260 Peak 4	Ave	0.0838	0.0940		0.561	0.500	12.2	20.0
PCB-1260 Peak 5	Ave	0.0450	0.0482		0.535	0.500	7.0	20.0
Tetrachloro-m-xylene (Surr)	Ave	0.9352	0.9508		0.0254	0.0250	1.7	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.8072	0.7555		0.0234	0.0250	-6.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/27 Calibration Date: 08/10/2022 15:23

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100027.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.68	3.63	3.73
PCB-1016 Peak 2	4.03	3.98	4.08
PCB-1016 Peak 3	4.70	4.65	4.75
PCB-1016 Peak 4	4.77	4.72	4.82
PCB-1016 Peak 5	5.21	5.16	5.26
PCB-1260 Peak 1	7.12	7.07	7.17
PCB-1260 Peak 2	7.64	7.59	7.69
PCB-1260 Peak 3	8.87	8.82	8.92
PCB-1260 Peak 4	9.41	9.36	9.46
PCB-1260 Peak 5	9.87	9.82	9.92
Tetrachloro-m-xylene (Surr)	3.35	3.30	3.40
DCB Decachlorobiphenyl (Surr)	11.49	11.42	11.56

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100027.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Aug-2022 15:23:42 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-027
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 11-Aug-2022 09:15:21 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1685

First Level Reviewer: Q9YL Date: 11-Aug-2022 06:22:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.737	2.737	0.000	280677682H	0.1000	0.1000	
2	2.928	2.928	0.000	568527103H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.354	3.354	0.000	66715643H	0.0250	0.0254	
2	3.798	3.798	0.000	127350812H	0.0250	0.0245	
						RPD = 3.63	
5 PCB-1016							
1	3.676	3.676	0.000	20165296H	0.5000	0.4772	
1	4.025	4.025	0.000	29441957H	0.5000	0.4931	
1	4.696	4.696	0.000	26489467H	0.5000	0.4745	
1	4.773	4.773	0.000	18730585H	0.5000	0.4950	
1	5.213	5.213	0.000	21277123H	0.5000	0.4867	
		Average of Peak Amounts =				0.4853	
2	4.337	4.337	0.000	33699493H	0.5000	0.4748	
2	4.847	4.847	0.000	44821396H	0.5000	0.4544	
2	5.704	5.704	0.000	42614634H	0.5000	0.4668	
2	6.468	6.468	0.000	35424039H	0.5000	0.4674	
2	7.230	7.230	0.000	25691017H	0.5000	0.4510	
		Average of Peak Amounts =				0.4629	
						RPD = 4.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.118	7.118	0.000	32612153H	0.5000	0.5736	
1	7.638	7.638	0.000	43586536H	0.5000	0.5793	
1	8.866	8.866	0.000	30536797H	0.5000	0.5661	
1	9.407	9.407	0.000	72585795H	0.5000	0.5608	
1	9.866	9.866	0.000	37199044H	0.5000	0.5351	
		Average of Peak Amounts =				0.5630	
2	8.900	8.900	0.000	57115682H	0.5000	0.6218	
2	9.275	9.275	0.000	70651371H	0.5000	0.6153	
2	10.494	10.494	0.000	50700710H	0.5000	0.6021	
2	10.871	10.871	0.000	114292231H	0.5000	0.5829	
2	11.398	11.398	0.000	61238798H	0.5000	0.5805	
		Average of Peak Amounts =				0.6005	
						RPD = 6.46	
* 12 PCB-205 (IS)							s
1	10.898	10.898	0.000	154379121H	0.1000	0.1000	
2	12.233	12.233	0.000	249617162H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.487	11.487	0.000	29157337H	0.0250	0.0234	
2	12.947	12.947	0.000	41477470H	0.0250	0.0228	
						RPD = 2.51	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Reagents:

GCAR1660CALL4_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 11-Aug-2022 09:15:21 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100027.D

Injection Date: 10-Aug-2022 15:23:42 Instrument ID: CHGC20

Lims ID: CCVIS

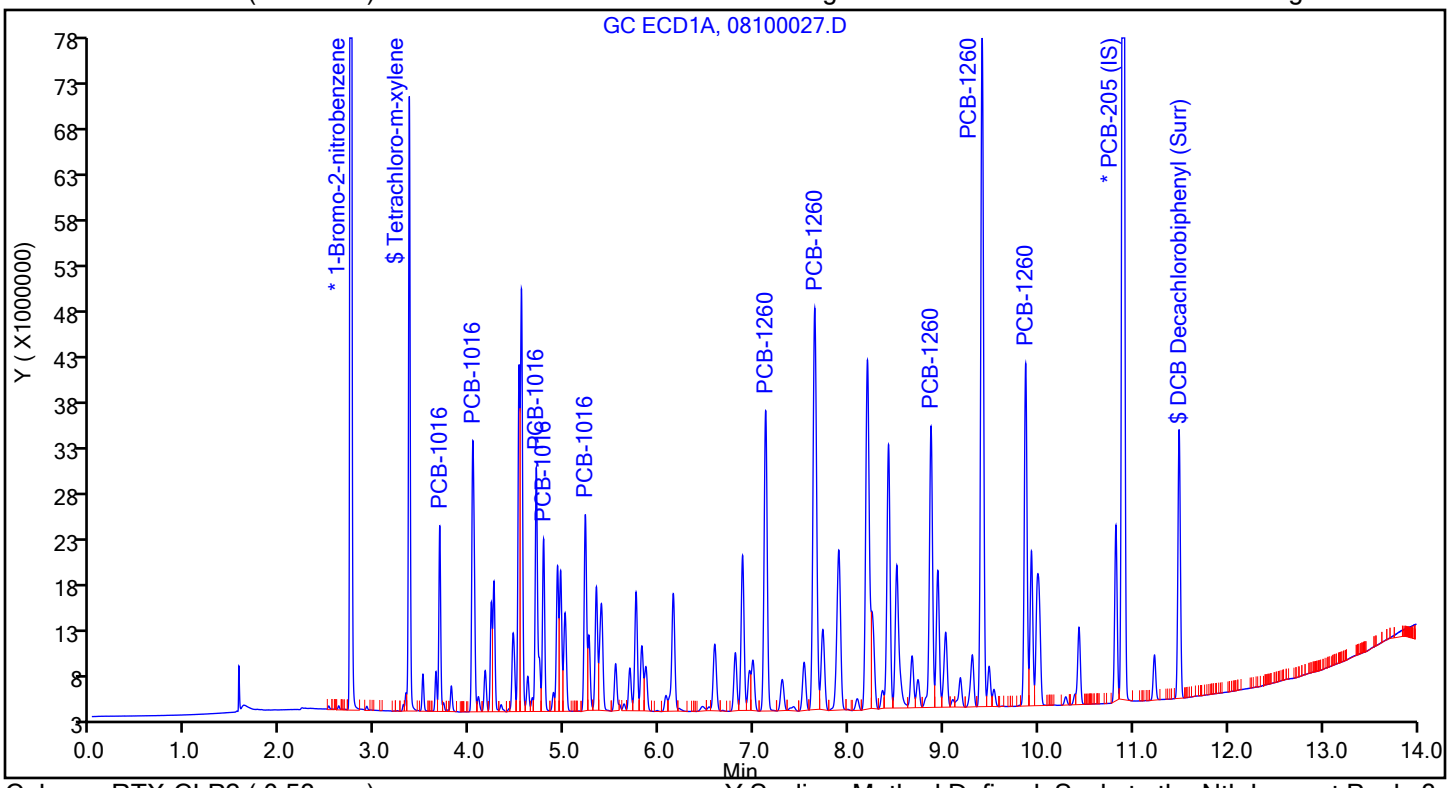
Client ID:

Operator ID: 402331 ALS Bottle#: 27 Worklist Smp#: 27

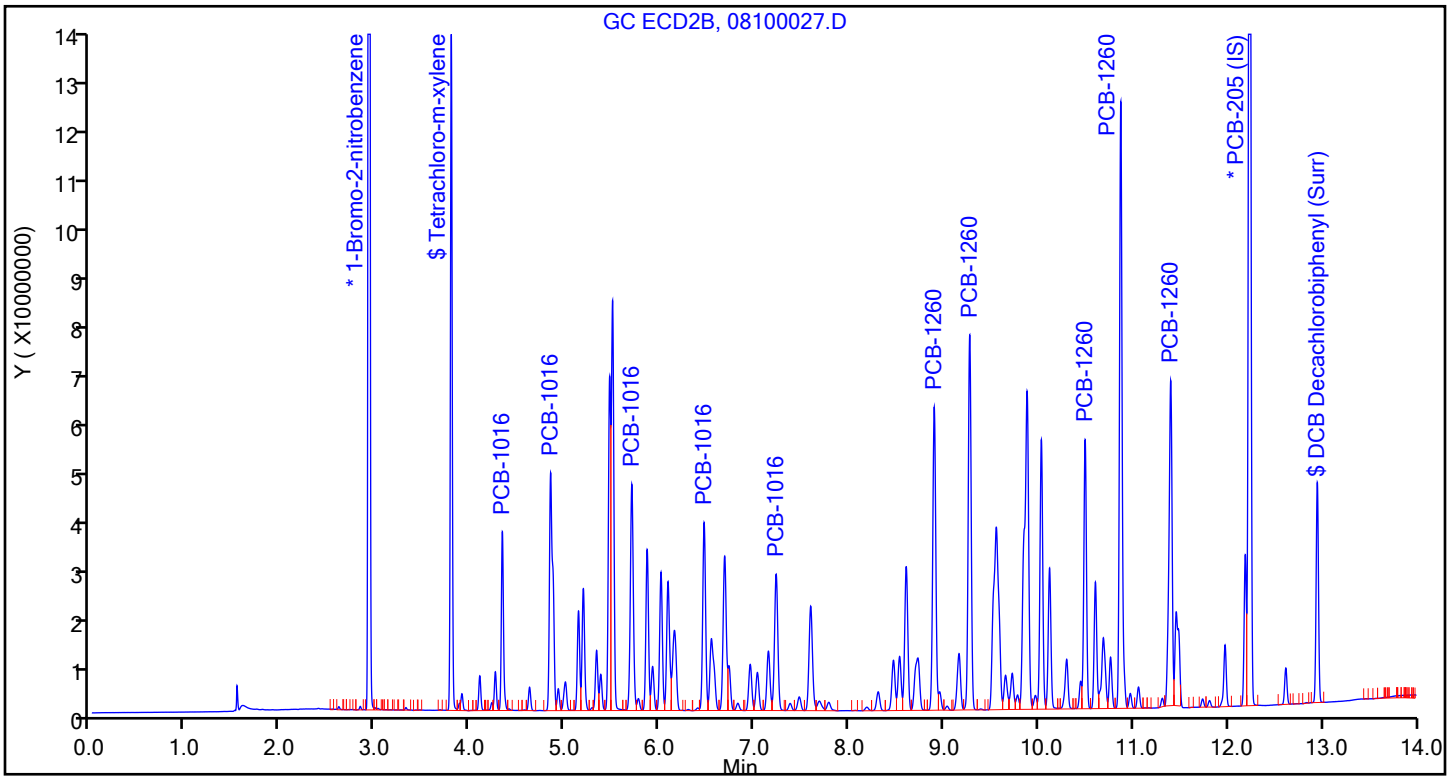
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/27 Calibration Date: 08/10/2022 15:23

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0125	0.0119		0.475	0.500	-5.0	20.0
PCB-1016 Peak 2	Ave	0.0173	0.0158		0.454	0.500	-9.1	20.0
PCB-1016 Peak 3	Ave	0.0161	0.0150		0.467	0.500	-6.6	20.0
PCB-1016 Peak 4	Ave	0.0133	0.0125		0.467	0.500	-6.5	20.0
PCB-1016 Peak 5	Ave	0.0100	0.0090		0.451	0.500	-9.8	20.0
PCB-1260 Peak 1	Ave	0.0368	0.0458		0.622	0.500	24.4*	20.0
PCB-1260 Peak 2	Ave	0.0460	0.0566		0.615	0.500	23.1*	20.0
PCB-1260 Peak 3	Ave	0.0337	0.0406		0.602	0.500	20.4*	20.0
PCB-1260 Peak 4	Ave	0.0785	0.0916		0.583	0.500	16.6	20.0
PCB-1260 Peak 5	Ave	0.0423	0.0491		0.580	0.500	16.1	20.0
Tetrachloro-m-xylene (Surr)	Ave	0.9139	0.8960		0.0245	0.0250	-2.0	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.7283	0.6647		0.0228	0.0250	-8.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVIS 180-408111/27 Calibration Date: 08/10/2022 15:23

Instrument ID: CHGC20 Calib Start Date: 06/16/2022 09:08

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 06/16/2022 11:03

Lab File ID: 08100027.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.34	4.29	4.39
PCB-1016 Peak 2	4.85	4.80	4.90
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	6.47	6.42	6.52
PCB-1016 Peak 5	7.23	7.18	7.28
PCB-1260 Peak 1	8.90	8.85	8.95
PCB-1260 Peak 2	9.28	9.23	9.33
PCB-1260 Peak 3	10.49	10.44	10.54
PCB-1260 Peak 4	10.87	10.82	10.92
PCB-1260 Peak 5	11.40	11.35	11.45
Tetrachloro-m-xylene (Surr)	3.80	3.75	3.85
DCB Decachlorobiphenyl (Surr)	12.95	12.88	13.02

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100027.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Aug-2022 15:23:42 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-027
Operator ID: 402331 Instrument ID: CHGC20
Sublist: chrom-IS PCB_CHGC20*sub9

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 11-Aug-2022 09:15:21 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1685

First Level Reviewer: Q9YL Date: 11-Aug-2022 06:22:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	2.737	2.737	0.000	280677682H	0.1000	0.1000	
2	2.928	2.928	0.000	568527103H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.354	3.354	0.000	66715643H	0.0250	0.0254	
2	3.798	3.798	0.000	127350812H	0.0250	0.0245	
						RPD = 3.63	
5 PCB-1016							
1	3.676	3.676	0.000	20165296H	0.5000	0.4772	
1	4.025	4.025	0.000	29441957H	0.5000	0.4931	
1	4.696	4.696	0.000	26489467H	0.5000	0.4745	
1	4.773	4.773	0.000	18730585H	0.5000	0.4950	
1	5.213	5.213	0.000	21277123H	0.5000	0.4867	
		Average of Peak Amounts =				0.4853	
2	4.337	4.337	0.000	33699493H	0.5000	0.4748	
2	4.847	4.847	0.000	44821396H	0.5000	0.4544	
2	5.704	5.704	0.000	42614634H	0.5000	0.4668	
2	6.468	6.468	0.000	35424039H	0.5000	0.4674	
2	7.230	7.230	0.000	25691017H	0.5000	0.4510	
		Average of Peak Amounts =				0.4629	
						RPD = 4.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.118	7.118	0.000	32612153H	0.5000	0.5736	
1	7.638	7.638	0.000	43586536H	0.5000	0.5793	
1	8.866	8.866	0.000	30536797H	0.5000	0.5661	
1	9.407	9.407	0.000	72585795H	0.5000	0.5608	
1	9.866	9.866	0.000	37199044H	0.5000	0.5351	
		Average of Peak Amounts =				0.5630	
2	8.900	8.900	0.000	57115682H	0.5000	0.6218	
2	9.275	9.275	0.000	70651371H	0.5000	0.6153	
2	10.494	10.494	0.000	50700710H	0.5000	0.6021	
2	10.871	10.871	0.000	114292231H	0.5000	0.5829	
2	11.398	11.398	0.000	61238798H	0.5000	0.5805	
		Average of Peak Amounts =				0.6005	
						RPD = 6.46	
* 12 PCB-205 (IS)							s
1	10.898	10.898	0.000	154379121H	0.1000	0.1000	
2	12.233	12.233	0.000	249617162H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.487	11.487	0.000	29157337H	0.0250	0.0234	
2	12.947	12.947	0.000	41477470H	0.0250	0.0228	
						RPD = 2.51	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

H - Response Measured by Height

Reagents:

GCAR1660CALL4_00026	Amount Added:	1.00	Units: mL	
PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 11-Aug-2022 09:15:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100027.D

Injection Date: 10-Aug-2022 15:23:42 Instrument ID: CHGC20

Lims ID: CCVIS

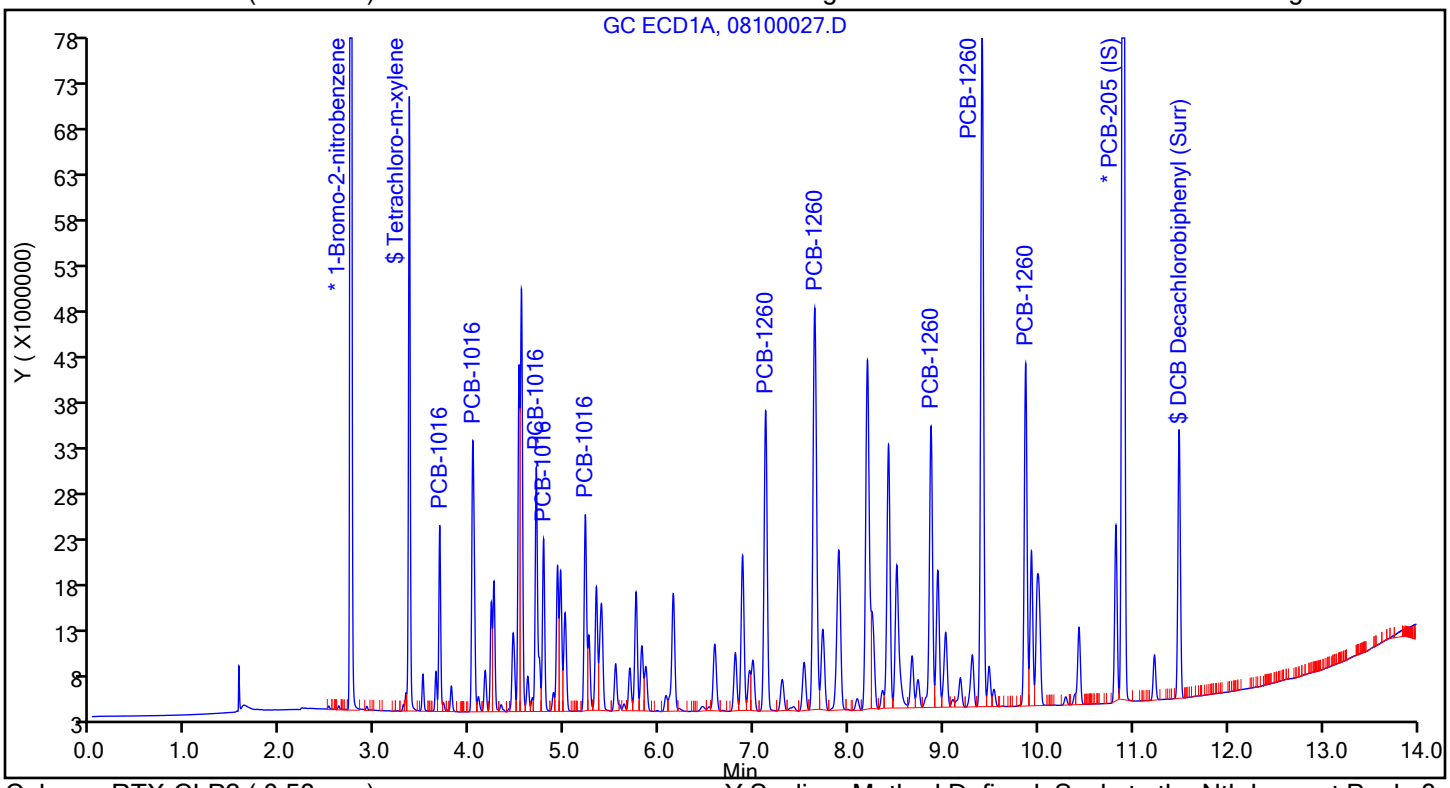
Client ID:

Operator ID: 402331 ALS Bottle#: 27 Worklist Smp#: 27

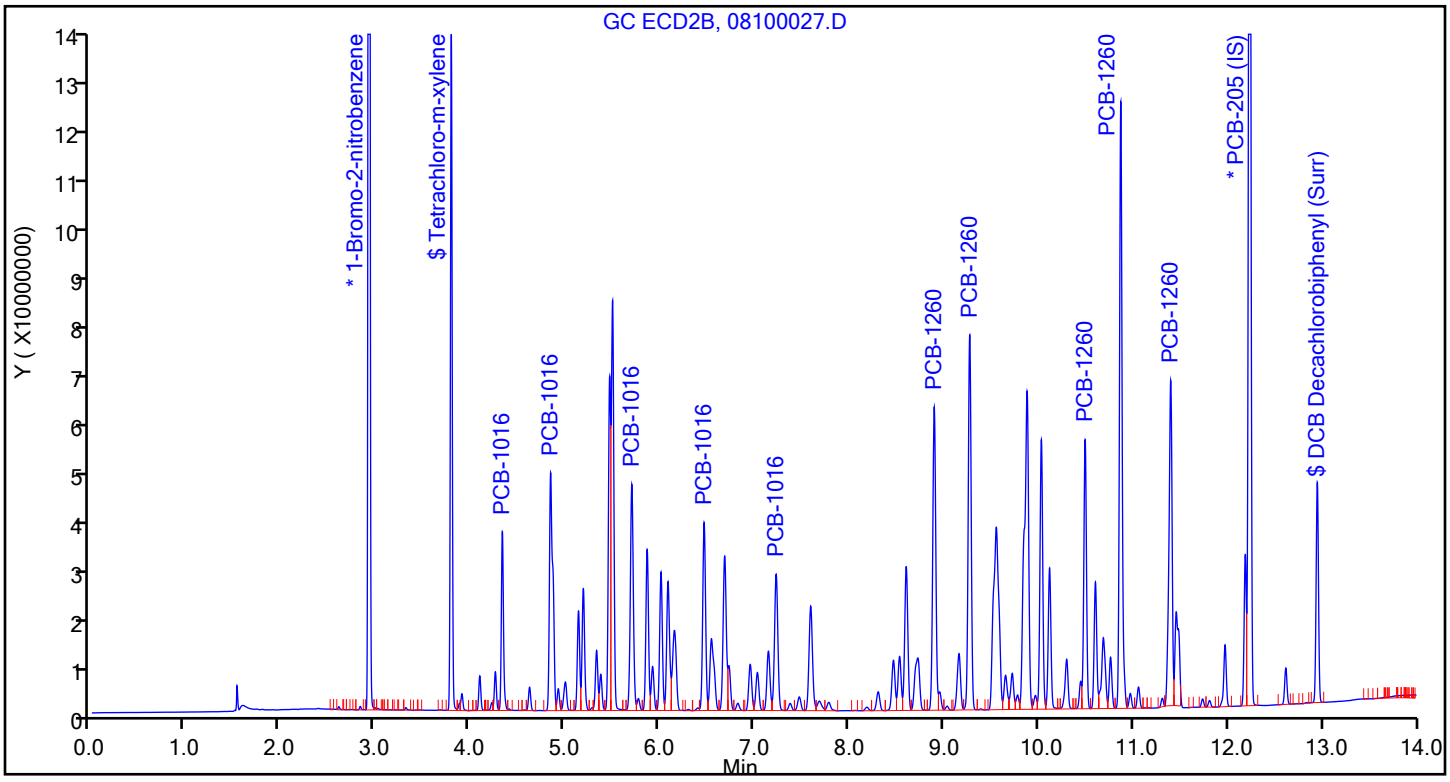
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-407891/1-A

Matrix: Solid | Lab File ID: 08100010.D

Analysis Method: EPA 8082A | Date Collected:

Extraction Method: 3541 | Date Extracted: 08/08/2022 13:32

Sample wt/vol: 30.0(g) | Date Analyzed: 08/10/2022 10:05

Con. Extract Vol.: 20.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		8.3	2.7
11104-28-2	PCB-1221	ND		8.3	3.0
11141-16-5	PCB-1232	ND		8.3	2.0
53469-21-9	PCB-1242	ND		8.3	1.2
12672-29-6	PCB-1248	ND		8.3	2.0
11097-69-1	PCB-1254	ND		8.3	2.5
11096-82-5	PCB-1260	ND		8.3	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	106		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	105		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D
Lims ID: MB 180-407891/1-A
Client ID:
Sample Type: MB
Inject. Date: 10-Aug-2022 10:05:18 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-010
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.735	2.736	0.000	273608632H	0.1000	0.1000	
2	2.928	2.928	0.000	540885575H	0.1000	0.1000	
3 PCB-1221							U
1		2.900				ND	
1		3.493					
1		3.671					
2		3.314					
2		4.095					
2		4.333					
$ 2 Tetrachloro-m-xylene							
1	3.354	3.355	-0.001	54455958H	0.0200	0.0213	
2	3.797	3.799	-0.002	100825764H	0.0200	0.0204	
						RPD = 4.25	
4 PCB-1232							U
1		3.496				ND	
1		3.673					
1		4.024					
1		4.693					
1		5.211					
2		4.098					
2		4.336					
2		4.846					
2		6.467					
2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6	PCB-1242						U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5	PCB-1016						U
1		3.675				ND	
1		4.026					
1		4.695					
1		4.773					
1		5.214					
2		4.339					
2		4.849					
2		5.706					
2		6.470					
2		7.231					
7	PCB-1248						
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8	PCB-1254						U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							U
1		7.119				ND	
1		7.638					
1		8.867					
1		9.407					
1		9.866					
2		8.901					
2		9.275					
2		10.495					
2		10.871					
2		11.399					
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.898	10.897	0.001	156181334H	0.1000	0.1000	
2	12.233	12.232	0.001	250313771H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.490	11.488	0.002	26481728H	0.0200	0.0210	
2	12.947	12.947	0.000	33912761H	0.0200	0.0186	
						RPD = 12.13	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:13 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D

Injection Date: 10-Aug-2022 10:05:18 Instrument ID: CHGC20

Lims ID: MB 180-407891/1-A

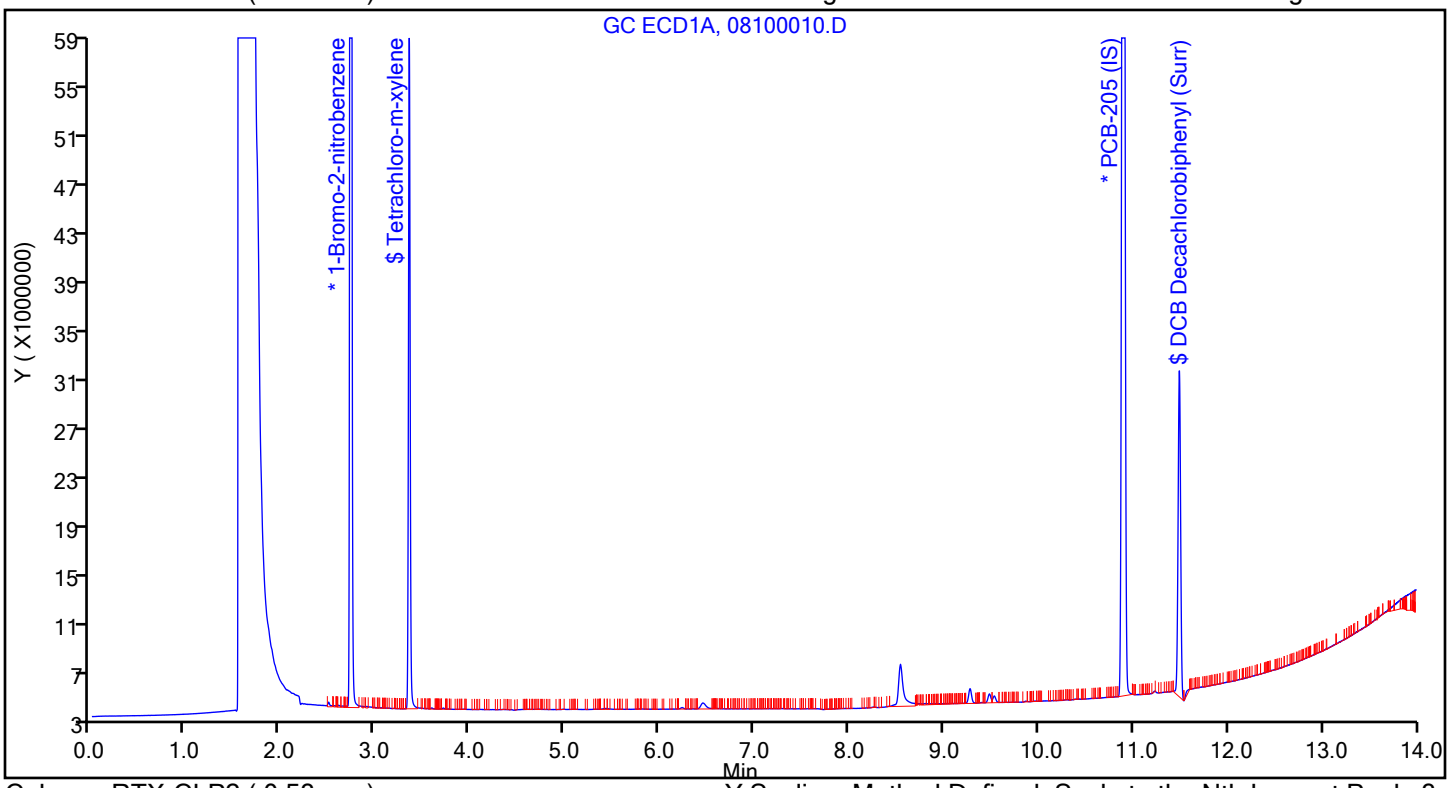
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

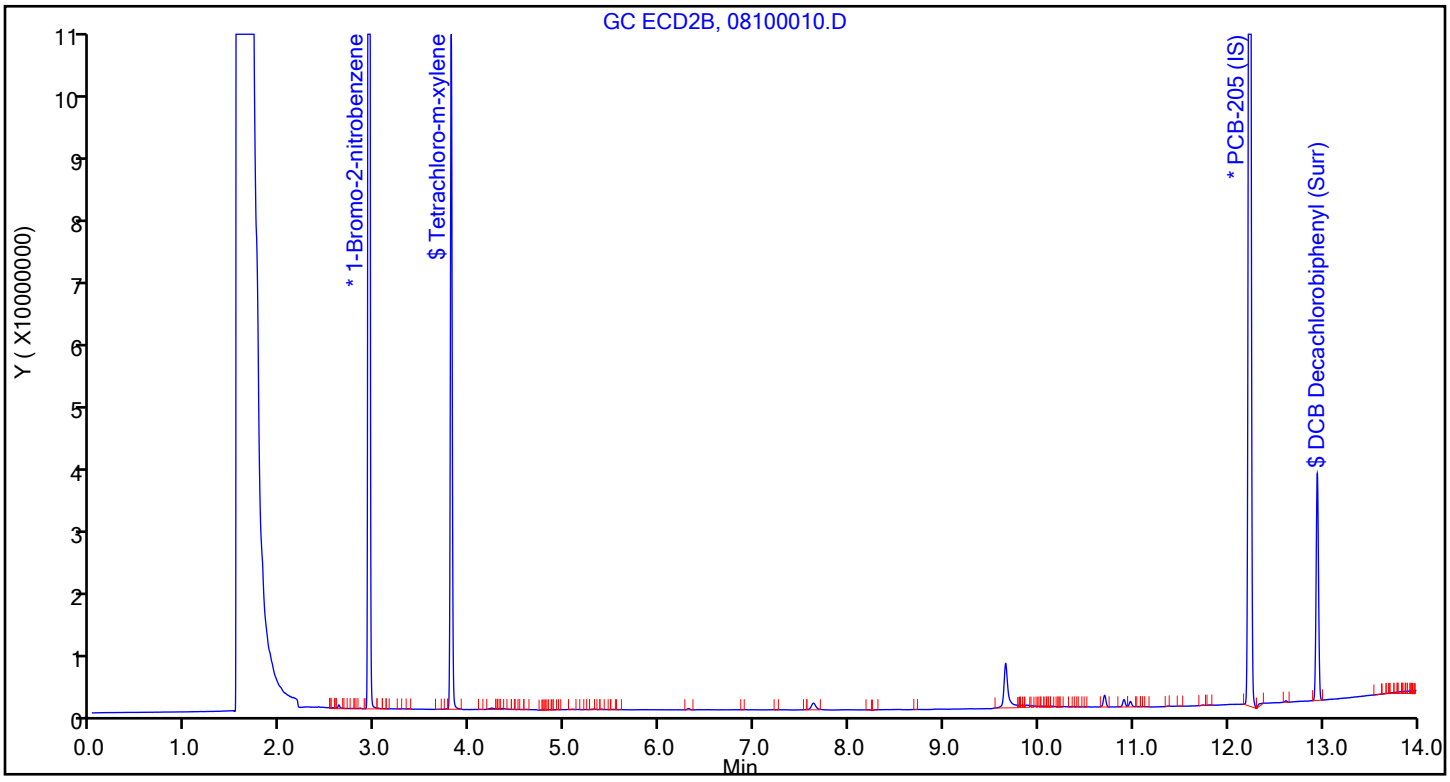
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D
Lims ID: MB 180-407891/1-A
Client ID:
Sample Type: MB
Inject. Date: 10-Aug-2022 10:05:18 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-010
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:11

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0213	106.41
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0210	105.02

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0204	101.98
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0186	93.01

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-407891/1-A

Matrix: Solid Lab File ID: 08100010.D

Analysis Method: EPA 8082A Date Collected:

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 30.0(g) Date Analyzed: 08/10/2022 10:05

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	102		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D
Lims ID: MB 180-407891/1-A
Client ID:
Sample Type: MB
Inject. Date: 10-Aug-2022 10:05:18 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-010
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.735	2.736	0.000	273608632H	0.1000	0.1000	
2	2.928	2.928	0.000	540885575H	0.1000	0.1000	
3 PCB-1221							U
1		2.900				ND	
1		3.493					
1		3.671					
2		3.314					
2		4.095					
2		4.333					
$ 2 Tetrachloro-m-xylene							
1	3.354	3.355	-0.001	54455958H	0.0200	0.0213	
2	3.797	3.799	-0.002	100825764H	0.0200	0.0204	
						RPD = 4.25	
4 PCB-1232							U
1		3.496				ND	
1		3.673					
1		4.024					
1		4.693					
1		5.211					
2		4.098					
2		4.336					
2		4.846					
2		6.467					
2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6	PCB-1242						U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5	PCB-1016						U
1		3.675				ND	
1		4.026					
1		4.695					
1		4.773					
1		5.214					
2		4.339					
2		4.849					
2		5.706					
2		6.470					
2		7.231					
7	PCB-1248						
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8	PCB-1254						U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							U
1		7.119				ND	
1		7.638					
1		8.867					
1		9.407					
1		9.866					
2		8.901					
2		9.275					
2		10.495					
2		10.871					
2		11.399					
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.898	10.897	0.001	156181334H	0.1000	0.1000	
2	12.233	12.232	0.001	250313771H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.490	11.488	0.002	26481728H	0.0200	0.0210	
2	12.947	12.947	0.000	33912761H	0.0200	0.0186	
						RPD = 12.13	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:07:14 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D

Injection Date: 10-Aug-2022 10:05:18 Instrument ID: CHGC20

Lims ID: MB 180-407891/1-A

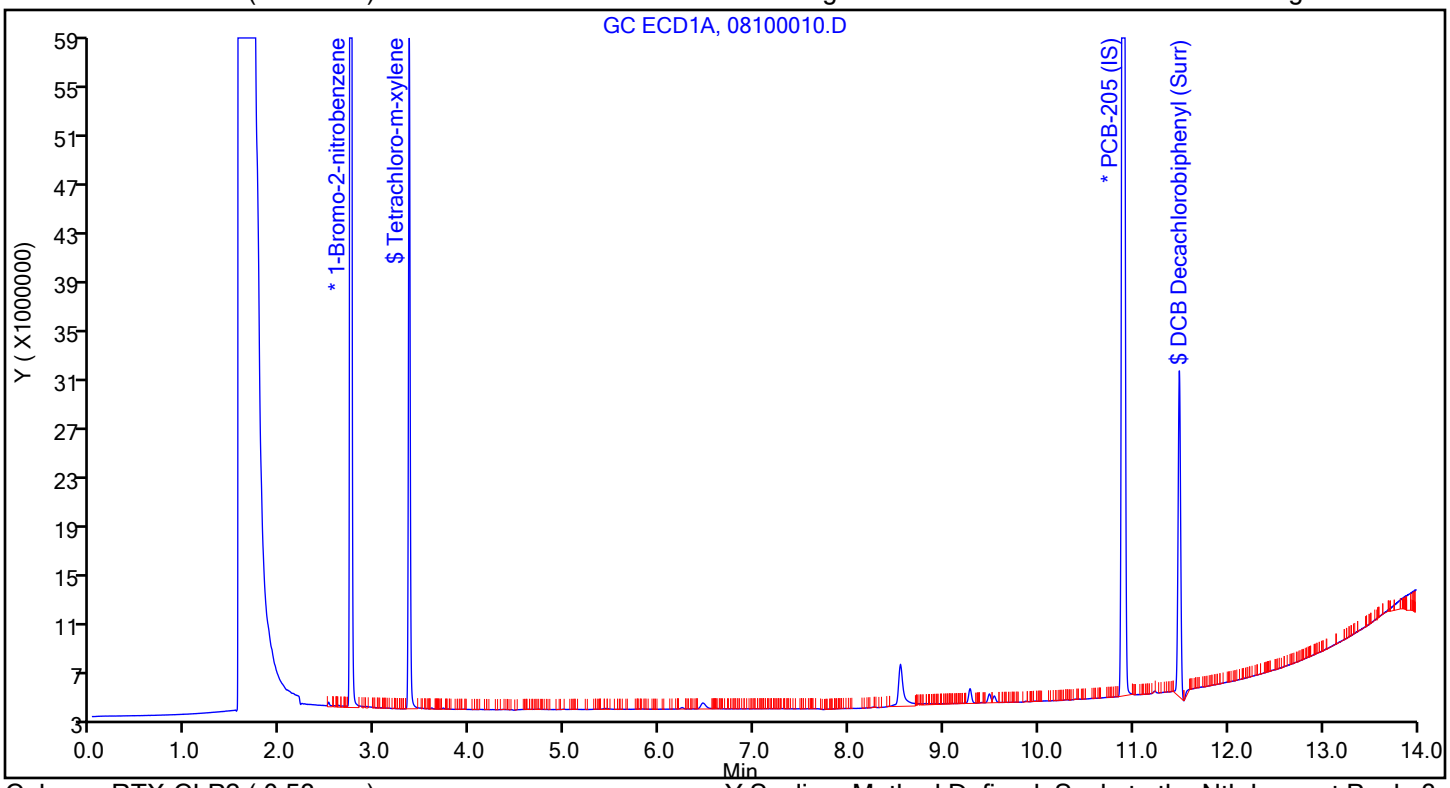
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

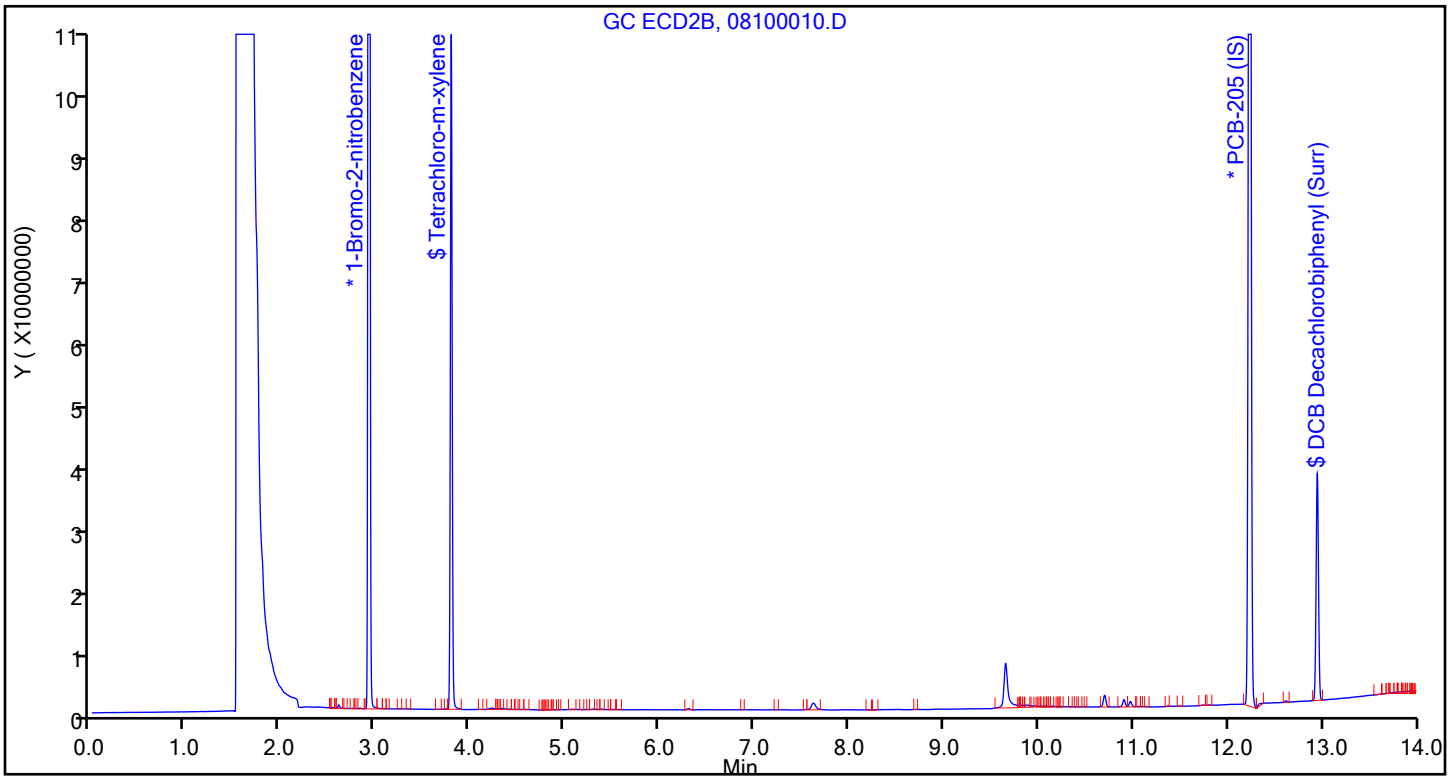
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100010.D				
Lims ID:	MB 180-407891/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	10-Aug-2022 10:05:18	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	180-0044159-010				
Operator ID:	402331	Instrument ID:	CHGC20		
Method:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m				
Limit Group:	GCS 8082A ICAL with IS				
Last Update:	10-Aug-2022 14:06:27	Calib Date:	16-Jun-2022 11:03:05		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D				
Column 1 :	RTX-CLP1 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-CLP2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1611				
First Level Reviewer: Q9YL		Date:	10-Aug-2022 13:57:11		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0213	106.41
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0210	105.02

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0204	101.98
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0186	93.01

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-407891/2-A

Matrix: Solid | Lab File ID: 08100011.D

Analysis Method: EPA 8082A | Date Collected:

Extraction Method: 3541 | Date Extracted: 08/08/2022 13:32

Sample wt/vol: 30.0(g) | Date Analyzed: 08/10/2022 10:24

Con. Extract Vol.: 20.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	627		8.3	2.7
11096-82-5	PCB-1260	730		8.3	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	105		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D
Lims ID: LCS 180-407891/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Aug-2022 10:24:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-011
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.737	2.736	0.001	282476971H	0.1000	0.1000	
2	2.928	2.928	0.000	551705217H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.354	3.355	-0.001	55298073H	0.0200	0.0209	
2	3.798	3.799	-0.001	104107173H	0.0200	0.0206	
						RPD = 1.37	
5 PCB-1016							
1	3.676	3.675	0.001	37915565H	1.00	0.8915	
1	4.027	4.026	0.001	55534434H	1.00	0.9242	
1	4.696	4.695	0.001	51369795H	1.00	0.9144	
1	4.773	4.773	0.000	37752010H	1.00	0.99	
1	5.214	5.214	0.000	43101717H	1.00	0.9796	
		Average of Peak Amounts =				0.9402	
2	4.338	4.339	-0.001	63507759H	1.00	0.9221	
2	4.848	4.849	-0.001	85493990H	1.00	0.8932	
2	5.705	5.706	-0.001	84398442H	1.00	0.9526	
2	6.470	6.470	0.000	70584948H	1.00	0.9597	
2	7.230	7.231	-0.001	51952724H	1.00	0.9398	
		Average of Peak Amounts =				0.9335	
						RPD = 0.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.119	7.119	0.000	62635678H	1.00	1.06	
1	7.638	7.638	0.000	87531425H	1.00	1.12	
1	8.866	8.867	-0.001	61943454H	1.00	1.10	
1	9.408	9.407	0.001	156561049H	1.00	1.16	
1	9.868	9.866	0.002	75270148H	1.00	1.04	
		Average of Peak Amounts =				1.09	
2	8.901	8.901	0.000	110230735H	1.00	1.19	
2	9.276	9.275	0.001	140089188H	1.00	1.21	
2	10.495	10.495	0.000	102865584H	1.00	1.21	
2	10.872	10.871	0.001	244868041H	1.00	1.24	
2	11.399	11.399	0.000	128962282H	1.00	1.21	
		Average of Peak Amounts =				1.21	
						RPD = 10.16	
* 12 PCB-205 (IS)							
1	10.897	10.897	-0.001	160989086H	0.1000	0.1000	
2	12.233	12.232	0.001	251917629H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.488	11.488	0.000	25991534H	0.0200	0.0200	
2	12.947	12.947	0.000	34971805H	0.0200	0.0191	
						RPD = 4.81	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

PCBINT_00021 Amount Added: 0.01 Units: mL Run Reagent

Report Date: 10-Aug-2022 14:07:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

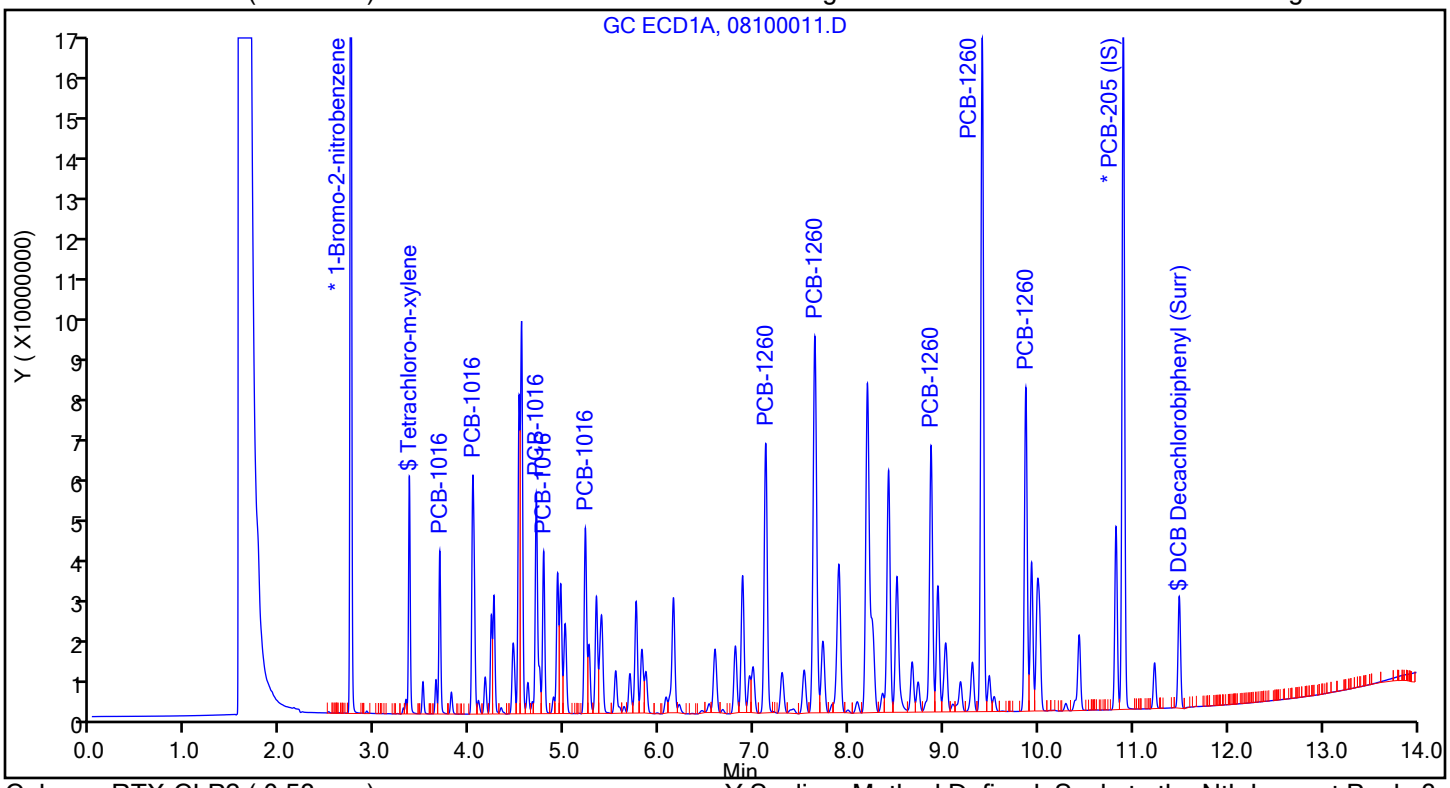
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

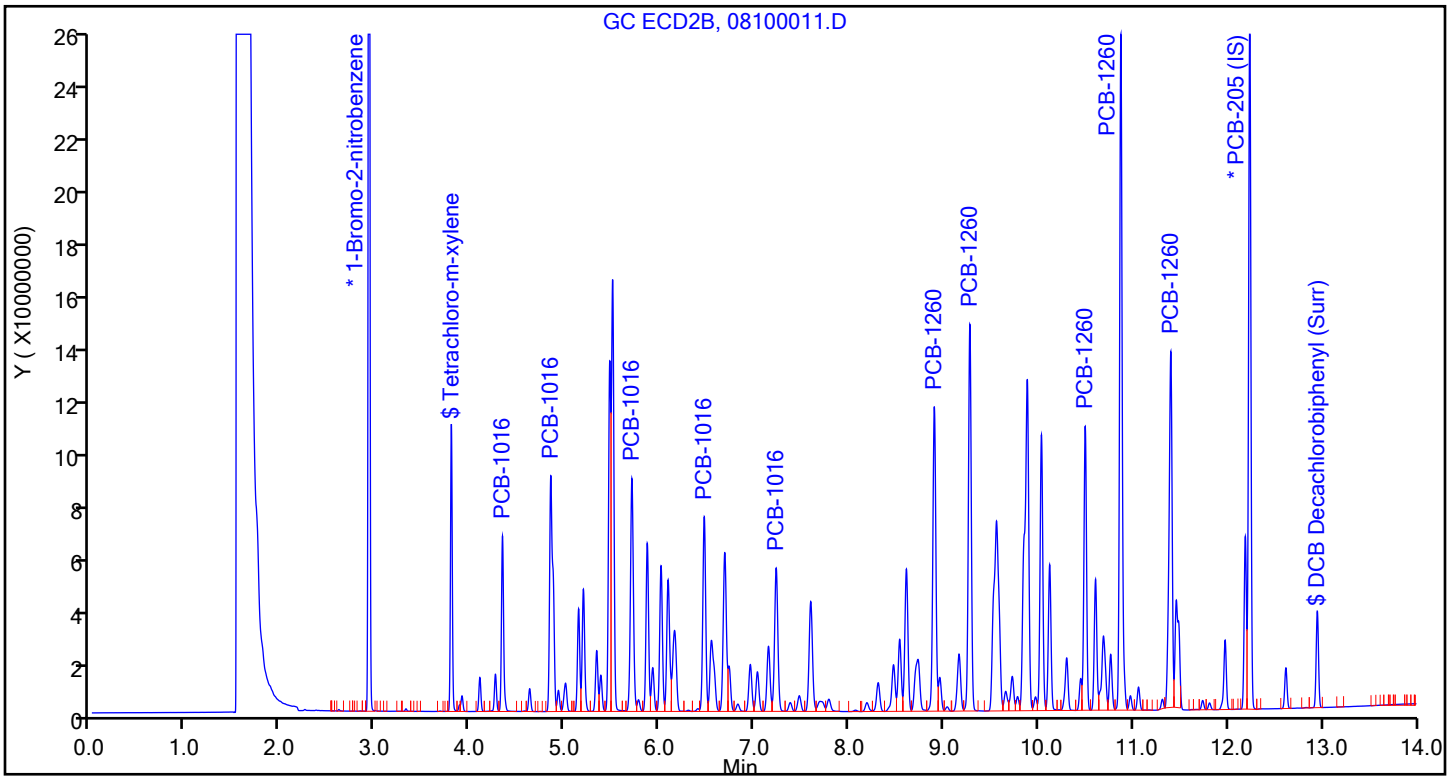
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D
Lims ID: LCS 180-407891/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Aug-2022 10:24:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-011
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:15

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0209	104.66
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0200	100.00

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0206	103.24
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0191	95.31

Report Date: 10-Aug-2022 14:07:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

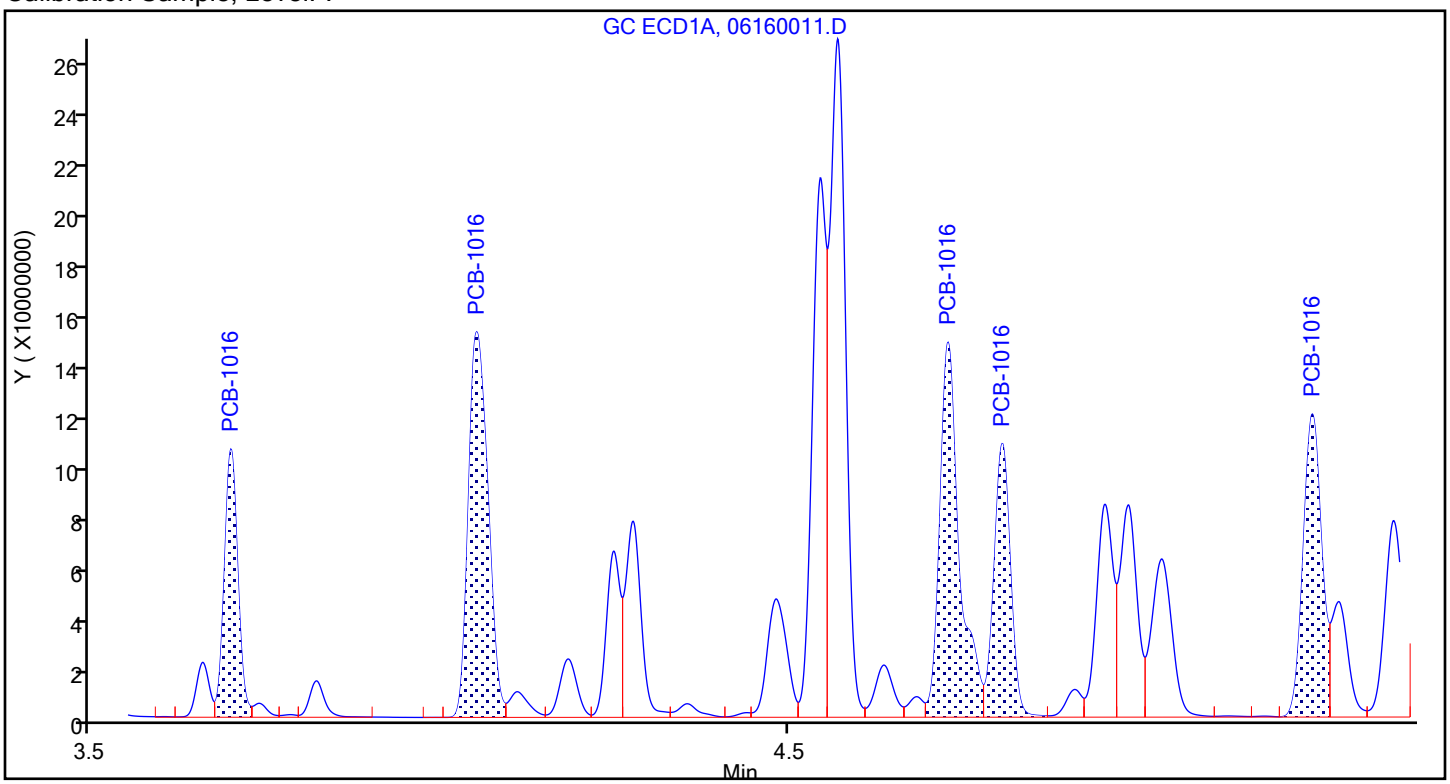
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

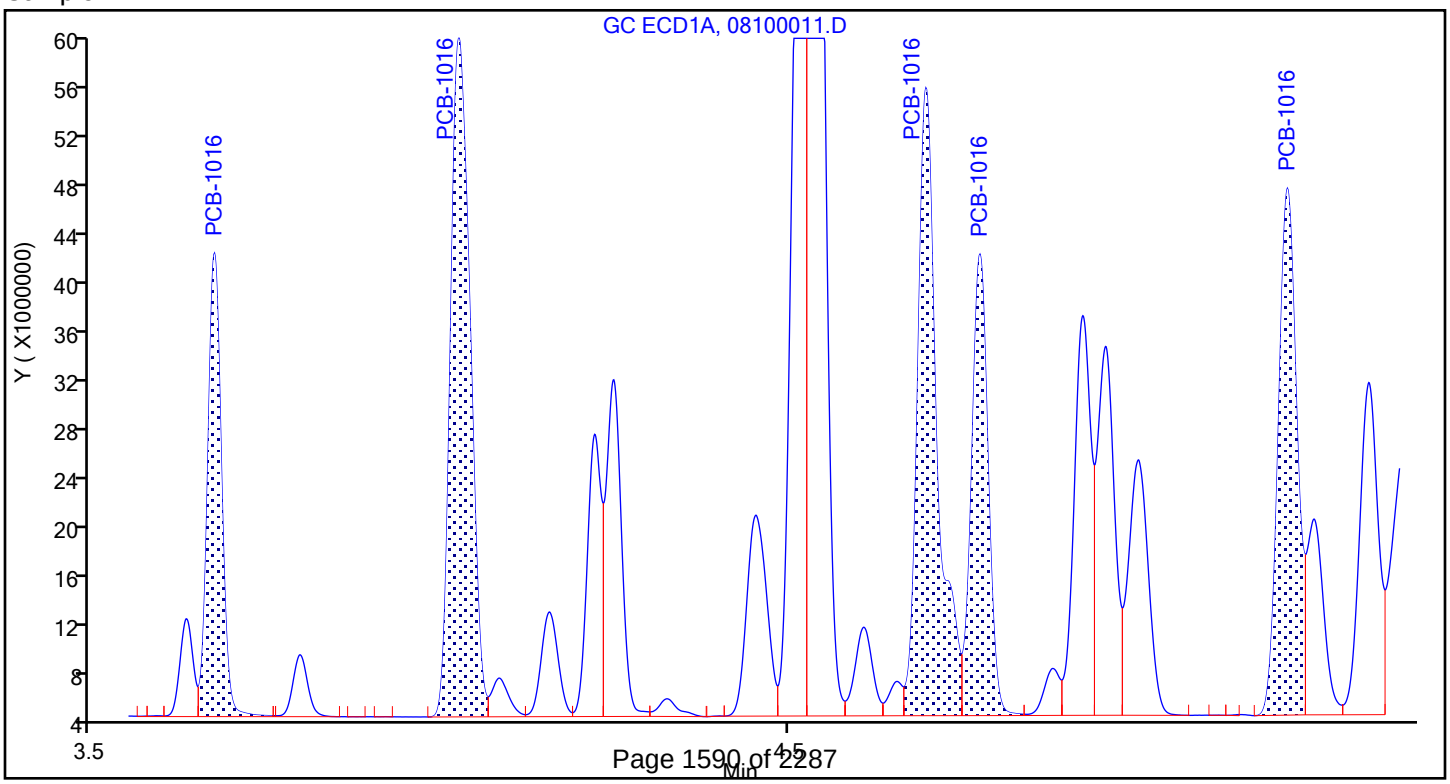
Column: RTX-CLP1 (0.53 mm) Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Aug-2022 14:07:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

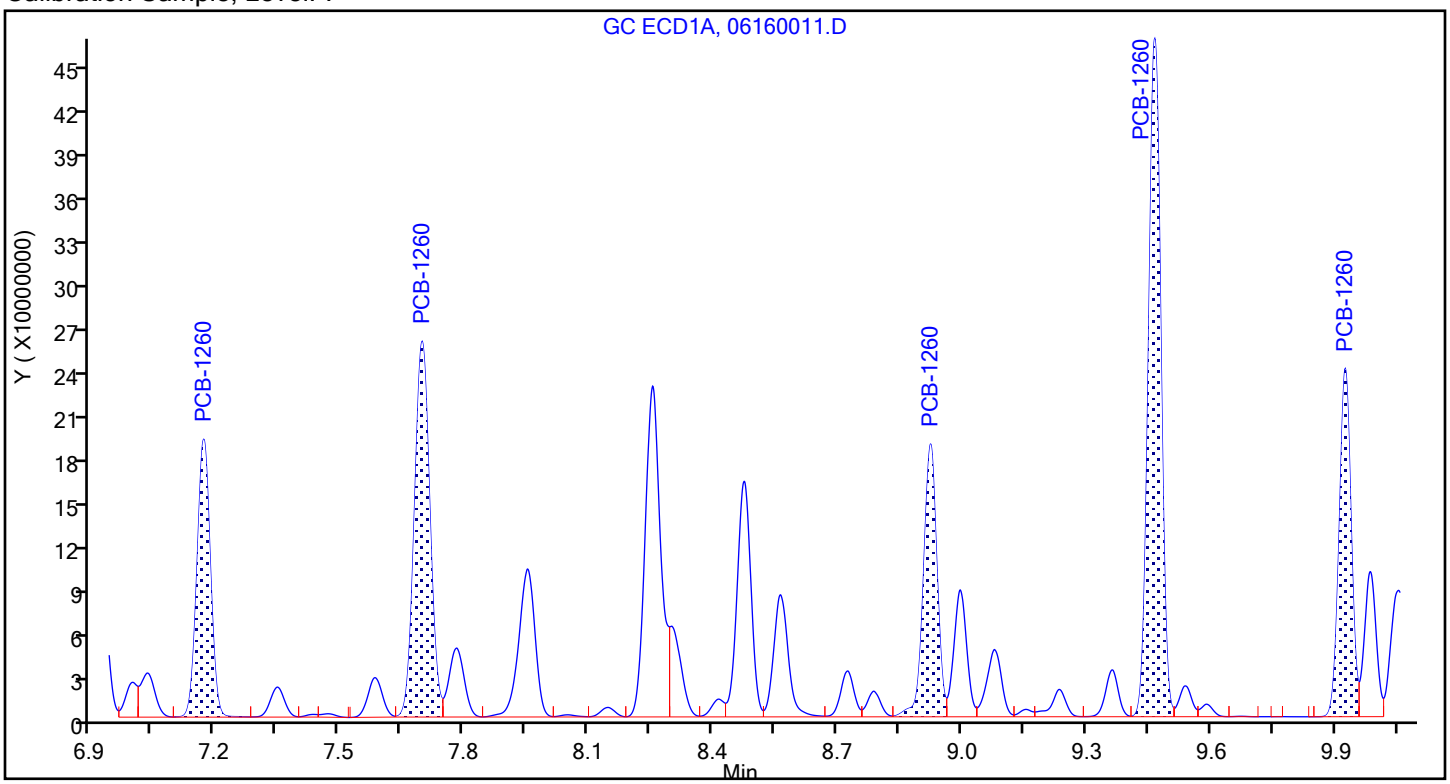
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

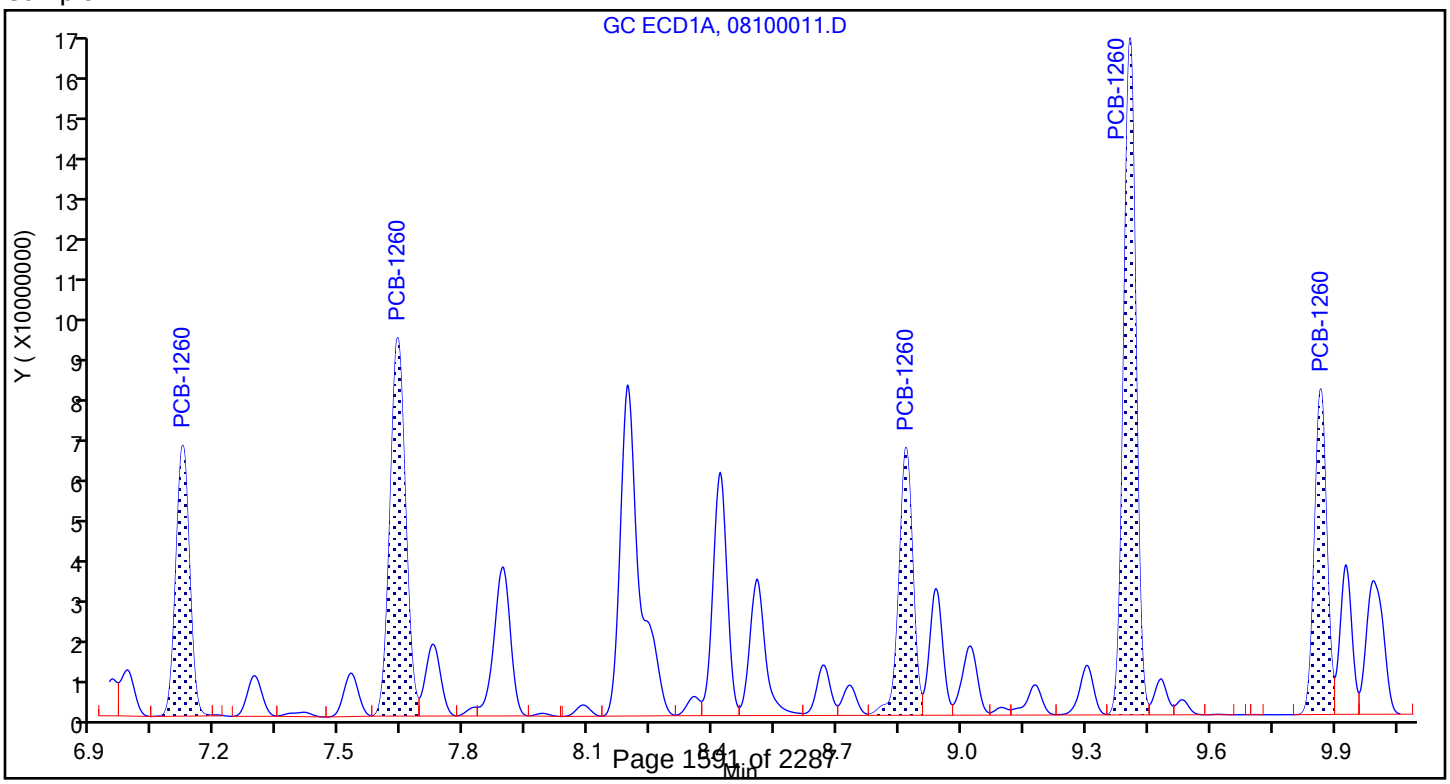
Column: RTX-CLP1 (0.53 mm) Detector GC ECD1A

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-407891/2-A

Matrix: Solid Lab File ID: 08100011.D

Analysis Method: EPA 8082A Date Collected:

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 30.0(g) Date Analyzed: 08/10/2022 10:24

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	103		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	95		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D
Lims ID: LCS 180-407891/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Aug-2022 10:24:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-011
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.737	2.736	0.001	282476971H	0.1000	0.1000	
2	2.928	2.928	0.000	551705217H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.354	3.355	-0.001	55298073H	0.0200	0.0209	
2	3.798	3.799	-0.001	104107173H	0.0200	0.0206	
						RPD = 1.37	
5 PCB-1016							
1	3.676	3.675	0.001	37915565H	1.00	0.8915	
1	4.027	4.026	0.001	55534434H	1.00	0.9242	
1	4.696	4.695	0.001	51369795H	1.00	0.9144	
1	4.773	4.773	0.000	37752010H	1.00	0.99	
1	5.214	5.214	0.000	43101717H	1.00	0.9796	
		Average of Peak Amounts =				0.9402	
2	4.338	4.339	-0.001	63507759H	1.00	0.9221	
2	4.848	4.849	-0.001	85493990H	1.00	0.8932	
2	5.705	5.706	-0.001	84398442H	1.00	0.9526	
2	6.470	6.470	0.000	70584948H	1.00	0.9597	
2	7.230	7.231	-0.001	51952724H	1.00	0.9398	
		Average of Peak Amounts =				0.9335	
						RPD = 0.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1260							
1	7.119	7.119	0.000	62635678H	1.00	1.06	
1	7.638	7.638	0.000	87531425H	1.00	1.12	
1	8.866	8.867	-0.001	61943454H	1.00	1.10	
1	9.408	9.407	0.001	156561049H	1.00	1.16	
1	9.868	9.866	0.002	75270148H	1.00	1.04	
		Average of Peak Amounts =				1.09	
2	8.901	8.901	0.000	110230735H	1.00	1.19	
2	9.276	9.275	0.001	140089188H	1.00	1.21	
2	10.495	10.495	0.000	102865584H	1.00	1.21	
2	10.872	10.871	0.001	244868041H	1.00	1.24	
2	11.399	11.399	0.000	128962282H	1.00	1.21	
		Average of Peak Amounts =				1.21	
						RPD = 10.16	
* 12 PCB-205 (IS)							
1	10.897	10.897	-0.001	160989086H	0.1000	0.1000	
2	12.233	12.232	0.001	251917629H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.488	11.488	0.000	25991534H	0.0200	0.0200	
2	12.947	12.947	0.000	34971805H	0.0200	0.0191	
						RPD = 4.81	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

PCBINT_00021 Amount Added: 0.01 Units: mL Run Reagent

Report Date: 10-Aug-2022 14:07:12 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

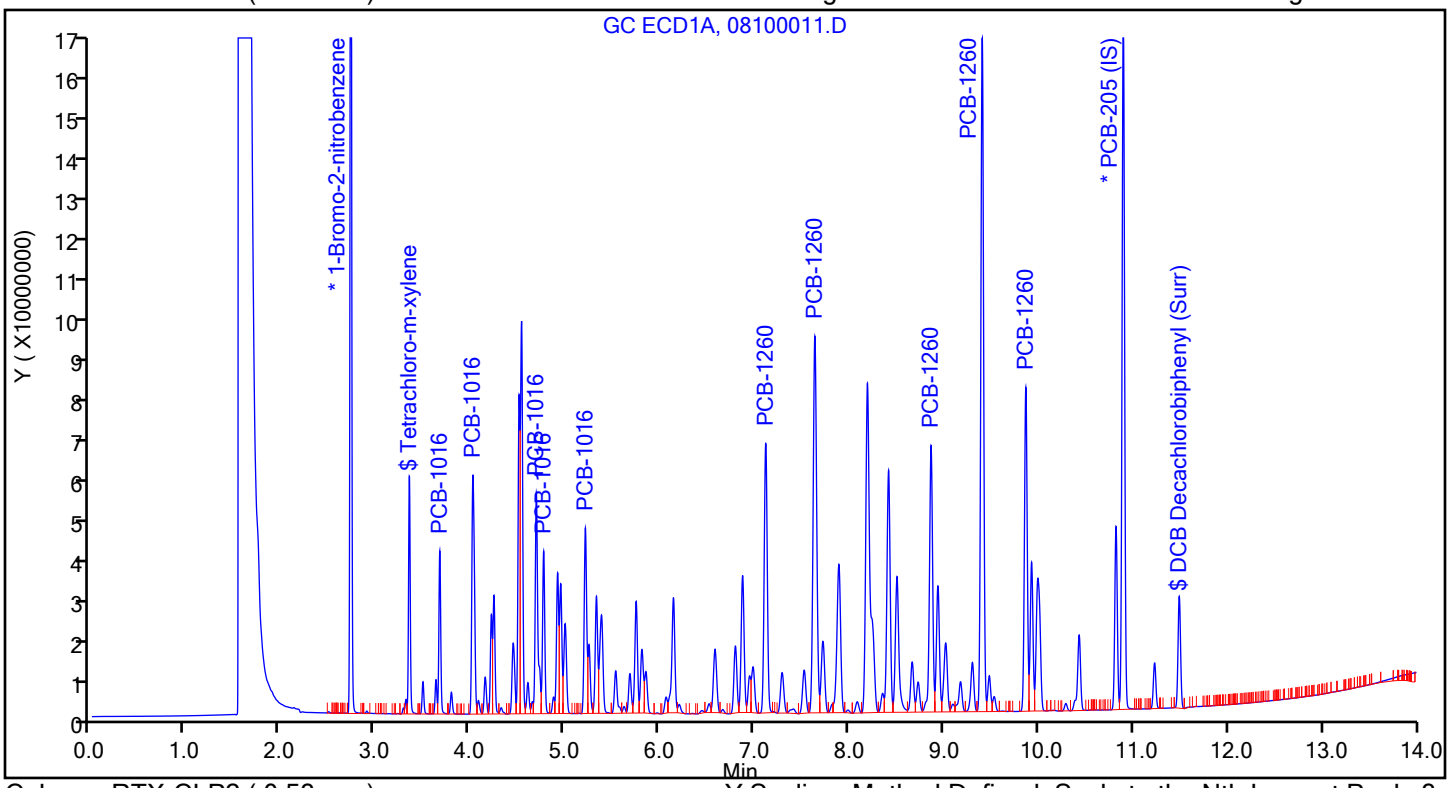
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

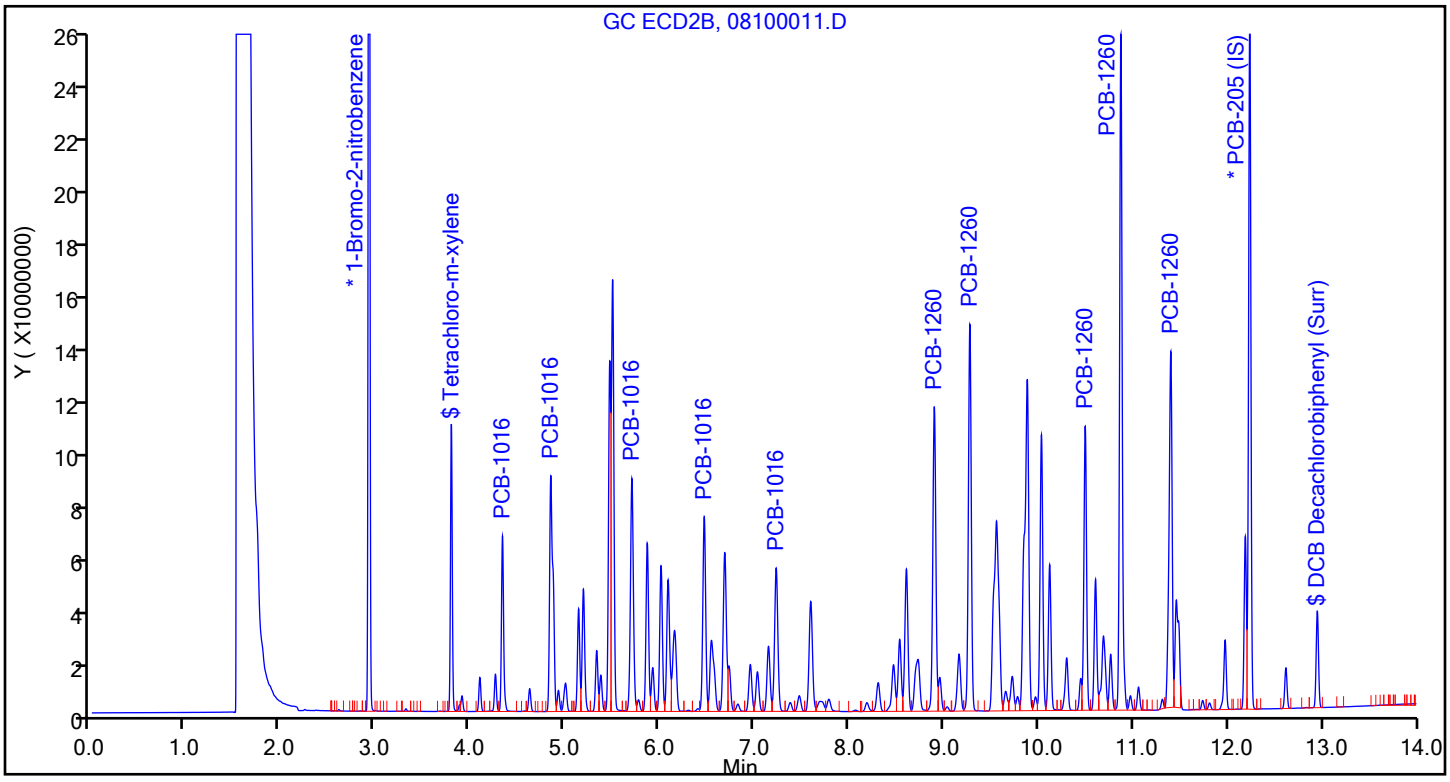
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D
Lims ID: LCS 180-407891/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Aug-2022 10:24:05 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-011
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 13:57:15

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0209	104.66
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0200	100.00

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0206	103.24
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0191	95.31

Report Date: 10-Aug-2022 14:07:12 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

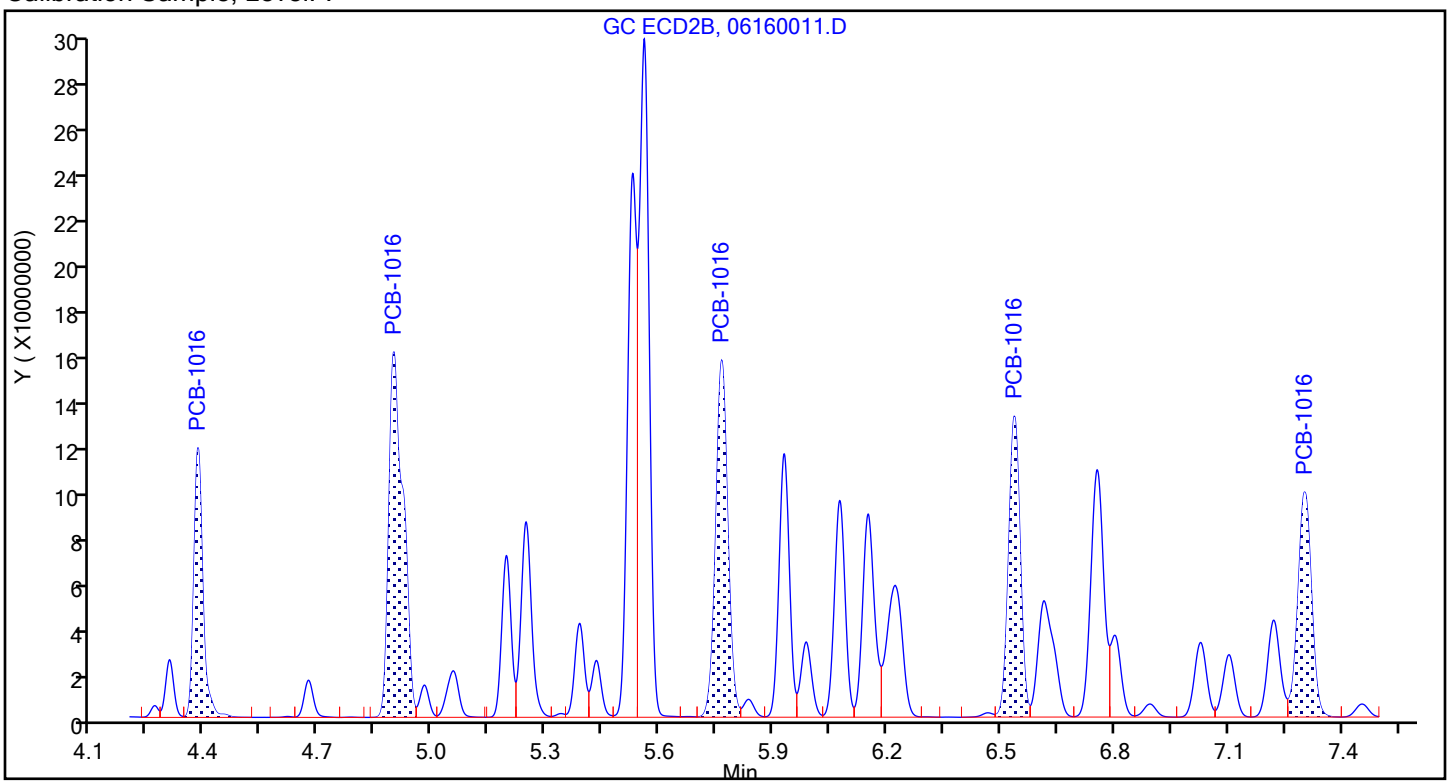
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

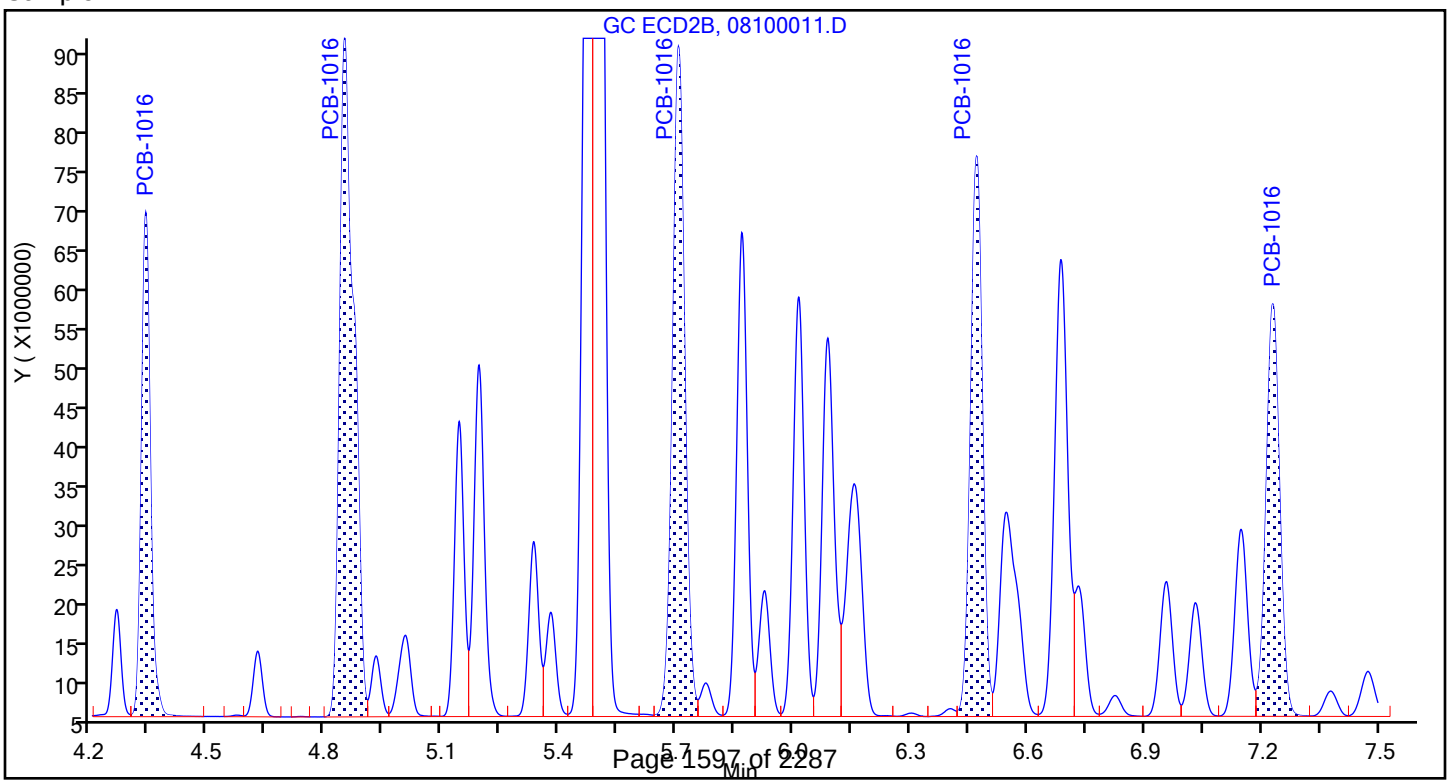
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Aug-2022 14:07:12 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100011.D

Injection Date: 10-Aug-2022 10:24:05 Instrument ID: CHGC20

Lims ID: LCS 180-407891/2-A

Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

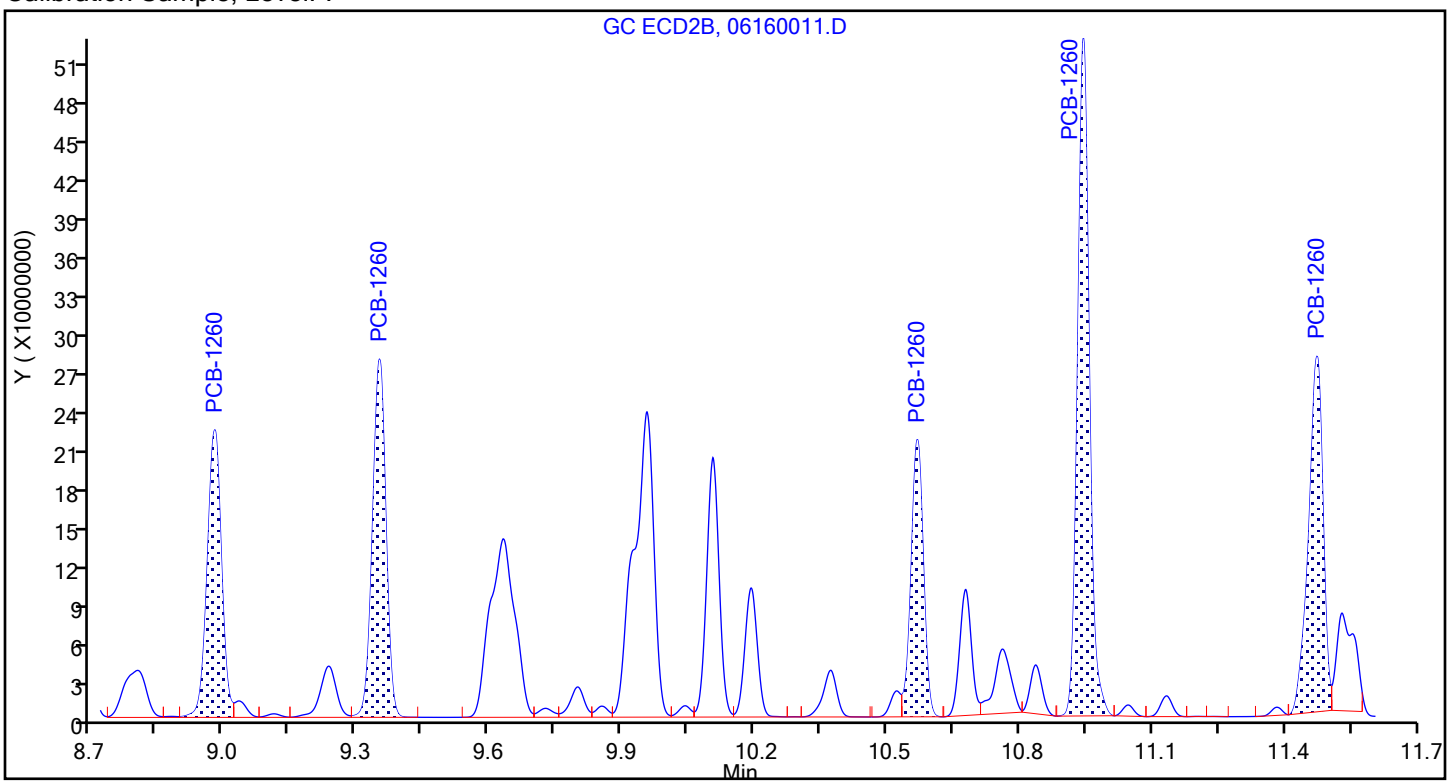
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

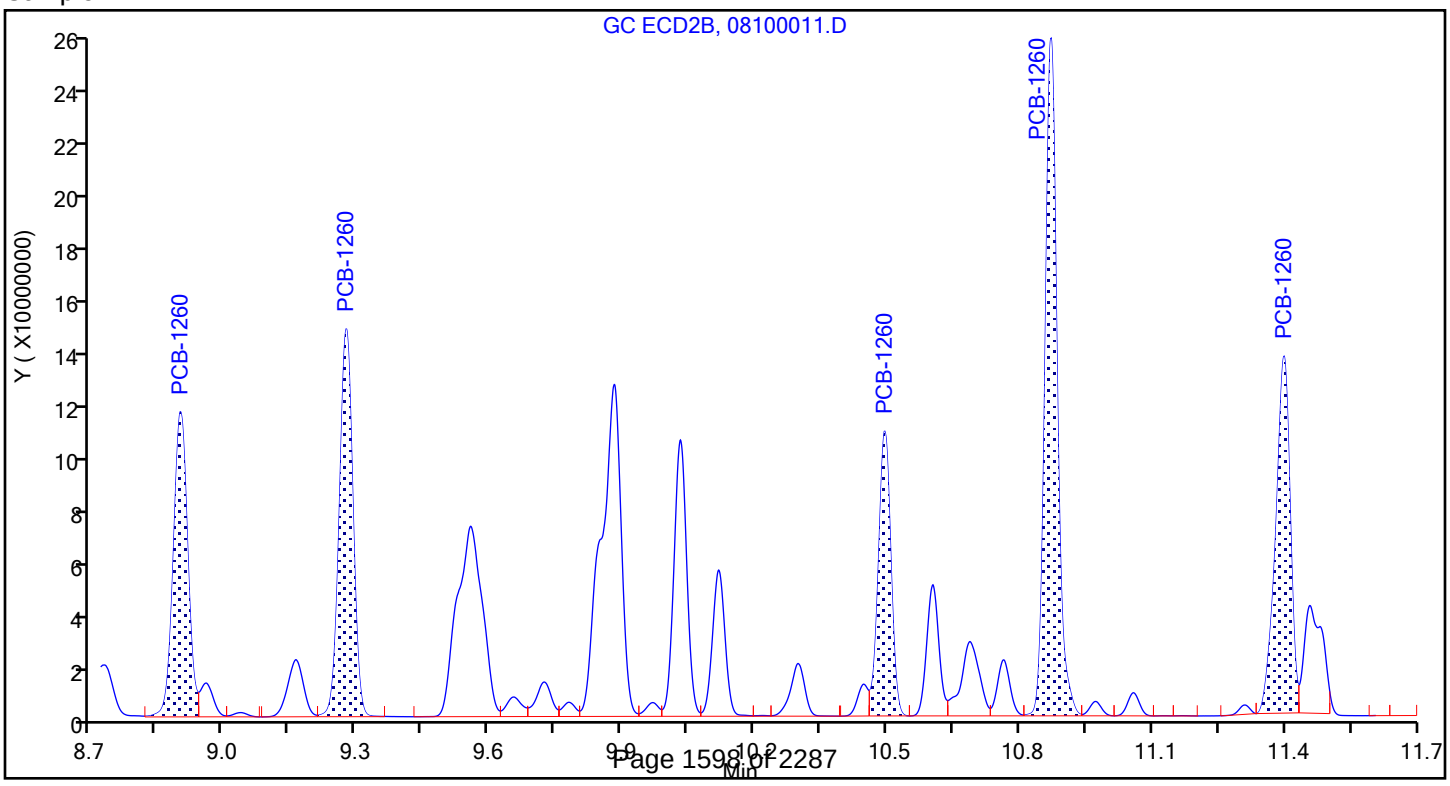
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MS | Lab Sample ID: 180-142292-2 MS

Matrix: Solid | Lab File ID: 08100020.D

Analysis Method: EPA 8082A | Date Collected: 07/27/2022 09:00

Extraction Method: 3541 | Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.45(g) | Date Analyzed: 08/10/2022 13:12

Con. Extract Vol.: 20.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1500		17	5.6
11104-28-2	PCB-1221	ND		17	6.1
11141-16-5	PCB-1232	ND		17	4.2
53469-21-9	PCB-1242	ND		17	2.5
12672-29-6	PCB-1248	ND		17	4.1
11097-69-1	PCB-1254	ND		17	5.2
11096-82-5	PCB-1260	1580		17	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	109		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D
Lims ID: 180-142292-E-2-G MS
Client ID:
Sample Type: MS
Inject. Date: 10-Aug-2022 13:12:14 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-020
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.734	2.736	-0.001	236655177H	0.1000	0.1000	
2	2.928	2.928	0.000	479474441H	0.1000	0.1000	
3 PCB-1221							U
1		2.900				ND	
1		3.493					
1		3.671					
2		3.314					
2		4.095					
2		4.333					
$ 2 Tetrachloro-m-xylene							
1	3.352	3.355	-0.003	48424323H	0.0200	0.0219	
2	3.798	3.799	-0.001	89099949H	0.0200	0.0203	
						RPD = 7.33	
4 PCB-1232							U
1		3.496				ND	
1		3.673					
1		4.024					
1		4.693					
1		5.211					
2		4.098					
2		4.336					
2		4.846					
2		6.467					
2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6 PCB-1242							U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5 PCB-1016							
1	3.673	3.675	-0.002	34978159H		0.9817	
1	4.023	4.026	-0.003	53775237H		1.07	
1	4.693	4.695	-0.002	49568951H		1.05	
1	4.769	4.773	-0.004	36386959H		1.14	
1	5.212	5.214	-0.002	44310363H		1.20	
		Average of Peak Amounts =				1.09	
2	4.338	4.339	-0.001	58700508H		0.9807	
2	4.848	4.849	-0.001	83185033H		1.00	
2	5.705	5.706	-0.001	79970058H		1.04	
2	6.469	6.470	-0.001	69743205H		1.09	
2	7.231	7.231	0.000	54382944H		1.13	
		Average of Peak Amounts =				1.05	
						RPD = 3.80	
7 PCB-1248							U
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8 PCB-1254							U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							
1	7.115	7.119	-0.004	62856176H		1.13	
1	7.633	7.638	-0.005	85818314H		1.17	
1	8.862	8.867	-0.005	59515934H		1.13	
1	9.402	9.407	-0.005	150484659H		1.19	
1	9.863	9.866	-0.003	75774167H		1.12	
		Average of Peak Amounts =				1.15	
2	8.900	8.901	-0.001	104245213H		1.16	
2	9.275	9.275	0.000	131202082H		1.17	
2	10.494	10.495	-0.001	96147636H		1.17	
2	10.870	10.871	-0.001	241293668H		1.26	
2	11.398	11.399	-0.001	126279618H		1.23	
		Average of Peak Amounts =				1.20	
						RPD = 4.56	
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.892	10.897	-0.006	150915765H	0.1000	0.1000	
2	12.231	12.232	-0.001	243347268H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.483	11.488	-0.005	24434930H	0.0200	0.0201	
2	12.946	12.947	-0.001	33400699H	0.0200	0.0188	
						RPD = 6.23	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:06:48 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

Injection Date: 10-Aug-2022 13:12:14 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-G MS

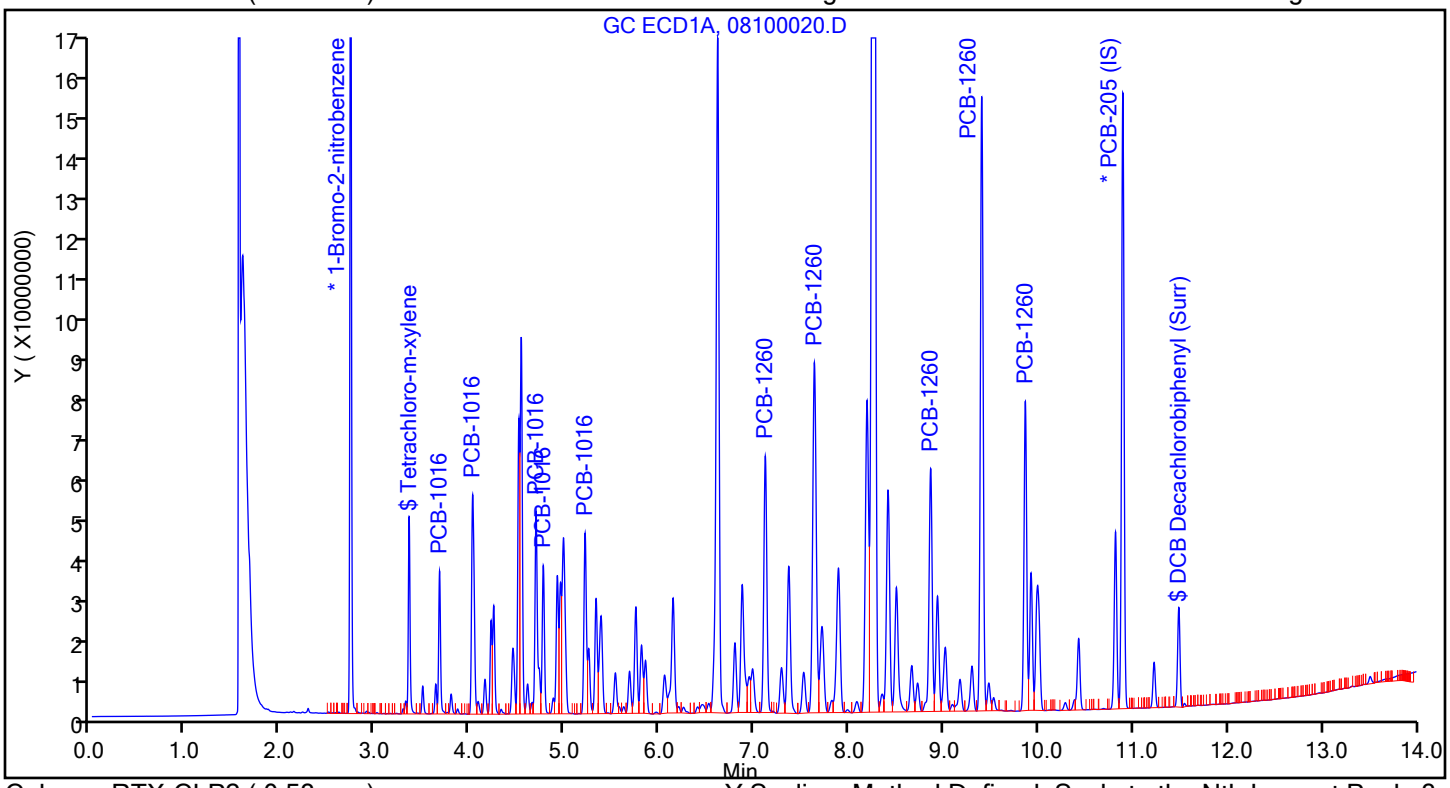
Client ID:

Operator ID: 402331 ALS Bottle#: 20 Worklist Smp#: 20

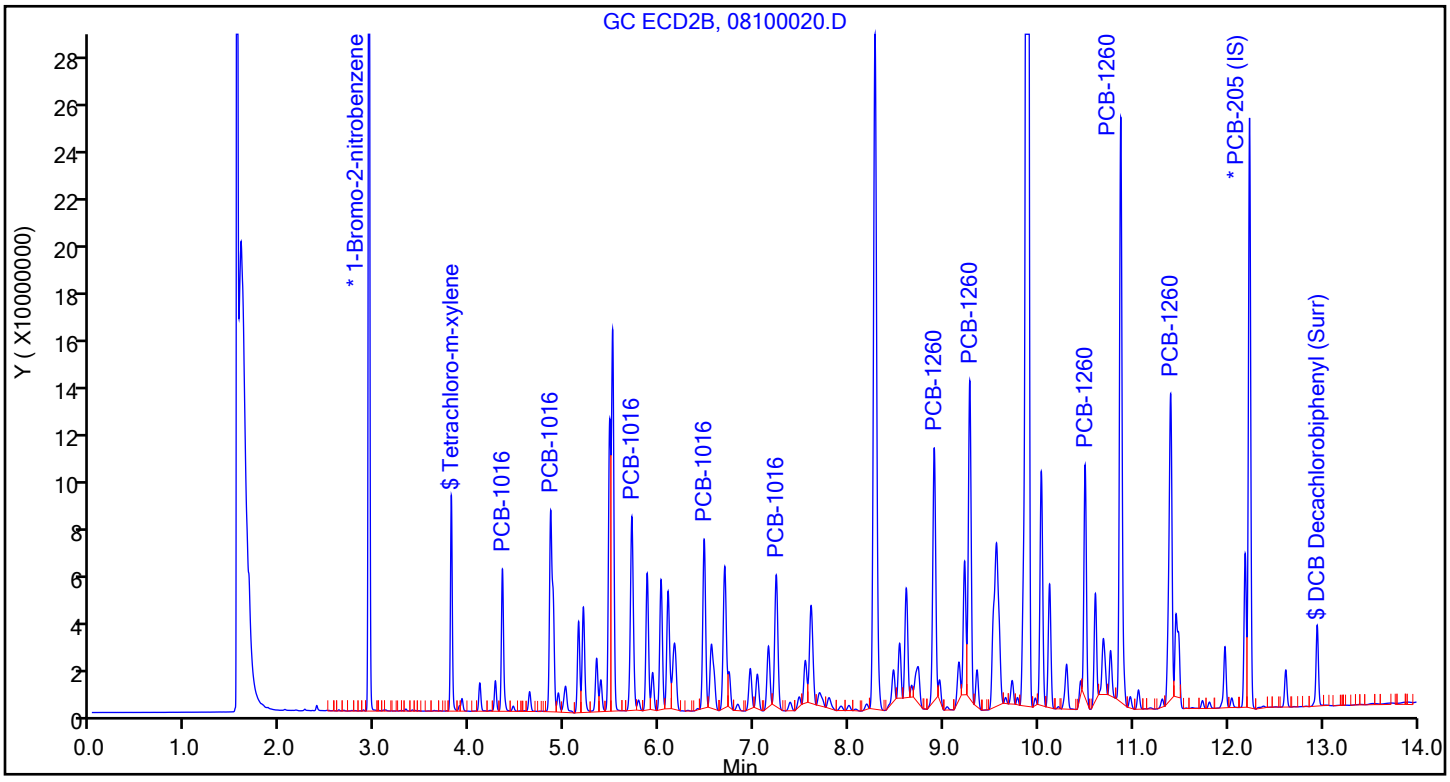
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D
Lims ID: 180-142292-E-2-G MS
Client ID:
Sample Type: MS
Inject. Date: 10-Aug-2022 13:12:14 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-020
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:54

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0219	109.40
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0201	100.29

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0203	101.67
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0188	94.23

Report Date: 10-Aug-2022 14:06:49 Chrom Revision: 2.3 08-Aug-2022 16:03:06

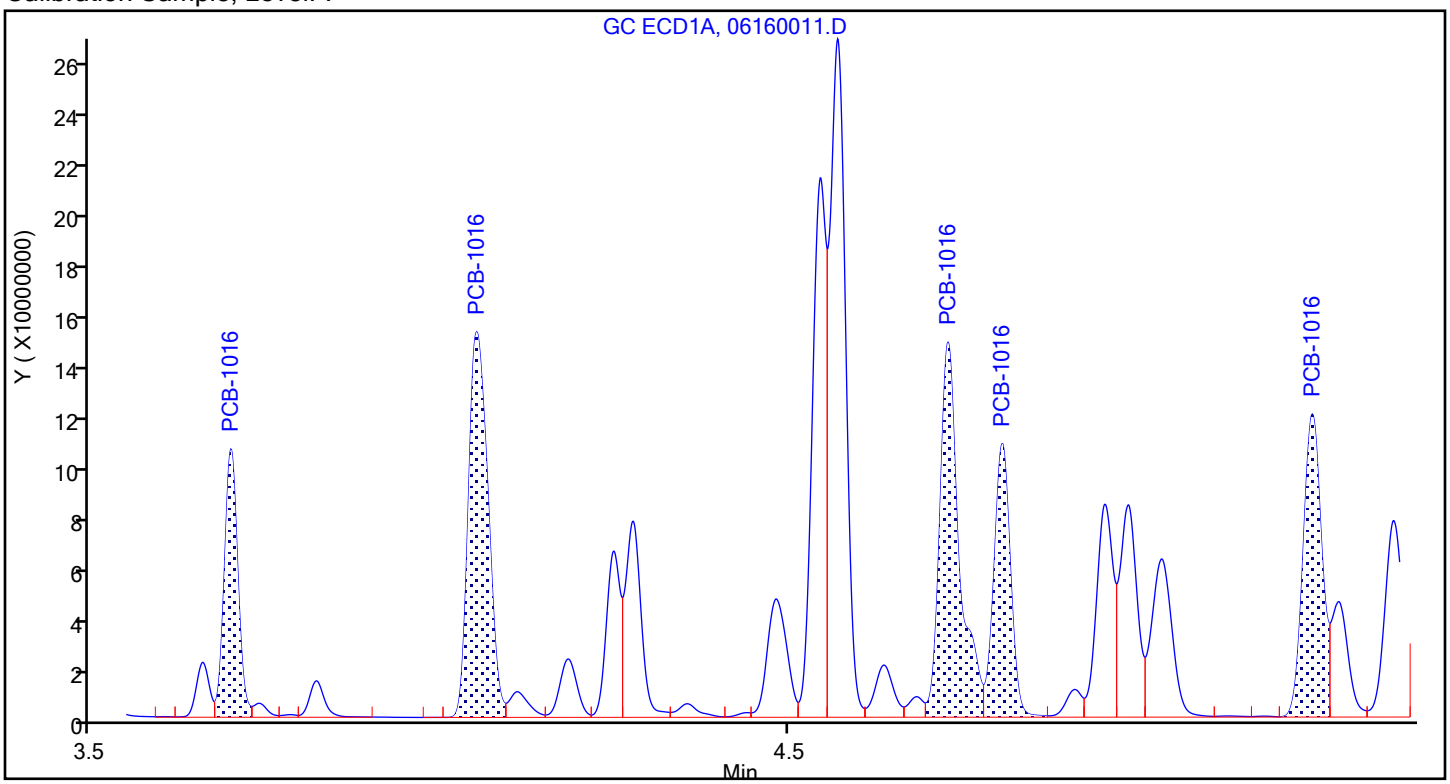
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

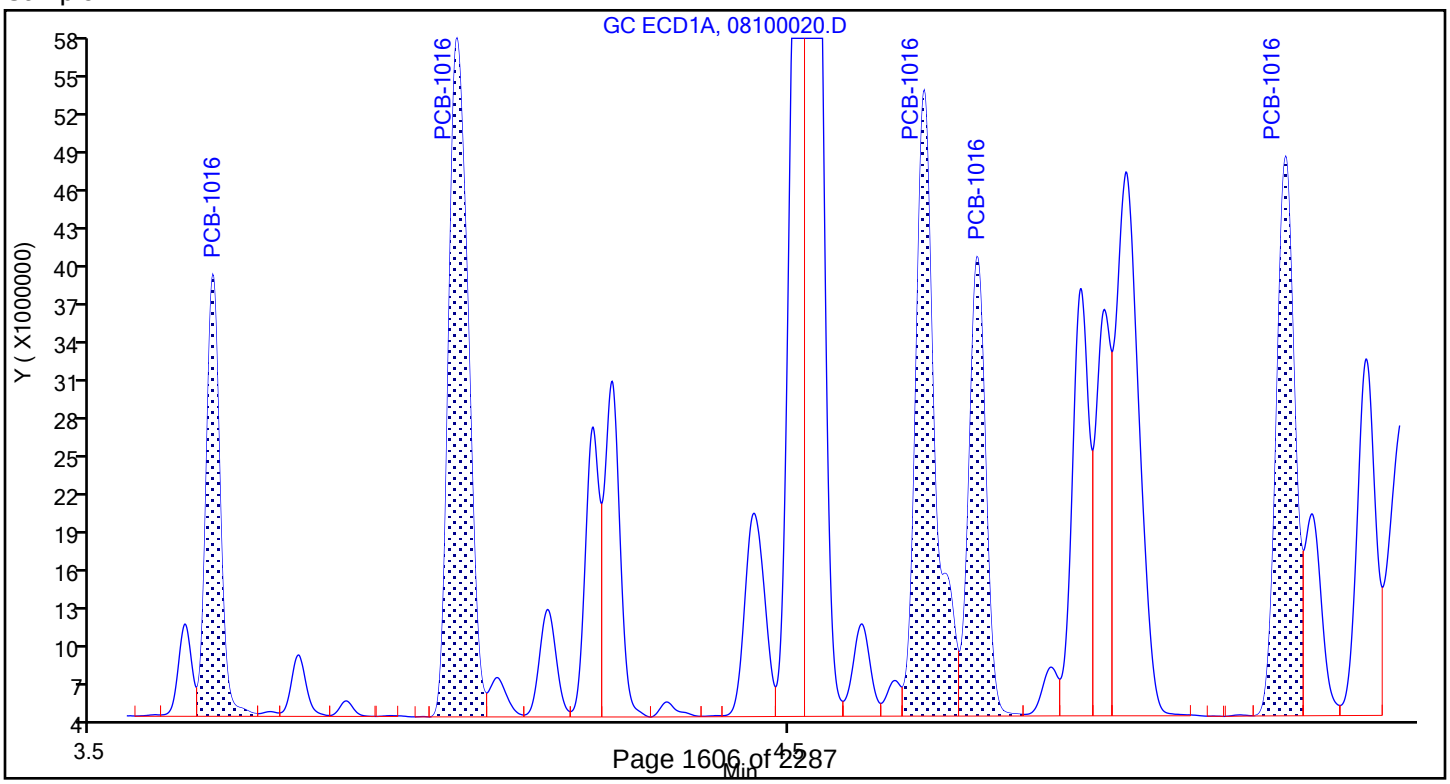
Injection Date:	10-Aug-2022 13:12:14	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-G MS				
Client ID:					
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP1 (0.53 mm)	Detector	GC ECD1A		

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Aug-2022 14:06:49 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

Injection Date: 10-Aug-2022 13:12:14 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-G MS

Client ID:

Operator ID: 402331 ALS Bottle#: 20 Worklist Smp#: 20

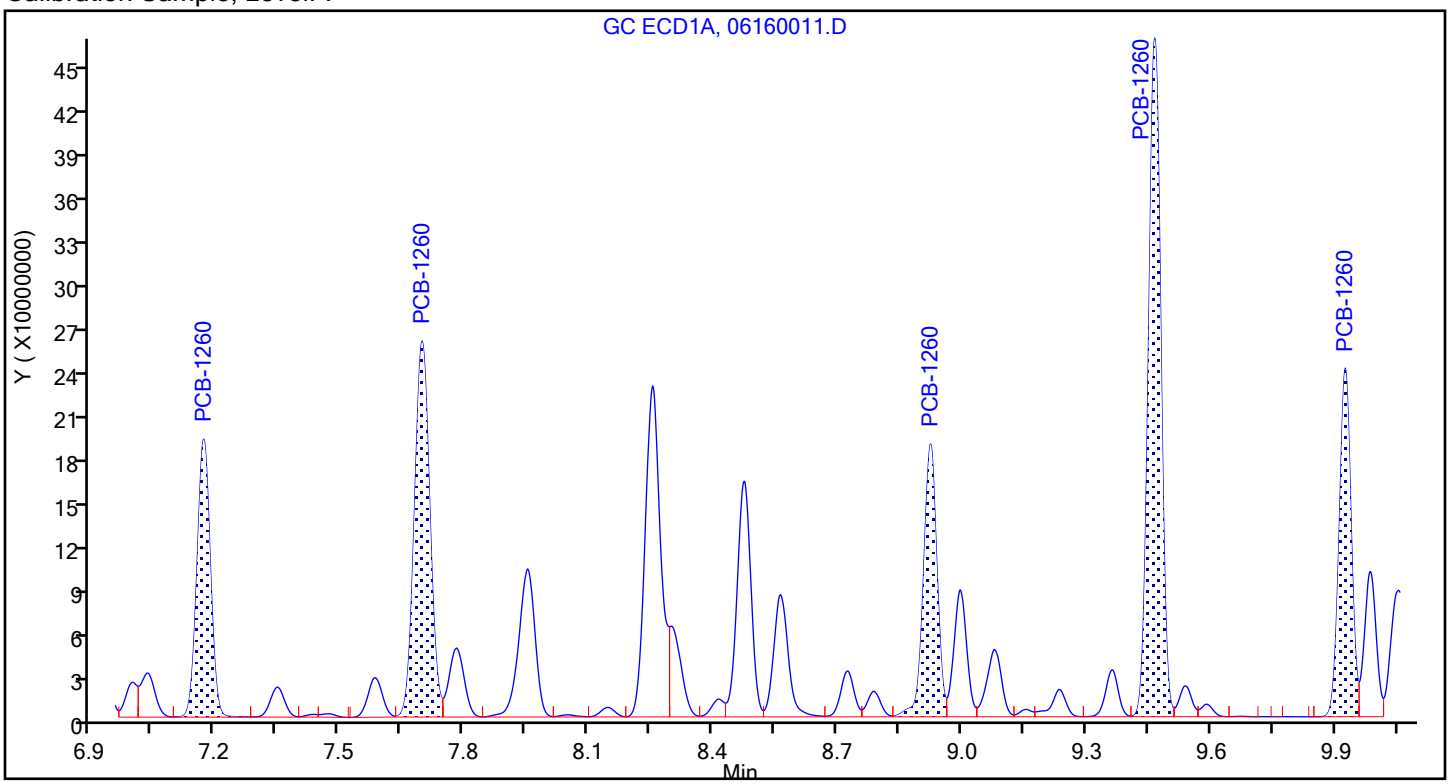
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

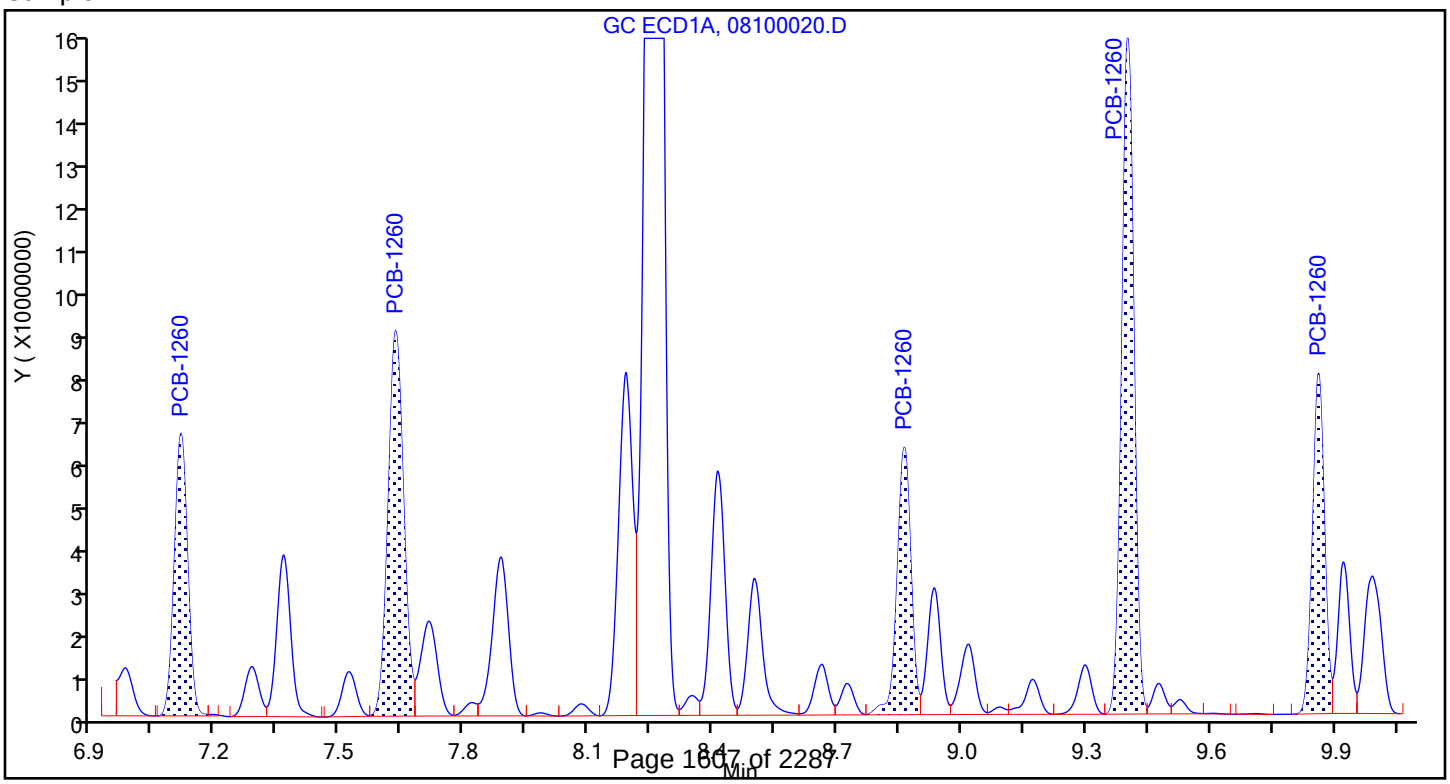
Column: RTX-CLP1 (0.53 mm) Detector GC ECD1A

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MS Lab Sample ID: 180-142292-2 MS

Matrix: Solid Lab File ID: 08100020.D

Analysis Method: EPA 8082A Date Collected: 07/27/2022 09:00

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.45(g) Date Analyzed: 08/10/2022 13:12

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	102		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	94		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D
Lims ID: 180-142292-E-2-G MS
Client ID:
Sample Type: MS
Inject. Date: 10-Aug-2022 13:12:14 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-020
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.734	2.736	-0.001	236655177H	0.1000	0.1000	
2	2.928	2.928	0.000	479474441H	0.1000	0.1000	
3 PCB-1221							U
1		2.900				ND	
1		3.493					
1		3.671					
2		3.314					
2		4.095					
2		4.333					
$ 2 Tetrachloro-m-xylene							
1	3.352	3.355	-0.003	48424323H	0.0200	0.0219	
2	3.798	3.799	-0.001	89099949H	0.0200	0.0203	
						RPD = 7.33	
4 PCB-1232							U
1		3.496				ND	
1		3.673					
1		4.024					
1		4.693					
1		5.211					
2		4.098					
2		4.336					
2		4.846					
2		6.467					
2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6 PCB-1242							U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5 PCB-1016							
1	3.673	3.675	-0.002	34978159H		0.9817	
1	4.023	4.026	-0.003	53775237H		1.07	
1	4.693	4.695	-0.002	49568951H		1.05	
1	4.769	4.773	-0.004	36386959H		1.14	
1	5.212	5.214	-0.002	44310363H		1.20	
		Average of Peak Amounts =				1.09	
2	4.338	4.339	-0.001	58700508H		0.9807	
2	4.848	4.849	-0.001	83185033H		1.00	
2	5.705	5.706	-0.001	79970058H		1.04	
2	6.469	6.470	-0.001	69743205H		1.09	
2	7.231	7.231	0.000	54382944H		1.13	
		Average of Peak Amounts =				1.05	
						RPD = 3.80	
7 PCB-1248							U
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8 PCB-1254							U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							
1	7.115	7.119	-0.004	62856176H		1.13	
1	7.633	7.638	-0.005	85818314H		1.17	
1	8.862	8.867	-0.005	59515934H		1.13	
1	9.402	9.407	-0.005	150484659H		1.19	
1	9.863	9.866	-0.003	75774167H		1.12	
		Average of Peak Amounts =				1.15	
2	8.900	8.901	-0.001	104245213H		1.16	
2	9.275	9.275	0.000	131202082H		1.17	
2	10.494	10.495	-0.001	96147636H		1.17	
2	10.870	10.871	-0.001	241293668H		1.26	
2	11.398	11.399	-0.001	126279618H		1.23	
		Average of Peak Amounts =				1.20	
						RPD = 4.56	
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.892	10.897	-0.006	150915765H	0.1000	0.1000	
2	12.231	12.232	-0.001	243347268H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.483	11.488	-0.005	24434930H	0.0200	0.0201	
2	12.946	12.947	-0.001	33400699H	0.0200	0.0188	
						RPD = 6.23	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:06:49 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

Injection Date: 10-Aug-2022 13:12:14 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-G MS

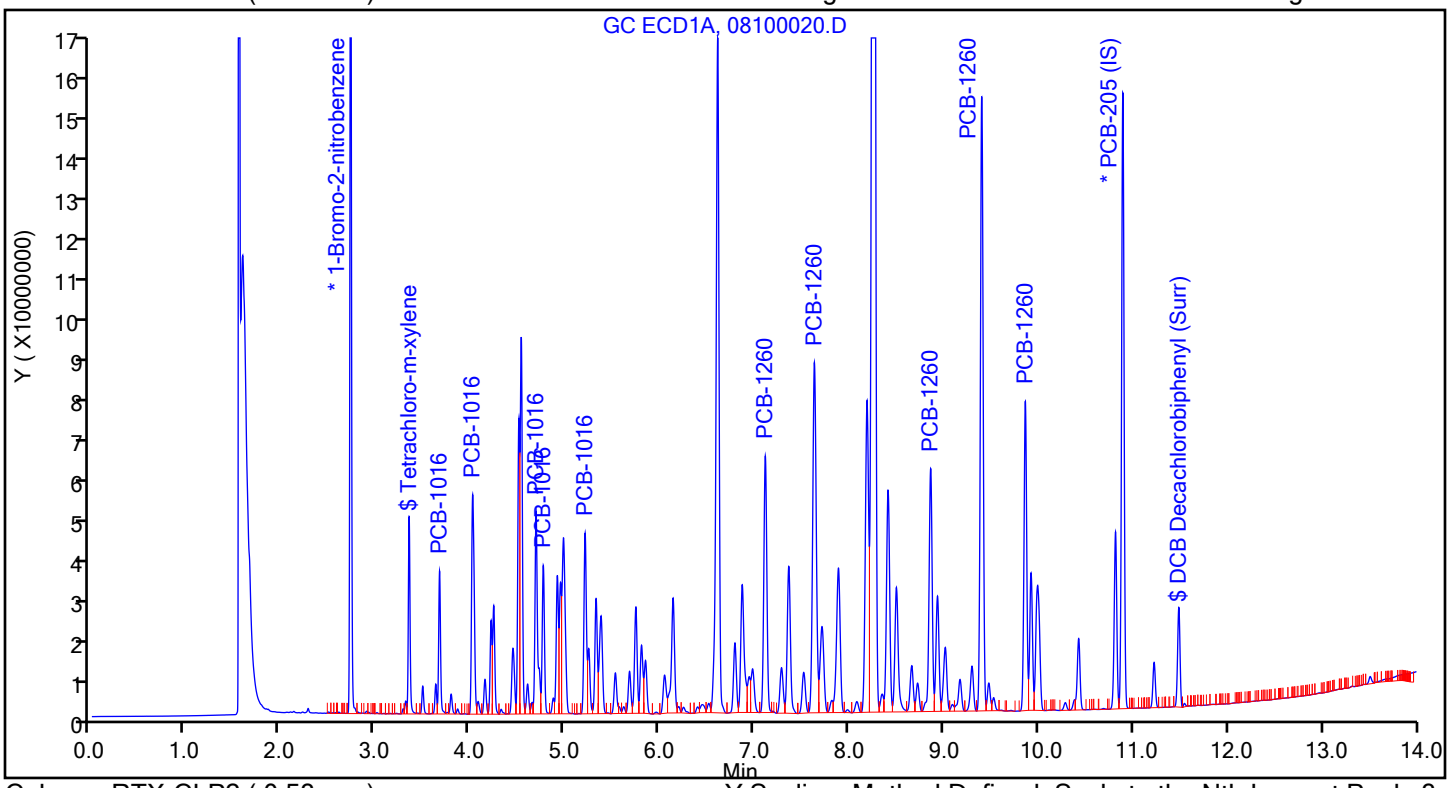
Client ID:

Operator ID: 402331 ALS Bottle#: 20 Worklist Smp#: 20

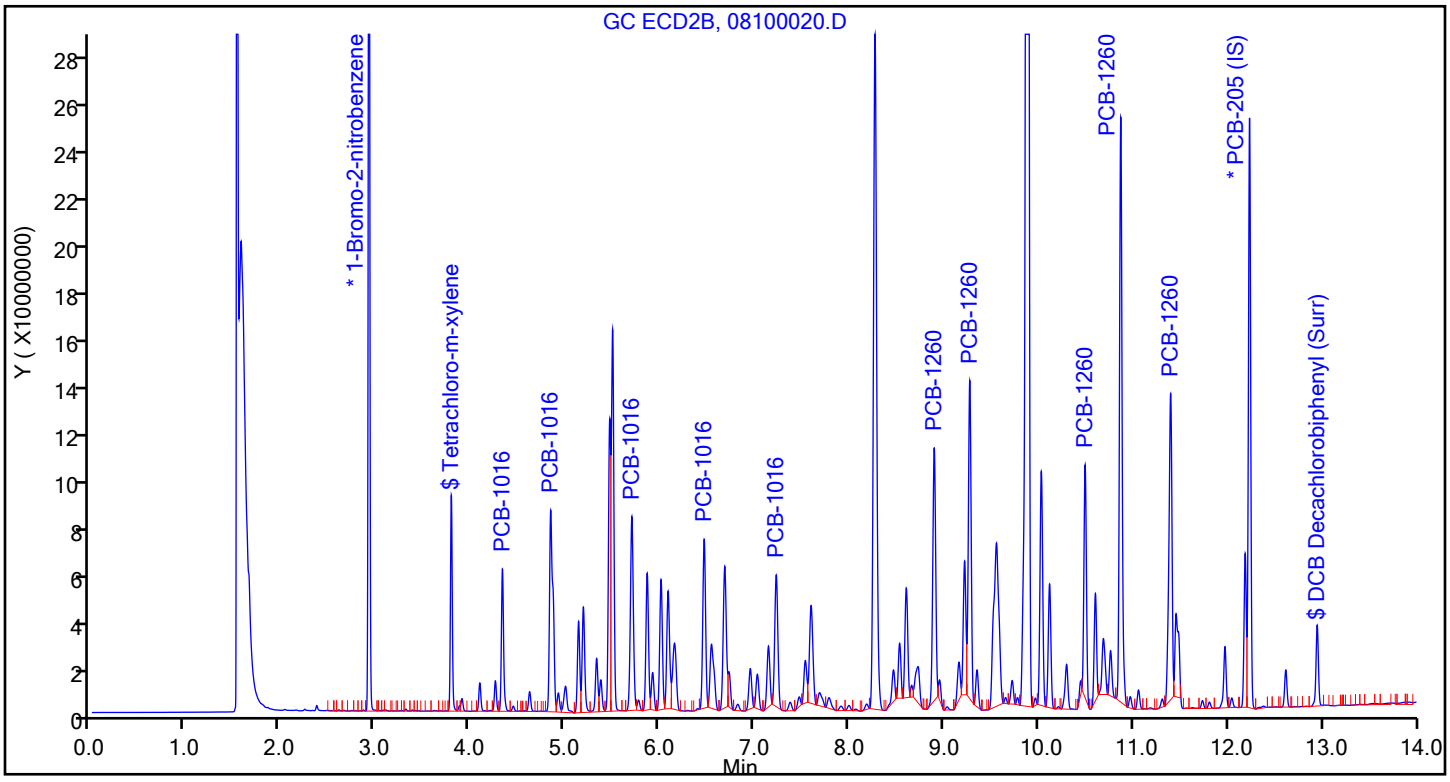
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D
Lims ID: 180-142292-E-2-G MS
Client ID:
Sample Type: MS
Inject. Date: 10-Aug-2022 13:12:14 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-020
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:02:54

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0219	109.40
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0201	100.29

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0203	101.67
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0188	94.23

Report Date: 10-Aug-2022 14:06:49 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

Injection Date: 10-Aug-2022 13:12:14 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-G MS

Client ID:

Operator ID: 402331 ALS Bottle#: 20 Worklist Smp#: 20

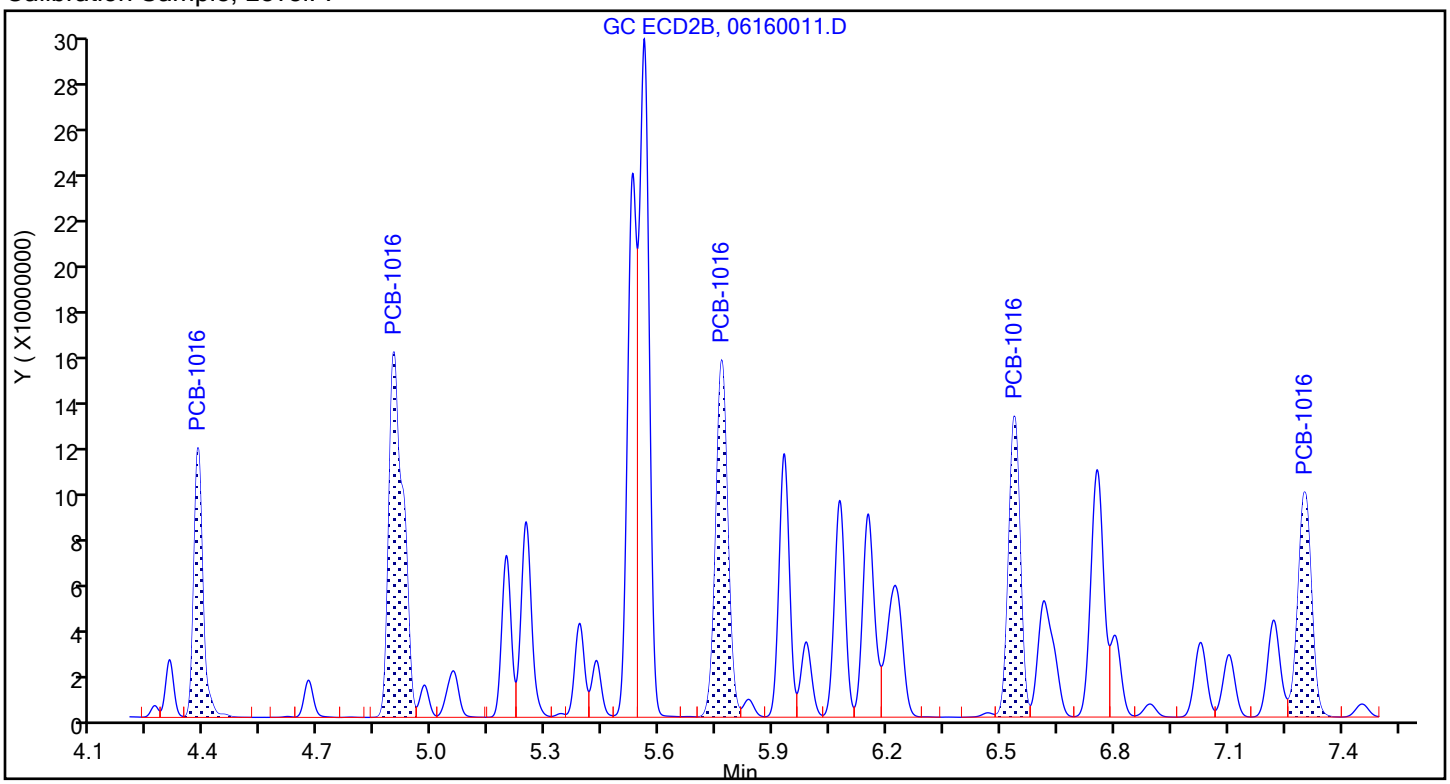
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

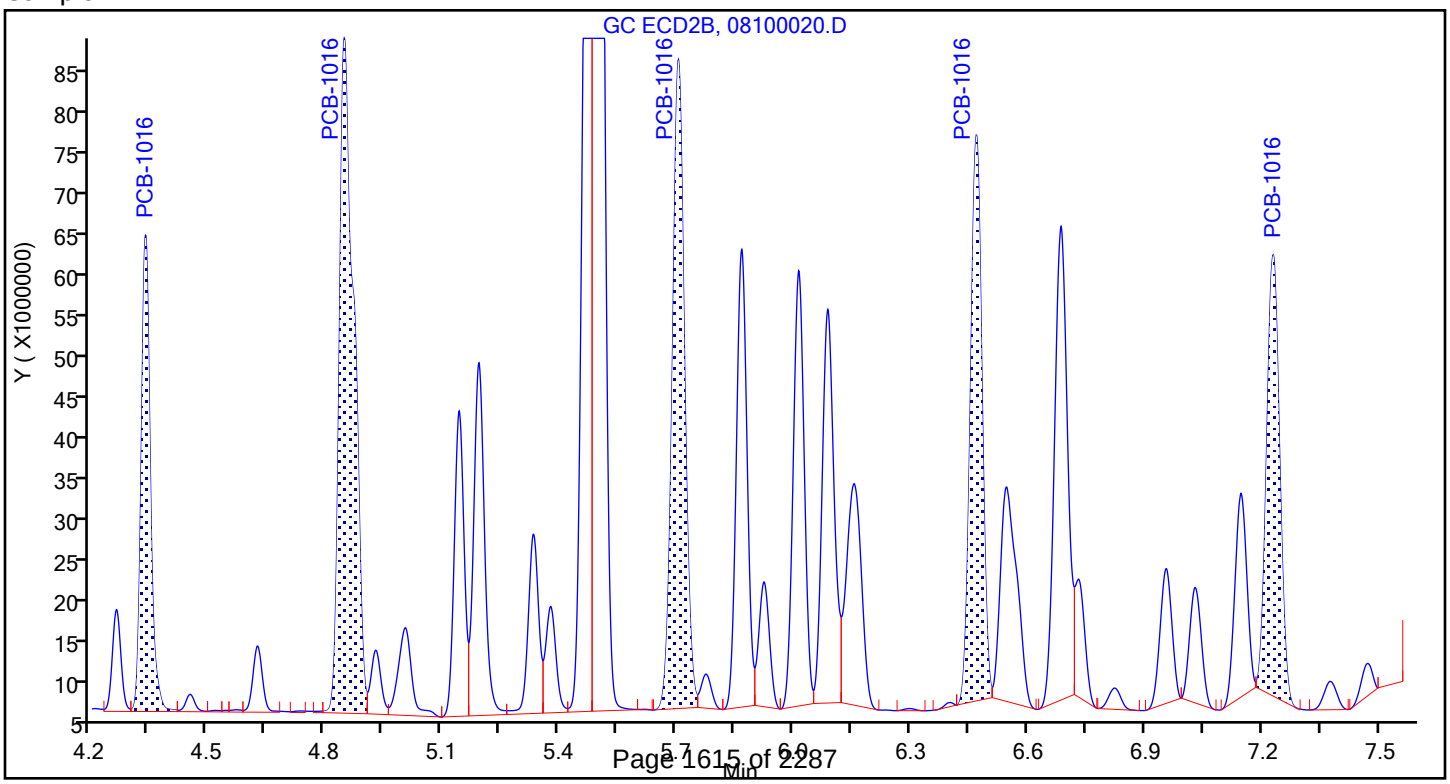
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Aug-2022 14:06:49 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100020.D

Injection Date: 10-Aug-2022 13:12:14 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-G MS

Client ID:

Operator ID: 402331 ALS Bottle#: 20 Worklist Smp#: 20

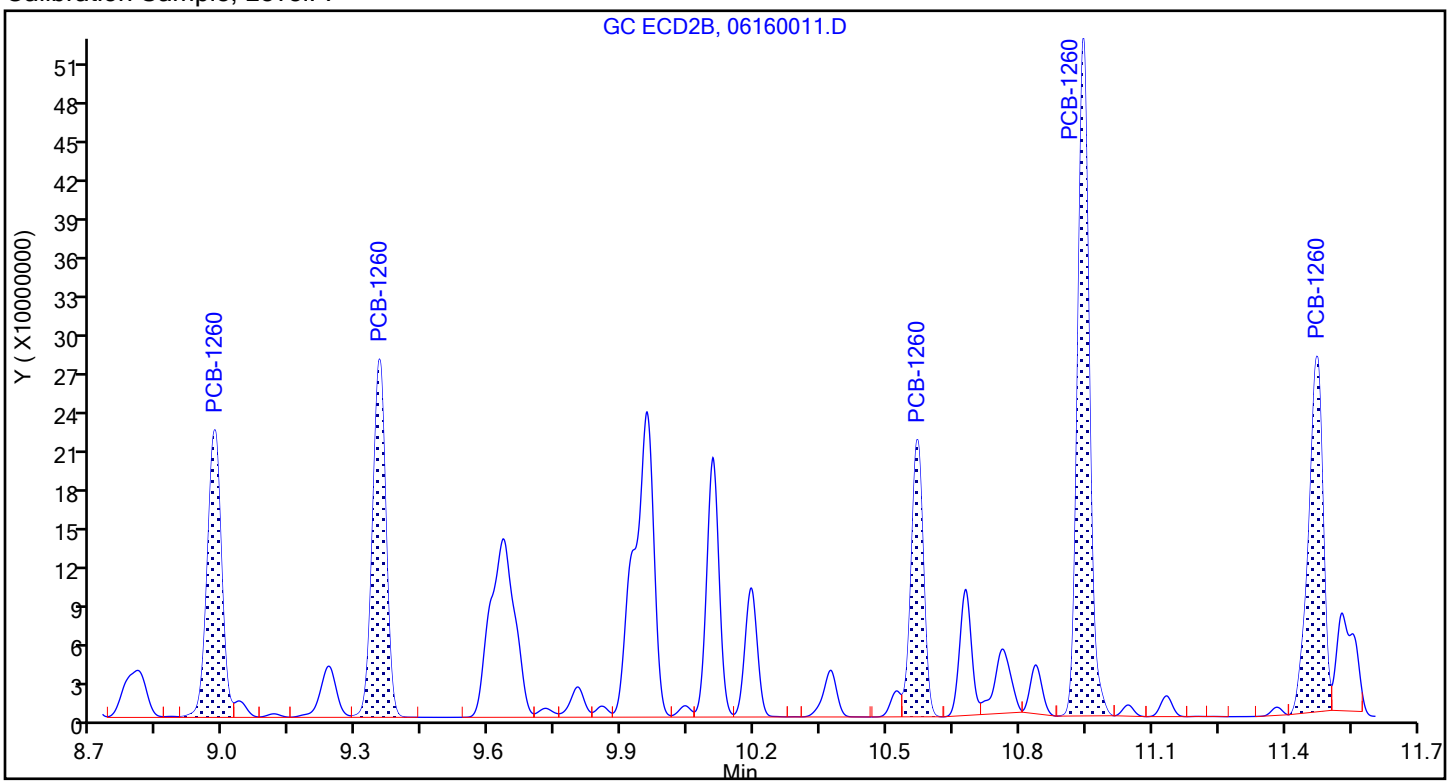
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

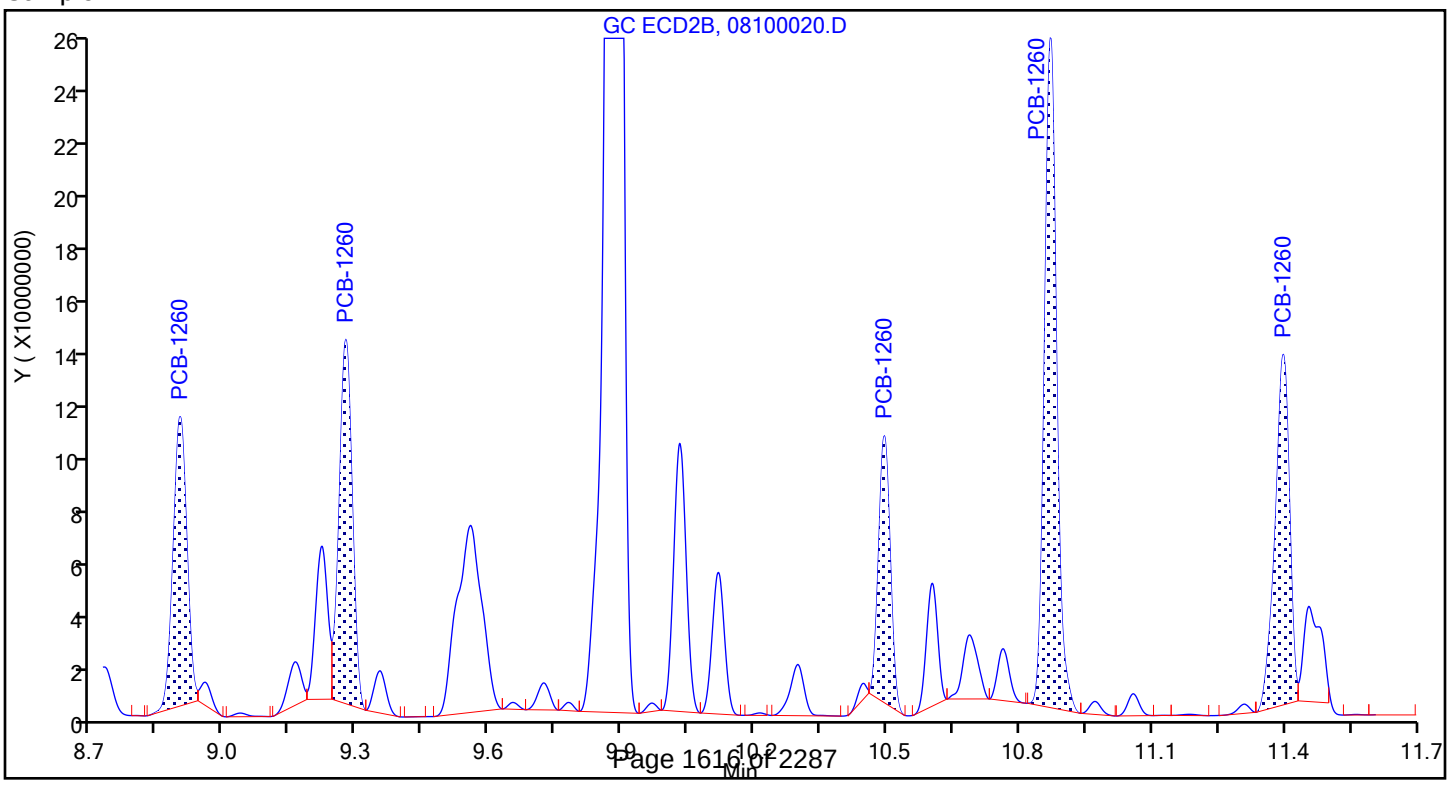
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MSD Lab Sample ID: 180-142292-2 MSD

Matrix: Solid Lab File ID: 08100021.D

Analysis Method: EPA 8082A Date Collected: 07/27/2022 09:00

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.47(g) Date Analyzed: 08/10/2022 13:31

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1300		17	5.6
11104-28-2	PCB-1221	ND		17	6.1
11141-16-5	PCB-1232	ND		17	4.2
53469-21-9	PCB-1242	ND		17	2.5
12672-29-6	PCB-1248	ND		17	4.1
11097-69-1	PCB-1254	ND		17	5.2
11096-82-5	PCB-1260	1300		17	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	96		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	87		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D
Lims ID: 180-142292-E-2-H MSD
Client ID:
Sample Type: MSD
Inject. Date: 10-Aug-2022 13:31:00 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-021
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:03:27

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
*	1	1-Bromo-2-nitrobenzene						
	1	2.735	2.736	-0.001	227722839H	0.1000	0.1000	
	2	2.928	2.928	-0.001	460274750H	0.1000	0.1000	
	3	PCB-1221						U
	1		2.900				ND	
	1		3.493					
	1		3.671					
	2		3.314					
	2		4.095					
	2		4.333					
$	2	Tetrachloro-m-xylene						
	1	3.353	3.355	-0.002	41052636H	0.0200	0.0193	
	2	3.798	3.799	-0.001	76593069H	0.0200	0.0182	
							RPD = 5.70	
	4	PCB-1232						U
	1		3.496				ND	
	1		3.673					
	1		4.024					
	1		4.693					
	1		5.211					
	2		4.098					
	2		4.336					
	2		4.846					
	2		6.467					
	2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6 PCB-1242							U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5 PCB-1016							
1	3.674	3.675	-0.001	29402058H		0.8576	
1	4.025	4.026	-0.001	44453827H		0.9177	
1	4.694	4.695	-0.001	41171472H		0.9090	
1	4.771	4.773	-0.002	30502828H		0.99	
1	5.213	5.214	-0.001	37522403H		1.06	
		Average of Peak Amounts =				0.9471	
2	4.338	4.339	-0.001	49987664H		0.8700	
2	4.848	4.849	-0.001	70385019H		0.8814	
2	5.705	5.706	-0.001	67754097H		0.9167	
2	6.468	6.470	-0.002	59302271H		0.9665	
2	7.229	7.231	-0.002	45449032H		0.9854	
		Average of Peak Amounts =				0.9240	
						RPD = 2.47	
7 PCB-1248							U
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8 PCB-1254							U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							
1	7.117	7.119	-0.002	53575329H		0.9201	
1	7.636	7.638	-0.002	73134047H		0.9491	
1	8.864	8.867	-0.003	52316374H		0.9471	
1	9.405	9.407	-0.002	131448698H		0.99	
1	9.864	9.866	-0.002	64966396H		0.9126	
		Average of Peak Amounts =				0.9442	
2	8.899	8.901	-0.002	90533248H		0.99	
2	9.275	9.275	0.000	113853879H		1.00	
2	10.494	10.495	-0.001	83838806H		1.00	
2	10.871	10.871	0.000	208313960H		1.07	
2	11.398	11.399	-0.001	108419437H		1.04	
		Average of Peak Amounts =				1.02	
						RPD = 7.93	
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.895	10.897	-0.002	158088804H	0.1000	0.1000	
2	12.231	12.232	-0.002	247290398H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.487	11.488	-0.001	22154261H	0.0200	0.0174	
2	12.946	12.947	-0.001	29618822H	0.0200	0.0164	
						RPD = 5.41	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:06:46 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date: 10-Aug-2022 13:31:00 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-H MSD

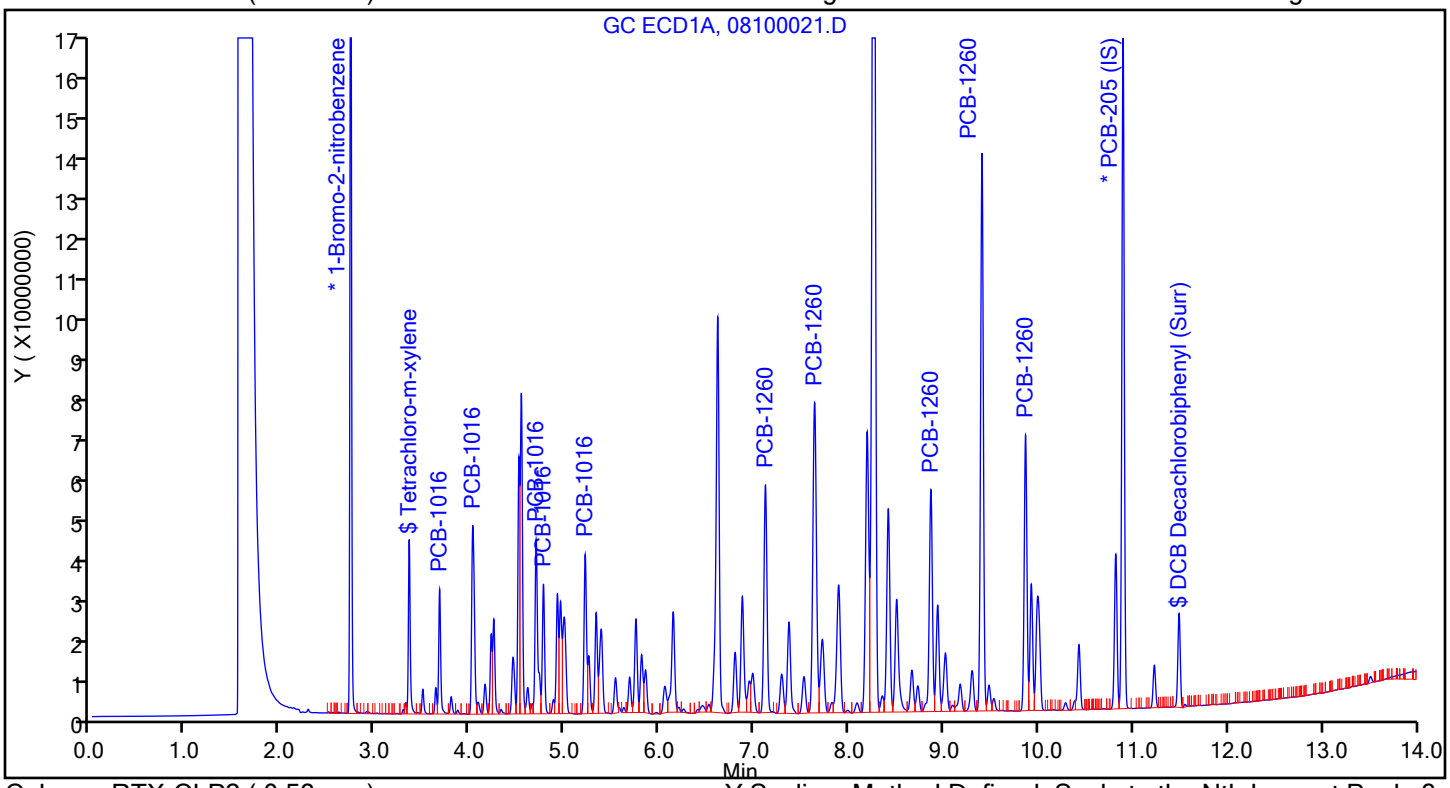
Client ID:

Operator ID: 402331 ALS Bottle#: 21 Worklist Smp#: 21

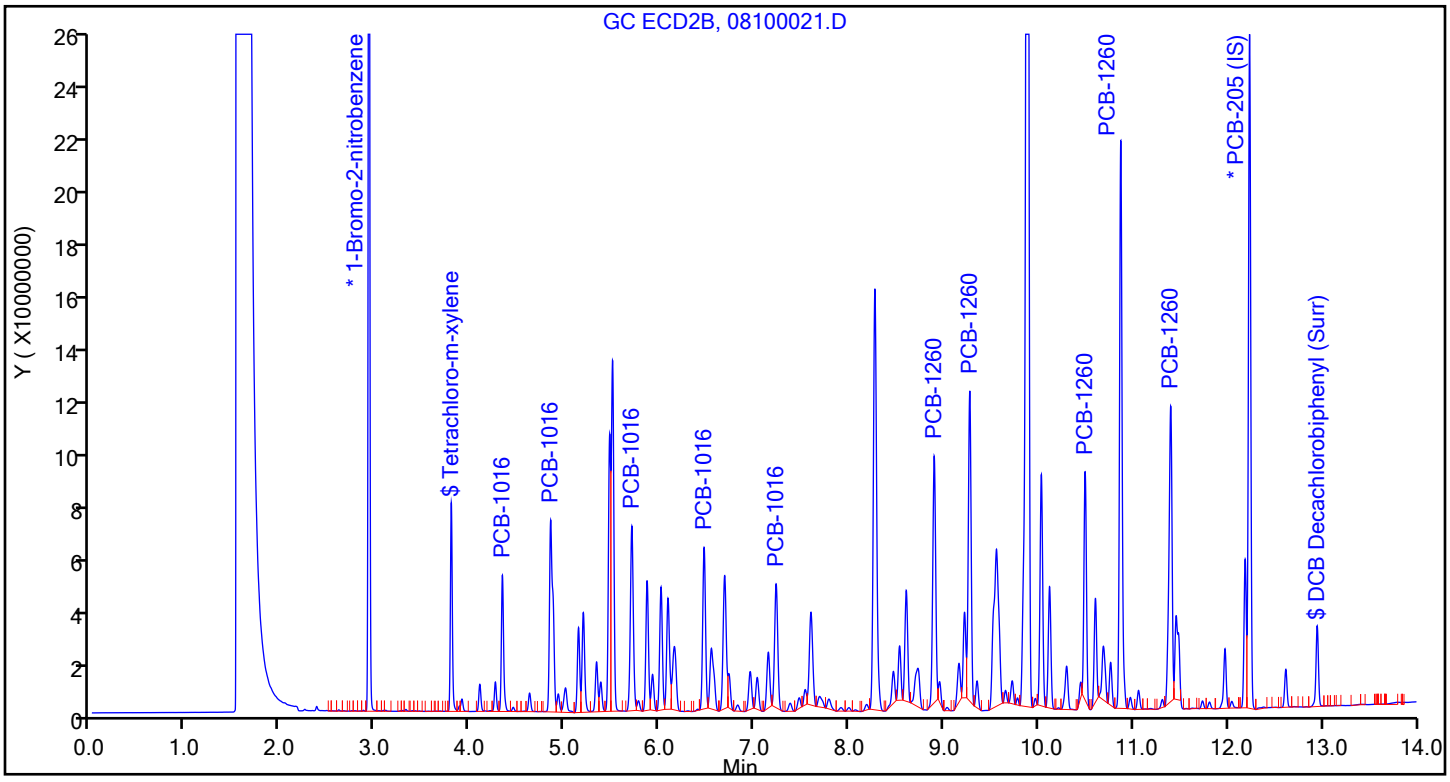
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D
Lims ID: 180-142292-E-2-H MSD
Client ID:
Sample Type: MSD
Inject. Date: 10-Aug-2022 13:31:00 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-021
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:03:27

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0193	96.38
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0174	86.80

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0182	91.04
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0164	82.23

Report Date: 10-Aug-2022 14:06:46 Chrom Revision: 2.3 08-Aug-2022 16:03:06

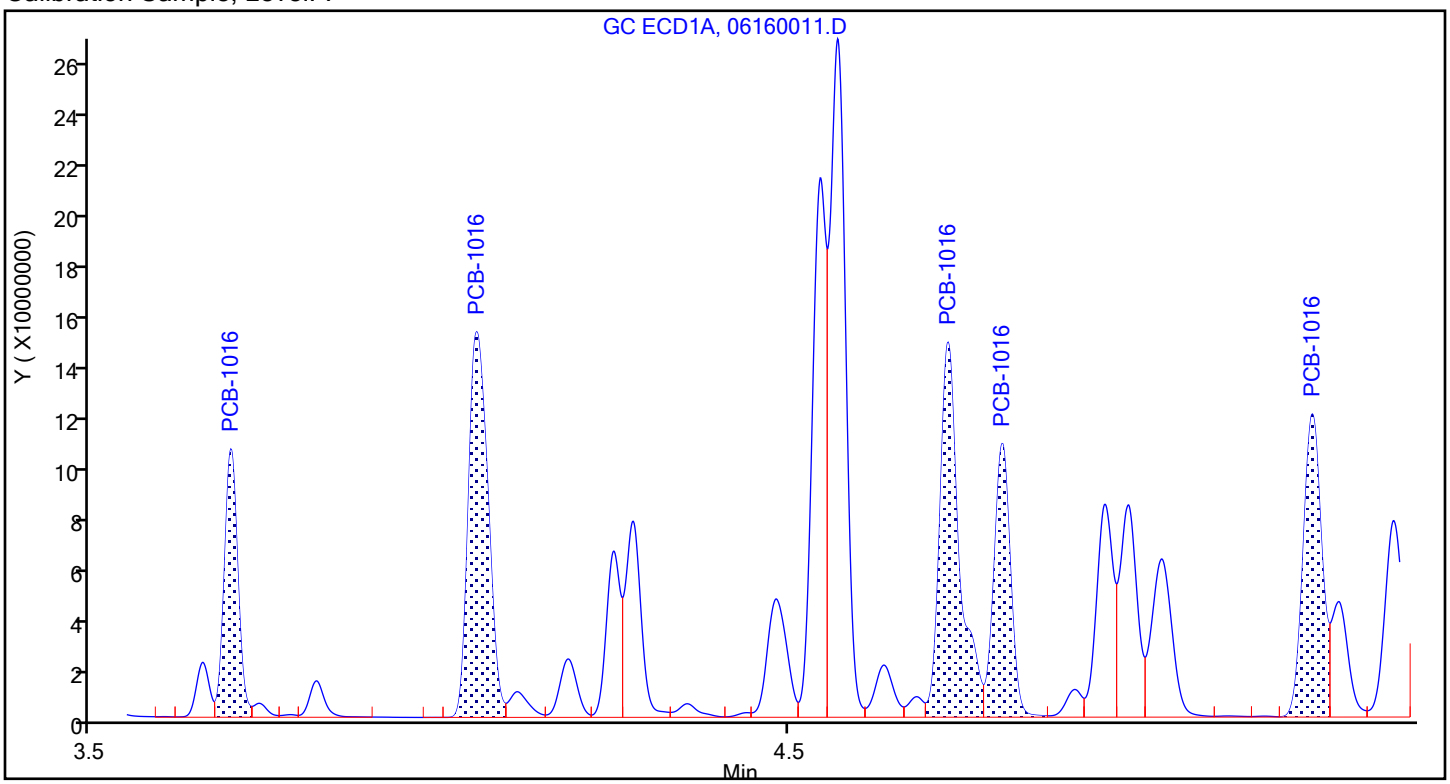
Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date:	10-Aug-2022 13:31:00	Instrument ID:	CHGC20		
Lims ID:	180-142292-E-2-H MSD				
Client ID:					
Operator ID:	402331	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC20	Limit Group:	GCS 8082A ICAL with IS		
Column:	RTX-CLP1 (0.53 mm)	Detector	GC ECD1A		

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



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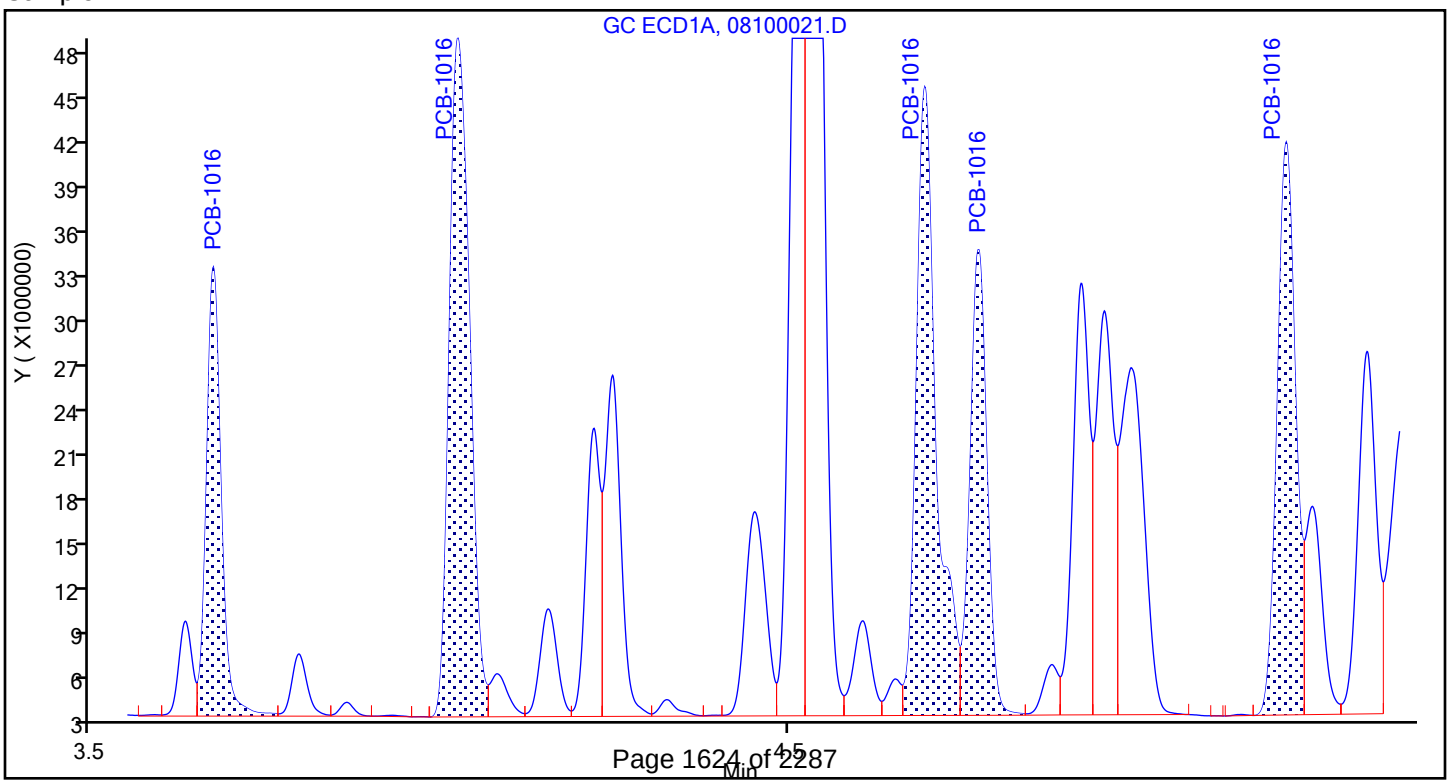


Report Date: 10-Aug-2022 14:06:46 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date: 10-Aug-2022 13:31:00 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-H MSD

Client ID:

Operator ID: 402331 ALS Bottle#: 21 Worklist Smp#: 21

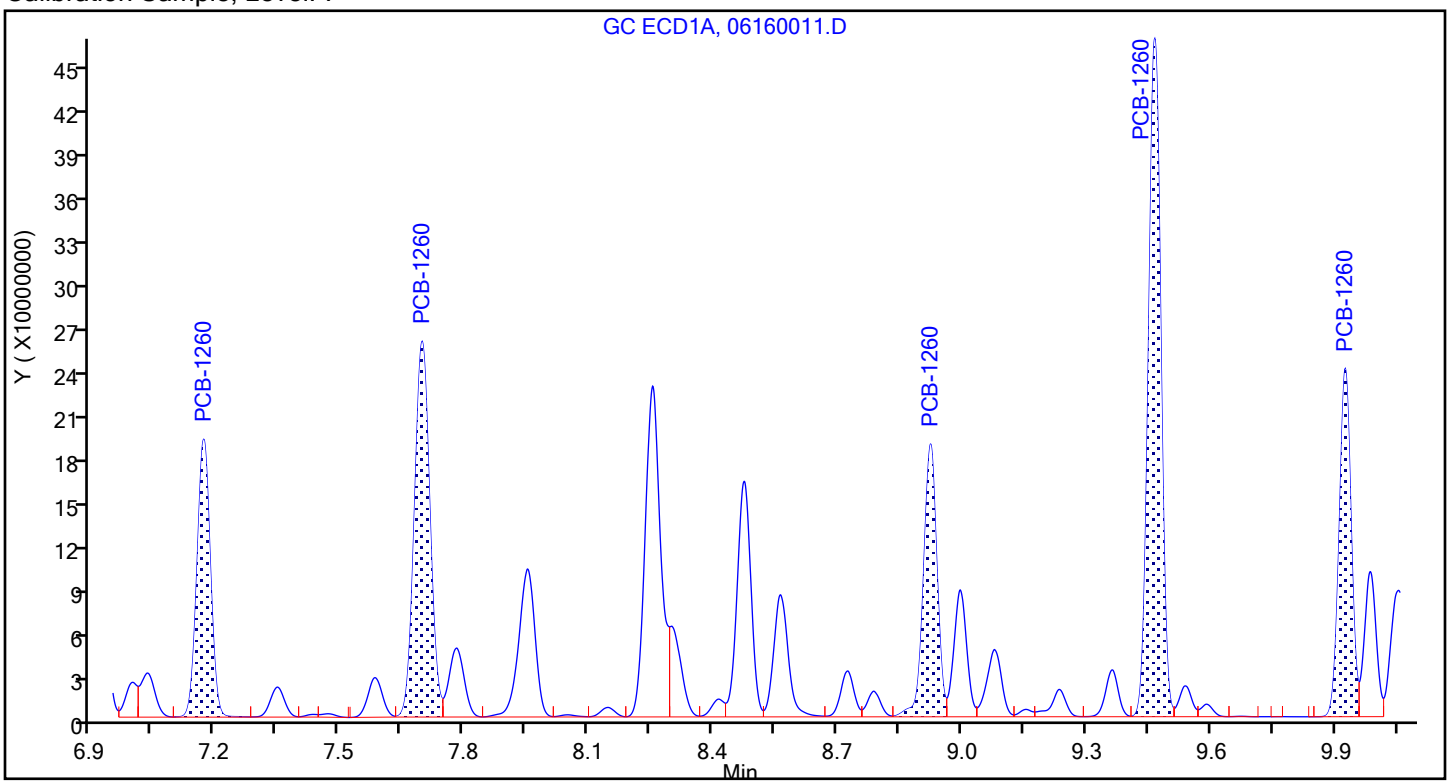
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

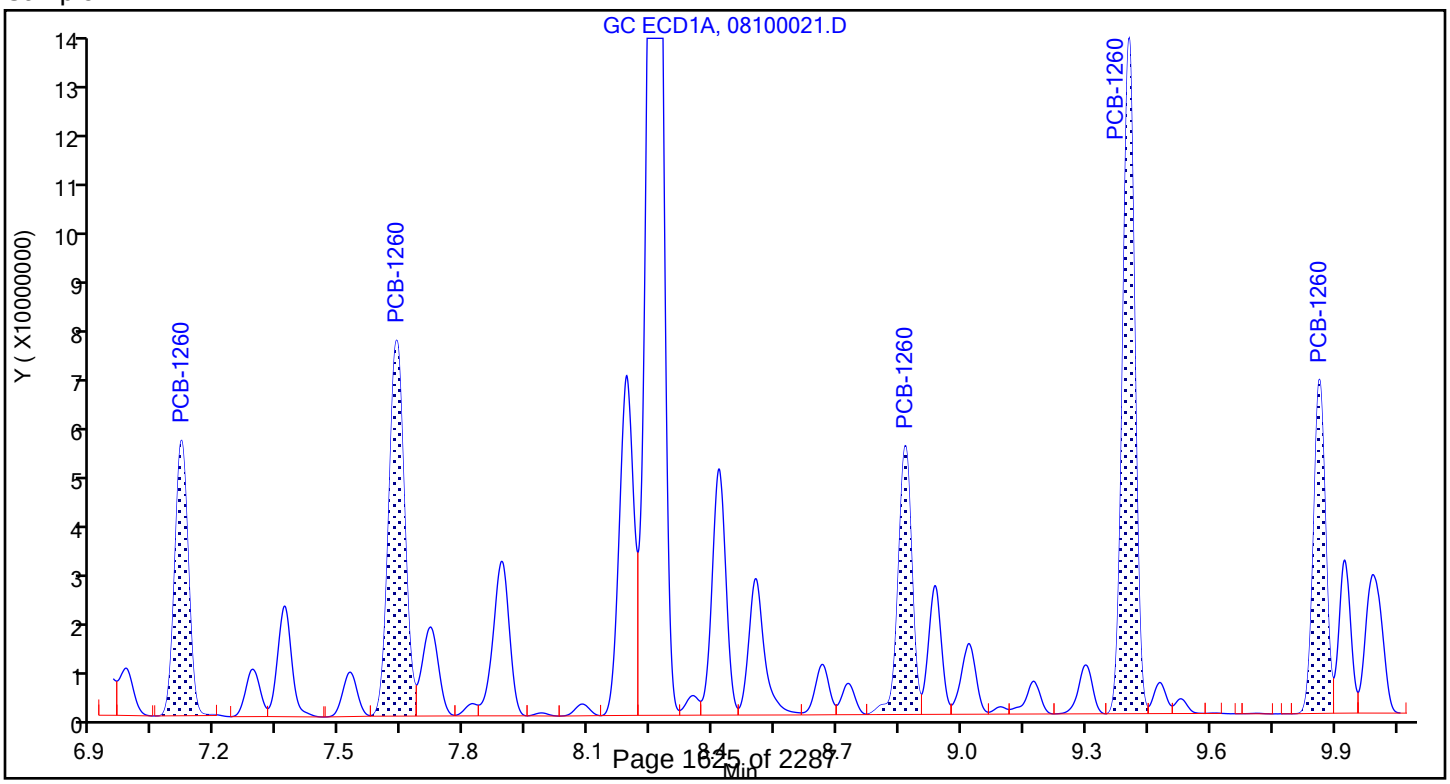
Column: RTX-CLP1 (0.53 mm) Detector GC ECD1A

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 MSD Lab Sample ID: 180-142292-2 MSD

Matrix: Solid Lab File ID: 08100021.D

Analysis Method: EPA 8082A Date Collected: 07/27/2022 09:00

Extraction Method: 3541 Date Extracted: 08/08/2022 13:32

Sample wt/vol: 15.47(g) Date Analyzed: 08/10/2022 13:31

Con. Extract Vol.: 20.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: 6.0 % Solids: 94.0 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408111 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	91		55-135
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		63-138

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D
Lims ID: 180-142292-E-2-H MSD
Client ID:
Sample Type: MSD
Inject. Date: 10-Aug-2022 13:31:00 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-021
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:03:27

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
*	1	1-Bromo-2-nitrobenzene						
	1	2.735	2.736	-0.001	227722839H	0.1000	0.1000	
	2	2.928	2.928	-0.001	460274750H	0.1000	0.1000	
	3	PCB-1221						U
	1		2.900				ND	
	1		3.493					
	1		3.671					
	2		3.314					
	2		4.095					
	2		4.333					
$	2	Tetrachloro-m-xylene						
	1	3.353	3.355	-0.002	41052636H	0.0200	0.0193	
	2	3.798	3.799	-0.001	76593069H	0.0200	0.0182	
							RPD = 5.70	
	4	PCB-1232						U
	1		3.496				ND	
	1		3.673					
	1		4.024					
	1		4.693					
	1		5.211					
	2		4.098					
	2		4.336					
	2		4.846					
	2		6.467					
	2		7.231					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
6 PCB-1242							U
1		3.673				ND	
1		4.023					
1		4.693					
1		5.212					
1		5.852					
2		4.337					
2		4.847					
2		5.704					
2		7.237					
2		7.684					
5 PCB-1016							
1	3.674	3.675	-0.001	29402058H		0.8576	
1	4.025	4.026	-0.001	44453827H		0.9177	
1	4.694	4.695	-0.001	41171472H		0.9090	
1	4.771	4.773	-0.002	30502828H		0.99	
1	5.213	5.214	-0.001	37522403H		1.06	
		Average of Peak Amounts =				0.9471	
2	4.338	4.339	-0.001	49987664H		0.8700	
2	4.848	4.849	-0.001	70385019H		0.8814	
2	5.705	5.706	-0.001	67754097H		0.9167	
2	6.468	6.470	-0.002	59302271H		0.9665	
2	7.229	7.231	-0.002	45449032H		0.9854	
		Average of Peak Amounts =				0.9240	
						RPD = 2.47	
7 PCB-1248							U
1		4.023				ND	
1		4.920					
1		5.213					
1		5.809					
1		6.797					
2		4.847					
2		6.012					
2		6.469					
2		7.236					
2		7.686					
8 PCB-1254							U
1		5.744				ND	
1		6.137					
1		6.792					
1		7.282					
1		8.188					
2		7.223					
2		7.588					
2		8.529					
2		8.953					
2		9.880					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1262							U
1		7.115				ND	
1		8.414					
1		9.403					
1		9.864					
1		9.990					
2		9.271					
2		10.028					
2		10.492					
2		10.868					
2		11.391					
10 PCB-1260							
1	7.117	7.119	-0.002	53575329H		0.9201	
1	7.636	7.638	-0.002	73134047H		0.9491	
1	8.864	8.867	-0.003	52316374H		0.9471	
1	9.405	9.407	-0.002	131448698H		0.99	
1	9.864	9.866	-0.002	64966396H		0.9126	
		Average of Peak Amounts =				0.9442	
2	8.899	8.901	-0.002	90533248H		0.99	
2	9.275	9.275	0.000	113853879H		1.00	
2	10.494	10.495	-0.001	83838806H		1.00	
2	10.871	10.871	0.000	208313960H		1.07	
2	11.398	11.399	-0.001	108419437H		1.04	
		Average of Peak Amounts =				1.02	
						RPD = 7.93	
11 PCB-1268							U
1		9.926				ND	
1		9.987					
1		10.287					
1		11.226					
2		11.390					
2		11.455					
2		11.807					
2		12.615					
* 12 PCB-205 (IS)							
1	10.895	10.897	-0.002	158088804H	0.1000	0.1000	
2	12.231	12.232	-0.002	247290398H	0.1000	0.1000	
$ 13 DCB Decachlorobiphenyl (Surr)							
1	11.487	11.488	-0.001	22154261H	0.0200	0.0174	
2	12.946	12.947	-0.001	29618822H	0.0200	0.0164	
						RPD = 5.41	
15 1260 Res 3							
1		0.000				ND	
2		0.000					
16 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Reagents:

PCBINT_00021	Amount Added:	0.01	Units: mL	Run Reagent

Report Date: 10-Aug-2022 14:06:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date: 10-Aug-2022 13:31:00 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-H MSD

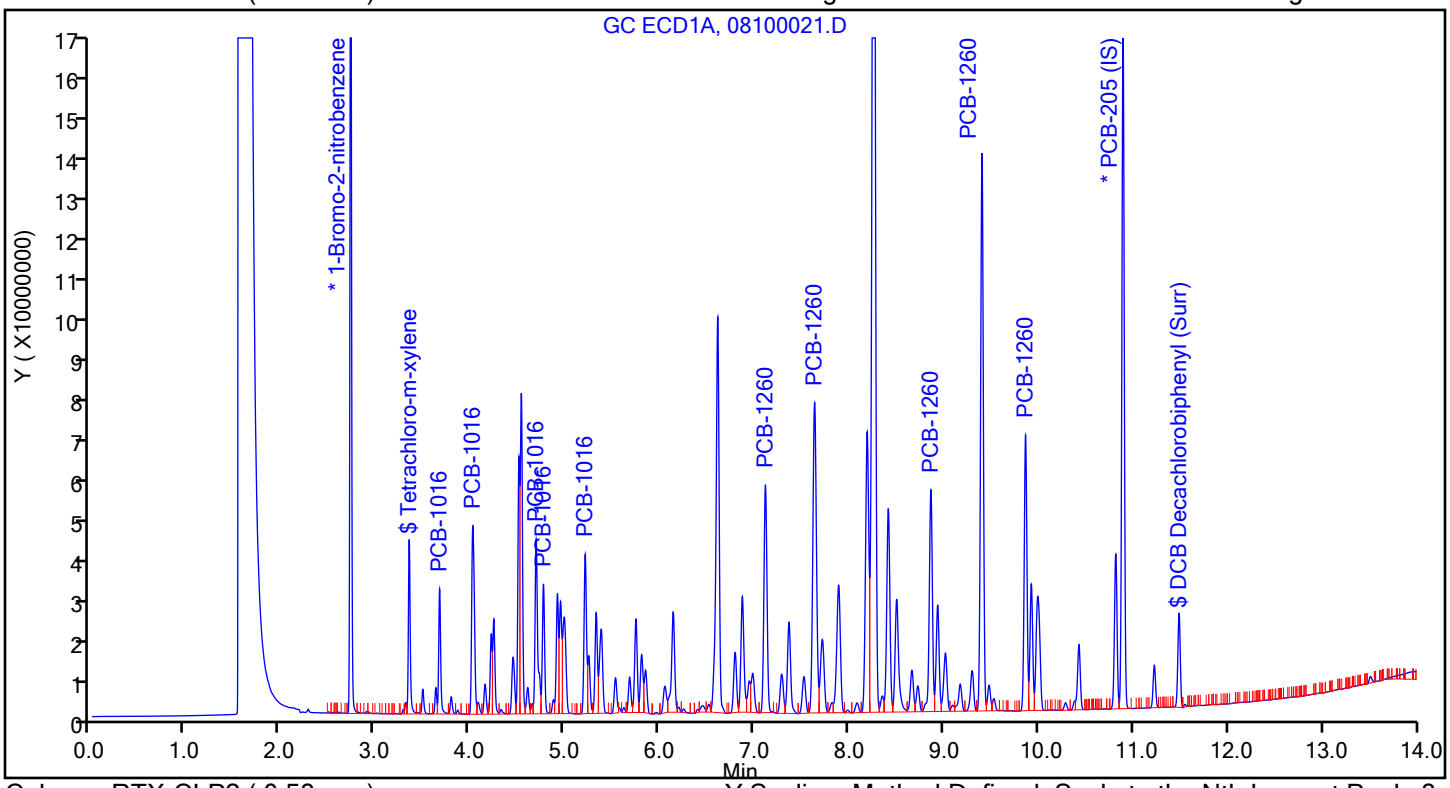
Client ID:

Operator ID: 402331 ALS Bottle#: 21 Worklist Smp#: 21

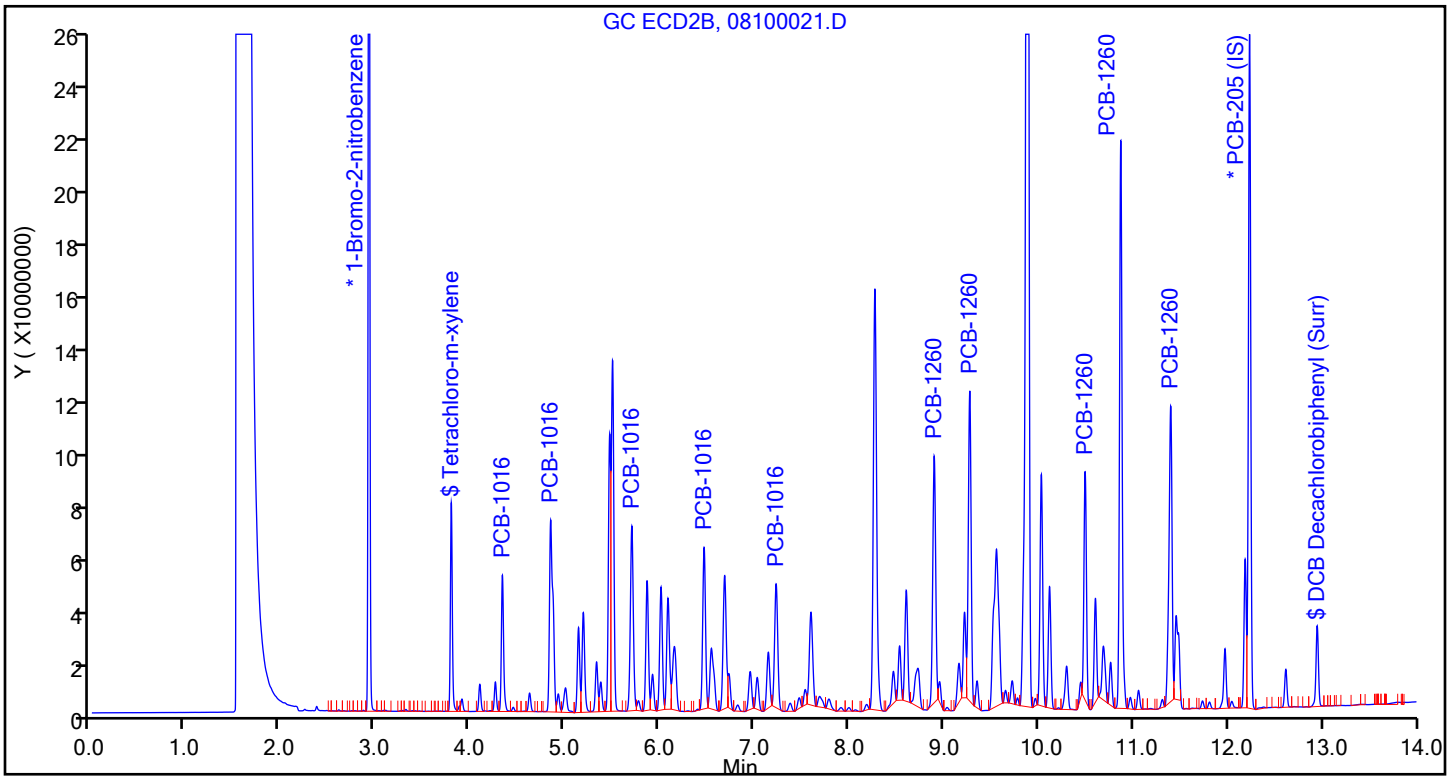
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

Column: RTX-CLP1 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Column: RTX-CLP2 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 3



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D
Lims ID: 180-142292-E-2-H MSD
Client ID:
Sample Type: MSD
Inject. Date: 10-Aug-2022 13:31:00 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044159-021
Operator ID: 402331 Instrument ID: CHGC20

Method: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\IS PCB_CHGC20.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 10-Aug-2022 14:06:27 Calib Date: 16-Jun-2022 11:03:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220616-43341.b\06160011.D

Column 1 : RTX-CLP1 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-CLP2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: Q9YL Date: 10-Aug-2022 14:03:27

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0193	96.38
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0174	86.80

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0182	91.04
$ 13 DCB Decachlorobiphenyl (Surr)	0.0200	0.0164	82.23

Report Date: 10-Aug-2022 14:06:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date: 10-Aug-2022 13:31:00 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-H MSD

Client ID:

Operator ID: 402331 ALS Bottle#: 21 Worklist Smp#: 21

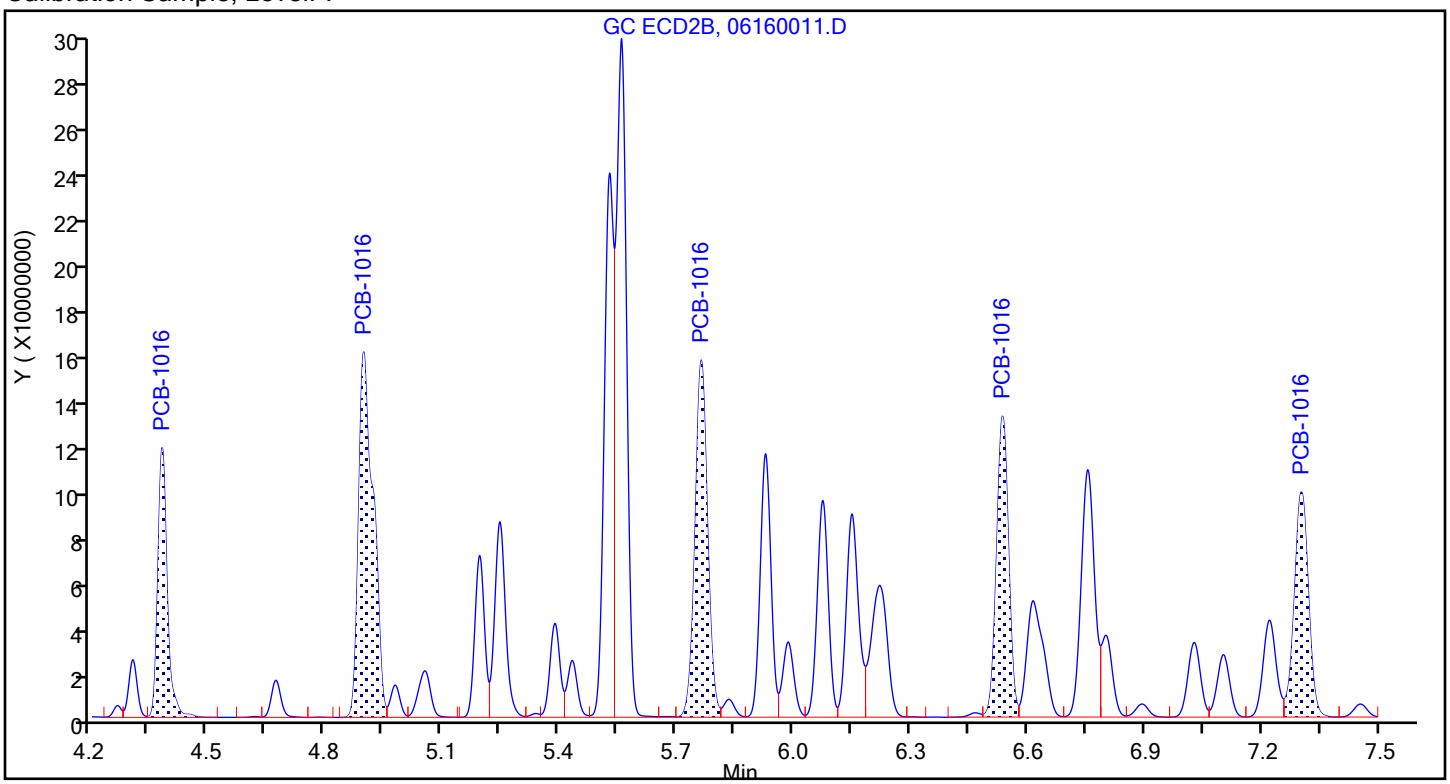
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

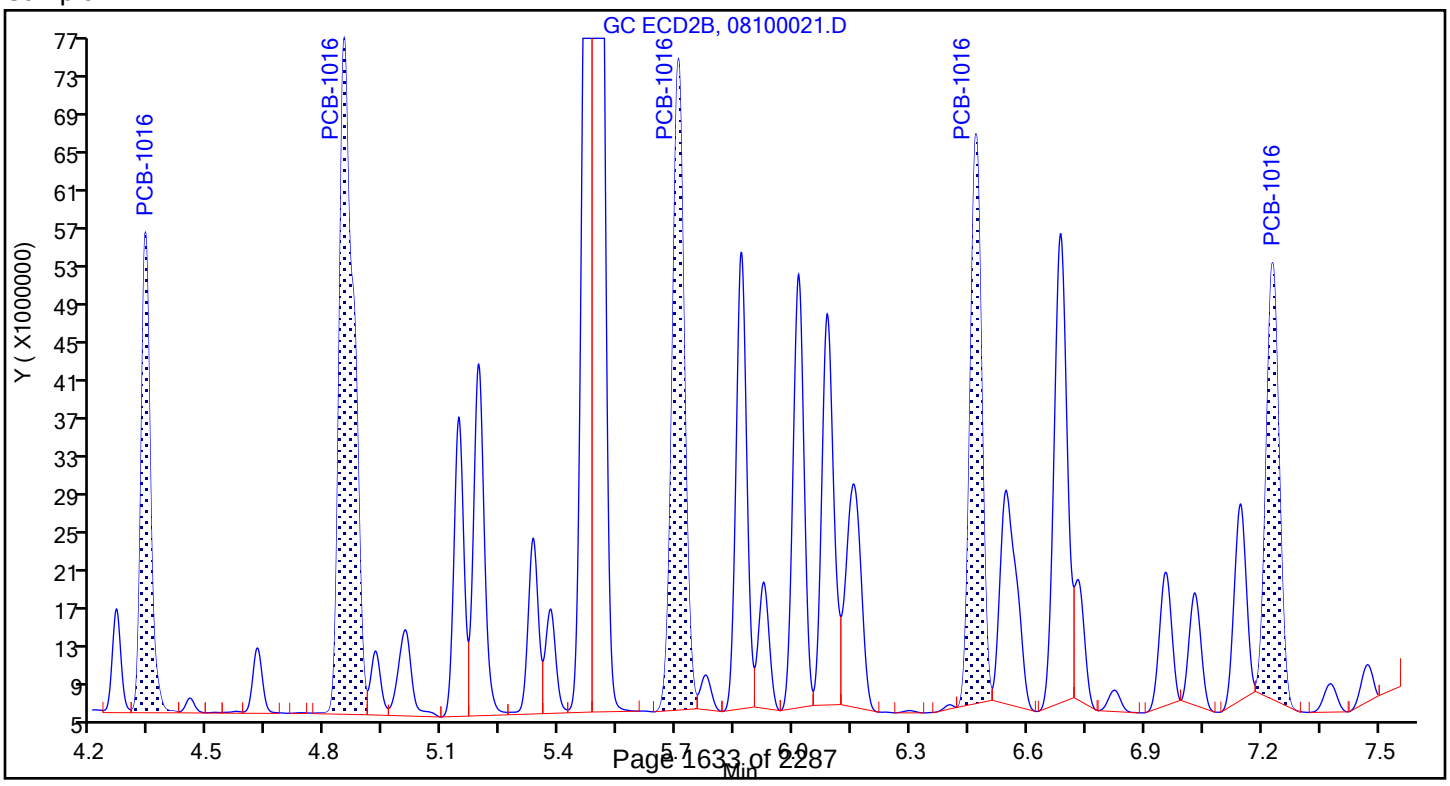
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Aug-2022 14:06:47 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHGC20\20220810-44159.b\08100021.D

Injection Date: 10-Aug-2022 13:31:00 Instrument ID: CHGC20

Lims ID: 180-142292-E-2-H MSD

Client ID:

Operator ID: 402331 ALS Bottle#: 21 Worklist Smp#: 21

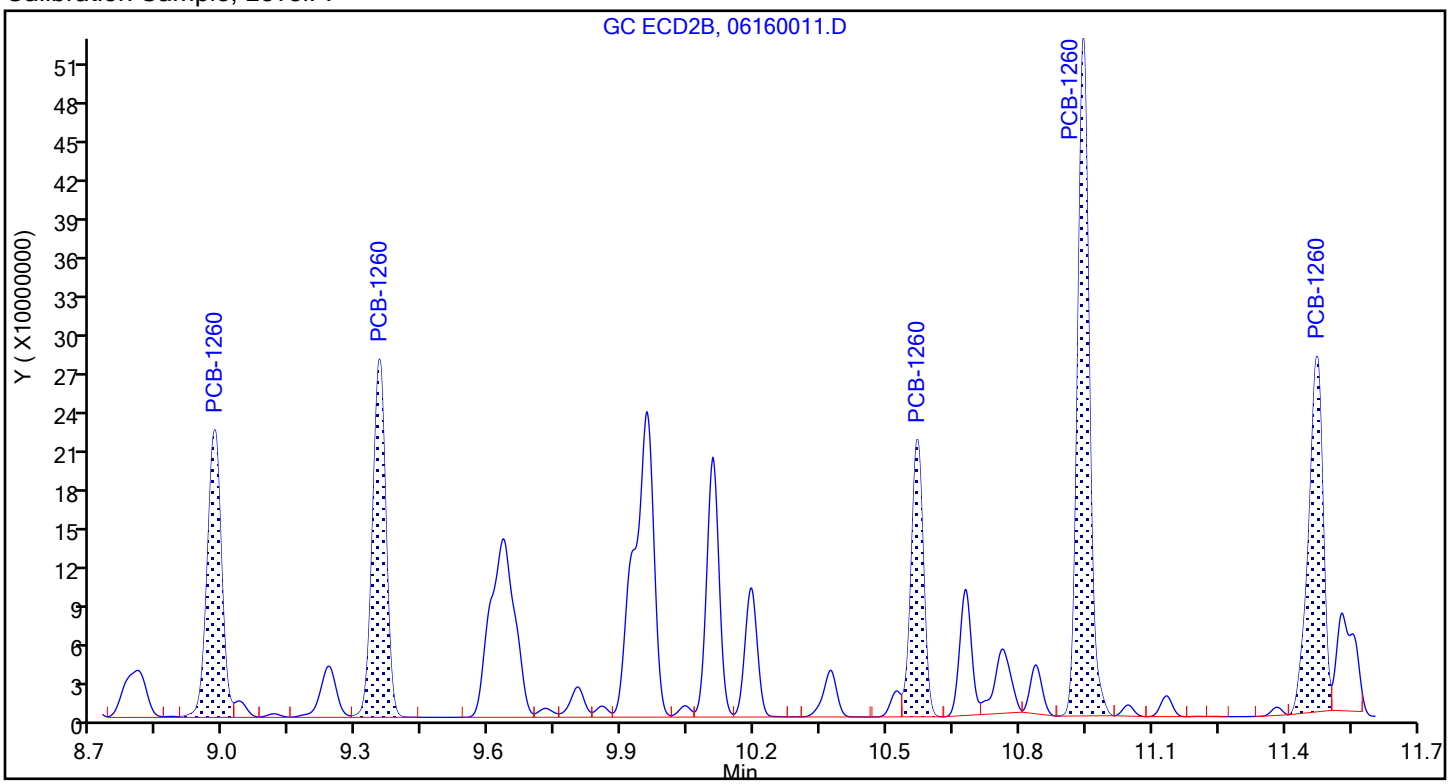
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC20 Limit Group: GCS 8082A ICAL with IS

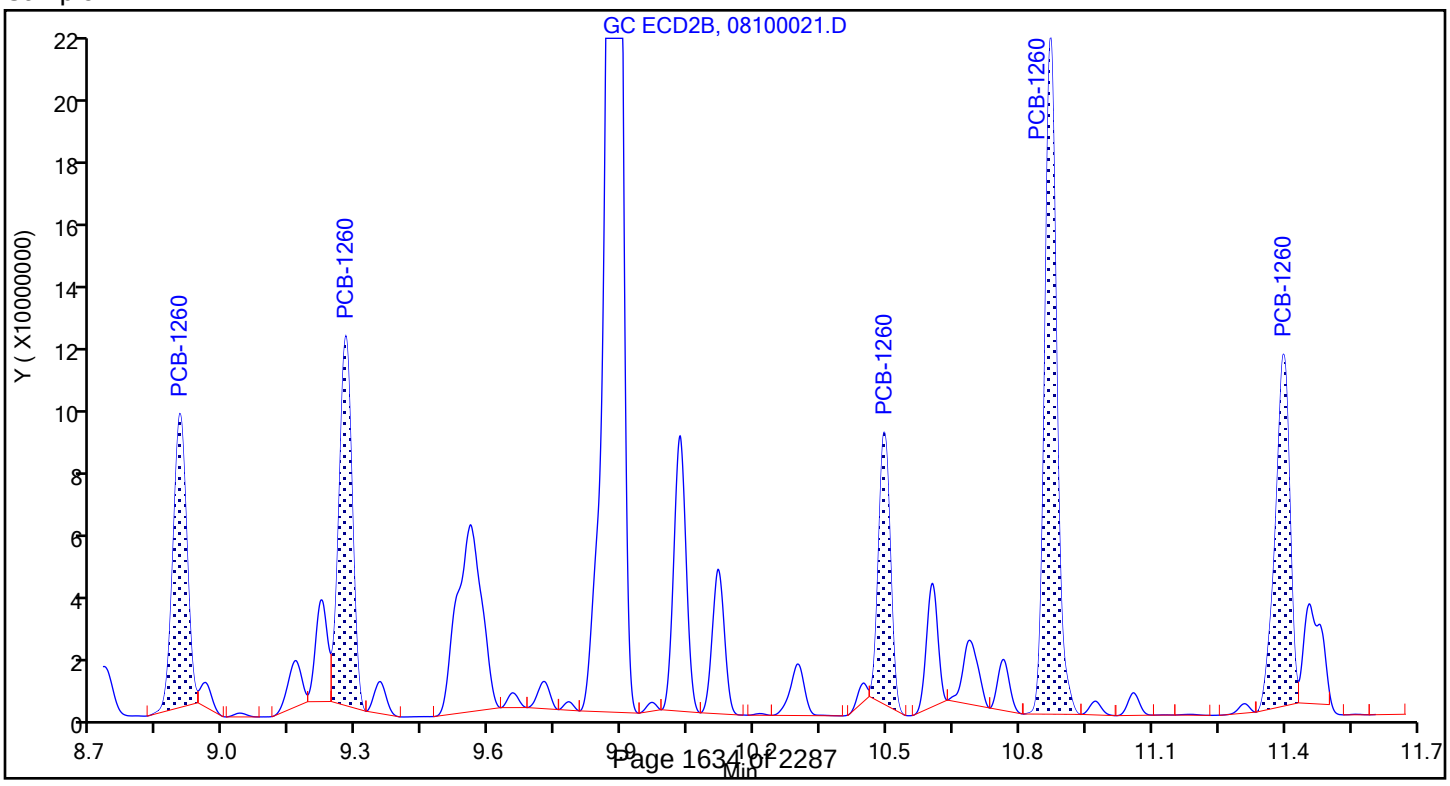
Column: RTX-CLP2 (0.53 mm) Detector GC ECD2B

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 06/16/2022 07:52

Analysis Batch Number: 402156 End Date: 06/17/2022 06:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-402156/1		06/16/2022 07:52	1	06160001.D	RTX-CLP1 0.53(mm)
IC 180-402156/1		06/16/2022 07:52	1	06160001.D	RTX-CLP2 0.53(mm)
IC 180-402156/2		06/16/2022 08:11	1	06160002.D	RTX-CLP1 0.53(mm)
IC 180-402156/2		06/16/2022 08:11	1	06160002.D	RTX-CLP2 0.53(mm)
IC 180-402156/3		06/16/2022 08:30	1	06160003.D	RTX-CLP1 0.53(mm)
IC 180-402156/3		06/16/2022 08:30	1	06160003.D	RTX-CLP2 0.53(mm)
IC 180-402156/4		06/16/2022 08:49	1	06160004.D	RTX-CLP1 0.53(mm)
IC 180-402156/4		06/16/2022 08:49	1	06160004.D	RTX-CLP2 0.53(mm)
IC 180-402156/5		06/16/2022 09:08	1	06160005.D	RTX-CLP1 0.53(mm)
IC 180-402156/5		06/16/2022 09:08	1	06160005.D	RTX-CLP2 0.53(mm)
IC 180-402156/6		06/16/2022 09:27	1	06160006.D	RTX-CLP1 0.53(mm)
IC 180-402156/6		06/16/2022 09:27	1	06160006.D	RTX-CLP2 0.53(mm)
IC 180-402156/7		06/16/2022 09:46	1	06160007.D	RTX-CLP1 0.53(mm)
IC 180-402156/7		06/16/2022 09:46	1	06160007.D	RTX-CLP2 0.53(mm)
ICIS 180-402156/8		06/16/2022 10:05	1	06160008.D	RTX-CLP1 0.53(mm)
ICIS 180-402156/8		06/16/2022 10:05	1	06160008.D	RTX-CLP2 0.53(mm)
IC 180-402156/9		06/16/2022 10:24	1	06160009.D	RTX-CLP1 0.53(mm)
IC 180-402156/9		06/16/2022 10:24	1	06160009.D	RTX-CLP2 0.53(mm)
IC 180-402156/10		06/16/2022 10:43	1	06160010.D	RTX-CLP1 0.53(mm)
IC 180-402156/10		06/16/2022 10:43	1	06160010.D	RTX-CLP2 0.53(mm)
IC 180-402156/11		06/16/2022 11:03	1	06160011.D	RTX-CLP1 0.53(mm)
IC 180-402156/11		06/16/2022 11:03	1	06160011.D	RTX-CLP2 0.53(mm)
ICV 180-402156/12		06/16/2022 11:22	1	06160012.D	RTX-CLP1 0.53(mm)
ICV 180-402156/12		06/16/2022 11:22	1	06160012.D	RTX-CLP2 0.53(mm)
ICV 180-402156/13		06/16/2022 11:41	1	06160013.D	RTX-CLP1 0.53(mm)
ICV 180-402156/13		06/16/2022 11:41	1	06160013.D	RTX-CLP2 0.53(mm)
ICV 180-402156/14		06/16/2022 12:00	1	06160014.D	RTX-CLP1 0.53(mm)
ICV 180-402156/14		06/16/2022 12:00	1	06160014.D	RTX-CLP2 0.53(mm)
ICV 180-402156/15		06/16/2022 12:20	1	06160015.D	RTX-CLP1 0.53(mm)
ICV 180-402156/15		06/16/2022 12:20	1	06160015.D	RTX-CLP2 0.53(mm)
ICV 180-402156/16		06/16/2022 12:39	1	06160016.D	RTX-CLP1 0.53(mm)
ICV 180-402156/16		06/16/2022 12:39	1	06160016.D	RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 12:58	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 12:58	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 13:17	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 13:17	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 13:37	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 13:37	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 13:54	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 13:54	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 14:14	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 14:14	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 14:33	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 14:33	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 14:52	1		RTX-CLP1 0.53(mm)

EPA 8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 06/16/2022 07:52

Analysis Batch Number: 402156 End Date: 06/17/2022 06:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/16/2022 14:52	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 15:11	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 15:11	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 15:30	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 15:30	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 15:50	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 15:50	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 16:09	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 16:09	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 16:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 16:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 16:46	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 16:46	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 17:05	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 17:05	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 17:24	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 17:24	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 17:43	1		RTX-CLP1 0.53(mm)
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ZZZZZ		06/16/2022 18:02	1		RTX-CLP1 0.53(mm)
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ZZZZZ		06/16/2022 18:21	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 18:21	1		RTX-CLP2 0.53(mm)
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CCVIS 180-402156/37		06/16/2022 19:18	1		RTX-CLP1 0.53(mm)
CCVIS 180-402156/37		06/16/2022 19:18	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 19:37	1		RTX-CLP1 0.53(mm)
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ZZZZZ		06/16/2022 19:56	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 20:15	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 20:15	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/16/2022 20:34	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/16/2022 20:34	1		RTX-CLP2 0.53(mm)
CCVIS 180-402156/59		06/17/2022 02:15	1		RTX-CLP1 0.53(mm)
CCVIS 180-402156/59		06/17/2022 02:15	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 02:34	1		RTX-CLP1 0.53(mm)
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ZZZZZ		06/17/2022 02:53	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 02:53	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 03:12	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 03:12	1		RTX-CLP2 0.53(mm)

EPA 8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 06/16/2022 07:52

Analysis Batch Number: 402156 End Date: 06/17/2022 06:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
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ZZZZZ		06/17/2022 03:31	1		RTX-CLP2 0.53(mm)
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ZZZZZ		06/17/2022 03:50	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 04:08	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 04:08	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 04:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 04:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 04:46	1		RTX-CLP1 0.53(mm)
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ZZZZZ		06/17/2022 05:05	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 05:05	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 05:23	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 05:23	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 05:42	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 05:42	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 06:01	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 06:01	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 06:20	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 06:20	1		RTX-CLP2 0.53(mm)
ZZZZZ		06/17/2022 06:38	1		RTX-CLP1 0.53(mm)
ZZZZZ		06/17/2022 06:38	1		RTX-CLP2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 08/10/2022 07:16

Analysis Batch Number: 408111 End Date: 08/11/2022 05:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-408111/1		08/10/2022 07:16	1		RTX-CLP1 0.53(mm)
CCV 180-408111/1		08/10/2022 07:16	1		RTX-CLP2 0.53(mm)
RTC 180-408111/2		08/10/2022 07:35	1		RTX-CLP1 0.53(mm)
RTC 180-408111/2		08/10/2022 07:35	1		RTX-CLP2 0.53(mm)
CCV 180-408111/3		08/10/2022 07:53	1		RTX-CLP1 0.53(mm)
CCV 180-408111/3		08/10/2022 07:53	1		RTX-CLP2 0.53(mm)
CCV 180-408111/4		08/10/2022 08:12	1	08100004.D	RTX-CLP1 0.53(mm)
CCV 180-408111/4		08/10/2022 08:12	1	08100004.D	RTX-CLP2 0.53(mm)
CCVIS 180-408111/5		08/10/2022 08:31	1	08100005.D	RTX-CLP1 0.53(mm)
CCVIS 180-408111/5		08/10/2022 08:31	1	08100005.D	RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 08:50	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 08:50	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 09:08	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 09:08	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 09:27	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 09:27	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 09:46	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 09:46	1		RTX-CLP2 0.53(mm)
MB 180-407891/1-A		08/10/2022 10:05	1	08100010.D	RTX-CLP1 0.53(mm)
MB 180-407891/1-A		08/10/2022 10:05	1	08100010.D	RTX-CLP2 0.53(mm)
LCS 180-407891/2-A		08/10/2022 10:24	1	08100011.D	RTX-CLP1 0.53(mm)
LCS 180-407891/2-A		08/10/2022 10:24	1	08100011.D	RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 10:42	50		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 10:42	50		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 11:01	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 11:01	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 11:20	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 11:20	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 11:39	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 11:39	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 11:58	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 11:58	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 12:16	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 12:16	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 12:35	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 12:35	1		RTX-CLP2 0.53(mm)
180-142292-2	TI-NA-FL-D-2207270900	08/10/2022 12:54	1	08100019.D	RTX-CLP1 0.53(mm)
180-142292-2	TI-NA-FL-D-2207270900	08/10/2022 12:54	1	08100019.D	RTX-CLP2 0.53(mm)
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	08/10/2022 13:12	1	08100020.D	RTX-CLP1 0.53(mm)
180-142292-2 MS	TI-NA-FL-D-2207270900 MS	08/10/2022 13:12	1	08100020.D	RTX-CLP2 0.53(mm)
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	08/10/2022 13:31	1	08100021.D	RTX-CLP1 0.53(mm)
180-142292-2 MSD	TI-NA-FL-D-2207270900 MSD	08/10/2022 13:31	1	08100021.D	RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 13:49	1		RTX-CLP1 0.53(mm)

EPA 8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 08/10/2022 07:16

Analysis Batch Number: 408111 End Date: 08/11/2022 05:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/10/2022 13:49	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 14:08	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 14:08	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 14:27	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 14:27	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 14:46	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 14:46	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 15:04	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 15:04	1		RTX-CLP2 0.53(mm)
CCVIS 180-408111/27		08/10/2022 15:23	1	08100027.D	RTX-CLP1 0.53(mm)
CCVIS 180-408111/27		08/10/2022 15:23	1	08100027.D	RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 15:42	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 15:42	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 16:01	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 16:01	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 16:20	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 16:20	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 16:38	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 16:38	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 16:57	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 16:57	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 17:16	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 17:16	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 17:35	10		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 17:35	10		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 17:54	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 17:54	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 18:12	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 18:12	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 18:31	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 18:31	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 18:50	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 18:50	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 19:09	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 19:09	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 19:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 19:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 19:46	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 19:46	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 20:05	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 20:05	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 20:24	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 20:24	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 20:43	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 20:43	1		RTX-CLP2 0.53(mm)

EPA 8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 08/10/2022 07:16

Analysis Batch Number: 408111 End Date: 08/11/2022 05:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/10/2022 21:02	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 21:02	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 21:20	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 21:20	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 21:39	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 21:39	1		RTX-CLP2 0.53(mm)
CCVIS 180-408111/48		08/10/2022 21:58	1		RTX-CLP1 0.53(mm)
CCVIS 180-408111/48		08/10/2022 21:58	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 22:17	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 22:17	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 22:36	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 22:36	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 22:54	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 22:54	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 23:13	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 23:13	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 23:32	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 23:32	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/10/2022 23:51	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/10/2022 23:51	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 00:09	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 00:09	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 00:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 00:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 00:47	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 00:47	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 01:06	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 01:06	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 01:25	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 01:25	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 01:44	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 01:44	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 02:02	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 02:02	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 02:21	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 02:21	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 02:40	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 02:40	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 02:59	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 02:59	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 03:18	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 03:18	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 03:36	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 03:36	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 03:55	1		RTX-CLP1 0.53(mm)

EPA 8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CHGC20 Start Date: 08/10/2022 07:16

Analysis Batch Number: 408111 End Date: 08/11/2022 05:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/11/2022 03:55	1		RTX-CLP2 0.53(mm)
CCVIS 180-408111/68		08/11/2022 04:14	1		RTX-CLP1 0.53(mm)
CCVIS 180-408111/68		08/11/2022 04:14	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 04:33	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 04:33	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 04:51	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 04:51	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 05:10	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 05:10	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 05:29	1		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 05:29	1		RTX-CLP2 0.53(mm)
ZZZZZ		08/11/2022 05:48	50		RTX-CLP1 0.53(mm)
ZZZZZ		08/11/2022 05:48	50		RTX-CLP2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 402156 Batch Start Date: 06/16/22 07:52 Batch Analyst: Oravec, John

Batch Method: EPA 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCAR1248CALL4 00029	GCAR1248ICV 00026	GCAR1660CALL1 00036	GCAR1660CALL2 00025	GCAR1660CALL3 00024	GCAR1660CALL4 00026
IC 180-402156/1		EPA 8082A							
IC 180-402156/2		EPA 8082A							
IC 180-402156/3		EPA 8082A							
IC 180-402156/4		EPA 8082A		1 mL					
IC 180-402156/5		EPA 8082A				1 mL			
IC 180-402156/6		EPA 8082A					1 mL		
IC 180-402156/7		EPA 8082A						1 mL	
ICIS 180-402156/8		EPA 8082A							1 mL
IC 180-402156/9		EPA 8082A							
IC 180-402156/10		EPA 8082A							
IC 180-402156/11		EPA 8082A							
ICV 180-402156/12		EPA 8082A							
ICV 180-402156/13		EPA 8082A							
ICV 180-402156/14		EPA 8082A							
ICV 180-402156/15		EPA 8082A			1 mL				
ICV 180-402156/16		EPA 8082A							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCAR1660CALL5 00026	GCAR1660CALL6 00023	GCAR1660CALL7 00024	GCAR1660ICV 00021	GCAR2154CALL4 00028	GCAR2154ICV 00027
IC 180-402156/1		EPA 8082A						1 mL	
IC 180-402156/2		EPA 8082A							
IC 180-402156/3		EPA 8082A							
IC 180-402156/4		EPA 8082A							
IC 180-402156/5		EPA 8082A							
IC 180-402156/6		EPA 8082A							
IC 180-402156/7		EPA 8082A							

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 402156 Batch Start Date: 06/16/22 07:52 Batch Analyst: Oravec, John

Batch Method: EPA 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCAR1660CALL5 00026	GCAR1660CALL6 00023	GCAR1660CALL7 00024	GCAR1660ICV 00021	GCAR2154CALL4 00028	GCAR2154ICV 00027
ICIS 180-402156/8		EPA 8082A							
IC 180-402156/9		EPA 8082A		1 mL					
IC 180-402156/10		EPA 8082A			1 mL				
IC 180-402156/11		EPA 8082A				1 mL			
ICV 180-402156/12		EPA 8082A							1 mL
ICV 180-402156/13		EPA 8082A							
ICV 180-402156/14		EPA 8082A							
ICV 180-402156/15		EPA 8082A							
ICV 180-402156/16		EPA 8082A					1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCAR3262CALL4 00022	GCAR3262ICV 00018	GCAR4268CALL4 00021	GCAR4268ICV 00018	PCBINT 00021	
IC 180-402156/1		EPA 8082A						0.01 mL	
IC 180-402156/2		EPA 8082A		1 mL				0.01 mL	
IC 180-402156/3		EPA 8082A				1 mL		0.01 mL	
IC 180-402156/4		EPA 8082A						0.01 mL	
IC 180-402156/5		EPA 8082A						0.01 mL	
IC 180-402156/6		EPA 8082A						0.01 mL	
IC 180-402156/7		EPA 8082A						0.01 mL	
ICIS 180-402156/8		EPA 8082A						0.01 mL	
IC 180-402156/9		EPA 8082A						0.01 mL	
IC 180-402156/10		EPA 8082A						0.01 mL	
IC 180-402156/11		EPA 8082A						0.01 mL	
ICV 180-402156/12		EPA 8082A						0.01 mL	
ICV 180-402156/13		EPA 8082A			1 mL			0.01 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 402156 Batch Start Date: 06/16/22 07:52 Batch Analyst: Oravec, John

Batch Method: EPA 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCAR3262CALL4 00022	GCAR3262ICV 00018	GCAR4268CALL4 00021	GCAR4268ICV 00018	PCBINT 00021	
ICV 180-402156/14		EPA 8082A					1 mL	0.01 mL	
ICV 180-402156/15		EPA 8082A						0.01 mL	
ICV 180-402156/16		EPA 8082A						0.01 mL	

Batch Notes	
Dilution Solution ID	4742400

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407891 Batch Start Date: 08/08/22 13:32 Batch Analyst: Thomas, Rhianna G

Batch Method: 3541 Batch End Date: 08/09/22 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GCMATRIXWORKS 00045	op-p/pcb sur 00030		
180-142292-E-2 MS	TI-NA-FL-D-22072 70900	3541, 3665A, 3660B, EPA 8082A	T	15.45 g	20.0 mL	0.5 mL	0.5 mL		
180-142292-E-2 MSD	TI-NA-FL-D-22072 70900	3541, 3665A, 3660B, EPA 8082A	T	15.47 g	20.0 mL	0.5 mL	0.5 mL		
180-142292-E-2	TI-NA-FL-D-22072 70900	3541, 3665A, 3660B, EPA 8082A	T	15.49 g	20.0 mL		0.5 mL		

Batch Notes	
Nominal Amount Used	30.0 g
Balance ID	T0358722
Analyst ID - Extraction	RGT
Analyst ID - Spike Analyst	RGT
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	4803651
Na2SO4 ID	4880106
Extraction 1 Start Time	08/09/2022 10:00
Extraction 1 End Time	08/09/2022 12:00
Analyst ID - Concentration	RGT
Equipment ID - Concentration 1	1

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 407891 Batch Start Date: 08/08/22 13:32 Batch Analyst: Thomas, Rhianna G

Batch Method: 3541 Batch End Date: 08/09/22 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GCMATRIXWORKS 00045	op-p/pcb sur 00030		
MB 180-407891/1		3541, EPA 8082A		30.0 g	20.0 mL		0.5 mL		
LCS 180-407891/2		3541, EPA 8082A		30.0 g	20.0 mL	0.5 mL	0.5 mL		

Batch Notes	
Nominal Amount Used	30.0 g
Balance ID	T0358722
Analyst ID - Extraction	RGT
Analyst ID - Spike Analyst	RGT
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	4803651
Na2SO4 ID	4880106
Extraction 1 Start Time	08/09/2022 10:00
Extraction 1 End Time	08/09/2022 12:00
Analyst ID - Concentration	RGT
Equipment ID - Concentration 1	1

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408115 Batch Start Date: 08/10/22 07:02 Batch Analyst: Oravec, John

Batch Method: 3665A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WH2SO4ConcP 00107			
180-142292-E-2-A MS	TI-NA-FL-D-22072 70900	3665A, 3660B, EPA 8082A	T	2 mL	2 mL	2 mL			
180-142292-E-2-B MSD	TI-NA-FL-D-22072 70900	3665A, 3660B, EPA 8082A	T	2 mL	2 mL	2 mL			
180-142292-E-2-C	TI-NA-FL-D-22072 70900	3665A, 3660B, EPA 8082A	T	2 mL	2 mL	2 mL			

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408117 Batch Start Date: 08/10/22 07:03 Batch Analyst: Oravec, John

Batch Method: 3660B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GCTBASOLUTION 00071			
180-142292-E-2-D MS	TI-NA-FL-D-22072 70900	3660B, EPA 8082A	T	2 mL	2 mL	2 mL			
180-142292-E-2-E MSD	TI-NA-FL-D-22072 70900	3660B, EPA 8082A	T	2 mL	2 mL	2 mL			
180-142292-E-2-F	TI-NA-FL-D-22072 70900	3660B, EPA 8082A	T	2 mL	2 mL	2 mL			

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 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
TI-NA-FL-D-22072700900	180-142292-1	47 S1-^c	50 ^c
	MB 180-408322/1-A	88	94
	LB 180-408025/1-E	85	90
	LCS 180-408322/2-A	99	105
	LCSD 180-408322/3-A	98	103

	QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)	48-127

Column to be used to flag recovery values

FORM II EPA 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0813220000033.D

Lab ID: LCS 180-408322/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
2,4-D	0.200	0.202	101	23-139	
Silvex (2,4,5-TP)	0.0500	0.0532	106	33-140	

Column to be used to flag recovery and RPD values

FORM III EPA 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0813220000034.D

Lab ID: LCSD 180-408322/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	0.200	0.197	98	3	35	23-139	
Silvex (2,4,5-TP)	0.0500	0.0526	105	1	35	33-140	

Column to be used to flag recovery and RPD values

FORM III EPA 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: MB 180-408322/1-A

Matrix: Water Date Extracted: 08/11/2022 08:00

Lab File ID:(1) 0813220000028.D Lab File ID:(2) 0813220000028.D

Date Analyzed:(1) 08/13/2022 15:37 Date Analyzed:(2) 08/13/2022 15:37

Instrument ID:(1) CGC1 Instrument ID:(2) CGC1

GC Column:(1) RTX-50 ID: 0.53(mm) GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
TI-NA-FL-D-2207270900	180-142292-1	08/13/2022 16:55	08/13/2022 16:55
	LCS 180-408322/2-A	08/13/2022 17:15	08/13/2022 17:15
	LCSD 180-408322/3-A	08/13/2022 17:34	08/13/2022 17:34
	LB 180-408025/1-E	08/13/2022 17:54	08/13/2022 17:54

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICRT 180-402627/4 Date Analyzed: 06/21/2022 07:41

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm)

Lab File ID (Standard): 0621220000008.D Heated Purge: (Y/N) N

Calibration ID: 48858

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
INITIAL CALIBRATION SURROGATE				7.95		
UPPER LIMIT				7.98		
LOWER LIMIT				7.92		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-402627/4		06/21/2022 07:41	0621220000008.D	7.95		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII EPA 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: ICRT 180-402627/4 Date Analyzed: 06/21/2022 07:41

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): 0621220000008.D Heated Purge: (Y/N) N

Calibration ID: 48859

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
INITIAL CALIBRATION SURROGATE				7.97		
UPPER LIMIT				8.00		
LOWER LIMIT				7.94		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-402627/4		06/21/2022 07:41	0621220000008.D	7.97		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII EPA 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVRT 180-408559/1 Date Analyzed: 08/13/2022 08:06

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm)

Lab File ID (Standard): 0813220000005.D Heated Purge: (Y/N) N

Calibration ID: 48858

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
CONTINUING CALIBRATION SURROGATE				7.93		
UPPER LIMIT				7.96		
LOWER LIMIT				7.90		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-408559/1		08/13/2022 08:06	0813220000005.D	7.93		
CCV 180-408559/23		08/13/2022 15:17	0813220000027.D	7.92		
MB 180-408322/1-A		08/13/2022 15:37	0813220000028.D	7.92		
180-142292-1	TI-NA-FL-D-2207270900	08/13/2022 16:55	0813220000032.D	7.92		
LCS 180-408322/2-A		08/13/2022 17:15	0813220000033.D	7.92		
LCSD 180-408322/3-A		08/13/2022 17:34	0813220000034.D	7.92		
LB 180-408025/1-E		08/13/2022 17:54	0813220000035.D	7.92		
CCV 180-408559/34		08/13/2022 18:52	0813220000038.D	7.92		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII EPA 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Sample No.: CCVRT 180-408559/1 Date Analyzed: 08/13/2022 08:06

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): 0813220000005.D Heated Purge: (Y/N) N

Calibration ID: 48859

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
CONTINUING CALIBRATION SURROGATE				7.93		
UPPER LIMIT				7.96		
LOWER LIMIT				7.90		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-408559/1		08/13/2022 08:06	0813220000005.D	7.93		
CCV 180-408559/23		08/13/2022 15:17	0813220000027.D	7.92		
MB 180-408322/1-A		08/13/2022 15:37	0813220000028.D	7.93		
180-142292-1	TI-NA-FL-D-2207270900	08/13/2022 16:55	0813220000032.D	7.92		
LCS 180-408322/2-A		08/13/2022 17:15	0813220000033.D	7.92		
LCSD 180-408322/3-A		08/13/2022 17:34	0813220000034.D	7.93		
LB 180-408025/1-E		08/13/2022 17:54	0813220000035.D	7.92		
CCV 180-408559/34		08/13/2022 18:52	0813220000038.D	7.92		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII EPA 8151A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-408322/2-A

Instrument ID (1): CGC1 Instrument ID (2): CGC1

Date Analyzed (1): 08/13/2022 17:15 Date Analyzed (2): 08/13/2022 17:15

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		9.32	9.30	9.36	0.196		3.0
	2		9.41	9.38	9.44	0.202		
Silvex (2,4,5-TP)	1		10.00	9.98	10.04	0.0501		6.0
	2		10.18	10.15	10.21	0.0532		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-408322/3-A

Instrument ID (1): CGC1 Instrument ID (2): CGC1

Date Analyzed (1): 08/13/2022 17:34 Date Analyzed (2): 08/13/2022 17:34

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		9.33	9.30	9.36	0.192		2.2
	2		9.41	9.38	9.44	0.197		
Silvex (2,4,5-TP)	1		10.01	9.98	10.04	0.0499		5.4
	2		10.18	10.15	10.21	0.0526		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-1

Matrix: Solid (TCLP) Lab File ID: 0813220000032.D

Analysis Method: EPA 8151A Date Collected: 07/27/2022 09:00

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 16:55

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-50 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.040	0.020
93-72-1	Silvex (2,4,5-TP)	ND		0.010	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	47	*S1-^c*	48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D
Lims ID: 180-142292-C-1-H
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 13-Aug-2022 16:55:29 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-028
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	7.920	7.925	-0.005	7427337H	0.0237	
2	7.921	7.925	-0.004	7066806H	0.0250	
					RPD = 5.26	
7 2,4-D						7
1		9.326			ND	
2		9.414				
9 Silvex (2,4,5-TP)						7
1		10.007			ND	
2		10.184				

QC Flag Legend

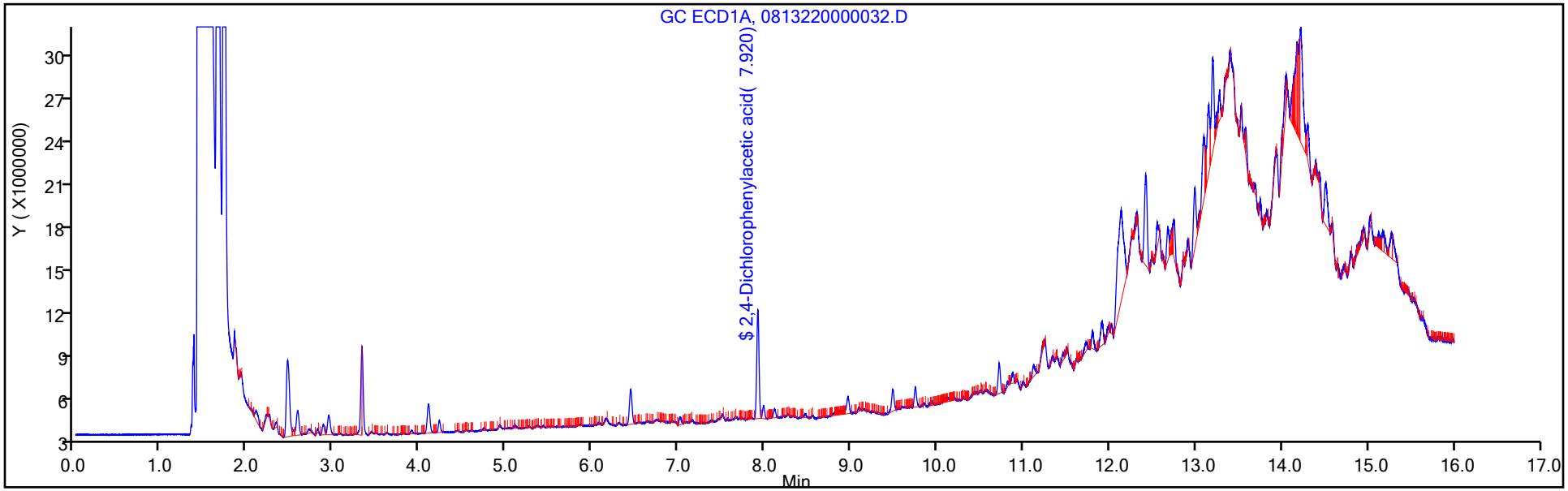
Processing Flags
7 - Failed Limit of Detection
H - Response Measured by Height

Report Date: 15-Aug-2022 06:12:22 Chrom Revision: 2.3 08-Aug-2022 16:03:06

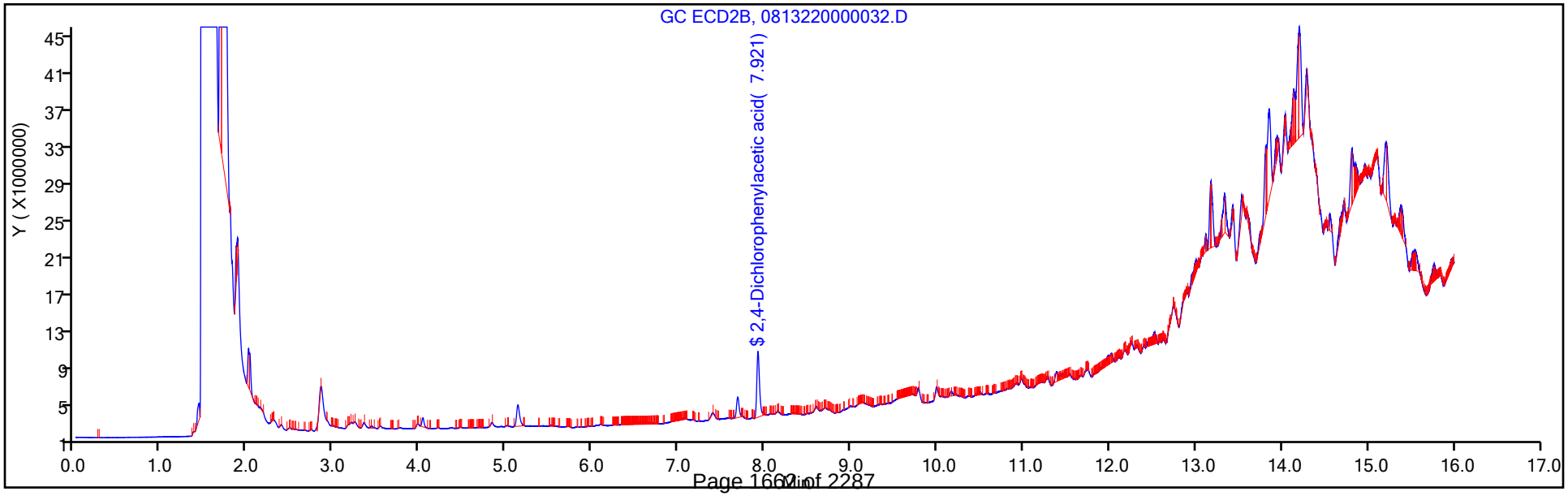
Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D				
Injection Date:	13-Aug-2022 16:55:29	Instrument ID:	CGC1	Operator ID:	
Lims ID:	180-142292-C-1-H	Lab Sample ID:	180-142292-1	Worklist Smp#:	28
Client ID:	TI-NA-FL-D-2207270900				
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	28
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D				
Lims ID:	180-142292-C-1-H				
Client ID:	TI-NA-FL-D-2207270900				
Sample Type:	Client				
Inject. Date:	13-Aug-2022 16:55:29	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-028				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:22		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0237	47.42

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0250	49.98

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-1

Matrix: Solid (TCLP) Lab File ID: 0813220000032.D

Analysis Method: EPA 8151A Date Collected: 07/27/2022 09:00

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 16:55

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	50	^c	48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D
Lims ID: 180-142292-C-1-H
Client ID: TI-NA-FL-D-2207270900
Sample Type: Client
Inject. Date: 13-Aug-2022 16:55:29 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-028
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	7.920	7.925	-0.005	7427337H	0.0237	
2	7.921	7.925	-0.004	7066806H	0.0250	
					RPD = 5.26	
7 2,4-D						7
1		9.326			ND	
2		9.414				
9 Silvex (2,4,5-TP)						7
1		10.007			ND	
2		10.184				

QC Flag Legend

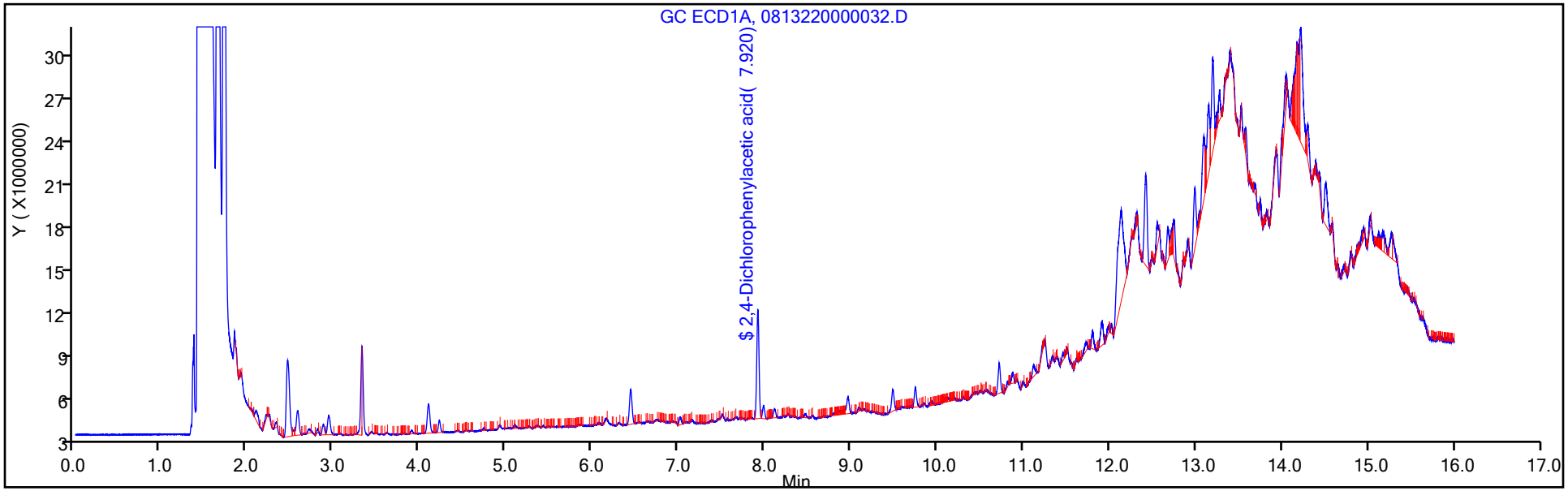
Processing Flags
7 - Failed Limit of Detection
H - Response Measured by Height

Report Date: 15-Aug-2022 06:12:23 Chrom Revision: 2.3 08-Aug-2022 16:03:06

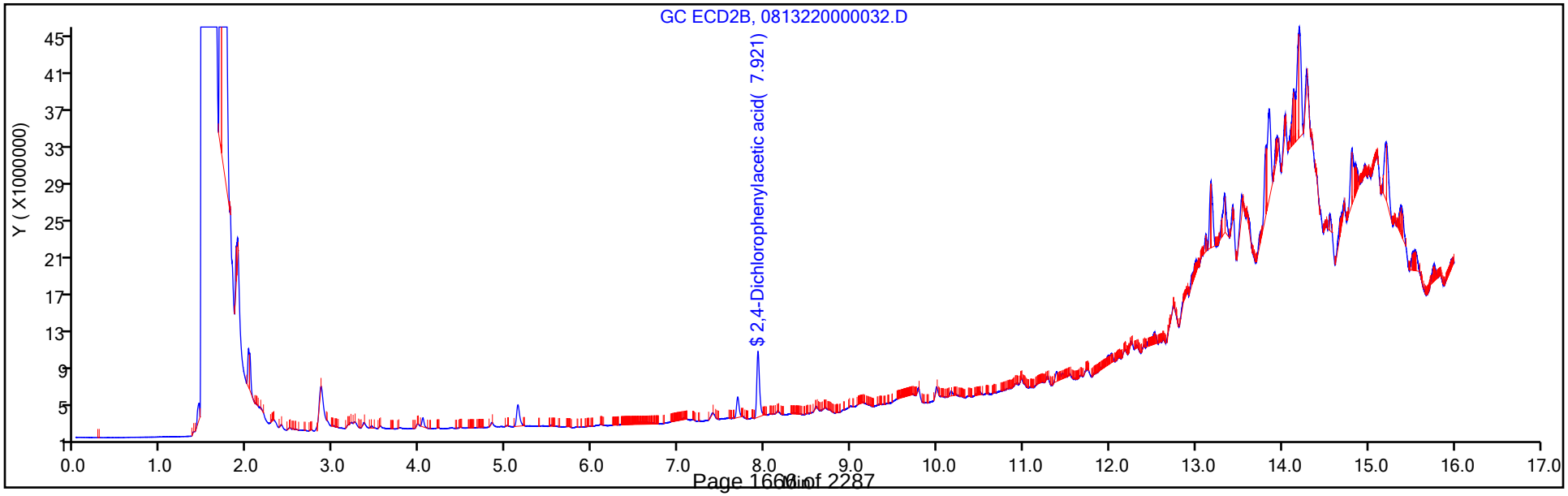
Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D				
Injection Date:	13-Aug-2022 16:55:29	Instrument ID:	CGC1	Operator ID:	
Lims ID:	180-142292-C-1-H	Lab Sample ID:	180-142292-1	Worklist Smp#:	28
Client ID:	TI-NA-FL-D-2207270900				
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	28
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000032.D				
Lims ID:	180-142292-C-1-H				
Client ID:	TI-NA-FL-D-2207270900				
Sample Type:	Client				
Inject. Date:	13-Aug-2022 16:55:29	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-028				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:22		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0237	47.42

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0250	49.98

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48858

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dalapon	2.145	2.147	2.147	2.147	2.148	2.148	2.145				2.117 - 2.177	2.147
MCPP	8.162	8.165	8.167	8.166	8.167	8.166	8.162				8.136 - 8.196	8.165
Dicamba	8.241	8.246	8.246	8.245	8.246	8.246	8.242				8.215 - 8.275	8.245
MCPA	8.582	8.585	8.585	8.585	8.586	8.586	8.581				8.555 - 8.615	8.584
Dichlorprop	8.861	8.865	8.864	8.866	8.864	8.865	8.860				8.836 - 8.896	8.864
2,4-D	9.352	9.355	9.355	9.355	9.354	9.355	9.350				9.325 - 9.385	9.354
Pentachlorophenol	9.878	9.881	9.881	9.881	9.880	9.882	9.877				9.851 - 9.911	9.880
Silvex (2,4,5-TP)	10.033	10.037	10.037	10.037	10.037	10.038	10.032				10.007 - 10.067	10.036
2,4,5-T	10.581	10.584	10.585	10.585	10.583	10.584	10.581				10.555 - 10.615	10.583
Dinoseb	10.837	10.839	10.840	10.840	10.839	10.840	10.835				10.790 - 10.890	10.839
2,4-DB	10.965	10.968	10.968	10.967	10.968	10.967	10.964				10.937 - 10.997	10.967
2,4-Dichlorophenylacetic acid (Surr)	7.947	7.950	7.950	7.948	7.948	7.949	7.945				7.918 - 7.978	7.948

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48858

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dalapon	438344900 298516681	409563350 268076134	365402500 259003741	324569225	Lin1	2632086.74	263024546							0.9960		0.9900
MCPP	732699 830015	854465 790938	921250 789575	857145	Ave		825155.319				7.4		20.0			
Dicamba	110095980 805569450	101325350 774475956	970616700 750932050	844887675	Ave		894385019				15.0		20.0			
MCPA	1740759 1183085	1678900 1106199	1571644 1077515	1310438	Lin1	1043286.03	1085467.12							0.9960		0.9900
Dichlorprop	317309900 218592006	290640050 202472181	273463425 195774109	233587813	Ave		247405641				18.9		20.0			
2,4-D	370297900 256774313	335264100 241116116	316258025 235148105	276237225	Ave		290156540				17.7		20.0			
Pentachlorophenol	322696000 249459440	297248120 244378661	285290470 243630830	257501555	Ave		271457868				11.3		20.0			
Silvex (2,4,5-TP)	151104480 113220602	140758100 108229340	132199690 107531660	118164405	Ave		124458325				13.7		20.0			
2,4,5-T	141615680 106229655	132182600 101092632	125355720 101668436	110292125	Ave		116919549				13.8		20.0			
Dinoseb	913261800 683726744	849029250 652741438	812650675 633261811	722068138	Ave		752391408				14.2		20.0			
2,4-DB	193024900 137817931	178582250 137015919	162504275 139730819	145462575	Ave		156305524				14.3		20.0			
2,4-Dichlorophenylacetic acid (Surr)	382862000 291553188	358970500 264990344	335140750 248813859	310509563	Ave		313262886				15.6		20.0			

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

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48858

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		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
Dalapon	Lin1	4383449 85784363	8191267 165762394	14616100	25965538	47762669	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
MCPP	Ave	732699 25310002	1708930 50532827	3684998	6857163	13280246	1.00 32.0	2.00 64.0	4.00	8.00	16.0
Dicamba	Ave	5504799 123916153	10132535 240298256	19412334	33795507	64445556	0.00500 0.160	0.0100 0.320	0.0200	0.0400	0.0800
MCPA	Lin1	1740759 35398374	3357800 68960946	6286576	10483506	18929366	1.00 32.0	2.00 64.0	4.00	8.00	16.0
Dichlorprop	Ave	3173099 64791098	5812801 125295430	10938537	18687025	34974721	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
2,4-D	Ave	3702979 77157157	6705282 150494787	12650321	22098978	41083890	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
Pentachlorophenol	Ave	8067400 195502929	14862406 389809329	28529047	51500311	99783776	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	3777612 86583472	7037905 172050656	13219969	23632881	45288241	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
2,4,5-T	Ave	3540392 80874106	6609130 162669499	12535572	22058425	42491862	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
Dinoseb	Ave	9132618 208877260	16980585 405287559	32506027	57765451	109396279	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
2,4-DB	Ave	1930249 43845094	3571645 89427724	6500171	11637006	22050869	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
2,4-Dichlorophenylacetic acid (Surr)	Ave	765724 16959382	1435882 31848174	2681126	4968153	9329702	0.00200 0.0640	0.00400 0.128	0.00800	0.0160	0.0320

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48858

Curve Type Legend

Ave = Average by Height
Lin1 = Linear 1/Conc by Height

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48858

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.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
Dalapon	-33.4 -3.1	5.7	13.9	10.9	7.2	-1.2	50 30	30	30	30	30	30
MCPP	-11.2 -4.3	3.6	11.6	3.9	0.6	-4.1	50 30	30	30	30	30	30
Dicamba	23.1 -16.0	13.3	8.5	-5.5	-9.9	-13.4	50 30	30	30	30	30	30
MCPA	-35.7 -2.2	6.6	20.8	8.7	3.0	-1.1	50 30	30	30	30	30	30
Dichlorprop	28.3 -20.9	17.5	10.5	-5.6	-11.6	-18.2	50 30	30	30	30	30	30
2,4-D	27.6 -19.0	15.5	9.0	-4.8	-11.5	-16.9	50 30	30	30	30	30	30
Pentachlorophenol	18.9 -10.3	9.5	5.1	-5.1	-8.1	-10.0	50 30	30	30	30	30	30
Silvex (2,4,5-TP)	21.4 -13.6	13.1	6.2	-5.1	-9.0	-13.0	50 30	30	30	30	30	30
2,4,5-T	21.1 -13.0	13.1	7.2	-5.7	-9.1	-13.5	50 30	30	30	30	30	30
Dinoseb	21.4 -15.8	12.8	8.0	-4.0	-9.1	-13.2	50 30	30	30	30	30	30
2,4-DB	23.5 -10.6	14.3	4.0	-6.9	-11.8	-12.3	50 30	30	30	30	30	30
2,4-Dichlorophenylacetic acid (Surr)	22.2 -20.6	14.6	7.0	-0.9	-6.9	-15.4	50 30	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Jun-2022 06:42:57 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-001
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:10 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:02

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
	1 Dalapon							
	1	2.145	2.147	-0.002	4383449H	0.0100	0.006659	
	2	2.345	2.348	-0.003	3628337H	0.0100	0.0118	
							RPD = 55.34	
$	2 2,4-Dichlorophenylacetic acid							M
	1	7.947	7.948	-0.001	765724H	0.002000	0.002444	
	2	7.965	7.967	-0.002	666080H	0.002000	0.002355	M
							RPD = 3.70	
	3 MCPP							
	1	8.162	8.166	-0.004	732699H	1.00	0.8880	
	2	8.395	8.398	-0.003	1608717H	1.00	1.27	
							RPD = 35.40	
	4 Dicamba							
	1	8.241	8.245	-0.004	5504799H	0.005000	0.006155	
	2	8.231	8.235	-0.004	4666391H	0.005000	0.005286	
							RPD = 15.19	
	5 MCPA							M
	1	8.582	8.585	-0.003	1740759H	1.00	0.6426	
	2	8.700	8.704	-0.004	2299165H	1.00	1.29	M
							RPD = 67.02	
	6 Dichlorprop							
	1	8.861	8.866	-0.005	3173099H	0.0100	0.0128	
	2	9.062	9.067	-0.005	2840108H	0.0100	0.0114	
							RPD = 11.76	
	7 2,4-D							
	1	9.352	9.355	-0.003	3702979H	0.0100	0.0128	
	2	9.459	9.462	-0.003	3203574H	0.0100	0.0111	
							RPD = 13.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.878	9.881	-0.003	8067400H	0.002500	0.002972	
2	9.655	9.658	-0.003	7499411H	0.002500	0.002602	
						RPD = 13.29	
9 Silvex (2,4,5-TP)							
1	10.033	10.037	-0.004	3777612H	0.002500	0.003035	
2	10.231	10.234	-0.003	3443297H	0.002500	0.002619	
						RPD = 14.73	
10 2,4,5-T							
1	10.581	10.585	-0.004	3540392H	0.002500	0.003028	
2	10.683	10.687	-0.004	3198436H	0.002500	0.002689	
						RPD = 11.88	
11 Dinoseb							
1	10.837	10.840	-0.003	9132618H	0.0100	0.0121	
2	11.762	11.764	-0.002	7944095H	0.0100	0.0113	
						RPD = 7.32	
12 2,4-DB							
1	10.965	10.967	-0.002	1930249H	0.0100	0.0123	
2	11.116	11.120	-0.004	1735468H	0.0100	0.0109	
						RPD = 12.28	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL7_00022 Amount Added: 1.00 Units: mL

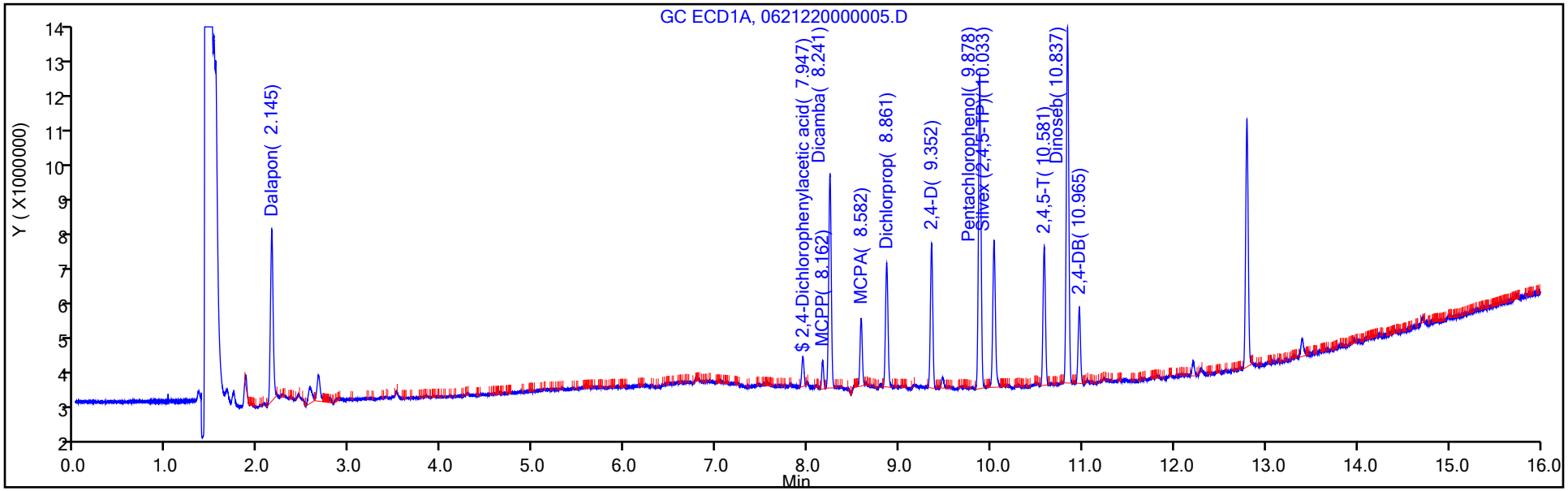
Report Date: 22-Jun-2022 08:51:11 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

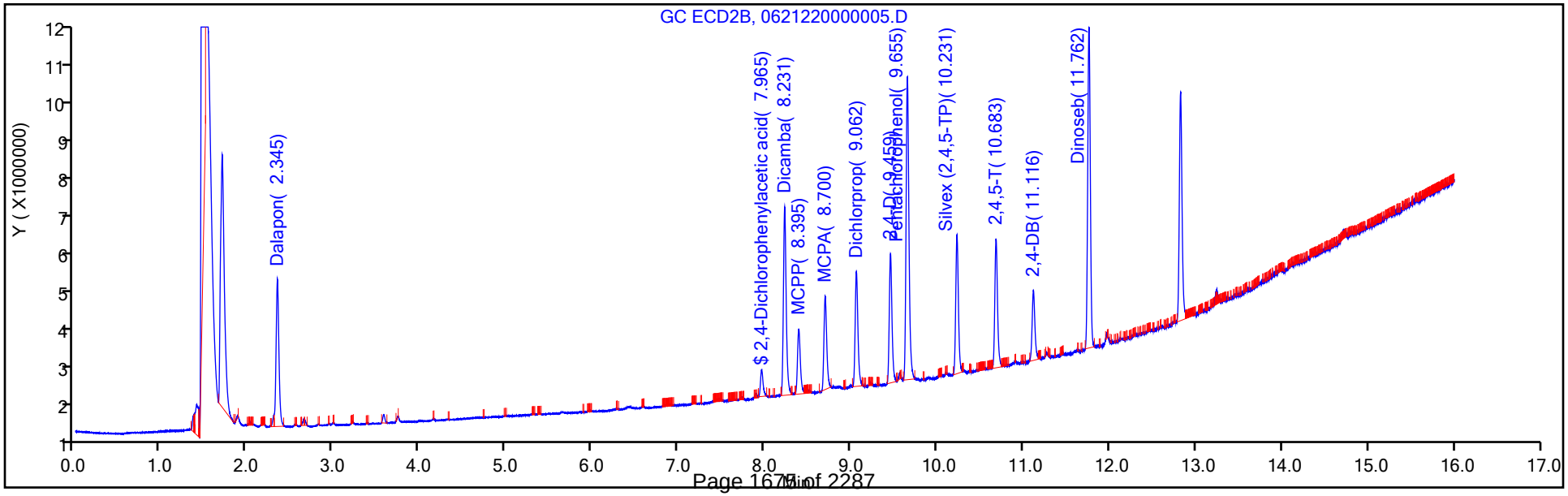
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D

Injection Date:	21-Jun-2022 06:42:57	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jun-2022 07:02:42 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-002
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:12 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	8191267H	0.0200	0.0211	
2	2.347	2.348	-0.001	6713549H	0.0200	0.0217	
						RPD = 2.85	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.950	7.948	0.002	1435882H	0.004000	0.004584	
2	7.966	7.967	-0.001	1250475H	0.004000	0.004422	
						RPD = 3.59	
3 MCPP							
1	8.165	8.166	-0.001	1708930H	2.00	2.07	
2	8.397	8.398	-0.001	2918340H	2.00	2.30	
						RPD = 10.64	
4 Dicamba							
1	8.246	8.245	0.001	10132535H	0.0100	0.0113	
2	8.234	8.235	-0.001	8857195H	0.0100	0.0100	
						RPD = 12.13	
5 MCPA							
1	8.585	8.585	0.000	3357800H	2.00	2.13	
2	8.703	8.704	-0.001	4089289H	2.00	2.29	
						RPD = 7.34	
6 Dichlorprop							
1	8.865	8.866	-0.001	5812801H	0.0200	0.0235	
2	9.066	9.067	-0.001	5250857H	0.0200	0.0211	
						RPD = 10.85	
7 2,4-D							
1	9.355	9.355	0.000	6705282H	0.0200	0.0231	
2	9.462	9.462	0.000	6068070H	0.0200	0.0211	
						RPD = 9.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	14862406H	0.005000	0.005475	
2	9.658	9.658	0.000	14556544H	0.005000	0.005050	
						RPD = 8.08	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	7037905H	0.005000	0.005655	
2	10.234	10.234	0.000	6686139H	0.005000	0.005085	
						RPD = 10.61	
10 2,4,5-T							
1	10.584	10.585	-0.001	6609130H	0.005000	0.005653	
2	10.686	10.687	-0.001	6139371H	0.005000	0.005161	
						RPD = 9.10	
11 Dinoseb							
1	10.839	10.840	-0.001	16980585H	0.0200	0.0226	
2	11.765	11.764	0.001	14879294H	0.0200	0.0211	
						RPD = 6.59	
12 2,4-DB							
1	10.968	10.967	0.001	3571645H	0.0200	0.0229	
2	11.119	11.120	-0.001	3285885H	0.0200	0.0207	
						RPD = 9.99	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL1_00032 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2022 08:51:13 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000006.D

Injection Date: 21-Jun-2022 07:02:42 Instrument ID: CGC1 Operator ID:

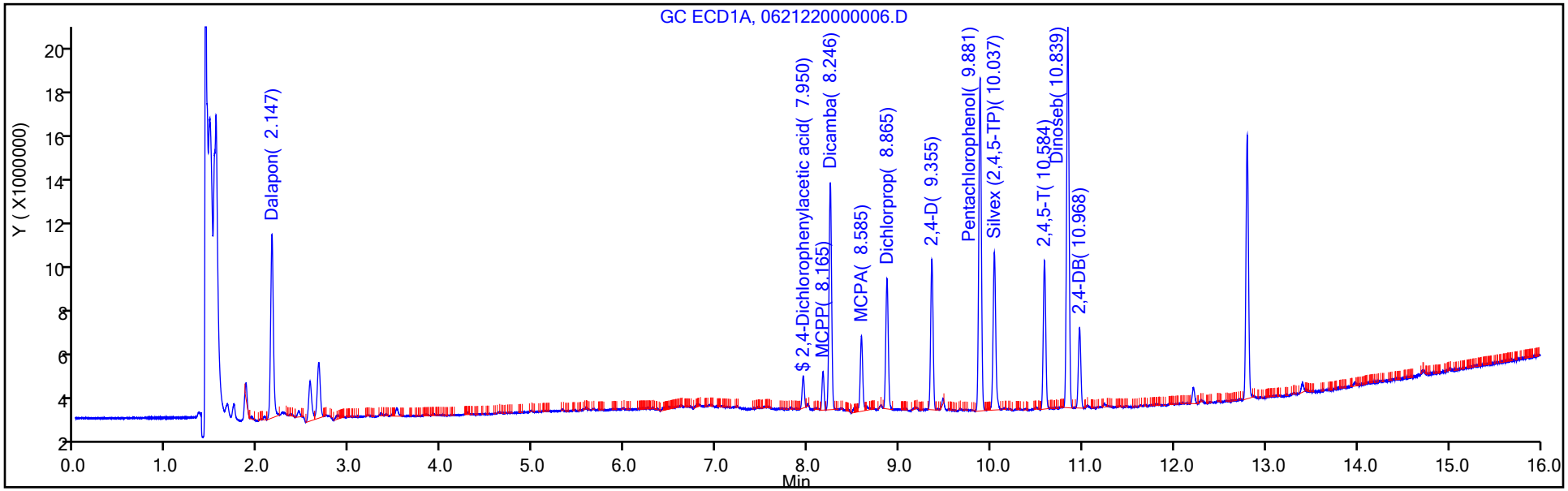
Lims ID: IC Worklist Smp#: 2

Client ID:

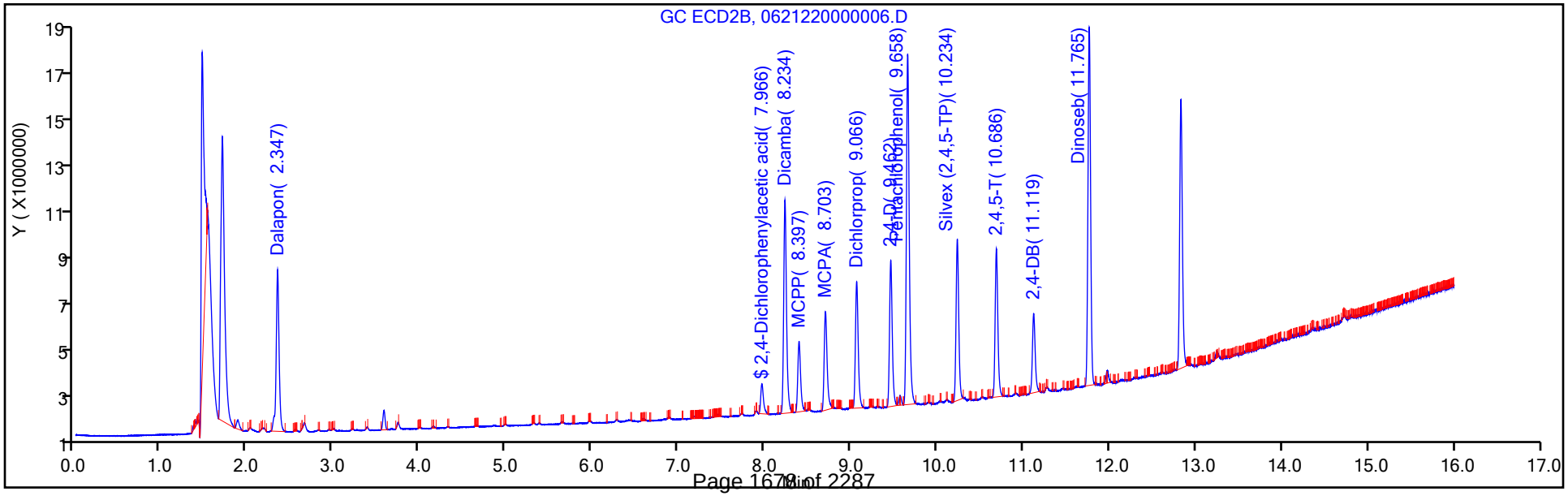
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jun-2022 07:22:21 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-003
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:14 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	14616100H	0.0400	0.0456	
2	2.348	2.348	0.000	12804944H	0.0400	0.0415	
						RPD = 9.38	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.950	7.948	0.002	2681126H	0.008000	0.008559	
2	7.967	7.967	0.000	2395939H	0.008000	0.008473	
						RPD = 1.01	
3 MCPP							
1	8.167	8.166	0.001	3684998H	4.00	4.47	
2	8.398	8.398	0.000	5423974H	4.00	4.28	
						RPD = 4.21	
4 Dicamba							
1	8.246	8.245	0.001	19412334H	0.0200	0.0217	
2	8.234	8.235	-0.001	18019894H	0.0200	0.0204	
						RPD = 6.13	
5 MCPA							
1	8.585	8.585	0.000	6286576H	4.00	4.83	
2	8.704	8.704	0.000	7539346H	4.00	4.23	
						RPD = 13.23	
6 Dichlorprop							
1	8.864	8.866	-0.002	10938537H	0.0400	0.0442	
2	9.067	9.067	0.000	10260666H	0.0400	0.0412	
						RPD = 7.08	
7 2,4-D							
1	9.355	9.355	0.000	12650321H	0.0400	0.0436	
2	9.462	9.462	0.000	11905000H	0.0400	0.0413	
						RPD = 5.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	28529047H	0.0100	0.0105	
2	9.658	9.658	0.000	29499095H	0.0100	0.0102	
						RPD = 2.66	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	13219969H	0.0100	0.0106	
2	10.234	10.234	0.000	13561061H	0.0100	0.0103	
						RPD = 2.94	
10 2,4,5-T							
1	10.585	10.585	0.000	12535572H	0.0100	0.0107	
2	10.688	10.687	0.001	12271839H	0.0100	0.0103	
						RPD = 3.86	
11 Dinoseb							
1	10.840	10.840	0.000	32506027H	0.0400	0.0432	
2	11.764	11.764	0.000	29194529H	0.0400	0.0415	
						RPD = 4.13	
12 2,4-DB							
1	10.968	10.967	0.001	6500171H	0.0400	0.0416	
2	11.120	11.120	0.000	6506113H	0.0400	0.0409	
						RPD = 1.57	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

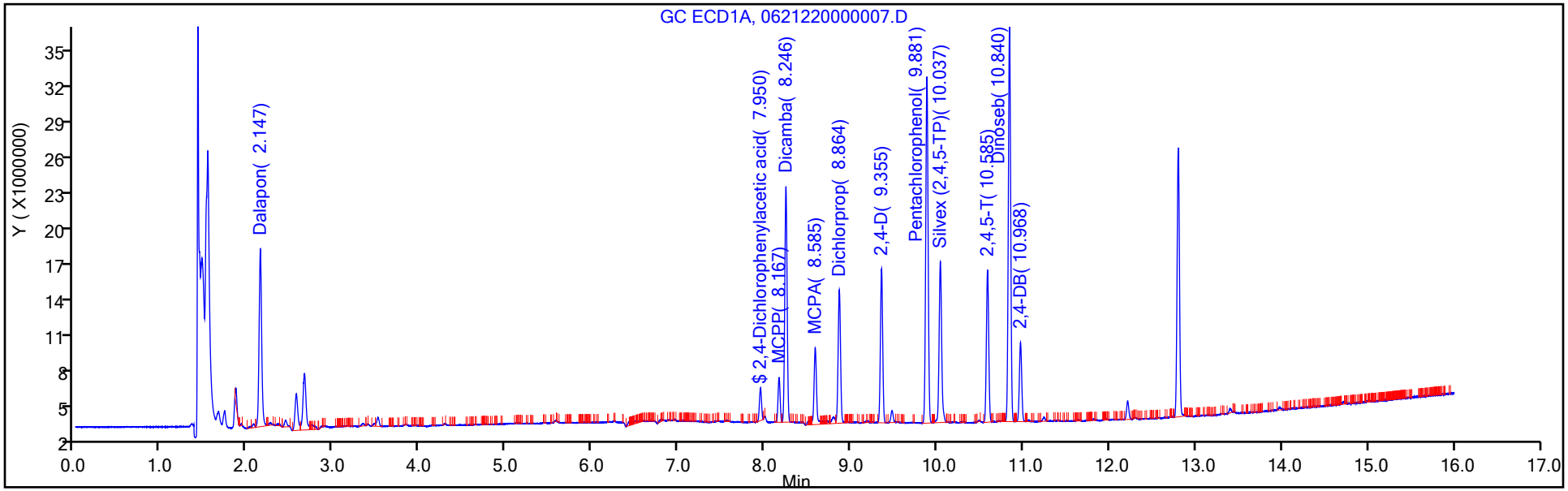
GCHERBCALSL2_00028 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2022 08:51:15 Chrom Revision: 2.3 20-Jun-2022 20:10:40

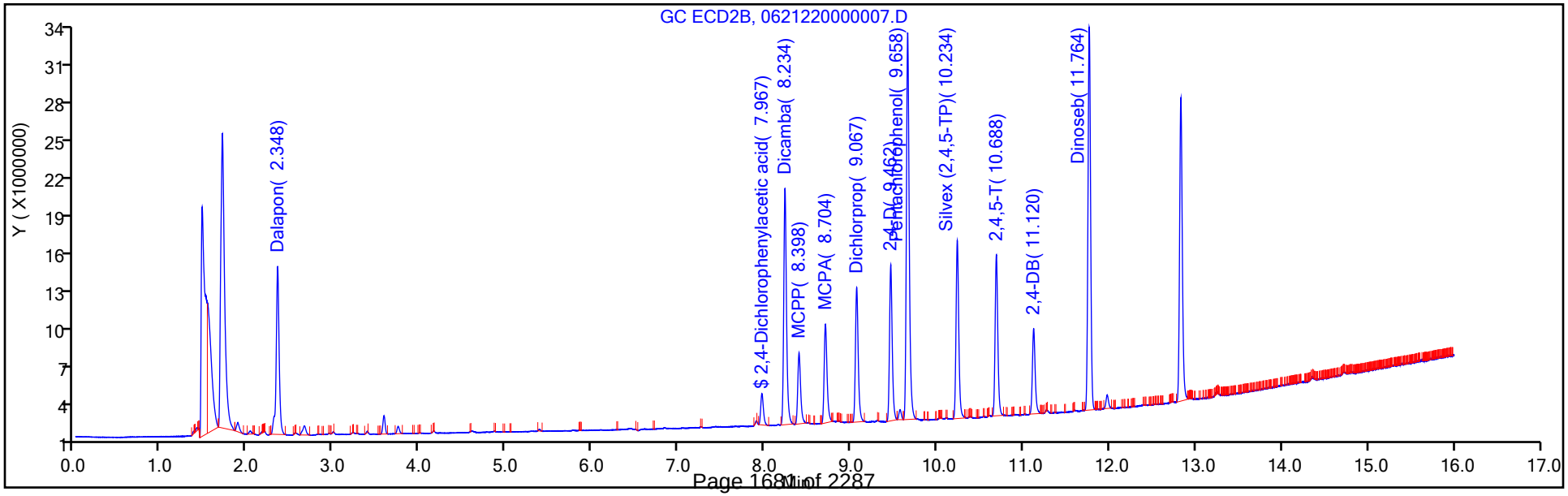
Eurofins Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000007.D				
Injection Date:	21-Jun-2022 07:22:21	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000008.D
Lims ID: ICRT
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 21-Jun-2022 07:41:53 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-004
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:16 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:36:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	25965538H	0.0800	0.0887	
2	2.348	2.348	0.000	23237365H	0.0800	0.0753	
						RPD = 16.39	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.948	7.948	0.000	4968153H	0.0160	0.0159	
2	7.967	7.967	0.000	4269244H	0.0160	0.0151	
						RPD = 4.92	
3 MCPP							
1	8.166	8.166	0.000	6857163H	8.00	8.31	
2	8.398	8.398	0.000	9435933H	8.00	7.45	
						RPD = 10.93	
4 Dicamba							
1	8.245	8.245	0.000	33795507H	0.0400	0.0378	
2	8.235	8.235	0.000	33804182H	0.0400	0.0383	
						RPD = 1.33	
5 MCPA							
1	8.585	8.585	0.000	10483506H	8.00	8.70	
2	8.704	8.704	0.000	13247705H	8.00	7.43	
						RPD = 15.66	
6 Dichlorprop							
1	8.866	8.866	0.000	18687025H	0.0800	0.0755	
2	9.067	9.067	0.000	18836132H	0.0800	0.0756	
						RPD = 0.10	
7 2,4-D							
1	9.355	9.355	0.000	22098978H	0.0800	0.0762	
2	9.462	9.462	0.000	21784726H	0.0800	0.0756	
						RPD = 0.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	51500311H	0.0200	0.0190	
2	9.658	9.658	0.000	55301006H	0.0200	0.0192	
						RPD = 1.11	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	23632881H	0.0200	0.0190	
2	10.234	10.234	0.000	25496591H	0.0200	0.0194	
						RPD = 2.10	
10 2,4,5-T							
1	10.585	10.585	0.000	22058425H	0.0200	0.0189	
2	10.687	10.687	0.000	22844172H	0.0200	0.0192	
						RPD = 1.77	
11 Dinoseb							
1	10.840	10.840	0.000	57765451H	0.0800	0.0768	
2	11.764	11.764	0.000	53447234H	0.0800	0.0759	
						RPD = 1.15	
12 2,4-DB							
1	10.967	10.967	0.000	11637006H	0.0800	0.0745	
2	11.120	11.120	0.000	11980749H	0.0800	0.0754	
						RPD = 1.25	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

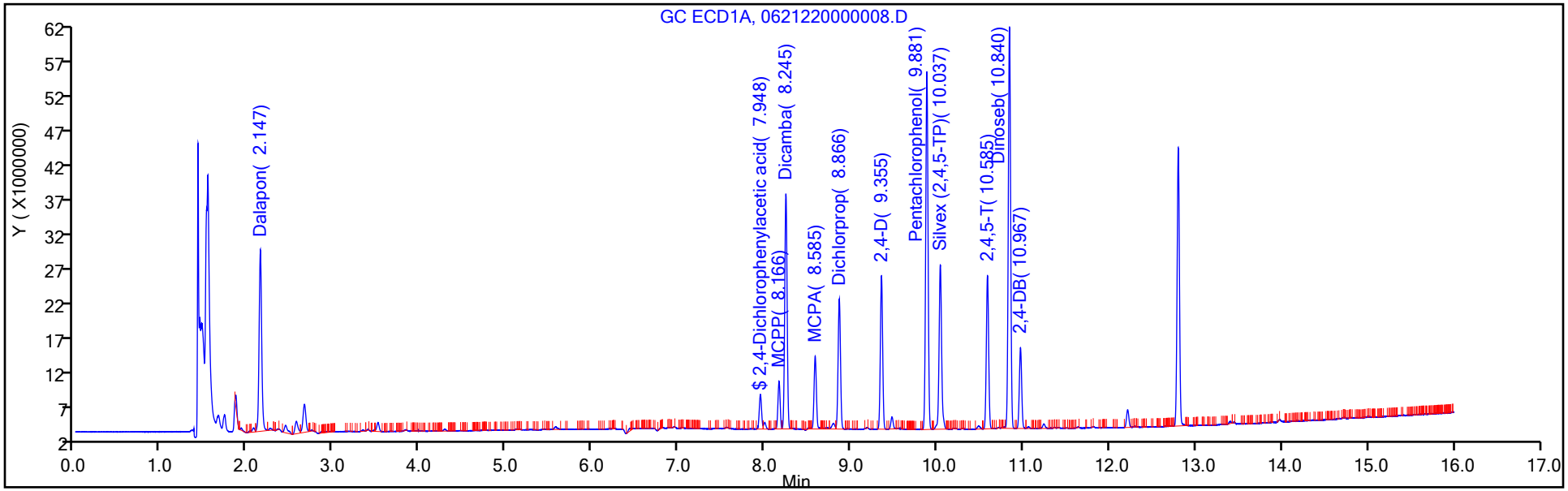
Report Date: 22-Jun-2022 08:51:17 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

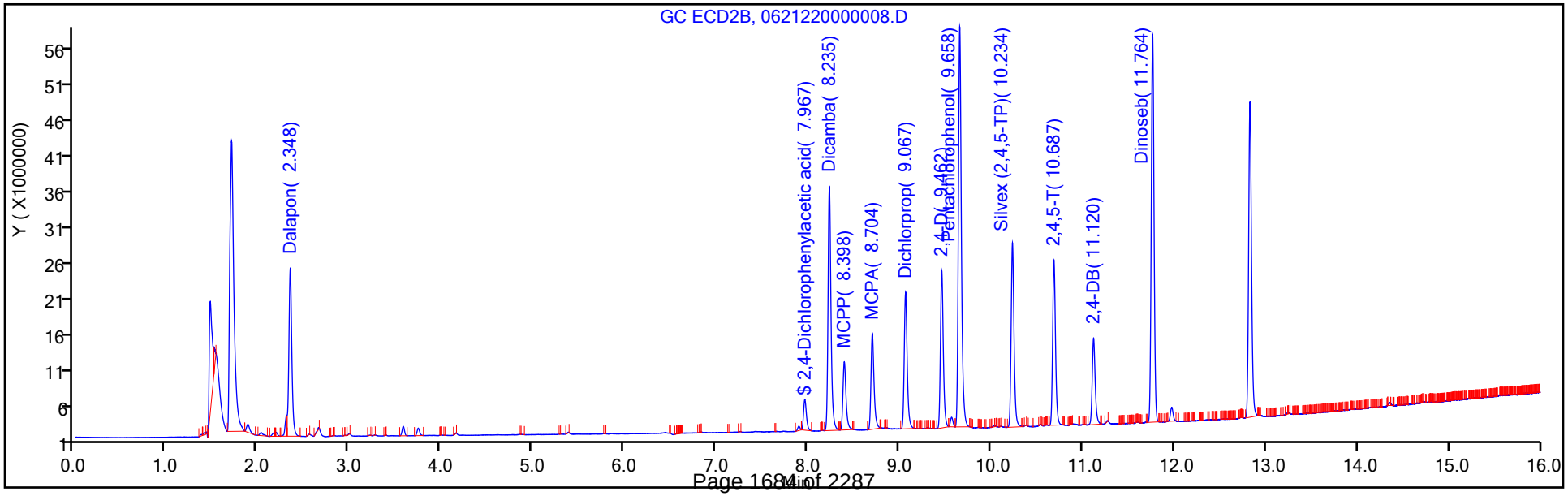
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000008.D

Injection Date:	21-Jun-2022 07:41:53	Instrument ID:	CGC1	Operator ID:	
Lims ID:	ICRT			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Jun-2022 08:01:27 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-005
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:18 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:38:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.148	2.147	0.001	47762669H	0.1600	0.1716	
2	2.349	2.348	0.001	45424627H	0.1600	0.1471	
						RPD = 15.34	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.948	7.948	0.000	9329702H	0.0320	0.0298	
2	7.967	7.967	0.000	8500662H	0.0320	0.0301	
						RPD = 0.93	
3 MCPP							
1	8.167	8.166	0.001	13280246H	16.0	16.1	
2	8.398	8.398	0.000	17900296H	16.0	14.1	
						RPD = 12.99	
4 Dicamba							
1	8.246	8.245	0.001	64445556H	0.0800	0.0721	
2	8.235	8.235	0.000	68387054H	0.0800	0.0775	
						RPD = 7.24	
5 MCPA							
1	8.586	8.585	0.001	18929366H	16.0	16.5	
2	8.704	8.704	0.000	25053560H	16.0	14.1	
						RPD = 15.84	
6 Dichlorprop							
1	8.864	8.866	-0.002	34974721H	0.1600	0.1414	
2	9.068	9.067	0.001	37394782H	0.1600	0.1501	
						RPD = 6.00	
7 2,4-D							
1	9.354	9.355	-0.001	41083890H	0.1600	0.1416	
2	9.462	9.462	0.000	43355348H	0.1600	0.1505	
						RPD = 6.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.880	9.881	-0.001	99783776H	0.0400	0.0368	
2	9.659	9.658	0.001	111261642H	0.0400	0.0386	
						RPD = 4.88	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	45288241H	0.0400	0.0364	
2	10.234	10.234	0.000	50998979H	0.0400	0.0388	
						RPD = 6.39	
10 2,4,5-T							
1	10.583	10.585	-0.002	42491862H	0.0400	0.0363	
2	10.688	10.687	0.001	45367524H	0.0400	0.0381	
						RPD = 4.81	
11 Dinoseb							
1	10.839	10.840	-0.001	109396279H	0.1600	0.1454	
2	11.766	11.764	0.002	105683798H	0.1600	0.1501	
						RPD = 3.17	
12 2,4-DB							
1	10.968	10.967	0.001	22050869H	0.1600	0.1411	
2	11.121	11.120	0.001	24002095H	0.1600	0.1510	
						RPD = 6.81	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL4_00033 Amount Added: 1.00 Units: mL

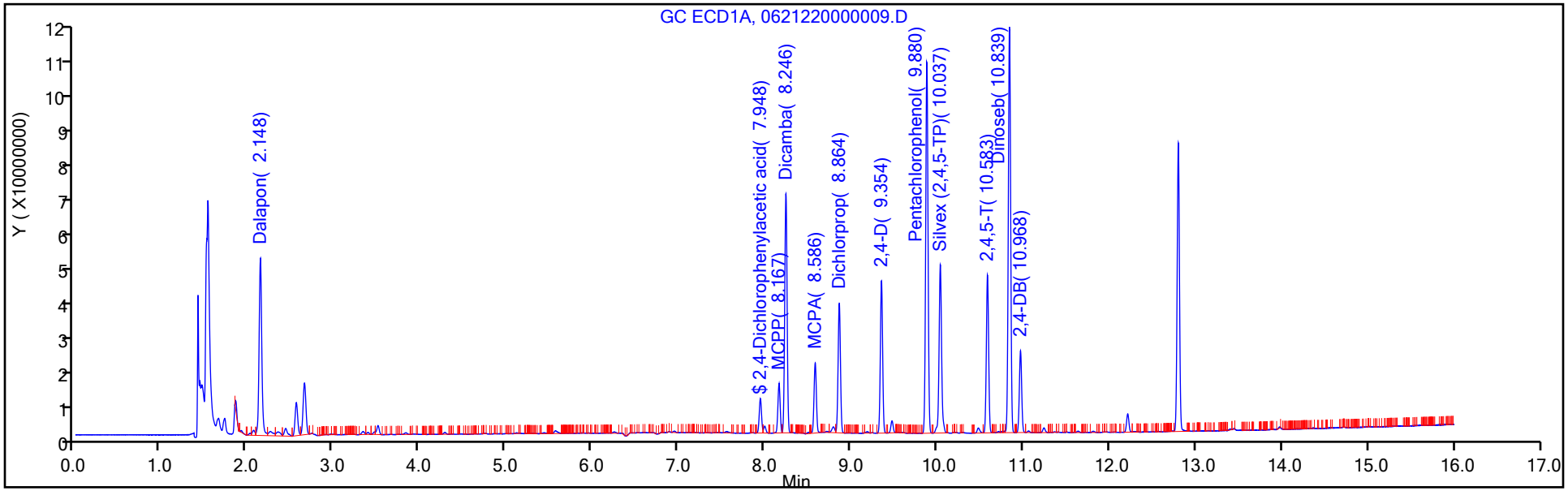
Report Date: 22-Jun-2022 08:51:19 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

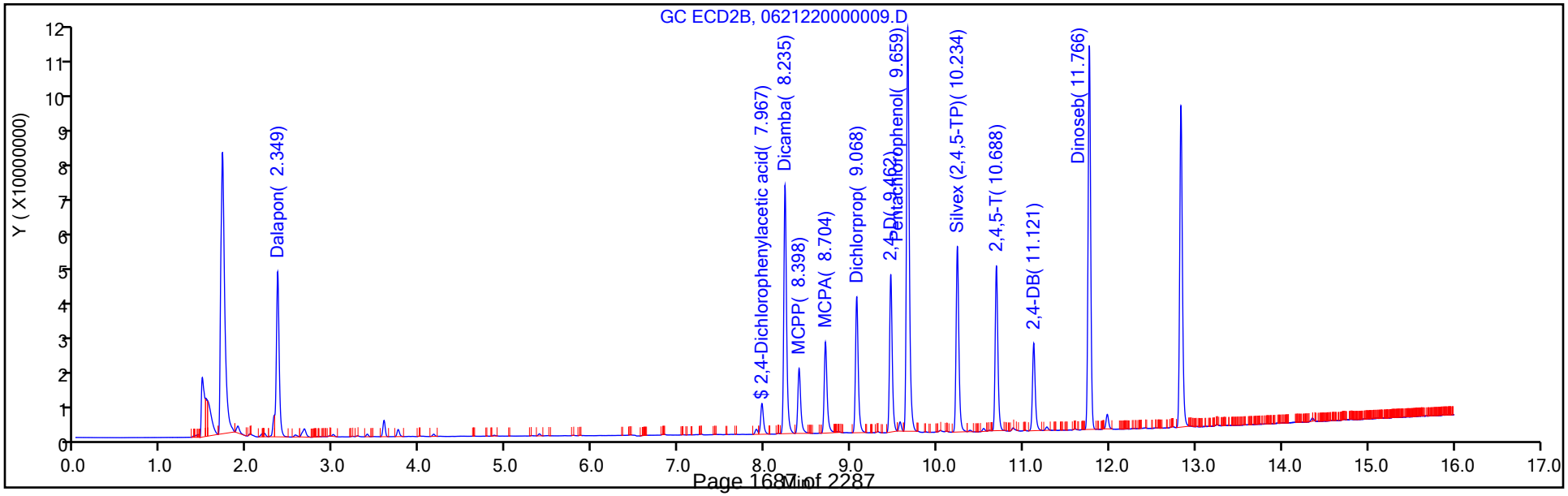
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000009.D

Injection Date:	21-Jun-2022 08:01:27	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jun-2022 08:21:00 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-006
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:21 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:38:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.148	2.147	0.001	85784363H	0.3200	0.3161	
2	2.348	2.348	0.000	89221611H	0.3200	0.2890	
						RPD = 8.97	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.949	7.948	0.001	16959382H	0.0640	0.0541	
2	7.967	7.967	0.000	15991349H	0.0640	0.0566	
						RPD = 4.36	
3 MCPP							
1	8.166	8.166	0.000	25310002H	32.0	30.7	
2	8.398	8.398	0.000	34453787H	32.0	27.2	
						RPD = 12.01	
4 Dicamba							
1	8.246	8.245	0.001	123916153H	0.1600	0.1385	
2	8.235	8.235	0.000	137813690H	0.1600	0.1561	
						RPD = 11.92	
5 MCPA							
1	8.586	8.585	0.001	35398374H	32.0	31.7	
2	8.705	8.704	0.001	48329293H	32.0	27.1	
						RPD = 15.41	
6 Dichlorprop							
1	8.865	8.866	-0.001	64791098H	0.3200	0.2619	
2	9.067	9.067	0.000	74543707H	0.3200	0.2992	
						RPD = 13.31	
7 2,4-D							
1	9.355	9.355	0.000	77157157H	0.3200	0.2659	
2	9.462	9.462	0.000	86828021H	0.3200	0.3015	
						RPD = 12.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.882	9.881	0.001	195502929H	0.0800	0.0720	
2	9.660	9.658	0.002	224873123H	0.0800	0.0780	
						RPD = 7.98	
9 Silvex (2,4,5-TP)							
1	10.038	10.037	0.001	86583472H	0.0800	0.0696	
2	10.235	10.234	0.001	101465574H	0.0800	0.0772	
						RPD = 10.36	
10 2,4,5-T							
1	10.584	10.585	-0.001	80874106H	0.0800	0.0692	
2	10.688	10.687	0.001	91160149H	0.0800	0.0766	
						RPD = 10.23	
11 Dinoseb							
1	10.840	10.840	0.000	208877260H	0.3200	0.2776	
2	11.767	11.764	0.003	208557157H	0.3200	0.2962	
						RPD = 6.46	
12 2,4-DB							
1	10.967	10.967	0.000	43845094H	0.3200	0.2805	
2	11.120	11.120	0.000	48684124H	0.3200	0.3063	
						RPD = 8.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL5_00028 Amount Added: 1.00 Units: mL

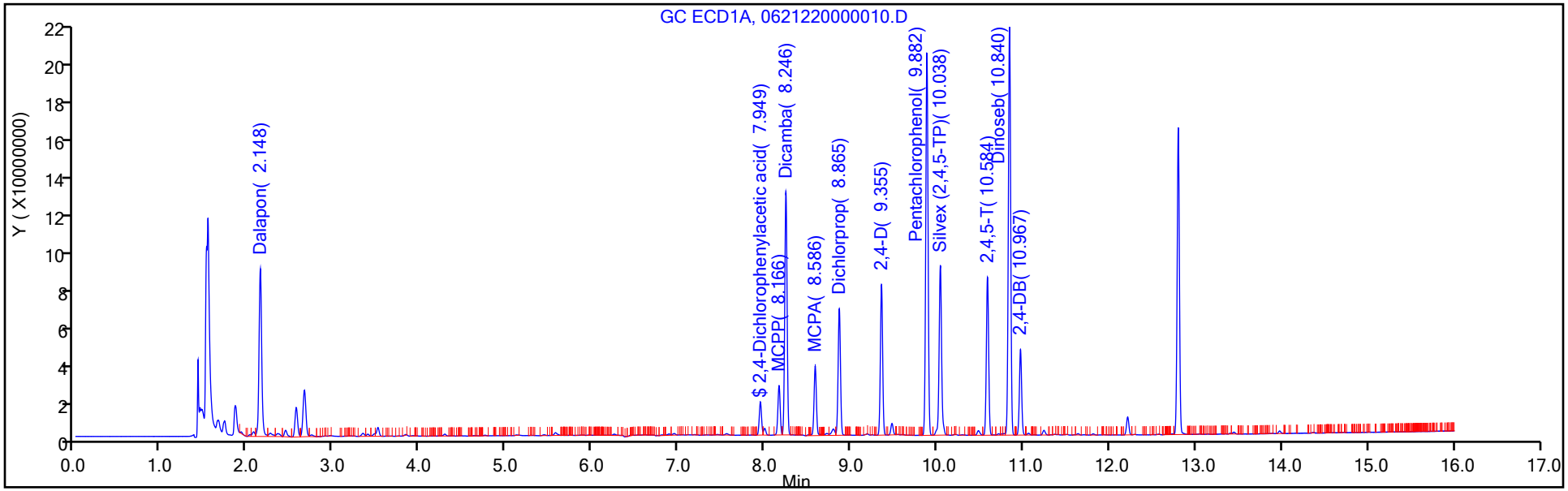
Report Date: 22-Jun-2022 08:51:21 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

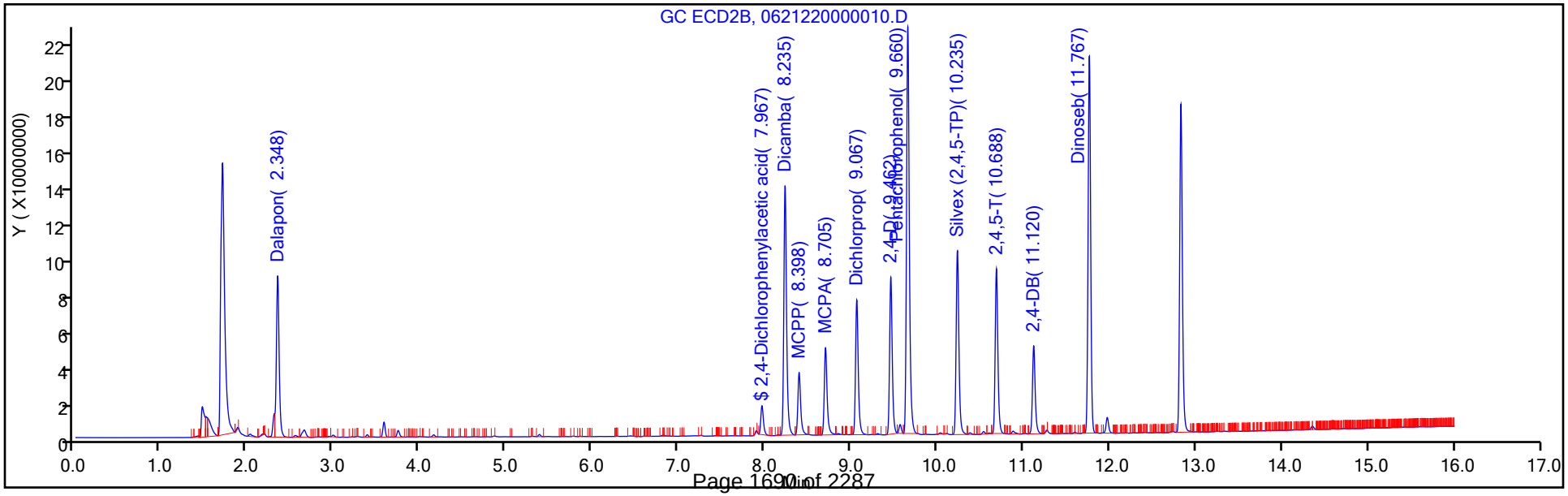
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000010.D

Injection Date:	21-Jun-2022 08:21:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jun-2022 08:40:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-007
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:23 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:40:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							M
1	2.145	2.147	-0.002	165762394H	0.6400	0.6202	
2	2.347	2.348	-0.001	185075362H	0.6400	0.5995	M
						RPD = 3.40	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.945	7.948	-0.003	31848174H	0.1280	0.1017	
2	7.964	7.967	-0.003	32251029H	0.1280	0.1141	
						RPD = 11.48	
3 MCPP							
1	8.162	8.166	-0.004	50532827H	64.0	61.2	
2	8.395	8.398	-0.003	68383919H	64.0	54.0	
						RPD = 12.60	
4 Dicamba							
1	8.242	8.245	-0.003	240298256H	0.3200	0.2687	
2	8.233	8.235	-0.002	287363775H	0.3200	0.3255	
						RPD = 19.14	
5 MCPA							
1	8.581	8.585	-0.004	68960946H	64.0	62.6	
2	8.701	8.704	-0.003	96841652H	64.0	54.3	
						RPD = 14.07	
6 Dichlorprop							
1	8.860	8.866	-0.006	125295430H	0.6400	0.5064	
2	9.064	9.067	-0.003	152731089H	0.6400	0.6131	
						RPD = 19.05	
7 2,4-D							
1	9.350	9.355	-0.005	150494787H	0.6400	0.5187	
2	9.459	9.462	-0.003	179300755H	0.6400	0.6225	
						RPD = 18.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.877	9.881	-0.004	389809329H	0.1600	0.1436	
2	9.656	9.658	-0.002	473630456H	0.1600	0.1643	
						RPD = 13.45	
9 Silvex (2,4,5-TP)							
1	10.032	10.037	-0.005	172050656H	0.1600	0.1382	
2	10.231	10.234	-0.003	210367500H	0.1600	0.1600	
						RPD = 14.59	
10 2,4,5-T							
1	10.581	10.585	-0.004	162669499H	0.1600	0.1391	
2	10.684	10.687	-0.003	188361436H	0.1600	0.1583	
						RPD = 12.91	
11 Dinoseb							
1	10.835	10.840	-0.005	405287559H	0.6400	0.5387	
2	11.762	11.764	-0.002	435760367H	0.6400	0.6188	
						RPD = 13.85	
12 2,4-DB							
1	10.964	10.967	-0.003	89427724H	0.6400	0.5721	
2	11.116	11.120	-0.004	102451671H	0.6400	0.6446	
						RPD = 11.92	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL6_00016 Amount Added: 1.00 Units: mL

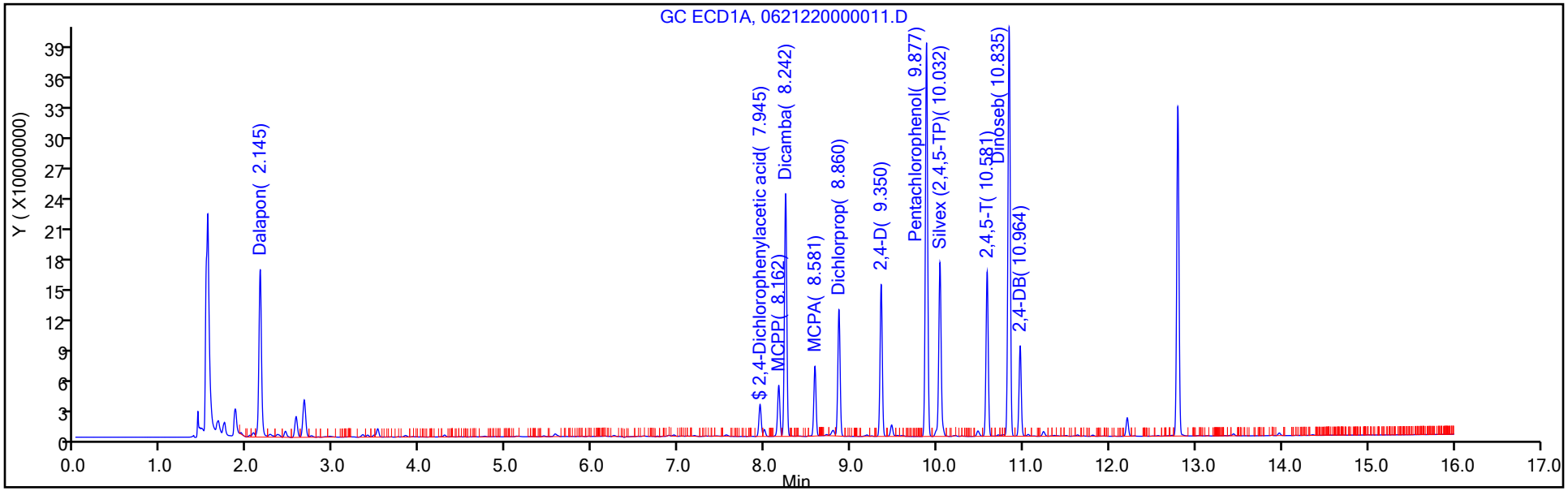
Report Date: 22-Jun-2022 08:51:23 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

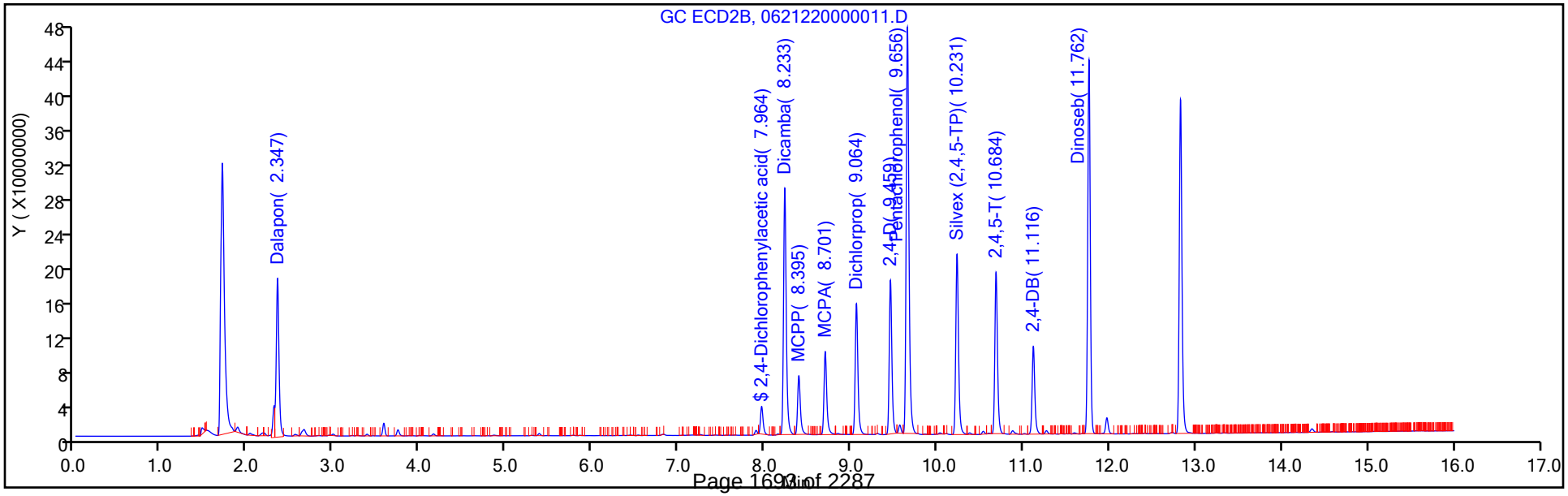
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Injection Date:	21-Jun-2022 08:40:30	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Calibration / Dalapon

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

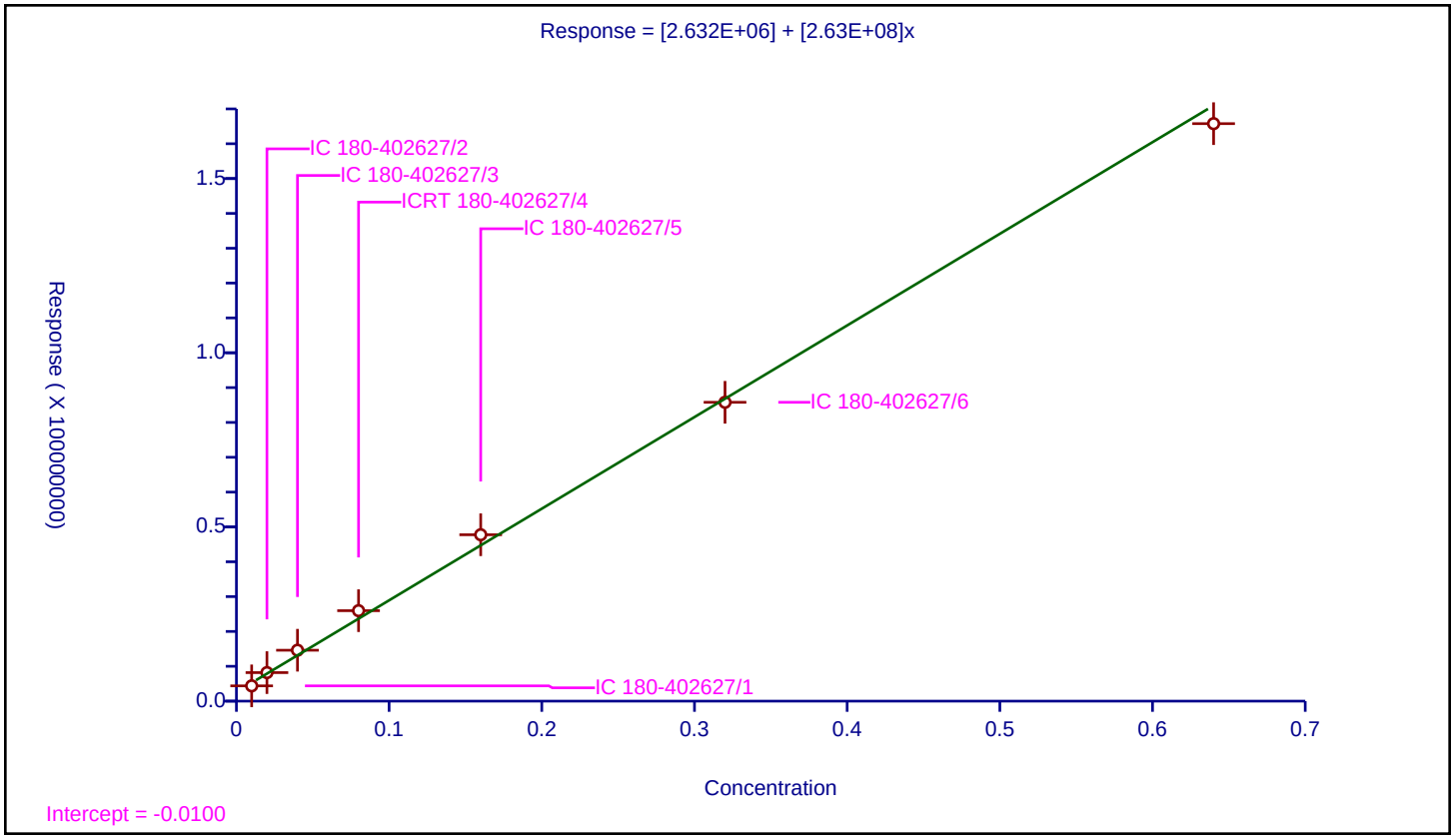
Curve Coefficients

Intercept:	2.632E+06
Slope:	2.63E+08

Error Coefficients

Standard Error:	3020000
Relative Standard Error:	17.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	4383449.0			438344900.0	Y
2	IC 180-402627/2	0.02	8191267.0			409563350.0	Y
3	IC 180-402627/3	0.04	14616100.0			365402500.0	Y
4	ICRT 180-402627/4	0.08	25965538.0			324569225.0	Y
5	IC 180-402627/5	0.16	47762669.0			298516681.25	Y
6	IC 180-402627/6	0.32	85784363.0			268076134.375	Y
7	IC 180-402627/7	0.64	165762394.0			259003740.625	Y



Calibration / 2,4-Dichlorophenylacetic acid

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

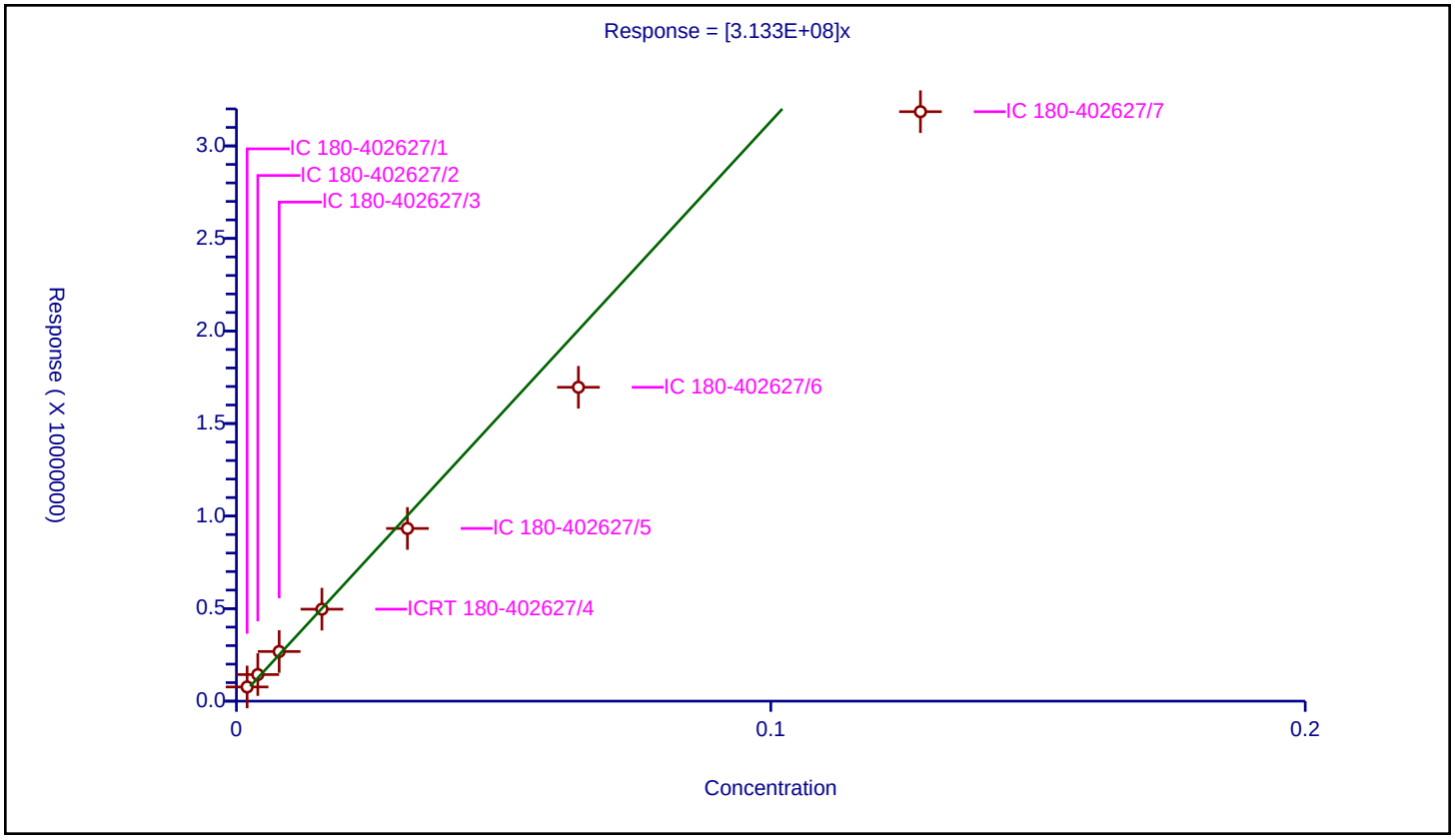
Curve Coefficients

Intercept:	0
Slope:	3.133E+08

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	15.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.002	765724.0			382862000.0	Y
2	IC 180-402627/2	0.004	1435882.0			358970500.0	Y
3	IC 180-402627/3	0.008	2681126.0			335140750.0	Y
4	ICRT 180-402627/4	0.016	4968153.0			310509562.5	Y
5	IC 180-402627/5	0.032	9329702.0			291553187.5	Y
6	IC 180-402627/6	0.064	16959382.0			264990343.75	Y
7	IC 180-402627/7	0.128	31848174.0			248813859.375	Y



Calibration / MCPP

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

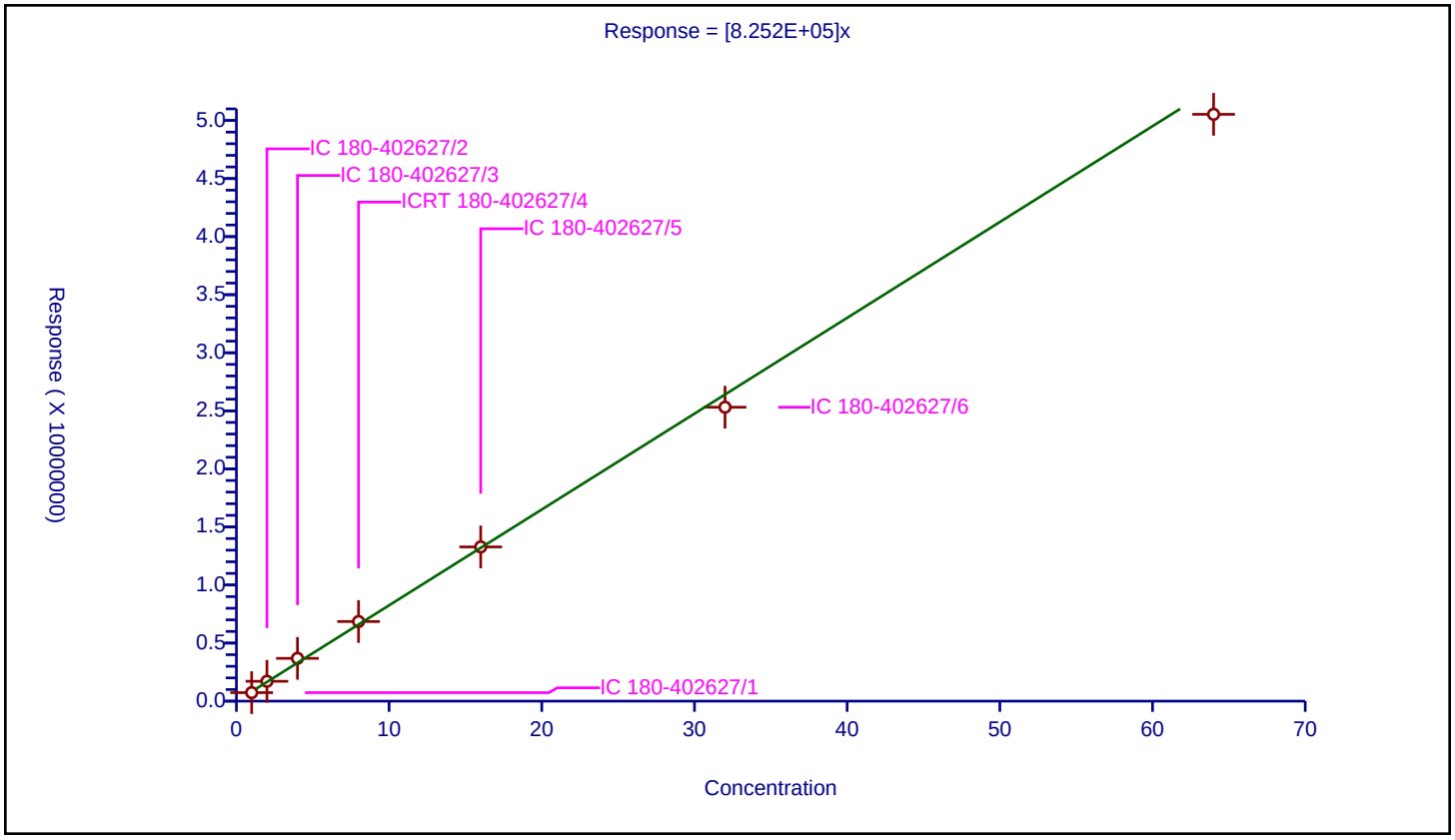
Curve Coefficients

Intercept:	0
Slope:	8.252E+05

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	1.0	732699.0			732699.0	Y
2	IC 180-402627/2	2.0	1708930.0			854465.0	Y
3	IC 180-402627/3	4.0	3684998.0			921249.5	Y
4	ICRT 180-402627/4	8.0	6857163.0			857145.375	Y
5	IC 180-402627/5	16.0	13280246.0			830015.375	Y
6	IC 180-402627/6	32.0	25310002.0			790937.5625	Y
7	IC 180-402627/7	64.0	50532827.0			789575.421875	Y



Calibration / Dicamba

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

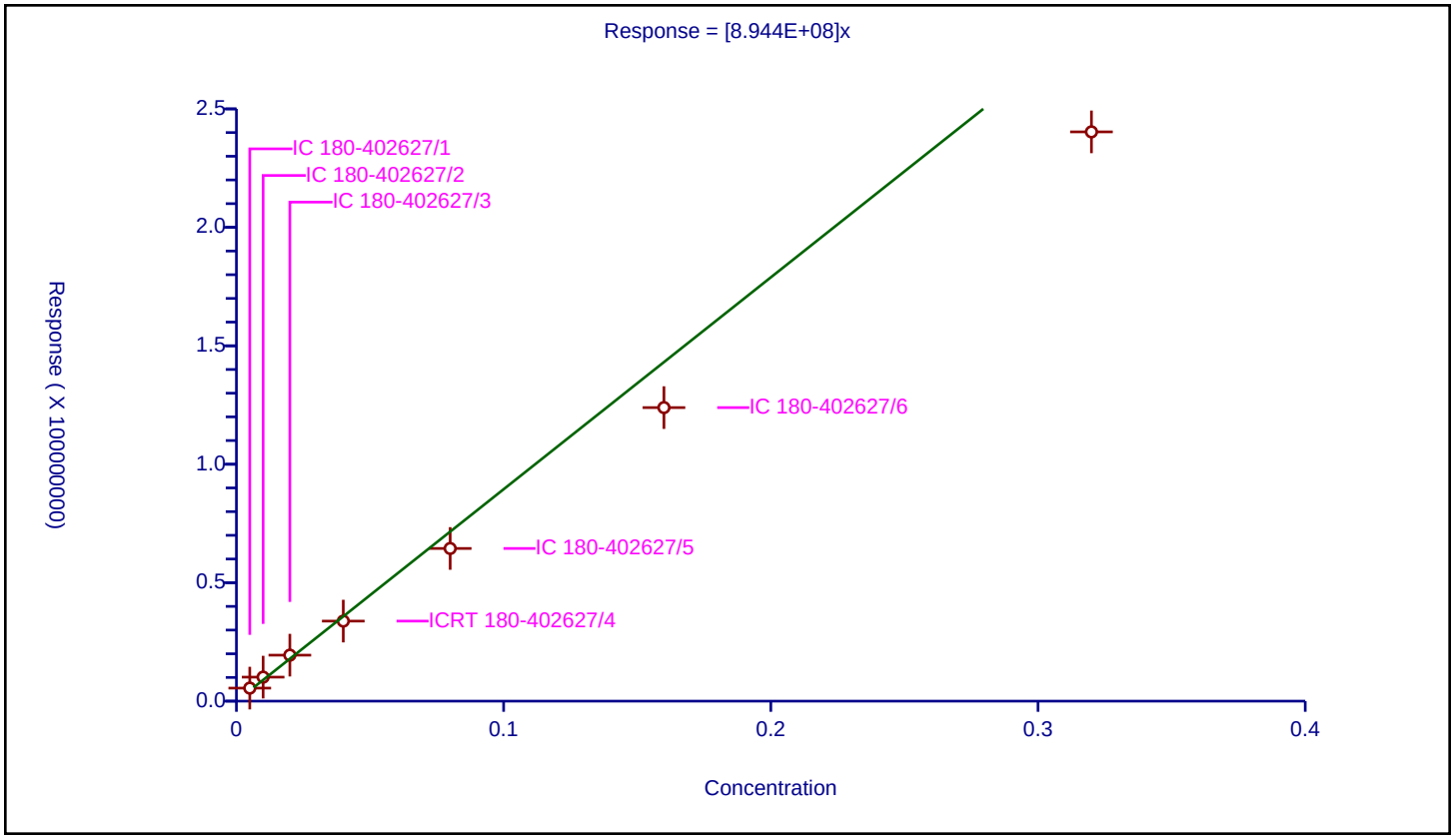
Curve Coefficients

Intercept:	0
Slope:	8.944E+08

Error Coefficients

Standard Error:	20600000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.005	5504799.0			1100959800.0	Y
2	IC 180-402627/2	0.01	10132535.0			1013253500.0	Y
3	IC 180-402627/3	0.02	19412334.0			970616700.0	Y
4	ICRT 180-402627/4	0.04	33795507.0			844887675.0	Y
5	IC 180-402627/5	0.08	64445556.0			805569450.0	Y
6	IC 180-402627/6	0.16	123916153.0			774475956.25	Y
7	IC 180-402627/7	0.32	240298256.0			750932050.0	Y



Calibration / MCPA

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

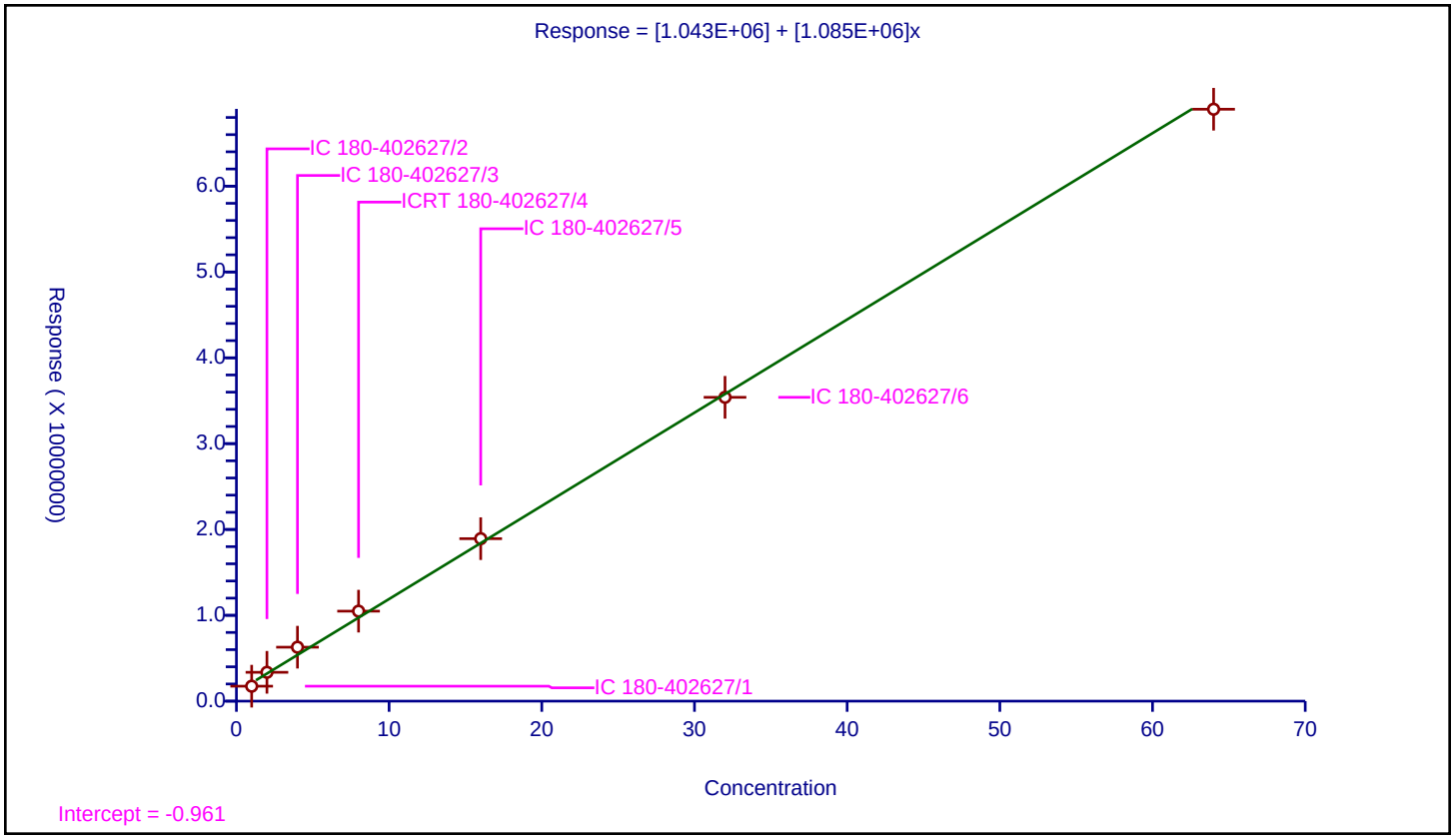
Curve Coefficients

Intercept:	1.043E+06
Slope:	1.085E+06

Error Coefficients

Standard Error:	936000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	1.0	1740759.0			1740759.0	Y
2	IC 180-402627/2	2.0	3357800.0			1678900.0	Y
3	IC 180-402627/3	4.0	6286576.0			1571644.0	Y
4	ICRT 180-402627/4	8.0	10483506.0			1310438.25	Y
5	IC 180-402627/5	16.0	18929366.0			1183085.375	Y
6	IC 180-402627/6	32.0	35398374.0			1106199.1875	Y
7	IC 180-402627/7	64.0	68960946.0			1077514.78125	Y



Calibration / Dichlorprop

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

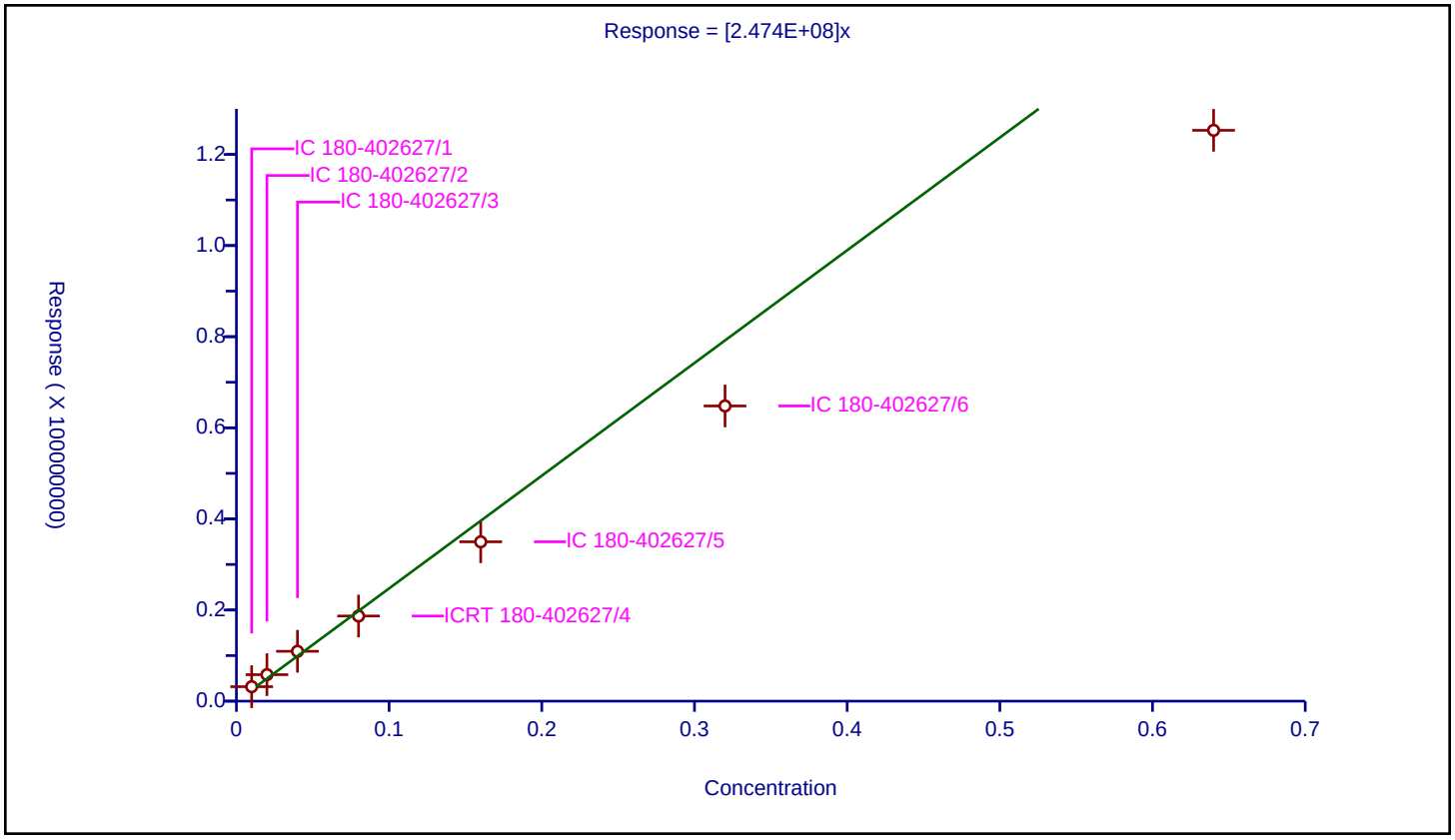
Curve Coefficients

Intercept:	0
Slope:	2.474E+08

Error Coefficients

Standard Error:	14900000
Relative Standard Error:	18.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.930

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	3173099.0			317309900.0	Y
2	IC 180-402627/2	0.02	5812801.0			290640050.0	Y
3	IC 180-402627/3	0.04	10938537.0			273463425.0	Y
4	ICRT 180-402627/4	0.08	18687025.0			233587812.5	Y
5	IC 180-402627/5	0.16	34974721.0			218592006.25	Y
6	IC 180-402627/6	0.32	64791098.0			202472181.25	Y
7	IC 180-402627/7	0.64	125295430.0			195774109.375	Y



Calibration / 2,4-D

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

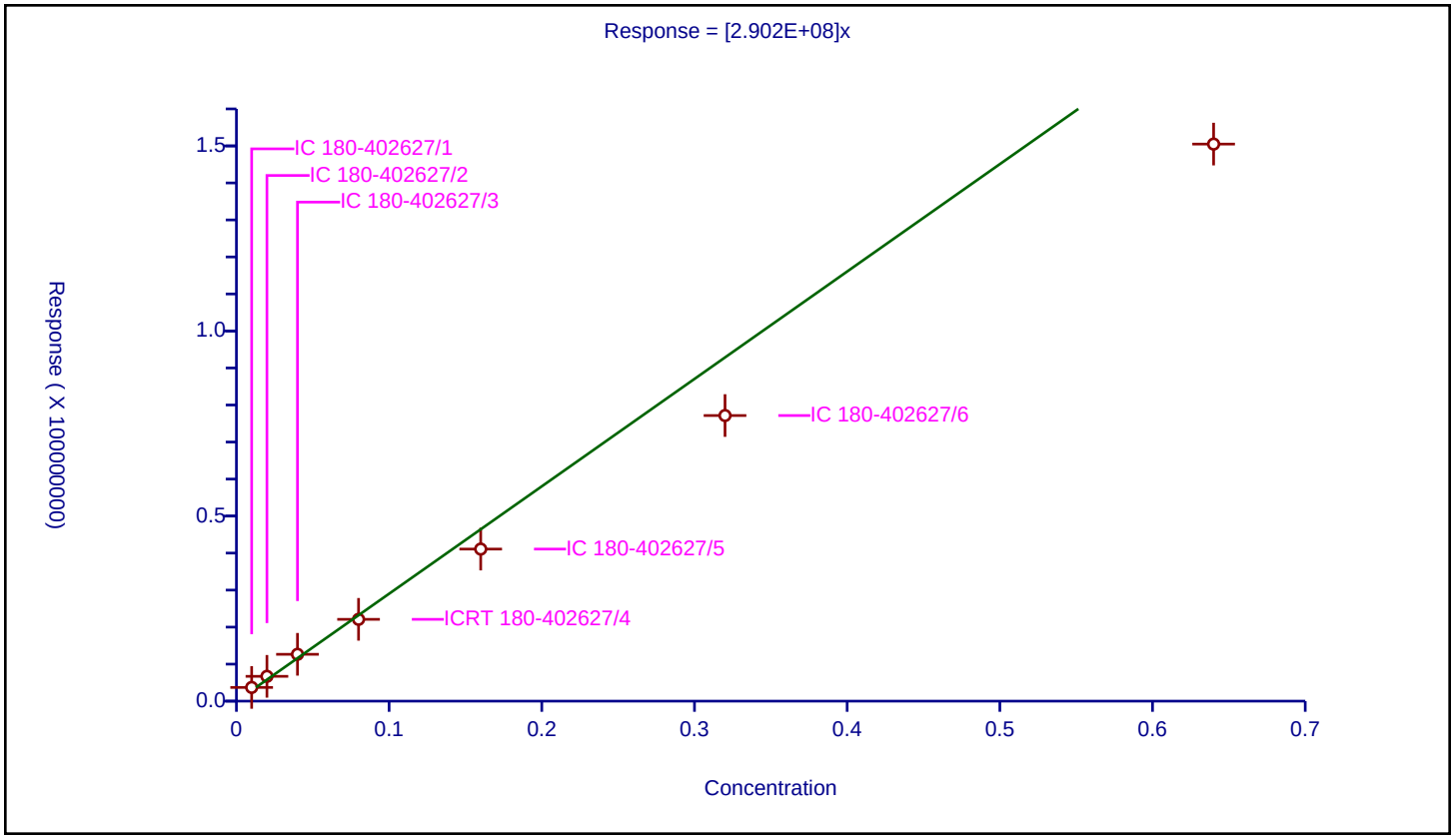
Curve Coefficients

Intercept:	0
Slope:	2.902E+08

Error Coefficients

Standard Error:	15900000
Relative Standard Error:	17.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.939

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	3702979.0			370297900.0	Y
2	IC 180-402627/2	0.02	6705282.0			335264100.0	Y
3	IC 180-402627/3	0.04	12650321.0			316258025.0	Y
4	ICRT 180-402627/4	0.08	22098978.0			276237225.0	Y
5	IC 180-402627/5	0.16	41083890.0			256774312.5	Y
6	IC 180-402627/6	0.32	77157157.0			241116115.625	Y
7	IC 180-402627/7	0.64	150494787.0			235148104.6875	Y



Calibration / Pentachlorophenol

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

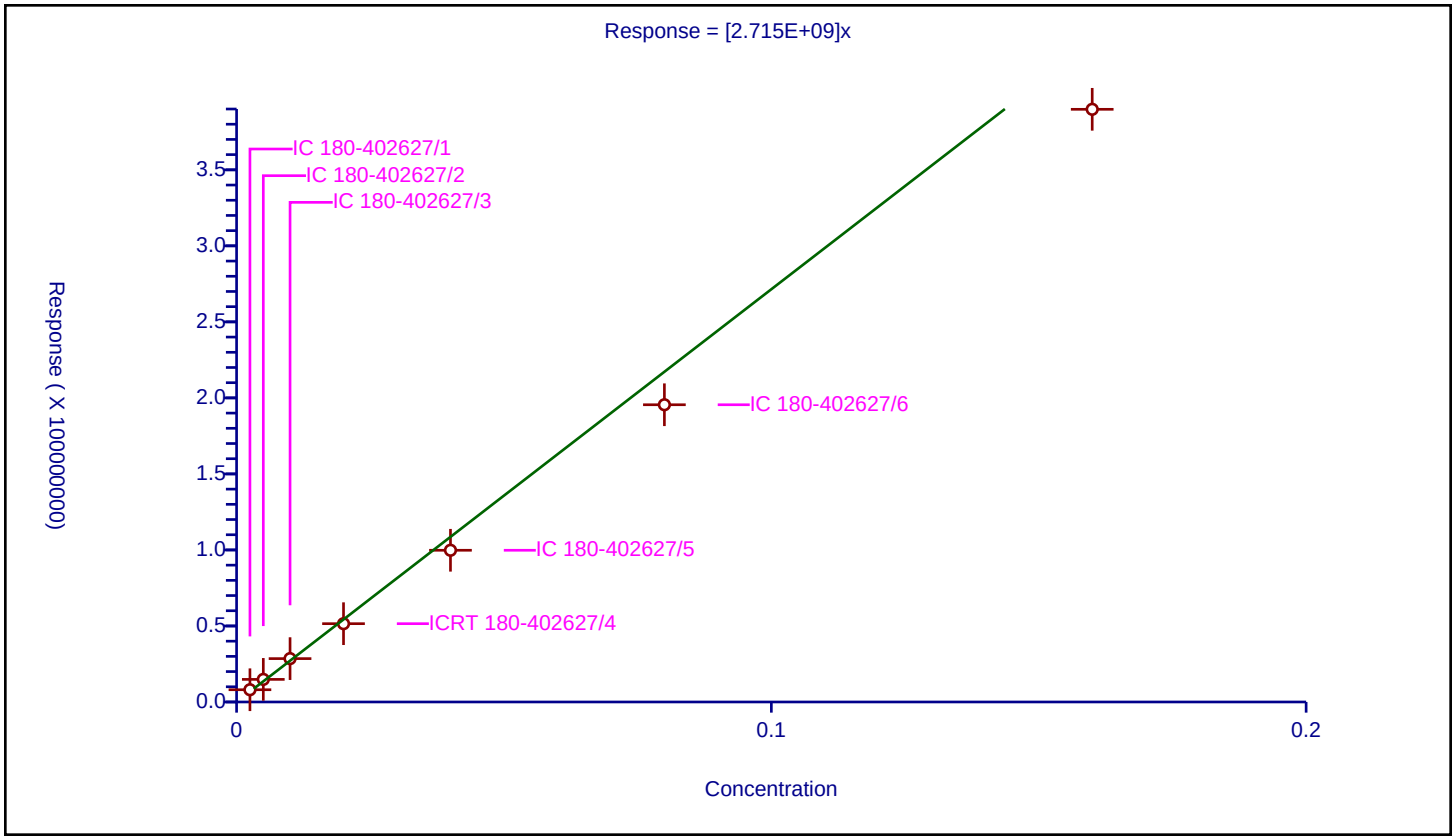
Curve Coefficients

Intercept:	0
Slope:	2.715E+09

Error Coefficients

Standard Error:	20600000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	8067400.0			3226960000.0	Y
2	IC 180-402627/2	0.005	14862406.0			2972481200.0	Y
3	IC 180-402627/3	0.01	28529047.0			2852904700.0	Y
4	ICRT 180-402627/4	0.02	51500311.0			2575015550.0	Y
5	IC 180-402627/5	0.04	99783776.0			2494594400.0	Y
6	IC 180-402627/6	0.08	195502929.0			2443786612.5	Y
7	IC 180-402627/7	0.16	389809329.0			2436308306.25	Y



Calibration / Silvex (2,4,5-TP)

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

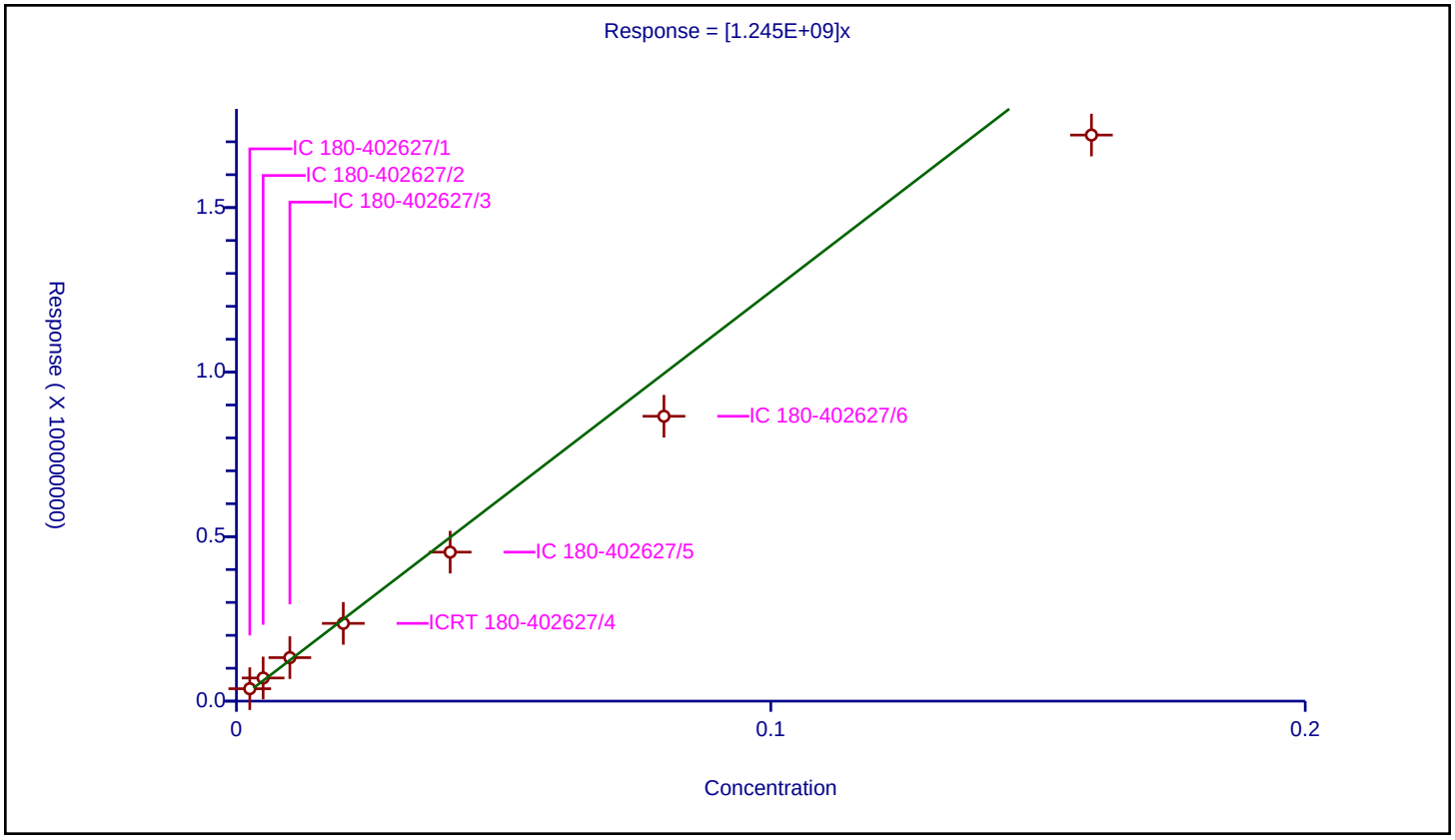
Curve Coefficients

Intercept:	0
Slope:	1.245E+09

Error Coefficients

Standard Error:	12400000
Relative Standard Error:	13.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	3777612.0			1511044800.0	Y
2	IC 180-402627/2	0.005	7037905.0			1407581000.0	Y
3	IC 180-402627/3	0.01	13219969.0			1321996900.0	Y
4	ICRT 180-402627/4	0.02	23632881.0			1181644050.0	Y
5	IC 180-402627/5	0.04	45288241.0			1132206025.0	Y
6	IC 180-402627/6	0.08	86583472.0			1082293400.0	Y
7	IC 180-402627/7	0.16	172050656.0			1075316600.0	Y



Calibration / 2,4,5-T

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

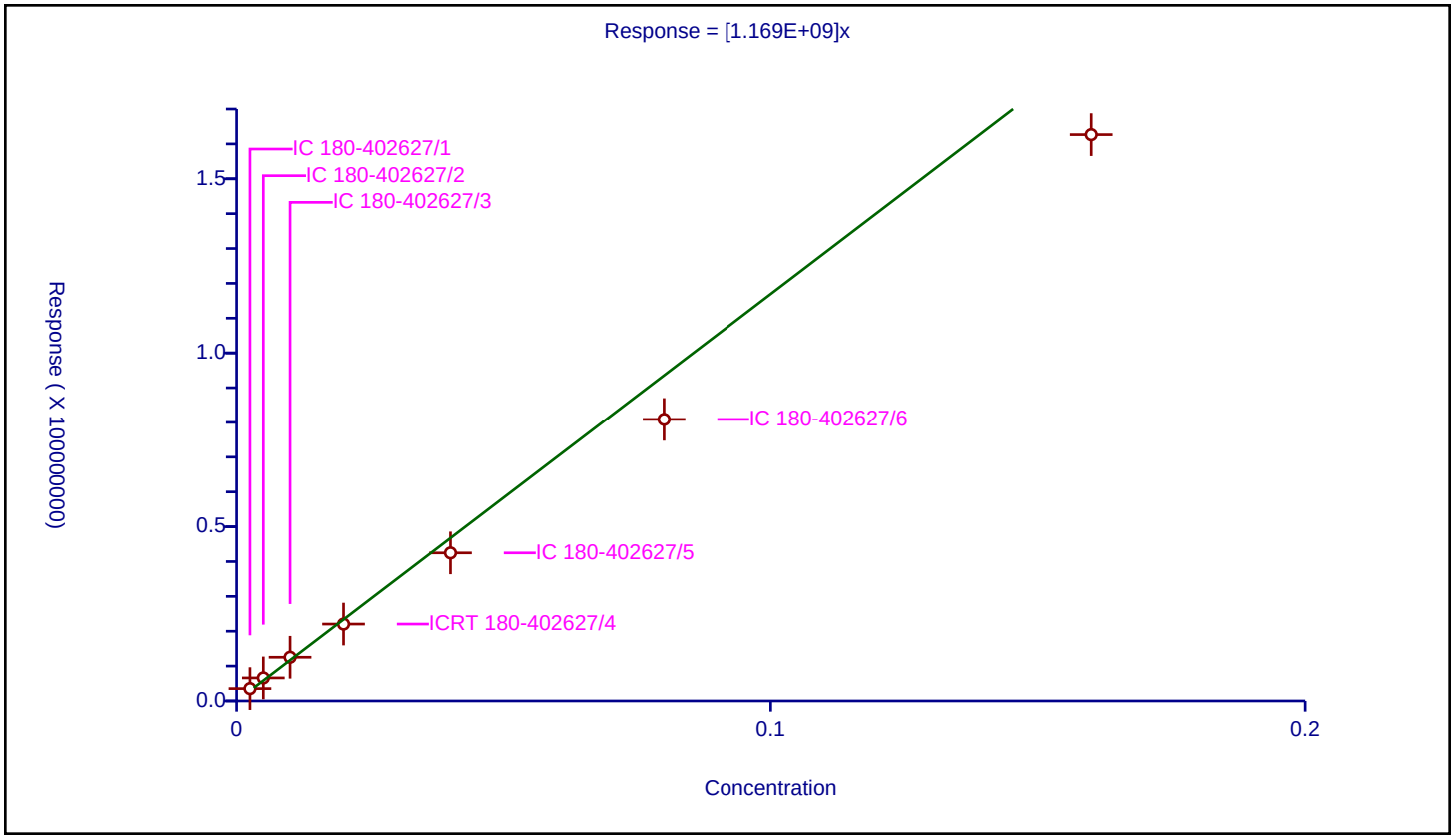
Curve Coefficients

Intercept:	0
Slope:	1.169E+09

Error Coefficients

Standard Error:	11400000
Relative Standard Error:	13.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	3540392.0			1416156800.0	Y
2	IC 180-402627/2	0.005	6609130.0			1321826000.0	Y
3	IC 180-402627/3	0.01	12535572.0			1253557200.0	Y
4	ICRT 180-402627/4	0.02	22058425.0			1102921250.0	Y
5	IC 180-402627/5	0.04	42491862.0			1062296550.0	Y
6	IC 180-402627/6	0.08	80874106.0			1010926325.0	Y
7	IC 180-402627/7	0.16	162669499.0			1016684368.75	Y



Calibration / Dinoseb

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

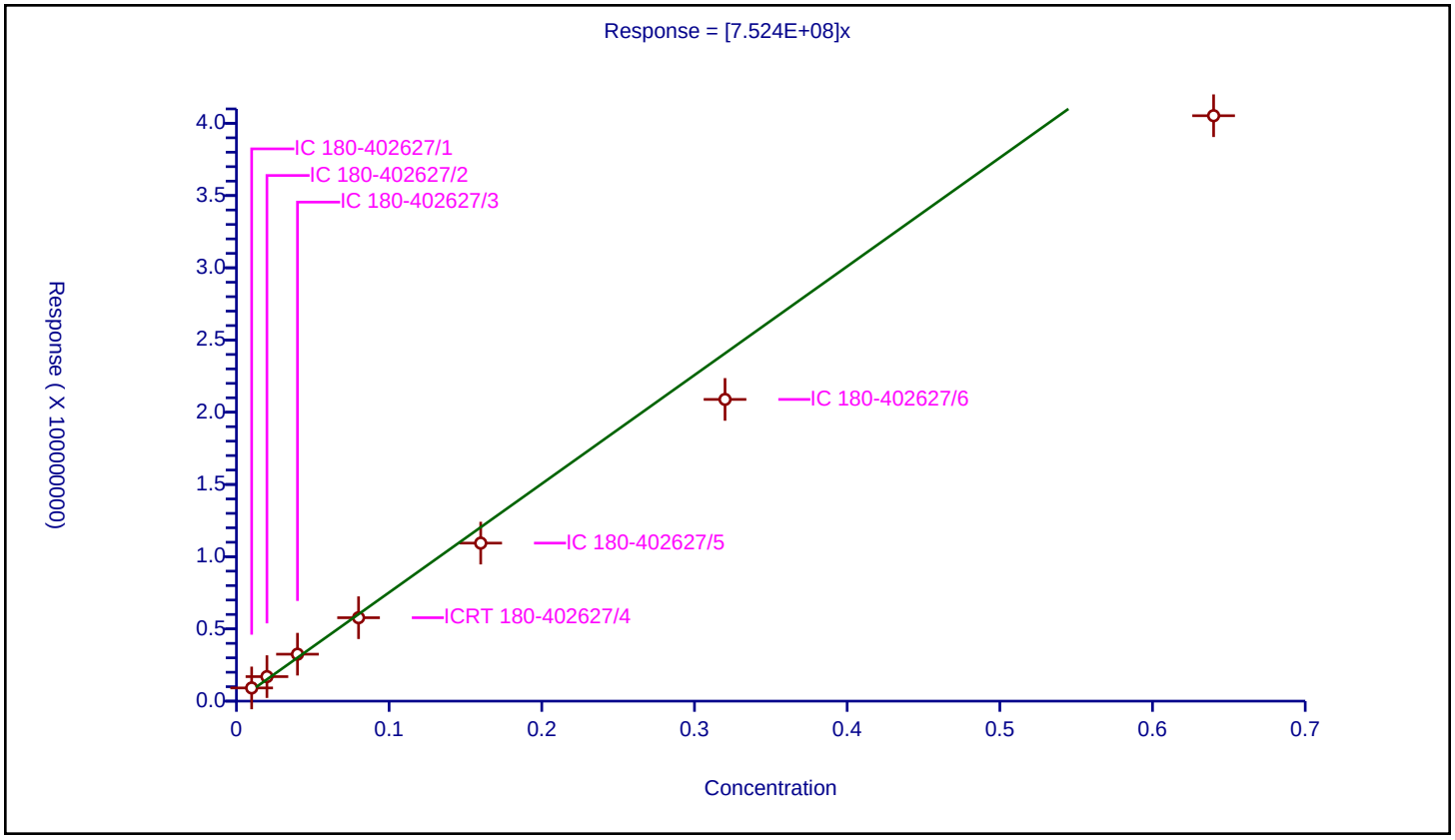
Curve Coefficients

Intercept:	0
Slope:	7.524E+08

Error Coefficients

Standard Error:	34100000
Relative Standard Error:	14.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	9132618.0			913261800.0	Y
2	IC 180-402627/2	0.02	16980585.0			849029250.0	Y
3	IC 180-402627/3	0.04	32506027.0			812650675.0	Y
4	ICRT 180-402627/4	0.08	57765451.0			722068137.5	Y
5	IC 180-402627/5	0.16	109396279.0			683726743.75	Y
6	IC 180-402627/6	0.32	208877260.0			652741437.5	Y
7	IC 180-402627/7	0.64	405287559.0			633261810.9375	Y



Calibration / 2,4-DB

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

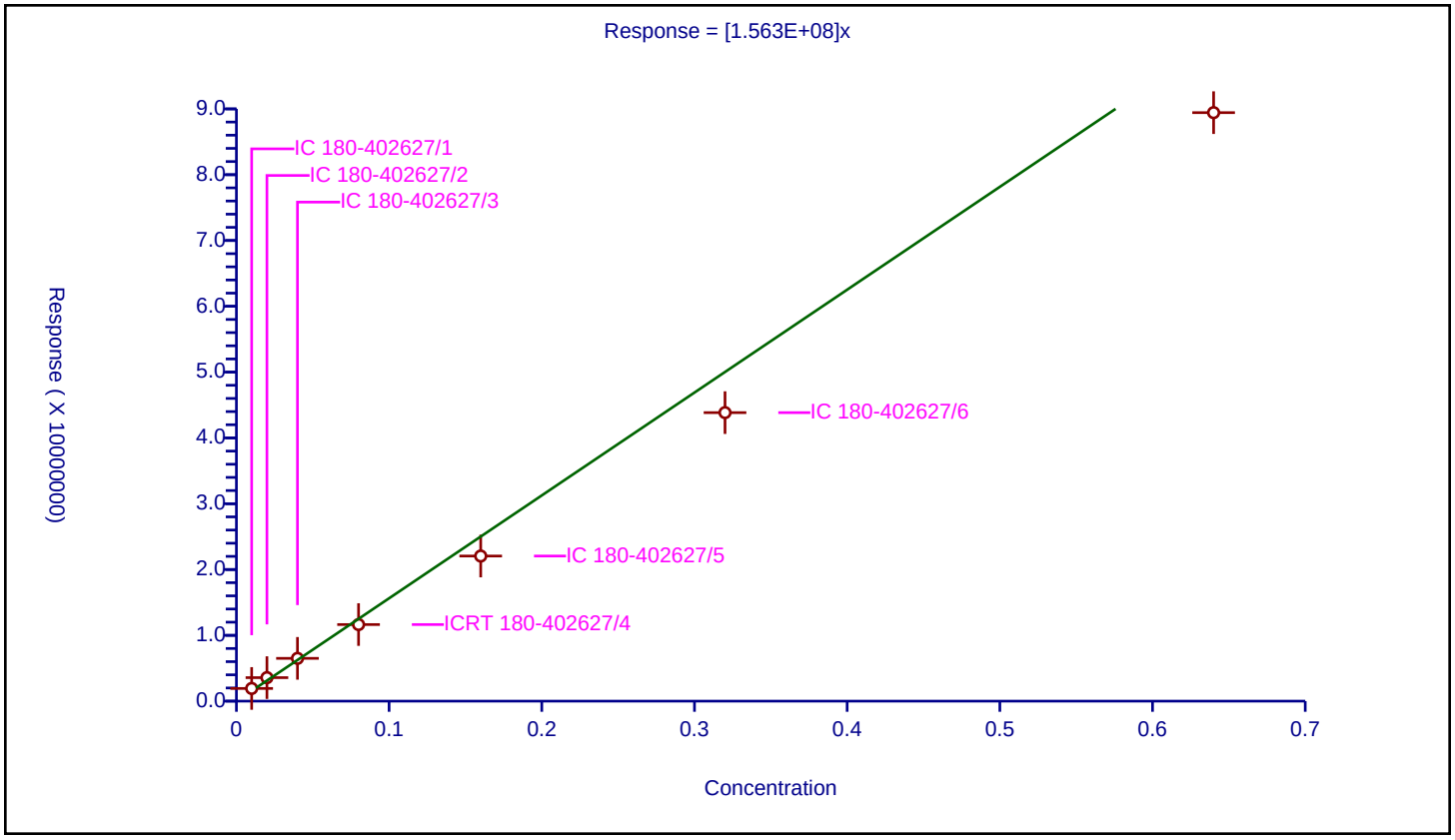
Curve Coefficients

Intercept:	0
Slope:	1.563E+08

Error Coefficients

Standard Error:	5170000
Relative Standard Error:	14.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	1930249.0			193024900.0	Y
2	IC 180-402627/2	0.02	3571645.0			178582250.0	Y
3	IC 180-402627/3	0.04	6500171.0			162504275.0	Y
4	ICRT 180-402627/4	0.08	11637006.0			145462575.0	Y
5	IC 180-402627/5	0.16	22050869.0			137817931.25	Y
6	IC 180-402627/6	0.32	43845094.0			137015918.75	Y
7	IC 180-402627/7	0.64	89427724.0			139730818.75	Y



FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48859

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dalapon	2.345	2.347	2.348	2.348	2.349	2.348	2.347				2.318 - 2.378	2.347
Dicamba	8.231	8.234	8.234	8.235	8.235	8.235	8.233				8.205 - 8.265	8.234
MCPP	8.395	8.397	8.398	8.398	8.398	8.398	8.395				8.368 - 8.428	8.397
MCPA	8.700	8.703	8.704	8.704	8.704	8.705	8.701				8.674 - 8.734	8.703
Dichlorprop	9.062	9.066	9.067	9.067	9.068	9.067	9.064				9.037 - 9.097	9.066
2,4-D	9.459	9.462	9.462	9.462	9.462	9.462	9.459				9.432 - 9.492	9.461
Pentachlorophenol	9.655	9.658	9.658	9.658	9.659	9.660	9.656				9.628 - 9.688	9.658
Silvex (2,4,5-TP)	10.231	10.234	10.234	10.234	10.234	10.235	10.231				10.204 - 10.264	10.233
2,4,5-T	10.683	10.686	10.688	10.687	10.688	10.688	10.684				10.657 - 10.717	10.686
2,4-DB	11.116	11.119	11.120	11.120	11.121	11.120	11.116				11.090 - 11.150	11.119
Dinoseb	11.762	11.765	11.764	11.764	11.766	11.767	11.762				11.734 - 11.794	11.764
2,4-Dichlorophenylacetic acid (Surr)	7.965	7.966	7.967	7.967	7.967	7.967	7.964				7.937 - 7.997	7.966

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48859

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dalapon	362833700 283903919	335677450 278817534	320123600 289180253	290467063	Ave		308714788				10.3		20.0			
Dicamba	933278200 854838175	885719500 861335563	900994700 898011797	845104550	Ave		882754641				3.5		20.0			
MCPP	1608717 1118769	1459170 1076681	1355994 1068499	1179492	Ave		1266760.03				16.6		20.0			
MCPA	2299165 1565848	2044645 1510290	1884837 1513151	1655963	Ave		1781985.41				17.1		20.0			
Dichlorprop	284010800 233717388	262542850 232949084	256516650 238642327	235451650	Ave		249118678				7.8		20.0			
2,4-D	320357400 270970925	303403500 271337566	297625000 280157430	272309075	Ave		288022985				6.7		20.0			
Pentachlorophenol	299976440 278154105 0	291130880 281091403 8	294990950 296019035 0	276505030 0	Ave		288266834 8				3.3		20.0			
Silvex (2,4,5-TP)	137731880 127497447 5	133722780 126831967 5	135610610 131479687 5	127482955 0	Ave		131479618 2				3.3		20.0			
2,4,5-T	127937440 113418810 0	122787420 113950186 3	122718390 117725897 5	114220860 0	Ave		118965572 0				4.7		20.0			
2,4-DB	173546800 150013094	164294250 152137888	162652825 160080736	149759363	Ave		158926422				5.6		20.0			
Dinoseb	794409500 660523738	743964700 651741116	729863225 680875573	668090425	Ave		704209754				7.5		20.0			
2,4-Dichlorophenylacetic acid (Surr)	333040000 265645688	312618750 249864828	299492375 251961164	266827750	Ave		282778651				11.4		20.0			

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

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48859

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		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
Dalapon	Ave	3628337 89221611	6713549 185075362	12804944	23237365	45424627	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
Dicamba	Ave	4666391 137813690	8857195 287363775	18019894	33804182	68387054	0.00500 0.160	0.0100 0.320	0.0200	0.0400	0.0800
MCPP	Ave	1608717 34453787	2918340 68383919	5423974	9435933	17900296	1.00 32.0	2.00 64.0	4.00	8.00	16.0
MCPA	Ave	2299165 48329293	4089289 96841652	7539346	13247705	25053560	1.00 32.0	2.00 64.0	4.00	8.00	16.0
Dichlorprop	Ave	2840108 74543707	5250857 152731089	10260666	18836132	37394782	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
2,4-D	Ave	3203574 86828021	6068070 179300755	11905000	21784726	43355348	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
Pentachlorophenol	Ave	7499411 224873123	14556544 473630456	29499095	55301006	111261642	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	3443297 101465574	6686139 210367500	13561061	25496591	50998979	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
2,4,5-T	Ave	3198436 91160149	6139371 188361436	12271839	22844172	45367524	0.00250 0.0800	0.00500 0.160	0.0100	0.0200	0.0400
2,4-DB	Ave	1735468 48684124	3285885 102451671	6506113	11980749	24002095	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
Dinoseb	Ave	7944095 208557157	14879294 435760367	29194529	53447234	105683798	0.0100 0.320	0.0200 0.640	0.0400	0.0800	0.160
2,4-Dichlorophenylacetic acid (Surr)	Ave	666080 15991349	1250475 32251029	2395939	4269244	8500662	0.00200 0.0640	0.00400 0.128	0.00800	0.0160	0.0320

Curve Type Legend
Ave = Average by Height

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1 Analy Batch No.: 402627

SDG No.:

Instrument ID: CGC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2022 06:42 Calibration End Date: 06/21/2022 08:40 Calibration ID: 48859

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-402627/1	0621220000005.D
Level 2	IC 180-402627/2	0621220000006.D
Level 3	IC 180-402627/3	0621220000007.D
Level 4	ICRT 180-402627/4	0621220000008.D
Level 5	IC 180-402627/5	0621220000009.D
Level 6	IC 180-402627/6	0621220000010.D
Level 7	IC 180-402627/7	0621220000011.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
Dalapon	17.5 -6.3	8.7	3.7	-5.9	-8.0	-9.7	50 30	30	30	30	30	30
Dicamba	5.7 1.7	0.3	2.1	-4.3	-3.2	-2.4	50 30	30	30	30	30	30
MCPP	27.0 -15.7	15.2	7.0	-6.9	-11.7	-15.0	50 30	30	30	30	30	30
MCPA	29.0 -15.1	14.7	5.8	-7.1	-12.1	-15.2	50 30	30	30	30	30	30
Dichlorprop	14.0 -4.2	5.4	3.0	-5.5	-6.2	-6.5	50 30	30	30	30	30	30
2,4-D	11.2 -2.7	5.3	3.3	-5.5	-5.9	-5.8	50 30	30	30	30	30	30
Pentachlorophenol	4.1 2.7	1.0	2.3	-4.1	-3.5	-2.5	50 30	30	30	30	30	30
Silvex (2,4,5-TP)	4.8 0.0	1.7	3.1	-3.0	-3.0	-3.5	50 30	30	30	30	30	30
2,4,5-T	7.5 -1.0	3.2	3.2	-4.0	-4.7	-4.2	50 30	30	30	30	30	30
2,4-DB	9.2 0.7	3.4	2.3	-5.8	-5.6	-4.3	50 30	30	30	30	30	30
Dinoseb	12.8 -3.3	5.6	3.6	-5.1	-6.2	-7.5	50 30	30	30	30	30	30
2,4-Dichlorophenylacetic acid (Surr)	17.8 -10.9	10.6	5.9	-5.6	-6.1	-11.6	50 30	30	30	30	30	30

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Jun-2022 06:42:57 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-001
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:10 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.145	2.147	-0.002	4383449H	0.0100	0.006659	
2	2.345	2.348	-0.003	3628337H	0.0100	0.0118	
						RPD = 55.34	
$ 2 2,4-Dichlorophenylacetic acid							M
1	7.947	7.948	-0.001	765724H	0.002000	0.002444	
2	7.965	7.967	-0.002	666080H	0.002000	0.002355	M
						RPD = 3.70	
3 MCPP							
1	8.162	8.166	-0.004	732699H	1.00	0.8880	
2	8.395	8.398	-0.003	1608717H	1.00	1.27	
						RPD = 35.40	
4 Dicamba							
1	8.241	8.245	-0.004	5504799H	0.005000	0.006155	
2	8.231	8.235	-0.004	4666391H	0.005000	0.005286	
						RPD = 15.19	
5 MCPA							M
1	8.582	8.585	-0.003	1740759H	1.00	0.6426	
2	8.700	8.704	-0.004	2299165H	1.00	1.29	M
						RPD = 67.02	
6 Dichlorprop							
1	8.861	8.866	-0.005	3173099H	0.0100	0.0128	
2	9.062	9.067	-0.005	2840108H	0.0100	0.0114	
						RPD = 11.76	
7 2,4-D							
1	9.352	9.355	-0.003	3702979H	0.0100	0.0128	
2	9.459	9.462	-0.003	3203574H	0.0100	0.0111	
						RPD = 13.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.878	9.881	-0.003	8067400H	0.002500	0.002972	
2	9.655	9.658	-0.003	7499411H	0.002500	0.002602	
						RPD = 13.29	
9 Silvex (2,4,5-TP)							
1	10.033	10.037	-0.004	3777612H	0.002500	0.003035	
2	10.231	10.234	-0.003	3443297H	0.002500	0.002619	
						RPD = 14.73	
10 2,4,5-T							
1	10.581	10.585	-0.004	3540392H	0.002500	0.003028	
2	10.683	10.687	-0.004	3198436H	0.002500	0.002689	
						RPD = 11.88	
11 Dinoseb							
1	10.837	10.840	-0.003	9132618H	0.0100	0.0121	
2	11.762	11.764	-0.002	7944095H	0.0100	0.0113	
						RPD = 7.32	
12 2,4-DB							
1	10.965	10.967	-0.002	1930249H	0.0100	0.0123	
2	11.116	11.120	-0.004	1735468H	0.0100	0.0109	
						RPD = 12.28	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL7_00022 Amount Added: 1.00 Units: mL

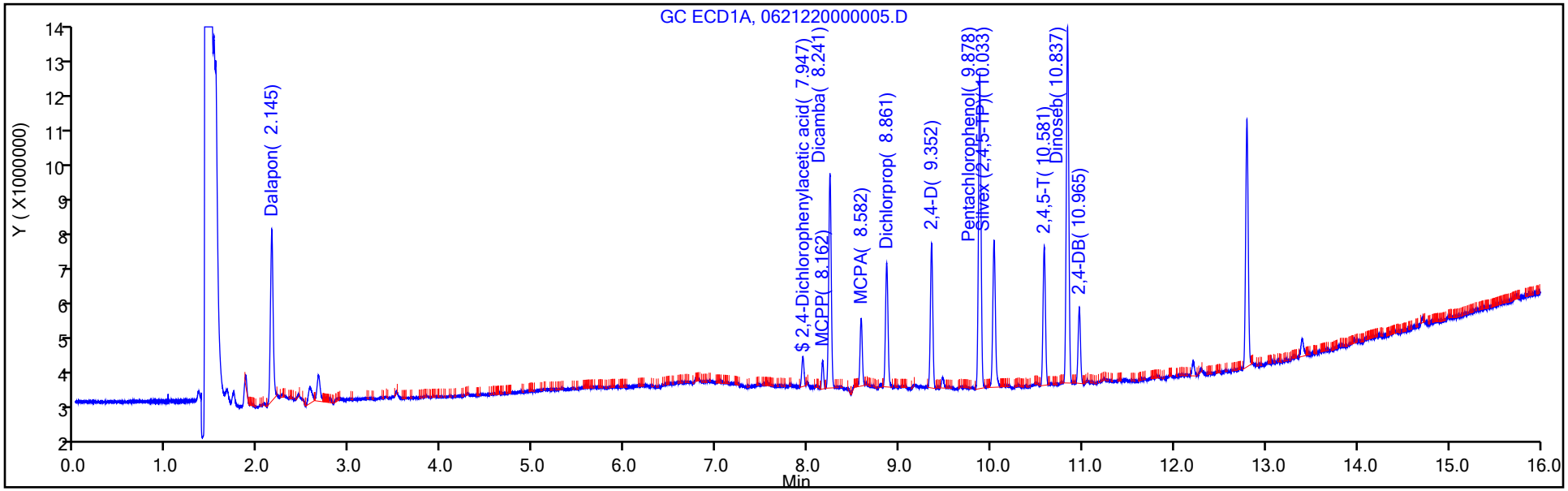
Report Date: 22-Jun-2022 08:51:11 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

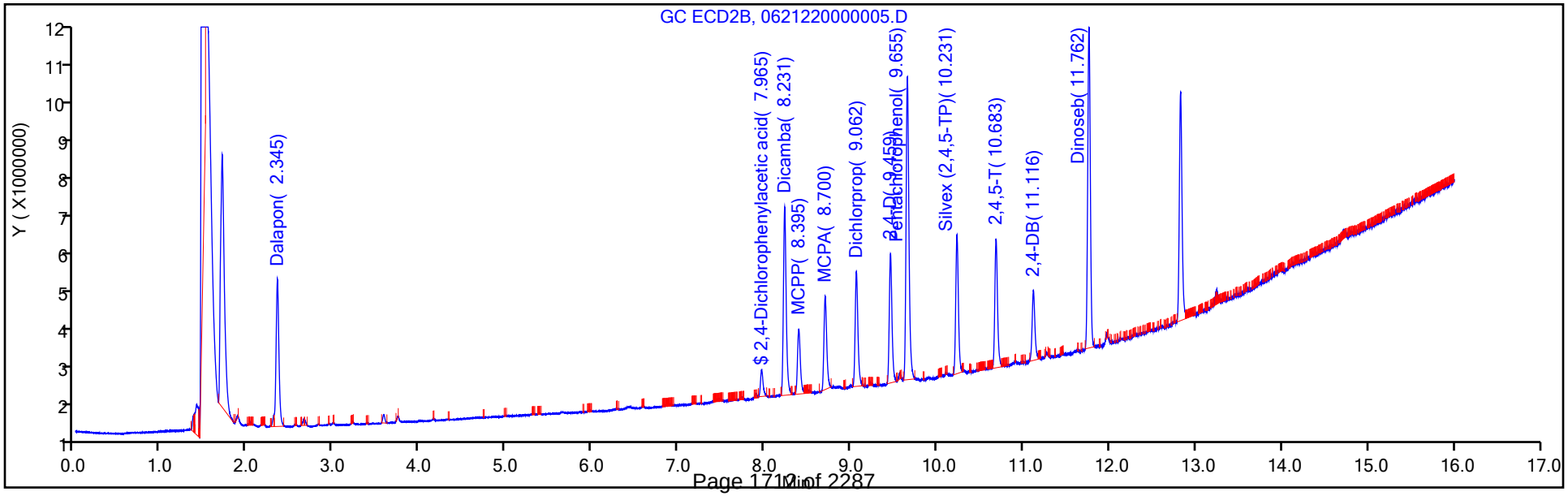
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D

Injection Date:	21-Jun-2022 06:42:57	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

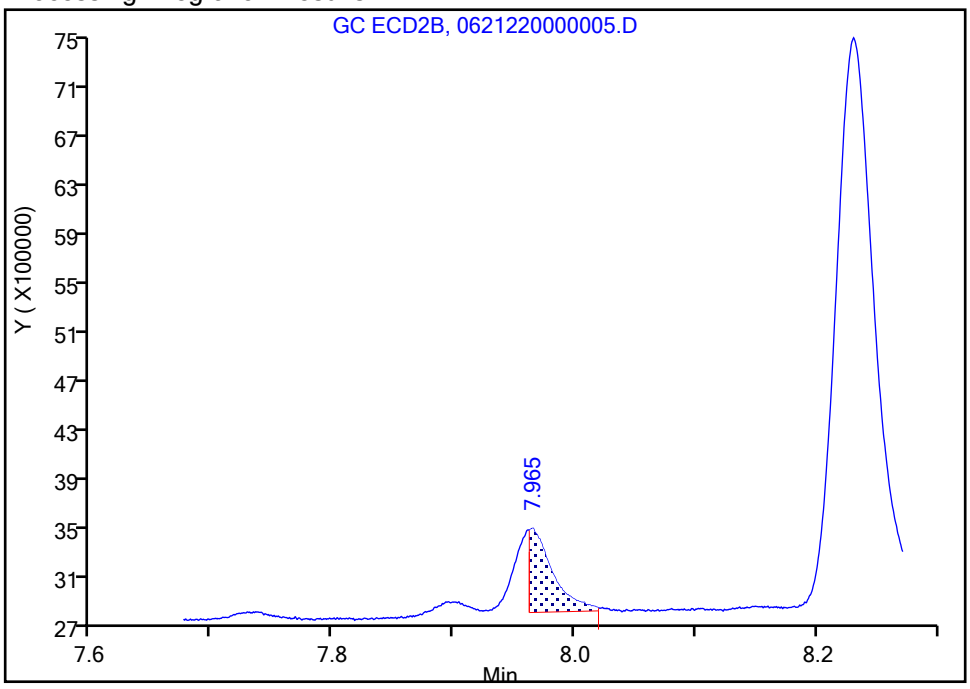
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D
Injection Date: 21-Jun-2022 06:42:57 Instrument ID: CGC1
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

$ 2 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

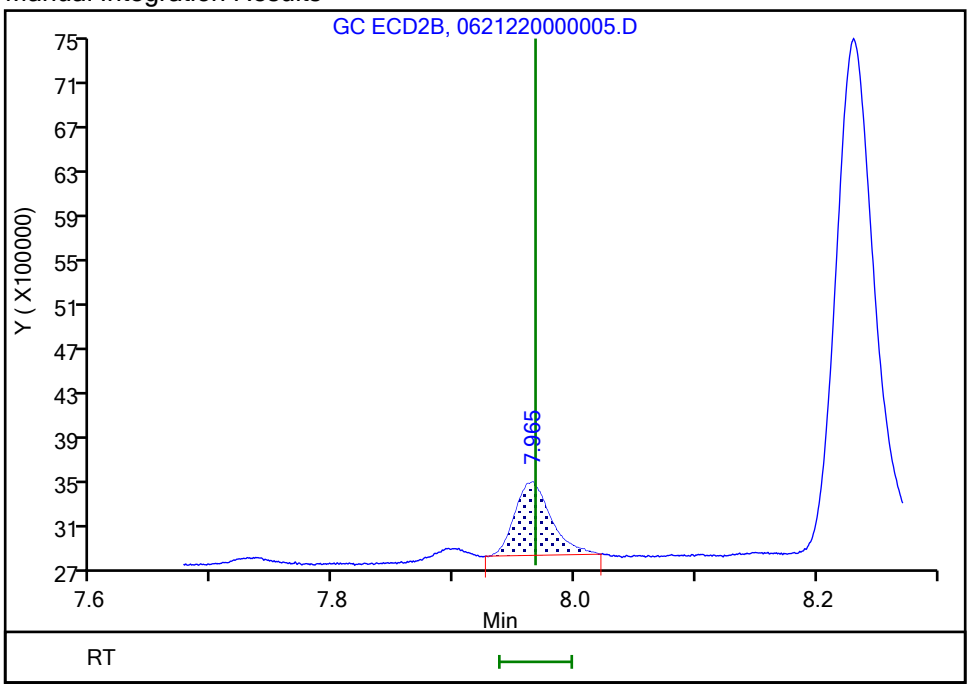
Processing Integration Results

RT: 7.97
Height: 690984
Amount: 0.002428
Amount Units: ng



Manual Integration Results

RT: 7.97
Height: 666080
Amount: 0.002355
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:36:43
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

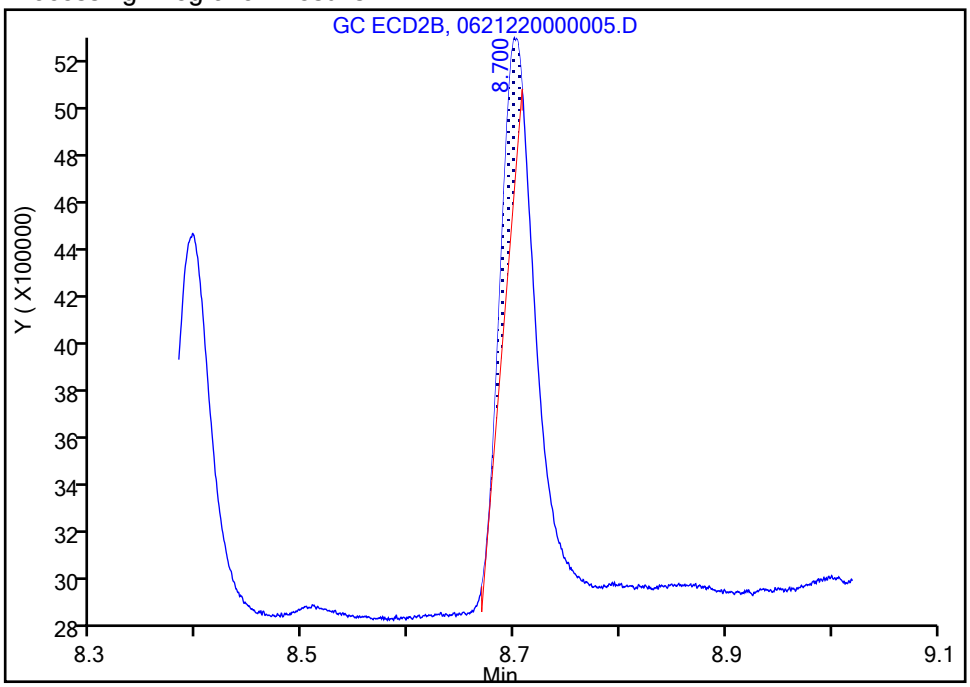
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000005.D
Injection Date: 21-Jun-2022 06:42:57 Instrument ID: CGC1
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

5 MCPA, CAS: 94-74-6

Signal: 2

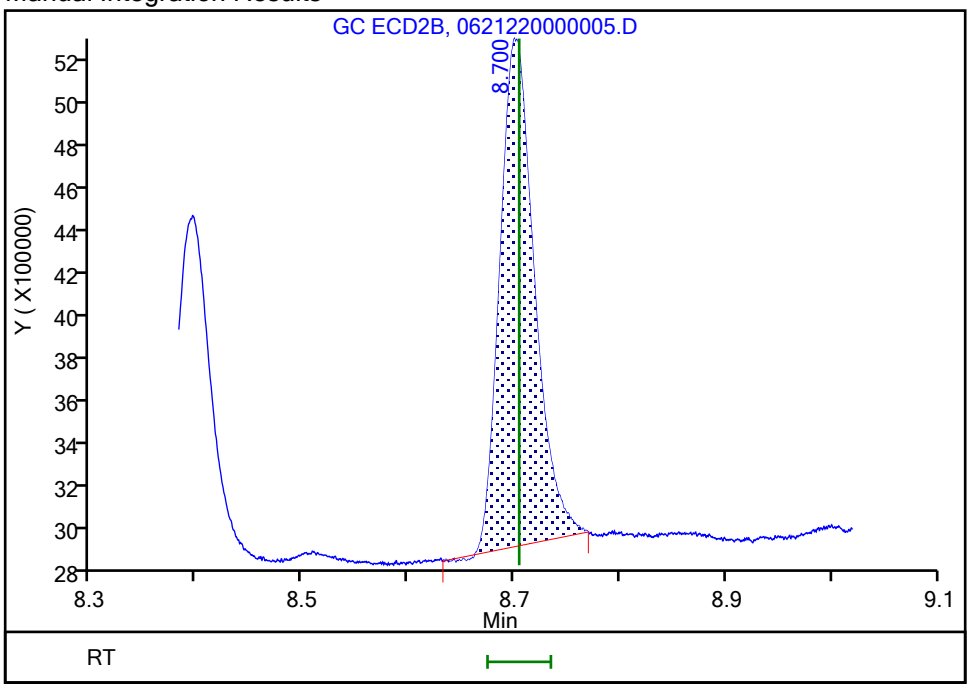
Processing Integration Results

RT: 8.70
Height: 619767
Amount: 0.401906
Amount Units: ng



Manual Integration Results

RT: 8.70
Height: 2299165
Amount: 1.290227
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:36:51
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jun-2022 07:02:42 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-002
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:12 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	8191267H	0.0200	0.0211	
2	2.347	2.348	-0.001	6713549H	0.0200	0.0217	
						RPD = 2.85	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.950	7.948	0.002	1435882H	0.004000	0.004584	
2	7.966	7.967	-0.001	1250475H	0.004000	0.004422	
						RPD = 3.59	
3 MCPP							
1	8.165	8.166	-0.001	1708930H	2.00	2.07	
2	8.397	8.398	-0.001	2918340H	2.00	2.30	
						RPD = 10.64	
4 Dicamba							
1	8.246	8.245	0.001	10132535H	0.0100	0.0113	
2	8.234	8.235	-0.001	8857195H	0.0100	0.0100	
						RPD = 12.13	
5 MCPA							
1	8.585	8.585	0.000	3357800H	2.00	2.13	
2	8.703	8.704	-0.001	4089289H	2.00	2.29	
						RPD = 7.34	
6 Dichlorprop							
1	8.865	8.866	-0.001	5812801H	0.0200	0.0235	
2	9.066	9.067	-0.001	5250857H	0.0200	0.0211	
						RPD = 10.85	
7 2,4-D							
1	9.355	9.355	0.000	6705282H	0.0200	0.0231	
2	9.462	9.462	0.000	6068070H	0.0200	0.0211	
						RPD = 9.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	14862406H	0.005000	0.005475	
2	9.658	9.658	0.000	14556544H	0.005000	0.005050	
						RPD = 8.08	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	7037905H	0.005000	0.005655	
2	10.234	10.234	0.000	6686139H	0.005000	0.005085	
						RPD = 10.61	
10 2,4,5-T							
1	10.584	10.585	-0.001	6609130H	0.005000	0.005653	
2	10.686	10.687	-0.001	6139371H	0.005000	0.005161	
						RPD = 9.10	
11 Dinoseb							
1	10.839	10.840	-0.001	16980585H	0.0200	0.0226	
2	11.765	11.764	0.001	14879294H	0.0200	0.0211	
						RPD = 6.59	
12 2,4-DB							
1	10.968	10.967	0.001	3571645H	0.0200	0.0229	
2	11.119	11.120	-0.001	3285885H	0.0200	0.0207	
						RPD = 9.99	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL1_00032 Amount Added: 1.00 Units: mL

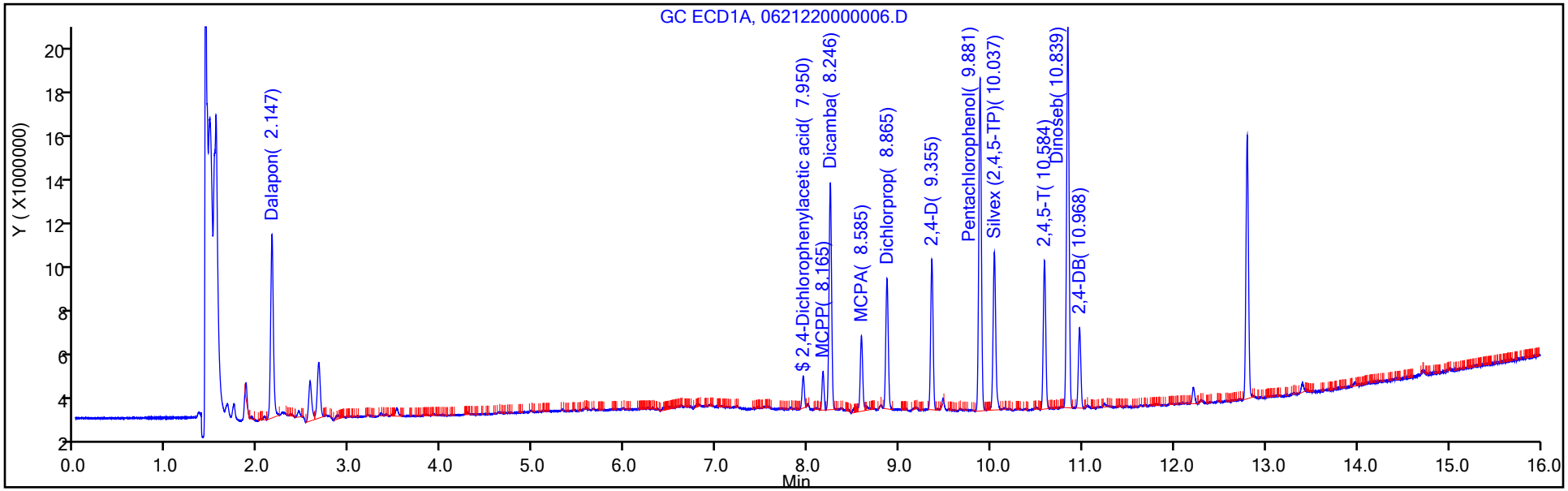
Report Date: 22-Jun-2022 08:51:14 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

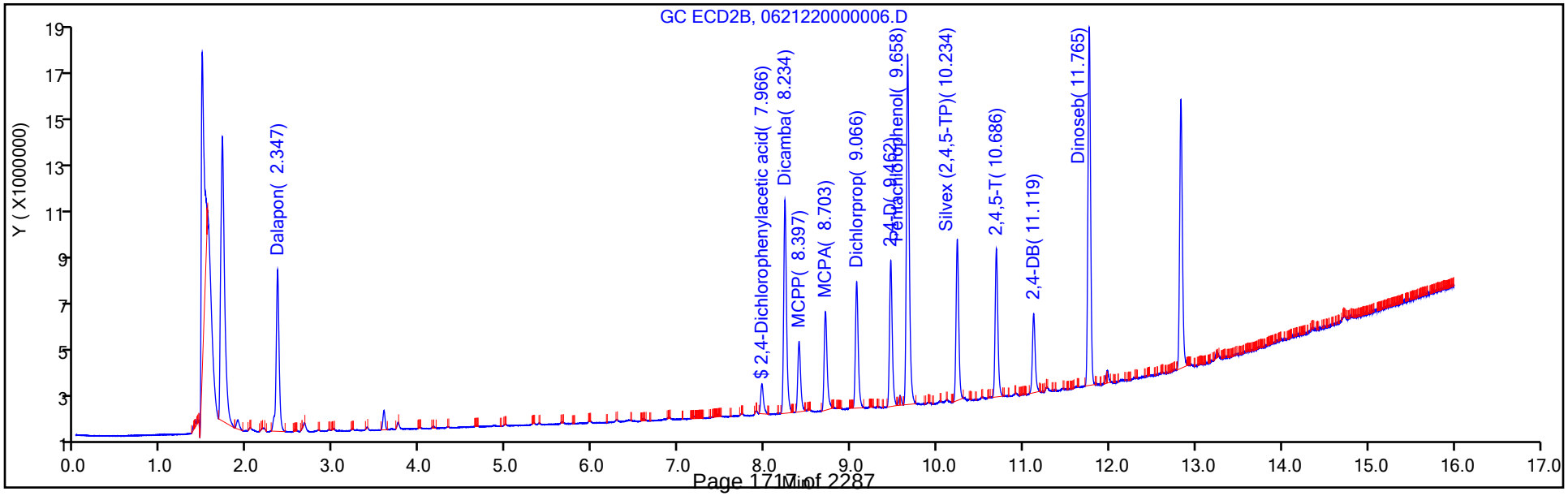
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000006.D

Injection Date:	21-Jun-2022 07:02:42	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jun-2022 07:22:21 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-003
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:14 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:37:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	14616100H	0.0400	0.0456	
2	2.348	2.348	0.000	12804944H	0.0400	0.0415	
						RPD = 9.38	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.950	7.948	0.002	2681126H	0.008000	0.008559	
2	7.967	7.967	0.000	2395939H	0.008000	0.008473	
						RPD = 1.01	
3 MCPP							
1	8.167	8.166	0.001	3684998H	4.00	4.47	
2	8.398	8.398	0.000	5423974H	4.00	4.28	
						RPD = 4.21	
4 Dicamba							
1	8.246	8.245	0.001	19412334H	0.0200	0.0217	
2	8.234	8.235	-0.001	18019894H	0.0200	0.0204	
						RPD = 6.13	
5 MCPA							
1	8.585	8.585	0.000	6286576H	4.00	4.83	
2	8.704	8.704	0.000	7539346H	4.00	4.23	
						RPD = 13.23	
6 Dichlorprop							
1	8.864	8.866	-0.002	10938537H	0.0400	0.0442	
2	9.067	9.067	0.000	10260666H	0.0400	0.0412	
						RPD = 7.08	
7 2,4-D							
1	9.355	9.355	0.000	12650321H	0.0400	0.0436	
2	9.462	9.462	0.000	11905000H	0.0400	0.0413	
						RPD = 5.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	28529047H	0.0100	0.0105	
2	9.658	9.658	0.000	29499095H	0.0100	0.0102	
						RPD = 2.66	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	13219969H	0.0100	0.0106	
2	10.234	10.234	0.000	13561061H	0.0100	0.0103	
						RPD = 2.94	
10 2,4,5-T							
1	10.585	10.585	0.000	12535572H	0.0100	0.0107	
2	10.688	10.687	0.001	12271839H	0.0100	0.0103	
						RPD = 3.86	
11 Dinoseb							
1	10.840	10.840	0.000	32506027H	0.0400	0.0432	
2	11.764	11.764	0.000	29194529H	0.0400	0.0415	
						RPD = 4.13	
12 2,4-DB							
1	10.968	10.967	0.001	6500171H	0.0400	0.0416	
2	11.120	11.120	0.000	6506113H	0.0400	0.0409	
						RPD = 1.57	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL2_00028 Amount Added: 1.00 Units: mL

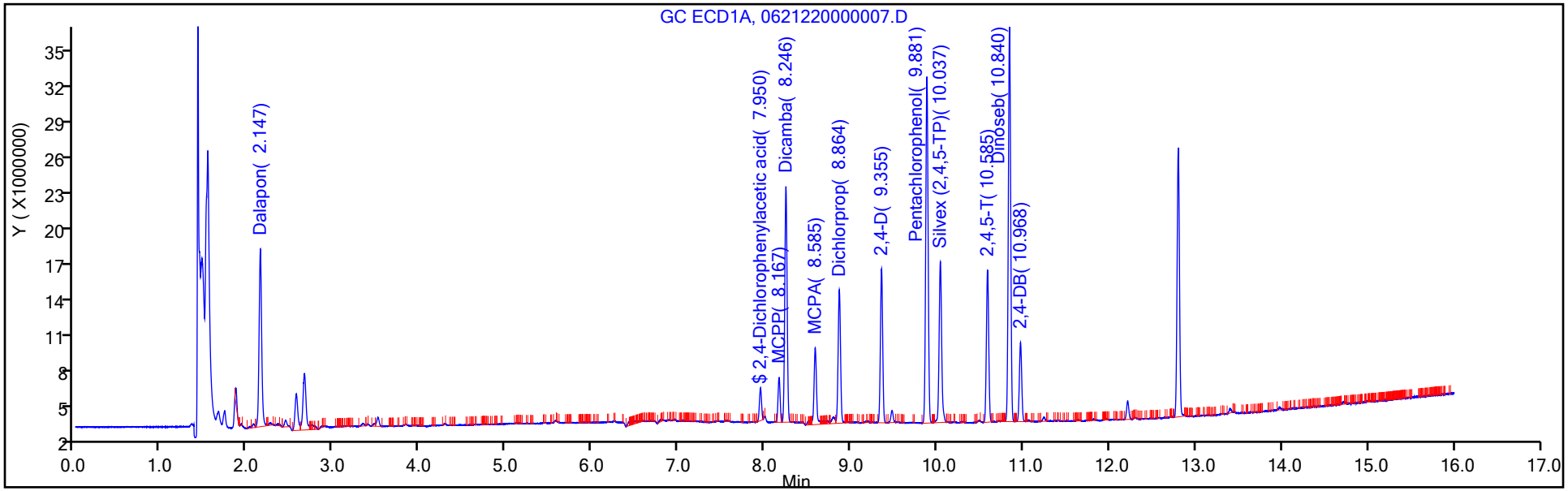
Report Date: 22-Jun-2022 08:51:16 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

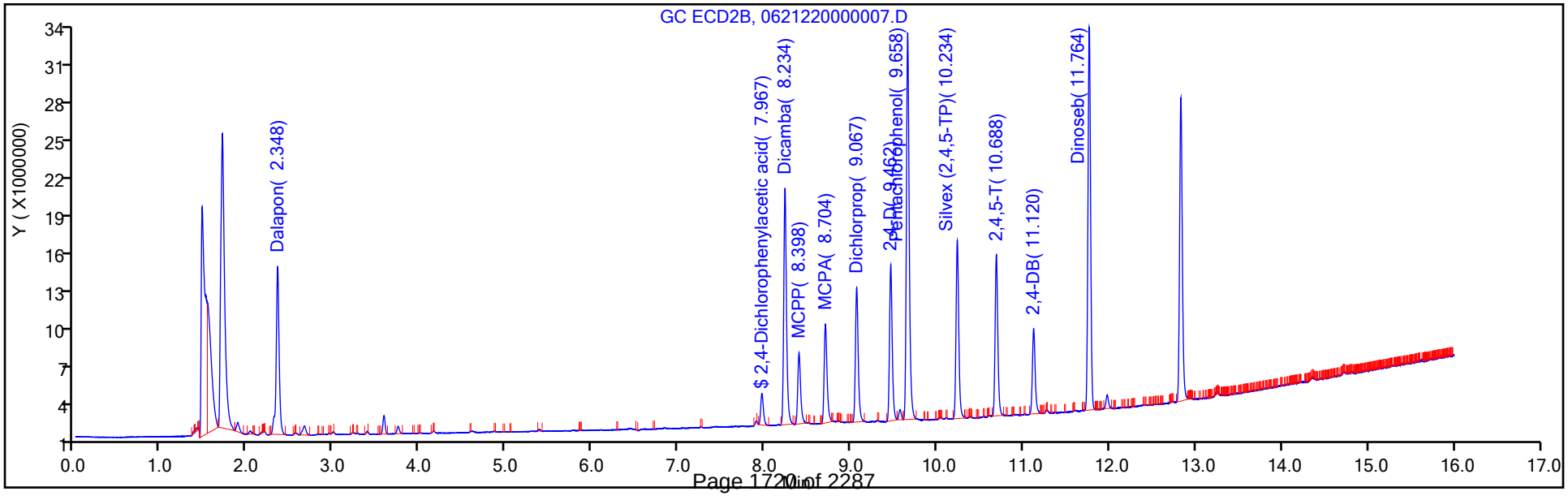
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000007.D

Injection Date:	21-Jun-2022 07:22:21	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000008.D
Lims ID: ICRT
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 21-Jun-2022 07:41:53 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-004
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:16 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:36:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.147	2.147	0.000	25965538H	0.0800	0.0887	
2	2.348	2.348	0.000	23237365H	0.0800	0.0753	
						RPD = 16.39	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.948	7.948	0.000	4968153H	0.0160	0.0159	
2	7.967	7.967	0.000	4269244H	0.0160	0.0151	
						RPD = 4.92	
3 MCPP							
1	8.166	8.166	0.000	6857163H	8.00	8.31	
2	8.398	8.398	0.000	9435933H	8.00	7.45	
						RPD = 10.93	
4 Dicamba							
1	8.245	8.245	0.000	33795507H	0.0400	0.0378	
2	8.235	8.235	0.000	33804182H	0.0400	0.0383	
						RPD = 1.33	
5 MCPA							
1	8.585	8.585	0.000	10483506H	8.00	8.70	
2	8.704	8.704	0.000	13247705H	8.00	7.43	
						RPD = 15.66	
6 Dichlorprop							
1	8.866	8.866	0.000	18687025H	0.0800	0.0755	
2	9.067	9.067	0.000	18836132H	0.0800	0.0756	
						RPD = 0.10	
7 2,4-D							
1	9.355	9.355	0.000	22098978H	0.0800	0.0762	
2	9.462	9.462	0.000	21784726H	0.0800	0.0756	
						RPD = 0.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.881	9.881	0.000	51500311H	0.0200	0.0190	
2	9.658	9.658	0.000	55301006H	0.0200	0.0192	
						RPD = 1.11	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	23632881H	0.0200	0.0190	
2	10.234	10.234	0.000	25496591H	0.0200	0.0194	
						RPD = 2.10	
10 2,4,5-T							
1	10.585	10.585	0.000	22058425H	0.0200	0.0189	
2	10.687	10.687	0.000	22844172H	0.0200	0.0192	
						RPD = 1.77	
11 Dinoseb							
1	10.840	10.840	0.000	57765451H	0.0800	0.0768	
2	11.764	11.764	0.000	53447234H	0.0800	0.0759	
						RPD = 1.15	
12 2,4-DB							
1	10.967	10.967	0.000	11637006H	0.0800	0.0745	
2	11.120	11.120	0.000	11980749H	0.0800	0.0754	
						RPD = 1.25	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2022 08:51:18 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000008.D

Injection Date: 21-Jun-2022 07:41:53 Instrument ID: CGC1 Operator ID:

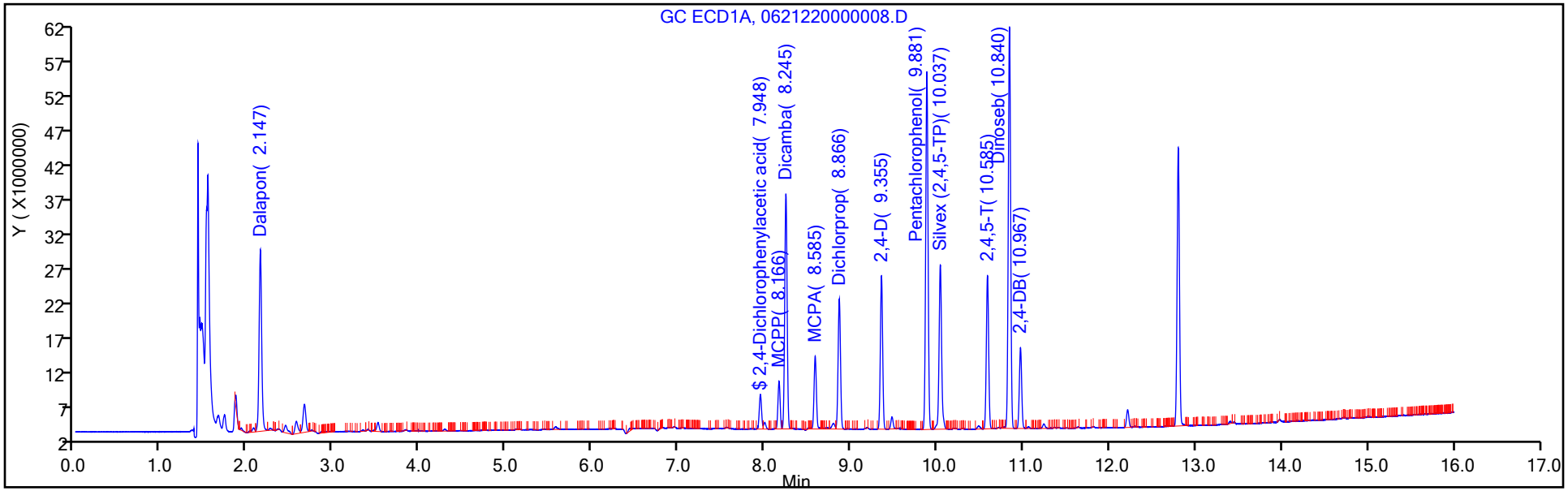
Lims ID: ICRT Worklist Smp#: 4

Client ID:

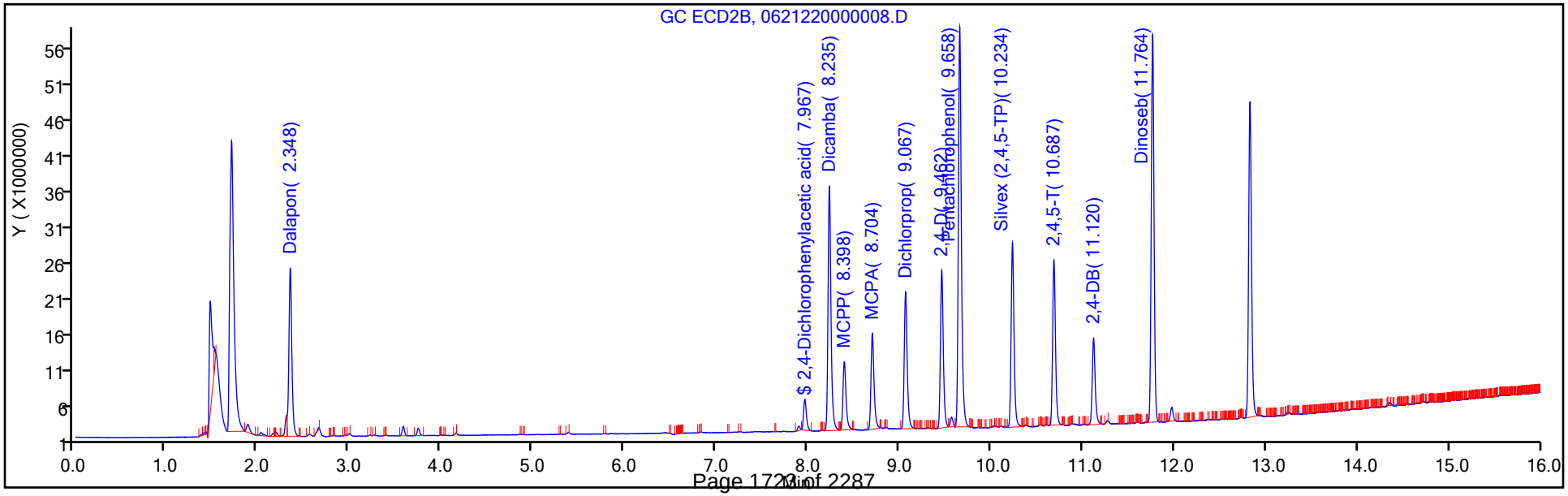
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Jun-2022 08:01:27 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-005
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:18 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:38:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.148	2.147	0.001	47762669H	0.1600	0.1716	
2	2.349	2.348	0.001	45424627H	0.1600	0.1471	
						RPD = 15.34	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.948	7.948	0.000	9329702H	0.0320	0.0298	
2	7.967	7.967	0.000	8500662H	0.0320	0.0301	
						RPD = 0.93	
3 MCPP							
1	8.167	8.166	0.001	13280246H	16.0	16.1	
2	8.398	8.398	0.000	17900296H	16.0	14.1	
						RPD = 12.99	
4 Dicamba							
1	8.246	8.245	0.001	64445556H	0.0800	0.0721	
2	8.235	8.235	0.000	68387054H	0.0800	0.0775	
						RPD = 7.24	
5 MCPA							
1	8.586	8.585	0.001	18929366H	16.0	16.5	
2	8.704	8.704	0.000	25053560H	16.0	14.1	
						RPD = 15.84	
6 Dichlorprop							
1	8.864	8.866	-0.002	34974721H	0.1600	0.1414	
2	9.068	9.067	0.001	37394782H	0.1600	0.1501	
						RPD = 6.00	
7 2,4-D							
1	9.354	9.355	-0.001	41083890H	0.1600	0.1416	
2	9.462	9.462	0.000	43355348H	0.1600	0.1505	
						RPD = 6.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.880	9.881	-0.001	99783776H	0.0400	0.0368	
2	9.659	9.658	0.001	111261642H	0.0400	0.0386	
						RPD = 4.88	
9 Silvex (2,4,5-TP)							
1	10.037	10.037	0.000	45288241H	0.0400	0.0364	
2	10.234	10.234	0.000	50998979H	0.0400	0.0388	
						RPD = 6.39	
10 2,4,5-T							
1	10.583	10.585	-0.002	42491862H	0.0400	0.0363	
2	10.688	10.687	0.001	45367524H	0.0400	0.0381	
						RPD = 4.81	
11 Dinoseb							
1	10.839	10.840	-0.001	109396279H	0.1600	0.1454	
2	11.766	11.764	0.002	105683798H	0.1600	0.1501	
						RPD = 3.17	
12 2,4-DB							
1	10.968	10.967	0.001	22050869H	0.1600	0.1411	
2	11.121	11.120	0.001	24002095H	0.1600	0.1510	
						RPD = 6.81	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL4_00033 Amount Added: 1.00 Units: mL

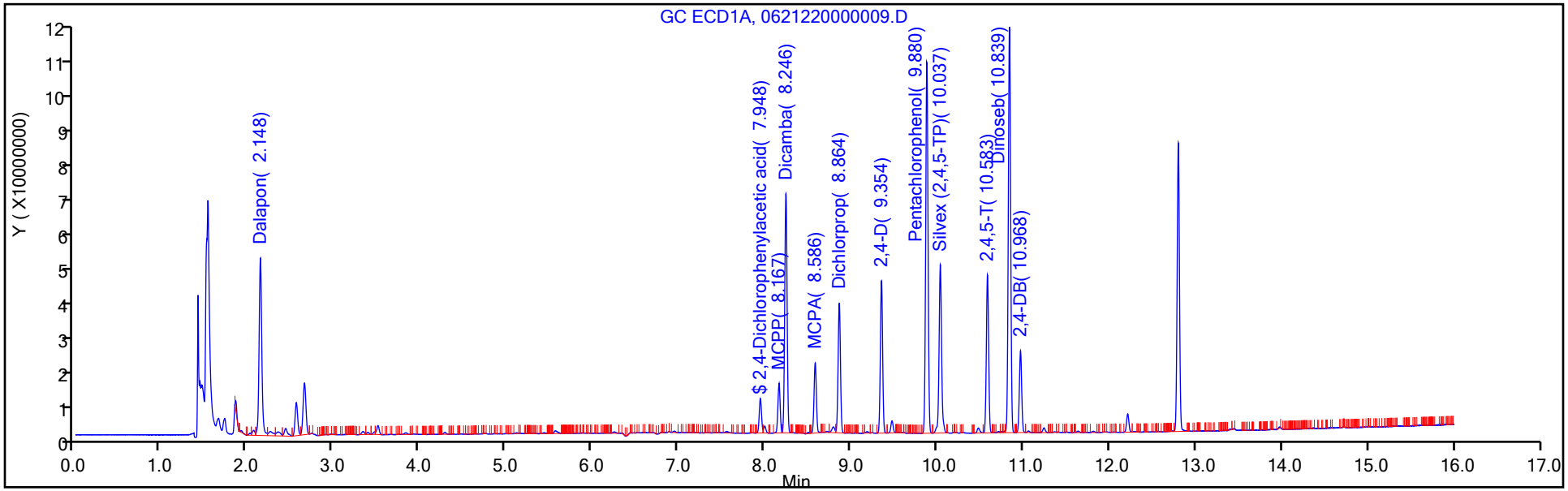
Report Date: 22-Jun-2022 08:51:20 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

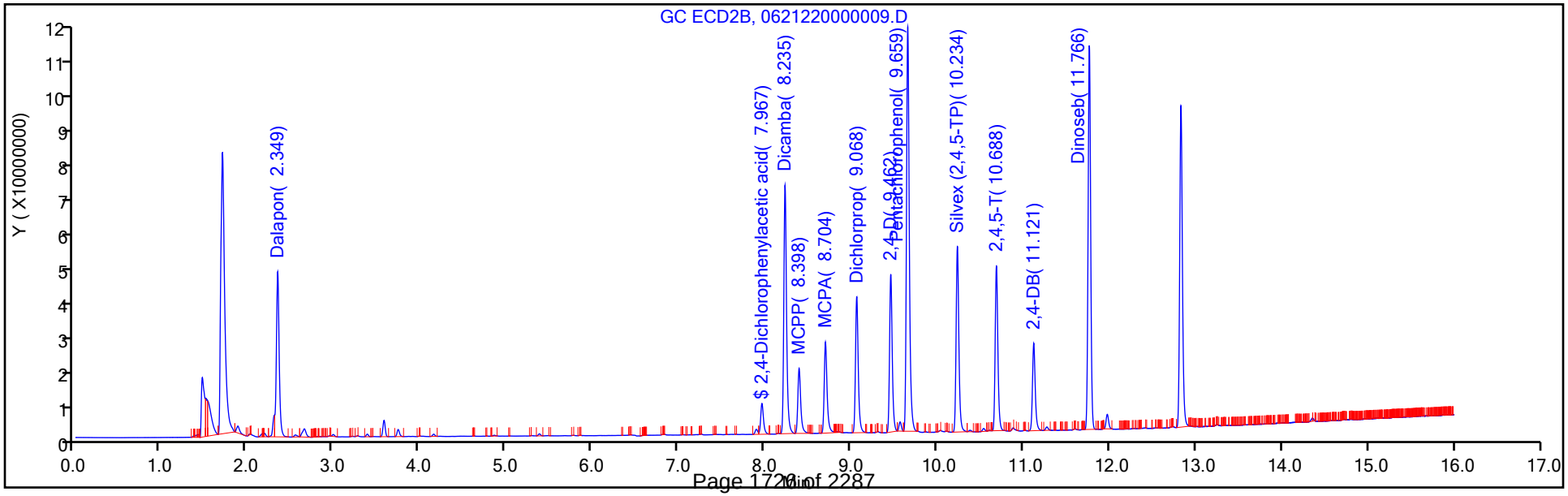
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000009.D

Injection Date:	21-Jun-2022 08:01:27	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jun-2022 08:21:00 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-006
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:21 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:38:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.148	2.147	0.001	85784363H	0.3200	0.3161	
2	2.348	2.348	0.000	89221611H	0.3200	0.2890	
						RPD = 8.97	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.949	7.948	0.001	16959382H	0.0640	0.0541	
2	7.967	7.967	0.000	15991349H	0.0640	0.0566	
						RPD = 4.36	
3 MCPP							
1	8.166	8.166	0.000	25310002H	32.0	30.7	
2	8.398	8.398	0.000	34453787H	32.0	27.2	
						RPD = 12.01	
4 Dicamba							
1	8.246	8.245	0.001	123916153H	0.1600	0.1385	
2	8.235	8.235	0.000	137813690H	0.1600	0.1561	
						RPD = 11.92	
5 MCPA							
1	8.586	8.585	0.001	35398374H	32.0	31.7	
2	8.705	8.704	0.001	48329293H	32.0	27.1	
						RPD = 15.41	
6 Dichlorprop							
1	8.865	8.866	-0.001	64791098H	0.3200	0.2619	
2	9.067	9.067	0.000	74543707H	0.3200	0.2992	
						RPD = 13.31	
7 2,4-D							
1	9.355	9.355	0.000	77157157H	0.3200	0.2659	
2	9.462	9.462	0.000	86828021H	0.3200	0.3015	
						RPD = 12.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.882	9.881	0.001	195502929H	0.0800	0.0720	
2	9.660	9.658	0.002	224873123H	0.0800	0.0780	
						RPD = 7.98	
9 Silvex (2,4,5-TP)							
1	10.038	10.037	0.001	86583472H	0.0800	0.0696	
2	10.235	10.234	0.001	101465574H	0.0800	0.0772	
						RPD = 10.36	
10 2,4,5-T							
1	10.584	10.585	-0.001	80874106H	0.0800	0.0692	
2	10.688	10.687	0.001	91160149H	0.0800	0.0766	
						RPD = 10.23	
11 Dinoseb							
1	10.840	10.840	0.000	208877260H	0.3200	0.2776	
2	11.767	11.764	0.003	208557157H	0.3200	0.2962	
						RPD = 6.46	
12 2,4-DB							
1	10.967	10.967	0.000	43845094H	0.3200	0.2805	
2	11.120	11.120	0.000	48684124H	0.3200	0.3063	
						RPD = 8.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCHERBCALSL5_00028 Amount Added: 1.00 Units: mL

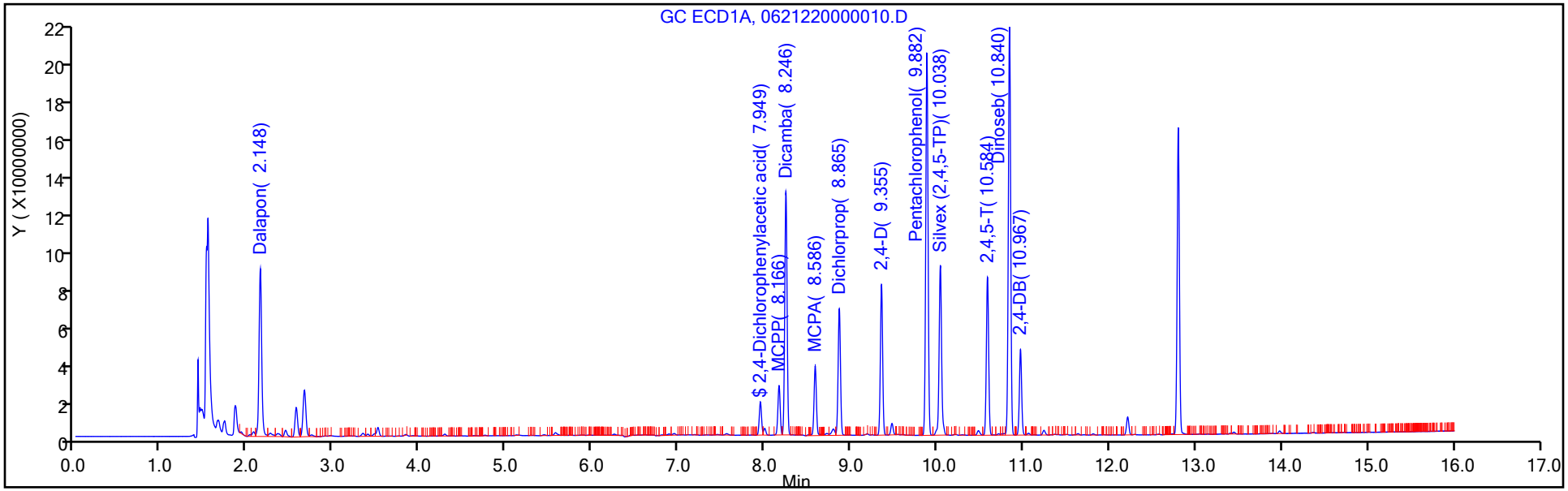
Report Date: 22-Jun-2022 08:51:22 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

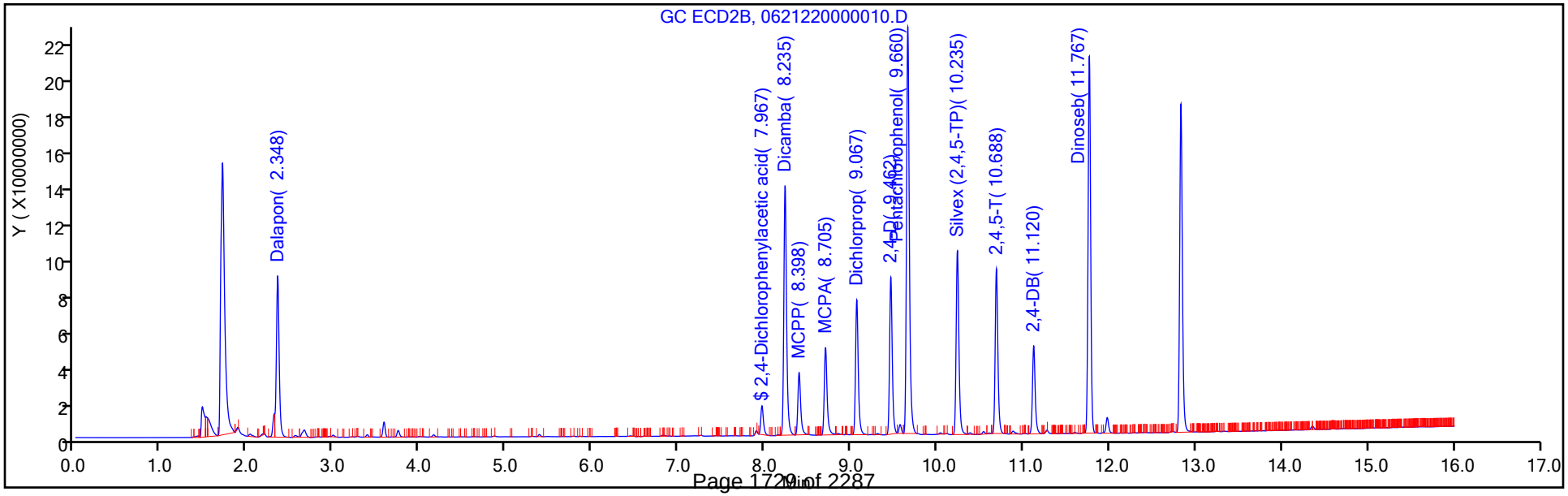
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000010.D

Injection Date:	21-Jun-2022 08:21:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jun-2022 08:40:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-007
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:23 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:40:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							M
1	2.145	2.147	-0.002	165762394H	0.6400	0.6202	
2	2.347	2.348	-0.001	185075362H	0.6400	0.5995	M
						RPD = 3.40	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.945	7.948	-0.003	31848174H	0.1280	0.1017	
2	7.964	7.967	-0.003	32251029H	0.1280	0.1141	
						RPD = 11.48	
3 MCPP							
1	8.162	8.166	-0.004	50532827H	64.0	61.2	
2	8.395	8.398	-0.003	68383919H	64.0	54.0	
						RPD = 12.60	
4 Dicamba							
1	8.242	8.245	-0.003	240298256H	0.3200	0.2687	
2	8.233	8.235	-0.002	287363775H	0.3200	0.3255	
						RPD = 19.14	
5 MCPA							
1	8.581	8.585	-0.004	68960946H	64.0	62.6	
2	8.701	8.704	-0.003	96841652H	64.0	54.3	
						RPD = 14.07	
6 Dichlorprop							
1	8.860	8.866	-0.006	125295430H	0.6400	0.5064	
2	9.064	9.067	-0.003	152731089H	0.6400	0.6131	
						RPD = 19.05	
7 2,4-D							
1	9.350	9.355	-0.005	150494787H	0.6400	0.5187	
2	9.459	9.462	-0.003	179300755H	0.6400	0.6225	
						RPD = 18.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.877	9.881	-0.004	389809329H	0.1600	0.1436	
2	9.656	9.658	-0.002	473630456H	0.1600	0.1643	
						RPD = 13.45	
9 Silvex (2,4,5-TP)							
1	10.032	10.037	-0.005	172050656H	0.1600	0.1382	
2	10.231	10.234	-0.003	210367500H	0.1600	0.1600	
						RPD = 14.59	
10 2,4,5-T							
1	10.581	10.585	-0.004	162669499H	0.1600	0.1391	
2	10.684	10.687	-0.003	188361436H	0.1600	0.1583	
						RPD = 12.91	
11 Dinoseb							
1	10.835	10.840	-0.005	405287559H	0.6400	0.5387	
2	11.762	11.764	-0.002	435760367H	0.6400	0.6188	
						RPD = 13.85	
12 2,4-DB							
1	10.964	10.967	-0.003	89427724H	0.6400	0.5721	
2	11.116	11.120	-0.004	102451671H	0.6400	0.6446	
						RPD = 11.92	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL6_00016 Amount Added: 1.00 Units: mL

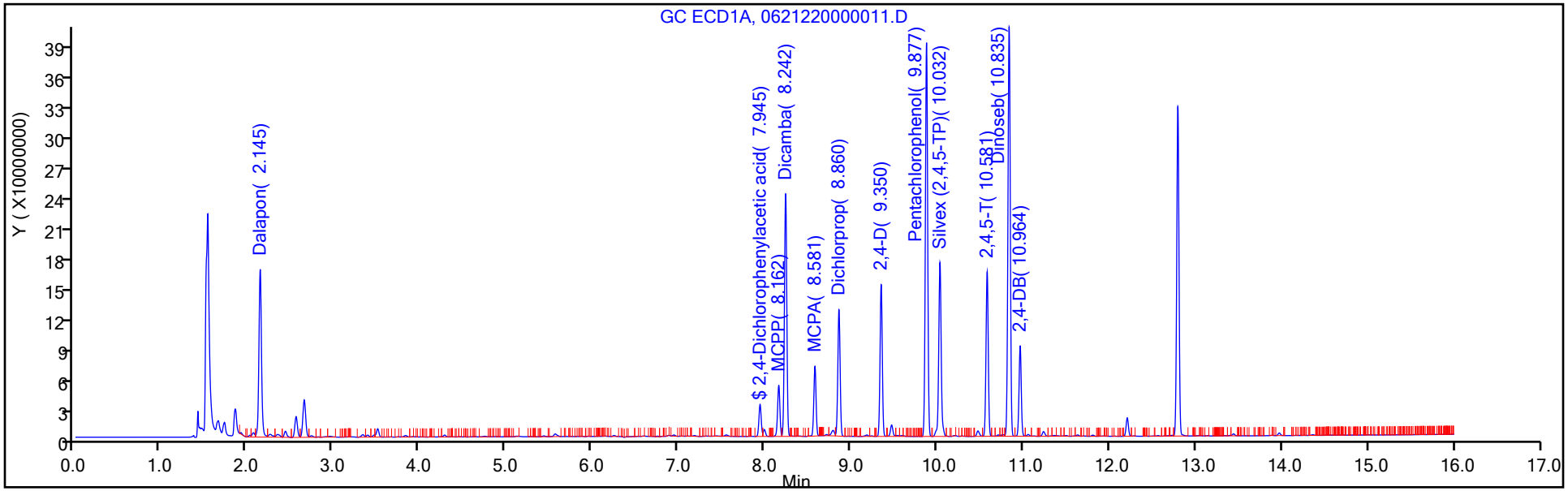
Report Date: 22-Jun-2022 08:51:24 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

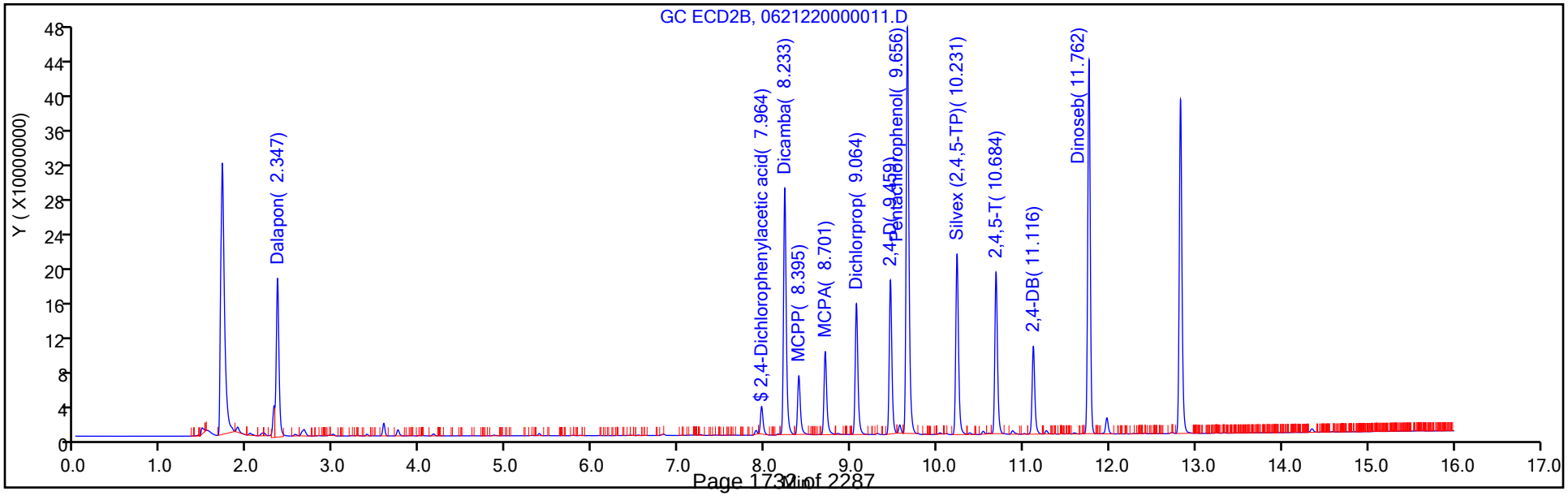
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Injection Date:	21-Jun-2022 08:40:30	Instrument ID:	CGC1	Operator ID:	
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

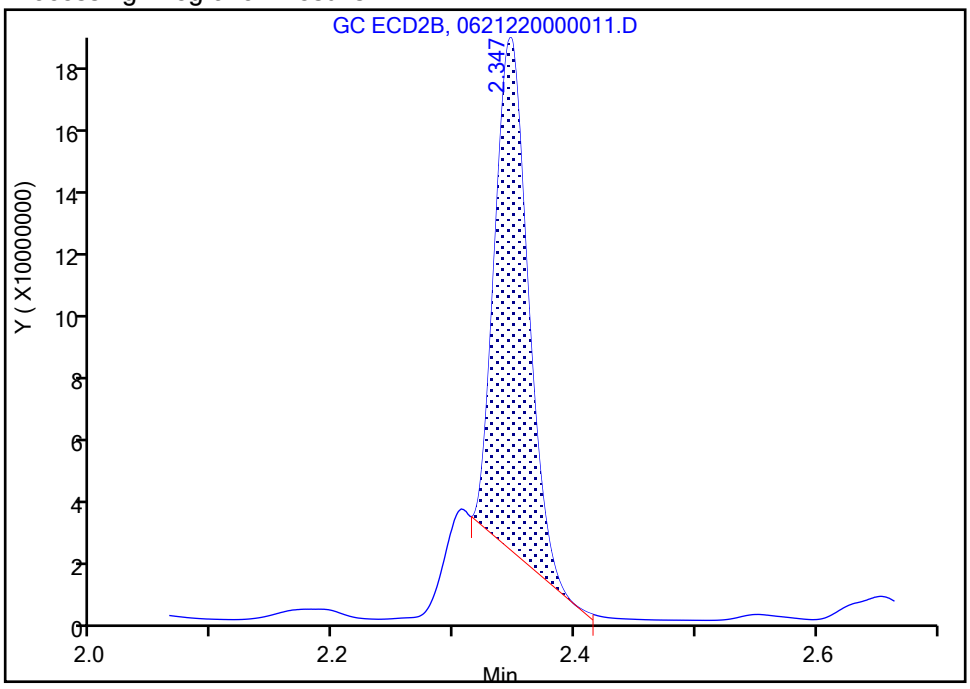
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D
Injection Date: 21-Jun-2022 08:40:30 Instrument ID: CGC1
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

1 Dalapon, CAS: 75-99-0

Signal: 2

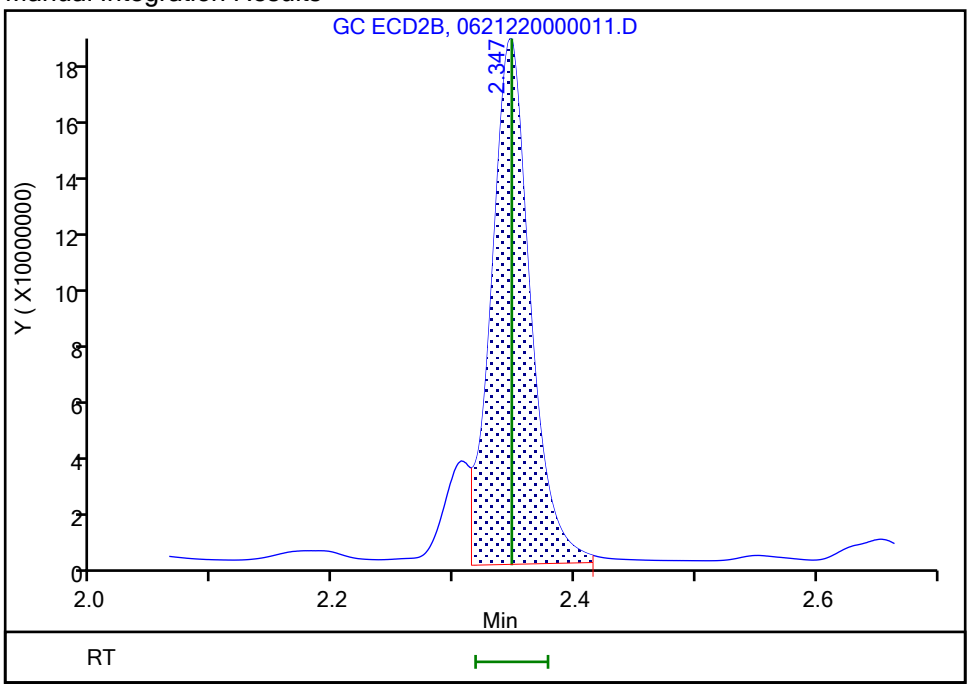
Processing Integration Results

RT: 2.35
Height: 161677826
Amount: 0.448123
Amount Units: ng



Manual Integration Results

RT: 2.35
Height: 185075362
Amount: 0.599503
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:38:48
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Calibration / Dalapon

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

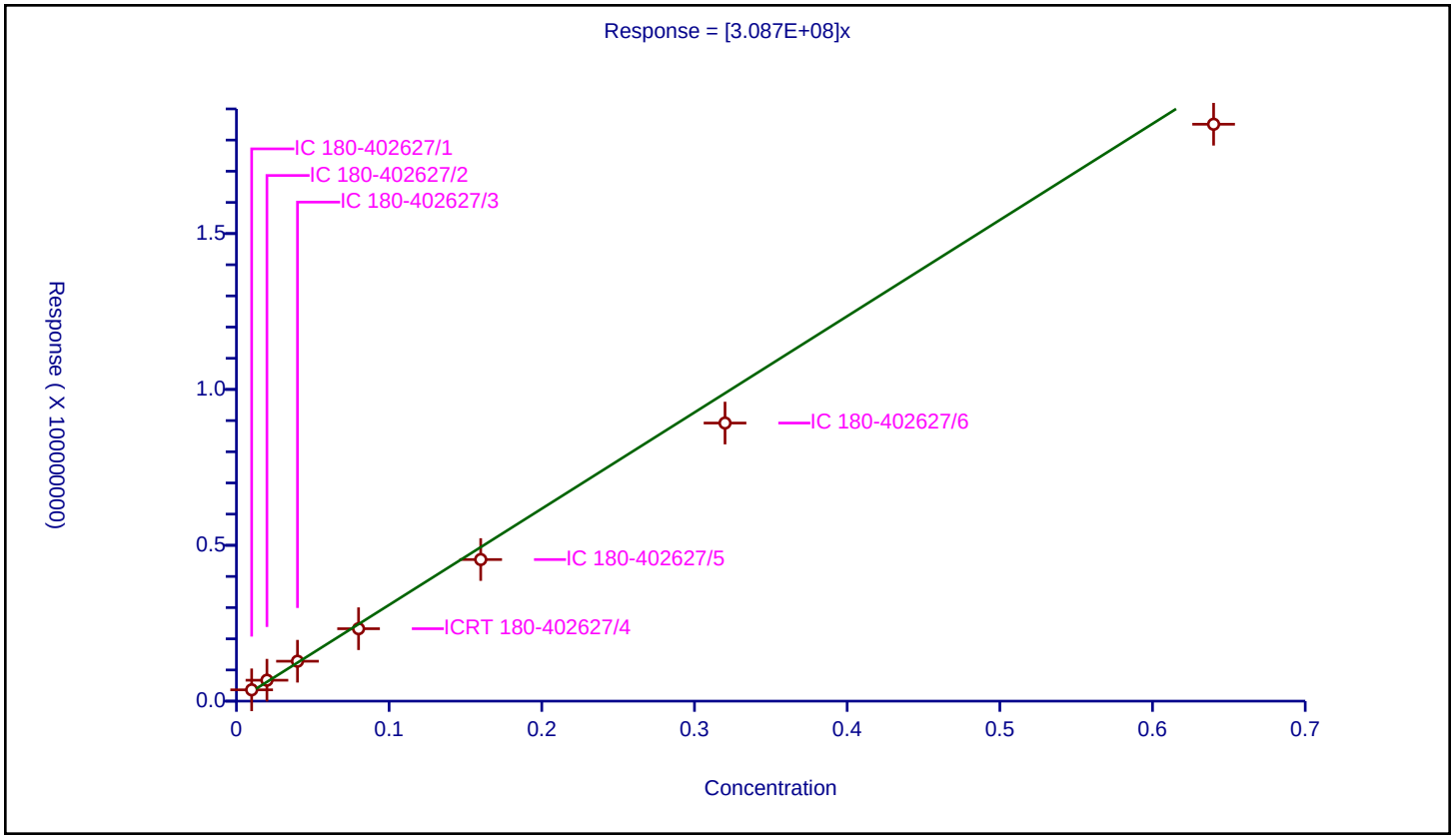
Curve Coefficients

Intercept:	0
Slope:	3.087E+08

Error Coefficients

Standard Error:	6660000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	3628337.0			362833700.0	Y
2	IC 180-402627/2	0.02	6713549.0			335677450.0	Y
3	IC 180-402627/3	0.04	12804944.0			320123600.0	Y
4	ICRT 180-402627/4	0.08	23237365.0			290467062.5	Y
5	IC 180-402627/5	0.16	45424627.0			283903918.75	Y
6	IC 180-402627/6	0.32	89221611.0			278817534.375	Y
7	IC 180-402627/7	0.64	185075362.0			289180253.125	Y



Calibration / 2,4-Dichlorophenylacetic acid

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

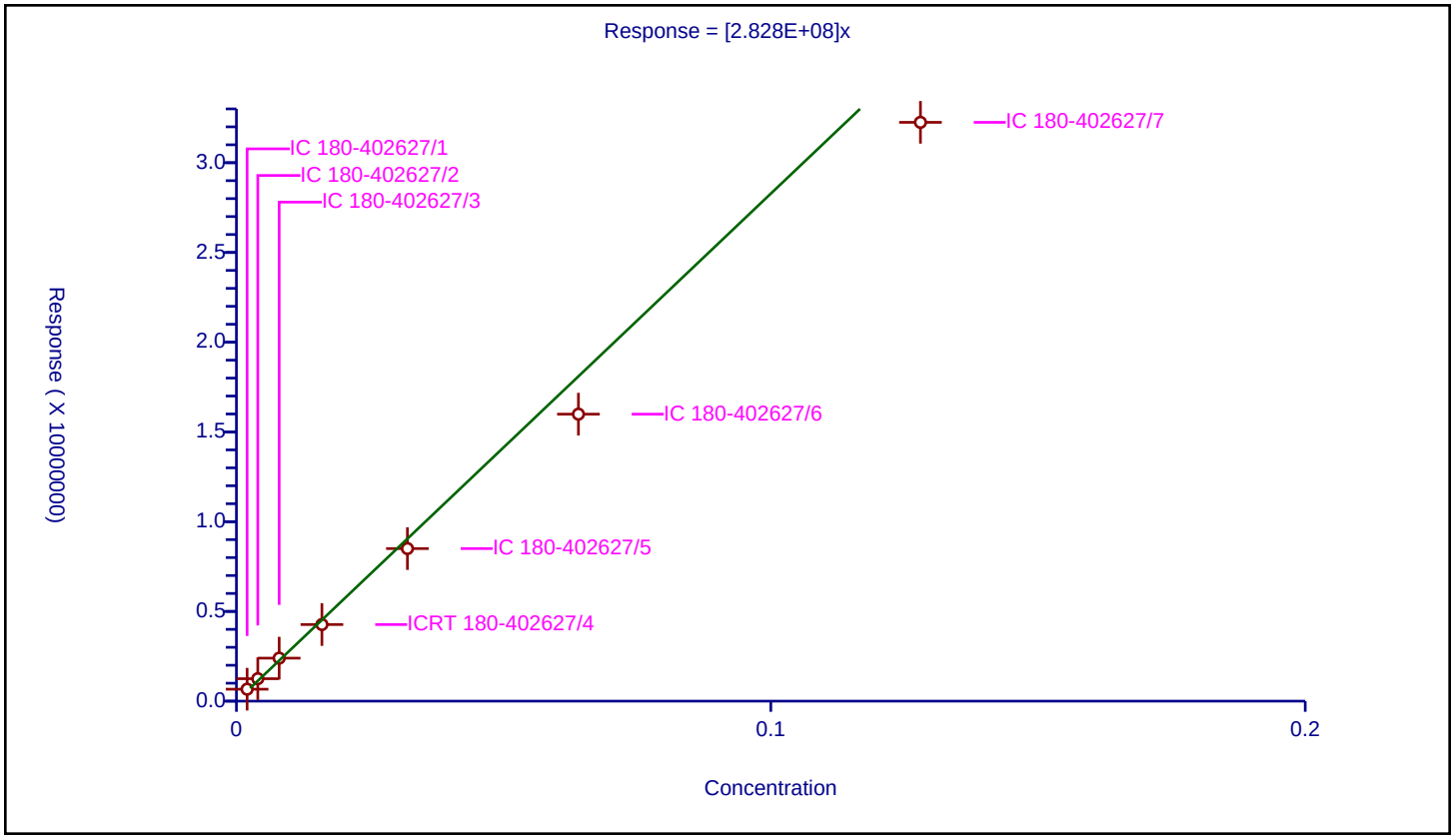
Curve Coefficients

Intercept:	0
Slope:	2.828E+08

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.002	666080.0			333040000.0	Y
2	IC 180-402627/2	0.004	1250475.0			312618750.0	Y
3	IC 180-402627/3	0.008	2395939.0			299492375.0	Y
4	ICRT 180-402627/4	0.016	4269244.0			266827750.0	Y
5	IC 180-402627/5	0.032	8500662.0			265645687.5	Y
6	IC 180-402627/6	0.064	15991349.0			249864828.125	Y
7	IC 180-402627/7	0.128	32251029.0			251961164.0625	Y



Calibration / Dicamba

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

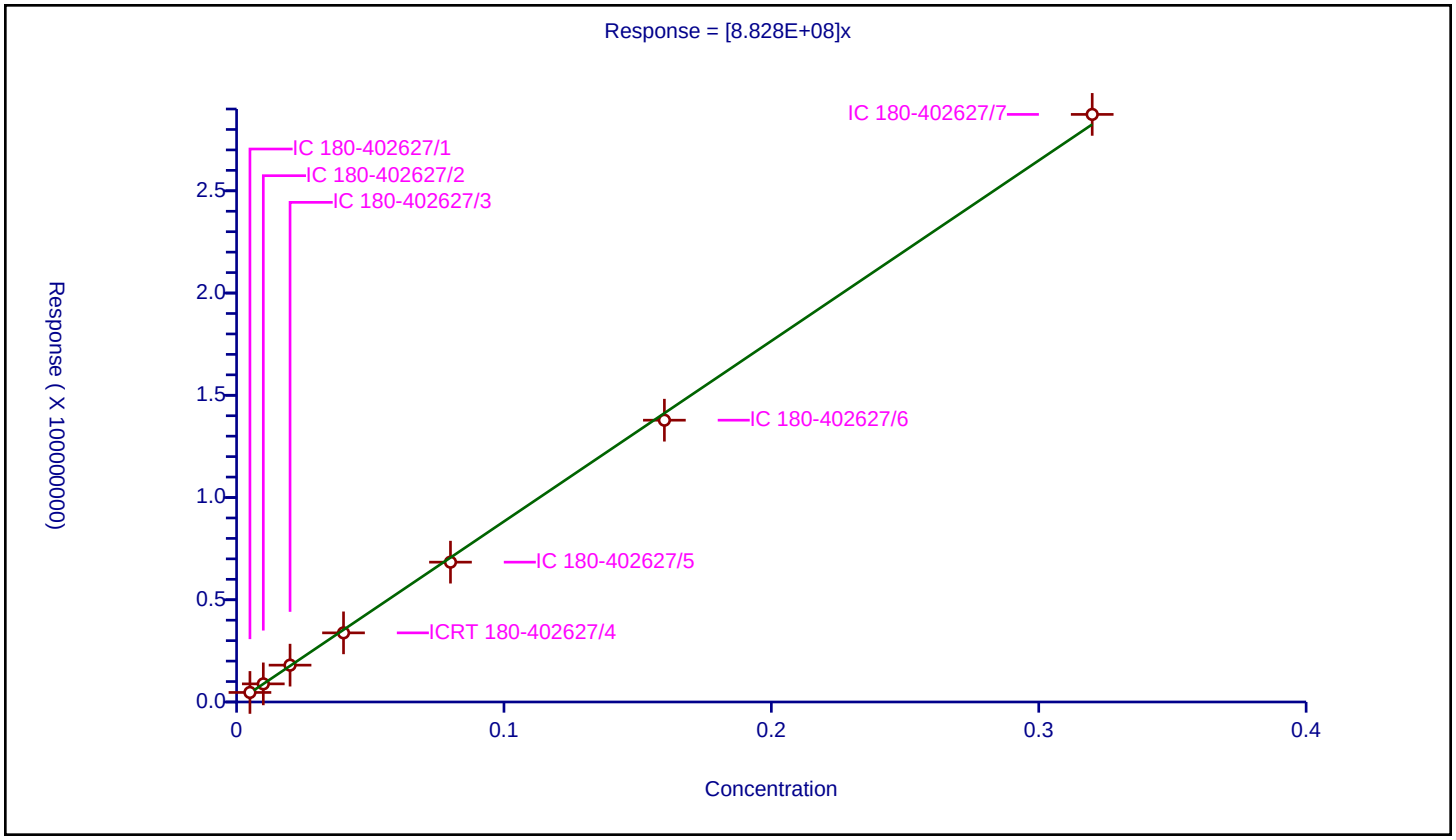
Curve Coefficients

Intercept:	0
Slope:	8.828E+08

Error Coefficients

Standard Error:	2680000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.005	4666391.0			933278200.0	Y
2	IC 180-402627/2	0.01	8857195.0			885719500.0	Y
3	IC 180-402627/3	0.02	18019894.0			900994700.0	Y
4	ICRT 180-402627/4	0.04	33804182.0			845104550.0	Y
5	IC 180-402627/5	0.08	68387054.0			854838175.0	Y
6	IC 180-402627/6	0.16	137813690.0			861335562.5	Y
7	IC 180-402627/7	0.32	287363775.0			898011796.875	Y



Calibration / MCPP

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

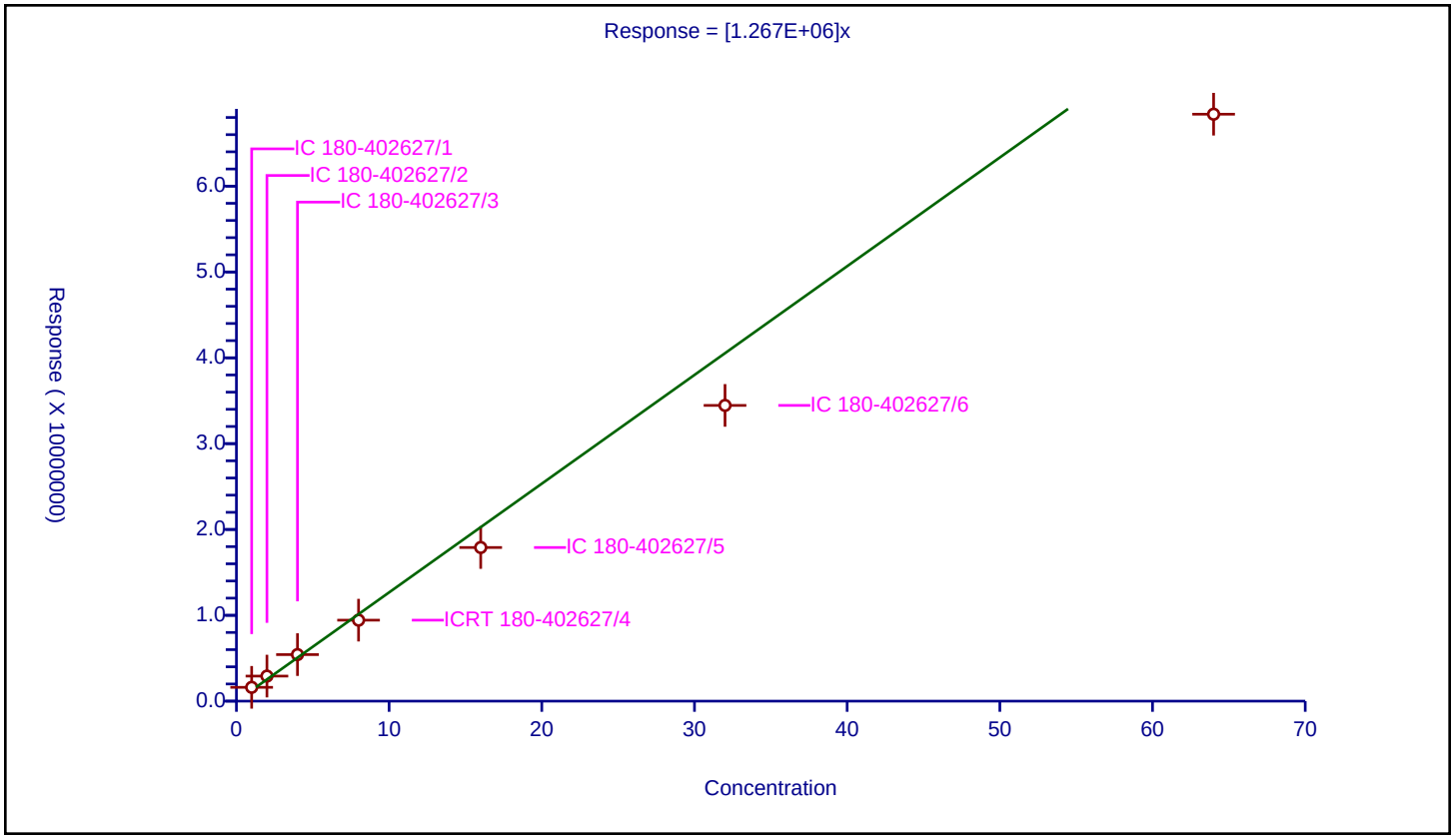
Curve Coefficients

Intercept:	0
Slope:	1.267E+06

Error Coefficients

Standard Error:	5840000
Relative Standard Error:	16.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	1.0	1608717.0			1608717.0	Y
2	IC 180-402627/2	2.0	2918340.0			1459170.0	Y
3	IC 180-402627/3	4.0	5423974.0			1355993.5	Y
4	ICRT 180-402627/4	8.0	9435933.0			1179491.625	Y
5	IC 180-402627/5	16.0	17900296.0			1118768.5	Y
6	IC 180-402627/6	32.0	34453787.0			1076680.84375	Y
7	IC 180-402627/7	64.0	68383919.0			1068498.734375	Y



Calibration / MCPA

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

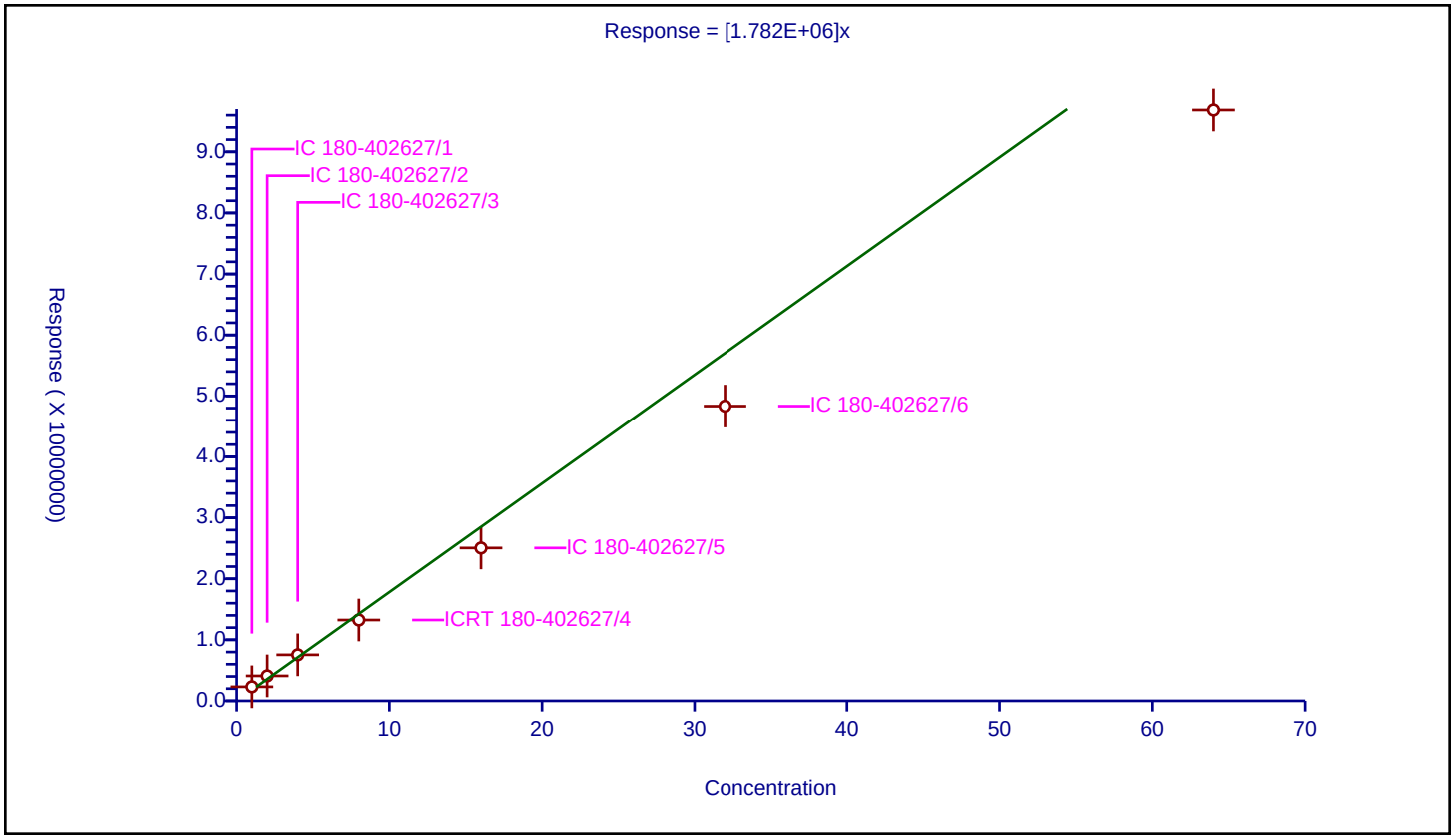
Curve Coefficients

Intercept:	0
Slope:	1.782E+06

Error Coefficients

Standard Error:	8010000
Relative Standard Error:	17.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	1.0	2299165.0			2299165.0	Y
2	IC 180-402627/2	2.0	4089289.0			2044644.5	Y
3	IC 180-402627/3	4.0	7539346.0			1884836.5	Y
4	ICRT 180-402627/4	8.0	13247705.0			1655963.125	Y
5	IC 180-402627/5	16.0	25053560.0			1565847.5	Y
6	IC 180-402627/6	32.0	48329293.0			1510290.40625	Y
7	IC 180-402627/7	64.0	96841652.0			1513150.8125	Y



Calibration / Dichlorprop

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

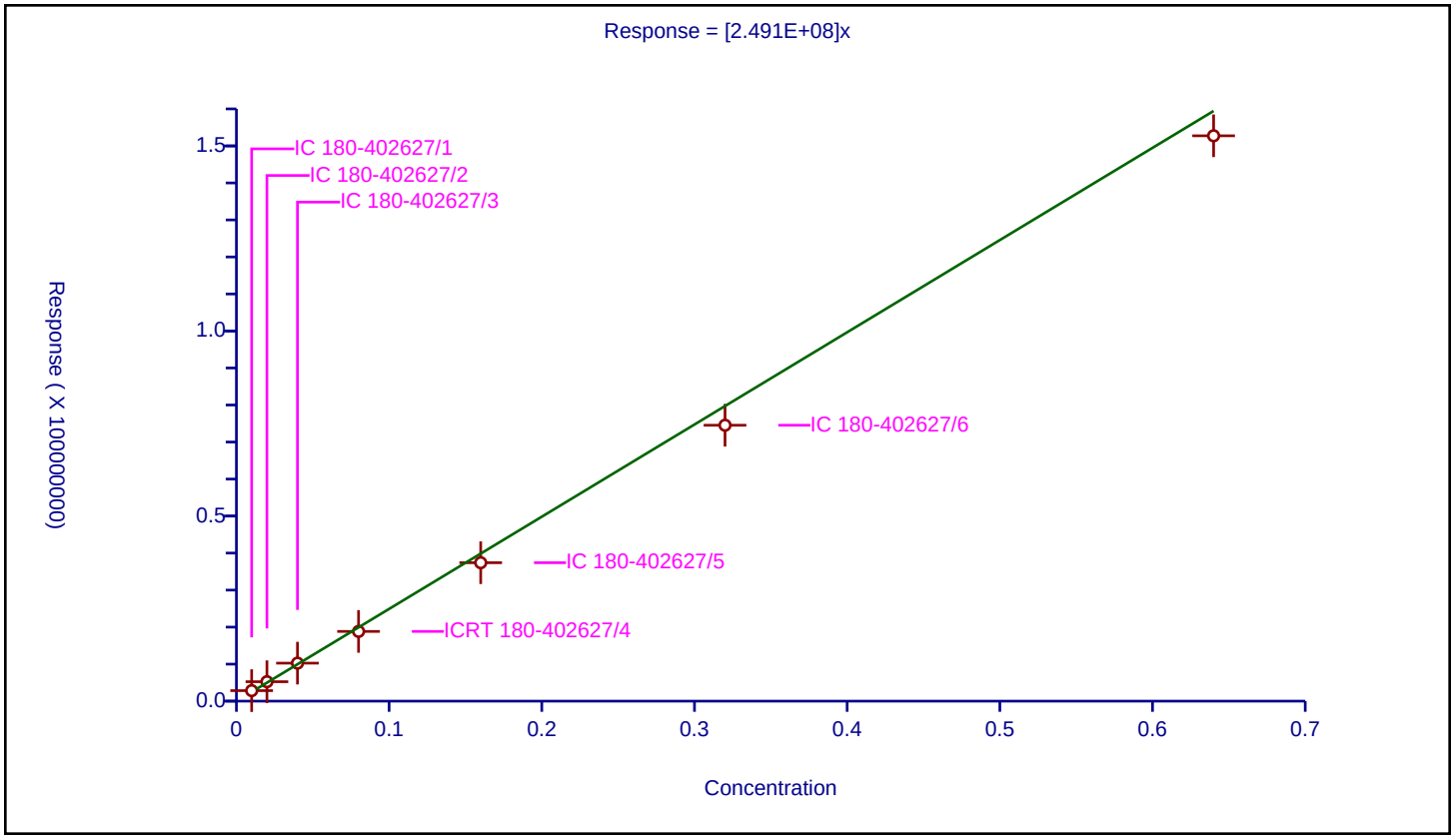
Curve Coefficients

Intercept:	0
Slope:	2.491E+08

Error Coefficients

Standard Error:	3630000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	2840108.0			284010800.0	Y
2	IC 180-402627/2	0.02	5250857.0			262542850.0	Y
3	IC 180-402627/3	0.04	10260666.0			256516650.0	Y
4	ICRT 180-402627/4	0.08	18836132.0			235451650.0	Y
5	IC 180-402627/5	0.16	37394782.0			233717387.5	Y
6	IC 180-402627/6	0.32	74543707.0			232949084.375	Y
7	IC 180-402627/7	0.64	152731089.0			238642326.5625	Y



Calibration / 2,4-D

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

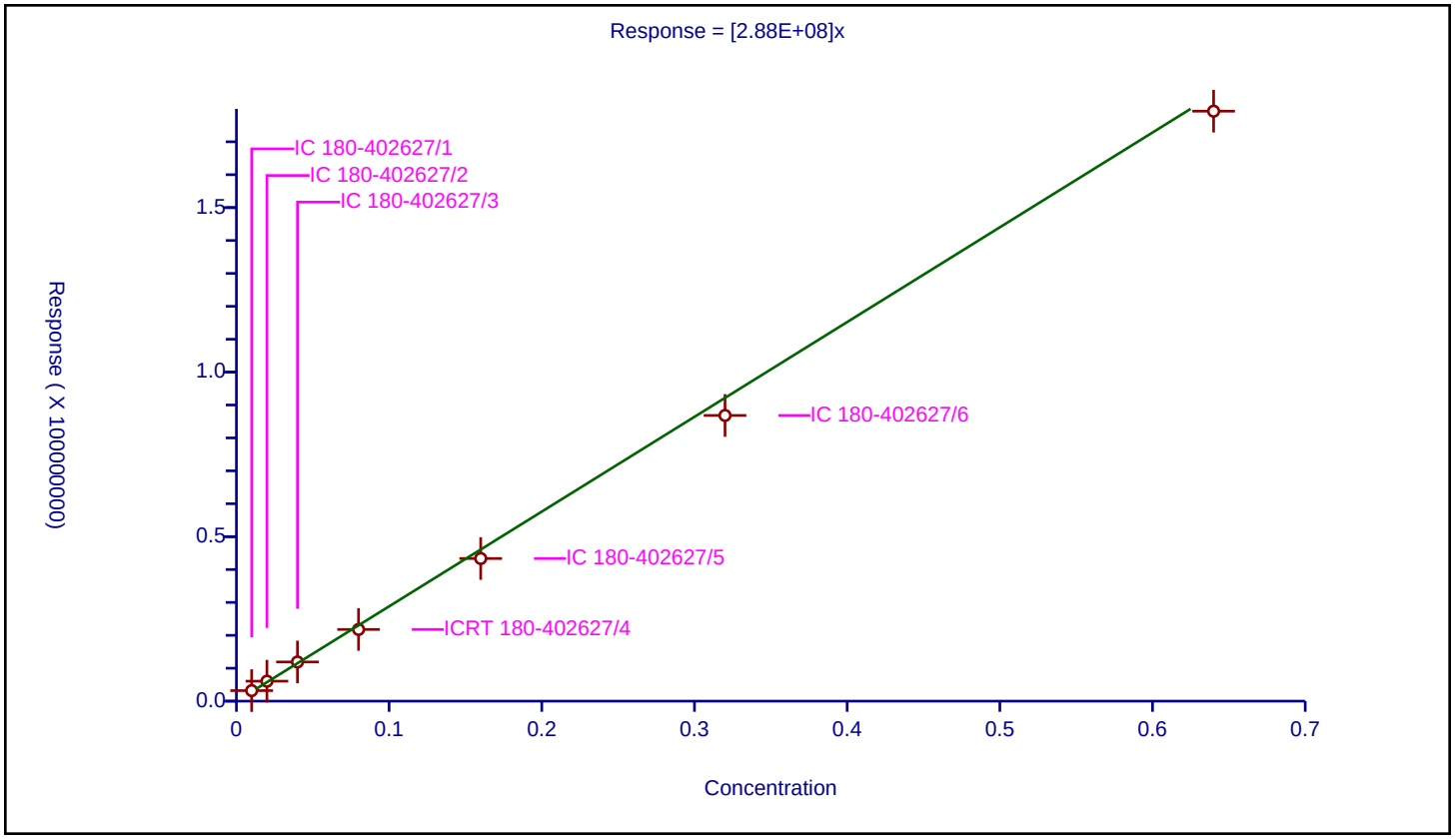
Curve Coefficients

Intercept:	0
Slope:	2.88E+08

Error Coefficients

Standard Error:	3250000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	3203574.0			320357400.0	Y
2	IC 180-402627/2	0.02	6068070.0			303403500.0	Y
3	IC 180-402627/3	0.04	11905000.0			297625000.0	Y
4	ICRT 180-402627/4	0.08	21784726.0			272309075.0	Y
5	IC 180-402627/5	0.16	43355348.0			270970925.0	Y
6	IC 180-402627/6	0.32	86828021.0			271337565.625	Y
7	IC 180-402627/7	0.64	179300755.0			280157429.6875	Y



Calibration / Pentachlorophenol

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

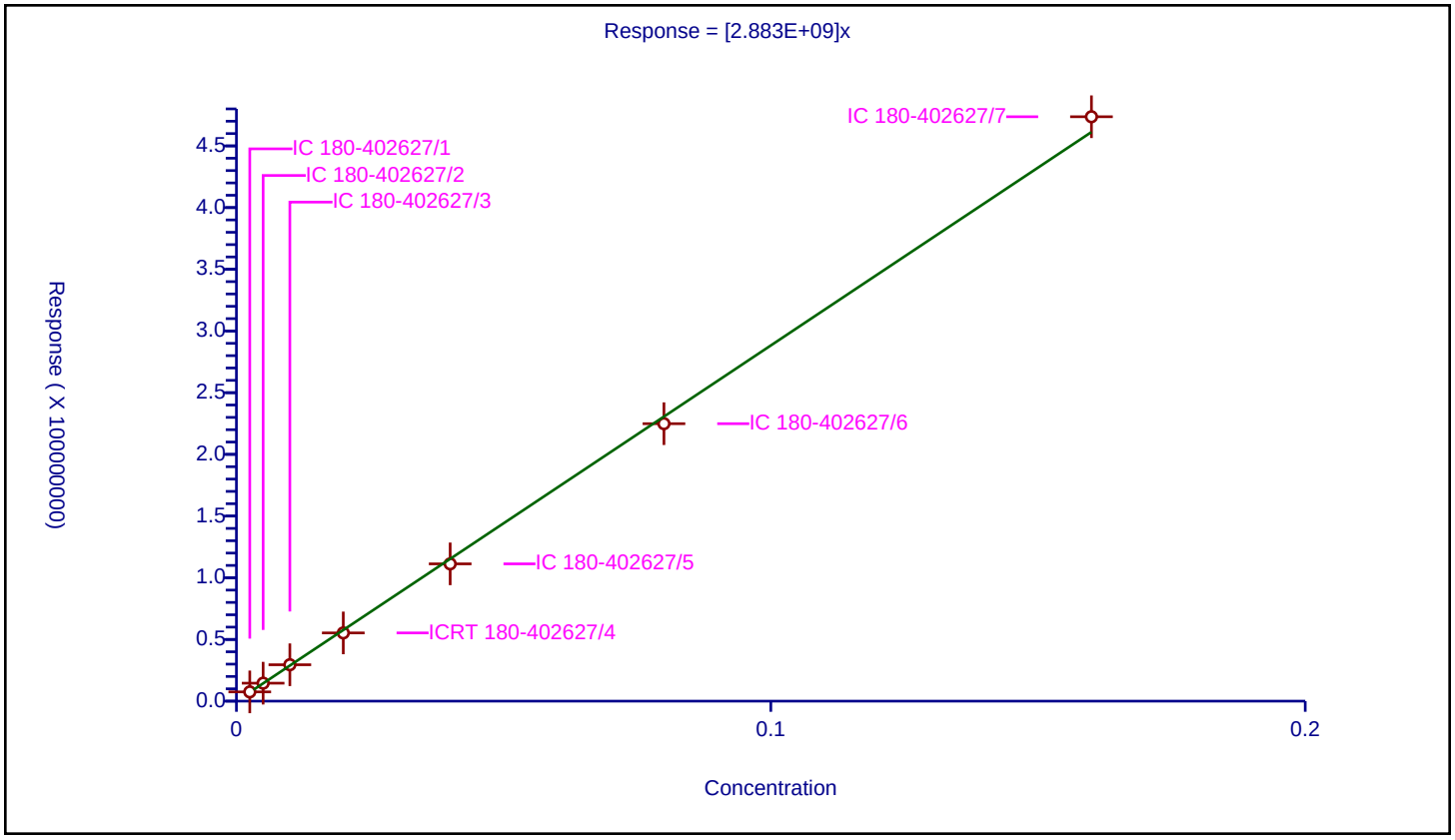
Curve Coefficients

Intercept:	0
Slope:	2.883E+09

Error Coefficients

Standard Error:	5910000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	7499411.0			2999764400.0	Y
2	IC 180-402627/2	0.005	14556544.0			2911308800.0	Y
3	IC 180-402627/3	0.01	29499095.0			2949909500.0	Y
4	ICRT 180-402627/4	0.02	55301006.0			2765050300.0	Y
5	IC 180-402627/5	0.04	111261642.0			2781541050.0	Y
6	IC 180-402627/6	0.08	224873123.0			2810914037.5	Y
7	IC 180-402627/7	0.16	473630456.0			2960190350.0	Y



Calibration / Silvex (2,4,5-TP)

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

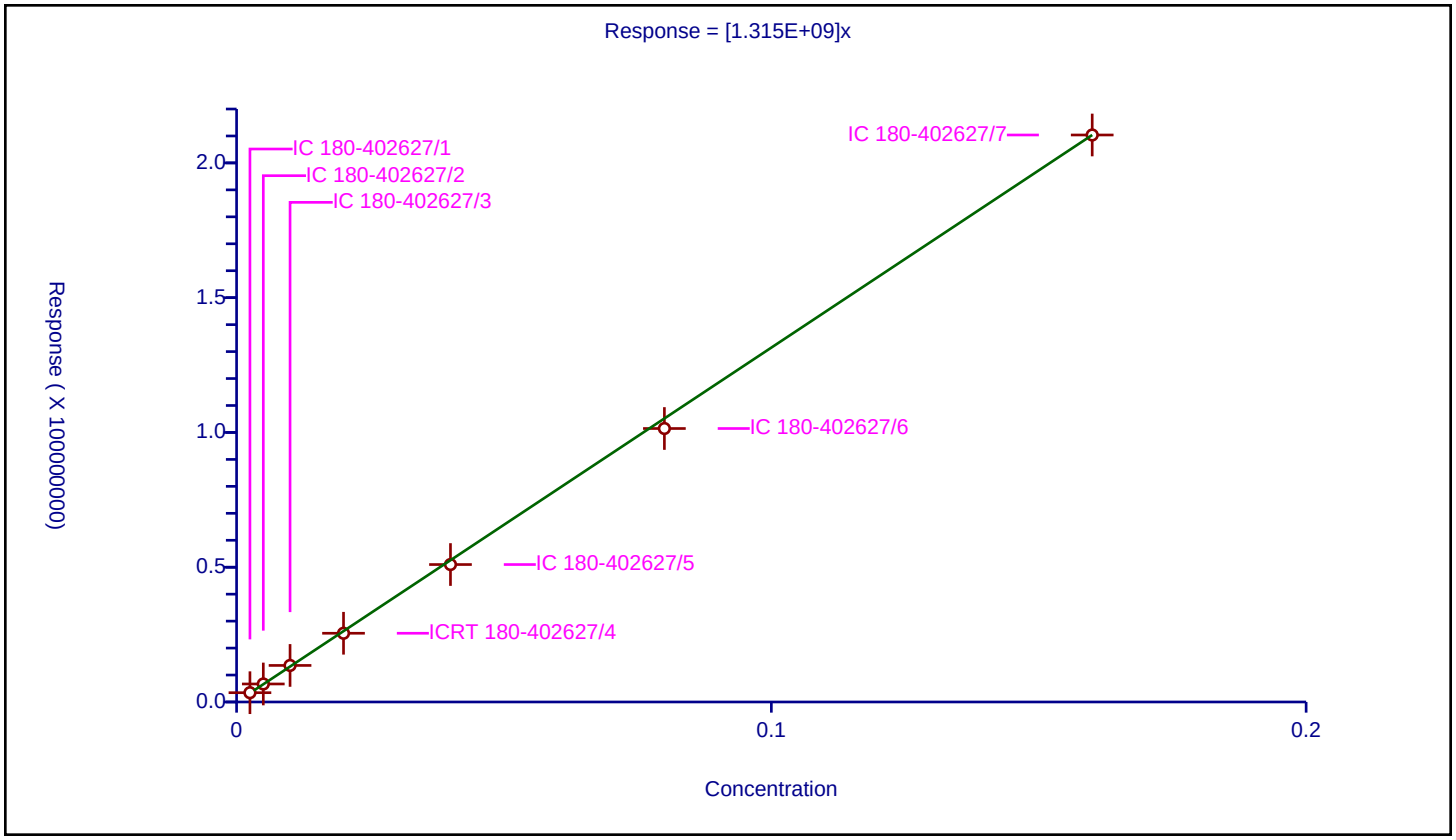
Curve Coefficients

Intercept:	0
Slope:	1.315E+09

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	3443297.0			1377318800.0	Y
2	IC 180-402627/2	0.005	6686139.0			1337227800.0	Y
3	IC 180-402627/3	0.01	13561061.0			1356106100.0	Y
4	ICRT 180-402627/4	0.02	25496591.0			1274829550.0	Y
5	IC 180-402627/5	0.04	50998979.0			1274974475.0	Y
6	IC 180-402627/6	0.08	101465574.0			1268319675.0	Y
7	IC 180-402627/7	0.16	210367500.0			1314796875.0	Y



Calibration / 2,4,5-T

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

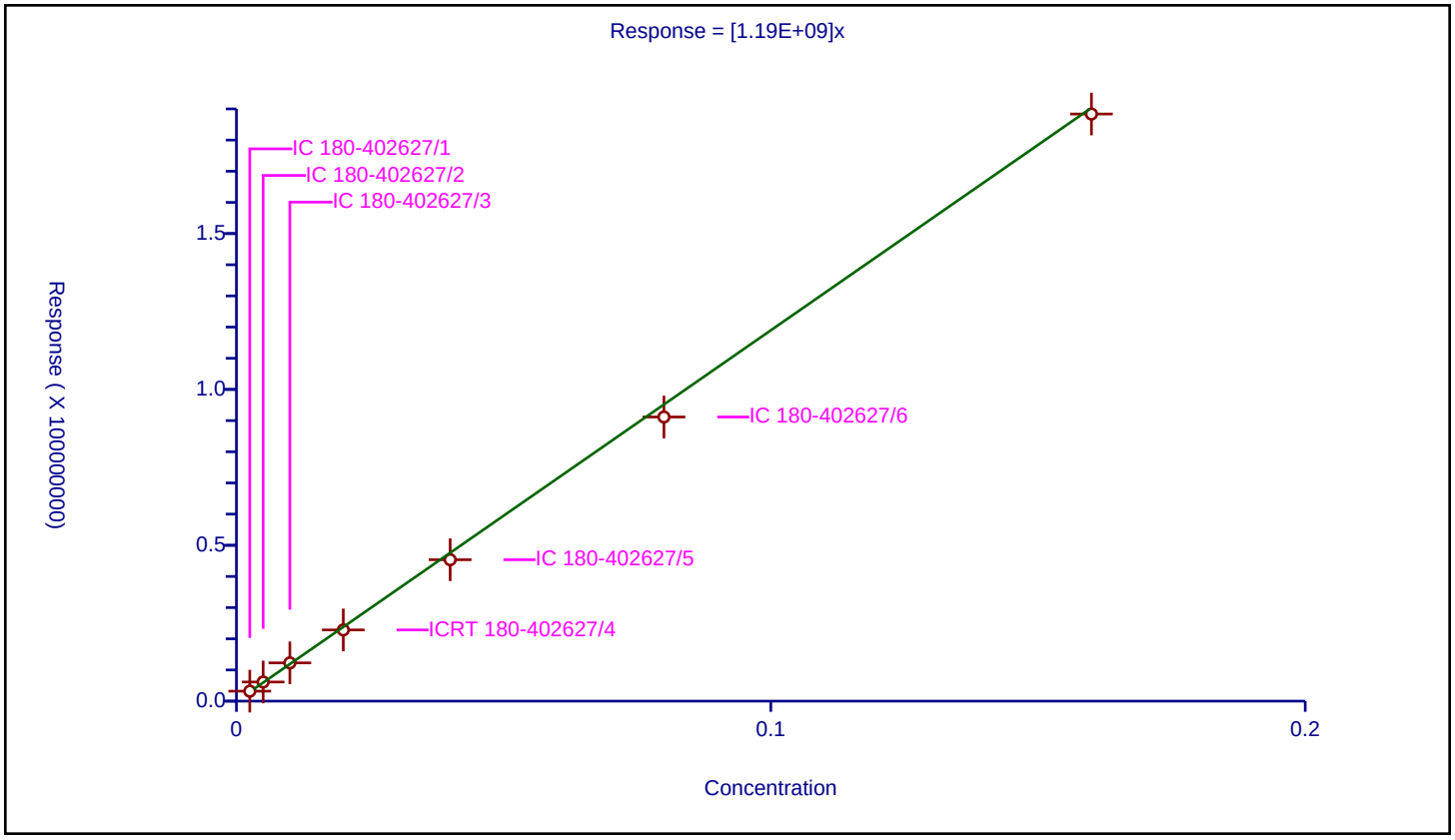
Curve Coefficients

Intercept:	0
Slope:	1.19E+09

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.0025	3198436.0			1279374400.0	Y
2	IC 180-402627/2	0.005	6139371.0			1227874200.0	Y
3	IC 180-402627/3	0.01	12271839.0			1227183900.0	Y
4	ICRT 180-402627/4	0.02	22844172.0			1142208600.0	Y
5	IC 180-402627/5	0.04	45367524.0			1134188100.0	Y
6	IC 180-402627/6	0.08	91160149.0			1139501862.5	Y
7	IC 180-402627/7	0.16	188361436.0			1177258975.0	Y



Calibration / 2,4-DB

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

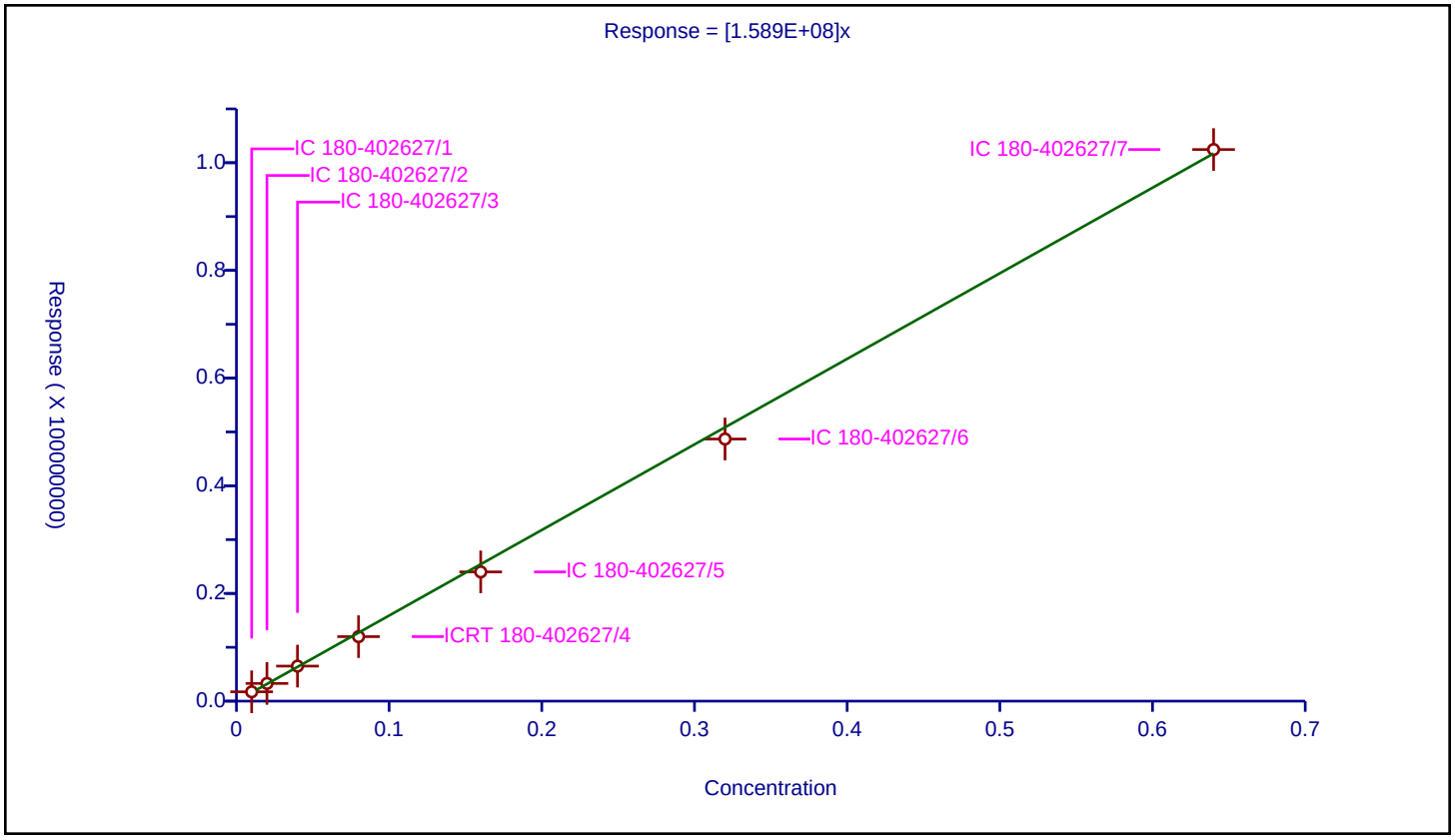
Curve Coefficients

Intercept:	0
Slope:	1.589E+08

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	1735468.0			173546800.0	Y
2	IC 180-402627/2	0.02	3285885.0			164294250.0	Y
3	IC 180-402627/3	0.04	6506113.0			162652825.0	Y
4	ICRT 180-402627/4	0.08	11980749.0			149759362.5	Y
5	IC 180-402627/5	0.16	24002095.0			150013093.75	Y
6	IC 180-402627/6	0.32	48684124.0			152137887.5	Y
7	IC 180-402627/7	0.64	102451671.0			160080735.9375	Y



Calibration / Dinoseb

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

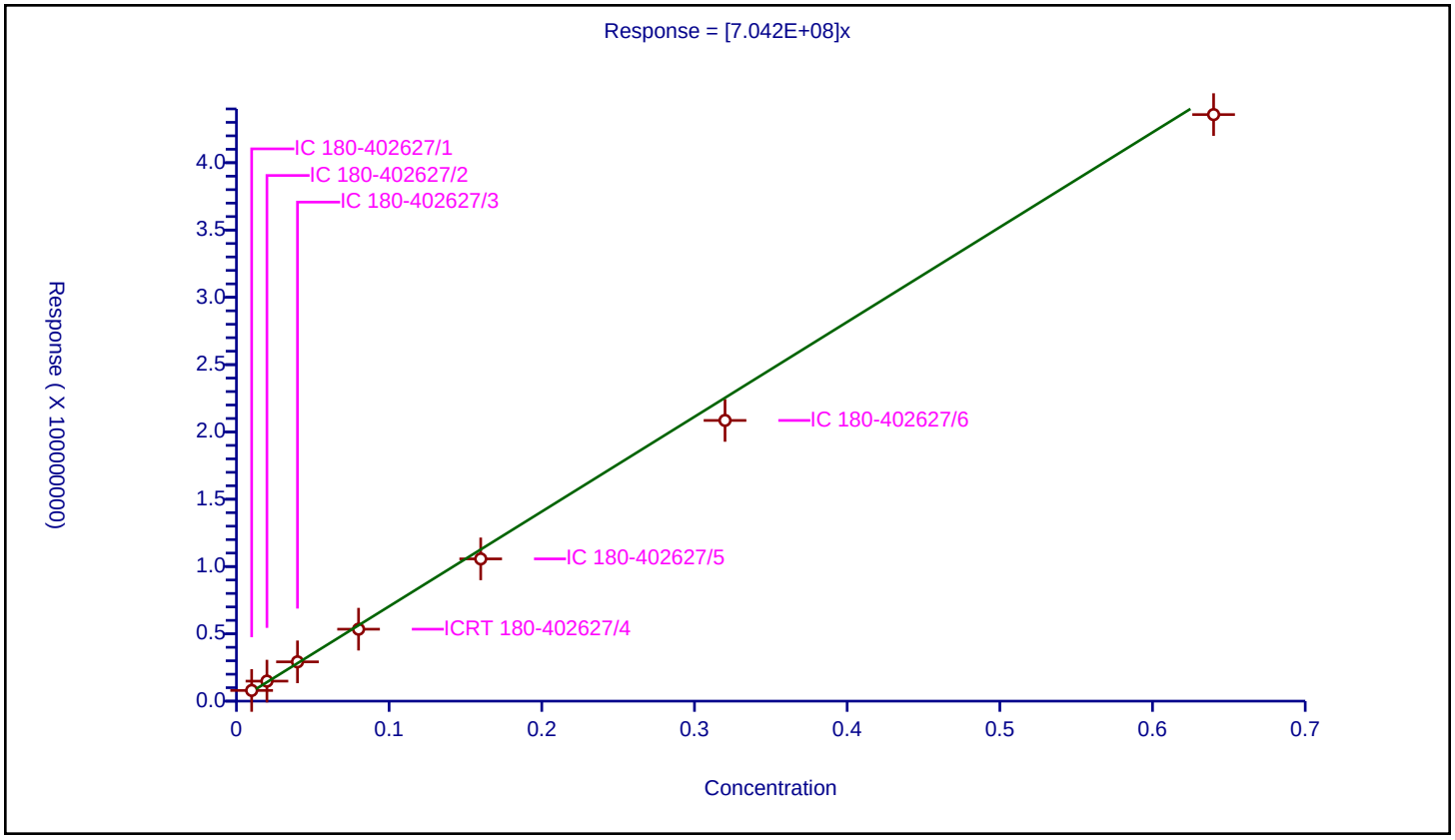
Curve Coefficients

Intercept:	0
Slope:	7.042E+08

Error Coefficients

Standard Error:	9700000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-402627/1	0.01	7944095.0			794409500.0	Y
2	IC 180-402627/2	0.02	14879294.0			743964700.0	Y
3	IC 180-402627/3	0.04	29194529.0			729863225.0	Y
4	ICRT 180-402627/4	0.08	53447234.0			668090425.0	Y
5	IC 180-402627/5	0.16	105683798.0			660523737.5	Y
6	IC 180-402627/6	0.32	208557157.0			651741115.625	Y
7	IC 180-402627/7	0.64	435760367.0			680875573.4375	Y



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402627/8 Calibration Date: 06/21/2022 09:00

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0621220000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		246560275		0.177	0.200	-11.3	20.0
MCPP	Ave	825155	773108		18.7	20.0	-6.3	20.0
Dicamba	Ave	894385019	753559830		0.0843	0.100	-15.7	20.0
MCPA	Lin1		1107990		19.5	20.0	-2.7	20.0
Dichlorprop	Ave	247405641	206336100		0.167	0.200	-16.6	20.0
2,4-D	Ave	290156540	243254230		0.168	0.200	-16.2	20.0
Pentachlorophenol	Ave	2714578681	2411624380		0.0444	0.0500	-11.2	20.0
Silvex (2,4,5-TP)	Ave	1244583254	1058596100		0.0425	0.0500	-14.9	20.0
2,4,5-T	Ave	1169195499	977842020		0.0418	0.0500	-16.4	20.0
Dinoseb	Ave	752391408	626751690		0.167	0.200	-16.7	20.0
2,4-DB	Ave	156305524	125957915		0.161	0.200	-19.4	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402627/8 Calibration Date: 06/21/2022 09:00

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0621220000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.15	2.12	2.18
MCPP	8.16	8.14	8.20
Dicamba	8.24	8.22	8.28
MCPA	8.59	8.56	8.62
Dichlorprop	8.86	8.84	8.90
2,4-D	9.35	9.33	9.39
Pentachlorophenol	9.88	9.85	9.91
Silvex (2,4,5-TP)	10.04	10.01	10.07
2,4,5-T	10.58	10.56	10.62
Dinoseb	10.84	10.79	10.89
2,4-DB	10.97	10.94	11.00

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jun-2022 09:00:00 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-008
Operator ID: Instrument ID: CGC1
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:37 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:43:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							M
1	2.147	2.147	0.000	49312055H	0.2000	0.1775	
2	2.348	2.348	0.000	49429747H	0.2000	0.1601	M
						RPD = 10.28	
3 MCPP							M
1	8.164	8.166	-0.002	15462158H	20.0	18.7	
2	8.397	8.398	-0.001	20877676H	20.0	16.5	M
						RPD = 12.82	
4 Dicamba							M
1	8.244	8.245	-0.001	75355983H	0.1000	0.0843	
2	8.234	8.235	-0.001	80913444H	0.1000	0.0917	M
						RPD = 8.42	
5 MCPA							M
1	8.585	8.585	0.000	22159804H	20.0	19.5	
2	8.703	8.704	-0.001	30205292H	20.0	17.0	M
						RPD = 13.75	
6 Dichlorprop							M
1	8.863	8.866	-0.003	41267220H	0.2000	0.1668	
2	9.066	9.067	-0.001	45610866H	0.2000	0.1831	M
						RPD = 9.31	
7 2,4-D							M
1	9.353	9.355	-0.002	48650846H	0.2000	0.1677	
2	9.461	9.462	-0.001	52703825H	0.2000	0.1830	M
						RPD = 8.73	
8 Pentachlorophenol							M
1	9.880	9.881	-0.001	120581219H	0.0500	0.0444	
2	9.658	9.658	0.000	137728327H	0.0500	0.0478	M
						RPD = 7.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Silvex (2,4,5-TP)							
1	10.035	10.037	-0.002	52929805H	0.0500	0.0425	
2	10.234	10.234	0.000	59100326H	0.0500	0.0450	
						RPD = 5.54	
10 2,4,5-T							
1	10.583	10.585	-0.002	48892101H	0.0500	0.0418	
2	10.687	10.687	0.000	53637505H	0.0500	0.0451	
						RPD = 7.52	
11 Dinoseb							
1	10.838	10.840	-0.002	125350338H	0.2000	0.1666	
2	11.764	11.764	0.000	124167738H	0.2000	0.1763	
						RPD = 5.67	
12 2,4-DB							
1	10.965	10.967	-0.002	25191583H	0.2000	0.1612	
2	11.119	11.120	-0.001	28240156H	0.2000	0.1777	
						RPD = 9.75	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBICVSTD_00025 Amount Added: 1.00 Units: mL

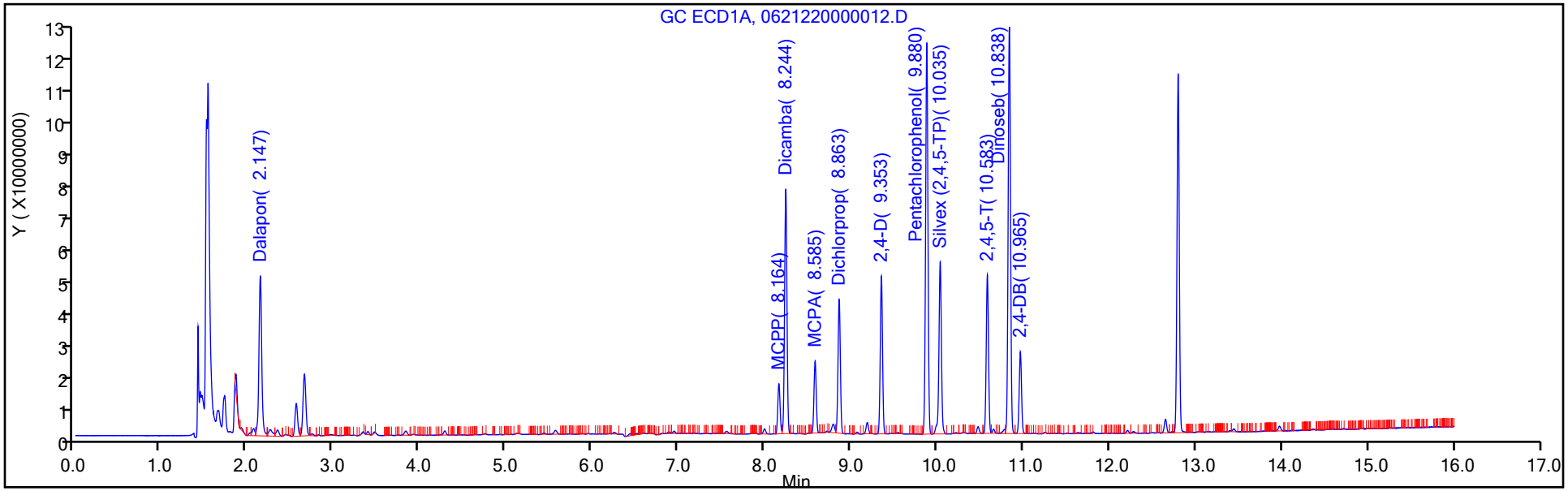
Report Date: 22-Jun-2022 08:51:58 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

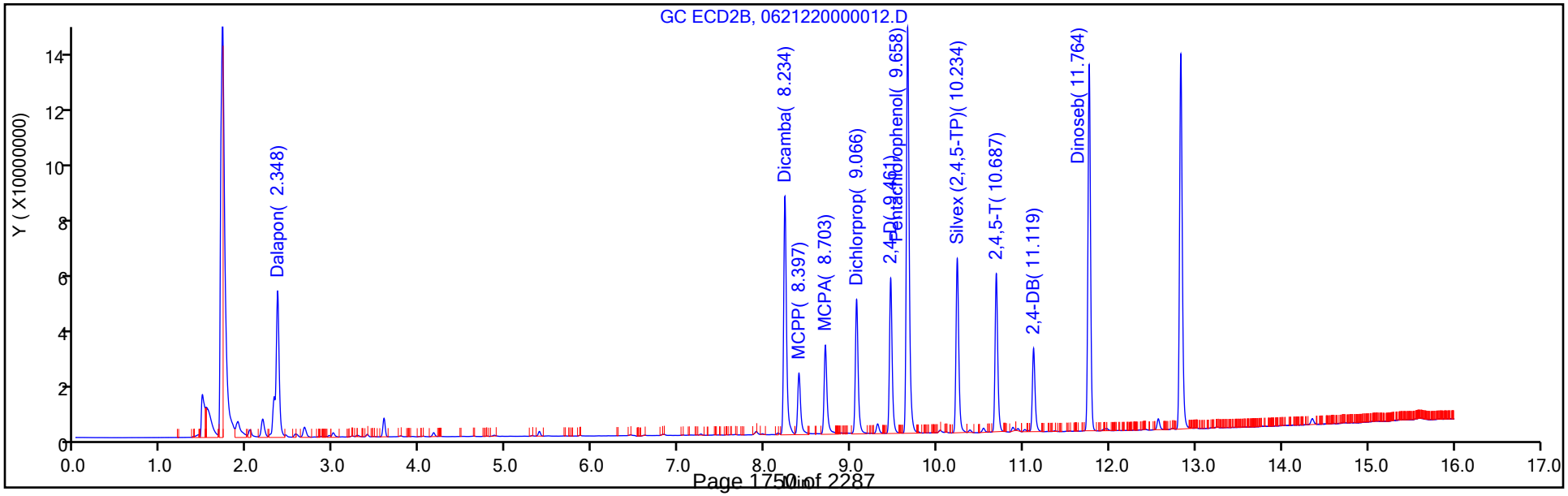
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D

Injection Date:	21-Jun-2022 09:00:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402627/8 Calibration Date: 06/21/2022 09:00

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0621220000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	308714788	247148735		0.160	0.200	-19.9	20.0
Dicamba	Ave	882754641	809134440		0.0917	0.100	-8.3	20.0
MCPP	Ave	1266760	1043884		16.5	20.0	-17.6	20.0
MCPA	Ave	1781985	1510265		17.0	20.0	-15.2	20.0
Dichlorprop	Ave	249118678	228054330		0.183	0.200	-8.5	20.0
2,4-D	Ave	288022985	263519125		0.183	0.200	-8.5	20.0
Pentachlorophenol	Ave	2882668348	2754566540		0.0478	0.0500	-4.4	20.0
Silvex (2,4,5-TP)	Ave	1314796182	1182006520		0.0450	0.0500	-10.1	20.0
2,4,5-T	Ave	1189655720	1072750100		0.0451	0.0500	-9.8	20.0
2,4-DB	Ave	158926422	141200780		0.178	0.200	-11.2	20.0
Dinoseb	Ave	704209754	620838690		0.176	0.200	-11.8	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: ICV 180-402627/8 Calibration Date: 06/21/2022 09:00

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0621220000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.35	2.32	2.38
Dicamba	8.23	8.21	8.27
MCPP	8.40	8.37	8.43
MCPA	8.70	8.67	8.73
Dichlorprop	9.07	9.04	9.10
2,4-D	9.46	9.43	9.49
Pentachlorophenol	9.66	9.63	9.69
Silvex (2,4,5-TP)	10.23	10.20	10.26
2,4,5-T	10.69	10.66	10.72
2,4-DB	11.12	11.09	11.15
Dinoseb	11.76	11.73	11.79

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jun-2022 09:00:00 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0043410-008
Operator ID: Instrument ID: CGC1
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 22-Jun-2022 08:51:37 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1618

First Level Reviewer: oravecj Date: 22-Jun-2022 08:43:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							M
1	2.147	2.147	0.000	49312055H	0.2000	0.1775	
2	2.348	2.348	0.000	49429747H	0.2000	0.1601	M
						RPD = 10.28	
3 MCPP							M
1	8.164	8.166	-0.002	15462158H	20.0	18.7	
2	8.397	8.398	-0.001	20877676H	20.0	16.5	M
						RPD = 12.82	
4 Dicamba							M
1	8.244	8.245	-0.001	75355983H	0.1000	0.0843	
2	8.234	8.235	-0.001	80913444H	0.1000	0.0917	M
						RPD = 8.42	
5 MCPA							M
1	8.585	8.585	0.000	22159804H	20.0	19.5	
2	8.703	8.704	-0.001	30205292H	20.0	17.0	M
						RPD = 13.75	
6 Dichlorprop							M
1	8.863	8.866	-0.003	41267220H	0.2000	0.1668	
2	9.066	9.067	-0.001	45610866H	0.2000	0.1831	M
						RPD = 9.31	
7 2,4-D							M
1	9.353	9.355	-0.002	48650846H	0.2000	0.1677	
2	9.461	9.462	-0.001	52703825H	0.2000	0.1830	M
						RPD = 8.73	
8 Pentachlorophenol							M
1	9.880	9.881	-0.001	120581219H	0.0500	0.0444	
2	9.658	9.658	0.000	137728327H	0.0500	0.0478	M
						RPD = 7.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 Silvex (2,4,5-TP)							
1	10.035	10.037	-0.002	52929805H	0.0500	0.0425	
2	10.234	10.234	0.000	59100326H	0.0500	0.0450	
						RPD = 5.54	
10 2,4,5-T							
1	10.583	10.585	-0.002	48892101H	0.0500	0.0418	
2	10.687	10.687	0.000	53637505H	0.0500	0.0451	
						RPD = 7.52	
11 Dinoseb							
1	10.838	10.840	-0.002	125350338H	0.2000	0.1666	
2	11.764	11.764	0.000	124167738H	0.2000	0.1763	
						RPD = 5.67	
12 2,4-DB							
1	10.965	10.967	-0.002	25191583H	0.2000	0.1612	
2	11.119	11.120	-0.001	28240156H	0.2000	0.1777	
						RPD = 9.75	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBICVSTD_00025 Amount Added: 1.00 Units: mL

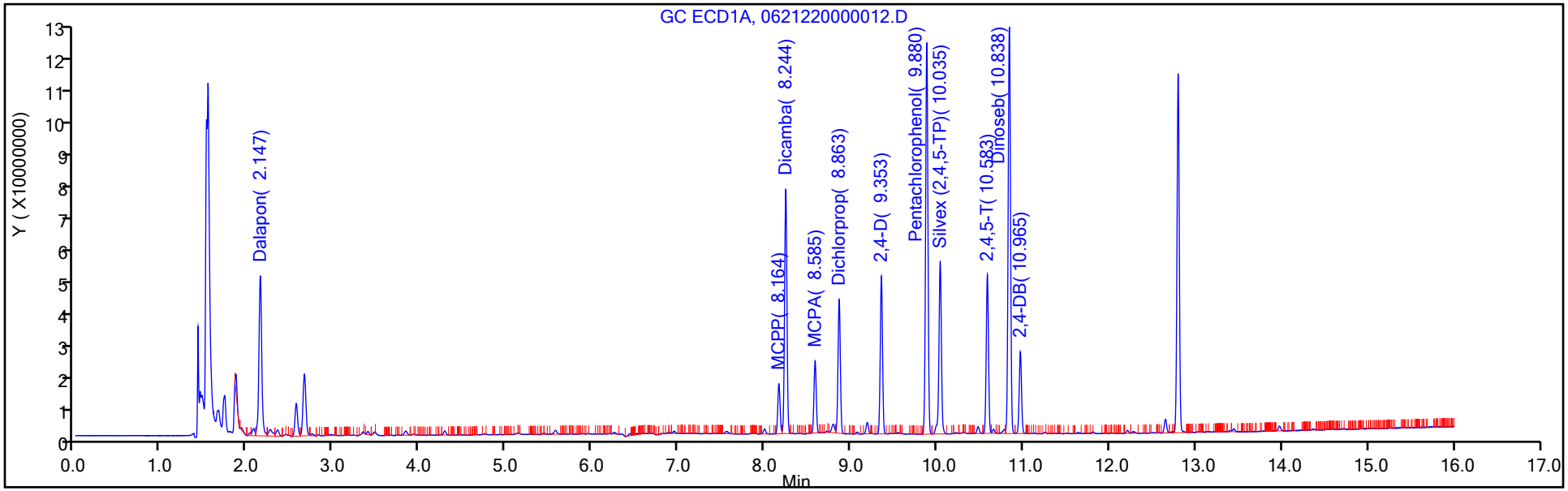
Report Date: 22-Jun-2022 08:51:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Pittsburgh

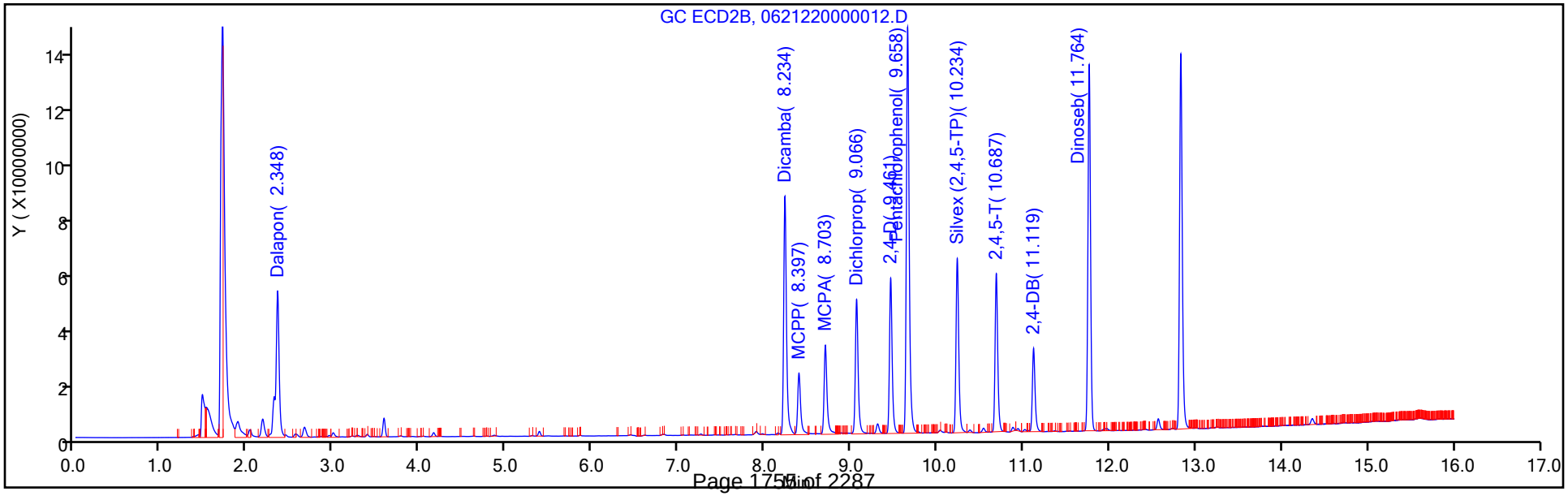
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D

Injection Date:	21-Jun-2022 09:00:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

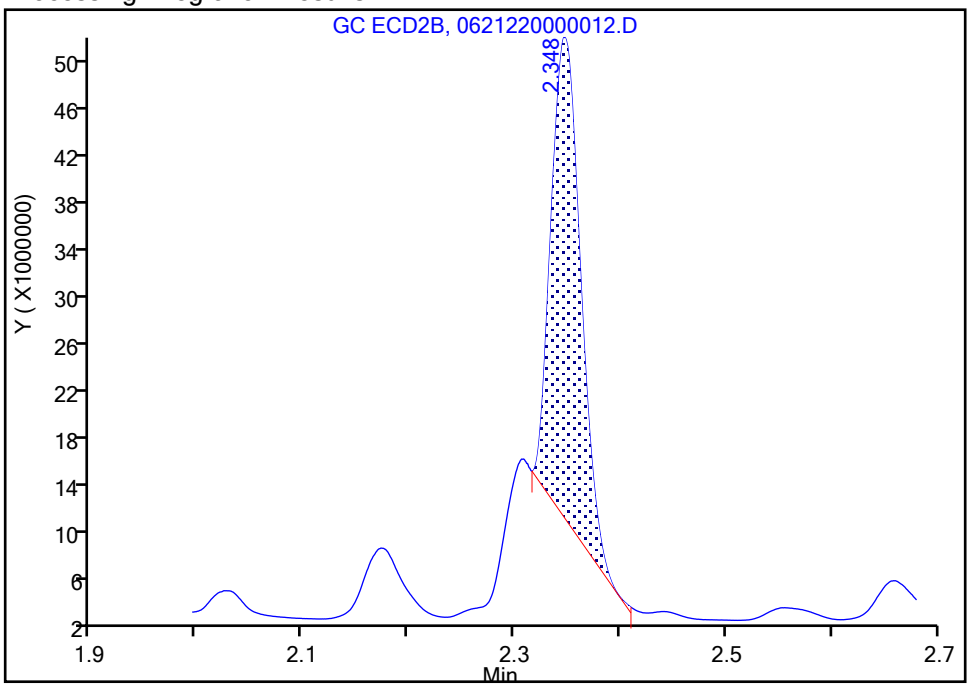
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

1 Dalapon, CAS: 75-99-0

Signal: 2

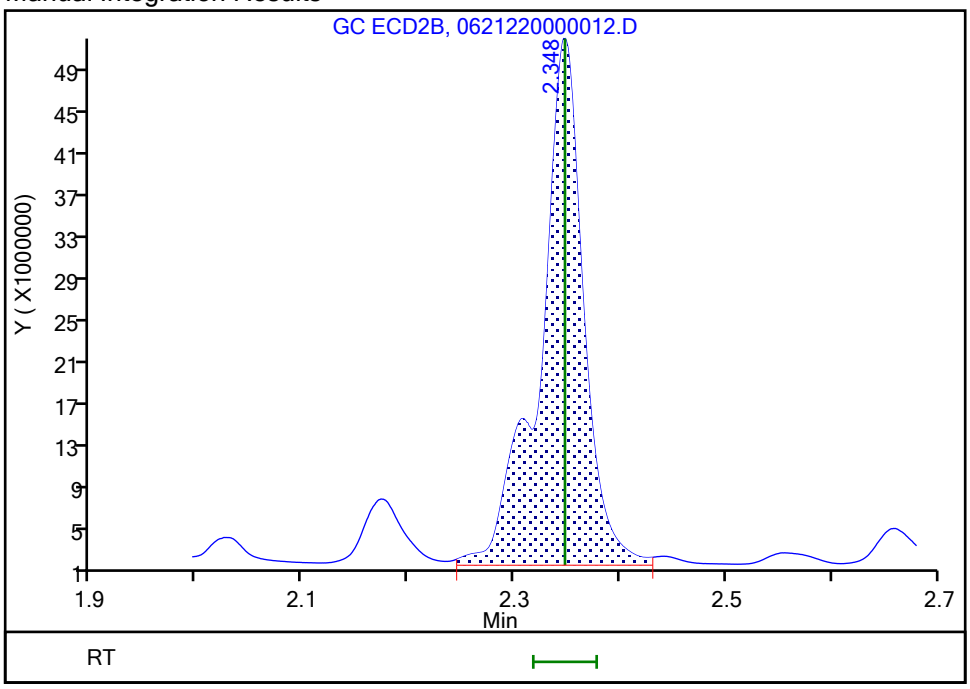
Processing Integration Results

RT: 2.35
Height: 40722391
Amount: 0.131909
Amount Units: ng



Manual Integration Results

RT: 2.35
Height: 49429747
Amount: 0.160115
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:20
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

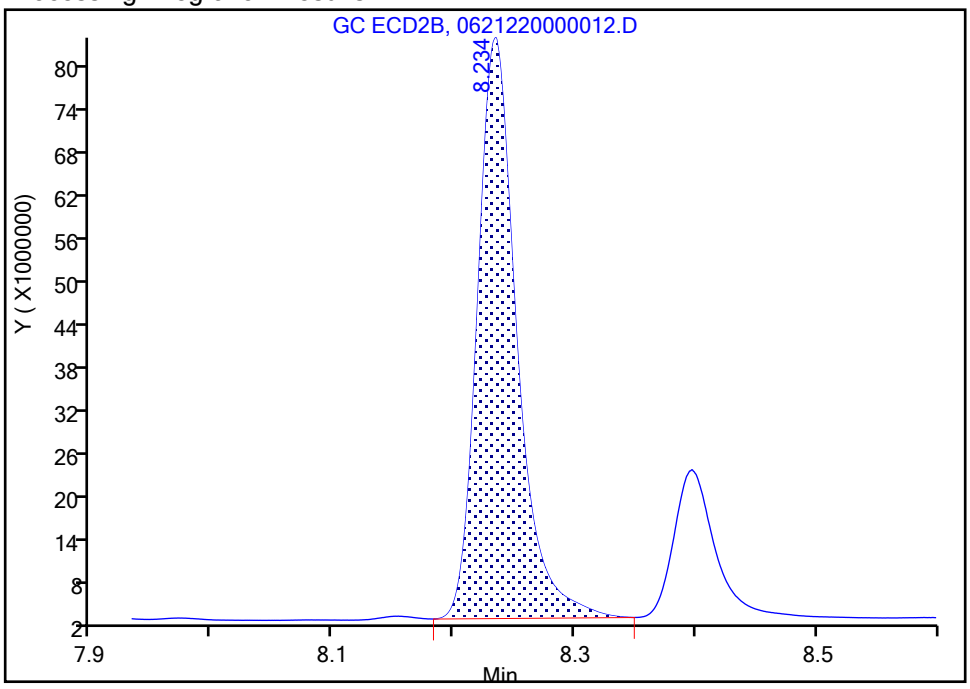
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

4 Dicamba, CAS: 1918-00-9

Signal: 2

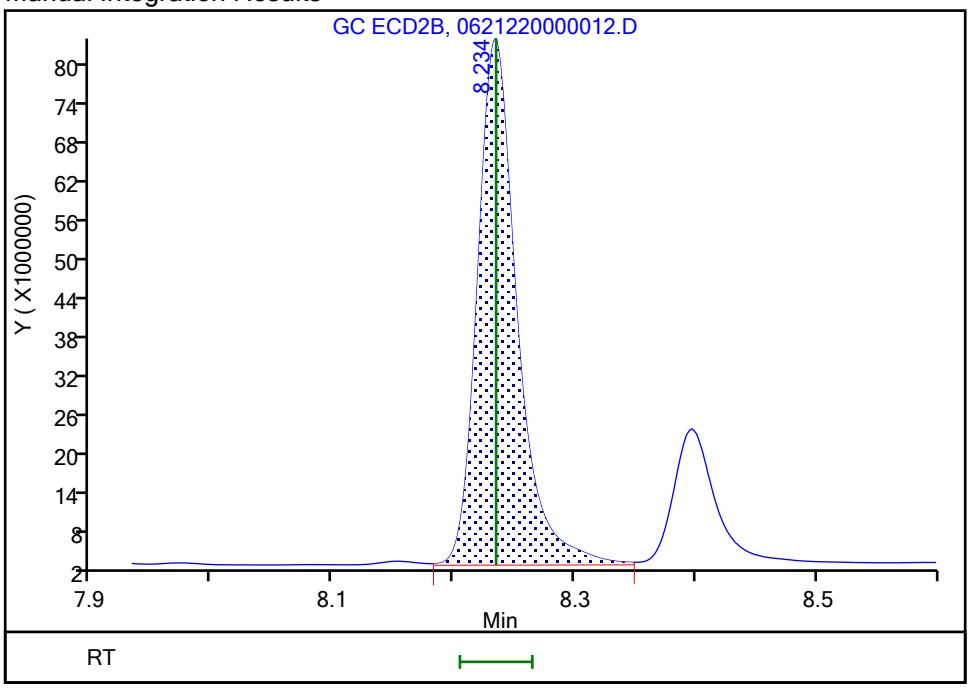
Processing Integration Results

RT: 8.23
Height: 80642837
Amount: 0.091354
Amount Units: ng



Manual Integration Results

RT: 8.23
Height: 80913444
Amount: 0.091660
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

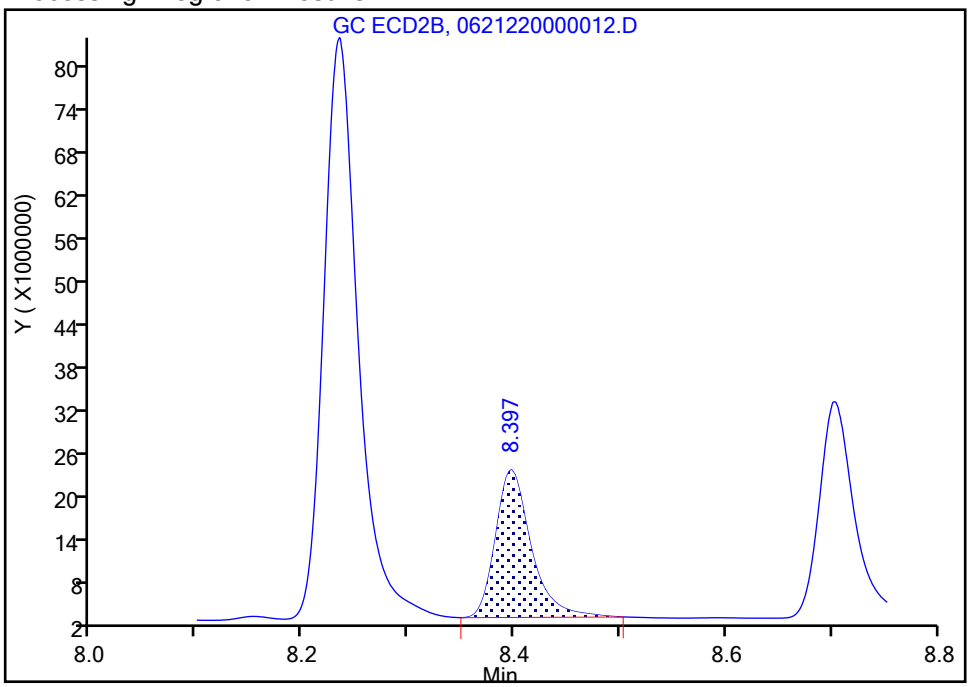
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

3 MCPP, CAS: 93-65-2

Signal: 2

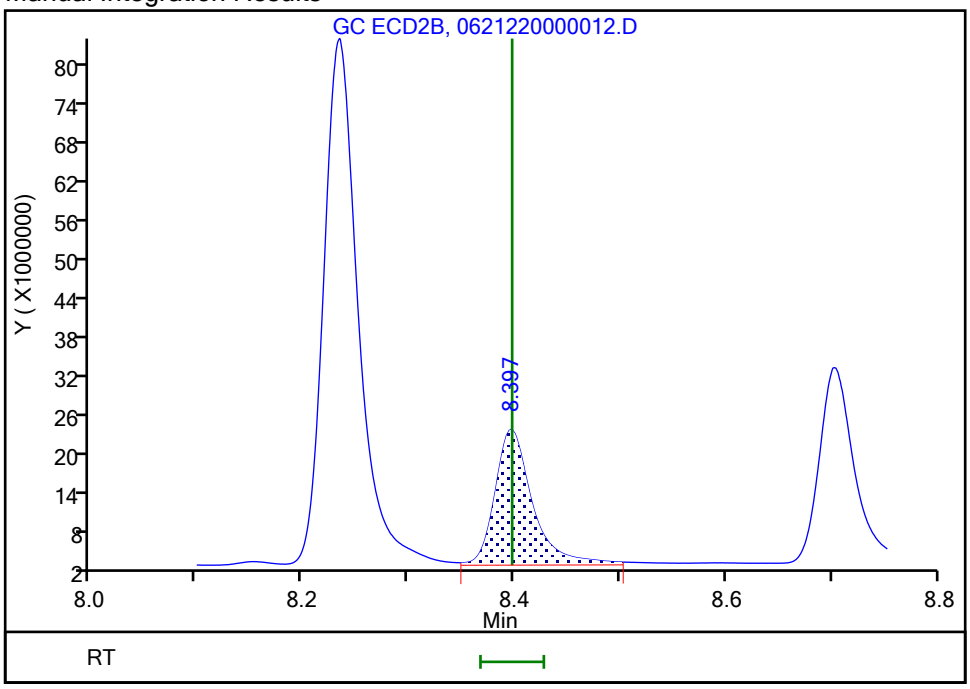
Processing Integration Results

RT: 8.40
Height: 20489588
Amount: 16.174798
Amount Units: ng



Manual Integration Results

RT: 8.40
Height: 20877676
Amount: 16.481161
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

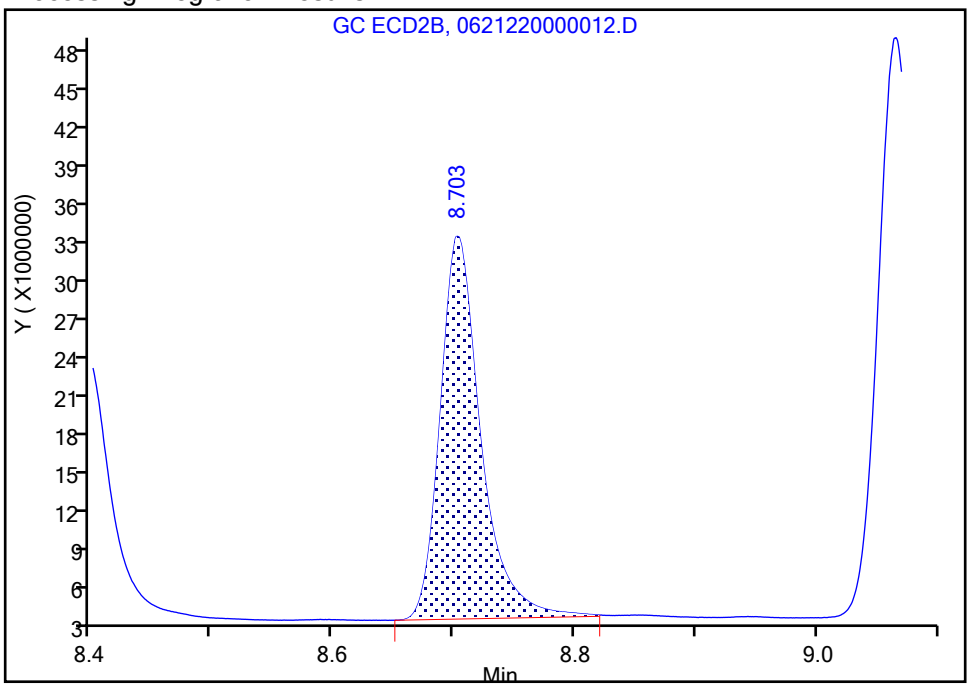
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

5 MCPA, CAS: 94-74-6

Signal: 2

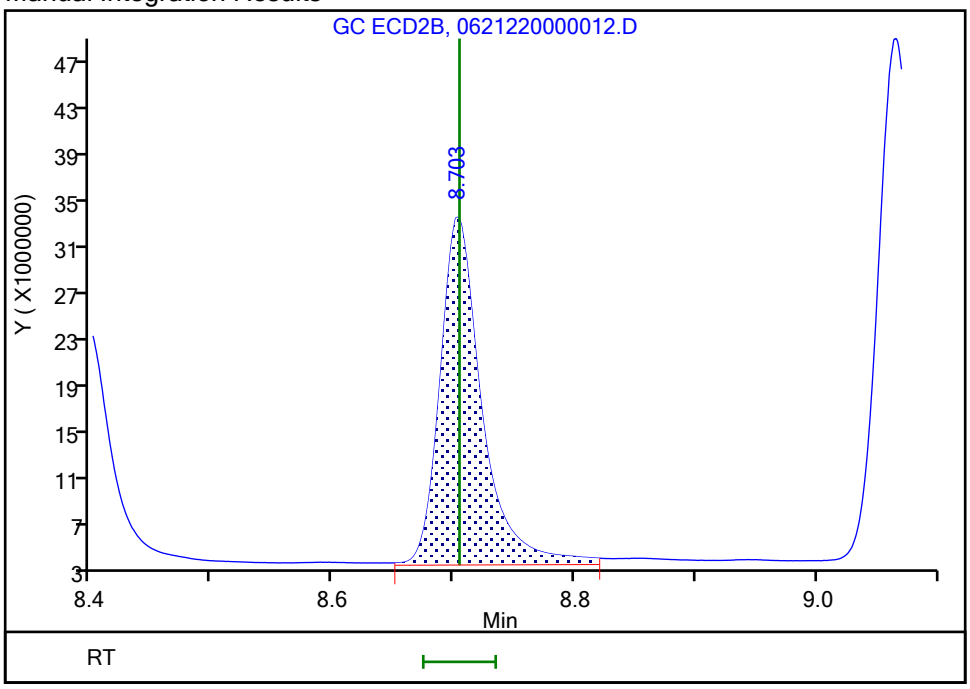
Processing Integration Results

RT: 8.70
Height: 29929797
Amount: 16.795759
Amount Units: ng



Manual Integration Results

RT: 8.70
Height: 30205292
Amount: 16.950359
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

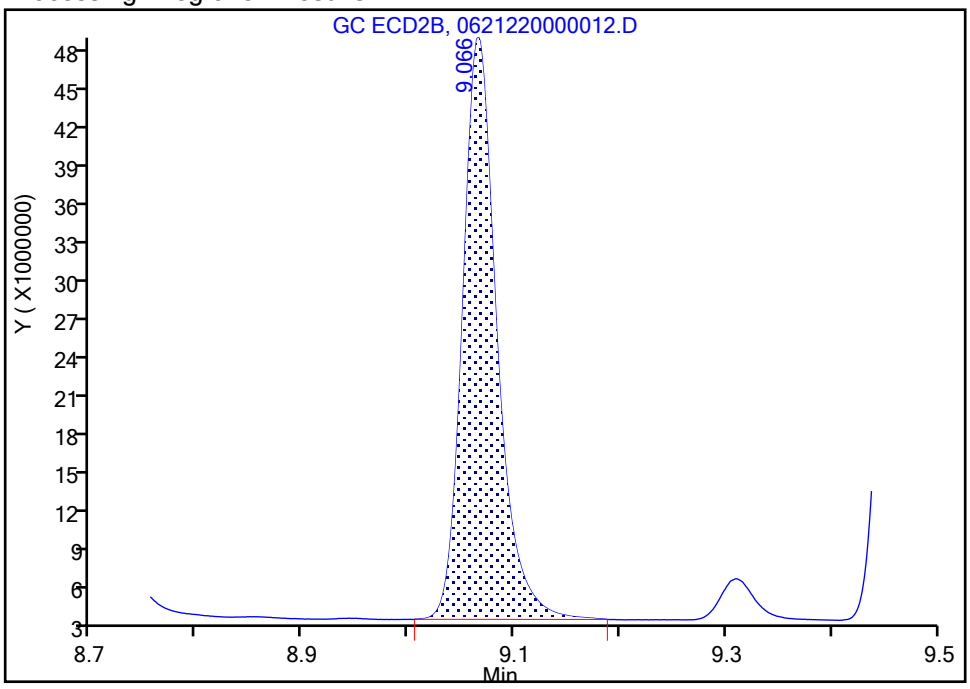
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

6 Dichlorprop, CAS: 120-36-5

Signal: 2

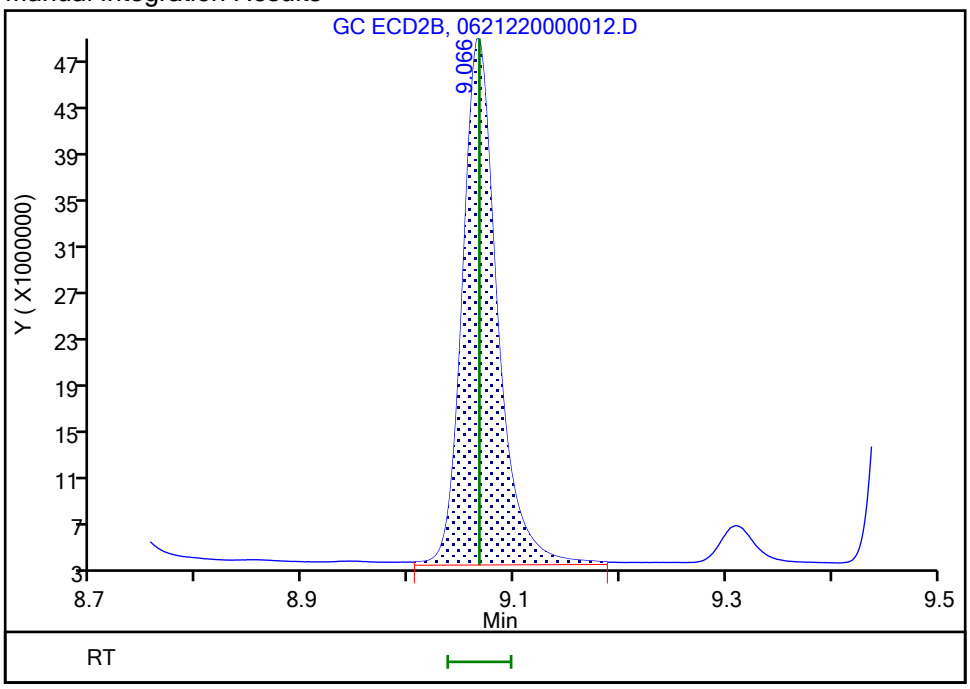
Processing Integration Results

RT: 9.07
Height: 45358965
Amount: 0.182078
Amount Units: ng



Manual Integration Results

RT: 9.07
Height: 45610866
Amount: 0.183089
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

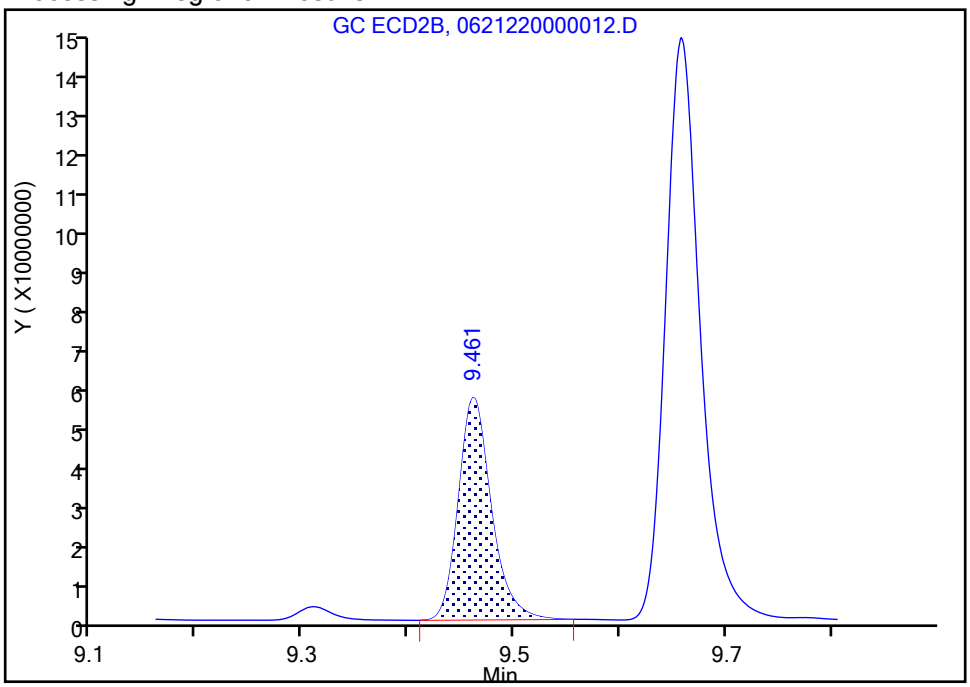
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D
Injection Date: 21-Jun-2022 09:00:00 Instrument ID: CGC1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

7 2,4-D, CAS: 94-75-7

Signal: 2

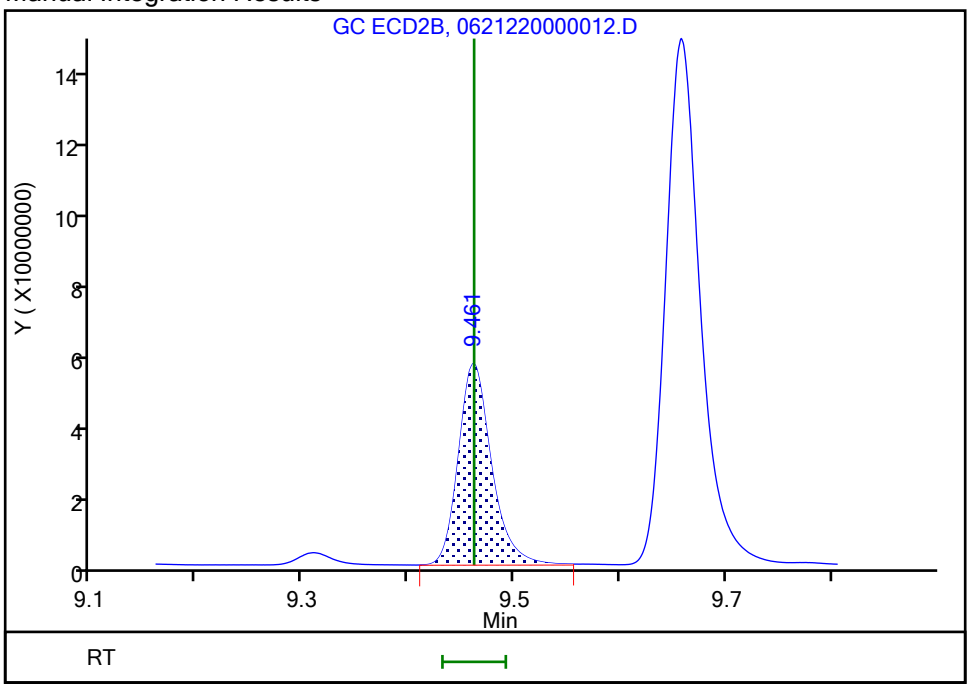
Processing Integration Results

RT: 9.46
Height: 52592690
Amount: 0.182599
Amount Units: ng



Manual Integration Results

RT: 9.46
Height: 52703825
Amount: 0.182985
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

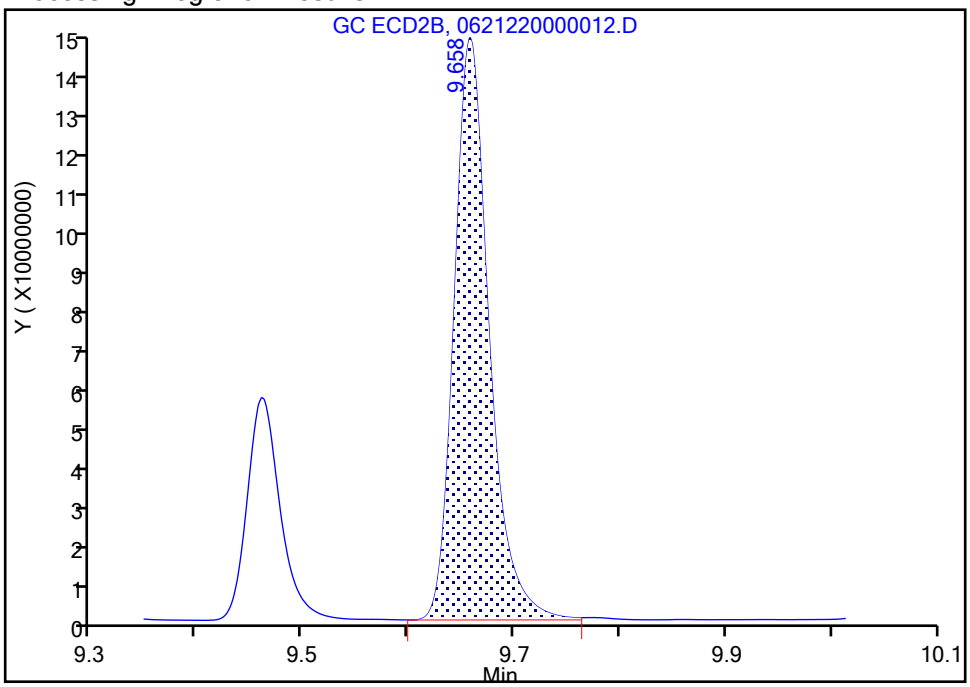
Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000012.D				
Injection Date:	21-Jun-2022 09:00:00	Instrument ID:	CGC1		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		
Column:	RTX-1701 (0.53 mm)	Detector	GC ECD2B		

8 Pentachlorophenol, CAS: 87-86-5

Signal: 2

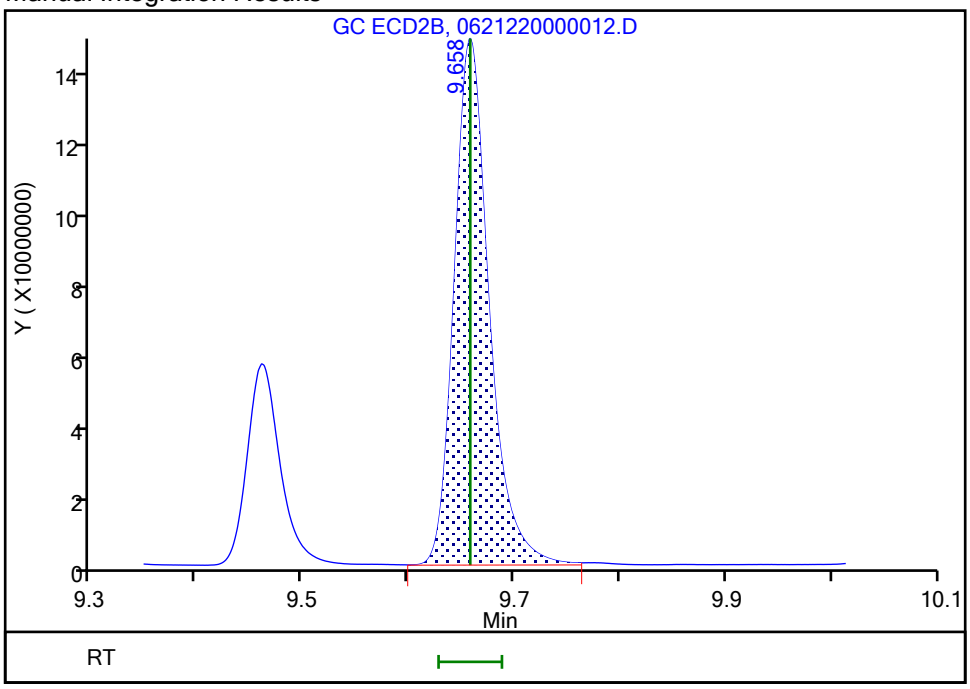
Processing Integration Results

RT: 9.66
Height: 137675233
Amount: 0.047760
Amount Units: ng



Manual Integration Results

RT: 9.66
Height: 137728327
Amount: 0.047778
Amount Units: ng



Reviewer: oravecj, 22-Jun-2022 08:43:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVRT 180-408559/1 Calibration Date: 08/13/2022 08:06

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		326502638		0.0893	0.0800	11.6	15.0
MCPP	Ave	825155	957444		9.28	8.00	16.0*	15.0
Dicamba	Ave	894385019	885148800		0.0396	0.0400	-1.0	15.0
MCPA	Lin1		1400380		9.36	8.00	17.0*	15.0
Dichlorprop	Ave	247405641	237096838		0.0767	0.0800	-4.2	15.0
2,4-D	Ave	290156540	271455113		0.0748	0.0800	-6.4	15.0
Pentachlorophenol	Ave	2714578681	2512353600		0.0185	0.0200	-7.4	15.0
Silvex (2,4,5-TP)	Ave	1244583254	1153511700		0.0185	0.0200	-7.3	15.0
2,4,5-T	Ave	1169195499	1085532700		0.0186	0.0200	-7.2	15.0
Dinoseb	Ave	752391408	704749625		0.0749	0.0800	-6.3	15.0
2,4-DB	Ave	156305524	143536175		0.0735	0.0800	-8.2	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	313262886	324185188		0.0166	0.0160	3.5	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVRT 180-408559/1 Calibration Date: 08/13/2022 08:06

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.15	2.12	2.18
MCPP	8.14	8.11	8.17
Dicamba	8.22	8.19	8.25
MCPA	8.56	8.53	8.59
Dichlorprop	8.84	8.81	8.87
2,4-D	9.33	9.30	9.36
Pentachlorophenol	9.85	9.82	9.88
Silvex (2,4,5-TP)	10.01	9.98	10.04
2,4,5-T	10.56	10.53	10.59
Dinoseb	10.81	10.76	10.86
2,4-DB	10.94	10.91	10.97
2,4-Dichlorophenylacetic acid (Surr)	7.93	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000005.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 13-Aug-2022 08:06:49 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-001
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 13-Aug-2022 13:20:31 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1633

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.146	2.146	0.000	26120211H	0.0800	0.0893	
2	2.338	2.338	0.000	24303371H	0.0800	0.0787	
						RPD = 12.59	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.925	7.925	0.000	5186963H	0.0160	0.0166	
2	7.925	7.925	0.000	4714368H	0.0160	0.0167	
						RPD = 0.68	
3 MCPP							
1	8.140	8.140	0.000	7659551H	8.00	9.28	
2	8.350	8.350	0.000	9311854H	8.00	7.35	
						RPD = 23.23	
4 Dicamba							
1	8.218	8.218	0.000	35405952H	0.0400	0.0396	
2	8.190	8.190	0.000	36003334H	0.0400	0.0408	
						RPD = 2.98	
5 MCPA							
1	8.558	8.558	0.000	11203040H	8.00	9.36	
2	8.657	8.657	0.000	13307180H	8.00	7.47	
						RPD = 22.49	
6 Dichlorprop							
1	8.836	8.836	0.000	18967747H	0.0800	0.0767	
2	9.019	9.019	0.000	19645979H	0.0800	0.0789	
						RPD = 2.82	
7 2,4-D							
1	9.326	9.326	0.000	21716409H	0.0800	0.0748	
2	9.414	9.414	0.000	22433592H	0.0800	0.0779	
						RPD = 3.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.852	9.852	0.000	50247072H	0.0200	0.0185	
2	9.615	9.615	0.000	57277871H	0.0200	0.0199	
						RPD = 7.09	
9 Silvex (2,4,5-TP)							
1	10.007	10.007	0.000	23070234H	0.0200	0.0185	
2	10.184	10.184	0.000	25999563H	0.0200	0.0198	
						RPD = 6.46	
10 2,4,5-T							
1	10.555	10.555	0.000	21710654H	0.0200	0.0186	
2	10.636	10.636	0.000	23118339H	0.0200	0.0194	
						RPD = 4.55	
11 Dinoseb							
1	10.808	10.808	0.000	56379970H	0.0800	0.0749	
2	11.711	11.711	0.000	57545900H	0.0800	0.0817	
						RPD = 8.66	
12 2,4-DB							
1	10.936	10.936	0.000	11482894H	0.0800	0.0735	
2	11.066	11.066	0.000	12541638H	0.0800	0.0789	
						RPD = 7.15	

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

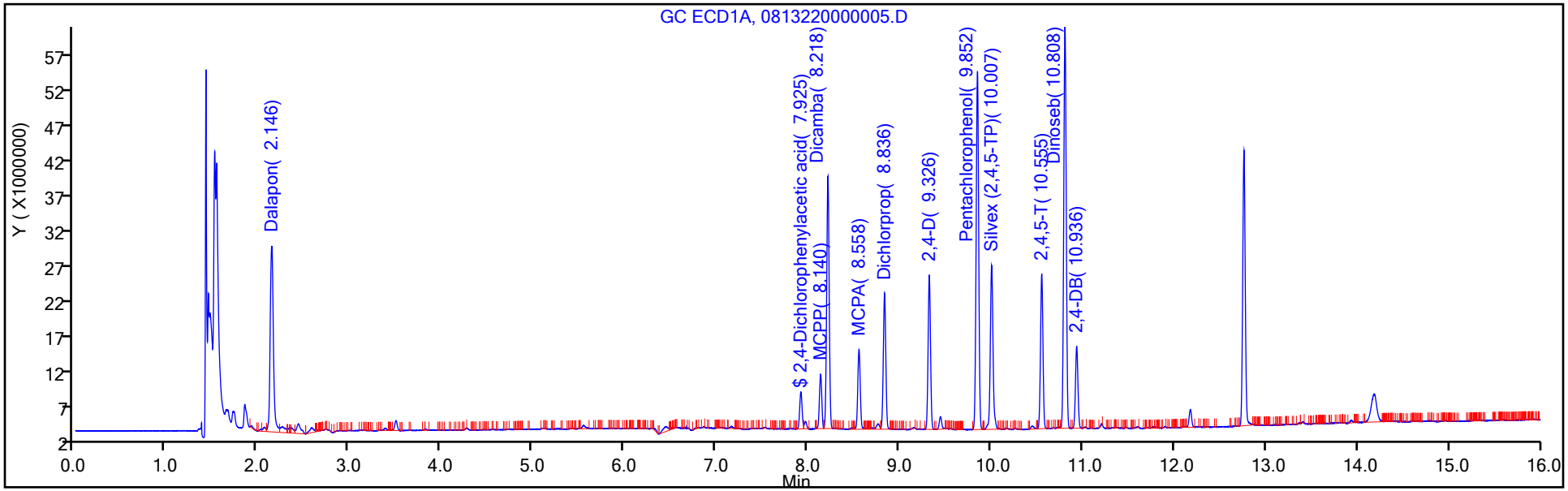
Report Date: 13-Aug-2022 13:20:31 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

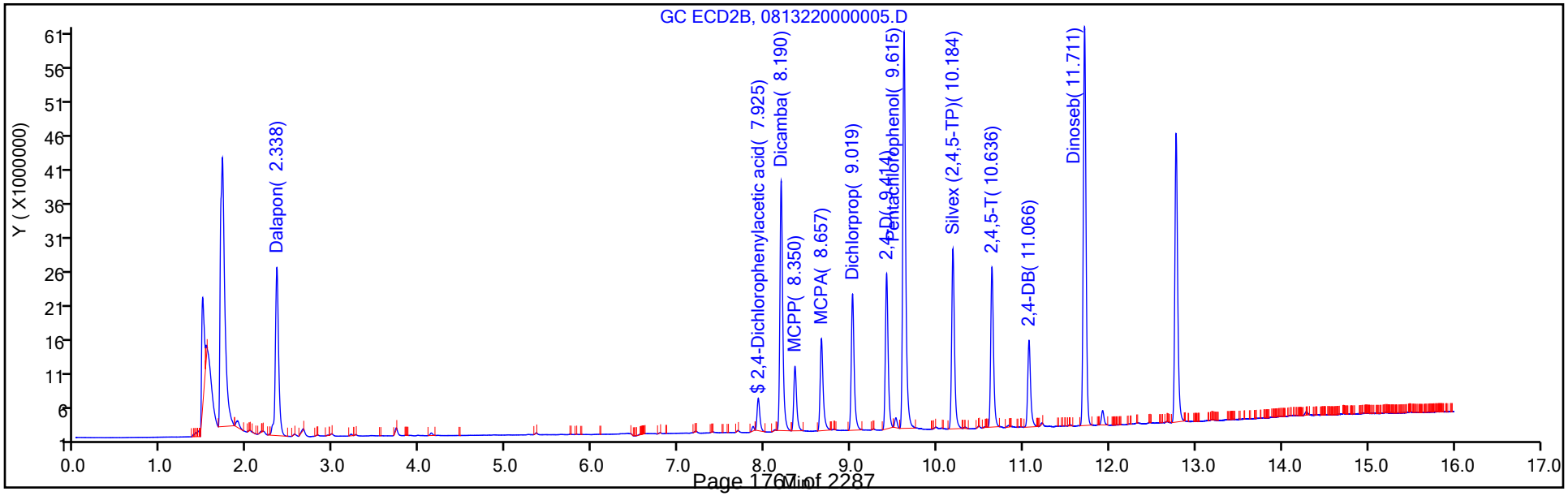
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000005.D

Injection Date:	13-Aug-2022 08:06:49	Instrument ID:	CGC1	Operator ID:	
Lims ID:	CCVRT			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVRT 180-408559/1 Calibration Date: 08/13/2022 08:06

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	308714788	303792138		0.0787	0.0800	-1.6	15.0
Dicamba	Ave	882754641	900083350		0.0408	0.0400	2.0	15.0
MCPP	Ave	1266760	1163982		7.35	8.00	-8.1	15.0
MCPA	Ave	1781985	1663398		7.47	8.00	-6.7	15.0
Dichlorprop	Ave	249118678	245574738		0.0789	0.0800	-1.4	15.0
2,4-D	Ave	288022985	280419900		0.0779	0.0800	-2.6	15.0
Pentachlorophenol	Ave	2882668348	2863893550		0.0199	0.0200	-0.7	15.0
Silvex (2,4,5-TP)	Ave	1314796182	1299978150		0.0198	0.0200	-1.1	15.0
2,4,5-T	Ave	1189655720	1155916950		0.0194	0.0200	-2.8	15.0
2,4-DB	Ave	158926422	156770475		0.0789	0.0800	-1.4	15.0
Dinoseb	Ave	704209754	719323750		0.0817	0.0800	2.1	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	282778651	294648000		0.0167	0.0160	4.2	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCVRT 180-408559/1 Calibration Date: 08/13/2022 08:06

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.34	2.31	2.37
Dicamba	8.19	8.16	8.22
MCPP	8.35	8.32	8.38
MCPA	8.66	8.63	8.69
Dichlorprop	9.02	8.99	9.05
2,4-D	9.41	9.38	9.44
Pentachlorophenol	9.62	9.59	9.65
Silvex (2,4,5-TP)	10.18	10.15	10.21
2,4,5-T	10.64	10.61	10.67
2,4-DB	11.07	11.04	11.10
Dinoseb	11.71	11.68	11.74
2,4-Dichlorophenylacetic acid (Surr)	7.93	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000005.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 13-Aug-2022 08:06:49 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-001
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 13-Aug-2022 13:20:31 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1633

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.146	2.146	0.000	26120211H	0.0800	0.0893	
2	2.338	2.338	0.000	24303371H	0.0800	0.0787	
						RPD = 12.59	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.925	7.925	0.000	5186963H	0.0160	0.0166	
2	7.925	7.925	0.000	4714368H	0.0160	0.0167	
						RPD = 0.68	
3 MCPP							
1	8.140	8.140	0.000	7659551H	8.00	9.28	
2	8.350	8.350	0.000	9311854H	8.00	7.35	
						RPD = 23.23	
4 Dicamba							
1	8.218	8.218	0.000	35405952H	0.0400	0.0396	
2	8.190	8.190	0.000	36003334H	0.0400	0.0408	
						RPD = 2.98	
5 MCPA							
1	8.558	8.558	0.000	11203040H	8.00	9.36	
2	8.657	8.657	0.000	13307180H	8.00	7.47	
						RPD = 22.49	
6 Dichlorprop							
1	8.836	8.836	0.000	18967747H	0.0800	0.0767	
2	9.019	9.019	0.000	19645979H	0.0800	0.0789	
						RPD = 2.82	
7 2,4-D							
1	9.326	9.326	0.000	21716409H	0.0800	0.0748	
2	9.414	9.414	0.000	22433592H	0.0800	0.0779	
						RPD = 3.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.852	9.852	0.000	50247072H	0.0200	0.0185	
2	9.615	9.615	0.000	57277871H	0.0200	0.0199	
						RPD = 7.09	
9 Silvex (2,4,5-TP)							
1	10.007	10.007	0.000	23070234H	0.0200	0.0185	
2	10.184	10.184	0.000	25999563H	0.0200	0.0198	
						RPD = 6.46	
10 2,4,5-T							
1	10.555	10.555	0.000	21710654H	0.0200	0.0186	
2	10.636	10.636	0.000	23118339H	0.0200	0.0194	
						RPD = 4.55	
11 Dinoseb							
1	10.808	10.808	0.000	56379970H	0.0800	0.0749	
2	11.711	11.711	0.000	57545900H	0.0800	0.0817	
						RPD = 8.66	
12 2,4-DB							
1	10.936	10.936	0.000	11482894H	0.0800	0.0735	
2	11.066	11.066	0.000	12541638H	0.0800	0.0789	
						RPD = 7.15	

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

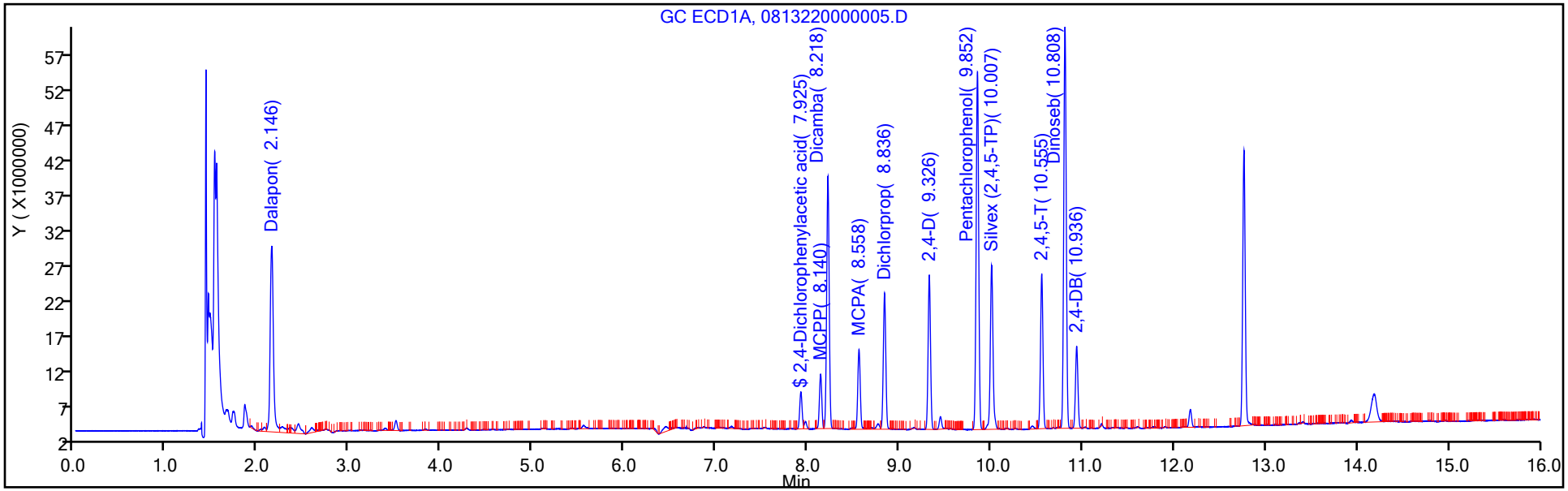
Report Date: 13-Aug-2022 13:20:32 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

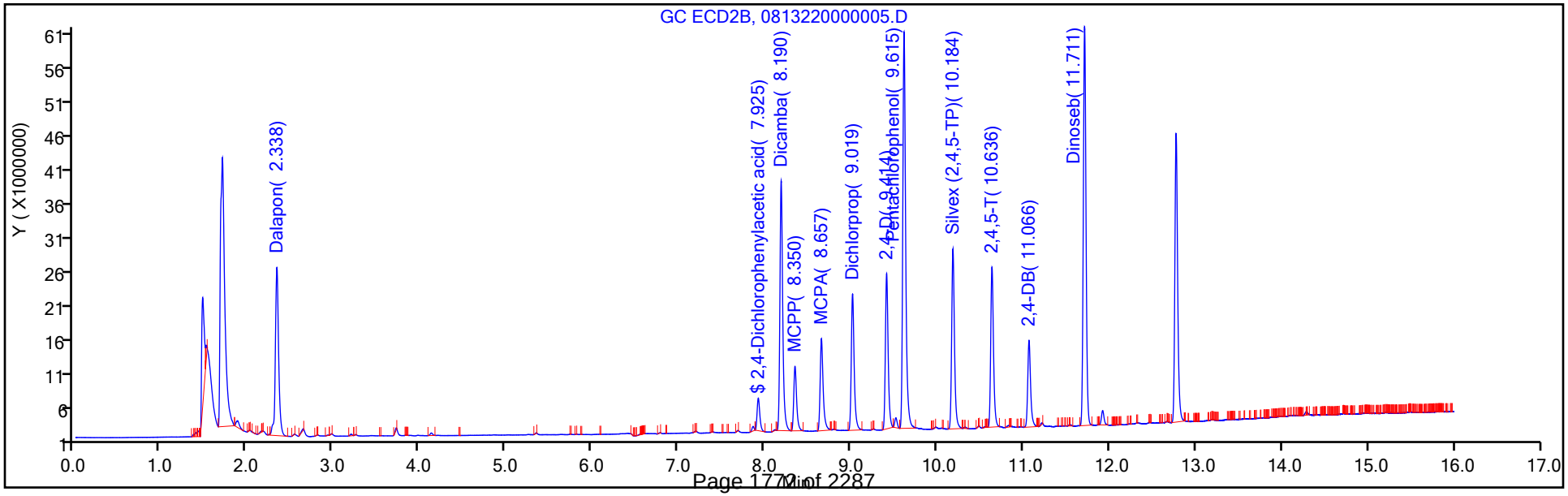
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000005.D

Injection Date:	13-Aug-2022 08:06:49	Instrument ID:	CGC1	Operator ID:	
Lims ID:	CCVRT			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/23 Calibration Date: 08/13/2022 15:17

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		320777188		0.0876	0.0800	9.4	15.0
MCPP	Ave	825155	1127474		10.9	8.00	36.6*	15.0
Dicamba	Ave	894385019	1110797550		0.0497	0.0400	24.2*	15.0
MCPA	Lin1		1629408		11.0	8.00	38.1*	15.0
Dichlorprop	Ave	247405641	282063763		0.0912	0.0800	14.0	15.0
2,4-D	Ave	290156540	307797975		0.0849	0.0800	6.1	15.0
Pentachlorophenol	Ave	2714578681	3230025400		0.0238	0.0200	19.0*	15.0
Silvex (2,4,5-TP)	Ave	1244583254	1376399400		0.0221	0.0200	10.6	15.0
2,4,5-T	Ave	1169195499	1216409200		0.0208	0.0200	4.0	15.0
Dinoseb	Ave	752391408	751326288		0.0799	0.0800	-0.1	15.0
2,4-DB	Ave	156305524	165208450		0.0846	0.0800	5.7	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	313262886	380783813		0.0194	0.0160	21.6*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/23 Calibration Date: 08/13/2022 15:17

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000027.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.14	2.12	2.18
MCPP	8.14	8.11	8.17
Dicamba	8.22	8.19	8.25
MCPA	8.56	8.53	8.59
Dichlorprop	8.84	8.81	8.87
2,4-D	9.32	9.30	9.36
Pentachlorophenol	9.85	9.82	9.88
Silvex (2,4,5-TP)	10.01	9.98	10.04
2,4,5-T	10.55	10.53	10.59
Dinoseb	10.81	10.76	10.86
2,4-DB	10.93	10.91	10.97
2,4-Dichlorophenylacetic acid (Surr)	7.92	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000027.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 13-Aug-2022 15:17:26 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-023
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:24:35 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:24:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.143	2.146	-0.003	25662175H	0.0800	0.0876	
2	2.336	2.338	-0.002	24485648H	0.0800	0.0793	
						RPD = 9.88	
$ 2 2,4-Dichlorophenylacetic acid							M
1	7.921	7.925	-0.004	6092541H	0.0160	0.0194	
2	7.922	7.925	-0.003	5687769H	0.0160	0.0201	M
						RPD = 3.36	
3 MCPP							
1	8.136	8.140	-0.004	9019791H	8.00	10.9	
2	8.349	8.350	-0.001	10566351H	8.00	8.34	
						RPD = 26.88	
4 Dicamba							
1	8.217	8.218	-0.001	44431902H	0.0400	0.0497	
2	8.189	8.190	-0.001	43296033H	0.0400	0.0490	
						RPD = 1.28	
5 MCPA							
1	8.556	8.558	-0.002	13035262H	8.00	11.0	
2	8.656	8.657	-0.001	14815694H	8.00	8.31	
						RPD = 28.24	
6 Dichlorprop							
1	8.835	8.836	-0.001	22565101H	0.0800	0.0912	
2	9.017	9.019	-0.002	22620798H	0.0800	0.0908	
						RPD = 0.44	
7 2,4-D							
1	9.323	9.326	-0.003	24623838H	0.0800	0.0849	
2	9.411	9.414	-0.003	25128670H	0.0800	0.0872	
						RPD = 2.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.849	9.852	-0.003	64600508H	0.0200	0.0238	
2	9.615	9.615	0.000	69110403H	0.0200	0.0240	
						RPD = 0.74	
9 Silvex (2,4,5-TP)							
1	10.005	10.007	-0.002	27527988H	0.0200	0.0221	
2	10.181	10.184	-0.003	29687170H	0.0200	0.0226	
						RPD = 2.06	
10 2,4,5-T							
1	10.551	10.555	-0.004	24328184H	0.0200	0.0208	
2	10.635	10.636	-0.001	25648162H	0.0200	0.0216	
						RPD = 3.55	
11 Dinoseb							
1	10.805	10.808	-0.003	60106103H	0.0800	0.0799	
2	11.708	11.711	-0.003	58723071H	0.0800	0.0834	
						RPD = 4.29	
12 2,4-DB							
1	10.932	10.936	-0.004	13216676H	0.0800	0.0846	
2	11.064	11.066	-0.002	13812183H	0.0800	0.0869	
						RPD = 2.74	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

Report Date: 15-Aug-2022 06:24:35 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000027.D

Injection Date: 13-Aug-2022 15:17:26 Instrument ID: CGC1 Operator ID:

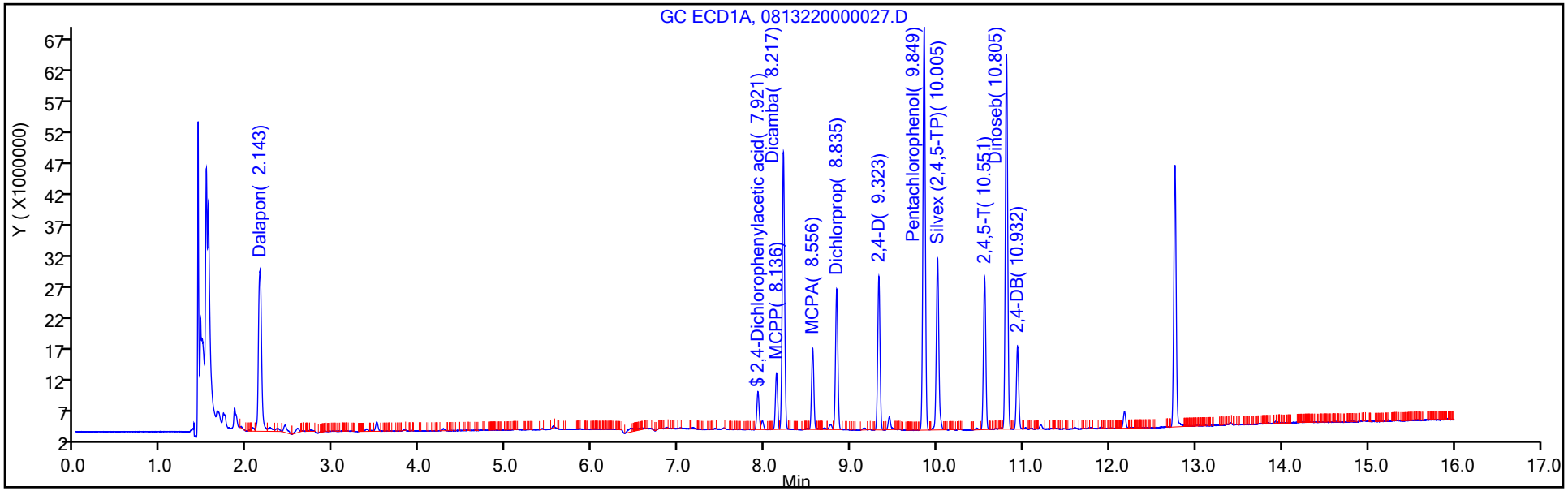
Lims ID: CCV Worklist Smp#: 23

Client ID:

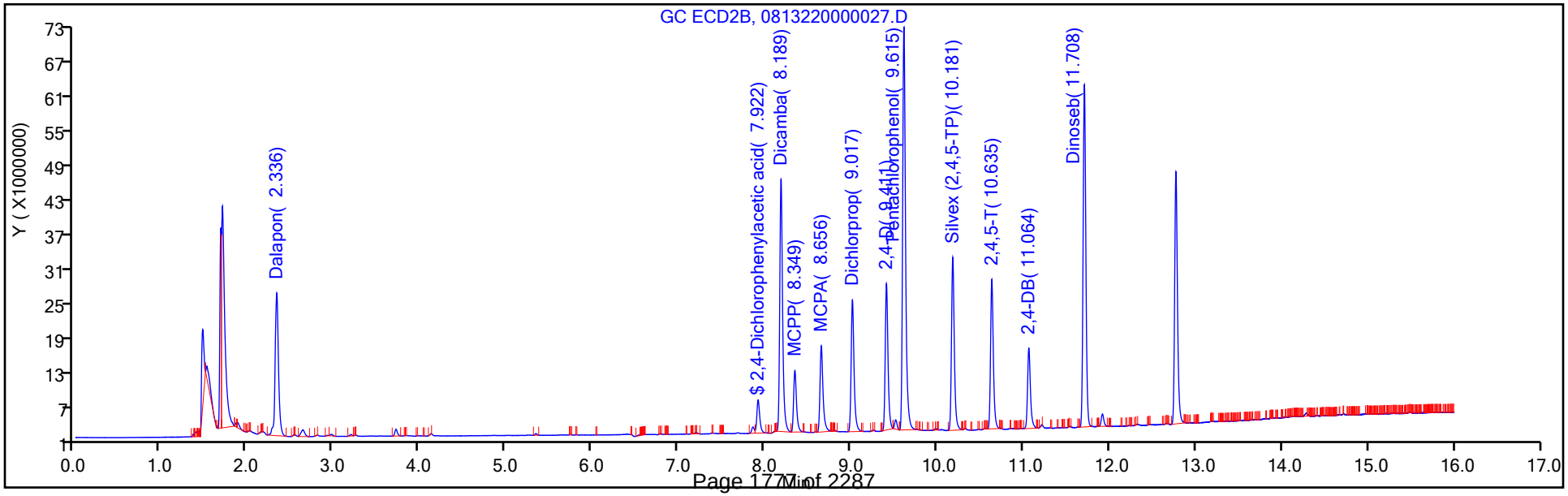
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 23

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/23 Calibration Date: 08/13/2022 15:17

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	308714788	306070600		0.0793	0.0800	-0.9	15.0
Dicamba	Ave	882754641	1082400825		0.0490	0.0400	22.6*	15.0
MCPP	Ave	1266760	1320794		8.34	8.00	4.3	15.0
MCPA	Ave	1781985	1851962		8.31	8.00	3.9	15.0
Dichlorprop	Ave	249118678	282759975		0.0908	0.0800	13.5	15.0
2,4-D	Ave	288022985	314108375		0.0872	0.0800	9.1	15.0
Pentachlorophenol	Ave	2882668348	3455520150		0.0240	0.0200	19.9*	15.0
Silvex (2,4,5-TP)	Ave	1314796182	1484358500		0.0226	0.0200	12.9	15.0
2,4,5-T	Ave	1189655720	1282408100		0.0216	0.0200	7.8	15.0
2,4-DB	Ave	158926422	172652288		0.0869	0.0800	8.6	15.0
Dinoseb	Ave	704209754	734038388		0.0834	0.0800	4.2	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	282778651	355485563		0.0201	0.0160	25.7*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/23 Calibration Date: 08/13/2022 15:17

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000027.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.34	2.31	2.37
Dicamba	8.19	8.16	8.22
MCPP	8.35	8.32	8.38
MCPA	8.66	8.63	8.69
Dichlorprop	9.02	8.99	9.05
2,4-D	9.41	9.38	9.44
Pentachlorophenol	9.62	9.59	9.65
Silvex (2,4,5-TP)	10.18	10.15	10.21
2,4,5-T	10.64	10.61	10.67
2,4-DB	11.06	11.04	11.10
Dinoseb	11.71	11.68	11.74
2,4-Dichlorophenylacetic acid (Surr)	7.92	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000027.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 13-Aug-2022 15:17:26 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-023
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:24:35 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:24:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.143	2.146	-0.003	25662175H	0.0800	0.0876	
2	2.336	2.338	-0.002	24485648H	0.0800	0.0793	
						RPD = 9.88	
$ 2 2,4-Dichlorophenylacetic acid							M
1	7.921	7.925	-0.004	6092541H	0.0160	0.0194	
2	7.922	7.925	-0.003	5687769H	0.0160	0.0201	M
						RPD = 3.36	
3 MCPP							
1	8.136	8.140	-0.004	9019791H	8.00	10.9	
2	8.349	8.350	-0.001	10566351H	8.00	8.34	
						RPD = 26.88	
4 Dicamba							
1	8.217	8.218	-0.001	44431902H	0.0400	0.0497	
2	8.189	8.190	-0.001	43296033H	0.0400	0.0490	
						RPD = 1.28	
5 MCPA							
1	8.556	8.558	-0.002	13035262H	8.00	11.0	
2	8.656	8.657	-0.001	14815694H	8.00	8.31	
						RPD = 28.24	
6 Dichlorprop							
1	8.835	8.836	-0.001	22565101H	0.0800	0.0912	
2	9.017	9.019	-0.002	22620798H	0.0800	0.0908	
						RPD = 0.44	
7 2,4-D							
1	9.323	9.326	-0.003	24623838H	0.0800	0.0849	
2	9.411	9.414	-0.003	25128670H	0.0800	0.0872	
						RPD = 2.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.849	9.852	-0.003	64600508H	0.0200	0.0238	
2	9.615	9.615	0.000	69110403H	0.0200	0.0240	
						RPD = 0.74	
9 Silvex (2,4,5-TP)							
1	10.005	10.007	-0.002	27527988H	0.0200	0.0221	
2	10.181	10.184	-0.003	29687170H	0.0200	0.0226	
						RPD = 2.06	
10 2,4,5-T							
1	10.551	10.555	-0.004	24328184H	0.0200	0.0208	
2	10.635	10.636	-0.001	25648162H	0.0200	0.0216	
						RPD = 3.55	
11 Dinoseb							
1	10.805	10.808	-0.003	60106103H	0.0800	0.0799	
2	11.708	11.711	-0.003	58723071H	0.0800	0.0834	
						RPD = 4.29	
12 2,4-DB							
1	10.932	10.936	-0.004	13216676H	0.0800	0.0846	
2	11.064	11.066	-0.002	13812183H	0.0800	0.0869	
						RPD = 2.74	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

Report Date: 15-Aug-2022 06:24:36 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000027.D

Injection Date: 13-Aug-2022 15:17:26 Instrument ID: CGC1 Operator ID:

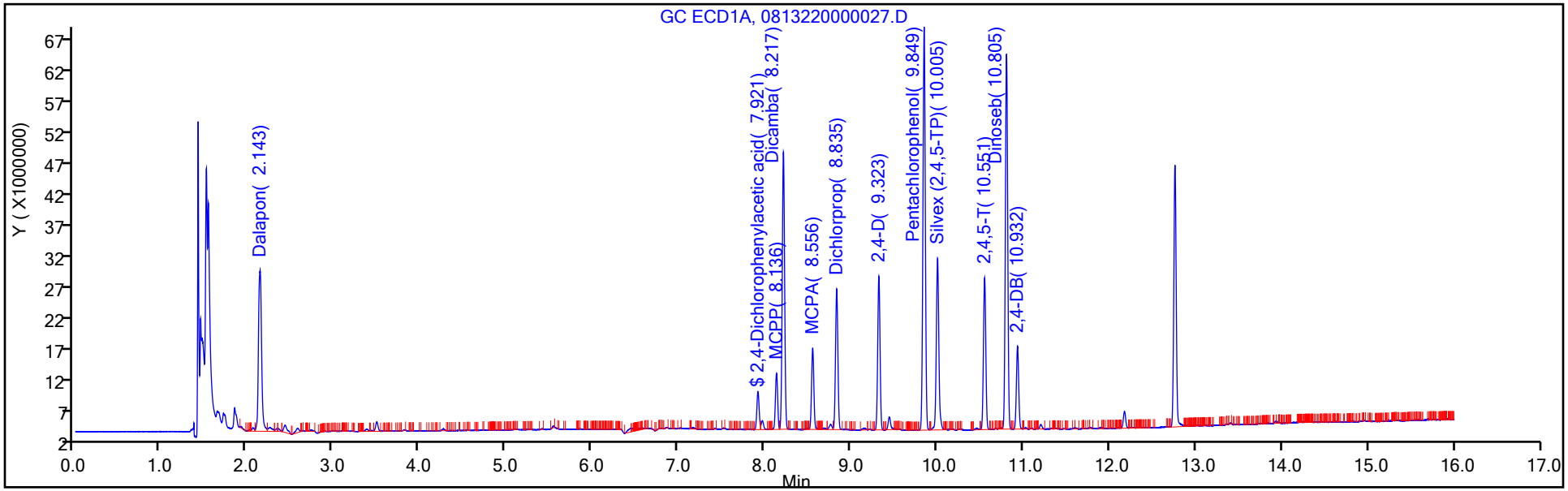
Lims ID: CCV Worklist Smp#: 23

Client ID:

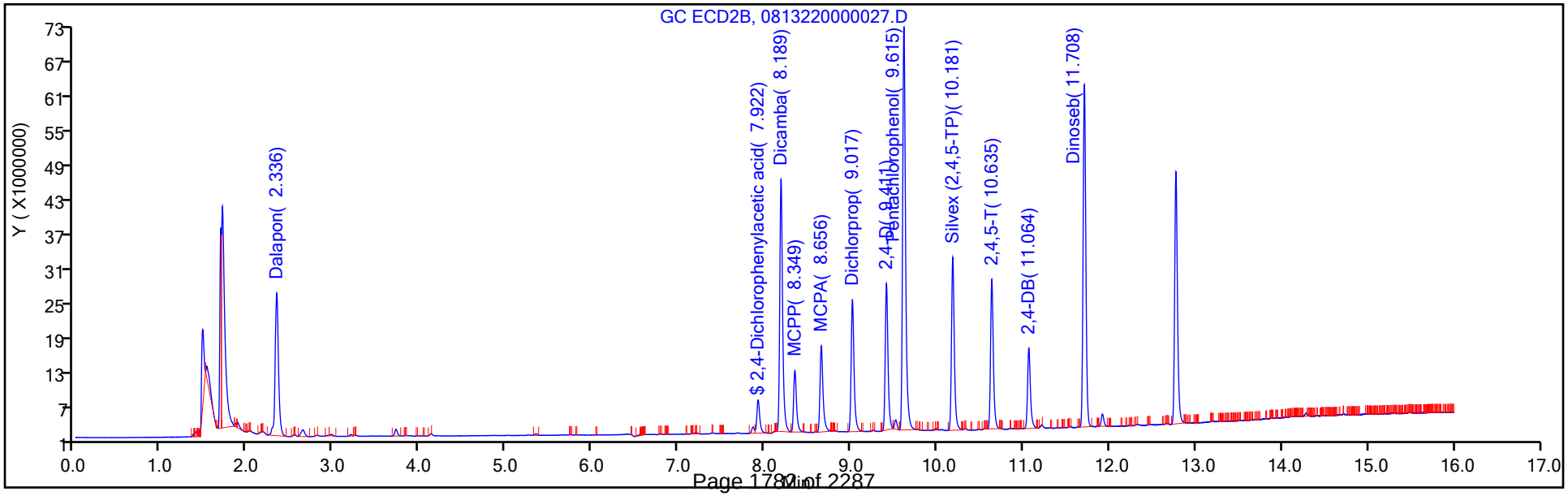
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 23

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

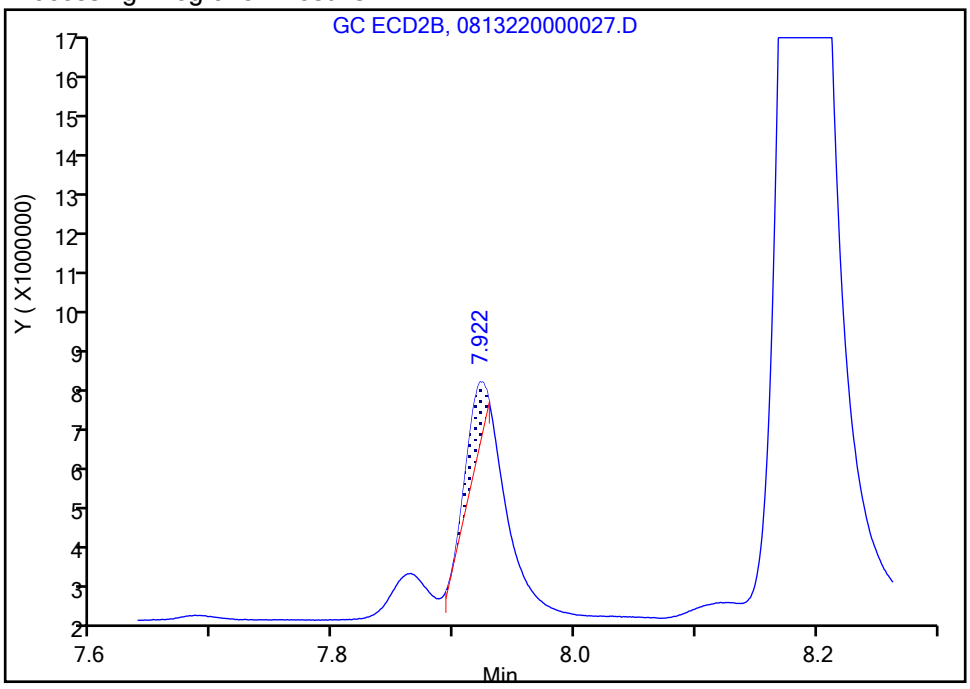
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000027.D
Injection Date: 13-Aug-2022 15:17:26 Instrument ID: CGC1
Lims ID: CCV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

$ 2 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

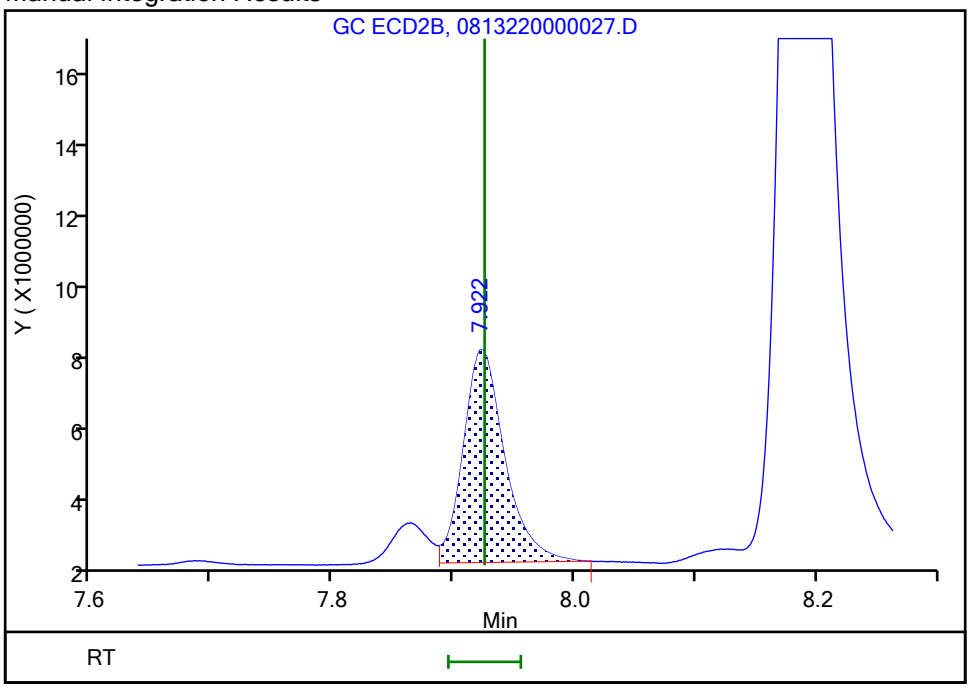
Processing Integration Results

RT: 7.92
Height: 1457235
Amount: 0.005153
Amount Units: ng



Manual Integration Results

RT: 7.92
Height: 5687769
Amount: 0.020114
Amount Units: ng



Reviewer: Q9YL, 15-Aug-2022 06:24:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/34 Calibration Date: 08/13/2022 18:52

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		337038825		0.0925	0.0800	15.6*	15.0
MCPP	Ave	825155	1049928		10.2	8.00	27.2*	15.0
Dicamba	Ave	894385019	1063447750		0.0476	0.0400	18.9*	15.0
MCPA	Lin1		1526859		10.3	8.00	28.6*	15.0
Dichlorprop	Ave	247405641	275069950		0.0889	0.0800	11.2	15.0
2,4-D	Ave	290156540	312556913		0.0862	0.0800	7.7	15.0
Pentachlorophenol	Ave	2714578681	3093962000		0.0228	0.0200	14.0	15.0
Silvex (2,4,5-TP)	Ave	1244583254	1334145950		0.0214	0.0200	7.2	15.0
2,4,5-T	Ave	1169195499	1222292750		0.0209	0.0200	4.5	15.0
Dinoseb	Ave	752391408	780464575		0.0830	0.0800	3.7	15.0
2,4-DB	Ave	156305524	162507600		0.0832	0.0800	4.0	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	313262886	358646313		0.0183	0.0160	14.5	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/34 Calibration Date: 08/13/2022 18:52

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000038.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.14	2.12	2.18
MCPP	8.14	8.11	8.17
Dicamba	8.22	8.19	8.25
MCPA	8.56	8.53	8.59
Dichlorprop	8.83	8.81	8.87
2,4-D	9.32	9.30	9.36
Pentachlorophenol	9.85	9.82	9.88
Silvex (2,4,5-TP)	10.00	9.98	10.04
2,4,5-T	10.55	10.53	10.59
Dinoseb	10.80	10.76	10.86
2,4-DB	10.93	10.91	10.97
2,4-Dichlorophenylacetic acid (Surr)	7.92	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000038.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 13-Aug-2022 18:52:57 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-034
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:07:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.142	2.146	-0.004	26963106H	0.0800	0.0925	
2	2.336	2.338	-0.002	25495136H	0.0800	0.0826	
						RPD = 11.33	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.921	7.925	-0.004	5738341H	0.0160	0.0183	
2	7.921	7.925	-0.004	5125899H	0.0160	0.0181	
						RPD = 1.05	
3 MCPP							M
1	8.136	8.140	-0.004	8399424H	8.00	10.2	
2	8.349	8.350	-0.001	9928398H	8.00	7.84	M
						RPD = 25.99	
4 Dicamba							
1	8.216	8.218	-0.002	42537910H	0.0400	0.0476	
2	8.187	8.190	-0.003	41468191H	0.0400	0.0470	
						RPD = 1.24	
5 MCPA							
1	8.555	8.558	-0.003	12214872H	8.00	10.3	
2	8.654	8.657	-0.003	14230310H	8.00	7.99	
						RPD = 25.24	
6 Dichlorprop							
1	8.833	8.836	-0.003	22005596H	0.0800	0.0889	
2	9.015	9.019	-0.004	21788542H	0.0800	0.0875	
						RPD = 1.68	
7 2,4-D							
1	9.323	9.326	-0.003	25004553H	0.0800	0.0862	
2	9.411	9.414	-0.003	24601619H	0.0800	0.0854	
						RPD = 0.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.848	9.852	-0.004	61879240H	0.0200	0.0228	
2	9.614	9.615	-0.001	65773167H	0.0200	0.0228	
						RPD = 0.09	
9 Silvex (2,4,5-TP)							
1	10.004	10.007	-0.003	26682919H	0.0200	0.0214	
2	10.181	10.184	-0.003	28691167H	0.0200	0.0218	
						RPD = 1.77	
10 2,4,5-T							
1	10.550	10.555	-0.005	24445855H	0.0200	0.0209	
2	10.633	10.636	-0.003	25168281H	0.0200	0.0212	
						RPD = 1.18	
11 Dinoseb							
1	10.804	10.808	-0.004	62437166H	0.0800	0.0830	
2	11.708	11.711	-0.003	60361581H	0.0800	0.0857	
						RPD = 3.24	
12 2,4-DB							
1	10.933	10.936	-0.003	13000608H	0.0800	0.0832	
2	11.063	11.066	-0.003	13365143H	0.0800	0.0841	
						RPD = 1.10	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

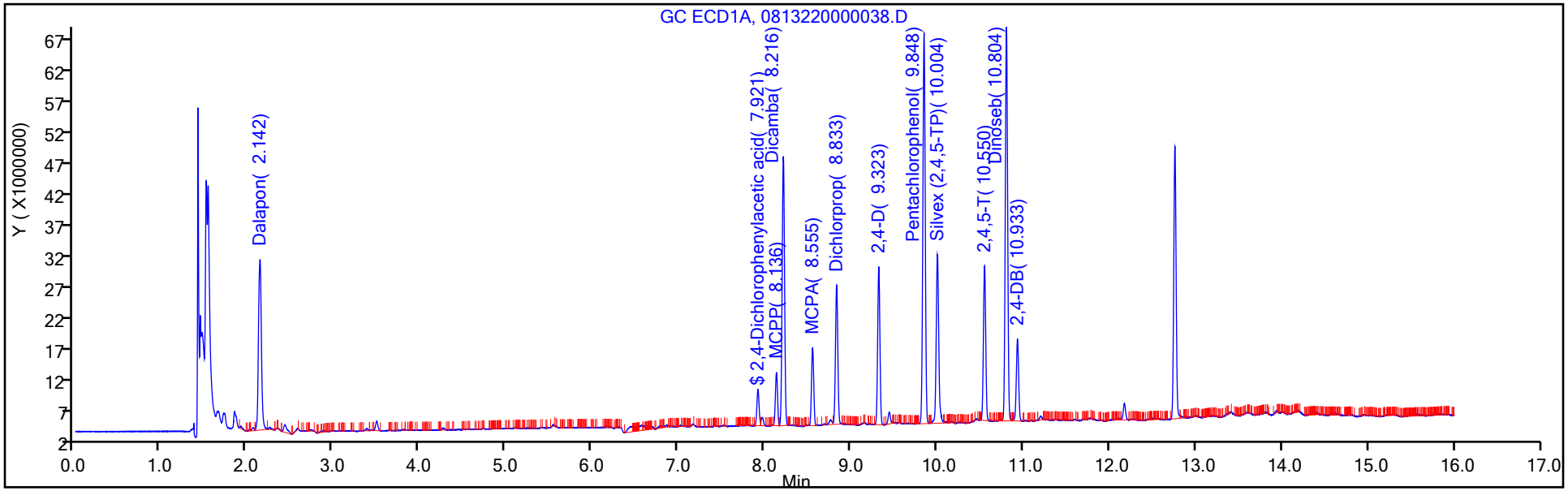
Report Date: 15-Aug-2022 06:12:10 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

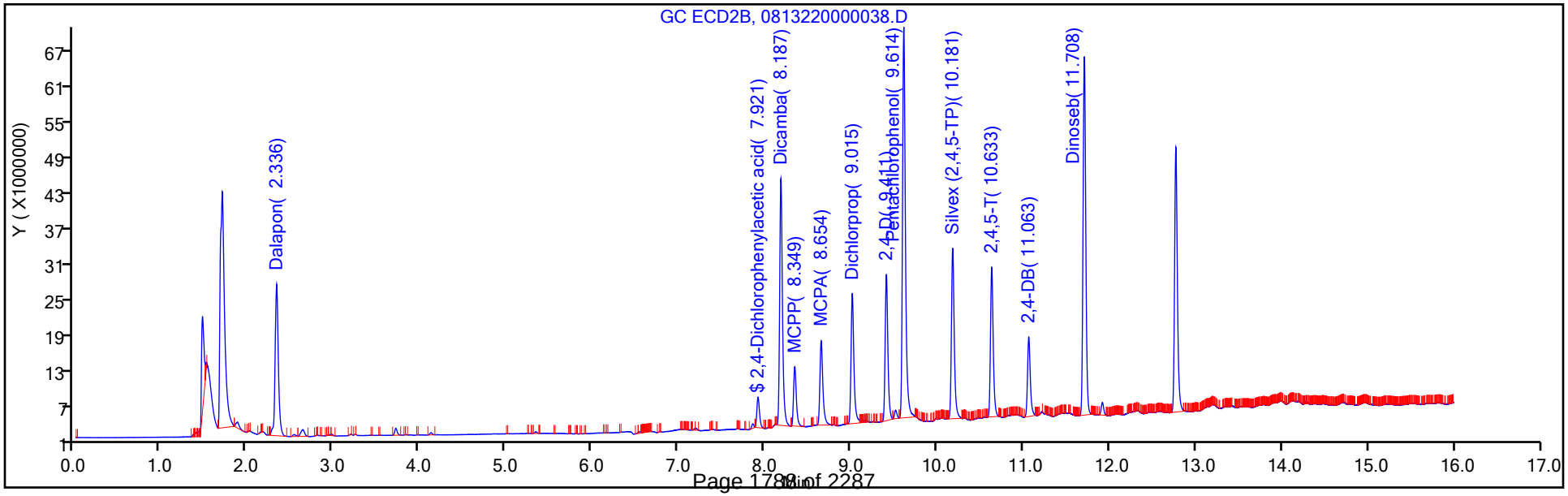
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000038.D

Injection Date:	13-Aug-2022 18:52:57	Instrument ID:	CGC1	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/34 Calibration Date: 08/13/2022 18:52

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	308714788	318689200		0.0826	0.0800	3.2	15.0
Dicamba	Ave	882754641	1036704775		0.0470	0.0400	17.4*	15.0
MCPP	Ave	1266760	1241050		7.84	8.00	-2.0	15.0
MCPA	Ave	1781985	1778789		7.99	8.00	-0.2	15.0
Dichlorprop	Ave	249118678	272356775		0.0875	0.0800	9.3	15.0
2,4-D	Ave	288022985	307520238		0.0854	0.0800	6.8	15.0
Pentachlorophenol	Ave	2882668348	3288658350		0.0228	0.0200	14.1	15.0
Silvex (2,4,5-TP)	Ave	1314796182	1434558350		0.0218	0.0200	9.1	15.0
2,4,5-T	Ave	1189655720	1258414050		0.0212	0.0200	5.8	15.0
2,4-DB	Ave	158926422	167064288		0.0841	0.0800	5.1	15.0
Dinoseb	Ave	704209754	754519763		0.0857	0.0800	7.1	15.0
2,4-Dichlorophenylacetic acid (Surr)	Ave	282778651	320368688		0.0181	0.0160	13.3	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Lab Sample ID: CCV 180-408559/34 Calibration Date: 08/13/2022 18:52

Instrument ID: CGC1 Calib Start Date: 06/21/2022 06:42

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 06/21/2022 08:40

Lab File ID: 0813220000038.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.34	2.31	2.37
Dicamba	8.19	8.16	8.22
MCPP	8.35	8.32	8.38
MCPA	8.65	8.63	8.69
Dichlorprop	9.02	8.99	9.05
2,4-D	9.41	9.38	9.44
Pentachlorophenol	9.61	9.59	9.65
Silvex (2,4,5-TP)	10.18	10.15	10.21
2,4,5-T	10.63	10.61	10.67
2,4-DB	11.06	11.04	11.10
Dinoseb	11.71	11.68	11.74
2,4-Dichlorophenylacetic acid (Surr)	7.92	7.90	7.96

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000038.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 13-Aug-2022 18:52:57 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0044216-034
Operator ID: Instrument ID: CGC1
Sublist: chrom-Herbicides_CGC1*sub1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:07:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.142	2.146	-0.004	26963106H	0.0800	0.0925	
2	2.336	2.338	-0.002	25495136H	0.0800	0.0826	
						RPD = 11.33	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.921	7.925	-0.004	5738341H	0.0160	0.0183	
2	7.921	7.925	-0.004	5125899H	0.0160	0.0181	
						RPD = 1.05	
3 MCPP							M
1	8.136	8.140	-0.004	8399424H	8.00	10.2	
2	8.349	8.350	-0.001	9928398H	8.00	7.84	M
						RPD = 25.99	
4 Dicamba							
1	8.216	8.218	-0.002	42537910H	0.0400	0.0476	
2	8.187	8.190	-0.003	41468191H	0.0400	0.0470	
						RPD = 1.24	
5 MCPA							
1	8.555	8.558	-0.003	12214872H	8.00	10.3	
2	8.654	8.657	-0.003	14230310H	8.00	7.99	
						RPD = 25.24	
6 Dichlorprop							
1	8.833	8.836	-0.003	22005596H	0.0800	0.0889	
2	9.015	9.019	-0.004	21788542H	0.0800	0.0875	
						RPD = 1.68	
7 2,4-D							
1	9.323	9.326	-0.003	25004553H	0.0800	0.0862	
2	9.411	9.414	-0.003	24601619H	0.0800	0.0854	
						RPD = 0.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.848	9.852	-0.004	61879240H	0.0200	0.0228	
2	9.614	9.615	-0.001	65773167H	0.0200	0.0228	
						RPD = 0.09	
9 Silvex (2,4,5-TP)							
1	10.004	10.007	-0.003	26682919H	0.0200	0.0214	
2	10.181	10.184	-0.003	28691167H	0.0200	0.0218	
						RPD = 1.77	
10 2,4,5-T							
1	10.550	10.555	-0.005	24445855H	0.0200	0.0209	
2	10.633	10.636	-0.003	25168281H	0.0200	0.0212	
						RPD = 1.18	
11 Dinoseb							
1	10.804	10.808	-0.004	62437166H	0.0800	0.0830	
2	11.708	11.711	-0.003	60361581H	0.0800	0.0857	
						RPD = 3.24	
12 2,4-DB							
1	10.933	10.936	-0.003	13000608H	0.0800	0.0832	
2	11.063	11.066	-0.003	13365143H	0.0800	0.0841	
						RPD = 1.10	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCHERBCALSL3_00041 Amount Added: 1.00 Units: mL

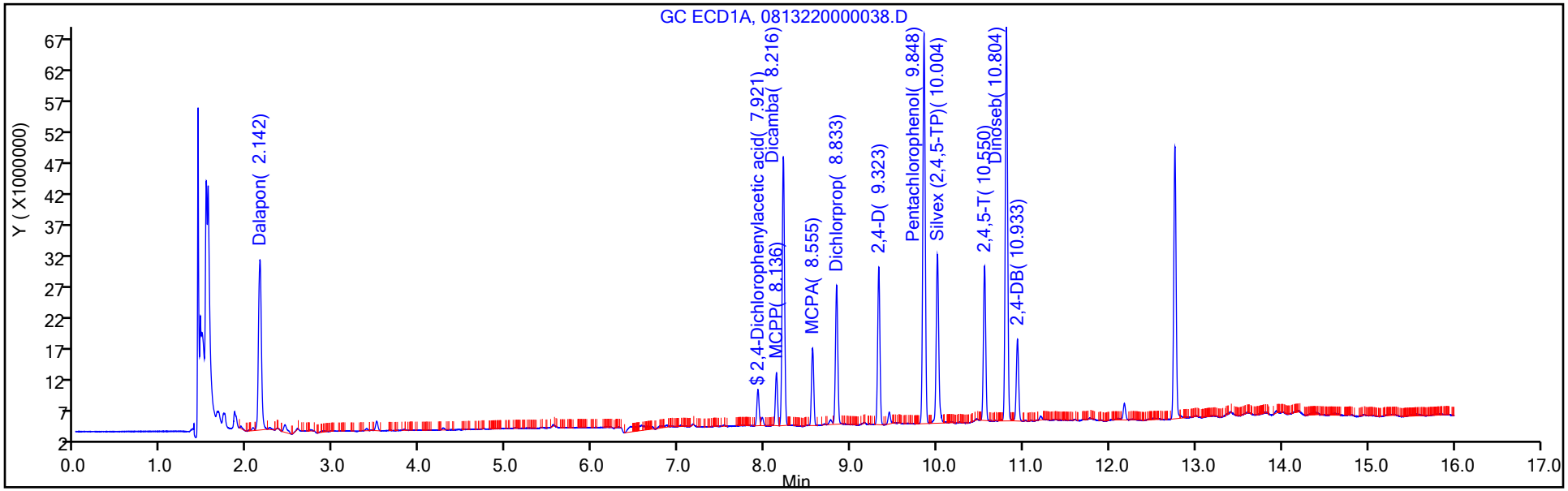
Report Date: 15-Aug-2022 06:12:11 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

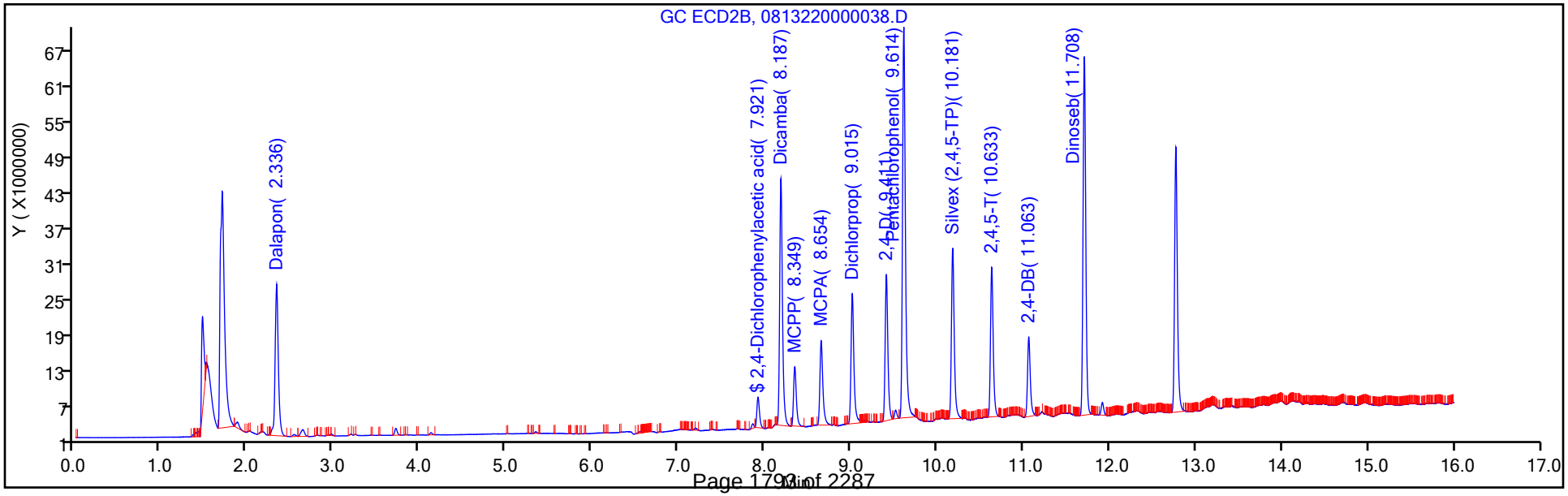
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000038.D

Injection Date:	13-Aug-2022 18:52:57	Instrument ID:	CGC1	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Pittsburgh

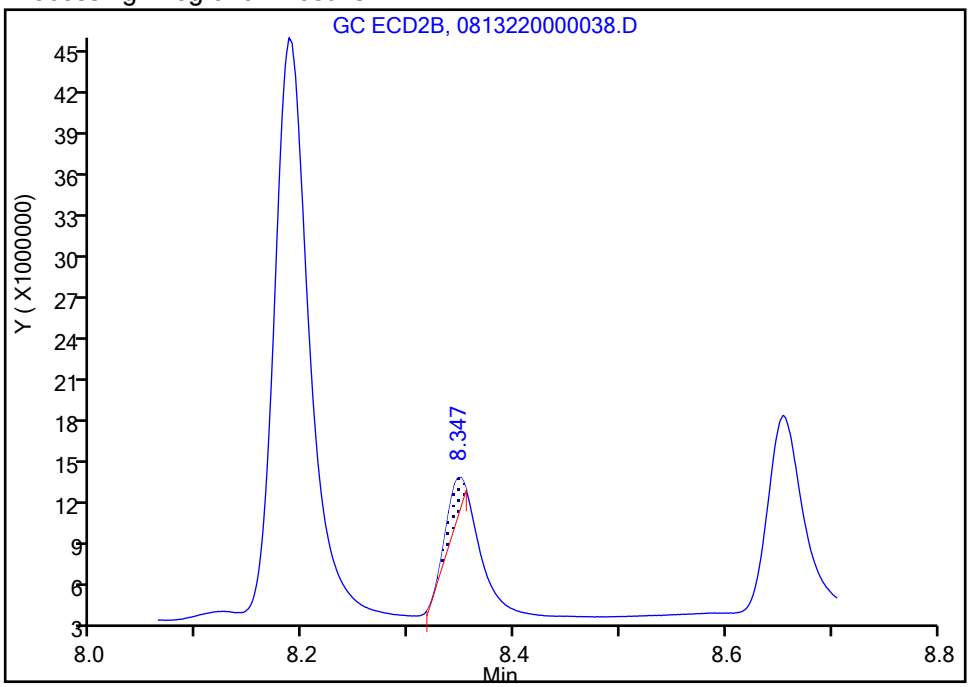
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000038.D
Injection Date: 13-Aug-2022 18:52:57 Instrument ID: CGC1
Lims ID: CCV
Client ID:
Operator ID: ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL
Column: RTX-1701 (0.53 mm) Detector GC ECD2B

3 MCPP, CAS: 93-65-2

Signal: 2

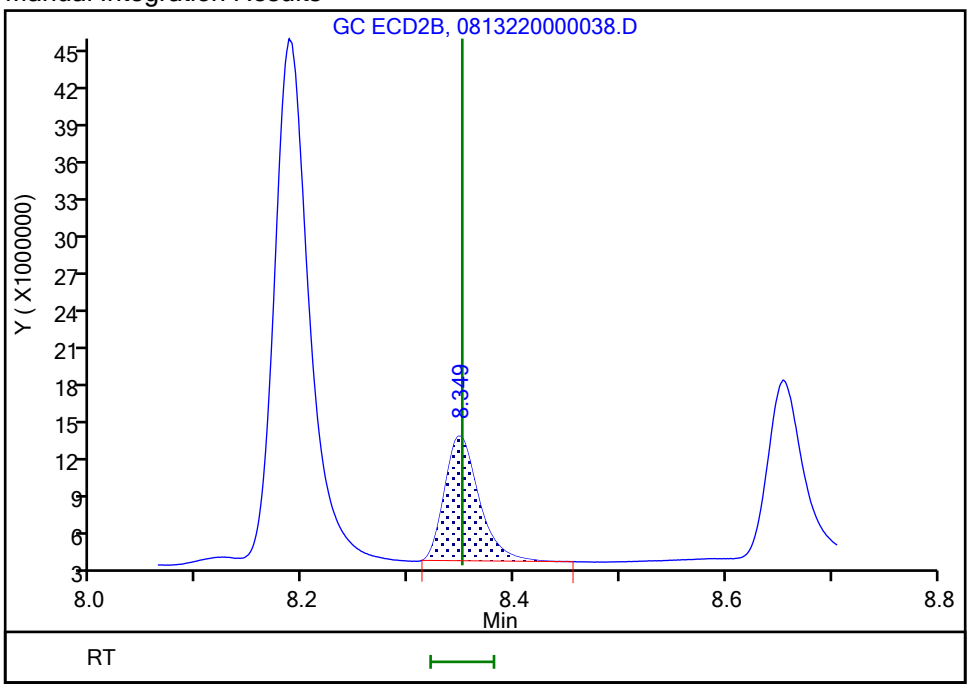
Processing Integration Results

RT: 8.35
Height: 2588492
Amount: 2.043396
Amount Units: ng



Manual Integration Results

RT: 8.35
Height: 9928398
Amount: 7.837631
Amount Units: ng



Reviewer: Q9YL, 15-Aug-2022 06:07:37
Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-408322/1-A

Matrix: Solid Lab File ID: 0813220000028.D

Analysis Method: EPA 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 15:37

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-50 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.040	0.020
93-72-1	Silvex (2,4,5-TP)	ND		0.010	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	88		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D
Lims ID: MB 180-408322/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-Aug-2022 15:37:05 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-024
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:05:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1		2.146				ND	
2		2.338					
$ 2 2,4-Dichlorophenylacetic acid							
1	7.922	7.925	-0.003	13789980H	0.0500	0.0440	
2	7.925	7.925	0.000	13340913H	0.0500	0.0472	
						RPD = 6.92	
3 MCPP							
1		8.140				ND	
2		8.350					
4 Dicamba							7
1		8.218				ND	
2		8.190					
5 MCPA							7
1		8.558				ND	
2		8.657					
6 Dichlorprop							7
1		8.836				ND	
2		9.019					
7 2,4-D							7
1		9.326				ND	
2		9.414					
8 Pentachlorophenol							7
1		9.852				ND	
2		9.615					
9 Silvex (2,4,5-TP)							7
1		10.007				ND	
2		10.184					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10	2,4,5-T						7
1		10.555				ND	
2		10.636					
11	Dinoseb						U
1		10.808				ND	
2		11.711					
12	2,4-DB						7
1		10.936				ND	
2		11.066					

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- H - Response Measured by Height

Review Flags
- U - Marked Undetected

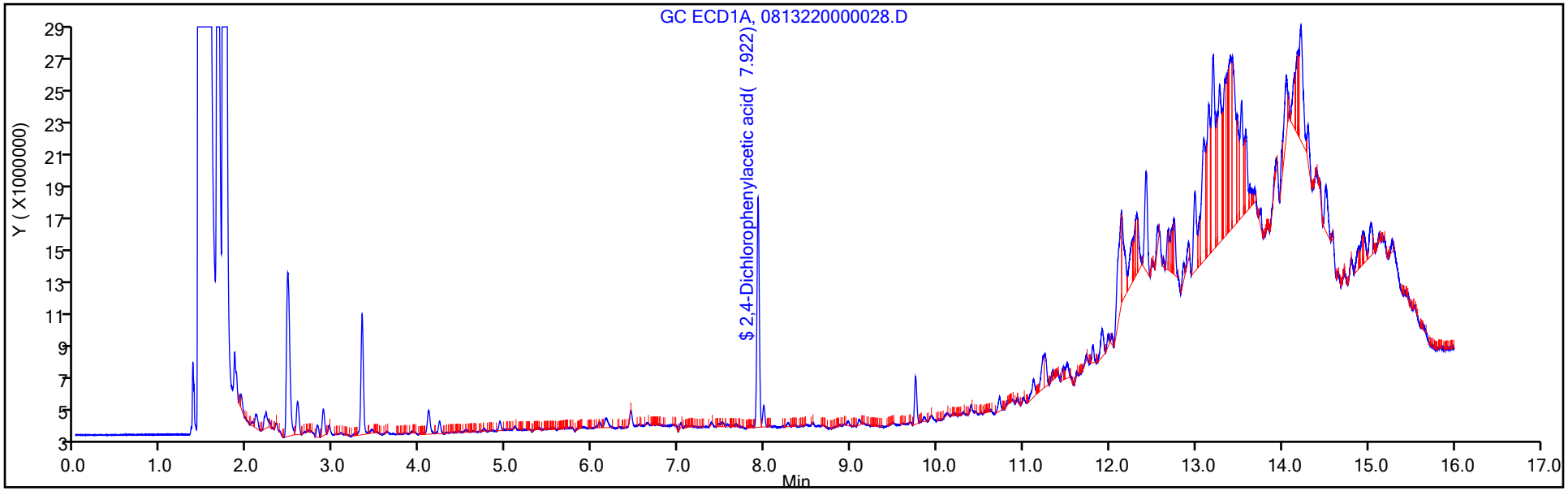
Report Date: 15-Aug-2022 06:12:32 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

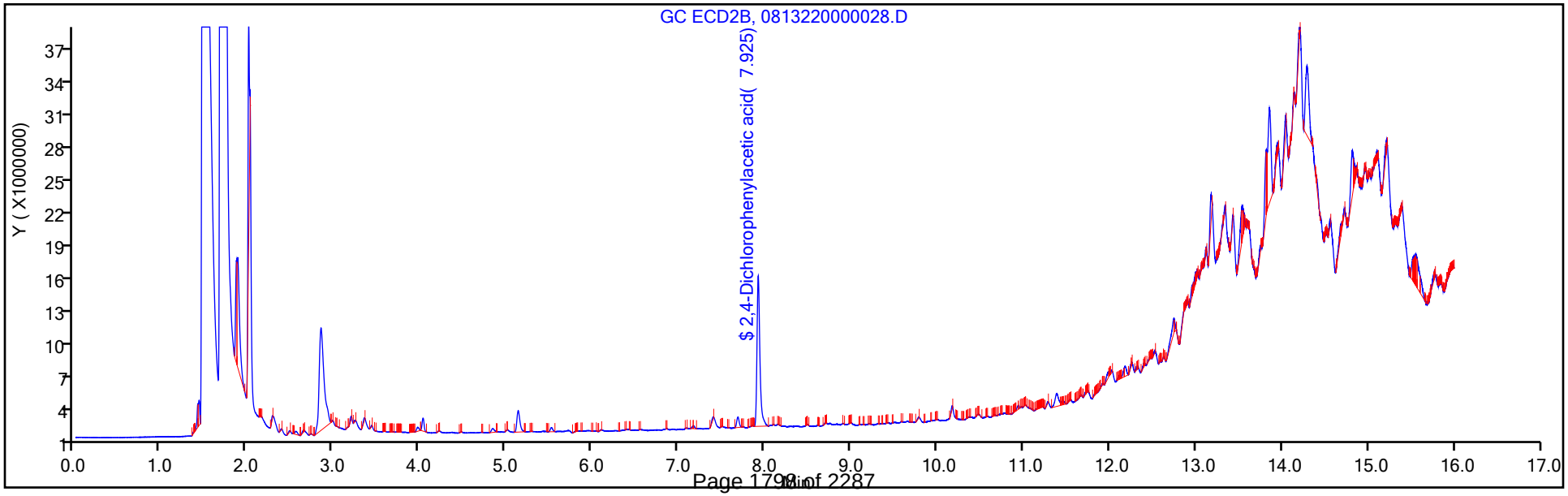
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D

Injection Date:	13-Aug-2022 15:37:05	Instrument ID:	CGC1	Operator ID:	
Lims ID:	MB 180-408322/1-A			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	24
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D
Lims ID: MB 180-408322/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-Aug-2022 15:37:05 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-024
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:05:25

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0440	88.04

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0472	94.36

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-408322/1-A

Matrix: Solid Lab File ID: 0813220000028.D

Analysis Method: EPA 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 15:37

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	94		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D
Lims ID: MB 180-408322/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-Aug-2022 15:37:05 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-024
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:05:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1		2.146				ND	
2		2.338					
$ 2 2,4-Dichlorophenylacetic acid							
1	7.922	7.925	-0.003	13789980H	0.0500	0.0440	
2	7.925	7.925	0.000	13340913H	0.0500	0.0472	
						RPD = 6.92	
3 MCPP							
1		8.140				ND	
2		8.350					
4 Dicamba							7
1		8.218				ND	
2		8.190					
5 MCPA							7
1		8.558				ND	
2		8.657					
6 Dichlorprop							7
1		8.836				ND	
2		9.019					
7 2,4-D							7
1		9.326				ND	
2		9.414					
8 Pentachlorophenol							7
1		9.852				ND	
2		9.615					
9 Silvex (2,4,5-TP)							7
1		10.007				ND	
2		10.184					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10	2,4,5-T						7
1		10.555				ND	
2		10.636					
11	Dinoseb						U
1		10.808				ND	
2		11.711					
12	2,4-DB						7
1		10.936				ND	
2		11.066					

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- H - Response Measured by Height

Review Flags
- U - Marked Undetected

Report Date: 15-Aug-2022 06:12:33 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D

Injection Date: 13-Aug-2022 15:37:05 Instrument ID: CGC1 Operator ID:

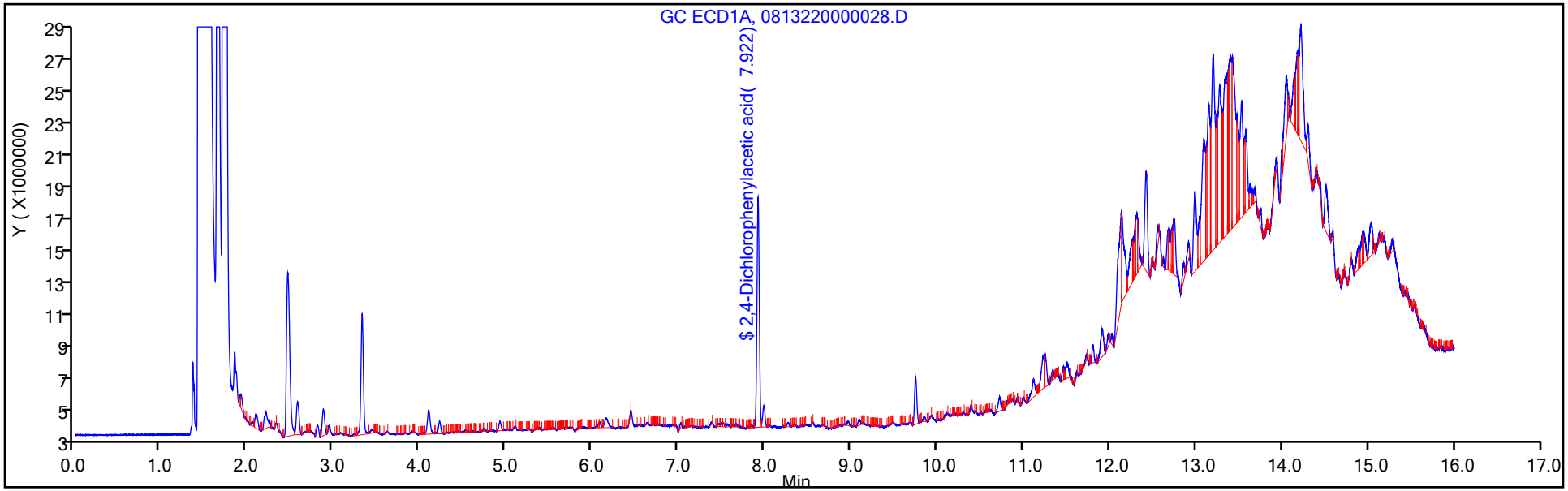
Lims ID: MB 180-408322/1-A Worklist Smp#: 24

Client ID:

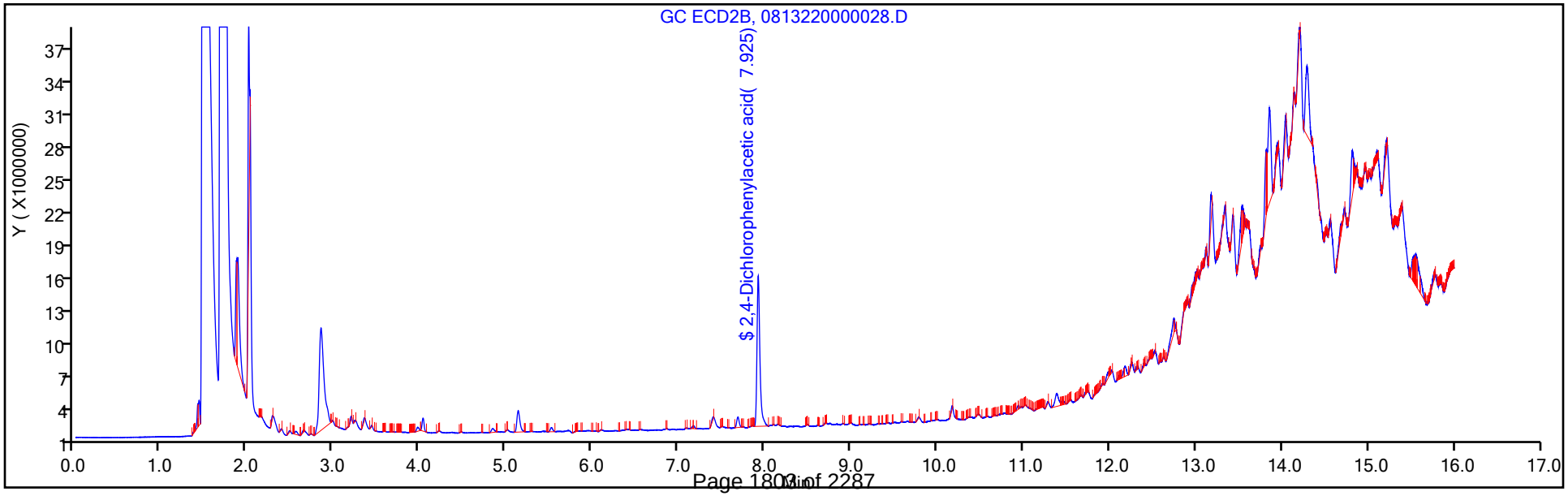
Injection Vol: 1.0 ul Dil. Factor: 20.0000 ALS Bottle#: 24

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000028.D
Lims ID: MB 180-408322/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-Aug-2022 15:37:05 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-024
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:05:25

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0440	88.04

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0472	94.36

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 180-408025/1-E

Matrix: Solid (TCLP) | Lab File ID: 0813220000035.D

Analysis Method: EPA 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) | Date Analyzed: 08/13/2022 17:54

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-50 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.040	0.020
93-72-1	Silvex (2,4,5-TP)	ND		0.010	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	85		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D
Lims ID: LB 180-408025/1-E
Client ID:
Sample Type: LB
Inject. Date: 13-Aug-2022 17:54:12 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-031
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:07:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1		2.146				ND	
2		2.338					
$ 2 2,4-Dichlorophenylacetic acid							
1	7.919	7.925	-0.006	13240085H	0.0500	0.0423	
2	7.921	7.925	-0.004	12675203H	0.0500	0.0448	
						RPD = 5.88	
3 MCPP							7
1		8.140				ND	
2		8.350					
4 Dicamba							7
1		8.218				ND	
2		8.190					
5 MCPA							7
1		8.558				ND	
2		8.657					
6 Dichlorprop							7
1		8.836				ND	
2		9.019					
7 2,4-D							7
1		9.326				ND	
2		9.414					
8 Pentachlorophenol							7
1		9.852				ND	
2		9.615					
9 Silvex (2,4,5-TP)							7
1		10.007				ND	
2		10.184					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10	2,4,5-T						7
1		10.555				ND	
2		10.636					
11	Dinoseb						U
1		10.808				ND	
2		11.711					
12	2,4-DB						7
1		10.936				ND	
2		11.066					

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- H - Response Measured by Height

Review Flags
- U - Marked Undetected

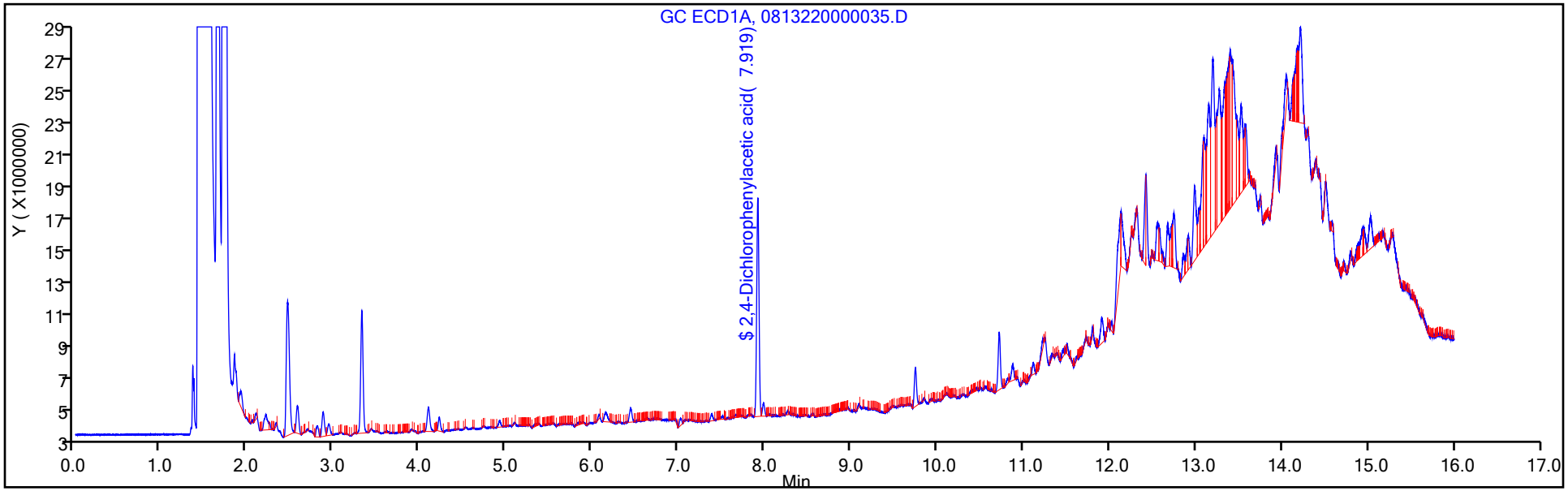
Report Date: 15-Aug-2022 06:12:16 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

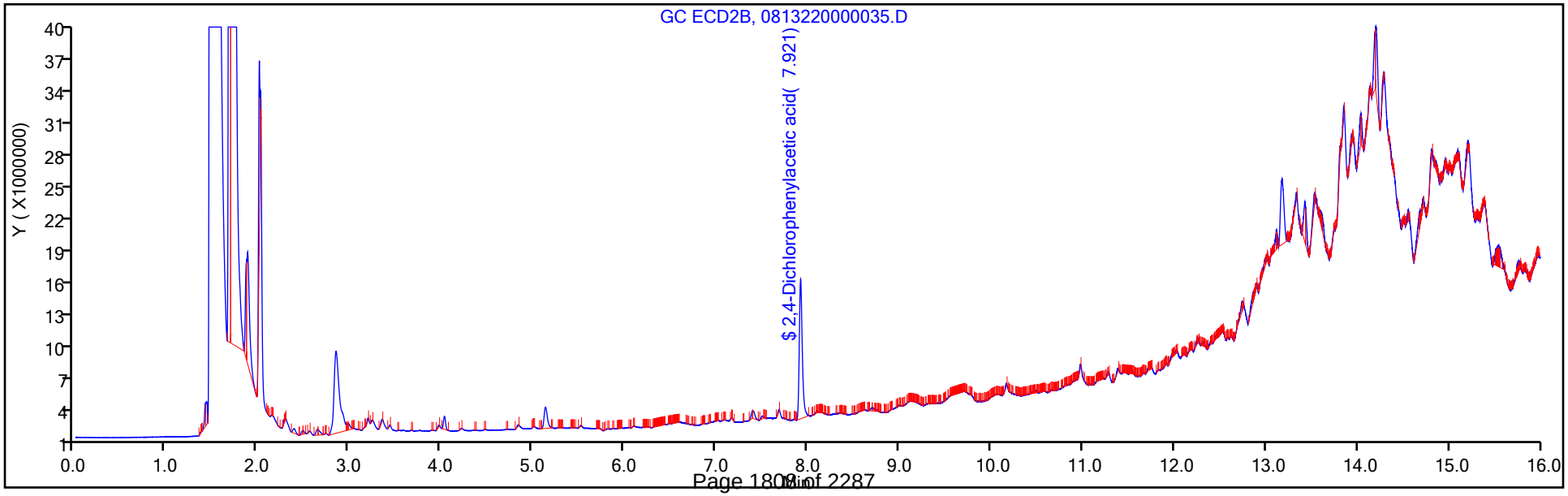
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D

Injection Date:	13-Aug-2022 17:54:12	Instrument ID:	CGC1	Operator ID:	
Lims ID:	LB 180-408025/1-E			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	31
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D				
Lims ID:	LB 180-408025/1-E				
Client ID:					
Sample Type:	LB				
Inject. Date:	13-Aug-2022 17:54:12	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-031				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:07:06		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0423	84.53

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0448	89.65

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 180-408025/1-E

Matrix: Solid (TCLP) Lab File ID: 0813220000035.D

Analysis Method: EPA 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 17:54

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	90		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D
Lims ID: LB 180-408025/1-E
Client ID:
Sample Type: LB
Inject. Date: 13-Aug-2022 17:54:12 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-031
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:07:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1		2.146				ND	
2		2.338					
$ 2 2,4-Dichlorophenylacetic acid							
1	7.919	7.925	-0.006	13240085H	0.0500	0.0423	
2	7.921	7.925	-0.004	12675203H	0.0500	0.0448	
						RPD = 5.88	
3 MCPP							7
1		8.140				ND	
2		8.350					
4 Dicamba							7
1		8.218				ND	
2		8.190					
5 MCPA							7
1		8.558				ND	
2		8.657					
6 Dichlorprop							7
1		8.836				ND	
2		9.019					
7 2,4-D							7
1		9.326				ND	
2		9.414					
8 Pentachlorophenol							7
1		9.852				ND	
2		9.615					
9 Silvex (2,4,5-TP)							7
1		10.007				ND	
2		10.184					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10	2,4,5-T						7
1		10.555				ND	
2		10.636					
11	Dinoseb						U
1		10.808				ND	
2		11.711					
12	2,4-DB						7
1		10.936				ND	
2		11.066					

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- H - Response Measured by Height

Review Flags
- U - Marked Undetected

Report Date: 15-Aug-2022 06:12:17 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D

Injection Date: 13-Aug-2022 17:54:12 Instrument ID: CGC1 Operator ID:

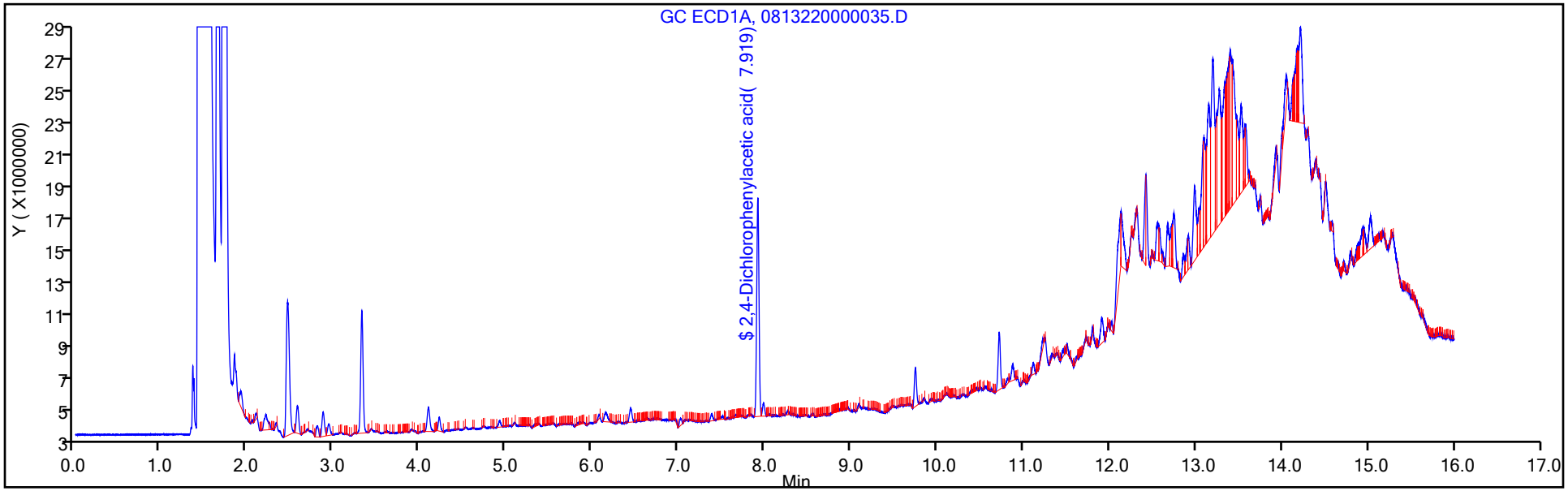
Lims ID: LB 180-408025/1-E Worklist Smp#: 31

Client ID:

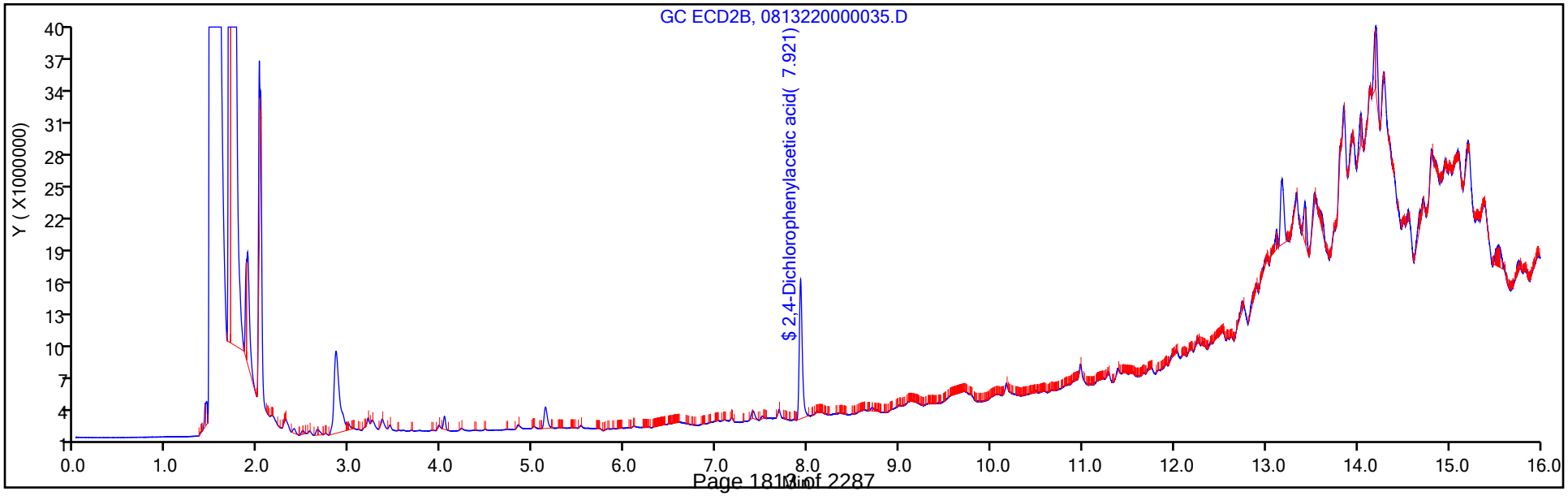
Injection Vol: 1.0 ul Dil. Factor: 20.0000 ALS Bottle#: 31

Method: Herbicides_CGC1 Limit Group: GCS 8151A ICAL

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000035.D
Lims ID: LB 180-408025/1-E
Client ID:
Sample Type: LB
Inject. Date: 13-Aug-2022 17:54:12 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-031
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:07:06

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0423	84.53

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0448	89.65

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-408322/2-A

Matrix: Solid Lab File ID: 0813220000033.D

Analysis Method: EPA 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 17:15

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-50 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	99		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D
Lims ID: LCS 180-408322/2-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Aug-2022 17:15:00 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-029
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.137	2.146	-0.009	22000488H	0.1000	0.0736	
2	2.335	2.338	-0.003	22834485H	0.1000	0.0740	
						RPD = 0.45	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.921	7.925	-0.004	15461244H	0.0500	0.0494	
2	7.922	7.925	-0.003	14893587H	0.0500	0.0527	
						RPD = 6.49	
3 MCPP							
1	8.136	8.140	-0.004	9818009H	10.0	11.9	
2	8.348	8.350	-0.002	11742711H	10.0	9.27	
						RPD = 24.83	
4 Dicamba							
1	8.215	8.218	-0.003	50204752H	0.0500	0.0561	
2	8.187	8.190	-0.003	50055645H	0.0500	0.0567	
						RPD = 1.01	
5 MCPA							
1	8.556	8.558	-0.002	14025518H	10.0	12.0	
2	8.656	8.657	-0.001	16134559H	10.0	9.05	
						RPD = 27.66	
6 Dichlorprop							
1	8.834	8.836	-0.002	25217408H	0.1000	0.1019	
2	9.016	9.019	-0.003	26017555H	0.1000	0.1044	
						RPD = 2.43	
7 2,4-D							
1	9.323	9.326	-0.003	28388204H	0.1000	0.0978	
2	9.411	9.414	-0.003	29026827H	0.1000	0.1008	
						RPD = 2.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.849	9.852	-0.003	73209932H	0.0250	0.0270	
2	9.614	9.615	-0.001	79019819H	0.0250	0.0274	
						RPD = 1.63	
9 Silvex (2,4,5-TP)							
1	10.003	10.007	-0.004	31166850H	0.0250	0.0250	
2	10.181	10.184	-0.003	34962872H	0.0250	0.0266	
						RPD = 6.00	
10 2,4,5-T							M
1	10.550	10.555	-0.005	28836121H	0.0250	0.0247	
2	10.635	10.636	-0.001	30741926H	0.0250	0.0258	M
						RPD = 4.66	
11 Dinoseb							
1	10.804	10.808	-0.004	74190870H	0.1000	0.0986	
2	11.709	11.711	-0.002	72880567H	0.1000	0.1035	
						RPD = 4.84	
12 2,4-DB							
1	10.932	10.936	-0.004	15006182H	0.1000	0.0960	
2	11.064	11.066	-0.002	15475631H	0.1000	0.0974	
						RPD = 1.42	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

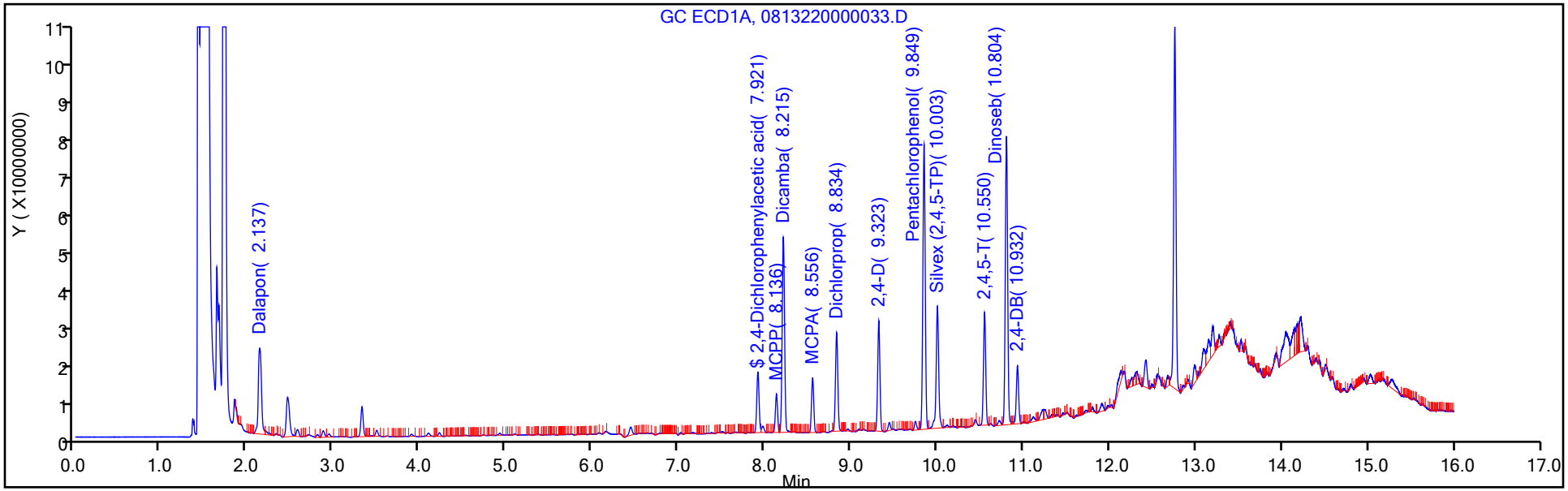
Report Date: 15-Aug-2022 06:12:20 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

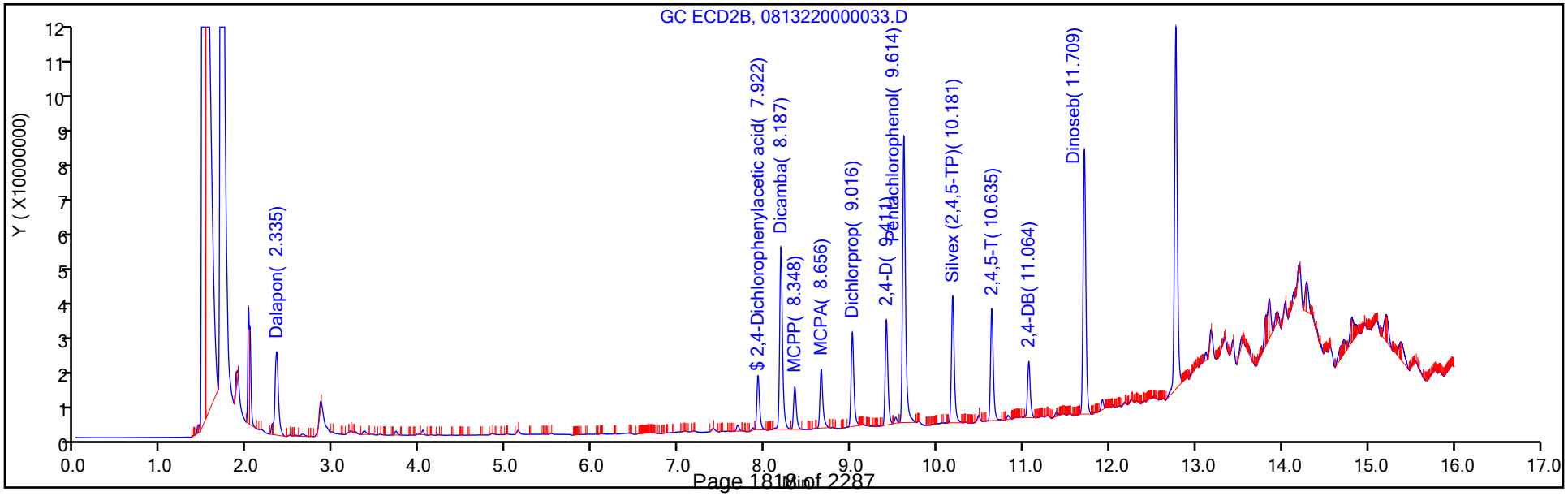
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D

Injection Date:	13-Aug-2022 17:15:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	LCS 180-408322/2-A			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	29
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D				
Lims ID:	LCS 180-408322/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	13-Aug-2022 17:15:00	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-029				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:45		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0494	98.71

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0527	105.34

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-408322/2-A

Matrix: Solid | Lab File ID: 0813220000033.D

Analysis Method: EPA 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) | Date Analyzed: 08/13/2022 17:15

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.202		0.040	0.020
93-72-1	Silvex (2,4,5-TP)	0.0532		0.010	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	105		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D
Lims ID: LCS 180-408322/2-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Aug-2022 17:15:00 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-029
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.137	2.146	-0.009	22000488H	0.1000	0.0736	
2	2.335	2.338	-0.003	22834485H	0.1000	0.0740	
						RPD = 0.45	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.921	7.925	-0.004	15461244H	0.0500	0.0494	
2	7.922	7.925	-0.003	14893587H	0.0500	0.0527	
						RPD = 6.49	
3 MCPP							
1	8.136	8.140	-0.004	9818009H	10.0	11.9	
2	8.348	8.350	-0.002	11742711H	10.0	9.27	
						RPD = 24.83	
4 Dicamba							
1	8.215	8.218	-0.003	50204752H	0.0500	0.0561	
2	8.187	8.190	-0.003	50055645H	0.0500	0.0567	
						RPD = 1.01	
5 MCPA							
1	8.556	8.558	-0.002	14025518H	10.0	12.0	
2	8.656	8.657	-0.001	16134559H	10.0	9.05	
						RPD = 27.66	
6 Dichlorprop							
1	8.834	8.836	-0.002	25217408H	0.1000	0.1019	
2	9.016	9.019	-0.003	26017555H	0.1000	0.1044	
						RPD = 2.43	
7 2,4-D							
1	9.323	9.326	-0.003	28388204H	0.1000	0.0978	
2	9.411	9.414	-0.003	29026827H	0.1000	0.1008	
						RPD = 2.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.849	9.852	-0.003	73209932H	0.0250	0.0270	
2	9.614	9.615	-0.001	79019819H	0.0250	0.0274	
						RPD = 1.63	
9 Silvex (2,4,5-TP)							
1	10.003	10.007	-0.004	31166850H	0.0250	0.0250	
2	10.181	10.184	-0.003	34962872H	0.0250	0.0266	
						RPD = 6.00	
10 2,4,5-T							M
1	10.550	10.555	-0.005	28836121H	0.0250	0.0247	
2	10.635	10.636	-0.001	30741926H	0.0250	0.0258	M
						RPD = 4.66	
11 Dinoseb							
1	10.804	10.808	-0.004	74190870H	0.1000	0.0986	
2	11.709	11.711	-0.002	72880567H	0.1000	0.1035	
						RPD = 4.84	
12 2,4-DB							
1	10.932	10.936	-0.004	15006182H	0.1000	0.0960	
2	11.064	11.066	-0.002	15475631H	0.1000	0.0974	
						RPD = 1.42	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

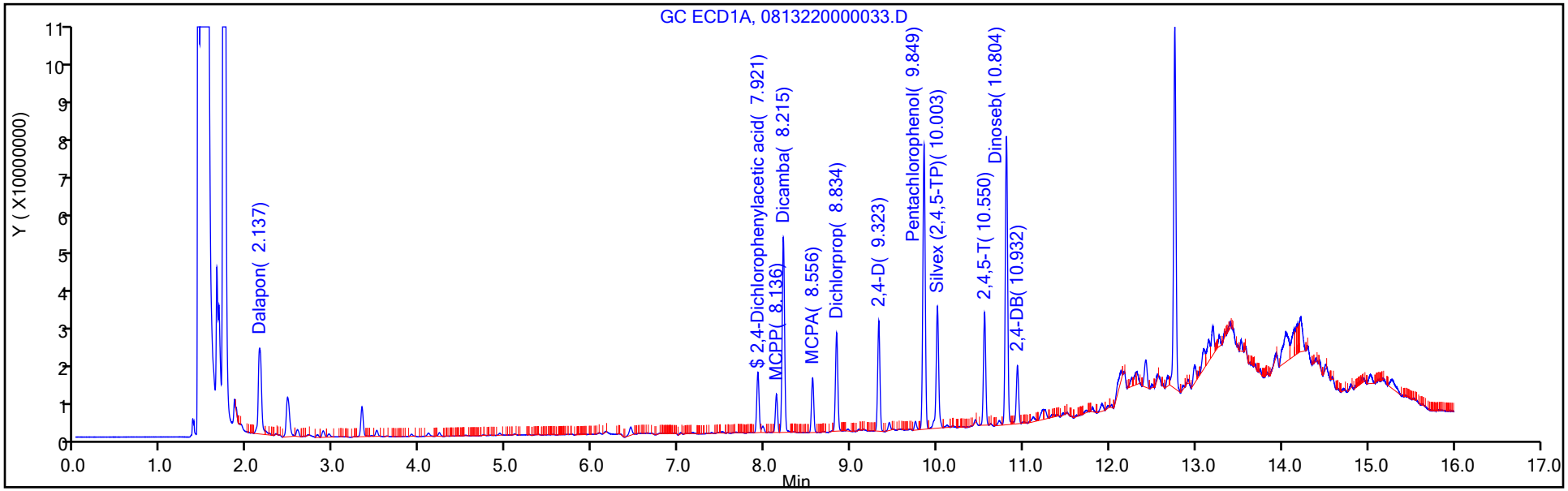
Report Date: 15-Aug-2022 06:12:21 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

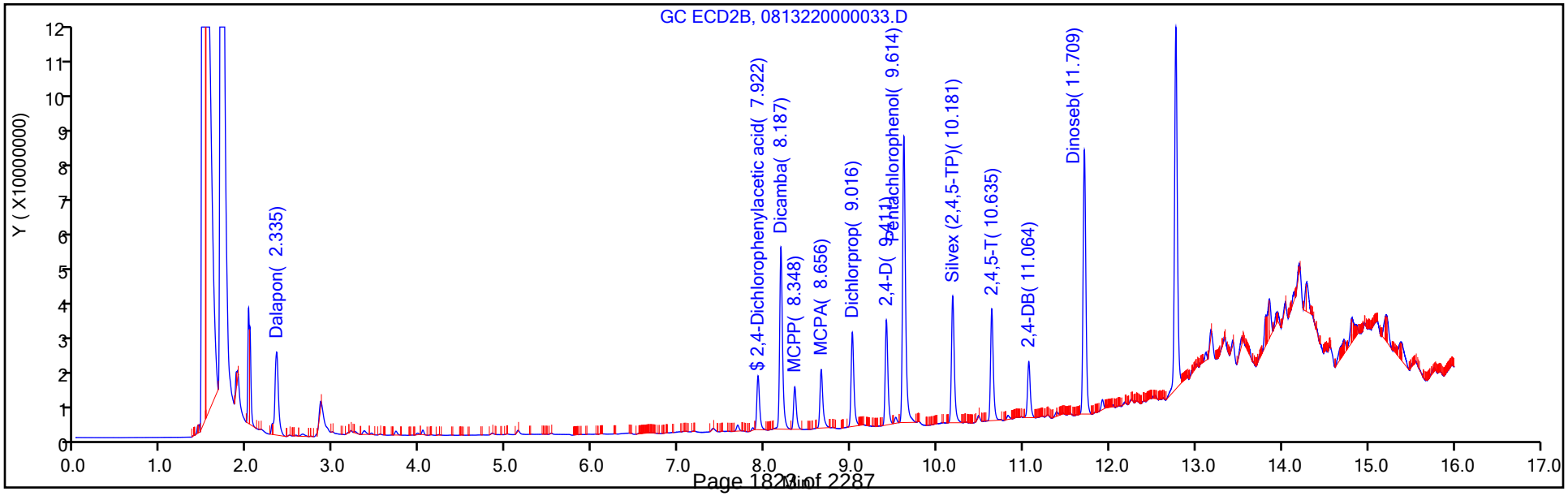
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D

Injection Date:	13-Aug-2022 17:15:00	Instrument ID:	CGC1	Operator ID:	
Lims ID:	LCS 180-408322/2-A			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	29
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000033.D				
Lims ID:	LCS 180-408322/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	13-Aug-2022 17:15:00	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-029				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:45		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0494	98.71

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0527	105.34

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-408322/3-A

Matrix: Solid Lab File ID: 0813220000034.D

Analysis Method: EPA 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) Date Analyzed: 08/13/2022 17:34

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-50 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	98		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D
Lims ID: LCSD 180-408322/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 13-Aug-2022 17:34:32 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-030
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.145	2.146	-0.001	22088078H	0.1000	0.0740	
2	2.340	2.338	0.002	23326523H	0.1000	0.0756	
						RPD = 2.13	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.924	7.925	-0.001	15294949H	0.0500	0.0488	
2	7.925	7.925	0.000	14561027H	0.0500	0.0515	
						RPD = 5.32	
3 MCPP							
1	8.139	8.140	-0.001	9649480H	10.0	11.7	
2	8.352	8.350	0.002	11547196H	10.0	9.12	
						RPD = 24.78	
4 Dicamba							
1	8.219	8.218	0.001	50671586H	0.0500	0.0567	
2	8.191	8.190	0.001	49272048H	0.0500	0.0558	
						RPD = 1.49	
5 MCPA							
1	8.558	8.558	0.000	13961039H	10.0	11.9	
2	8.658	8.657	0.001	16042910H	10.0	9.00	
						RPD = 27.73	
6 Dichlorprop							
1	8.838	8.836	0.002	25394689H	0.1000	0.1026	
2	9.018	9.019	-0.001	25799297H	0.1000	0.1036	
						RPD = 0.89	
7 2,4-D							
1	9.327	9.326	0.001	27880959H	0.1000	0.0961	
2	9.414	9.414	0.000	28299713H	0.1000	0.0983	
						RPD = 2.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.851	9.852	-0.001	73263712H	0.0250	0.0270	
2	9.617	9.615	0.002	78983442H	0.0250	0.0274	
						RPD = 1.51	
9 Silvex (2,4,5-TP)							
1	10.007	10.007	0.000	31040266H	0.0250	0.0249	
2	10.184	10.184	0.000	34610652H	0.0250	0.0263	
						RPD = 5.40	
10 2,4,5-T							
1	10.553	10.555	-0.002	28465395H	0.0250	0.0243	
2	10.636	10.636	0.000	29866960H	0.0250	0.0251	
						RPD = 3.07	
11 Dinoseb							
1	10.809	10.808	0.001	72930491H	0.1000	0.0969	
2	11.711	11.711	0.000	72215264H	0.1000	0.1025	
						RPD = 5.63	
12 2,4-DB							
1	10.936	10.936	0.000	14923734H	0.1000	0.0955	
2	11.067	11.066	0.001	3656304H	0.1000	0.0230	
						RPD = 122.33	

QC Flag Legend

Processing Flags

H - Response Measured by Height

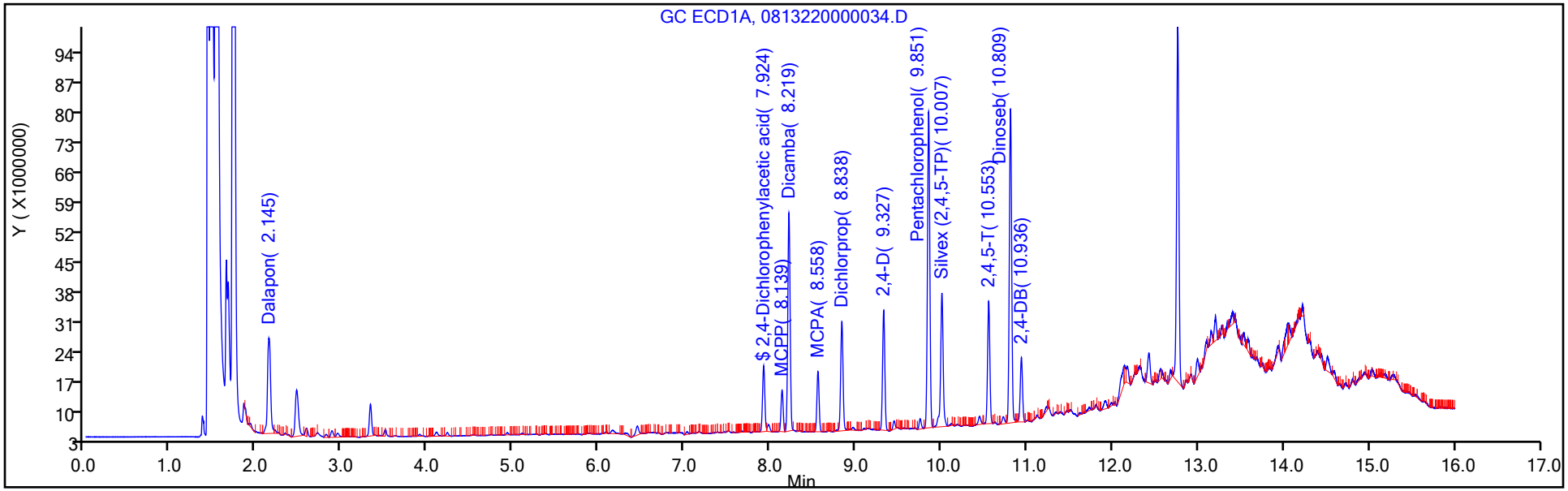
Report Date: 15-Aug-2022 06:12:18 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

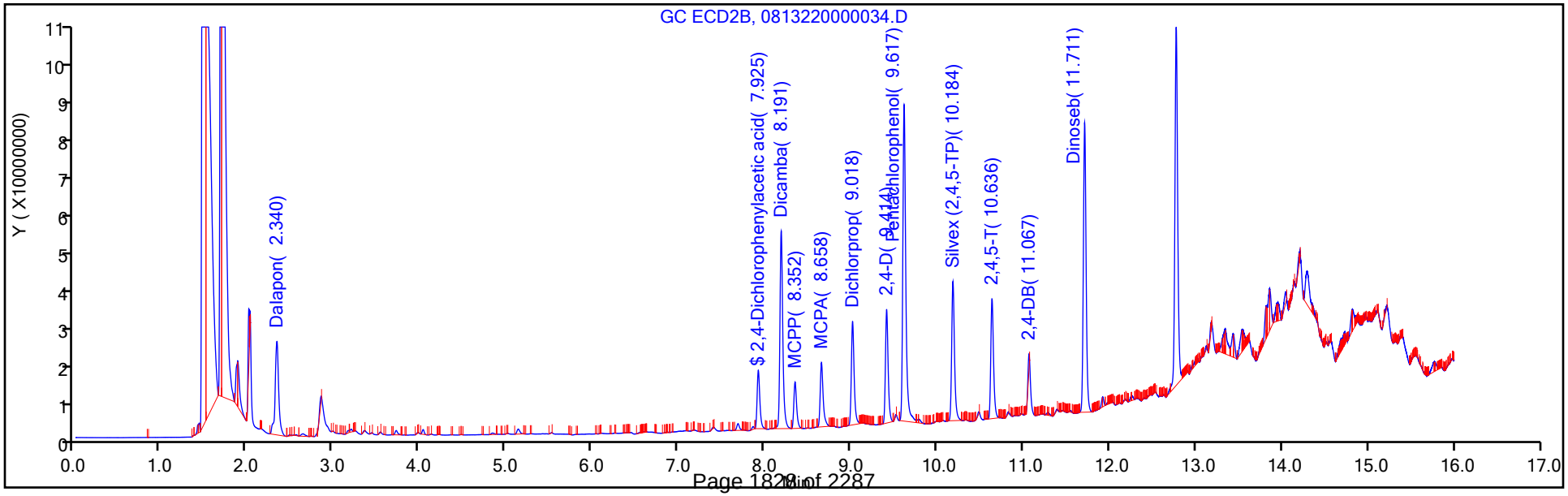
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D

Injection Date:	13-Aug-2022 17:34:32	Instrument ID:	CGC1	Operator ID:	
Lims ID:	LCSD 180-408322/3-A			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	30
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D				
Lims ID:	LCSD 180-408322/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	13-Aug-2022 17:34:32	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-030				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:57		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0488	97.65

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0515	102.99

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Pittsburgh | Job No.: 180-142292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-408322/3-A

Matrix: Solid | Lab File ID: 0813220000034.D

Analysis Method: EPA 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 08/11/2022 08:00

Sample wt/vol: 100(mL) | Date Analyzed: 08/13/2022 17:34

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 408559 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.197		0.040	0.020
93-72-1	Silvex (2,4,5-TP)	0.0526		0.010	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid (Surr)	103		48-127

Eurofins Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D
Lims ID: LCSD 180-408322/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 13-Aug-2022 17:34:32 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 180-0044216-030
Operator ID: Instrument ID: CGC1

Method: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m
Limit Group: GCS 8151A ICAL
Last Update: 15-Aug-2022 06:12:09 Calib Date: 21-Jun-2022 08:40:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D

Column 1 : RTX-50 (0.53 mm) Det: GC ECD1A
Column 2 : RTX-1701 (0.53 mm) Det: GC ECD2B
Process Host: CTX1626

First Level Reviewer: Q9YL Date: 15-Aug-2022 06:06:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
1 Dalapon							
1	2.145	2.146	-0.001	22088078H	0.1000	0.0740	
2	2.340	2.338	0.002	23326523H	0.1000	0.0756	
						RPD = 2.13	
$ 2 2,4-Dichlorophenylacetic acid							
1	7.924	7.925	-0.001	15294949H	0.0500	0.0488	
2	7.925	7.925	0.000	14561027H	0.0500	0.0515	
						RPD = 5.32	
3 MCPP							
1	8.139	8.140	-0.001	9649480H	10.0	11.7	
2	8.352	8.350	0.002	11547196H	10.0	9.12	
						RPD = 24.78	
4 Dicamba							
1	8.219	8.218	0.001	50671586H	0.0500	0.0567	
2	8.191	8.190	0.001	49272048H	0.0500	0.0558	
						RPD = 1.49	
5 MCPA							
1	8.558	8.558	0.000	13961039H	10.0	11.9	
2	8.658	8.657	0.001	16042910H	10.0	9.00	
						RPD = 27.73	
6 Dichlorprop							
1	8.838	8.836	0.002	25394689H	0.1000	0.1026	
2	9.018	9.019	-0.001	25799297H	0.1000	0.1036	
						RPD = 0.89	
7 2,4-D							
1	9.327	9.326	0.001	27880959H	0.1000	0.0961	
2	9.414	9.414	0.000	28299713H	0.1000	0.0983	
						RPD = 2.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
8 Pentachlorophenol							
1	9.851	9.852	-0.001	73263712H	0.0250	0.0270	
2	9.617	9.615	0.002	78983442H	0.0250	0.0274	
						RPD = 1.51	
9 Silvex (2,4,5-TP)							
1	10.007	10.007	0.000	31040266H	0.0250	0.0249	
2	10.184	10.184	0.000	34610652H	0.0250	0.0263	
						RPD = 5.40	
10 2,4,5-T							
1	10.553	10.555	-0.002	28465395H	0.0250	0.0243	
2	10.636	10.636	0.000	29866960H	0.0250	0.0251	
						RPD = 3.07	
11 Dinoseb							
1	10.809	10.808	0.001	72930491H	0.1000	0.0969	
2	11.711	11.711	0.000	72215264H	0.1000	0.1025	
						RPD = 5.63	
12 2,4-DB							
1	10.936	10.936	0.000	14923734H	0.1000	0.0955	
2	11.067	11.066	0.001	3656304H	0.1000	0.0230	
						RPD = 122.33	

QC Flag Legend

Processing Flags

H - Response Measured by Height

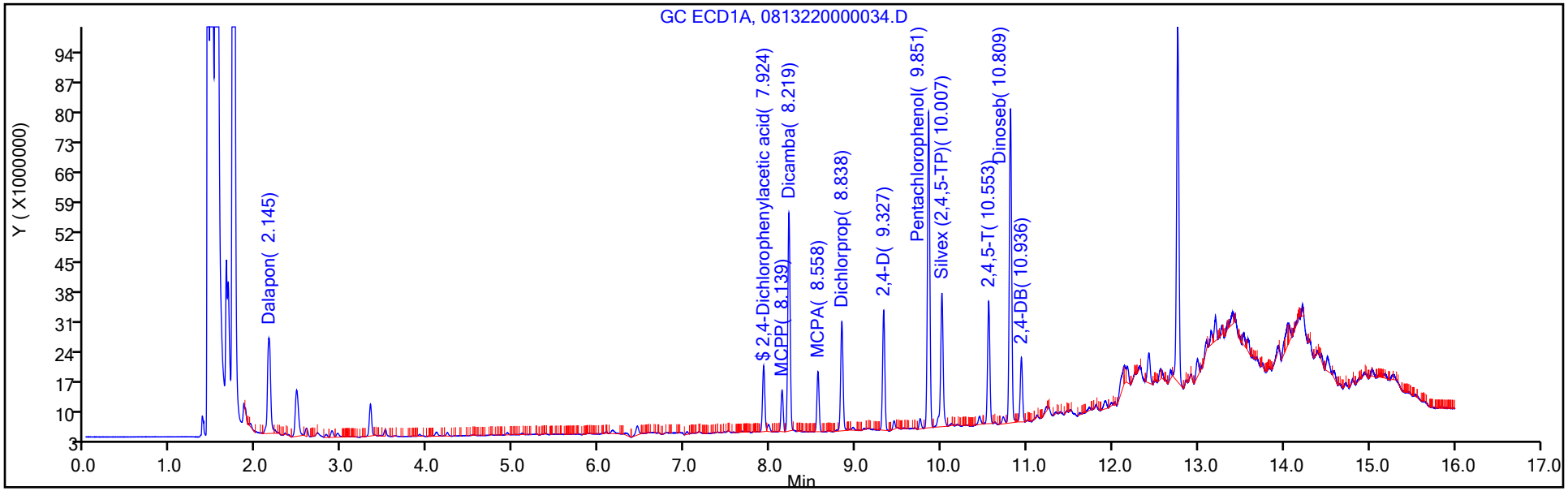
Report Date: 15-Aug-2022 06:12:19 Chrom Revision: 2.3 08-Aug-2022 16:03:06

Eurofins Pittsburgh

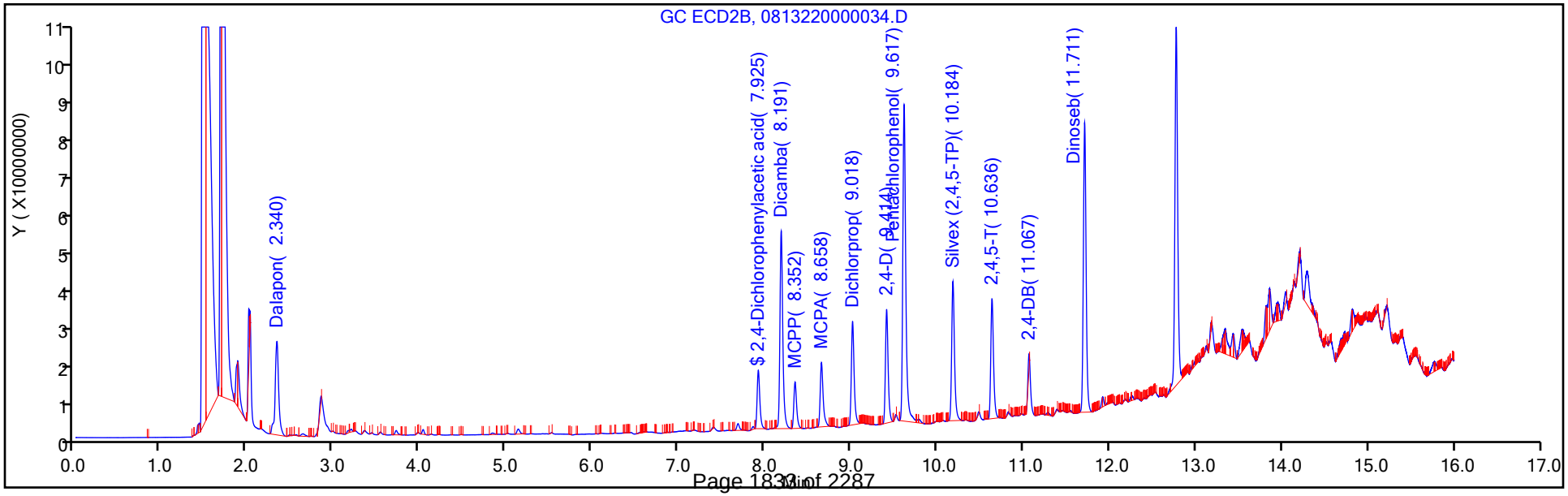
Data File: \\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D

Injection Date:	13-Aug-2022 17:34:32	Instrument ID:	CGC1	Operator ID:	
Lims ID:	LCSD 180-408322/3-A			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	30
Method:	Herbicides_CGC1	Limit Group:	GCS 8151A ICAL		

Column: RTX-50 (0.53 mm)



Column: RTX-1701 (0.53 mm)



Eurofins Pittsburgh
Recovery Report

Data File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\0813220000034.D				
Lims ID:	LCSD 180-408322/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	13-Aug-2022 17:34:32	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Sample Info:	180-0044216-030				
Operator ID:		Instrument ID:	CGC1		
Method:	\\chromfs\Pittsburgh\ChromData\CGC1\20220813-44216.b\Herbicides_CGC1.m				
Limit Group:	GCS 8151A ICAL				
Last Update:	15-Aug-2022 06:12:09	Calib Date:	21-Jun-2022 08:40:30		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CGC1\20220621-43410.b\0621220000011.D				
Column 1 :	RTX-50 (0.53 mm)		Det: GC ECD1A		
Column 2 :	RTX-1701 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1626				
First Level Reviewer: Q9YL		Date:	15-Aug-2022 06:06:57		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0488	97.65

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 2,4-Dichlorophenylacetic acid	1.00	0.0515	102.99

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Start Date: 06/21/2022 06:42

Analysis Batch Number: 402627 End Date: 06/21/2022 12:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-402627/1		06/21/2022 06:42	1	0621220000005.D	RTX-50 0.53(mm)
IC 180-402627/1		06/21/2022 06:42	1	0621220000005.D	RTX-1701 0.53(mm)
IC 180-402627/2		06/21/2022 07:02	1	0621220000006.D	RTX-50 0.53(mm)
IC 180-402627/2		06/21/2022 07:02	1	0621220000006.D	RTX-1701 0.53(mm)
IC 180-402627/3		06/21/2022 07:22	1	0621220000007.D	RTX-50 0.53(mm)
IC 180-402627/3		06/21/2022 07:22	1	0621220000007.D	RTX-1701 0.53(mm)
ICRT 180-402627/4		06/21/2022 07:41	1	0621220000008.D	RTX-50 0.53(mm)
ICRT 180-402627/4		06/21/2022 07:41	1	0621220000008.D	RTX-1701 0.53(mm)
IC 180-402627/5		06/21/2022 08:01	1	0621220000009.D	RTX-50 0.53(mm)
IC 180-402627/5		06/21/2022 08:01	1	0621220000009.D	RTX-1701 0.53(mm)
IC 180-402627/6		06/21/2022 08:21	1	0621220000010.D	RTX-50 0.53(mm)
IC 180-402627/6		06/21/2022 08:21	1	0621220000010.D	RTX-1701 0.53(mm)
IC 180-402627/7		06/21/2022 08:40	1	0621220000011.D	RTX-50 0.53(mm)
IC 180-402627/7		06/21/2022 08:40	1	0621220000011.D	RTX-1701 0.53(mm)
ICV 180-402627/8		06/21/2022 09:00	1	0621220000012.D	RTX-50 0.53(mm)
ICV 180-402627/8		06/21/2022 09:00	1	0621220000012.D	RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 09:19	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 09:19	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 09:39	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 09:39	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 09:58	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 09:58	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 10:18	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 10:18	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 10:37	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 10:37	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 10:57	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 10:57	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 11:16	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 11:16	1		RTX-1701 0.53(mm)
ZZZZZ		06/21/2022 11:36	1		RTX-50 0.53(mm)
ZZZZZ		06/21/2022 11:36	1		RTX-1701 0.53(mm)
CCVL 180-402627/17		06/21/2022 11:56	1		RTX-50 0.53(mm)
CCVL 180-402627/17		06/21/2022 11:56	1		RTX-1701 0.53(mm)
CCV 180-402627/18		06/21/2022 12:15	1		RTX-50 0.53(mm)
CCV 180-402627/18		06/21/2022 12:15	1		RTX-1701 0.53(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Start Date: 08/13/2022 08:06

Analysis Batch Number: 408559 End Date: 08/14/2022 00:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-408559/1		08/13/2022 08:06	1	0813220000005.D	RTX-50 0.53(mm)
CCVRT 180-408559/1		08/13/2022 08:06	1	0813220000005.D	RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 08:26	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 08:26	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 08:45	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 08:45	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 09:05	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 09:05	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 09:25	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 09:25	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 09:44	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 09:44	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 10:04	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 10:04	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 10:23	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 10:23	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 10:43	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 10:43	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 11:02	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 11:02	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 11:22	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 11:22	1		RTX-1701 0.53(mm)
CCV 180-408559/12		08/13/2022 11:41	1		RTX-50 0.53(mm)
CCV 180-408559/12		08/13/2022 11:41	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 12:01	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 12:01	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 12:20	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 12:20	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 12:40	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 12:40	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 13:00	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 13:00	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 13:19	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 13:19	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 13:39	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 13:39	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 13:59	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 13:59	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 14:18	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 14:18	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 14:38	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 14:38	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 14:57	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 14:57	20		RTX-1701 0.53(mm)
CCV 180-408559/23		08/13/2022 15:17	1	0813220000027.D	RTX-50 0.53(mm)

EPA 8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Start Date: 08/13/2022 08:06

Analysis Batch Number: 408559 End Date: 08/14/2022 00:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-408559/23		08/13/2022 15:17	1	0813220000027.D	RTX-1701 0.53(mm)
MB 180-408322/1-A		08/13/2022 15:37	20	0813220000028.D	RTX-50 0.53(mm)
MB 180-408322/1-A		08/13/2022 15:37	20	0813220000028.D	RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 15:56	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 15:56	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 16:16	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 16:16	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 16:35	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 16:35	20		RTX-1701 0.53(mm)
180-142292-1	TI-NA-FL-D-2207270900	08/13/2022 16:55	20	0813220000032.D	RTX-50 0.53(mm)
180-142292-1	TI-NA-FL-D-2207270900	08/13/2022 16:55	20	0813220000032.D	RTX-1701 0.53(mm)
LCS 180-408322/2-A		08/13/2022 17:15	20	0813220000033.D	RTX-50 0.53(mm)
LCS 180-408322/2-A		08/13/2022 17:15	20	0813220000033.D	RTX-1701 0.53(mm)
LCSD 180-408322/3-A		08/13/2022 17:34	20	0813220000034.D	RTX-50 0.53(mm)
LCSD 180-408322/3-A		08/13/2022 17:34	20	0813220000034.D	RTX-1701 0.53(mm)
LB 180-408025/1-E		08/13/2022 17:54	20	0813220000035.D	RTX-50 0.53(mm)
LB 180-408025/1-E		08/13/2022 17:54	20	0813220000035.D	RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 18:13	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 18:13	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 18:33	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 18:33	20		RTX-1701 0.53(mm)
CCV 180-408559/34		08/13/2022 18:52	1	0813220000038.D	RTX-50 0.53(mm)
CCV 180-408559/34		08/13/2022 18:52	1	0813220000038.D	RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 19:12	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 19:12	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 19:32	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 19:32	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 19:51	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 19:51	20		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 20:11	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 20:11	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 20:30	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 20:30	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 20:50	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 20:50	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 21:10	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 21:10	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 21:29	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 21:29	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 21:49	20		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 21:49	20		RTX-1701 0.53(mm)
CCV 180-408559/44		08/13/2022 22:08	1		RTX-50 0.53(mm)
CCV 180-408559/44		08/13/2022 22:08	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 22:28	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 22:28	1		RTX-1701 0.53(mm)

EPA 8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Instrument ID: CGC1 Start Date: 08/13/2022 08:06

Analysis Batch Number: 408559 End Date: 08/14/2022 00:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/13/2022 22:47	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 22:47	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 23:07	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 23:07	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 23:26	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 23:26	1		RTX-1701 0.53(mm)
ZZZZZ		08/13/2022 23:46	1		RTX-50 0.53(mm)
ZZZZZ		08/13/2022 23:46	1		RTX-1701 0.53(mm)
CCV 180-408559/50		08/14/2022 00:05	1		RTX-50 0.53(mm)
CCV 180-408559/50		08/14/2022 00:05	1		RTX-1701 0.53(mm)
CCVL 180-408559/51		08/14/2022 00:25	1		RTX-50 0.53(mm)
CCVL 180-408559/51		08/14/2022 00:25	1		RTX-1701 0.53(mm)

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 402627 Batch Start Date: 06/21/22 06:42 Batch Analyst: Oravec, John

Batch Method: EPA 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCHERBCALSL1 00032	GCHERBCALSL2 00028	GCHERBCALSL3 00041	GCHERBCALSL4 00033	GCHERBCALSL5 00028	GCHERBCALSL6 00016
IC 180-402627/1		EPA 8151A							
IC 180-402627/2		EPA 8151A		1 mL					
IC 180-402627/3		EPA 8151A			1 mL				
ICRT 180-402627/4		EPA 8151A				1 mL			
IC 180-402627/5		EPA 8151A					1 mL		
IC 180-402627/6		EPA 8151A						1 mL	
IC 180-402627/7		EPA 8151A							1 mL
ICV 180-402627/8		EPA 8151A							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCHERBCALSL7 00022	GCHERBICVSTD 00025				
IC 180-402627/1		EPA 8151A		1 mL					
IC 180-402627/2		EPA 8151A							
IC 180-402627/3		EPA 8151A							
ICRT 180-402627/4		EPA 8151A							
IC 180-402627/5		EPA 8151A							
IC 180-402627/6		EPA 8151A							
IC 180-402627/7		EPA 8151A							
ICV 180-402627/8		EPA 8151A			1 mL				

Batch Notes	
Dilution Solution ID	4742400

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 180-408025/1		EPA 1311, 8151A, EPA 8151A		100.00 g	2000 mL	5.00 g	96.5 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 8151A, EPA 8151A	P	100.13 g	2000 mL	5.01 g	96.5 mL	9.78 SU	3.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid
LB 180-408025/1		EPA 1311, 8151A, EPA 8151A		50 Celsius		08/10/22	2 hrs	4.95 SU	TCLP Extraction Fluid #1
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 8151A, EPA 8151A	P	50 Celsius	1.61 SU	08/10/22	2 hrs	6.98 SU	TCLP Extraction Fluid #1

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Batch Notes	
Hot Plate ID	TCLP-2
Thermometer ID	TCLP-2
First Start time	1100
First End time	1400
Rotator ID	# 5
Tumbler Rotations per Minute	30
Probe ID	XP1-16342
Balance ID	AND-14577823
pH Meter ID	ACCUMET-XL-150
pH Meter Calibration Slope	96.7 / 97.9
Room Temperature Thermometer ID	FISHER-160719405
Uncorrected Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Celsius
Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Degrees C
TCLP Fluid 1 ID	4888942
TCLP Fluid 1 pH	4.93
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
Lot # of Nitric Acid	4607837
1N HCl ID	4896087
Filter ID	4877852
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Analyst ID - Spike Analyst	MJC
Analyst ID - Spike Witness Analyst	RGT
Bottle Lot ID	0400401G
Room Temperature during Rotation	21.0 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Uncorrected Room Temperature	21.0 Degrees C
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408322 Batch Start Date: 08/11/22 08:00 Batch Analyst: Yushinski, Charles

Batch Method: 8151A Batch End Date: 08/12/22 07:14

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	Herb(RTS)spk 00014
MB 180-408322/1		8151A, EPA 8151A		100 mL	10.0 mL	6 SU	12 SU	2 SU	
LCS 180-408322/2		8151A, EPA 8151A		100 mL	10.0 mL	6 SU	12 SU	2 SU	1 mL
LCSD 180-408322/3		8151A, EPA 8151A		100 mL	10.0 mL	6 SU	12 SU	2 SU	1 mL
LB 180-408025/1-A		8151A, EPA 8151A		100 mL	10.0 mL	5 SU	12 SU	2 SU	
180-142292-C-1-D	TI-NA-FL-D-22072 70900	8151A, EPA 8151A	P	100 mL	10.0 mL	5 SU	12 SU	2 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPHERBRTSSURR 00014	AnalysisComment				
MB 180-408322/1		8151A, EPA 8151A		1 mL	Funnel 1				
LCS 180-408322/2		8151A, EPA 8151A		1 mL	Funnel 2				
LCSD 180-408322/3		8151A, EPA 8151A		1 mL	Funnel 3				
LB 180-408025/1-A		8151A, EPA 8151A		1 mL	Funnel 4				
180-142292-C-1-D	TI-NA-FL-D-22072 70900	8151A, EPA 8151A	P	1 mL	Funnel 10				

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.:

Batch Number: 408322 Batch Start Date: 08/11/22 08:00 Batch Analyst: Yushinski, Charles

Batch Method: 8151A Batch End Date: 08/12/22 07:14

Batch Notes	
Sulfuric Acid Lot Number	4918889
pH Indicator ID	Ph paper HC168773
Analyst ID - Extraction	CBY
Analyst ID - Spike Analyst	CBY
Sufficient Volume for Batch QC	no
MeCL2 ID	4960342
NaCl ID	4909879
Base Used to Adjust pH ID	4797865
Acid Used for pH Adjustment ID	4918889
Diethyl Ether ID	4909624
Acidified Na2SO4 ID	4823845
Analyst ID - Concentration	DD
Concentration 1 Equipment ID	water bath 2
Concentration 1 Thermometer ID	water bath 2
Concentration 1 Uncorrected Temperature	65 CF 0.0 Degrees C
Concentration 1 Corrected Temperature	23 Degrees C
Concentration 2 Equipment ID	1
Concentration 2 Thermometer ID	1
Concentration 2 Uncorrected Temperature	21 CF 2.0 Degrees C
Concentration 2 Corrected Temperature	23 Degrees C
NaOH Start Time - 1 Hour	08/11/2022 08:00
NaOH End Time - 1 Hour	08/11/2022 09:00
TMSDM ID	4760266
Silicic Acid ID	4768495
Hexane ID	4934202

Basis	Basis Description
P	TCLP

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.