Environment Testing America

ANALYTICAL REPORT

Job Number: 480-195466-1

Job Description: Project # 18-046 - Lakeside Village Apts

For:
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Attention: Ms. Christine Curtis

Approved for release.
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Job Narrative
480-195466-1

Comments
No additional comments.

Receipt
The samples were received on 3/3/2022 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.8º C.

Receipt Exceptions
The following samples were preserved via freezing on 3/3/22 at 1500: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8), LF1 (480-195466-9), LF2 (480-195466-10) and LF1 (480-195466-11) .

The following samples were received at the laboratory outside the required temperature criteria: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8), LF1 (480-195466-9), LF2 (480-195466-10) and LF1 (480-195466-11).

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-616884 recovered above the upper control limit for trans-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8) and LF1 (480-195466-11).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB202 (2-2.5) (480-195466-3) and SB204 (2.75-3.2) (480-195466-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (5.5-6.0) (480-195466-8) and LF1 (480-195466-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: LF1 (480-195466-9), LF2 (480-195466-10) and (LB 480-616936/1-A). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-617050 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: LF1 (480-195466-9) and LF2 (480-195466-10).

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

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method 8015D: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: LF1 (480-195466-9) and LF2 (480-195466-10).

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

GC Semi VOA
Method 8151A: The continuing calibration verification (CCV) associated with batch 480-617225 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: LF1 (480-195466-9) and LF2 (480-195466-10).

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

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

General Chemistry
Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: LF1 (480-195466-9) and LF2 (480-195466-10).

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-616935 and 480-617096.

Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-616935 and 480-617097.

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

Sample Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195466-1	SB201 (1.8-2.3)	Solid	03/02/22 09:55	03/03/22 13:35
480-195466-2	SB201 (6-6.5)	Solid	03/02/22 10:03	03/03/22 13:35
480-195466-3	SB202 (2-2.5)	Solid	03/02/22 10:45	03/03/22 13:35
480-195466-4	SB202 (6-6.5)	Solid	03/02/22 11:10	03/03/22 13:35
480-195466-5	SB203 (2-2.5)	Solid	03/02/22 11:53	03/03/22 13:35
480-195466-6	SB203 (5-5.5)	Solid	03/02/22 12:09	03/03/22 13:35
480-195466-7	SB204 (2.75-3.2)	Solid	03/02/22 12:55	03/03/22 13:35
480-195466-8	SB204 (5.5-6.0)	Solid	03/02/22 13:23	03/03/22 13:35
480-195466-9	LF1	Solid	03/02/22 14:15	03/03/22 13:35
480-195466-10	LF2	Solid	03/02/22 14:25	03/03/22 13:35
480-195466-11	LF1	Solid	03/02/22 14:15	03/03/22 13:35

Detection Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB201 (1.8-2.3) — Lab Sample ID: 480-195466-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	370	J	450	370	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	95		89	20	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	300		89	42	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1800		89	12	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB201 (6-6.5) — Lab Sample ID: 480-195466-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	84		54	7.3	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB202 (2-2.5) — Lab Sample ID: 480-195466-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8800		200	27	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	180	J	200	56	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: SB202 (6-6.5) — Lab Sample ID: 480-195466-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	210		56	16	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2900		56	7.6	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	13	J	56	13	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	710		56	16	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB203 (2-2.5) — Lab Sample ID: 480-195466-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1600		50	6.7	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB203 (5-5.5) — Lab Sample ID: 480-195466-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	160		51	14	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	46	J	250	24	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	230		51	6.8	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	13	J	51	12	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	37	J	51	14	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB204 (2.75-3.2) — Lab Sample ID: 480-195466-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3000		240	65	ug/Kg	4	☼	8260C	Total/NA
Tetrachloroethene	19000		240	32	ug/Kg	4	☼	8260C	Total/NA
trans-1,2-Dichloroethene	1300		240	56	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	7000		240	66	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: SB204 (5.5-6.0) — Lab Sample ID: 480-195466-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	990		60	17	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	26	J	60	8.1	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	28	J	60	14	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	33	J	60	20	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: LF1 — Lab Sample ID: 480-195466-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.011		0.010	0.0036	mg/L	10		8260C	TCLP
Trichloroethene	0.011		0.010	0.0046	mg/L	10		8260C	TCLP
GRO (C6-C10)	1.8		1.4	0.38	mg/Kg	1	☼	8015D	Total/NA
Diesel Range Organics [C10-C28]	9.6	J	19	5.8	mg/Kg	1	☼	8015D	Total/NA
Barium	0.75	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0018	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.0075	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>175		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.8	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	19.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: LF2 — Lab Sample ID: 480-195466-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.014		0.010	0.0036	mg/L	10		8260C	TCLP
GRO (C6-C10)	1.8		1.5	0.40	mg/Kg	1	☼	8015D	Total/NA
Diesel Range Organics [C10-C28]	28		21	6.3	mg/Kg	1	☼	8015D	Total/NA
Barium	0.63	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.00086	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.011	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>175		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	9.2	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	19.9	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: LF1 — Lab Sample ID: 480-195466-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	370		59	16	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2500		59	8.0	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	140		59	14	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1200		59	16	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL BUF
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151	TCLP Herbicides	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	TCLP Mercury	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1

Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2,2-Tetrachloroethane	ND		89	15	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2-Trichloroethane	ND		89	19	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1-Dichloroethane	ND		89	28	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1-Dichloroethene	ND		89	31	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2,4-Trichlorobenzene	ND		89	34	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dibromo-3-Chloropropane	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichlorobenzene	ND		89	23	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichloroethane	ND		89	37	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichloropropane	ND		89	14	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,3-Dichlorobenzene	ND		89	24	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,4-Dichlorobenzene	ND		89	13	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
2-Butanone (MEK)	ND		450	270	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
2-Hexanone	ND		450	180	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
4-Methyl-2-pentanone (MIBK)	ND		450	29	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Acetone	**370**	**J**	450	370	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Benzene	ND		89	17	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromodichloromethane	ND		89	18	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromoform	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromomethane	ND		89	20	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Carbon disulfide	ND		89	41	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Carbon tetrachloride	ND		89	23	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chlorobenzene	ND		89	12	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Dibromochloromethane	ND		89	43	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloroethane	ND		89	19	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloroform	ND		89	61	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloromethane	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
cis-1,2-Dichloroethene	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
cis-1,3-Dichloropropene	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Cyclohexane	**95**		89	20	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Dichlorodifluoromethane	ND		89	39	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Ethylbenzene	ND		89	26	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dibromoethane	ND		89	16	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Isopropylbenzene	ND		89	13	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methyl acetate	ND		450	43	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methyl tert-butyl ether	ND		89	34	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methylcyclohexane	**300**		89	42	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methylene Chloride	ND		89	18	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Styrene	ND		89	22	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Tetrachloroethene	**1800**		89	12	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Toluene	ND		89	24	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
trans-1,2-Dichloroethene	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
trans-1,3-Dichloropropene	ND		89	8.8	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Trichloroethene	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Trichlorofluoromethane	ND		89	42	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Vinyl chloride	ND		89	30	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Xylenes, Total	ND		180	50	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1

Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 76.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*03/03/22 17:00*	*03/06/22 00:50*	*1*

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2

Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2,2-Tetrachloroethane	ND		54	8.8	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2-Trichloroethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1-Dichloroethane	ND		54	17	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2,4-Trichlorobenzene	ND		54	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dibromo-3-Chloropropane	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichloroethane	ND		54	22	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichloropropane	ND		54	8.7	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,3-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,4-Dichlorobenzene	ND		54	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Acetone	ND		270	220	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Benzene	ND		54	10	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromodichloromethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromoform	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromomethane	ND		54	12	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Carbon disulfide	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Carbon tetrachloride	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chlorobenzene	ND		54	7.1	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Dibromochloromethane	ND		54	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloroethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloroform	ND		54	37	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloromethane	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
cis-1,2-Dichloroethene	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Cyclohexane	ND		54	12	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Dichlorodifluoromethane	ND		54	24	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Ethylbenzene	ND		54	16	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dibromoethane	ND		54	9.4	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Isopropylbenzene	ND		54	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methyl acetate	ND		270	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methyl tert-butyl ether	ND		54	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methylcyclohexane	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methylene Chloride	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2

Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Tetrachloroethene	**84**		54	7.3	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Toluene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
trans-1,2-Dichloroethene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
trans-1,3-Dichloropropene	ND		54	5.3	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Trichloroethene	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Trichlorofluoromethane	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Vinyl chloride	ND		54	18	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Xylenes, Total	ND		110	30	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*50 - 149*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*03/03/22 17:00*	*03/06/22 01:12*	*1*

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	55	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2,2-Tetrachloroethane	ND		200	32	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2-Trichloroethane	ND		200	42	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1-Dichloroethane	ND		200	62	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1-Dichloroethene	ND		200	69	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2,4-Trichlorobenzene	ND		200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dibromo-3-Chloropropane	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichlorobenzene	ND		200	51	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichloroethane	ND		200	82	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichloropropane	ND		200	32	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,3-Dichlorobenzene	ND		200	53	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,4-Dichlorobenzene	ND		200	28	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
2-Butanone (MEK)	ND		1000	590	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
2-Hexanone	ND		1000	410	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
4-Methyl-2-pentanone (MIBK)	ND		1000	64	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Acetone	ND		1000	820	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Benzene	ND		200	38	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromodichloromethane	ND		200	40	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromoform	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromomethane	ND		200	44	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Carbon disulfide	ND		200	91	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Carbon tetrachloride	ND		200	51	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chlorobenzene	ND		200	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Dibromochloromethane	ND		200	97	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloroethane	ND		200	42	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloroform	ND		200	140	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloromethane	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		200	55	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
cis-1,3-Dichloropropene	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Cyclohexane	ND		200	44	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Dichlorodifluoromethane	ND		200	87	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Ethylbenzene	ND		200	58	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dibromoethane	ND		200	35	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Isopropylbenzene	ND		200	30	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methyl acetate	ND		1000	95	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methyl tert-butyl ether	ND		200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methylcyclohexane	ND		200	94	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methylene Chloride	ND		200	40	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Styrene	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Tetrachloroethene	**8800**		200	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Toluene	ND		200	54	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
trans-1,2-Dichloroethene	ND		200	47	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
trans-1,3-Dichloropropene	ND		200	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Trichloroethene	**180**	**J**	200	56	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Trichlorofluoromethane	ND		200	94	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Vinyl chloride	ND		200	67	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Xylenes, Total	ND		400	110	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*50 - 149*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 01:36*	*4*

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2,2-Tetrachloroethane	ND		56	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2-Trichloroethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1-Dichloroethane	ND		56	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1-Dichloroethene	ND		56	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2,4-Trichlorobenzene	ND		56	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dibromo-3-Chloropropane	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichlorobenzene	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichloroethane	ND		56	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichloropropane	ND		56	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,3-Dichlorobenzene	ND		56	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,4-Dichlorobenzene	ND		56	7.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
2-Butanone (MEK)	ND		280	170	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
2-Hexanone	ND		280	120	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
4-Methyl-2-pentanone (MIBK)	ND		280	18	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Acetone	ND		280	230	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromodichloromethane	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromoform	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromomethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Carbon disulfide	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Carbon tetrachloride	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chlorobenzene	ND		56	7.4	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Dibromochloromethane	ND		56	27	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloroethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloroform	ND		56	39	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloromethane	ND		56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
cis-1,2-Dichloroethene	**210**		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
cis-1,3-Dichloropropene	ND		56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Cyclohexane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Dichlorodifluoromethane	ND		56	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Ethylbenzene	ND		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dibromoethane	ND		56	9.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Isopropylbenzene	ND		56	8.4	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methyl acetate	ND		280	27	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methyl tert-butyl ether	ND		56	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methylcyclohexane	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methylene Chloride	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Styrene	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Tetrachloroethene	**2900**		56	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Toluene	ND		56	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
trans-1,2-Dichloroethene	**13**	**J**	56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
trans-1,3-Dichloropropene	ND		56	5.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Trichloroethene	**710**		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Trichlorofluoromethane	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Vinyl chloride	ND		56	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Xylenes, Total	ND		110	31	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:00*	*1*

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5

Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2-Trichloroethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1-Dichloroethane	ND		50	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1-Dichloroethene	ND		50	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB203 (2-2.5)

Date Collected: 03/02/22 11:53
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-5

Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichloroethane	ND		50	20	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
2-Hexanone	ND		250	100	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Acetone	ND		250	210	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Benzene	ND		50	9.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromodichloromethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromoform	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromomethane	ND		50	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Carbon disulfide	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Carbon tetrachloride	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chlorobenzene	ND		50	6.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Dibromochloromethane	ND		50	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloroethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloroform	ND		50	34	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloromethane	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Cyclohexane	ND		50	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Dichlorodifluoromethane	ND		50	22	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Ethylbenzene	ND		50	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dibromoethane	ND		50	8.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Isopropylbenzene	ND		50	7.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methyl acetate	ND		250	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methyl tert-butyl ether	ND		50	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methylcyclohexane	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methylene Chloride	ND		50	9.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Styrene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Tetrachloroethene	**1600**		50	6.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Toluene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
trans-1,3-Dichloropropene	ND		50	4.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Trichloroethene	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Trichlorofluoromethane	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Vinyl chloride	ND		50	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Xylenes, Total	ND		100	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:23*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6

Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2,2-Tetrachloroethane	ND		51	8.3	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2-Trichloroethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1-Dichloroethane	ND		51	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1-Dichloroethene	ND		51	18	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2,4-Trichlorobenzene	ND		51	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dibromo-3-Chloropropane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichlorobenzene	ND		51	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichloroethane	ND		51	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichloropropane	ND		51	8.2	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,3-Dichlorobenzene	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,4-Dichlorobenzene	ND		51	7.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
2-Hexanone	ND		250	100	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Acetone	ND		250	210	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Benzene	ND		51	9.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromodichloromethane	ND		51	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromoform	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromomethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Carbon disulfide	ND		51	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Carbon tetrachloride	ND		51	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chlorobenzene	ND		51	6.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Dibromochloromethane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloroethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloroform	ND		51	35	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloromethane	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
cis-1,2-Dichloroethene	**160**		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
cis-1,3-Dichloropropene	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Cyclohexane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Dichlorodifluoromethane	ND		51	22	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Ethylbenzene	ND		51	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dibromoethane	ND		51	8.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Isopropylbenzene	ND		51	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methyl acetate	**46**	**J**	250	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methyl tert-butyl ether	ND		51	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methylcyclohexane	ND		51	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methylene Chloride	ND		51	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Styrene	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Tetrachloroethene	**230**		51	6.8	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Toluene	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
trans-1,2-Dichloroethene	**13**	**J**	51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
trans-1,3-Dichloropropene	ND		51	5.0	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Trichloroethene	**37**	**J**	51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Trichlorofluoromethane	ND		51	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Vinyl chloride	ND		51	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Xylenes, Total	ND		100	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6

Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 85.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:46*	*1*

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7

Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		240	65	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2,2-Tetrachloroethane	ND		240	38	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2-Trichloroethane	ND		240	50	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1-Dichloroethane	ND		240	73	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1-Dichloroethene	ND		240	82	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2,4-Trichlorobenzene	ND		240	89	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dibromo-3-Chloropropane	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichlorobenzene	ND		240	60	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichloroethane	ND		240	97	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichloropropane	ND		240	38	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,3-Dichlorobenzene	ND		240	63	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,4-Dichlorobenzene	ND		240	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
2-Butanone (MEK)	ND		1200	700	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
2-Hexanone	ND		1200	480	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
4-Methyl-2-pentanone (MIBK)	ND		1200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Acetone	ND		1200	970	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Benzene	ND		240	45	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromodichloromethane	ND		240	47	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromoform	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromomethane	ND		240	52	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Carbon disulfide	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Carbon tetrachloride	ND		240	60	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chlorobenzene	ND		240	31	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Dibromochloromethane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloroethane	ND		240	49	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloroform	ND		240	160	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloromethane	ND		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
cis-1,2-Dichloroethene	**3000**		240	65	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
cis-1,3-Dichloropropene	ND		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Cyclohexane	ND		240	52	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Dichlorodifluoromethane	ND		240	100	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Ethylbenzene	ND		240	69	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dibromoethane	ND		240	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Isopropylbenzene	ND		240	35	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methyl acetate	ND		1200	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methyl tert-butyl ether	ND		240	89	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methylcyclohexane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methylene Chloride	ND		240	47	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7

Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		240	57	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Tetrachloroethene	**19000**		240	32	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Toluene	ND		240	63	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
trans-1,2-Dichloroethene	**1300**		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
trans-1,3-Dichloropropene	ND		240	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Trichloroethene	**7000**		240	66	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Trichlorofluoromethane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Vinyl chloride	ND		240	79	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Xylenes, Total	ND		470	130	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:10*	*4*

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2,2-Tetrachloroethane	ND		60	9.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2-Trichloroethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1-Dichloroethane	ND		60	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1-Dichloroethene	ND		60	21	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2,4-Trichlorobenzene	ND		60	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dibromo-3-Chloropropane	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichlorobenzene	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichloroethane	ND		60	25	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichloropropane	ND		60	9.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,3-Dichlorobenzene	ND		60	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,4-Dichlorobenzene	ND		60	8.5	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Acetone	ND		300	250	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Benzene	ND		60	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromodichloromethane	ND		60	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromoform	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromomethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Carbon disulfide	ND		60	27	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Carbon tetrachloride	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chlorobenzene	ND		60	8.0	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Dibromochloromethane	ND		60	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloroethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloroform	ND		60	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloromethane	ND		60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**990**		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Cyclohexane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Dichlorodifluoromethane	ND		60	26	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Ethylbenzene	ND		60	18	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dibromoethane	ND		60	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Isopropylbenzene	ND		60	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methyl acetate	ND		300	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methyl tert-butyl ether	ND		60	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methylcyclohexane	ND		60	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methylene Chloride	ND		60	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Styrene	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Tetrachloroethene	**26**	**J**	60	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Toluene	ND		60	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
trans-1,2-Dichloroethene	**28**	**J**	60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
trans-1,3-Dichloropropene	ND		60	5.9	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Trichloroethene	ND		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Trichlorofluoromethane	ND		60	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Vinyl chloride	**33**	**J**	60	20	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:34*	*1*

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			03/08/22 18:19	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 18:19	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 18:19	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 18:19	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 18:19	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 18:19	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 18:19	10
Tetrachloroethene	**0.011**		0.010	0.0036	mg/L			03/08/22 18:19	10
Trichloroethene	**0.011**		0.010	0.0046	mg/L			03/08/22 18:19	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 18:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/08/22 18:19*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/22 18:19*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/08/22 18:19*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/08/22 18:19*	*10*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1

Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 13:52	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 13:52	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 13:52	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 13:52	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*41 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
2-Fluorophenol	*46*		*35 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
p-Terphenyl-d14	*102*		*60 - 148*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
Phenol-d5	*31*		*22 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 11:58	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 11:58	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:58	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 11:58	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 11:58	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:58	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
DCB Decachlorobiphenyl	*74*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
Tetrachloro-m-xylene	*95*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 17:59	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*51*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:59*	*1*
2,4-Dichlorophenylacetic acid	*60*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:59*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:13	1
Barium	**0.75**	**J**	1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:13	1

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0018**	**J**	0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:13	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:13	1
Lead	**0.0075**	**J**	0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:13	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:13	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:13	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 15:26	1
Sulfide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>175**		50.0	50.0	Degrees F			03/08/22 18:32	1
pH	**8.8**	**HF**	0.1	0.1	SU			03/05/22 17:40	1
Temperature	**19.8**	**HF**	0.001	0.001	Degrees C			03/05/22 17:40	1

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 84.6

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	**1.8**		1.4	0.38	mg/Kg	☼	03/08/22 08:05	03/08/22 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*46 - 156*	*03/08/22 08:05*	*03/08/22 10:38*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**9.6**	**J**	19	5.8	mg/Kg	☼	03/07/22 09:00	03/07/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*48 - 125*	*03/07/22 09:00*	*03/07/22 12:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1254	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*03/07/22 07:42*	*03/07/22 18:03*	*1*

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 84.6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*03/07/22 07:42*	*03/07/22 18:03*	*1*
DCB Decachlorobiphenyl	*101*		*65 - 174*	*03/07/22 07:42*	*03/07/22 18:03*	*1*
DCB Decachlorobiphenyl	*101*		*65 - 174*	*03/07/22 07:42*	*03/07/22 18:03*	*1*

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			03/08/22 18:42	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 18:42	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 18:42	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 18:42	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 18:42	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 18:42	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 18:42	10
Tetrachloroethene	**0.014**		0.010	0.0036	mg/L			03/08/22 18:42	10
Trichloroethene	ND		0.010	0.0046	mg/L			03/08/22 18:42	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 18:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/08/22 18:42*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/22 18:42*	*10*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/08/22 18:42*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/08/22 18:42*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 14:16	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 14:16	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 14:16	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 14:16	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*41 - 120*	*03/08/22 15:04*	*03/09/22 14:16*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*03/08/22 15:04*	*03/09/22 14:16*	*1*
2-Fluorophenol	*46*		*35 - 120*	*03/08/22 15:04*	*03/09/22 14:16*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*03/08/22 15:04*	*03/09/22 14:16*	*1*
p-Terphenyl-d14	*97*		*60 - 148*	*03/08/22 15:04*	*03/09/22 14:16*	*1*
Phenol-d5	*31*		*22 - 120*	*03/08/22 15:04*	*03/09/22 14:16*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 12:18	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 12:18	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 12:18	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 12:18	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 12:18	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 12:18	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*20 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
DCB Decachlorobiphenyl	*72*		*20 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
Tetrachloro-m-xylene	*97*		*44 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
Tetrachloro-m-xylene	*75*		*44 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 18:28	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*48 - 132*	*03/08/22 09:52*	*03/09/22 18:28*	*1*
2,4-Dichlorophenylacetic acid	*85*		*48 - 132*	*03/08/22 09:52*	*03/09/22 18:28*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:17	1
Barium	**0.63**	**J**	1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:17	1
Cadmium	**0.00086**	**J**	0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:17	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:17	1
Lead	**0.011**	**J**	0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:17	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:17	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:17	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 15:27	1
Sulfide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>175**		50.0	50.0	Degrees F			03/09/22 16:08	1
pH	**9.2**	**HF**	0.1	0.1	SU			03/05/22 17:40	1
Temperature	**19.9**	**HF**	0.001	0.001	Degrees C			03/05/22 17:40	1

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 78.6

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1.8		1.5	0.40	mg/Kg	☼	03/08/22 08:05	03/08/22 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*46 - 156*	*03/08/22 08:05*	*03/08/22 11:15*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	28		21	6.3	mg/Kg	☼	03/07/22 09:00	03/07/22 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*48 - 125*	*03/07/22 09:00*	*03/07/22 13:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1221	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1232	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1242	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1248	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
Tetrachloro-m-xylene	*134*		*60 - 154*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*03/07/22 07:42*	*03/07/22 17:37*	*1*

Client Sample ID: LF1
Lab Sample ID: 480-195466-11

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2,2-Tetrachloroethane	ND		59	9.6	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2-Trichloroethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1-Dichloroethane	ND		59	18	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1-Dichloroethene	ND		59	21	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2,4-Trichlorobenzene	ND		59	22	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dibromo-3-Chloropropane	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichlorobenzene	ND		59	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichloroethane	ND		59	24	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichloropropane	ND		59	9.6	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,3-Dichlorobenzene	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,4-Dichlorobenzene	ND		59	8.3	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1

Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-11

Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Acetone	ND		300	240	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Benzene	ND		59	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromodichloromethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromoform	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromomethane	ND		59	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Carbon disulfide	ND		59	27	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Carbon tetrachloride	ND		59	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chlorobenzene	ND		59	7.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Dibromochloromethane	ND		59	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloroethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloroform	ND		59	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloromethane	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
cis-1,2-Dichloroethene	**370**		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
cis-1,3-Dichloropropene	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Cyclohexane	ND		59	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Dichlorodifluoromethane	ND		59	26	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Ethylbenzene	ND		59	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dibromoethane	ND		59	10	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Isopropylbenzene	ND		59	8.9	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methyl acetate	ND		300	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methyl tert-butyl ether	ND		59	22	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methylcyclohexane	ND		59	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methylene Chloride	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Styrene	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Tetrachloroethene	**2500**		59	8.0	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Toluene	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
trans-1,2-Dichloroethene	**140**		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
trans-1,3-Dichloropropene	ND		59	5.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Trichloroethene	**1200**		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Trichlorofluoromethane	ND		59	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Vinyl chloride	ND		59	20	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:58*	*1*

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 8260C - TCLP Volatiles

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
LCS 480-617050/5	Lab Control Sample	89	97	99	102
MB 480-617050/7	Method Blank	86	93	96	98

Surrogate Legend

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

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-195466-9	LF1	102	91	97	109
480-195466-10	LF2	102	91	100	103
LB 480-616936/1-A	Method Blank	104	88	99	110

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(50-149)	(53-146)	(49-148)	(60-140)
480-195466-1	SB201 (1.8-2.3)	95	98	96	92
480-195466-2	SB201 (6-6.5)	98	100	94	92
480-195466-3	SB202 (2-2.5)	91	95	92	89
480-195466-4	SB202 (6-6.5)	94	97	92	91
480-195466-5	SB203 (2-2.5)	96	97	95	87
480-195466-6	SB203 (5-5.5)	98	95	98	83
480-195466-7	SB204 (2.75-3.2)	96	99	96	89
480-195466-8	SB204 (5.5-6.0)	97	100	95	89
480-195466-11	LF1	97	95	93	84
LCS 480-616692/1-A	Lab Control Sample	97	96	100	96
MB 480-616692/2-A	Method Blank	95	98	95	91

Surrogate Legend

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

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
LCS 480-617177/2-A	Lab Control Sample	100	81	44	80	93	29
LCSD 480-617177/3-A	Lab Control Sample Dup	114	95	50	92	103	34
MB 480-617177/1-A	Method Blank	86	97	51	92	107	35

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-195466-9	LF1	93	90	46	88	102	31
480-195466-10	LF2	91	88	46	83	97	31
LB 480-616935/1-F	Method Blank	100	94	52	94	103	33

Surrogate Legend

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

Method: 8015D - Gasoline Range Organics (GRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(46-156)
480-195466-9	LF1	87
480-195466-9 MS	LF1	60
480-195466-9 MSD	LF1	67
480-195466-10	LF2	85
LCS 480-617051/2-A	Lab Control Sample	90
MB 480-617051/1-A	Method Blank	96

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(48-125)
480-195466-9	LF1	80

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (48-125)						
480-195466-10	LF2	81						
LCS 480-616939/2-A	Lab Control Sample	99						
LCSD 480-616939/3-A	Lab Control Sample Dup	100						
MB 480-616939/1-A	Method Blank	71						

Surrogate Legend

OTPH = o-Terphenyl

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)				
LCS 480-617096/2-A	Lab Control Sample	49	51	55	79				
LCSD 480-617096/3-A	Lab Control Sample Dup	39	45	83	76				
MB 480-617096/1-A	Method Blank	43	46	85	68				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)				
480-195466-9	LF1	75	74	95	73				
480-195466-10	LF2	68	72	97	75				
LB 480-616935/1-B	Method Blank	60	63	96	68				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)				
480-195466-9	LF1	120	122	101	101				
480-195466-10	LF2	134	130	112	115				
480-195466-10 MS	LF2	135	129	116	114				
480-195466-10 MSD	LF2	150	140	125	126				
LCS 480-616931/2-A	Lab Control Sample	146	149	127	127				
MB 480-616931/1-A	Method Blank	129	120	113	108				

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 8151 - TCLP Herbicides

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(48-132)	(48-132)
LCS 480-617097/2-A	Lab Control Sample	52	56
LCSD 480-617097/3-A	Lab Control Sample Dup	86	83
MB 480-617097/1-A	Method Blank	83	69

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(48-132)	(48-132)
480-195466-9	LF1	51	60
480-195466-10	LF2	65	85
LB 480-616935/1-C	Method Blank	57	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-617050/7
Matrix: Solid
Analysis Batch: 617050

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			03/08/22 10:47	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			03/08/22 10:47	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			03/08/22 10:47	1
Benzene	ND		0.0010	0.00041	mg/L			03/08/22 10:47	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			03/08/22 10:47	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			03/08/22 10:47	1
Chloroform	ND		0.0010	0.00034	mg/L			03/08/22 10:47	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			03/08/22 10:47	1
Trichloroethene	ND		0.0010	0.00046	mg/L			03/08/22 10:47	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			03/08/22 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*03/08/22 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/08/22 10:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/08/22 10:47*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*03/08/22 10:47*	*1*

Lab Sample ID: LCS 480-617050/5
Matrix: Solid
Analysis Batch: 617050

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0217		mg/L		87	66 - 127
1,2-Dichloroethane	0.0250	0.0252		mg/L		101	75 - 120
2-Butanone (MEK)	0.125	0.169		mg/L		135	57 - 140
Benzene	0.0250	0.0236		mg/L		94	71 - 124
Carbon tetrachloride	0.0250	0.0231		mg/L		92	72 - 134
Chlorobenzene	0.0250	0.0236		mg/L		94	80 - 120
Chloroform	0.0250	0.0234		mg/L		94	73 - 127
Tetrachloroethene	0.0250	0.0229		mg/L		92	74 - 122
Trichloroethene	0.0250	0.0238		mg/L		95	74 - 123
Vinyl chloride	0.0250	0.0266		mg/L		107	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: LB 480-616936/1-A
Matrix: Solid
Analysis Batch: 617050

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 17:32	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 17:32	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 17:32	10
Benzene	ND		0.010	0.0041	mg/L			03/08/22 17:32	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-616936/1-A
Matrix: Solid
Analysis Batch: 617050

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 17:32	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 17:32	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 17:32	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			03/08/22 17:32	10
Trichloroethene	ND		0.010	0.0046	mg/L			03/08/22 17:32	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 17:32	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*03/08/22 17:32*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/08/22 17:32*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/08/22 17:32*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/08/22 17:32*	*10*

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

Lab Sample ID: MB 480-616692/2-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
2-Hexanone	ND		500	210	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Acetone	ND		500	410	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Benzene	ND		100	19	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromodichloromethane	ND		100	20	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromoform	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromomethane	ND		100	22	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Carbon disulfide	ND		100	46	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chlorobenzene	ND		100	13	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Dibromochloromethane	ND		100	48	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloroethane	ND		100	21	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloroform	ND		100	69	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloromethane	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1

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

Lab Sample ID: MB 480-616692/2-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Cyclohexane	ND		100	22	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Ethylbenzene	ND		100	29	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Isopropylbenzene	ND		100	15	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methyl acetate	ND		500	48	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methylcyclohexane	ND		100	47	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methylene Chloride	ND		100	20	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Styrene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Tetrachloroethene	ND		100	13	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Toluene	ND		100	27	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Trichloroethene	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Vinyl chloride	ND		100	34	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Xylenes, Total	ND		200	55	ug/Kg		03/03/22 13:14	03/03/22 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*03/03/22 13:14*	*03/03/22 14:13*	*1*

Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2560		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2260		ug/Kg		90	73 - 120
1,1,2-Trichloroethane	2500	2320		ug/Kg		93	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	2500	2560		ug/Kg		102	10 - 179
1,1-Dichloroethane	2500	2300		ug/Kg		92	78 - 121
1,1-Dichloroethene	2500	2390		ug/Kg		96	48 - 133
1,2,4-Trichlorobenzene	2500	2340		ug/Kg		94	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		86	56 - 122
1,2-Dichlorobenzene	2500	2370		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2280		ug/Kg		91	74 - 127
1,2-Dichloropropane	2500	2430		ug/Kg		97	80 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2340		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	11100		ug/Kg		88	54 - 149
2-Hexanone	12500	12400		ug/Kg		99	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	10100		ug/Kg		81	47 - 141

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

Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2510		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2440		ug/Kg		98	71 - 121
Bromoform	2500	2360		ug/Kg		95	48 - 125
Bromomethane	2500	1860		ug/Kg		74	39 - 149
Carbon disulfide	2500	2390		ug/Kg		96	40 - 136
Carbon tetrachloride	2500	2490		ug/Kg		99	54 - 135
Chlorobenzene	2500	2380		ug/Kg		95	76 - 126
Dibromochloromethane	2500	2440		ug/Kg		98	64 - 120
Chloroethane	2500	2300		ug/Kg		92	23 - 150
Chloroform	2500	2280		ug/Kg		91	78 - 120
Chloromethane	2500	2130		ug/Kg		85	61 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2790		ug/Kg		111	75 - 121
Cyclohexane	2500	2640		ug/Kg		105	49 - 129
Dichlorodifluoromethane	2500	2180		ug/Kg		87	10 - 150
Ethylbenzene	2500	2480		ug/Kg		99	78 - 124
1,2-Dibromoethane	2500	2610		ug/Kg		104	80 - 120
Isopropylbenzene	2500	2490		ug/Kg		100	76 - 120
Methyl acetate	5000	4560		ug/Kg		91	71 - 123
Methyl tert-butyl ether	2500	2430		ug/Kg		97	67 - 137
Methylcyclohexane	2500	2800		ug/Kg		112	50 - 130
Methylene Chloride	2500	2350		ug/Kg		94	75 - 118
Styrene	2500	2600		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2490		ug/Kg		100	73 - 133
Toluene	2500	2370		ug/Kg		95	75 - 124
trans-1,2-Dichloroethene	2500	2410		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2980		ug/Kg		119	73 - 120
Trichloroethene	2500	2480		ug/Kg		99	75 - 131
Trichlorofluoromethane	2500	2450		ug/Kg		98	29 - 158
Vinyl chloride	2500	2200		ug/Kg		88	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*50 - 149*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

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

Lab Sample ID: MB 480-617177/1-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		03/08/22 15:04	03/09/22 11:50	1

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

Lab Sample ID: MB 480-617177/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 617260
Prep Batch: 617177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol	ND		0.010	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
4-Methylphenol	ND		0.010	0.00035	mg/L		03/08/22 15:04	03/09/22 11:50	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		03/08/22 15:04	03/09/22 11:50	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		03/08/22 15:04	03/09/22 11:50	1
Pyridine	ND		0.025	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		03/08/22 15:04	03/09/22 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*41 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
2-Fluorophenol	*51*		*35 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
p-Terphenyl-d14	*107*		*60 - 148*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
Phenol-d5	*35*		*22 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*

Lab Sample ID: LCS 480-617177/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 617260
Prep Batch: 617177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0313		mg/L		63	51 - 120
2,4-Dinitrotoluene	0.0500	0.0462		mg/L		92	69 - 120
Hexachlorobenzene	0.0500	0.0455		mg/L		91	61 - 120
Hexachlorobutadiene	0.0500	0.0323		mg/L		65	35 - 120
Hexachloroethane	0.0500	0.0289		mg/L		58	43 - 120
3-Methylphenol	0.0500	0.0303		mg/L		61	39 - 120
2-Methylphenol	0.0500	0.0328		mg/L		66	39 - 120
4-Methylphenol	0.0500	0.0303		mg/L		61	29 - 131
Nitrobenzene	0.0500	0.0404		mg/L		81	53 - 123
Pentachlorophenol	0.100	0.106		mg/L		106	29 - 136
Pyridine	0.100	0.0195	J	mg/L		20	10 - 120
2,4,5-Trichlorophenol	0.0500	0.0441		mg/L		88	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0427		mg/L		85	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*41 - 120*
2-Fluorobiphenyl	*81*		*48 - 120*
2-Fluorophenol	*44*		*35 - 120*
Nitrobenzene-d5	*80*		*46 - 120*
p-Terphenyl-d14	*93*		*60 - 148*
Phenol-d5	*29*		*22 - 120*

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

Lab Sample ID: LCSD 480-617177/3-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0374		mg/L		75	51 - 120	18	36
2,4-Dinitrotoluene	0.0500	0.0542		mg/L		108	69 - 120	16	20
Hexachlorobenzene	0.0500	0.0517		mg/L		103	61 - 120	13	15
Hexachlorobutadiene	0.0500	0.0394		mg/L		79	35 - 120	20	44
Hexachloroethane	0.0500	0.0363		mg/L		73	43 - 120	23	46
3-Methylphenol	0.0500	0.0358		mg/L		72	39 - 120	17	30
2-Methylphenol	0.0500	0.0379		mg/L		76	39 - 120	14	27
4-Methylphenol	0.0500	0.0358		mg/L		72	29 - 131	17	24
Nitrobenzene	0.0500	0.0462		mg/L		92	53 - 123	13	24
Pentachlorophenol	0.100	0.124		mg/L		124	29 - 136	15	37
Pyridine	0.100	0.0268		mg/L		27	10 - 120	31	49
2,4,5-Trichlorophenol	0.0500	0.0519		mg/L		104	65 - 126	16	18
2,4,6-Trichlorophenol	0.0500	0.0497		mg/L		99	64 - 120	15	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*114*		*41 - 120*
2-Fluorobiphenyl	*95*		*48 - 120*
2-Fluorophenol	*50*		*35 - 120*
Nitrobenzene-d5	*92*		*46 - 120*
p-Terphenyl-d14	*103*		*60 - 148*
Phenol-d5	*34*		*22 - 120*

Lab Sample ID: LB 480-616935/1-F
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617177

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 13:03	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 13:03	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 13:03	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 13:03	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 13:03	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*41 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
2-Fluorophenol	*52*		*35 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
Nitrobenzene-d5	*94*		*46 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
p-Terphenyl-d14	*103*		*60 - 148*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
Phenol-d5	*33*		*22 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 480-617051/1-A
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		1.2	0.33	mg/Kg		03/08/22 08:05	03/08/22 09:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*96*		*46 - 156*	*03/08/22 08:05*	*03/08/22 09:12*	*1*

Lab Sample ID: LCS 480-617051/2-A
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617051

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C6-C10)			9.56	8.58		mg/Kg		90	64 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*90*		*46 - 156*

Lab Sample ID: 480-195466-9 MS
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: LF1
Prep Type: Total/NA
Prep Batch: 617051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C6-C10)	1.8		10.9	9.12		mg/Kg	☼	67	41 - 142		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*60*		*46 - 156*

Lab Sample ID: 480-195466-9 MSD
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: LF1
Prep Type: Total/NA
Prep Batch: 617051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C6-C10)	1.8		11.1	9.85		mg/Kg	☼	73	41 - 142	8	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*67*		*46 - 156*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-616939/1-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		16	4.9	mg/Kg		03/07/22 09:00	03/07/22 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*48 - 125*	*03/07/22 09:00*	*03/07/22 13:51*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 480-616939/2-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616939

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			49.6	45.1		mg/Kg		91	63 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*99*		*48 - 125*

Lab Sample ID: LCSD 480-616939/3-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 616939

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			49.1	45.2		mg/Kg		92	63 - 127	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*100*		*48 - 125*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-617096/1-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		03/08/22 09:48	03/09/22 09:41	1
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		03/08/22 09:48	03/09/22 09:41	1
Endrin	ND		0.000050	0.0000035	mg/L		03/08/22 09:48	03/09/22 09:41	1
Heptachlor	ND		0.000050	0.0000021	mg/L		03/08/22 09:48	03/09/22 09:41	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		03/08/22 09:48	03/09/22 09:41	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		03/08/22 09:48	03/09/22 09:41	1
Toxaphene	ND		0.00050	0.000030	mg/L		03/08/22 09:48	03/09/22 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*20 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
DCB Decachlorobiphenyl	*46*		*20 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
Tetrachloro-m-xylene	*85*		*44 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
Tetrachloro-m-xylene	*68*		*44 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*

Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617096

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
gamma-BHC (Lindane)			0.000500	0.000459		mg/L		92	56 - 120		
Endrin			0.000500	0.000534		mg/L		107	65 - 135		
Heptachlor			0.000500	0.000479		mg/L		96	58 - 120		
Heptachlor epoxide			0.000500	0.000554		mg/L		111	65 - 125		
Methoxychlor			0.000500	0.000534		mg/L		107	50 - 150		

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

Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617096

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*49*		*20 - 120*
DCB Decachlorobiphenyl	*51*		*20 - 120*
Tetrachloro-m-xylene	*55*		*44 - 120*
Tetrachloro-m-xylene	*79*		*44 - 120*

Lab Sample ID: LCSD 480-617096/3-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617096

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)			0.000500	0.000456		mg/L		91	56 - 120	1	24
Endrin			0.000500	0.000515		mg/L		103	65 - 135	4	24
Heptachlor			0.000500	0.000499		mg/L		100	58 - 120	4	25
Heptachlor epoxide			0.000500	0.000537		mg/L		107	65 - 125	3	23
Methoxychlor			0.000500	0.000532		mg/L		106	50 - 150	0	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*39*		*20 - 120*
DCB Decachlorobiphenyl	*45*		*20 - 120*
Tetrachloro-m-xylene	*83*		*44 - 120*
Tetrachloro-m-xylene	*76*		*44 - 120*

Lab Sample ID: LB 480-616935/1-B
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617096

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 11:19	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 11:19	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:19	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 11:19	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 11:19	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:19	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 11:19	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:19*	*1*
DCB Decachlorobiphenyl	*63*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:19*	*1*
Tetrachloro-m-xylene	*96*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:19*	*1*
Tetrachloro-m-xylene	*68*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:19*	*1*

QC Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

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

Lab Sample ID: MB 480-616931/1-A
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1221	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1232	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1242	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1248	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1254	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1260	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1262	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1268	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
Tetrachloro-m-xylene	*129*		*60 - 154*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*03/07/22 07:42*	*03/07/22 16:43*	*1*

Lab Sample ID: LCS 480-616931/2-A
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616931

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.05	2.79		mg/Kg		136	51 - 185		
PCB-1260			2.05	2.77		mg/Kg		135	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*149*		*60 - 154*
Tetrachloro-m-xylene	*146*		*60 - 154*
DCB Decachlorobiphenyl	*127*		*65 - 174*
DCB Decachlorobiphenyl	*127*		*65 - 174*

Lab Sample ID: 480-195466-10 MS
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: LF2
Prep Type: Total/NA
Prep Batch: 616931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		2.92	3.38		mg/Kg	☼	116	50 - 177		
PCB-1260	ND		2.92	3.38		mg/Kg	☼	116	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*129*		*60 - 154*
Tetrachloro-m-xylene	*135*		*60 - 154*
DCB Decachlorobiphenyl	*114*		*65 - 174*
DCB Decachlorobiphenyl	*116*		*65 - 174*

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

Lab Sample ID: 480-195466-10 MSD
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: LF2
Prep Type: Total/NA
Prep Batch: 616931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.74	3.72		mg/Kg	☼	136	50 - 177	10	50
PCB-1260	ND		2.74	3.70		mg/Kg	☼	135	33 - 200	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*140*		*60 - 154*
Tetrachloro-m-xylene	*150*		*60 - 154*
DCB Decachlorobiphenyl	*126*		*65 - 174*
DCB Decachlorobiphenyl	*125*		*65 - 174*

Method: 8151 - TCLP Herbicides

Lab Sample ID: MB 480-617097/1-A
Matrix: Solid
Analysis Batch: 617225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		03/08/22 09:52	03/09/22 15:31	1
2,4-D	ND		0.00050	0.00010	mg/L		03/08/22 09:52	03/09/22 15:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*48 - 132*	*03/08/22 09:52*	*03/09/22 15:31*	*1*
2,4-Dichlorophenylacetic acid	*69*		*48 - 132*	*03/08/22 09:52*	*03/09/22 15:31*	*1*

Lab Sample ID: LCS 480-617097/2-A
Matrix: Solid
Analysis Batch: 617225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.00200	0.00115		mg/L		57	49 - 150		
2,4-D			0.00200	0.00125		mg/L		63	36 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*52*		*48 - 132*
2,4-Dichlorophenylacetic acid	*56*		*48 - 132*

Lab Sample ID: LCSD 480-617097/3-A
Matrix: Solid
Analysis Batch: 617225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617097

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			0.00200	0.00165		mg/L		82	49 - 150	36	50
2,4-D			0.00200	0.00159		mg/L		80	36 - 150	24	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*86*		*48 - 132*
2,4-Dichlorophenylacetic acid	*83*		*48 - 132*

Method: 8151 - TCLP Herbicides (Continued)

Lab Sample ID: LB 480-616935/1-C
Matrix: Solid
Analysis Batch: 617225

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617097

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 17:00	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 17:00	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:00*	*1*
2,4-Dichlorophenylacetic acid	*66*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:00*	*1*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-617104/2-A
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:02	1
Barium	ND		1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:02	1
Cadmium	ND		0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:02	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:02	1
Lead	ND		0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:02	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:02	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:02	1

Lab Sample ID: LCS 480-617104/3-A
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	0.943		mg/L		94	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	1.00	1.14		mg/L		114	80 - 120

Lab Sample ID: LB 480-616935/1-D
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617104

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 01:58	1
Barium	ND		1.0	0.10	mg/L		03/08/22 11:10	03/09/22 01:58	1
Cadmium	ND		0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 01:58	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 01:58	1
Lead	ND		0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 01:58	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 01:58	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 01:58	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-617106/2-A
Matrix: Solid
Analysis Batch: 617202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:09	1

Lab Sample ID: LCS 480-617106/3-A
Matrix: Solid
Analysis Batch: 617202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00688		mg/L		103	80 - 120

Lab Sample ID: LB 480-616935/1-E
Matrix: Solid
Analysis Batch: 617202

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617106

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:08	1

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-617220/1
Matrix: Solid
Analysis Batch: 617220

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	79.00		Degrees F		98	97.5 - 102.5

Lab Sample ID: LCS 480-617344/1
Matrix: Solid
Analysis Batch: 617344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-616843/1-A
Matrix: Solid
Analysis Batch: 616868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		03/04/22 13:25	03/04/22 15:18	1

Lab Sample ID: LCS 480-616843/2-A
Matrix: Solid
Analysis Batch: 616868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	271.3		mg/Kg		27	10 - 100

QC Sample Results

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-616847/1-A
Matrix: Solid
Analysis Batch: 616861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Lab Sample ID: LCS 480-616847/2-A
Matrix: Solid
Analysis Batch: 616861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616847

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			1320	641.2		mg/Kg		49	10 - 100		

Method: 9045D - pH

Lab Sample ID: LCS 480-616897/1
Matrix: Solid
Analysis Batch: 616897

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		

Lab Sample ID: 480-195466-9 DU
Matrix: Solid
Analysis Batch: 616897

Client Sample ID: LF1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.8	HF		8.9		SU				0.2	5
Temperature	19.8	HF		19.8		Degrees C				0	10

Qualifiers

GC/MS 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/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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.

General Chemistry

Qualifier	Qualifier Description
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)
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

QC Association Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

GC/MS VOA

Analysis Batch: 616658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-616692/2-A	Method Blank	Total/NA	Solid	8260C	616692
LCS 480-616692/1-A	Lab Control Sample	Total/NA	Solid	8260C	616692

Prep Batch: 616692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	5035A_H	
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	5035A_H	
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	5035A_H	
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	5035A_H	
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	5035A_H	
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	5035A_H	
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	5035A_H	
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	5035A_H	
480-195466-11	LF1	Total/NA	Solid	5035A_H	
MB 480-616692/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-616692/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 616884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	8260C	616692
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	8260C	616692
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	8260C	616692
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	8260C	616692
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	8260C	616692
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	8260C	616692
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	8260C	616692
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	8260C	616692
480-195466-11	LF1	Total/NA	Solid	8260C	616692

Leach Batch: 616936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616936/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 617050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8260C	616936
480-195466-10	LF2	TCLP	Solid	8260C	616936
LB 480-616936/1-A	Method Blank	TCLP	Solid	8260C	616936
MB 480-617050/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-617050/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-F	Method Blank	TCLP	Solid	1311	

QC Association Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

GC/MS Semi VOA

Prep Batch: 617177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3510C	616935
480-195466-10	LF2	TCLP	Solid	3510C	616935
LB 480-616935/1-F	Method Blank	TCLP	Solid	3510C	616935
MB 480-617177/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-617177/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-617177/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 617260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8270D	617177
480-195466-10	LF2	TCLP	Solid	8270D	617177
LB 480-616935/1-F	Method Blank	TCLP	Solid	8270D	617177
MB 480-617177/1-A	Method Blank	Total/NA	Solid	8270D	617177
LCS 480-617177/2-A	Lab Control Sample	Total/NA	Solid	8270D	617177
LCSD 480-617177/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	617177

GC VOA

Prep Batch: 617051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	5035A_H	
480-195466-10	LF2	Total/NA	Solid	5035A_H	
MB 480-617051/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-617051/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-195466-9 MS	LF1	Total/NA	Solid	5035A_H	
480-195466-9 MSD	LF1	Total/NA	Solid	5035A_H	

Analysis Batch: 617059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8015D	617051
480-195466-10	LF2	Total/NA	Solid	8015D	617051
MB 480-617051/1-A	Method Blank	Total/NA	Solid	8015D	617051
LCS 480-617051/2-A	Lab Control Sample	Total/NA	Solid	8015D	617051
480-195466-9 MS	LF1	Total/NA	Solid	8015D	617051
480-195466-9 MSD	LF1	Total/NA	Solid	8015D	617051

GC Semi VOA

Prep Batch: 616931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	3550C	
480-195466-10	LF2	Total/NA	Solid	3550C	
MB 480-616931/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-616931/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-195466-10 MS	LF2	Total/NA	Solid	3550C	
480-195466-10 MSD	LF2	Total/NA	Solid	3550C	

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-B	Method Blank	TCLP	Solid	1311	

GC Semi VOA (Continued)

Leach Batch: 616935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-616935/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 616939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	3550C	
480-195466-10	LF2	Total/NA	Solid	3550C	
MB 480-616939/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-616939/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-616939/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 616986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8015D	616939
480-195466-10	LF2	Total/NA	Solid	8015D	616939
MB 480-616939/1-A	Method Blank	Total/NA	Solid	8015D	616939
LCS 480-616939/2-A	Lab Control Sample	Total/NA	Solid	8015D	616939
LCSD 480-616939/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	616939

Analysis Batch: 617012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8082A	616931
480-195466-10	LF2	Total/NA	Solid	8082A	616931
MB 480-616931/1-A	Method Blank	Total/NA	Solid	8082A	616931
LCS 480-616931/2-A	Lab Control Sample	Total/NA	Solid	8082A	616931
480-195466-10 MS	LF2	Total/NA	Solid	8082A	616931
480-195466-10 MSD	LF2	Total/NA	Solid	8082A	616931

Prep Batch: 617096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3510C	616935
480-195466-10	LF2	TCLP	Solid	3510C	616935
LB 480-616935/1-B	Method Blank	TCLP	Solid	3510C	616935
MB 480-617096/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-617096/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-617096/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 617097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8151A	616935
480-195466-10	LF2	TCLP	Solid	8151A	616935
LB 480-616935/1-C	Method Blank	TCLP	Solid	8151A	616935
MB 480-617097/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-617097/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-617097/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 617225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8151	617097
480-195466-10	LF2	TCLP	Solid	8151	617097
LB 480-616935/1-C	Method Blank	TCLP	Solid	8151	617097
MB 480-617097/1-A	Method Blank	Total/NA	Solid	8151	617097

GC Semi VOA (Continued)

Analysis Batch: 617225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-617097/2-A	Lab Control Sample	Total/NA	Solid	8151	617097
LCSD 480-617097/3-A	Lab Control Sample Dup	Total/NA	Solid	8151	617097

Analysis Batch: 617227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8081B	617096
480-195466-10	LF2	TCLP	Solid	8081B	617096
LB 480-616935/1-B	Method Blank	TCLP	Solid	8081B	617096
MB 480-617096/1-A	Method Blank	Total/NA	Solid	8081B	617096
LCS 480-617096/2-A	Lab Control Sample	Total/NA	Solid	8081B	617096
LCSD 480-617096/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	617096

Metals

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-D	Method Blank	TCLP	Solid	1311	
LB 480-616935/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 617104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3010A	616935
480-195466-10	LF2	TCLP	Solid	3010A	616935
LB 480-616935/1-D	Method Blank	TCLP	Solid	3010A	616935
MB 480-617104/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-617104/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 617106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	7470A	616935
480-195466-10	LF2	TCLP	Solid	7470A	616935
LB 480-616935/1-E	Method Blank	TCLP	Solid	7470A	616935
MB 480-617106/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-617106/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 617202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	7470A	617106
480-195466-10	LF2	TCLP	Solid	7470A	617106
LB 480-616935/1-E	Method Blank	TCLP	Solid	7470A	617106
MB 480-617106/2-A	Method Blank	Total/NA	Solid	7470A	617106
LCS 480-617106/3-A	Lab Control Sample	Total/NA	Solid	7470A	617106

Analysis Batch: 617286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	6010C	617104
480-195466-10	LF2	TCLP	Solid	6010C	617104
LB 480-616935/1-D	Method Blank	TCLP	Solid	6010C	617104
MB 480-617104/2-A	Method Blank	Total/NA	Solid	6010C	617104

Metals (Continued)

Analysis Batch: 617286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-617104/3-A	Lab Control Sample	Total/NA	Solid	6010C	617104

General Chemistry

Analysis Batch: 616748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	Moisture	
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	Moisture	
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	Moisture	
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	Moisture	
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	Moisture	
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	Moisture	
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	Moisture	
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	Moisture	
480-195466-11	LF1	Total/NA	Solid	Moisture	

Prep Batch: 616843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	7.3.3	
480-195466-10	LF2	Total/NA	Solid	7.3.3	
MB 480-616843/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-616843/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 616847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	7.3.4	
480-195466-10	LF2	Total/NA	Solid	7.3.4	
MB 480-616847/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-616847/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 616861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9034	616847
480-195466-10	LF2	Total/NA	Solid	9034	616847
MB 480-616847/1-A	Method Blank	Total/NA	Solid	9034	616847
LCS 480-616847/2-A	Lab Control Sample	Total/NA	Solid	9034	616847

Analysis Batch: 616868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9012	616843
480-195466-10	LF2	Total/NA	Solid	9012	616843
MB 480-616843/1-A	Method Blank	Total/NA	Solid	9012	616843
LCS 480-616843/2-A	Lab Control Sample	Total/NA	Solid	9012	616843

Analysis Batch: 616897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9045D	
480-195466-10	LF2	Total/NA	Solid	9045D	
LCS 480-616897/1	Lab Control Sample	Total/NA	Solid	9045D	
480-195466-9 DU	LF1	Total/NA	Solid	9045D	

QC Association Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

General Chemistry

Analysis Batch: 617204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	Moisture	
480-195466-10	LF2	Total/NA	Solid	Moisture	

Analysis Batch: 617220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	1010A	
LCS 480-617220/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 617344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-10	LF2	Total/NA	Solid	1010A	
LCS 480-617344/1	Lab Control Sample	Total/NA	Solid	1010A	

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1

Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1

Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 00:50	AXK	TAL BUF

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2

Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2

Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 01:12	AXK	TAL BUF

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		4	616884	03/06/22 01:36	AXK	TAL BUF

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:00	AXK	TAL BUF

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5

Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5

Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:23	AXK	TAL BUF

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6

Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6

Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:46	AXK	TAL BUF

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7

Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7

Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		4	616884	03/06/22 03:10	AXK	TAL BUF

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 03:34	AXK	TAL BUF

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			616936	03/07/22 08:34	JMP	TAL BUF
TCLP	Analysis	8260C		10	617050	03/08/22 18:19	OMI	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617177	03/08/22 15:04	CMC	TAL BUF
TCLP	Analysis	8270D		1	617260	03/09/22 13:52	JMM	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617096	03/08/22 09:48	JMP	TAL BUF
TCLP	Analysis	8081B		1	617227	03/09/22 11:58	JLS	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	8151A			617097	03/08/22 09:52	JMP	TAL BUF
TCLP	Analysis	8151		1	617225	03/09/22 17:59	MAN	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3010A			617104	03/08/22 11:10	KMP	TAL BUF
TCLP	Analysis	6010C		1	617286	03/09/22 02:13	LMH	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	7470A			617106	03/08/22 11:29	BMB	TAL BUF
TCLP	Analysis	7470A		1	617202	03/08/22 15:16	BMB	TAL BUF
Total/NA	Analysis	1010A		1	617220	03/08/22 18:32	EJL	TAL BUF
Total/NA	Prep	7.3.3			616843	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9012		1	616868	03/04/22 15:26	JGO	TAL BUF
Total/NA	Prep	7.3.4			616847	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9034		1	616861	03/04/22 14:51	JGO	TAL BUF
Total/NA	Analysis	9045D		1	616897	03/05/22 17:40	CSS	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	617204	03/08/22 16:35	JMM	TAL BUF

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			617051	03/08/22 08:05	JLS	TAL BUF
Total/NA	Analysis	8015D		1	617059	03/08/22 10:38	JLS	TAL BUF
Total/NA	Prep	3550C			616939	03/07/22 09:00	VXF	TAL BUF
Total/NA	Analysis	8015D		1	616986	03/07/22 12:39	MAN	TAL BUF
Total/NA	Prep	3550C			616931	03/07/22 07:42	VXF	TAL BUF
Total/NA	Analysis	8082A		1	617012	03/07/22 18:03	NC	TAL BUF

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			616936	03/07/22 08:34	JMP	TAL BUF
TCLP	Analysis	8260C		10	617050	03/08/22 18:42	OMI	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617177	03/08/22 15:04	CMC	TAL BUF
TCLP	Analysis	8270D		1	617260	03/09/22 14:16	JMM	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617096	03/08/22 09:48	JMP	TAL BUF
TCLP	Analysis	8081B		1	617227	03/09/22 12:18	JLS	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	8151A			617097	03/08/22 09:52	JMP	TAL BUF
TCLP	Analysis	8151		1	617225	03/09/22 18:28	MAN	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3010A			617104	03/08/22 11:10	KMP	TAL BUF
TCLP	Analysis	6010C		1	617286	03/09/22 02:17	LMH	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	7470A			617106	03/08/22 11:29	BMB	TAL BUF
TCLP	Analysis	7470A		1	617202	03/08/22 15:17	BMB	TAL BUF
Total/NA	Analysis	1010A		1	617344	03/09/22 16:08	EJL	TAL BUF
Total/NA	Prep	7.3.3			616843	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9012		1	616868	03/04/22 15:27	JGO	TAL BUF
Total/NA	Prep	7.3.4			616847	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9034		1	616861	03/04/22 14:51	JGO	TAL BUF
Total/NA	Analysis	9045D		1	616897	03/05/22 17:40	CSS	TAL BUF
Total/NA	Analysis	Moisture		1	617204	03/08/22 16:35	JMM	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			617051	03/08/22 08:05	JLS	TAL BUF
Total/NA	Analysis	8015D		1	617059	03/08/22 11:15	JLS	TAL BUF
Total/NA	Prep	3550C			616939	03/07/22 09:00	VXF	TAL BUF
Total/NA	Analysis	8015D		1	616986	03/07/22 13:15	MAN	TAL BUF
Total/NA	Prep	3550C			616931	03/07/22 07:42	VXF	TAL BUF
Total/NA	Analysis	8082A		1	617012	03/07/22 17:37	NC	TAL BUF

Client Sample ID: LF1
Lab Sample ID: 480-195466-11

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: LF1
Lab Sample ID: 480-195466-11

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 03:58	AXK	TAL BUF

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB201 (1.8-2.3)	480-195466-1	92	98	95	96
SB201 (6-6.5)	480-195466-2	92	100	98	94
SB202 (2-2.5)	480-195466-3	89	95	91	92
SB202 (6-6.5)	480-195466-4	91	97	94	92
SB203 (2-2.5)	480-195466-5	87	97	96	95
SB203 (5-5.5)	480-195466-6	83	95	98	98
SB204 (2.75-3.2)	480-195466-7	89	99	96	96
SB204 (5.5-6.0)	480-195466-8	89	100	97	95
LF1	480-195466-11	84	95	97	93
	MB 480-616692/2-A	91	98	95	95
	LCS 480-616692/1-A	96	96	97	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF1	480-195466-9	109	102	91	97
LF2	480-195466-10	103	102	91	100
	MB 480-617050/7	98	93	86	96
	LB 480-616936/1-A	110	104	88	99
	LCS 480-617050/5	102	97	89	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S8716.D

Lab ID: LCS 480-616692/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2500	2560	102	68-130	
1,1,2,2-Tetrachloroethane	2500	2260	90	73-120	
1,1,2-Trichloroethane	2500	2320	93	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2560	102	10-179	
1,1-Dichloroethane	2500	2300	92	78-121	
1,1-Dichloroethene	2500	2390	96	48-133	
1,2,4-Trichlorobenzene	2500	2340	94	70-140	
1,2-Dibromo-3-Chloropropane	2500	2160	86	56-122	
1,2-Dichlorobenzene	2500	2370	95	78-125	
1,2-Dichloroethane	2500	2280	91	74-127	
1,2-Dichloropropane	2500	2430	97	80-120	
1,3-Dichlorobenzene	2500	2380	95	80-120	
1,4-Dichlorobenzene	2500	2340	94	80-120	
2-Butanone (MEK)	12500	11100	88	54-149	
2-Hexanone	12500	12400	99	59-127	
4-Methyl-2-pentanone (MIBK)	12500	11400	91	74-120	
Acetone	12500	10100	81	47-141	
Benzene	2500	2510	100	77-125	
Bromodichloromethane	2500	2440	98	71-121	
Bromoform	2500	2360	95	48-125	
Bromomethane	2500	1860	74	39-149	
Carbon disulfide	2500	2390	96	40-136	
Carbon tetrachloride	2500	2490	99	54-135	
Chlorobenzene	2500	2380	95	76-126	
Dibromochloromethane	2500	2440	98	64-120	
Chloroethane	2500	2300	92	23-150	
Chloroform	2500	2280	91	78-120	
Chloromethane	2500	2130	85	61-124	
cis-1,2-Dichloroethene	2500	2420	97	79-124	
cis-1,3-Dichloropropene	2500	2790	111	75-121	
Cyclohexane	2500	2640	105	49-129	
Dichlorodifluoromethane	2500	2180	87	10-150	
Ethylbenzene	2500	2480	99	78-124	
1,2-Dibromoethane	2500	2610	104	80-120	
Isopropylbenzene	2500	2490	100	76-120	
Methyl acetate	5000	4560	91	71-123	
Methyl tert-butyl ether	2500	2430	97	67-137	
Methylcyclohexane	2500	2800	112	50-130	
Methylene Chloride	2500	2350	94	75-118	
Styrene	2500	2600	104	80-120	
Tetrachloroethene	2500	2490	100	73-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S8716.D

Lab ID: LCS 480-616692/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	2500	2370	95	75-124	
trans-1,2-Dichloroethene	2500	2410	97	74-129	
trans-1,3-Dichloropropene	2500	2980	119	73-120	
Trichloroethene	2500	2480	99	75-131	
Trichlorofluoromethane	2500	2450	98	29-158	
Vinyl chloride	2500	2200	88	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N1981.D

Lab ID: LCS 480-617050/5 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.0250	0.0217	87	66-127	
1,2-Dichloroethane	0.0250	0.0252	101	75-120	
2-Butanone (MEK)	0.125	0.169	135	57-140	
Benzene	0.0250	0.0236	94	71-124	
Carbon tetrachloride	0.0250	0.0231	92	72-134	
Chlorobenzene	0.0250	0.0236	94	80-120	
Chloroform	0.0250	0.0234	94	73-127	
Tetrachloroethene	0.0250	0.0229	92	74-122	
Trichloroethene	0.0250	0.0238	95	74-123	
Vinyl chloride	0.0250	0.0266	107	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: S8718.D Lab Sample ID: MB 480-616692/2-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 03/03/2022 14:13

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-616692/1-A	S8716.D	03/03/2022 13:26
SB201 (1.8-2.3)	480-195466-1	S8819.D	03/06/2022 00:50
SB201 (6-6.5)	480-195466-2	S8820.D	03/06/2022 01:12
SB202 (2-2.5)	480-195466-3	S8821.D	03/06/2022 01:36
SB202 (6-6.5)	480-195466-4	S8822.D	03/06/2022 02:00
SB203 (2-2.5)	480-195466-5	S8823.D	03/06/2022 02:23
SB203 (5-5.5)	480-195466-6	S8824.D	03/06/2022 02:46
SB204 (2.75-3.2)	480-195466-7	S8825.D	03/06/2022 03:10
SB204 (5.5-6.0)	480-195466-8	S8826.D	03/06/2022 03:34
LF1	480-195466-11	S8827.D	03/06/2022 03:58

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: N1983.D Lab Sample ID: MB 480-617050/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973N Date Analyzed: 03/08/2022 10:47

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-617050/5	N1981.D	03/08/2022 10:01
	LB 480-616936/1-A	N2000.D	03/08/2022 17:32
LF1	480-195466-9	N2002.D	03/08/2022 18:19
LF2	480-195466-10	N2003.D	03/08/2022 18:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: N1303.D BFB Injection Date: 02/03/2022

Instrument ID: HP5973N BFB Injection Time: 14:38

Analysis Batch No.: 613702

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.3	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.7	
175	5.0 - 9.0 % of mass 174	6.8	(8.3) 1
176	95.0 - 101.0 % of mass 174	80.5	(98.5) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-613702/9	N1306.D	02/03/2022	15:52
	IC 480-613702/10	N1307.D	02/03/2022	16:15
	IC 480-613702/11	N1308.D	02/03/2022	16:38
	IC 480-613702/12	N1309.D	02/03/2022	17:01
	IC 480-613702/13	N1310.D	02/03/2022	17:24
	ICIS 480-613702/14	N1311.D	02/03/2022	17:47
	IC 480-613702/15	N1312.D	02/03/2022	18:10
	IC 480-613702/16	N1313.D	02/03/2022	18:34
	ICV 480-613702/30	N1327.D	02/03/2022	23:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: N1978.D BFB Injection Date: 03/08/2022

Instrument ID: HP5973N BFB Injection Time: 08:47

Analysis Batch No.: 617050

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.9	
75	30.0 - 60.0 % of mass 95	50.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	80.3	
175	5.0 - 9.0 % of mass 174	6.5	(8.0) 1
176	95.0 - 101.0 % of mass 174	80.5	(100.2) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-617050/3	N1979.D	03/08/2022	9:15
	LCS 480-617050/5	N1981.D	03/08/2022	10:01
	MB 480-617050/7	N1983.D	03/08/2022	10:47
	LB 480-616936/1-A	N2000.D	03/08/2022	17:32
LF1	480-195466-9	N2002.D	03/08/2022	18:19
LF2	480-195466-10	N2003.D	03/08/2022	18:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: S8644.D BFB Injection Date: 02/24/2022

Instrument ID: HP5973S BFB Injection Time: 18:24

Analysis Batch No.: 616002

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	51.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.5	(0.5) 1
174	Greater than 50% of mass 95	90.1	
175	5.0 - 9.0 % of mass 174	6.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	85.7	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-616002/13	S8646.D	02/24/2022	19:14
	IC 480-616002/14	S8647.D	02/24/2022	19:38
	IC 480-616002/15	S8648.D	02/24/2022	20:01
	IC 480-616002/16	S8649.D	02/24/2022	20:24
	IC 480-616002/17	S8650.D	02/24/2022	20:47
	ICIS 480-616002/18	S8651.D	02/24/2022	21:10
	IC 480-616002/19	S8652.D	02/24/2022	21:33
	IC 480-616002/20	S8653.D	02/24/2022	21:56
	ICV 480-616002/34	S8667.D	02/25/2022	3:24

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: S8712.D BFB Injection Date: 03/03/2022

Instrument ID: HP5973S BFB Injection Time: 11:33

Analysis Batch No.: 616658

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.0	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	92.9	
175	5.0 - 9.0 % of mass 174	6.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	90.7	(97.5) 1
177	5.0 - 9.0 % of mass 176	6.1	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-616658/4	S8713.D	03/03/2022	12:02
	LCS 480-616692/1-A	S8716.D	03/03/2022	13:26
	MB 480-616692/2-A	S8718.D	03/03/2022	14:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: S8813.D BFB Injection Date: 03/05/2022

Instrument ID: HP5973S BFB Injection Time: 22:30

Analysis Batch No.: 616884

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.4	
75	30.0 - 60.0 % of mass 95	50.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	92.2	
175	5.0 - 9.0 % of mass 174	7.2	(7.8) 1
176	95.0 - 101.0 % of mass 174	88.4	(95.9) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.3) 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 480-616884/4	S8814.D	03/05/2022	22:53
SB201 (1.8-2.3)	480-195466-1	S8819.D	03/06/2022	0:50
SB201 (6-6.5)	480-195466-2	S8820.D	03/06/2022	1:12
SB202 (2-2.5)	480-195466-3	S8821.D	03/06/2022	1:36
SB202 (6-6.5)	480-195466-4	S8822.D	03/06/2022	2:00
SB203 (2-2.5)	480-195466-5	S8823.D	03/06/2022	2:23
SB203 (5-5.5)	480-195466-6	S8824.D	03/06/2022	2:46
SB204 (2.75-3.2)	480-195466-7	S8825.D	03/06/2022	3:10
SB204 (5.5-6.0)	480-195466-8	S8826.D	03/06/2022	3:34
LF1	480-195466-11	S8827.D	03/06/2022	3:58

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-613702/14 Date Analyzed: 02/03/2022 17:47

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N1311.D Heated Purge: (Y/N) N

Calibration ID: 43039

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		196931	5.34	726327	8.32	350685	10.72
UPPER LIMIT		393862	5.84	1452654	8.82	701370	11.22
LOWER LIMIT		98466	4.84	363164	7.82	175343	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-613702/30		184935	5.34	695744	8.32	323005	10.72
CCVIS 480-617050/3		189380	5.33	720815	8.32	346633	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617050/3 Date Analyzed: 03/08/2022 09:15

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N1979.D Heated Purge: (Y/N) N

Calibration ID: 43041

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		189380	5.33	720815	8.32	346633	10.72
UPPER LIMIT		378760	5.83	1441630	8.82	693266	11.22
LOWER LIMIT		94690	4.83	360408	7.82	173317	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-617050/5		185652	5.34	699715	8.32	343914	10.72
MB 480-617050/7		181900	5.33	690996	8.32	341055	10.72
LB 480-616936/1-A		153984	5.34	613507	8.32	293625	10.72
480-195466-9	LF1	158945	5.34	601280	8.32	289157	10.72
480-195466-10	LF2	163058	5.33	628046	8.32	302920	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-616002/18 Date Analyzed: 02/24/2022 21:10

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S8651.D Heated Purge: (Y/N) N

Calibration ID: 43179

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		194975	4.87	368792	7.82	401403	10.26
UPPER LIMIT		389950	5.37	737584	8.32	802806	10.76
LOWER LIMIT		97488	4.37	184396	7.32	200702	9.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-616002/34		198855	4.87	398143	7.82	434572	10.26
CCVIS 480-616658/4		199783	4.87	404566	7.82	467806	10.26

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-616658/4 Date Analyzed: 03/03/2022 12:02

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S8713.D Heated Purge: (Y/N) N

Calibration ID: 43182

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		199783	4.87	404566	7.82	467806	10.26
UPPER LIMIT		399566	5.37	809132	8.32	935612	10.76
LOWER LIMIT		99892	4.37	202283	7.32	233903	9.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-616692/1-A		202672	4.86	427208	7.82	458216	10.26
MB 480-616692/2-A		194949	4.87	393181	7.82	407485	10.26

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-616884/4 Date Analyzed: 03/05/2022 22:53

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S8814.D Heated Purge: (Y/N) N

Calibration ID: 43182

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		182117	4.87	359069	7.82	401587	10.26
UPPER LIMIT		364234	5.37	718138	8.32	803174	10.76
LOWER LIMIT		91059	4.37	179535	7.32	200794	9.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-195466-1	SB201 (1.8-2.3)	188894	4.87	396179	7.82	417978	10.26
480-195466-2	SB201 (6-6.5)	184164	4.87	359545	7.82	367784	10.26
480-195466-3	SB202 (2-2.5)	189357	4.87	385792	7.82	399464	10.26
480-195466-4	SB202 (6-6.5)	180880	4.87	347419	7.82	357164	10.26
480-195466-5	SB203 (2-2.5)	187682	4.87	378092	7.82	394456	10.26
480-195466-6	SB203 (5-5.5)	194324	4.87	373569	7.82	397851	10.26
480-195466-7	SB204 (2.75-3.2)	187653	4.87	381421	7.82	394502	10.26
480-195466-8	SB204 (5.5-6.0)	187501	4.86	362994	7.82	388375	10.26
480-195466-11	LF1	192854	4.87	384420	7.82	399842	10.26

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB201 (1.8-2.3) | Lab Sample ID: 480-195466-1

Matrix: Solid | Lab File ID: S8819.D

Analysis Method: 8260C | Date Collected: 03/02/2022 09:55

Sample wt/vol: 4.427(g) | Date Analyzed: 03/06/2022 00:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 23.7 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		89	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		89	15
79-00-5	1,1,2-Trichloroethane	ND		89	19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		89	45
75-34-3	1,1-Dichloroethane	ND		89	28
75-35-4	1,1-Dichloroethene	ND		89	31
120-82-1	1,2,4-Trichlorobenzene	ND		89	34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		89	45
95-50-1	1,2-Dichlorobenzene	ND		89	23
107-06-2	1,2-Dichloroethane	ND		89	37
78-87-5	1,2-Dichloropropane	ND		89	14
541-73-1	1,3-Dichlorobenzene	ND		89	24
106-46-7	1,4-Dichlorobenzene	ND		89	13
78-93-3	2-Butanone (MEK)	ND		450	270
591-78-6	2-Hexanone	ND		450	180
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		450	29
67-64-1	Acetone	370	J	450	370
71-43-2	Benzene	ND		89	17
75-27-4	Bromodichloromethane	ND		89	18
75-25-2	Bromoform	ND		89	45
74-83-9	Bromomethane	ND		89	20
75-15-0	Carbon disulfide	ND		89	41
56-23-5	Carbon tetrachloride	ND		89	23
108-90-7	Chlorobenzene	ND		89	12
124-48-1	Dibromochloromethane	ND		89	43
75-00-3	Chloroethane	ND		89	19
67-66-3	Chloroform	ND		89	61
74-87-3	Chloromethane	ND		89	21
156-59-2	cis-1,2-Dichloroethene	ND		89	25
10061-01-5	cis-1,3-Dichloropropene	ND		89	21
110-82-7	Cyclohexane	95		89	20
75-71-8	Dichlorodifluoromethane	ND		89	39
100-41-4	Ethylbenzene	ND		89	26
106-93-4	1,2-Dibromoethane	ND		89	16
98-82-8	Isopropylbenzene	ND		89	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1
Matrix: Solid
Lab File ID: S8819.D
Analysis Method: 8260C
Date Collected: 03/02/2022 09:55
Sample wt/vol: 4.427(g)
Date Analyzed: 03/06/2022 00:50
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 5(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 23.7
Level: (low/med) Medium
Analysis Batch No.: 616884
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		450	43
1634-04-4	Methyl tert-butyl ether	ND		89	34
108-87-2	Methylcyclohexane	300		89	42
75-09-2	Methylene Chloride	ND		89	18
100-42-5	Styrene	ND		89	22
127-18-4	Tetrachloroethene	1800		89	12
108-88-3	Toluene	ND		89	24
156-60-5	trans-1,2-Dichloroethene	ND		89	21
10061-02-6	trans-1,3-Dichloropropene	ND		89	8.8
79-01-6	Trichloroethene	ND		89	25
75-69-4	Trichlorofluoromethane	ND		89	42
75-01-4	Vinyl chloride	ND		89	30
1330-20-7	Xylenes, Total	ND		180	50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
1868-53-7	Dibromofluoromethane (Surr)	92		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D
Lims ID: 480-195466-B-1-A
Client ID: SB201 (1.8-2.3)
Sample Type: Client
Inject. Date: 06-Mar-2022 00:50:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0104224-009
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:12:09 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:12:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	188894	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	85	396179	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.264	10.263	0.001	94	417978	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.302	0.000	57	246943	23.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	92	167922	24.4	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	93	992492	23.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	94	318533	23.9	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43	2.324	2.312	0.012	82	29504	4.18	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96		2.890				ND	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96		3.839				ND	
43 2-Butanone (MEK)	43	3.894	3.894	0.012	92	17521	1.96	a
50 Chloroform	83	4.150	4.149	0.001	22	3390	0.1382	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56	4.229	4.247	-0.018	74	26183	1.06	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95		5.202				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.305	5.305	0.000	95	73689	3.40	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	U
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	97	323529	19.9	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	75	4695	0.1918	
91 o-Xylene	106	8.499	8.493	0.006	48	2570	0.1045	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1				0		0.2963	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

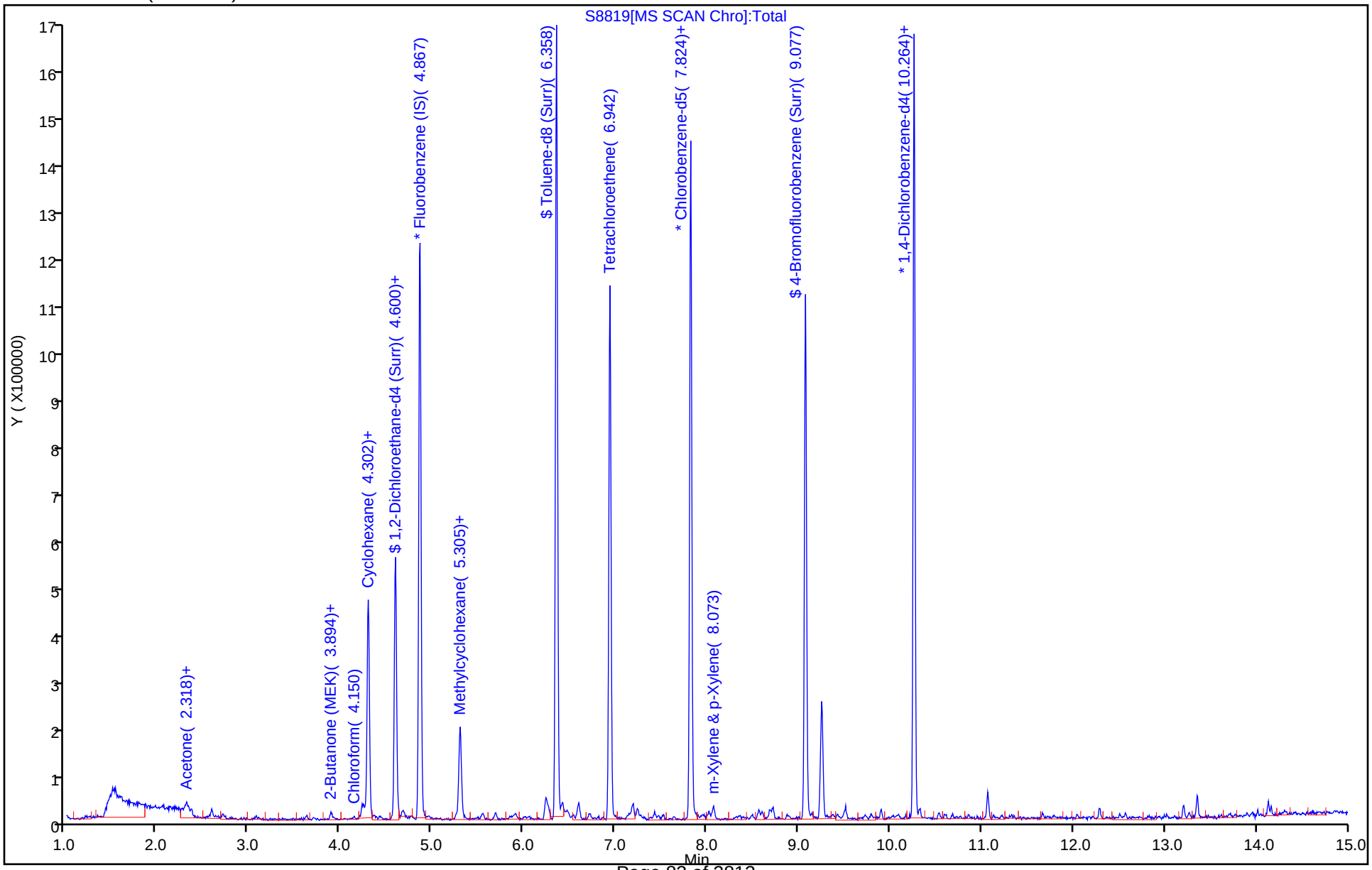
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:12:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1	Worklist Smp#:	9
Client ID:	SB201 (1.8-2.3)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Lims ID:	480-195466-B-1-A				
Client ID:	SB201 (1.8-2.3)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 00:50:30	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB				
Misc. Info.:	480-0104224-009				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:12:09	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:12:09

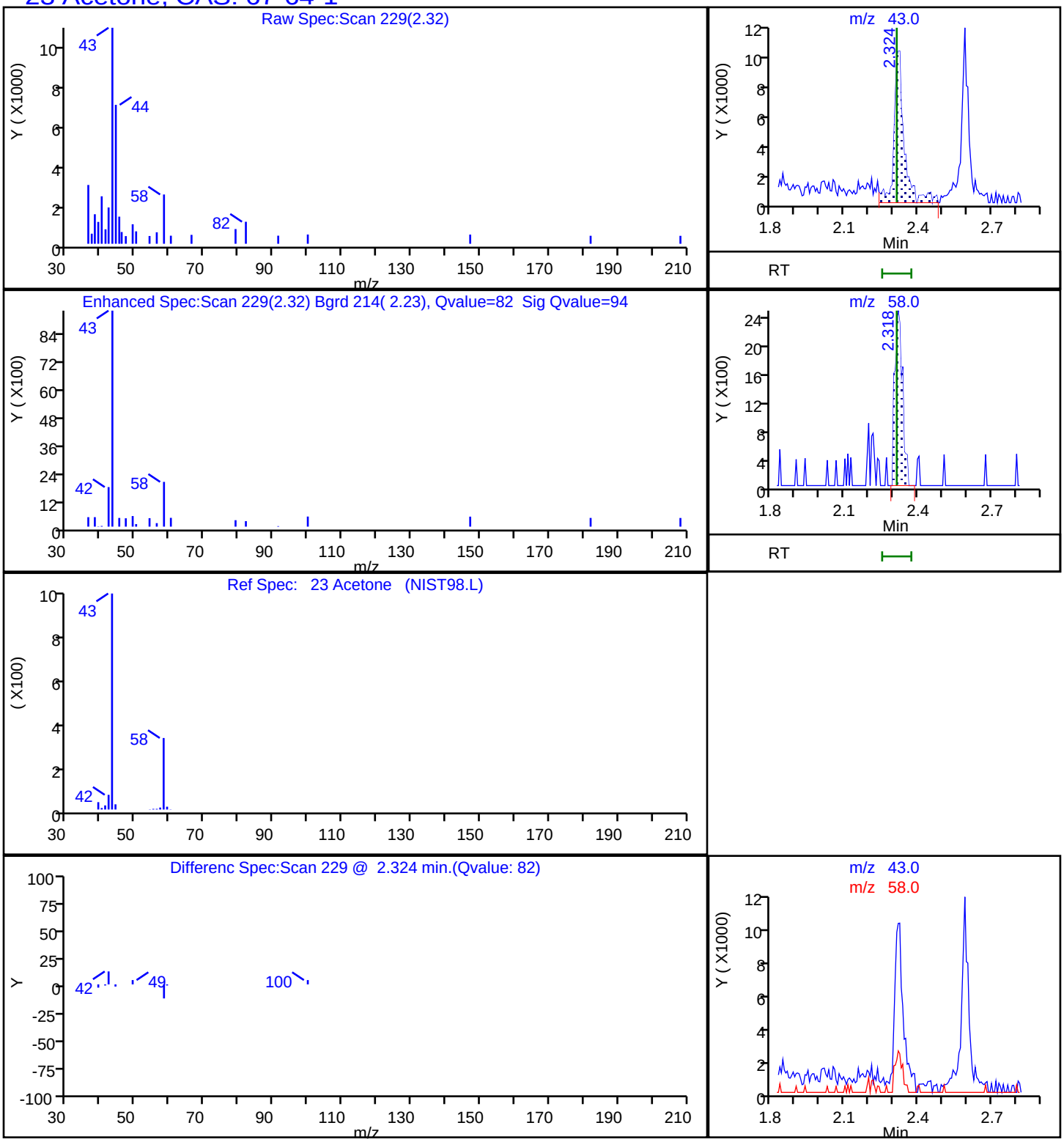
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.1	92.40
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.61
$ 5 Toluene-d8 (Surr)	25.0	23.8	95.07
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.9	95.71

Report Date: 07-Mar-2022 11:12:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

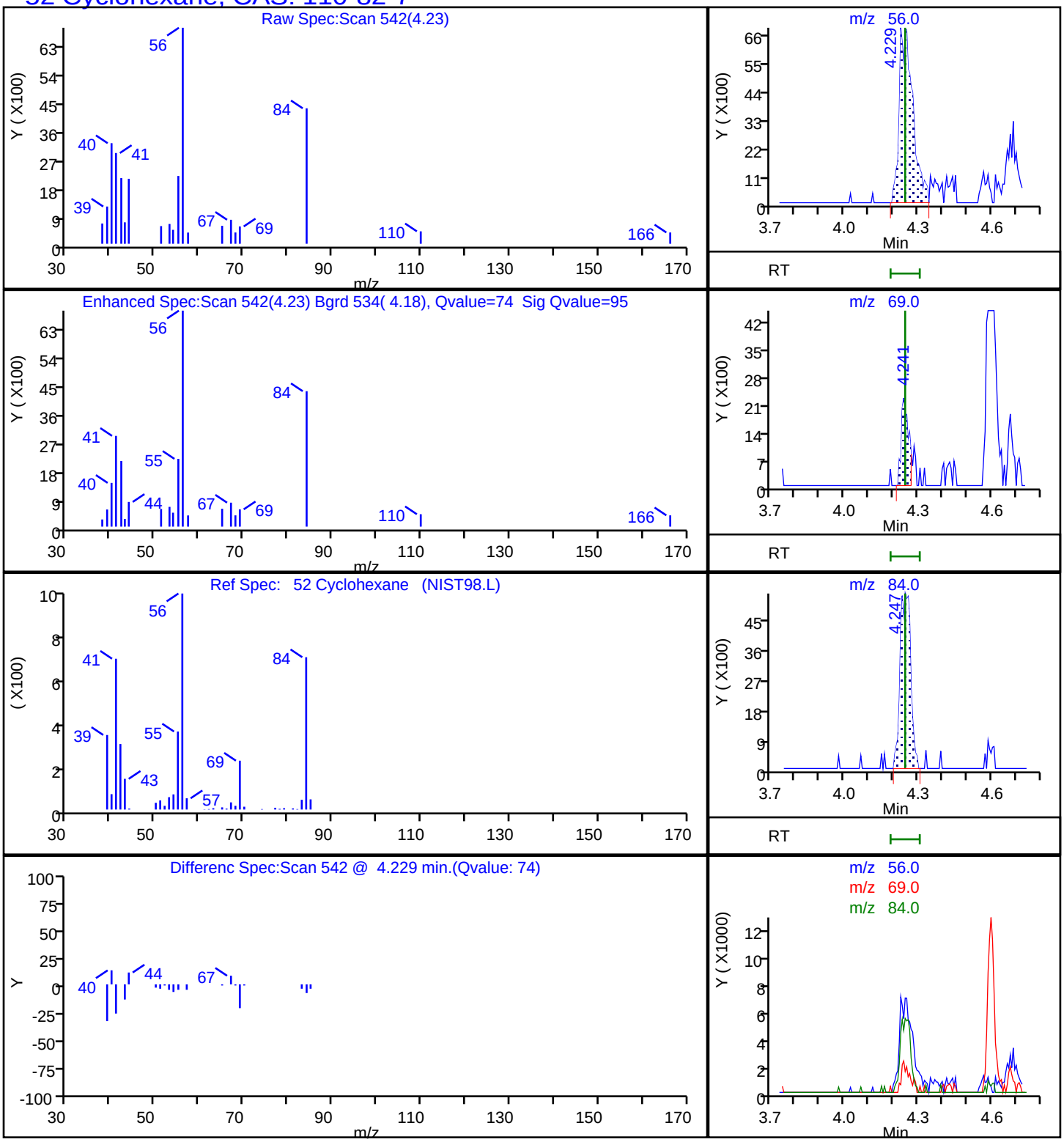


Report Date: 07-Mar-2022 11:12:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

52 Cyclohexane, CAS: 110-82-7

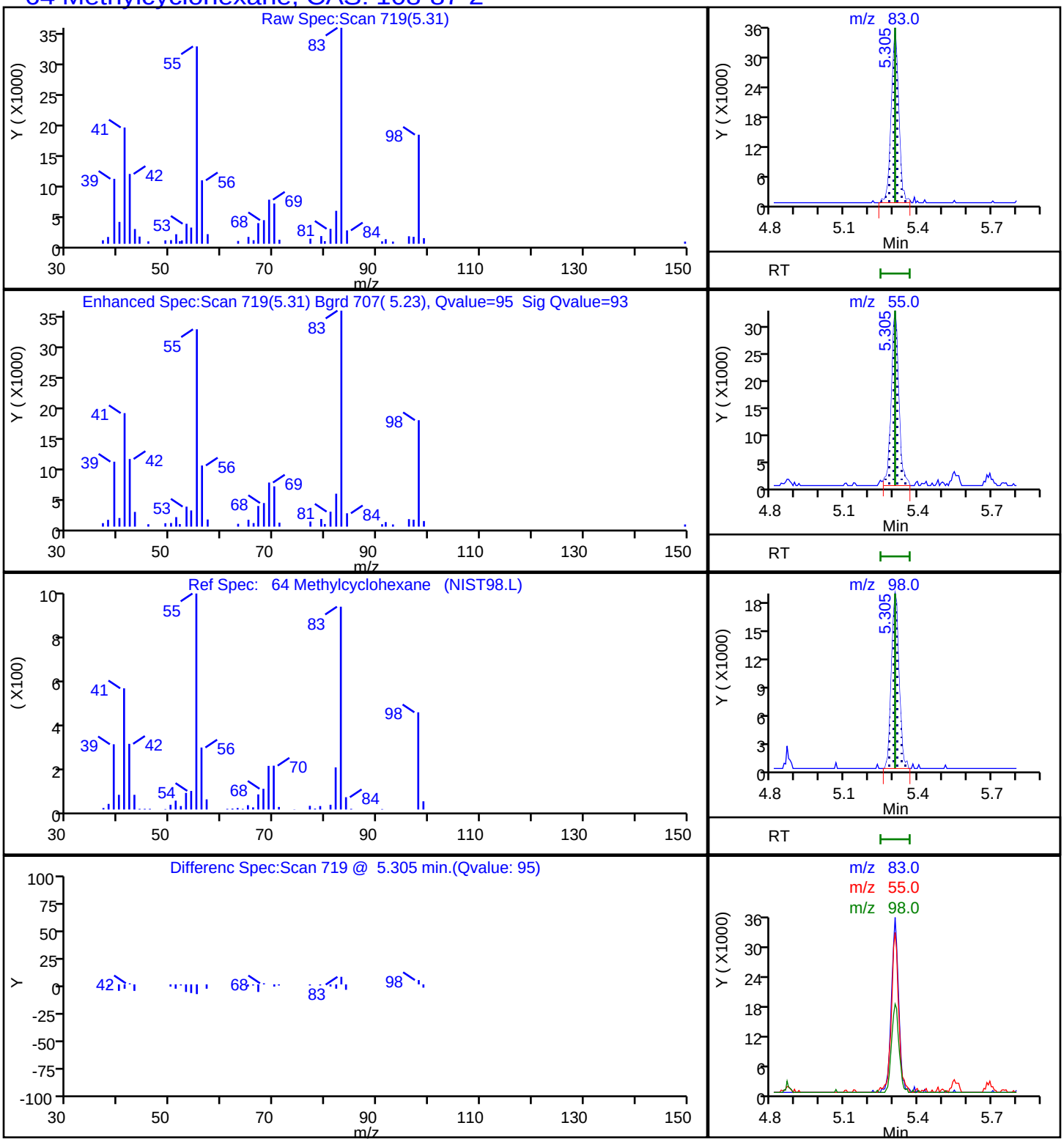


Report Date: 07-Mar-2022 11:12:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

64 Methylcyclohexane, CAS: 108-87-2

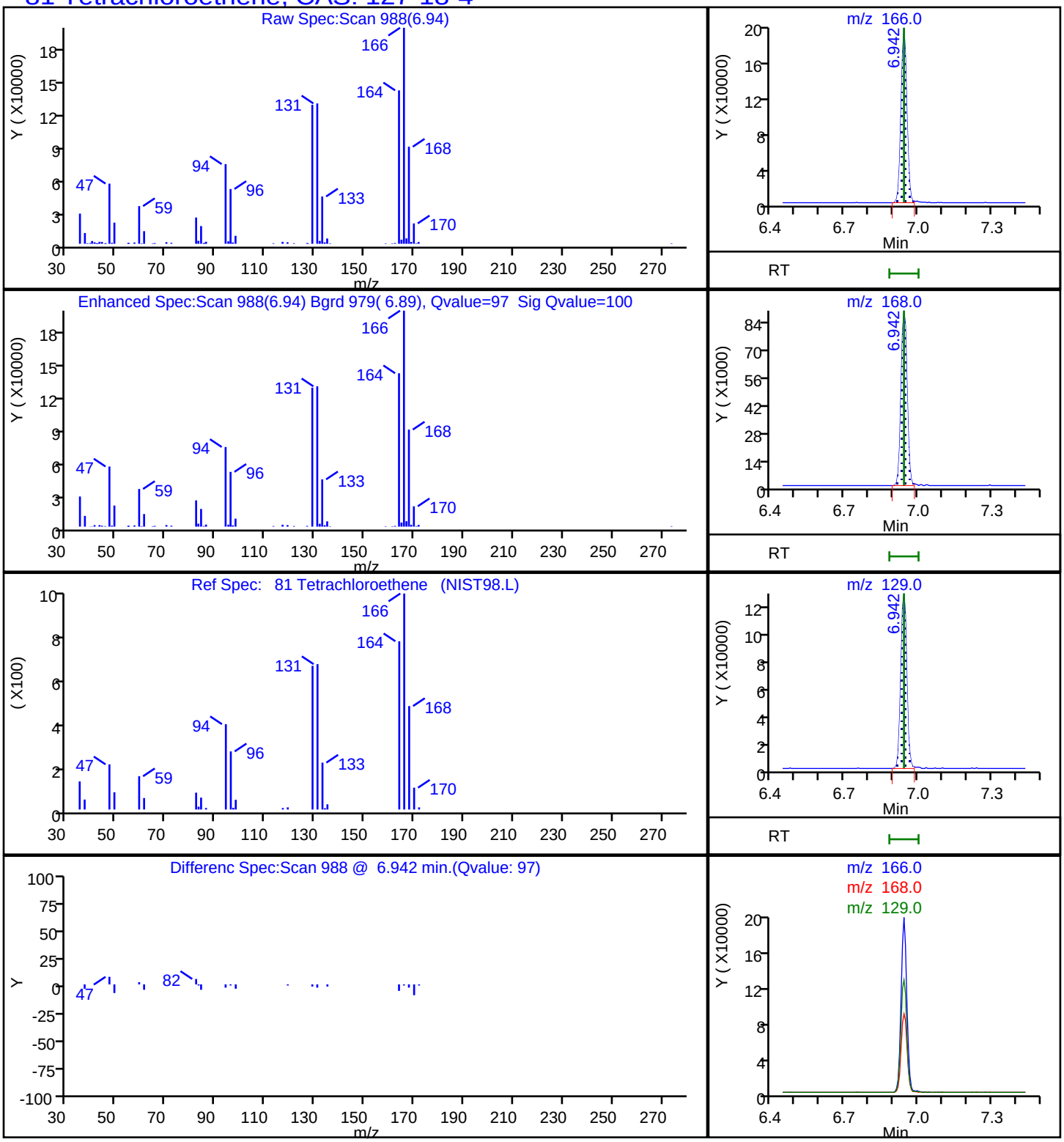


Report Date: 07-Mar-2022 11:12:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



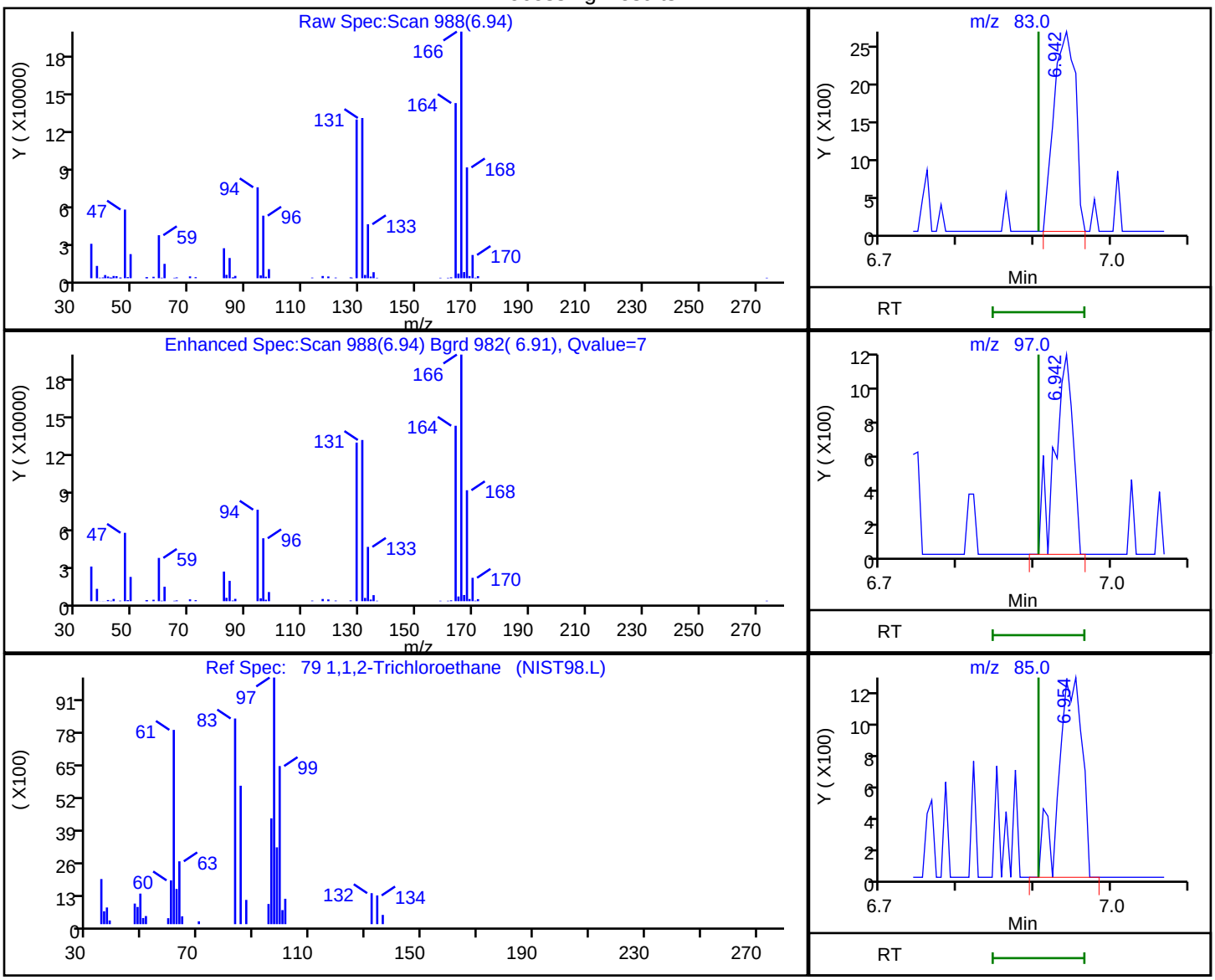
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	5260	0.513808
6.94	97.00	1955	
6.95	85.00	2608	

Reviewer: kiwana, 07-Mar-2022 11:11:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

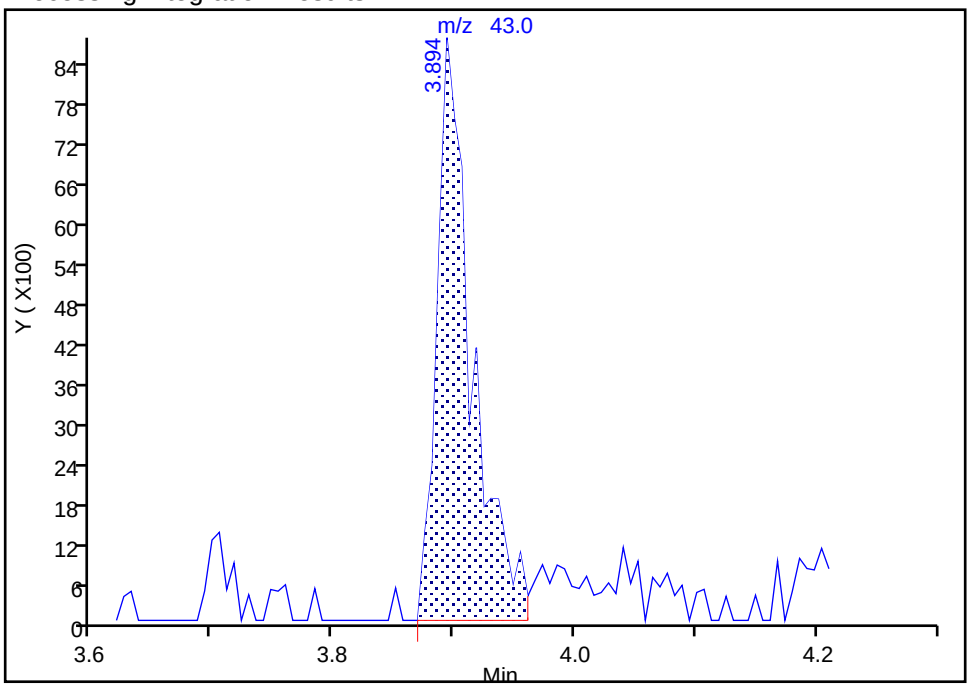
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

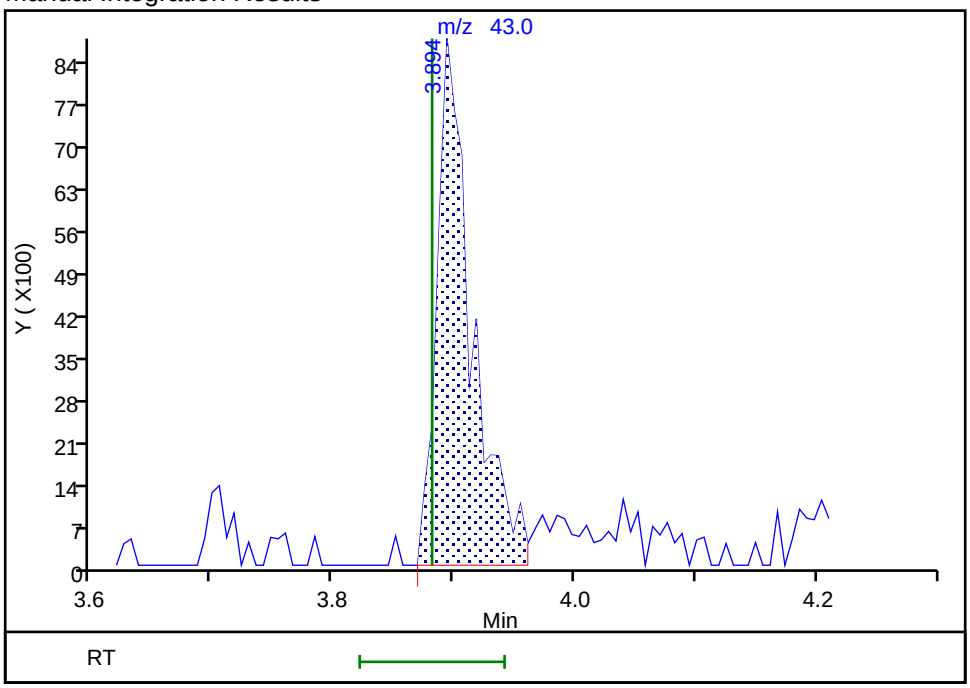
Processing Integration Results

RT: 3.89
Area: 17521
Amount: 1.956894
Amount Units: ug/L



Manual Integration Results

RT: 3.89
Area: 17521
Amount: 1.956894
Amount Units: ug/L



Reviewer: kiwana, 07-Mar-2022 11:11:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

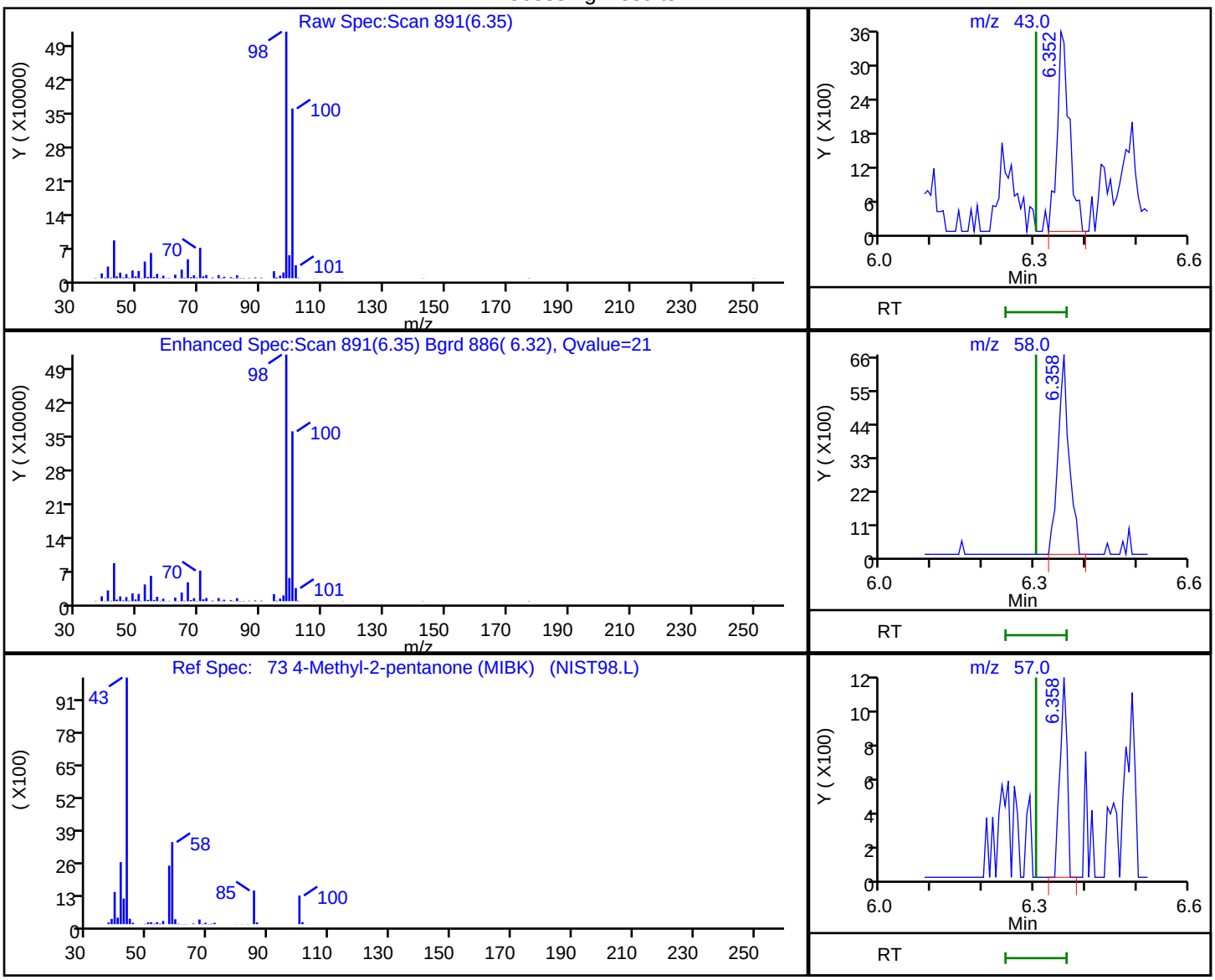
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.35	43.00	5874	0.317930
6.36	58.00	9875	
6.36	57.00	1147	

Reviewer: kiwana, 07-Mar-2022 11:11:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

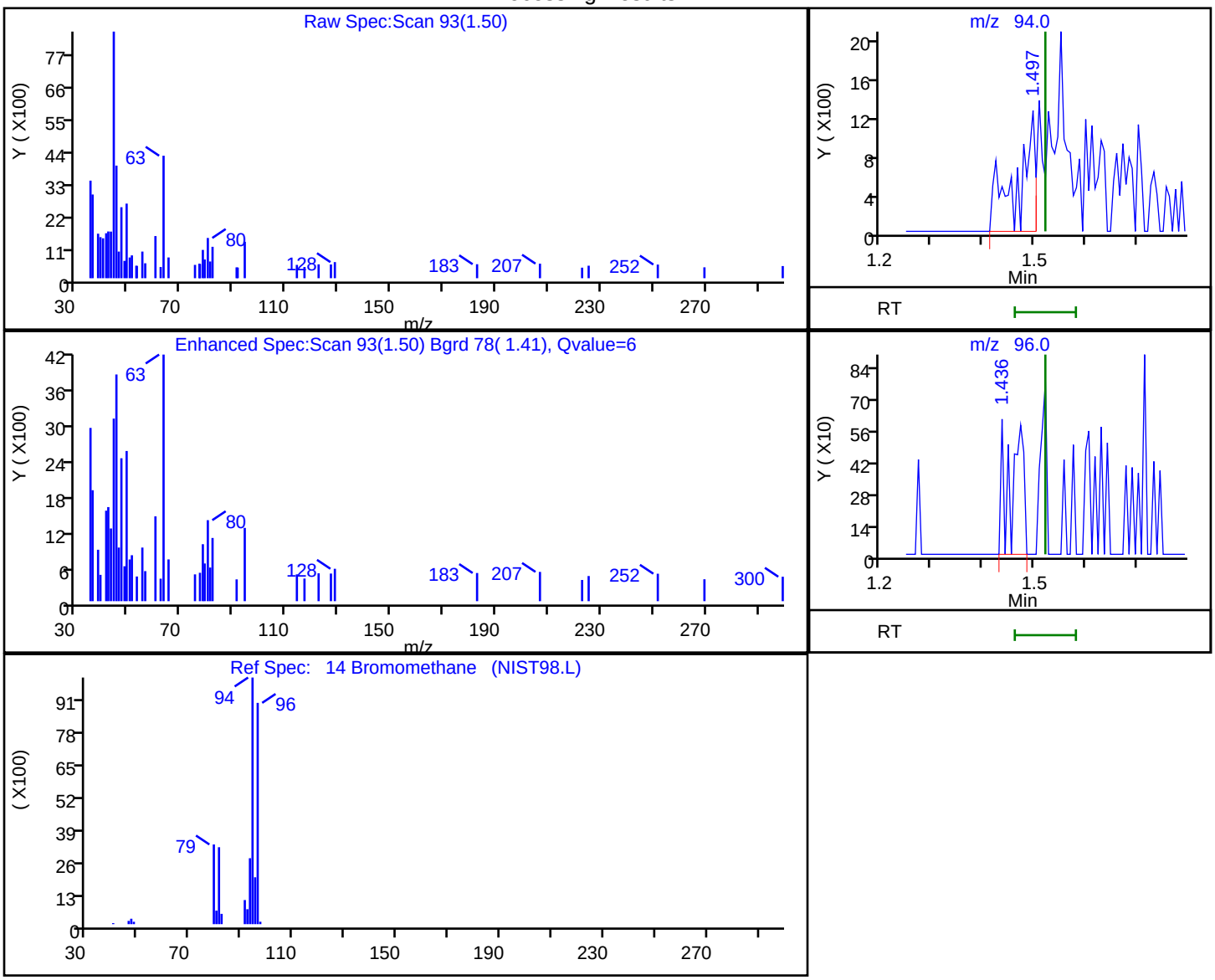
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8819.D				
Injection Date:	06-Mar-2022 00:50:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-1-A	Lab Sample ID:	480-195466-1		
Client ID:	SB201 (1.8-2.3)				
Operator ID:	OI	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.50	94.00	2946	0.238453
1.44	96.00	1109	

Reviewer: kiwana, 07-Mar-2022 11:10:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB201 (6-6.5) | Lab Sample ID: 480-195466-2

Matrix: Solid | Lab File ID: S8820.D

Analysis Method: 8260C | Date Collected: 03/02/2022 10:03

Sample wt/vol: 7.483(g) | Date Analyzed: 03/06/2022 01:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		54	15
79-34-5	1,1,2,2-Tetrachloroethane	ND		54	8.8
79-00-5	1,1,2-Trichloroethane	ND		54	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27
75-34-3	1,1-Dichloroethane	ND		54	17
75-35-4	1,1-Dichloroethene	ND		54	19
120-82-1	1,2,4-Trichlorobenzene	ND		54	20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		54	27
95-50-1	1,2-Dichlorobenzene	ND		54	14
107-06-2	1,2-Dichloroethane	ND		54	22
78-87-5	1,2-Dichloropropane	ND		54	8.7
541-73-1	1,3-Dichlorobenzene	ND		54	14
106-46-7	1,4-Dichlorobenzene	ND		54	7.6
78-93-3	2-Butanone (MEK)	ND		270	160
591-78-6	2-Hexanone	ND		270	110
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		270	17
67-64-1	Acetone	ND		270	220
71-43-2	Benzene	ND		54	10
75-27-4	Bromodichloromethane	ND		54	11
75-25-2	Bromoform	ND		54	27
74-83-9	Bromomethane	ND		54	12
75-15-0	Carbon disulfide	ND		54	25
56-23-5	Carbon tetrachloride	ND		54	14
108-90-7	Chlorobenzene	ND		54	7.1
124-48-1	Dibromochloromethane	ND		54	26
75-00-3	Chloroethane	ND		54	11
67-66-3	Chloroform	ND		54	37
74-87-3	Chloromethane	ND		54	13
156-59-2	cis-1,2-Dichloroethene	ND		54	15
10061-01-5	cis-1,3-Dichloropropene	ND		54	13
110-82-7	Cyclohexane	ND		54	12
75-71-8	Dichlorodifluoromethane	ND		54	24
100-41-4	Ethylbenzene	ND		54	16
106-93-4	1,2-Dibromoethane	ND		54	9.4
98-82-8	Isopropylbenzene	ND		54	8.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB201 (6-6.5) | Lab Sample ID: 480-195466-2

Matrix: Solid | Lab File ID: S8820.D

Analysis Method: 8260C | Date Collected: 03/02/2022 10:03

Sample wt/vol: 7.483(g) | Date Analyzed: 03/06/2022 01:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		270	26
1634-04-4	Methyl tert-butyl ether	ND		54	20
108-87-2	Methylcyclohexane	ND		54	25
75-09-2	Methylene Chloride	ND		54	11
100-42-5	Styrene	ND		54	13
127-18-4	Tetrachloroethene	84		54	7.3
108-88-3	Toluene	ND		54	14
156-60-5	trans-1,2-Dichloroethene	ND		54	13
10061-02-6	trans-1,3-Dichloropropene	ND		54	5.3
79-01-6	Trichloroethene	ND		54	15
75-69-4	Trichlorofluoromethane	ND		54	25
75-01-4	Vinyl chloride	ND		54	18
1330-20-7	Xylenes, Total	ND		110	30

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
1868-53-7	Dibromofluoromethane (Surr)	92		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D
Lims ID: 480-195466-B-2-A
Client ID: SB201 (6-6.5)
Sample Type: Client
Inject. Date: 06-Mar-2022 01:12:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-1-A
Misc. Info.: 480-0104224-010
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:16:50 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:16:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	184164	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	359545	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	95	367784	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.302	0.000	58	239593	23.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	93	167079	24.9	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	93	924142	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	90	284337	23.5	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	7
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96		2.890				ND	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96		3.839				ND	
43 2-Butanone (MEK)	43		3.882				ND	
50 Chloroform	83	4.149	4.149	0.000	44	2946	0.1232	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95		5.202				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.305				ND	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	U
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	
81 Tetrachloroethene	166	6.942	6.942	0.000	80	23027	1.56	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

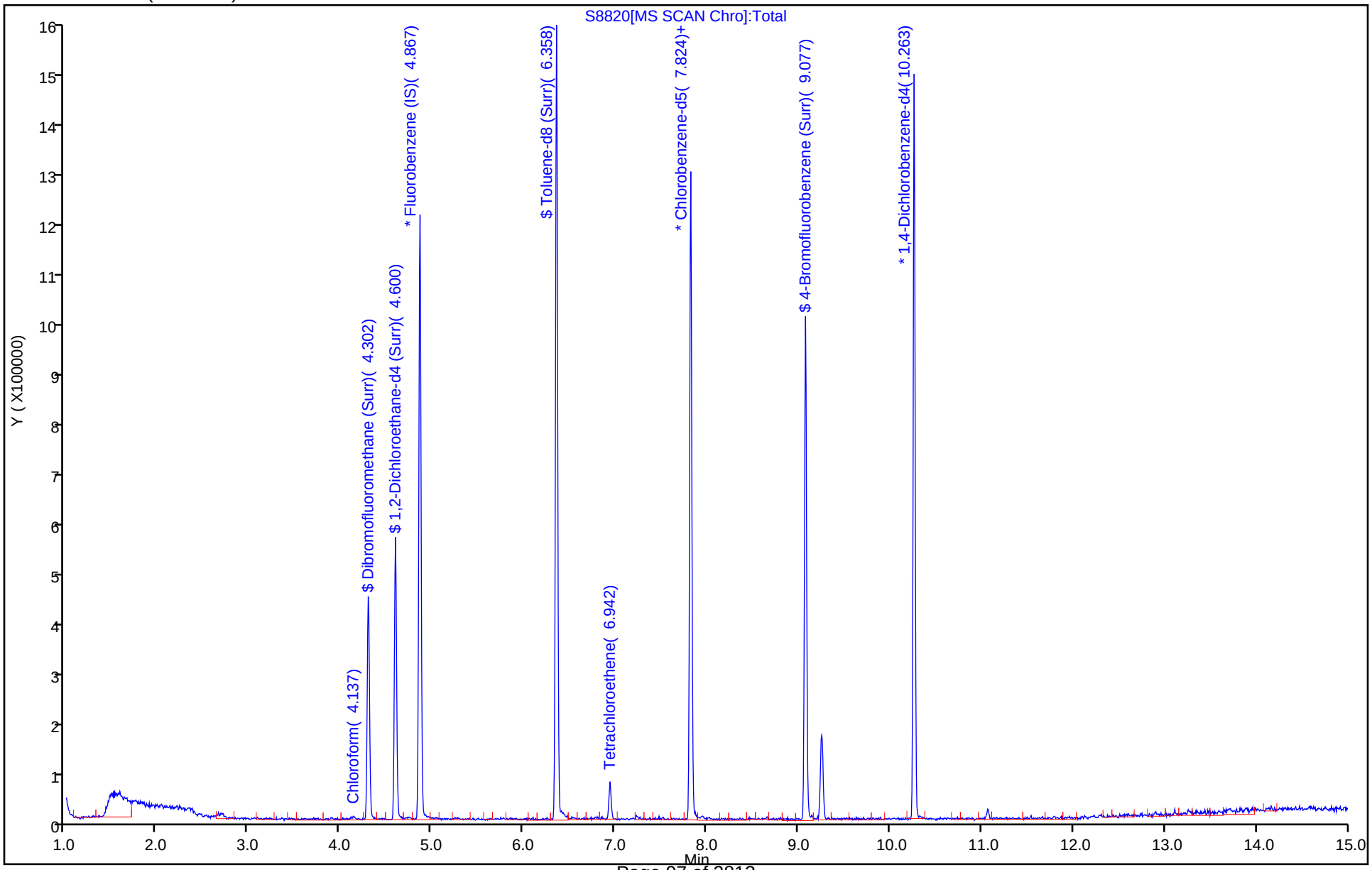
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:16:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D				
Injection Date:	06-Mar-2022 01:12:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-2-A	Lab Sample ID:	480-195466-2	Worklist Smp#:	10
Client ID:	SB201 (6-6.5)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D				
Lims ID:	480-195466-B-2-A				
Client ID:	SB201 (6-6.5)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 01:12:30	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-195466-B-1-A				
Misc. Info.:	480-0104224-010				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:16:50	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:16:50

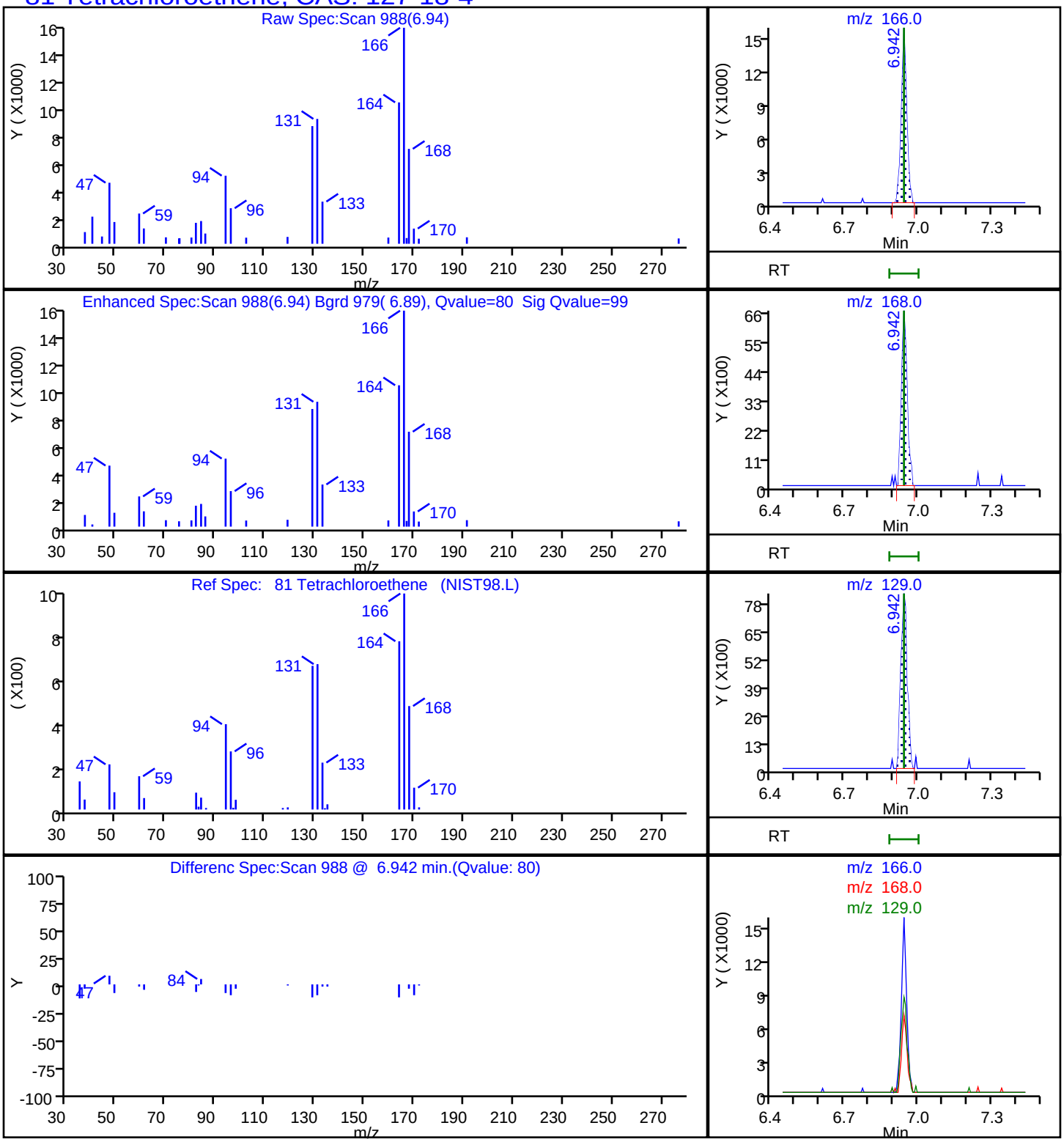
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.0	91.95
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.62
$ 5 Toluene-d8 (Surr)	25.0	24.4	97.54
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.5	94.14

Report Date: 07-Mar-2022 11:16:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D				
Injection Date:	06-Mar-2022 01:12:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-2-A	Lab Sample ID:	480-195466-2		
Client ID:	SB201 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



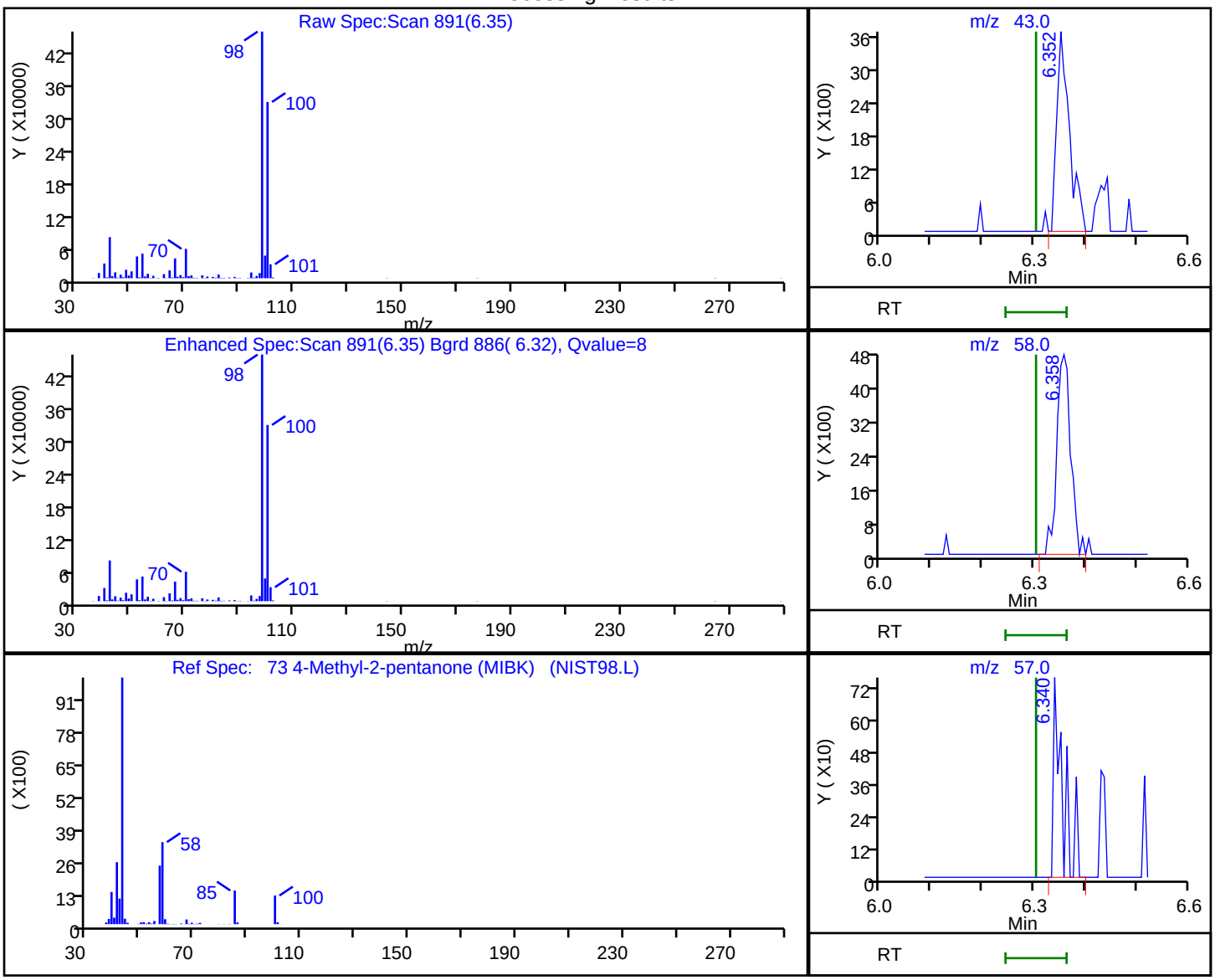
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D				
Injection Date:	06-Mar-2022 01:12:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-2-A	Lab Sample ID:	480-195466-2		
Client ID:	SB201 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.35	43.00	6249	0.372689
6.36	58.00	8917	
6.34	57.00	940	

Reviewer: kiwana, 07-Mar-2022 11:12:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

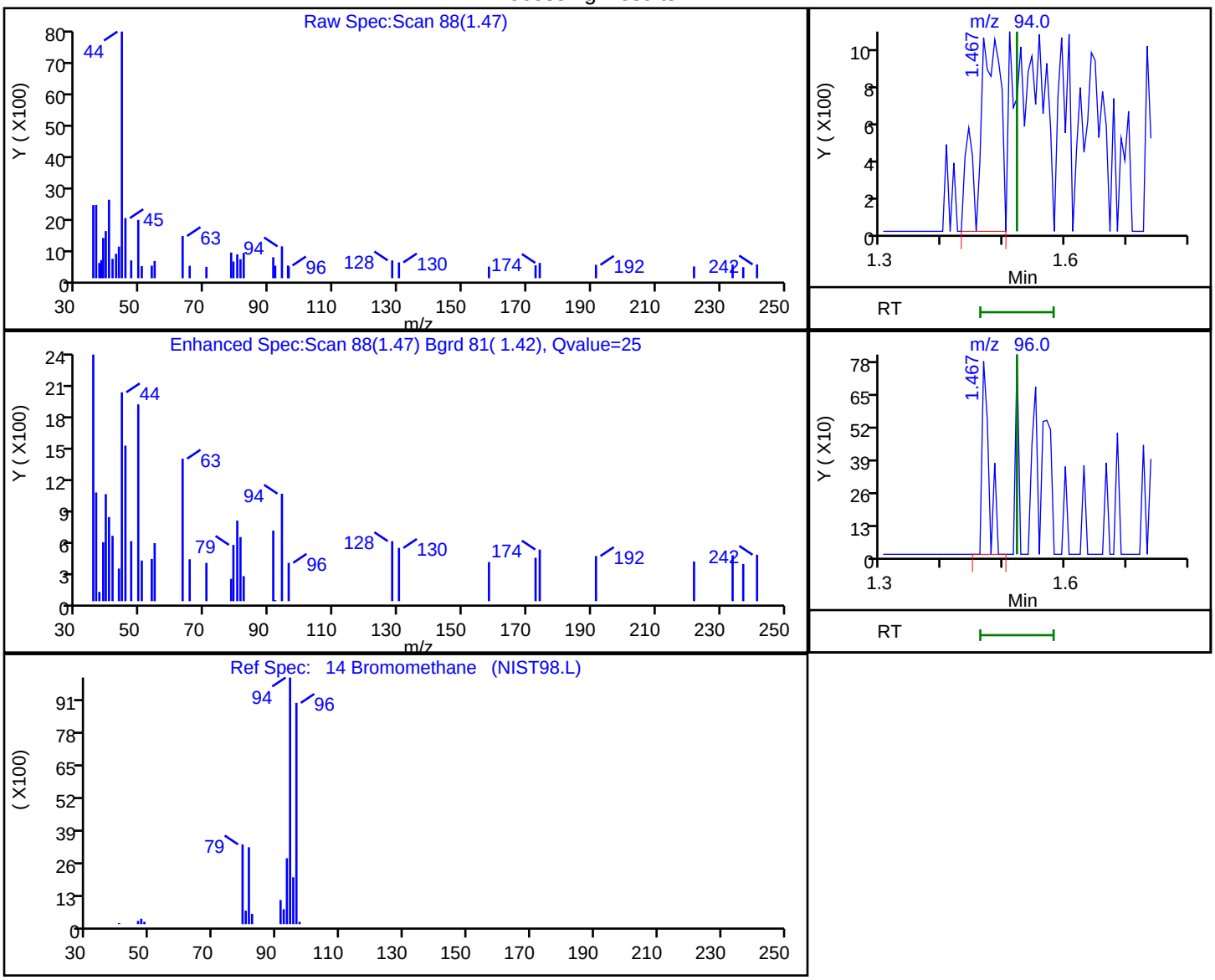
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8820.D				
Injection Date:	06-Mar-2022 01:12:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-2-A	Lab Sample ID:	480-195466-2		
Client ID:	SB201 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.47	94.00	2597	0.215604
1.47	96.00	618	

Reviewer: kiwana, 07-Mar-2022 11:12:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB202 (2-2.5) | Lab Sample ID: 480-195466-3

Matrix: Solid | Lab File ID: S8821.D

Analysis Method: 8260C | Date Collected: 03/02/2022 10:45

Sample wt/vol: 6.022(g) | Date Analyzed: 03/06/2022 01:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.5 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	55
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	32
79-00-5	1,1,2-Trichloroethane	ND		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	100
75-34-3	1,1-Dichloroethane	ND		200	62
75-35-4	1,1-Dichloroethene	ND		200	69
120-82-1	1,2,4-Trichlorobenzene	ND		200	76
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	100
95-50-1	1,2-Dichlorobenzene	ND		200	51
107-06-2	1,2-Dichloroethane	ND		200	82
78-87-5	1,2-Dichloropropane	ND		200	32
541-73-1	1,3-Dichlorobenzene	ND		200	53
106-46-7	1,4-Dichlorobenzene	ND		200	28
78-93-3	2-Butanone (MEK)	ND		1000	590
591-78-6	2-Hexanone	ND		1000	410
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	64
67-64-1	Acetone	ND		1000	820
71-43-2	Benzene	ND		200	38
75-27-4	Bromodichloromethane	ND		200	40
75-25-2	Bromoform	ND		200	100
74-83-9	Bromomethane	ND		200	44
75-15-0	Carbon disulfide	ND		200	91
56-23-5	Carbon tetrachloride	ND		200	51
108-90-7	Chlorobenzene	ND		200	26
124-48-1	Dibromochloromethane	ND		200	97
75-00-3	Chloroethane	ND		200	42
67-66-3	Chloroform	ND		200	140
74-87-3	Chloromethane	ND		200	48
156-59-2	cis-1,2-Dichloroethene	ND		200	55
10061-01-5	cis-1,3-Dichloropropene	ND		200	48
110-82-7	Cyclohexane	ND		200	44
75-71-8	Dichlorodifluoromethane	ND		200	87
100-41-4	Ethylbenzene	ND		200	58
106-93-4	1,2-Dibromoethane	ND		200	35
98-82-8	Isopropylbenzene	ND		200	30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB202 (2-2.5) | Lab Sample ID: 480-195466-3

Matrix: Solid | Lab File ID: S8821.D

Analysis Method: 8260C | Date Collected: 03/02/2022 10:45

Sample wt/vol: 6.022(g) | Date Analyzed: 03/06/2022 01:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.5 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	95
1634-04-4	Methyl tert-butyl ether	ND		200	76
108-87-2	Methylcyclohexane	ND		200	94
75-09-2	Methylene Chloride	ND		200	40
100-42-5	Styrene	ND		200	48
127-18-4	Tetrachloroethene	8800		200	27
108-88-3	Toluene	ND		200	54
156-60-5	trans-1,2-Dichloroethene	ND		200	47
10061-02-6	trans-1,3-Dichloropropene	ND		200	20
79-01-6	Trichloroethene	180	J	200	56
75-69-4	Trichlorofluoromethane	ND		200	94
75-01-4	Vinyl chloride	ND		200	67
1330-20-7	Xylenes, Total	ND		400	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D
Lims ID: 480-195466-B-3-A
Client ID: SB202 (2-2.5)
Sample Type: Client
Inject. Date: 06-Mar-2022 01:36:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-195466-B-2-A
Misc. Info.: 480-0104224-011
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:17:56 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:17:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	189357	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	88	385792	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	94	399464	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	57	237862	22.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	91	163803	23.7	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	93	928146	22.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	299002	23.1	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	7
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96		2.890				ND	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96		3.839				ND	
43 2-Butanone (MEK)	43		3.882				ND	
50 Chloroform	83	4.149	4.149	0.000	24	3115	0.1267	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	7
62 Trichloroethene	95	5.208	5.202	0.006	82	11954	0.8972	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.305	5.305	0.000	48	7447	0.3430	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92	6.425	6.425	0.000	72	4779	0.1385	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	92	701122	44.2	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106	8.493	8.493	0.000	18	2678	0.1118	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1				0		0.1118	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

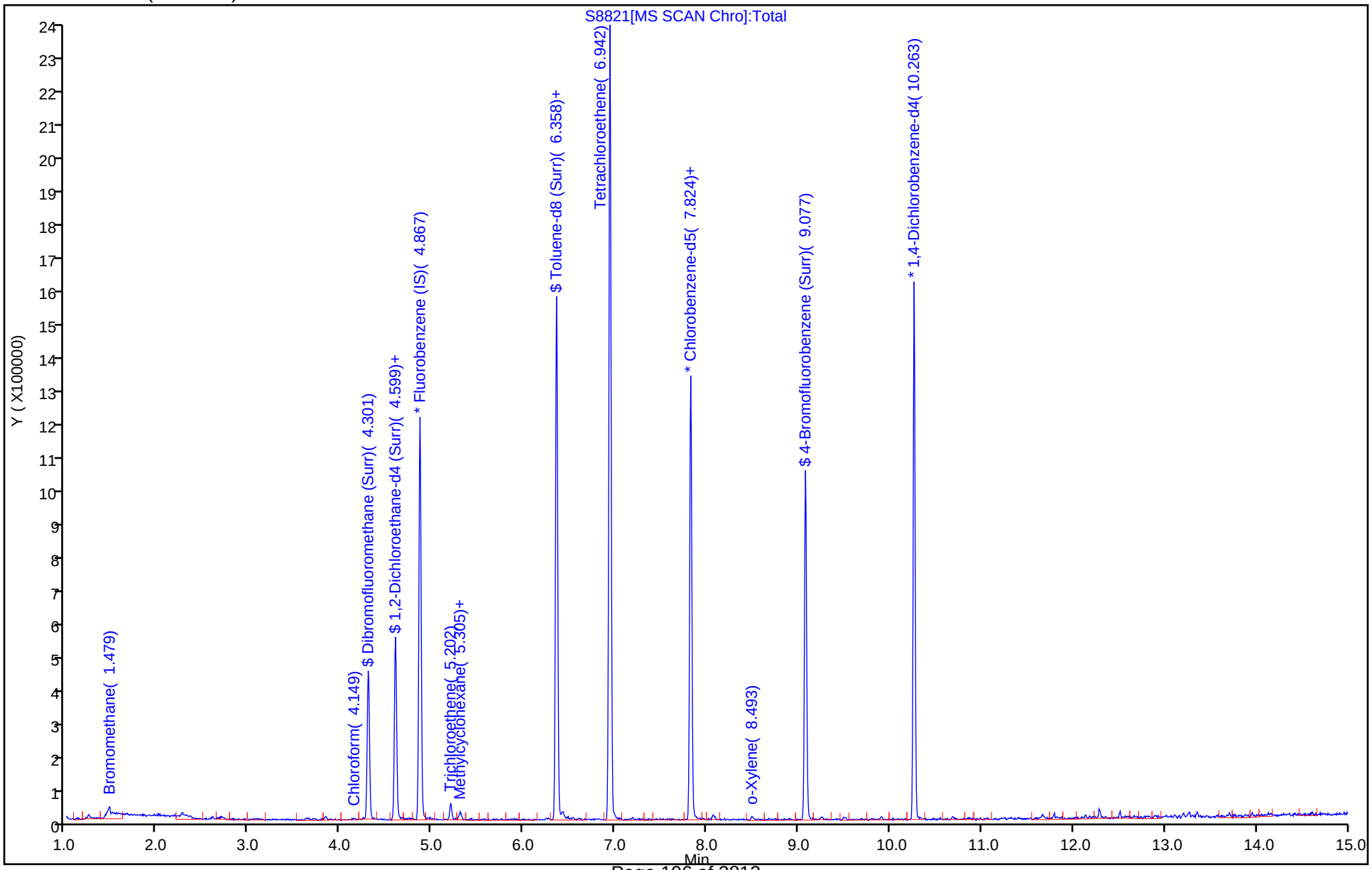
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:17:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Injection Date:	06-Mar-2022 01:36:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-3-A	Lab Sample ID:	480-195466-3	Worklist Smp#:	11
Client ID:	SB202 (2-2.5)				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Lims ID:	480-195466-B-3-A				
Client ID:	SB202 (2-2.5)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 01:36:30	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Sample Info:	480-195466-B-2-A				
Misc. Info.:	480-0104224-011				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:17:56	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:17:56

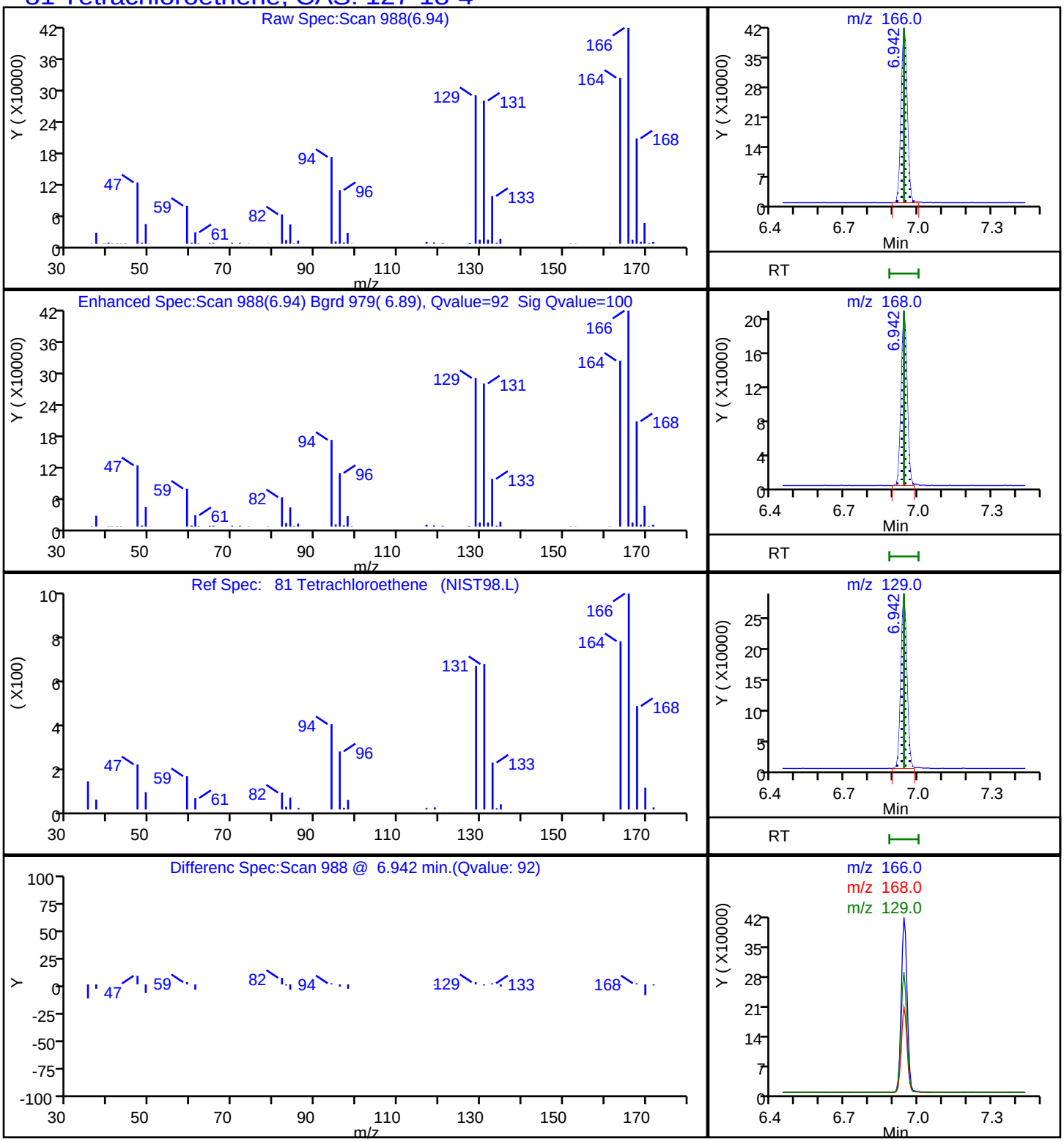
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.2	88.78
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.7	94.99
$ 5 Toluene-d8 (Surr)	25.0	22.8	91.30
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.1	92.26

Report Date: 07-Mar-2022 11:17:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Injection Date:	06-Mar-2022 01:36:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-3-A	Lab Sample ID:	480-195466-3		
Client ID:	SB202 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

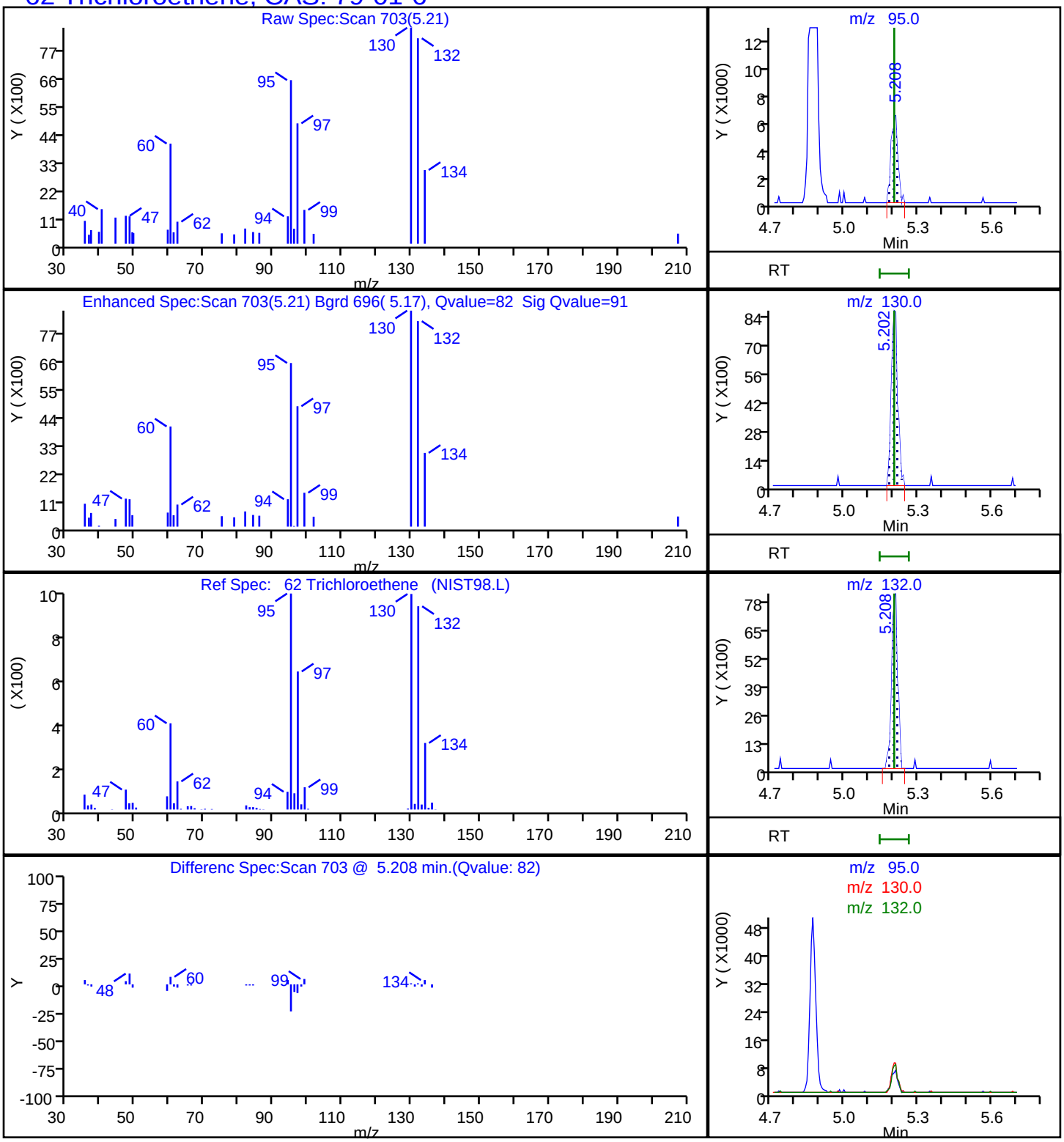


Report Date: 07-Mar-2022 11:17:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Injection Date:	06-Mar-2022 01:36:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-3-A	Lab Sample ID:	480-195466-3		
Client ID:	SB202 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



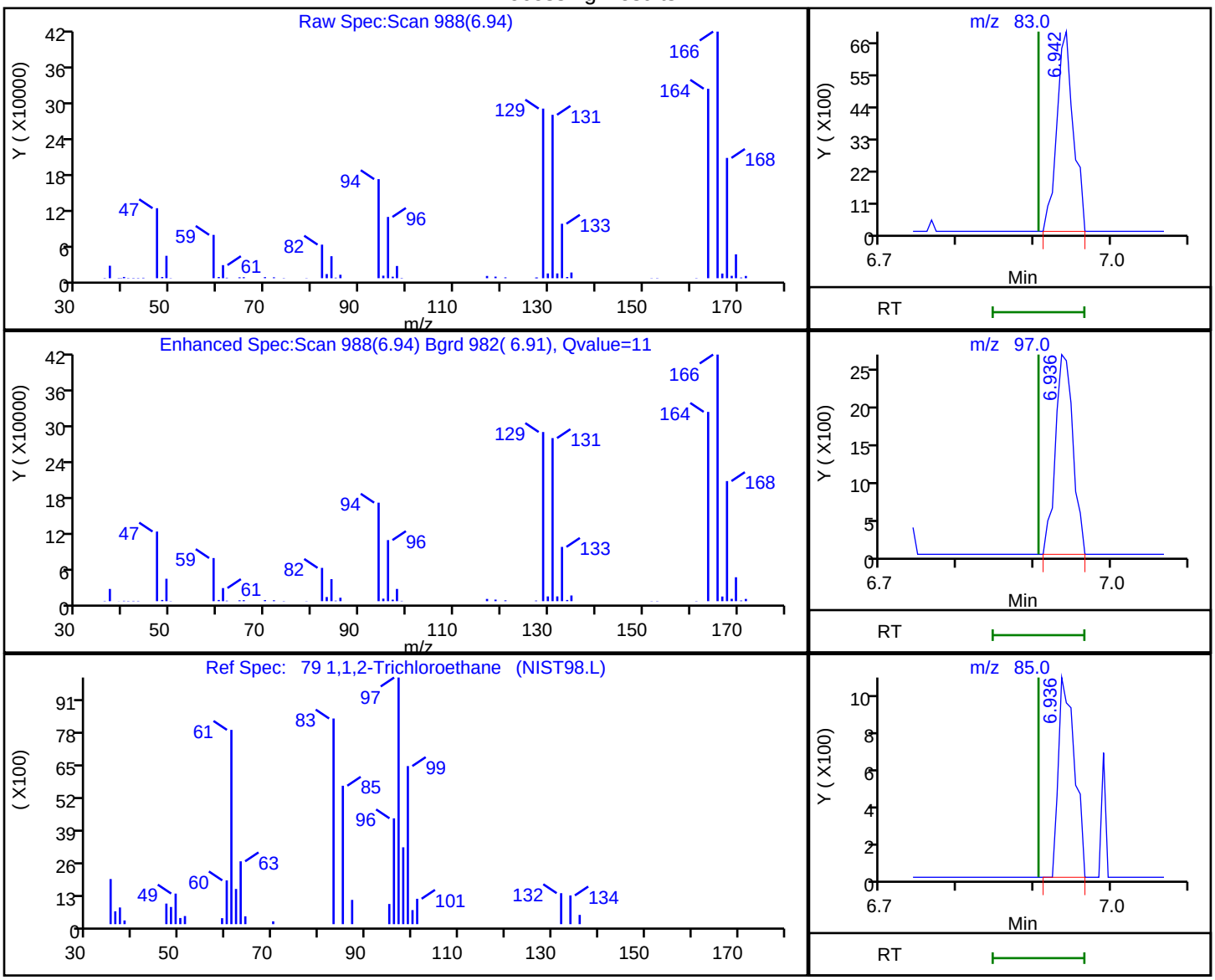
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Injection Date:	06-Mar-2022 01:36:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-3-A	Lab Sample ID:	480-195466-3		
Client ID:	SB202 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	10471	1.050368
6.94	97.00	4166	
6.94	85.00	1546	

Reviewer: kiwana, 07-Mar-2022 11:17:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

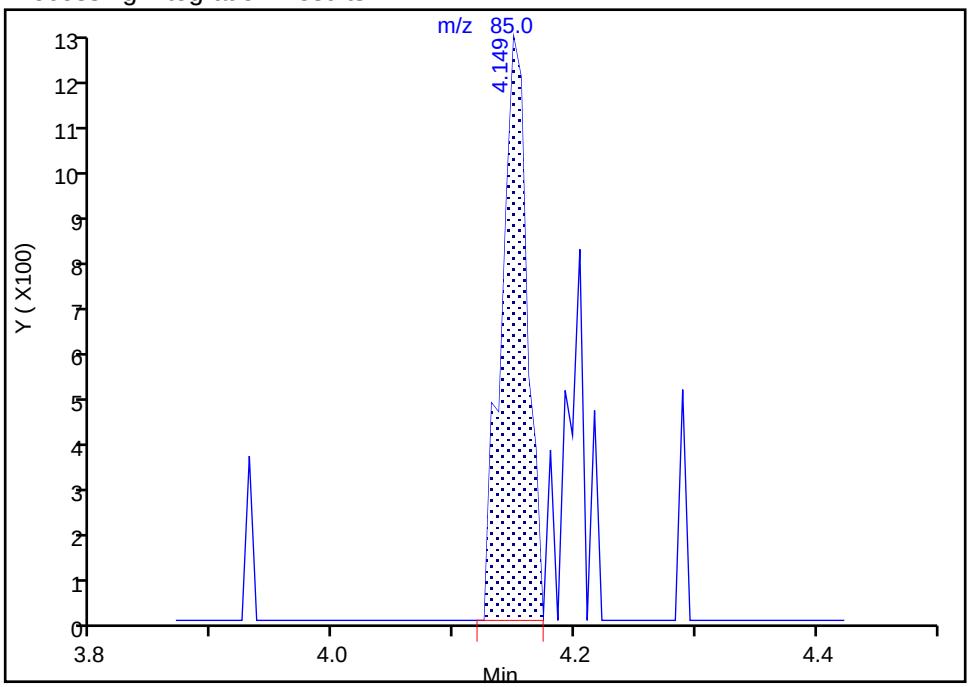
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8821.D				
Injection Date:	06-Mar-2022 01:36:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-3-A	Lab Sample ID:	480-195466-3		
Client ID:	SB202 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 2

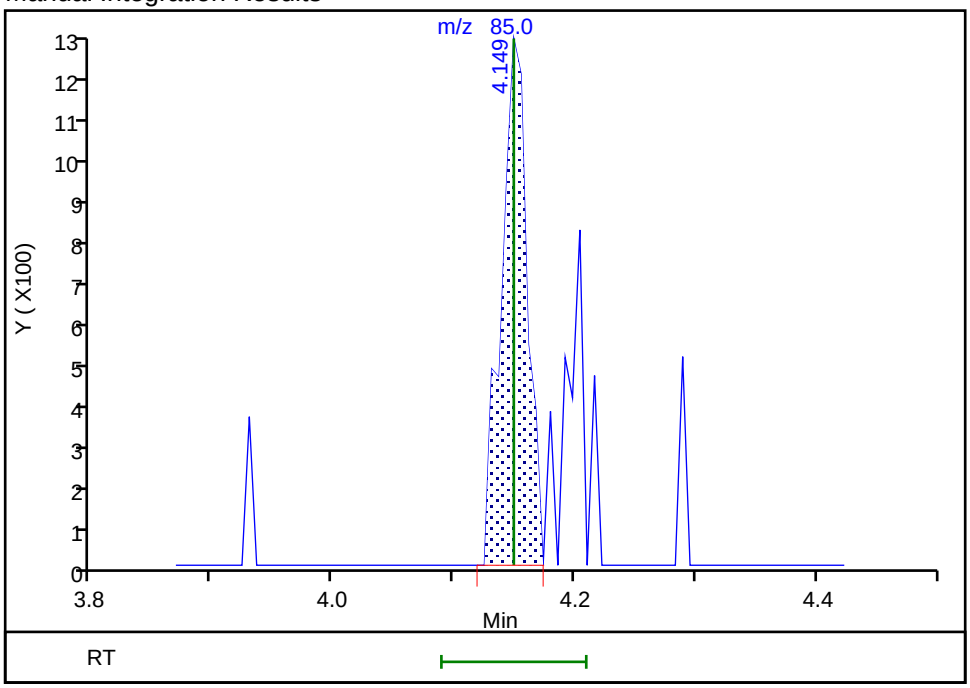
Processing Integration Results

RT: 4.15
Area: 1914
Amount: 0.126689
Amount Units: ug/L



Manual Integration Results

RT: 4.15
Area: 1914
Amount: 0.126689
Amount Units: ug/L



Reviewer: kiwana, 07-Mar-2022 11:17:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB202 (6-6.5) | Lab Sample ID: 480-195466-4

Matrix: Solid | Lab File ID: S8822.D

Analysis Method: 8260C | Date Collected: 03/02/2022 11:10

Sample wt/vol: 6.941(g) | Date Analyzed: 03/06/2022 02:00

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.1 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		56	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		56	9.1
79-00-5	1,1,2-Trichloroethane	ND		56	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		56	28
75-34-3	1,1-Dichloroethane	ND		56	17
75-35-4	1,1-Dichloroethene	ND		56	19
120-82-1	1,2,4-Trichlorobenzene	ND		56	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		56	28
95-50-1	1,2-Dichlorobenzene	ND		56	14
107-06-2	1,2-Dichloroethane	ND		56	23
78-87-5	1,2-Dichloropropane	ND		56	9.1
541-73-1	1,3-Dichlorobenzene	ND		56	15
106-46-7	1,4-Dichlorobenzene	ND		56	7.9
78-93-3	2-Butanone (MEK)	ND		280	170
591-78-6	2-Hexanone	ND		280	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		280	18
67-64-1	Acetone	ND		280	230
71-43-2	Benzene	ND		56	11
75-27-4	Bromodichloromethane	ND		56	11
75-25-2	Bromoform	ND		56	28
74-83-9	Bromomethane	ND		56	12
75-15-0	Carbon disulfide	ND		56	26
56-23-5	Carbon tetrachloride	ND		56	14
108-90-7	Chlorobenzene	ND		56	7.4
124-48-1	Dibromochloromethane	ND		56	27
75-00-3	Chloroethane	ND		56	12
67-66-3	Chloroform	ND		56	39
74-87-3	Chloromethane	ND		56	13
156-59-2	cis-1,2-Dichloroethene	210		56	16
10061-01-5	cis-1,3-Dichloropropene	ND		56	13
110-82-7	Cyclohexane	ND		56	12
75-71-8	Dichlorodifluoromethane	ND		56	25
100-41-4	Ethylbenzene	ND		56	16
106-93-4	1,2-Dibromoethane	ND		56	9.9
98-82-8	Isopropylbenzene	ND		56	8.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB202 (6-6.5) | Lab Sample ID: 480-195466-4

Matrix: Solid | Lab File ID: S8822.D

Analysis Method: 8260C | Date Collected: 03/02/2022 11:10

Sample wt/vol: 6.941(g) | Date Analyzed: 03/06/2022 02:00

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.1 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		280	27
1634-04-4	Methyl tert-butyl ether	ND		56	21
108-87-2	Methylcyclohexane	ND		56	26
75-09-2	Methylene Chloride	ND		56	11
100-42-5	Styrene	ND		56	14
127-18-4	Tetrachloroethene	2900		56	7.6
108-88-3	Toluene	ND		56	15
156-60-5	trans-1,2-Dichloroethene	13	J	56	13
10061-02-6	trans-1,3-Dichloropropene	ND		56	5.5
79-01-6	Trichloroethene	710		56	16
75-69-4	Trichlorofluoromethane	ND		56	26
75-01-4	Vinyl chloride	ND		56	19
1330-20-7	Xylenes, Total	ND		110	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
1868-53-7	Dibromofluoromethane (Surr)	91		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D
Lims ID: 480-195466-B-4-A
Client ID: SB202 (6-6.5)
Sample Type: Client
Inject. Date: 06-Mar-2022 02:00:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-3-A
Misc. Info.: 480-0104224-012
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:18:36 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:18:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	180880	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	347419	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	95	357164	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	72	233256	22.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	91	160184	24.3	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	94	863377	23.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	268193	23.0	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	7
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43	2.312	2.312	0.000	62	8143	1.20	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	58	2928	0.2314	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	69	51188	3.75	
43 2-Butanone (MEK)	43		3.882				ND	
50 Chloroform	83	4.149	4.149	0.000	41	3132	0.1333	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.202	5.202	0.000	91	160338	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.305				ND	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	92	724226	50.7	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

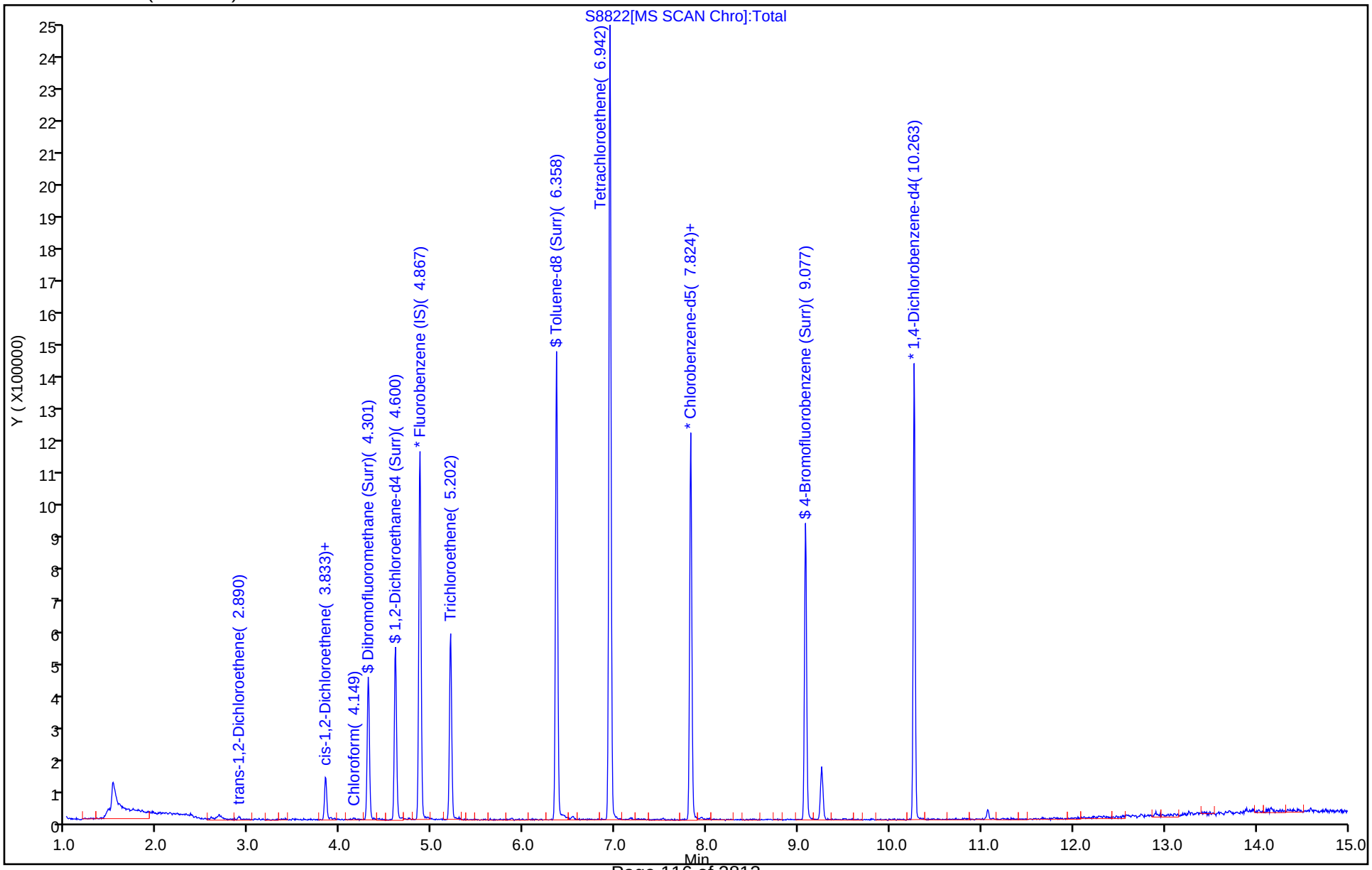
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:18:36 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4	Worklist Smp#:	12
Client ID:	SB202 (6-6.5)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Lims ID:	480-195466-B-4-A				
Client ID:	SB202 (6-6.5)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 02:00:30	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-195466-B-3-A				
Misc. Info.:	480-0104224-012				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:18:36	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:18:36

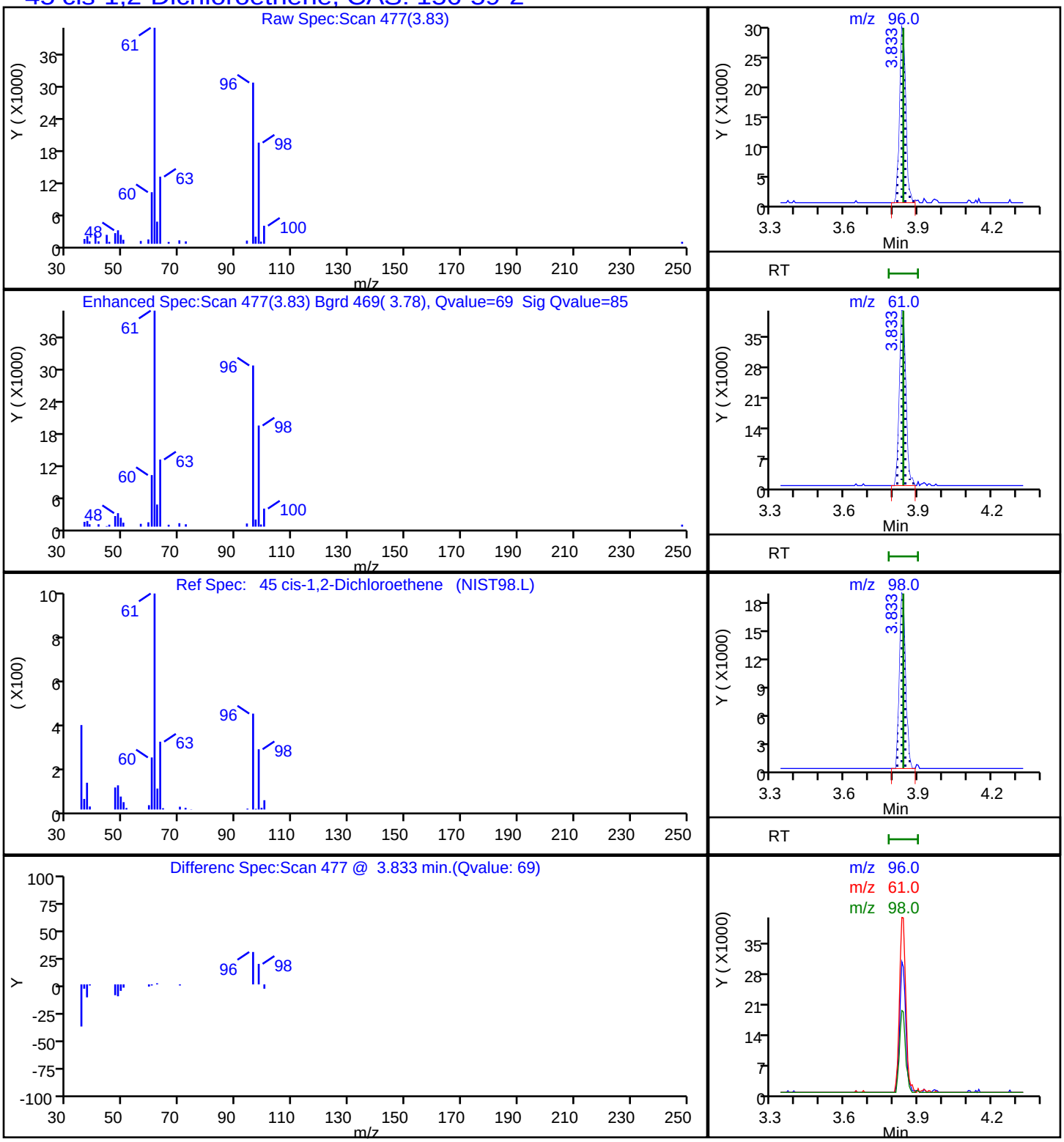
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.8	91.14
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.3	97.24
$ 5 Toluene-d8 (Surr)	25.0	23.6	94.31
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.0	91.89

Report Date: 07-Mar-2022 11:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4		
Client ID:	SB202 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

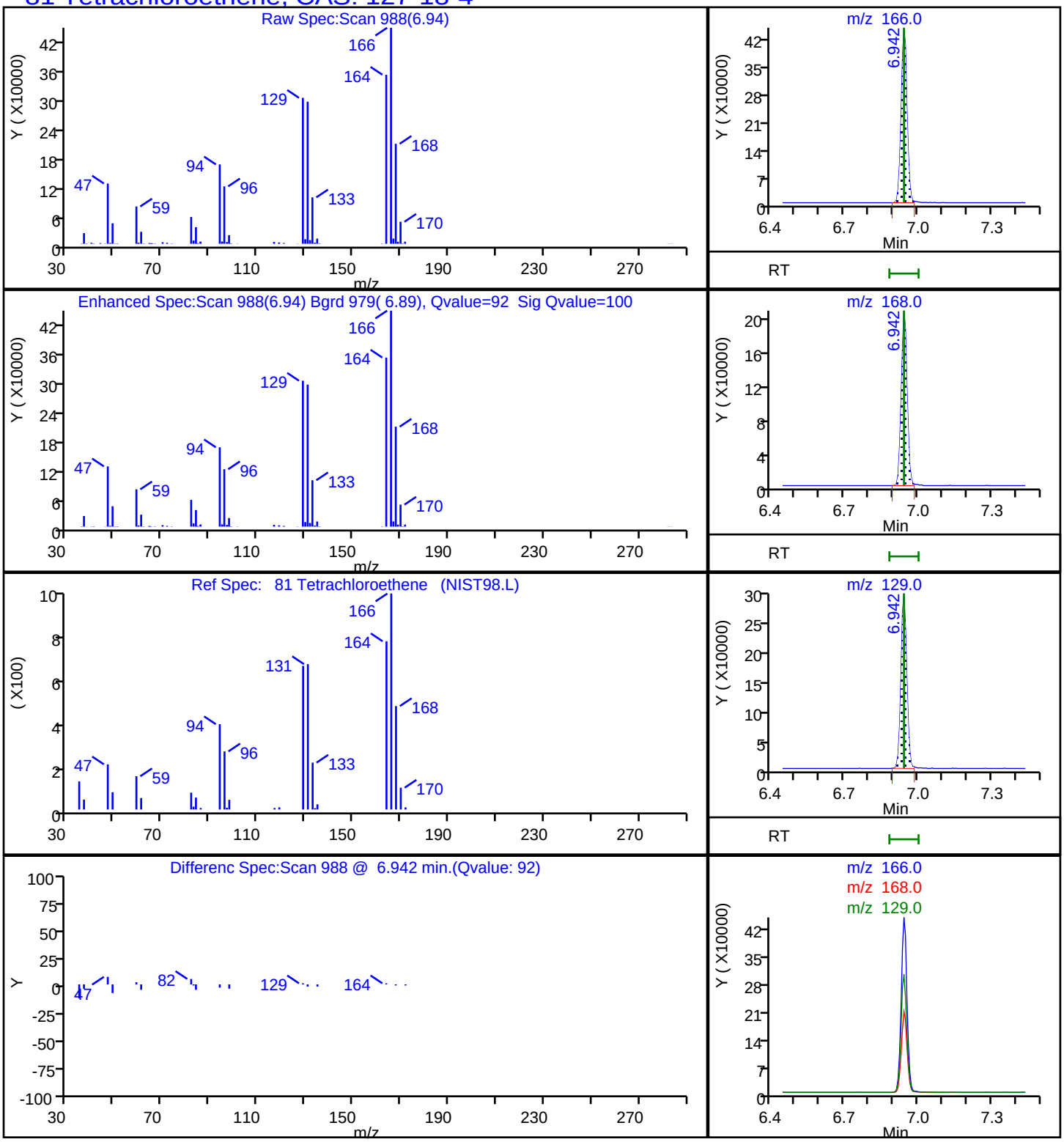


Report Date: 07-Mar-2022 11:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4		
Client ID:	SB202 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

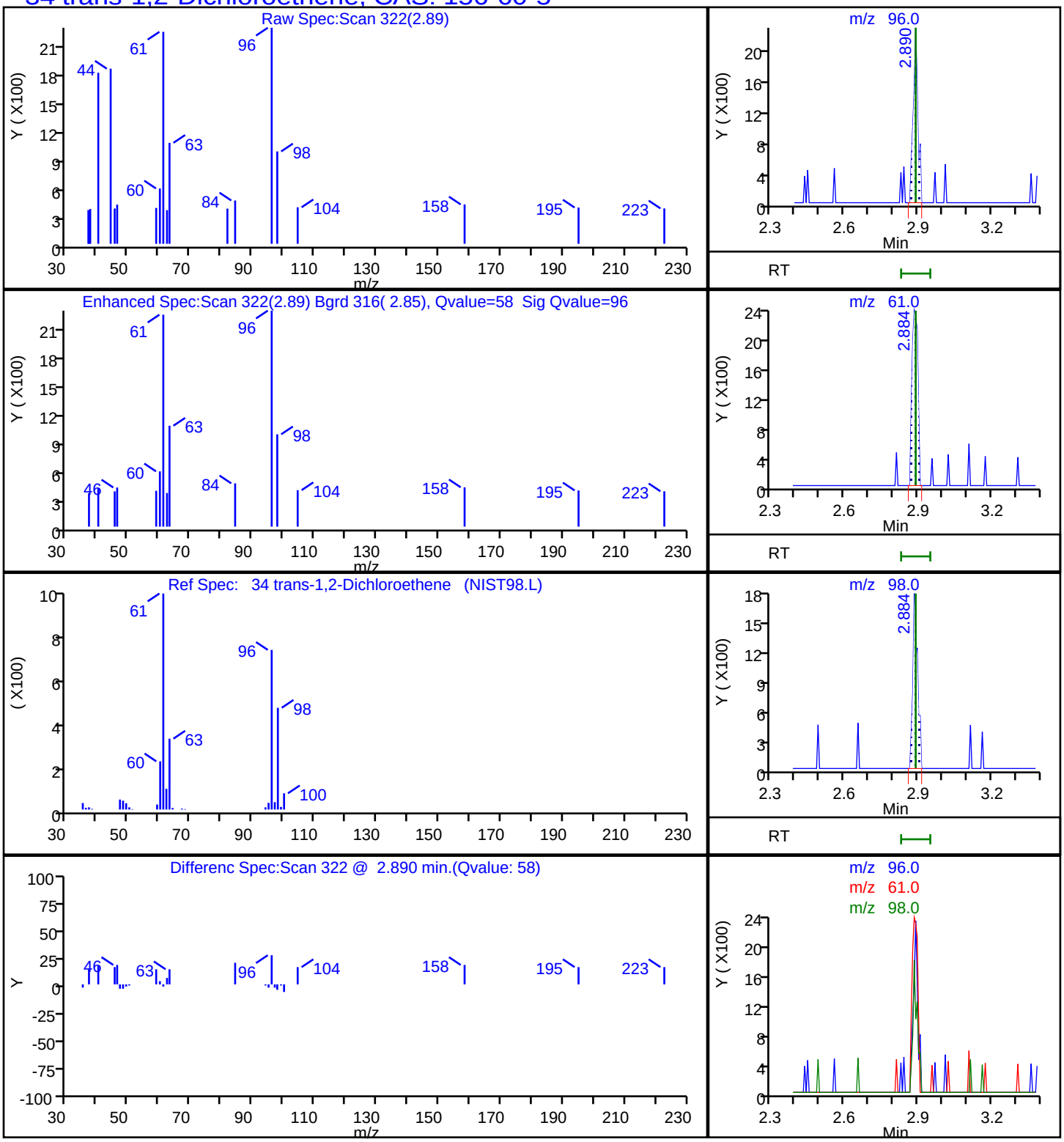


Report Date: 07-Mar-2022 11:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4		
Client ID:	SB202 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

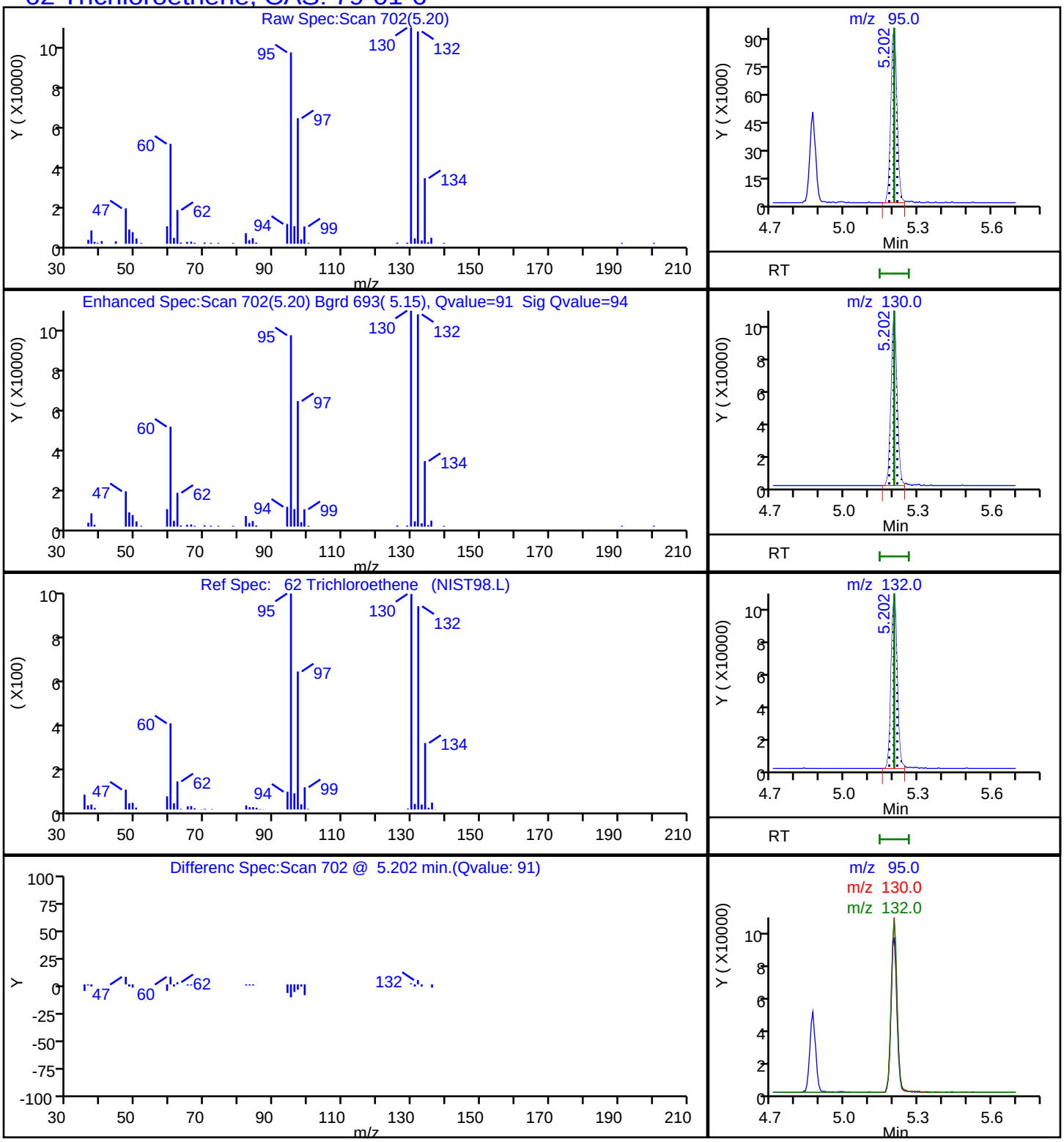


Report Date: 07-Mar-2022 11:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4		
Client ID:	SB202 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



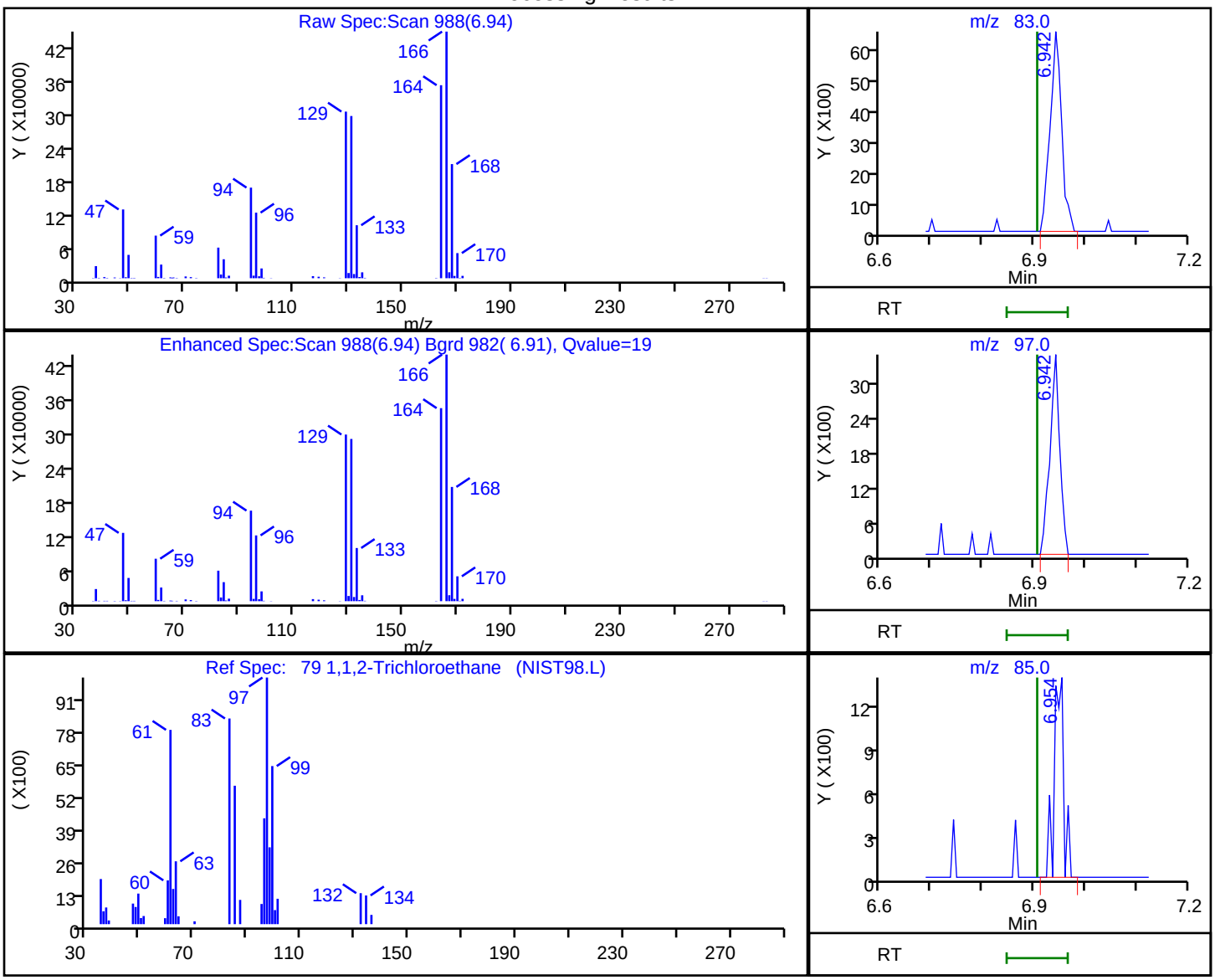
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8822.D				
Injection Date:	06-Mar-2022 02:00:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-4-A	Lab Sample ID:	480-195466-4		
Client ID:	SB202 (6-6.5)				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	10369	1.155021
6.94	97.00	4644	
6.95	85.00	1735	

Reviewer: kiwana, 07-Mar-2022 11:18:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB203 (2-2.5) | Lab Sample ID: 480-195466-5

Matrix: Solid | Lab File ID: S8823.D

Analysis Method: 8260C | Date Collected: 03/02/2022 11:53

Sample wt/vol: 6.413(g) | Date Analyzed: 03/06/2022 02:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 11.0 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	14
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	8.1
79-00-5	1,1,2-Trichloroethane	ND		50	10
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25
75-34-3	1,1-Dichloroethane	ND		50	15
75-35-4	1,1-Dichloroethene	ND		50	17
120-82-1	1,2,4-Trichlorobenzene	ND		50	19
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	25
95-50-1	1,2-Dichlorobenzene	ND		50	13
107-06-2	1,2-Dichloroethane	ND		50	20
78-87-5	1,2-Dichloropropane	ND		50	8.1
541-73-1	1,3-Dichlorobenzene	ND		50	13
106-46-7	1,4-Dichlorobenzene	ND		50	7.0
78-93-3	2-Butanone (MEK)	ND		250	150
591-78-6	2-Hexanone	ND		250	100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	16
67-64-1	Acetone	ND		250	210
71-43-2	Benzene	ND		50	9.5
75-27-4	Bromodichloromethane	ND		50	10
75-25-2	Bromoform	ND		50	25
74-83-9	Bromomethane	ND		50	11
75-15-0	Carbon disulfide	ND		50	23
56-23-5	Carbon tetrachloride	ND		50	13
108-90-7	Chlorobenzene	ND		50	6.6
124-48-1	Dibromochloromethane	ND		50	24
75-00-3	Chloroethane	ND		50	10
67-66-3	Chloroform	ND		50	34
74-87-3	Chloromethane	ND		50	12
156-59-2	cis-1,2-Dichloroethene	ND		50	14
10061-01-5	cis-1,3-Dichloropropene	ND		50	12
110-82-7	Cyclohexane	ND		50	11
75-71-8	Dichlorodifluoromethane	ND		50	22
100-41-4	Ethylbenzene	ND		50	15
106-93-4	1,2-Dibromoethane	ND		50	8.7
98-82-8	Isopropylbenzene	ND		50	7.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5
Matrix: Solid
Lab File ID: S8823.D
Analysis Method: 8260C
Date Collected: 03/02/2022 11:53
Sample wt/vol: 6.413(g)
Date Analyzed: 03/06/2022 02:23
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 5(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 11.0
Level: (low/med) Medium
Analysis Batch No.: 616884
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	24
1634-04-4	Methyl tert-butyl ether	ND		50	19
108-87-2	Methylcyclohexane	ND		50	23
75-09-2	Methylene Chloride	ND		50	9.9
100-42-5	Styrene	ND		50	12
127-18-4	Tetrachloroethene	1600		50	6.7
108-88-3	Toluene	ND		50	13
156-60-5	trans-1,2-Dichloroethene	ND		50	12
10061-02-6	trans-1,3-Dichloropropene	ND		50	4.9
79-01-6	Trichloroethene	ND		50	14
75-69-4	Trichlorofluoromethane	ND		50	23
75-01-4	Vinyl chloride	ND		50	17
1330-20-7	Xylenes, Total	ND		100	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	87		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D
Lims ID: 480-195466-B-5-A
Client ID: SB203 (2-2.5)
Sample Type: Client
Inject. Date: 06-Mar-2022 02:23:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-4-A
Misc. Info.: 480-0104224-013
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:19:29 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:19:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	187682	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	378092	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	95	394456	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	62	231520	21.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	92	165016	24.1	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	93	960465	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	302147	23.8	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	U
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96		2.890				ND	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96		3.839				ND	
43 2-Butanone (MEK)	43	3.894	3.882	0.012	87	8688	0.9766	
50 Chloroform	83	4.155	4.149	0.006	25	2967	0.1217	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.196	5.202	-0.006	55	3204	0.2426	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.305				ND	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	92	487406	31.4	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

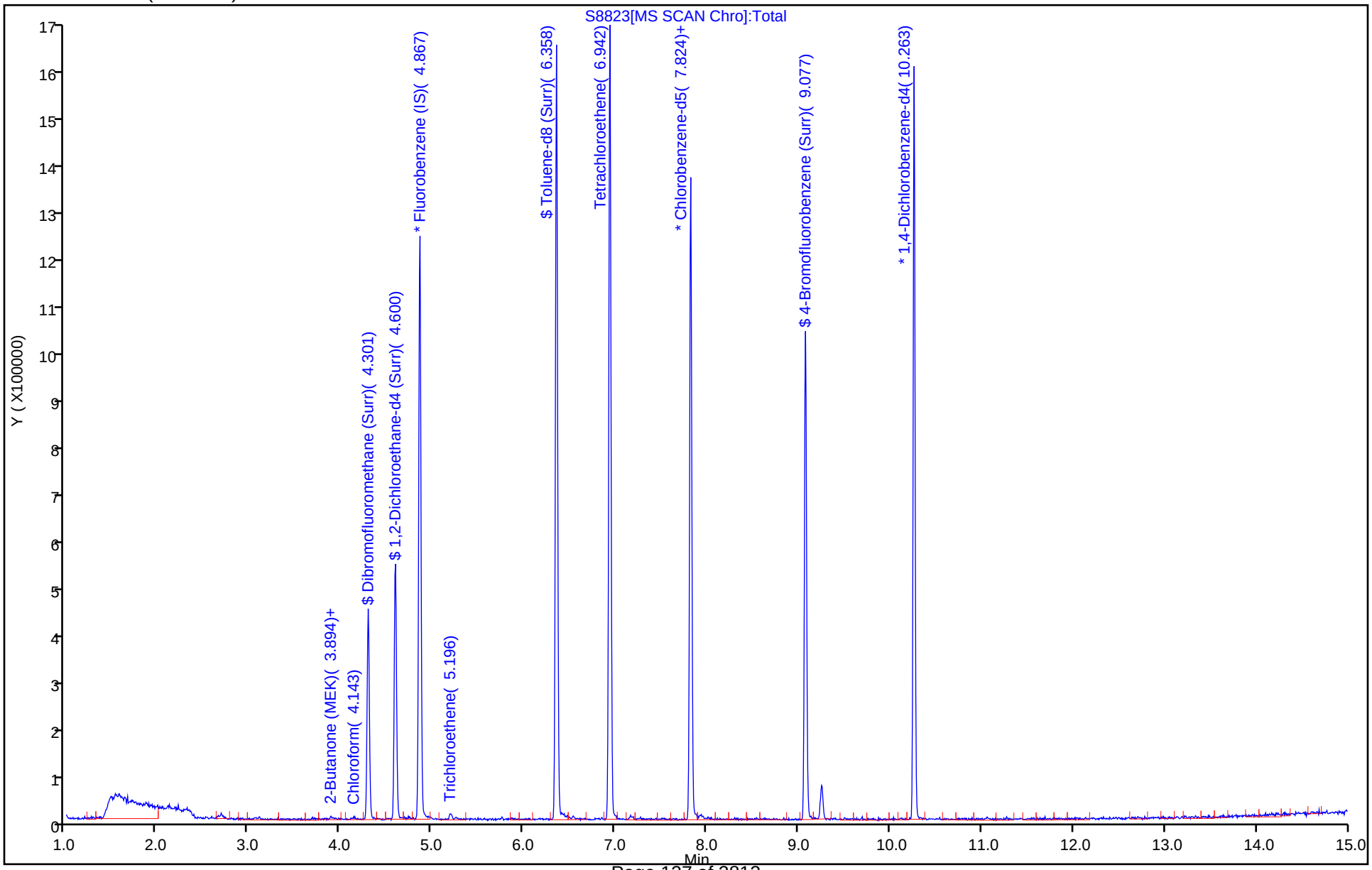
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:19:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Injection Date:	06-Mar-2022 02:23:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-5-A	Lab Sample ID:	480-195466-5	Worklist Smp#:	13
Client ID:	SB203 (2-2.5)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Lims ID:	480-195466-B-5-A				
Client ID:	SB203 (2-2.5)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 02:23:30	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-195466-B-4-A				
Misc. Info.:	480-0104224-013				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:19:29	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:19:29

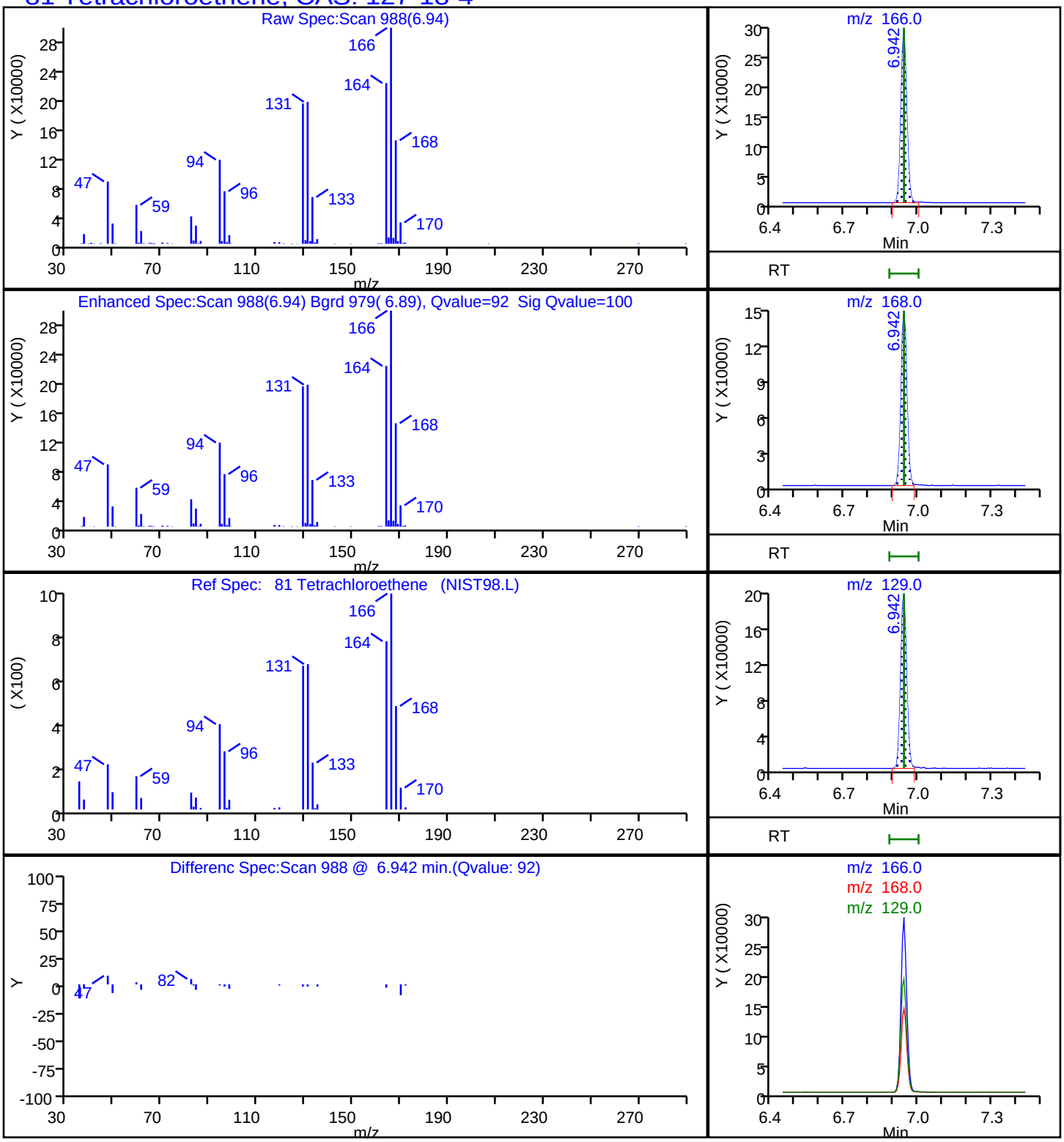
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	21.8	87.18
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.1	96.54
$ 5 Toluene-d8 (Surr)	25.0	24.1	96.41
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.8	95.13

Report Date: 07-Mar-2022 11:19:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Injection Date:	06-Mar-2022 02:23:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-5-A	Lab Sample ID:	480-195466-5		
Client ID:	SB203 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



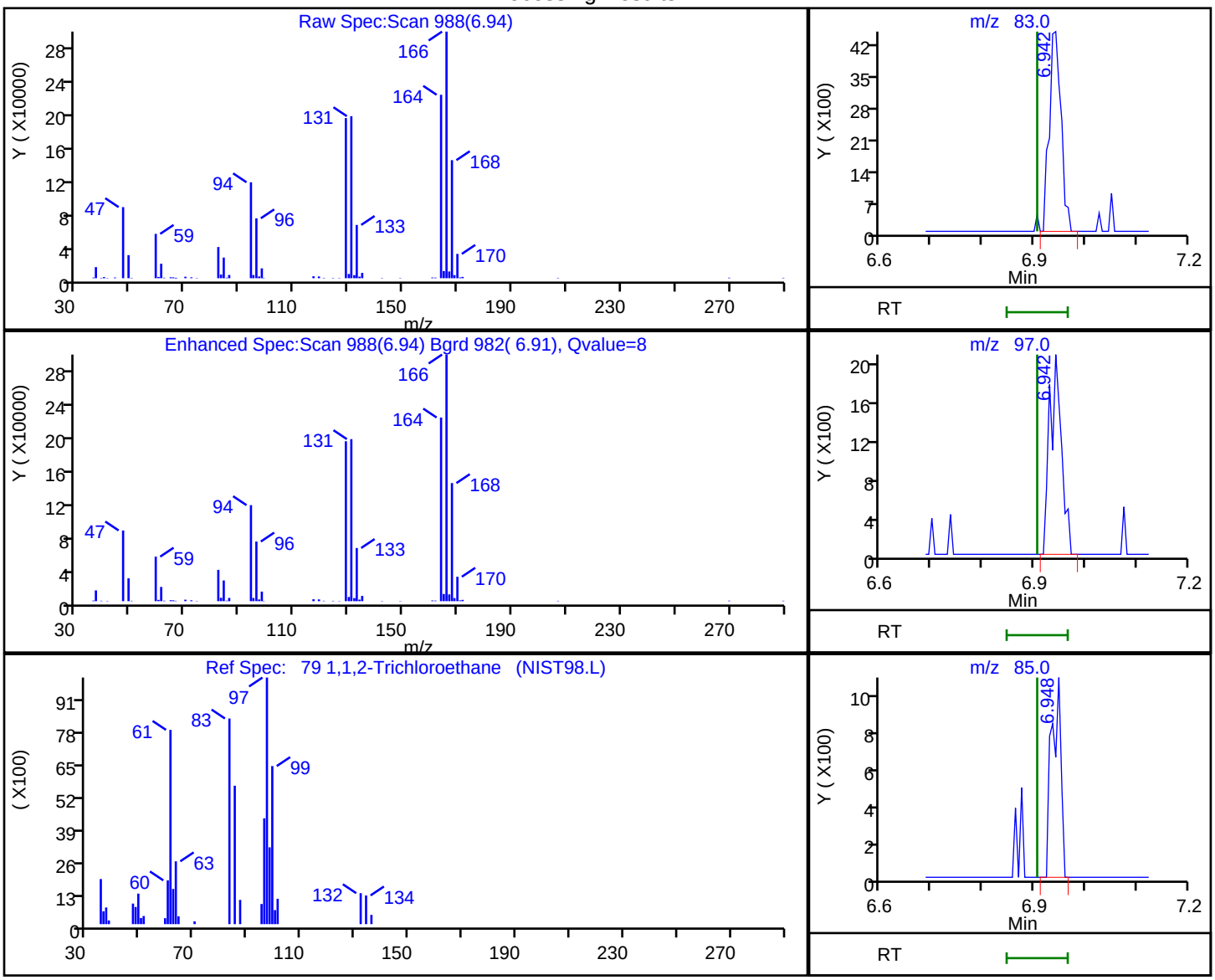
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Injection Date:	06-Mar-2022 02:23:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-5-A	Lab Sample ID:	480-195466-5		
Client ID:	SB203 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	7089	0.725594
6.94	97.00	3308	
6.95	85.00	1303	

Reviewer: kiwana, 07-Mar-2022 11:19:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

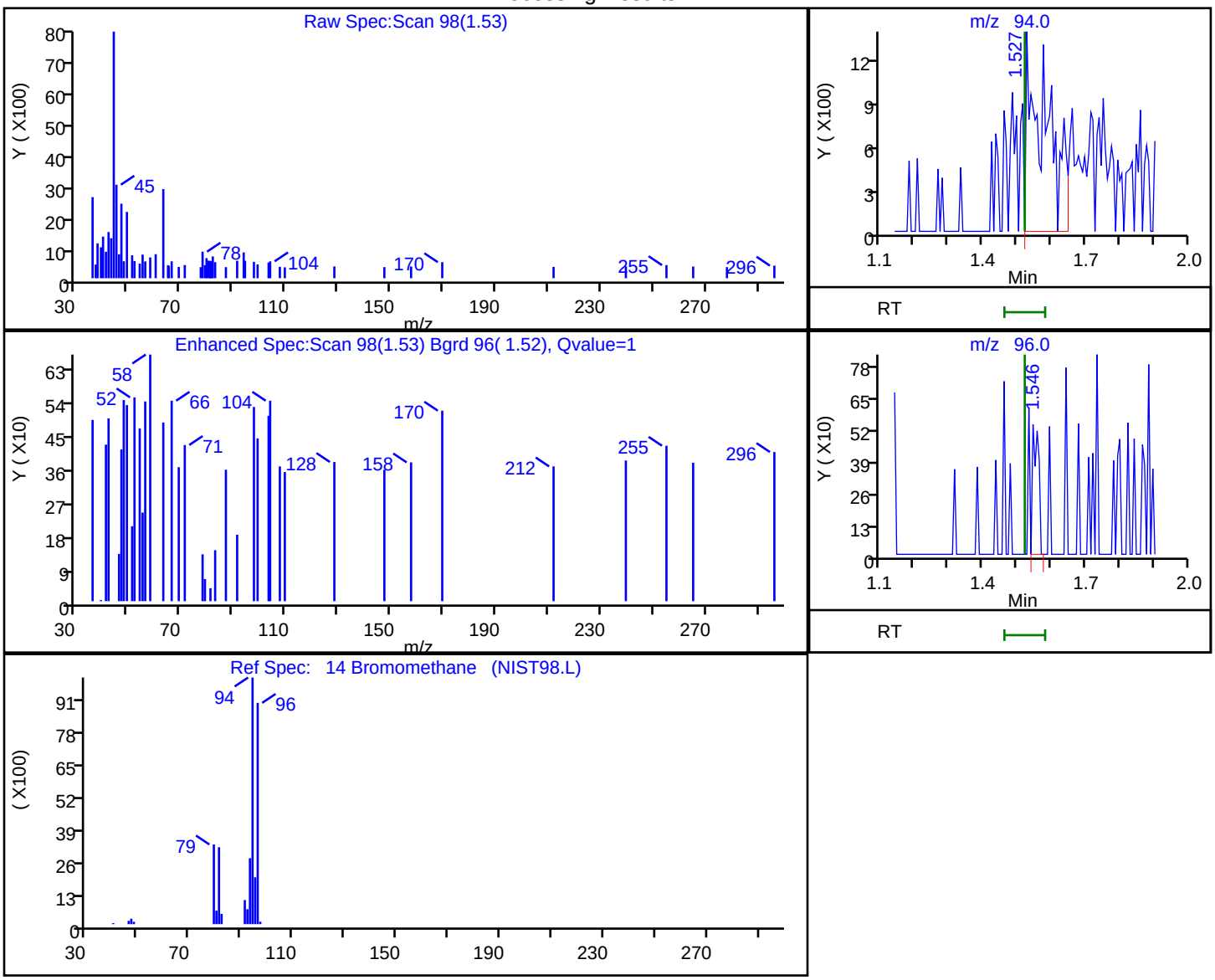
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Injection Date:	06-Mar-2022 02:23:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-5-A	Lab Sample ID:	480-195466-5		
Client ID:	SB203 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.53	94.00	5453	0.444224
1.55	96.00	655	

Reviewer: kiwana, 07-Mar-2022 11:19:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

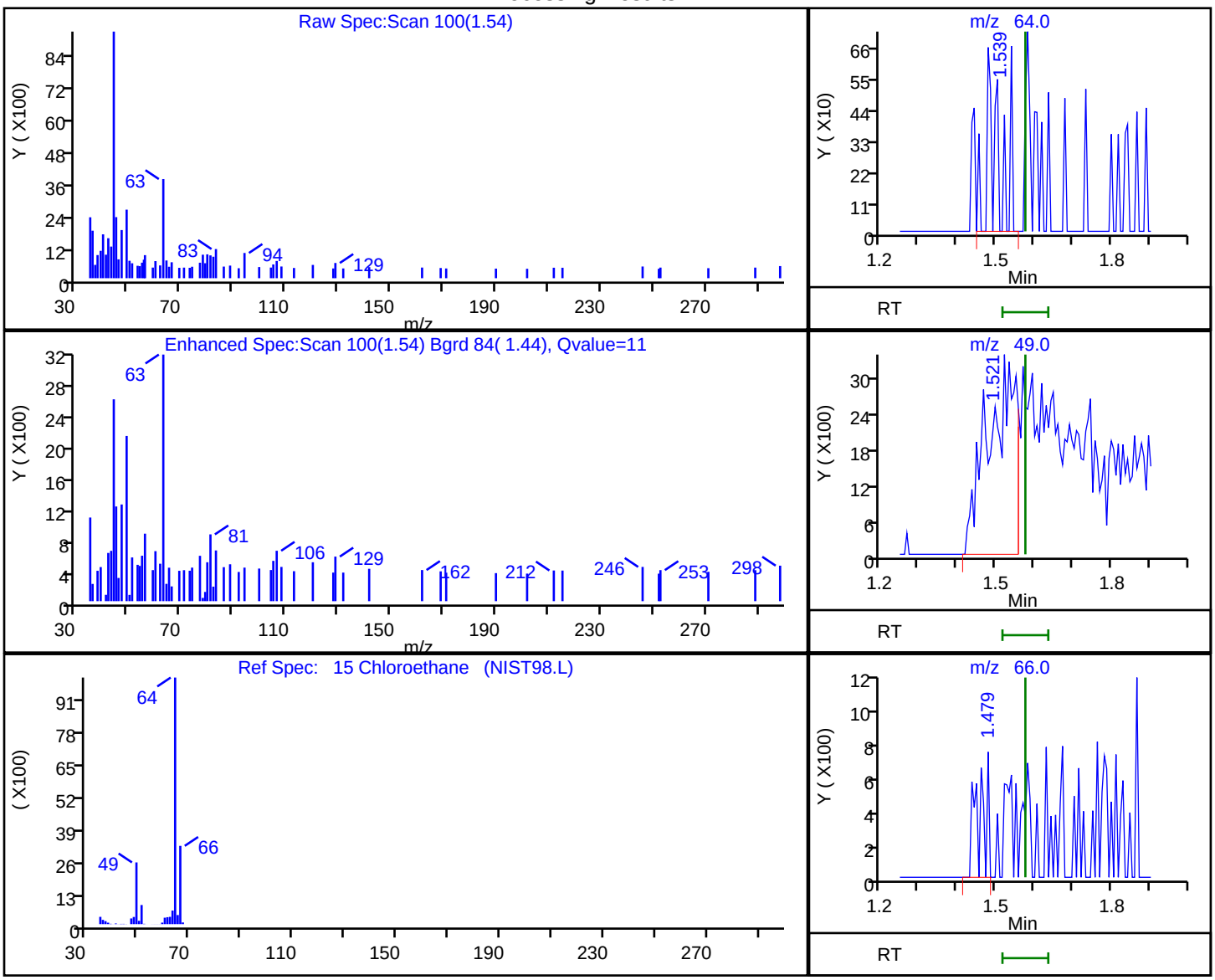
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8823.D				
Injection Date:	06-Mar-2022 02:23:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-5-A	Lab Sample ID:	480-195466-5		
Client ID:	SB203 (2-2.5)				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.54	64.00	1320	0.111781
1.52	49.00	16377	
1.48	66.00	1220	

Reviewer: kiwana, 07-Mar-2022 11:19:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB203 (5-5.5) | Lab Sample ID: 480-195466-6

Matrix: Solid | Lab File ID: S8824.D

Analysis Method: 8260C | Date Collected: 03/02/2022 12:09

Sample wt/vol: 6.821(g) | Date Analyzed: 03/06/2022 02:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 14.1 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		51	14
79-34-5	1,1,2,2-Tetrachloroethane	ND		51	8.3
79-00-5	1,1,2-Trichloroethane	ND		51	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		51	25
75-34-3	1,1-Dichloroethane	ND		51	16
75-35-4	1,1-Dichloroethene	ND		51	18
120-82-1	1,2,4-Trichlorobenzene	ND		51	19
96-12-8	1,2-Dibromo-3-Chloropropane	ND		51	25
95-50-1	1,2-Dichlorobenzene	ND		51	13
107-06-2	1,2-Dichloroethane	ND		51	21
78-87-5	1,2-Dichloropropane	ND		51	8.2
541-73-1	1,3-Dichlorobenzene	ND		51	14
106-46-7	1,4-Dichlorobenzene	ND		51	7.1
78-93-3	2-Butanone (MEK)	ND		250	150
591-78-6	2-Hexanone	ND		250	100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	16
67-64-1	Acetone	ND		250	210
71-43-2	Benzene	ND		51	9.7
75-27-4	Bromodichloromethane	ND		51	10
75-25-2	Bromoform	ND		51	25
74-83-9	Bromomethane	ND		51	11
75-15-0	Carbon disulfide	ND		51	23
56-23-5	Carbon tetrachloride	ND		51	13
108-90-7	Chlorobenzene	ND		51	6.7
124-48-1	Dibromochloromethane	ND		51	25
75-00-3	Chloroethane	ND		51	11
67-66-3	Chloroform	ND		51	35
74-87-3	Chloromethane	ND		51	12
156-59-2	cis-1,2-Dichloroethene	160		51	14
10061-01-5	cis-1,3-Dichloropropene	ND		51	12
110-82-7	Cyclohexane	ND		51	11
75-71-8	Dichlorodifluoromethane	ND		51	22
100-41-4	Ethylbenzene	ND		51	15
106-93-4	1,2-Dibromoethane	ND		51	8.9
98-82-8	Isopropylbenzene	ND		51	7.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6
Matrix: Solid
Lab File ID: S8824.D
Analysis Method: 8260C
Date Collected: 03/02/2022 12:09
Sample wt/vol: 6.821(g)
Date Analyzed: 03/06/2022 02:46
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 5(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 14.1
Level: (low/med) Medium
Analysis Batch No.: 616884
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	46	J	250	24
1634-04-4	Methyl tert-butyl ether	ND		51	19
108-87-2	Methylcyclohexane	ND		51	24
75-09-2	Methylene Chloride	ND		51	10
100-42-5	Styrene	ND		51	12
127-18-4	Tetrachloroethene	230		51	6.8
108-88-3	Toluene	ND		51	14
156-60-5	trans-1,2-Dichloroethene	13	J	51	12
10061-02-6	trans-1,3-Dichloropropene	ND		51	5.0
79-01-6	Trichloroethene	37	J	51	14
75-69-4	Trichlorofluoromethane	ND		51	24
75-01-4	Vinyl chloride	ND		51	17
1330-20-7	Xylenes, Total	ND		100	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148
1868-53-7	Dibromofluoromethane (Surr)	83		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D
Lims ID: 480-195466-B-6-A
Client ID: SB203 (5-5.5)
Sample Type: Client
Inject. Date: 06-Mar-2022 02:46:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-5-A
Misc. Info.: 480-0104224-014
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:22:12 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:22:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	194324	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	85	373569	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	95	397851	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	65	227613	20.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	92	168956	23.9	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	84	963462	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	308534	24.6	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	U
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43	2.598	2.592	0.006	89	13313	0.8951	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96	2.884	2.890	-0.006	77	3479	0.2560	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	71	44978	3.07	
43 2-Butanone (MEK)	43	3.894	3.882	0.012	93	13843	1.50	
50 Chloroform	83	4.155	4.149	0.006	1	2763	0.1095	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.202	5.202	0.000	73	10023	0.7331	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.299	5.305	-0.006	2	3569	0.1602	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	
81 Tetrachloroethene	166	6.942	6.942	0.000	90	69452	4.53	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

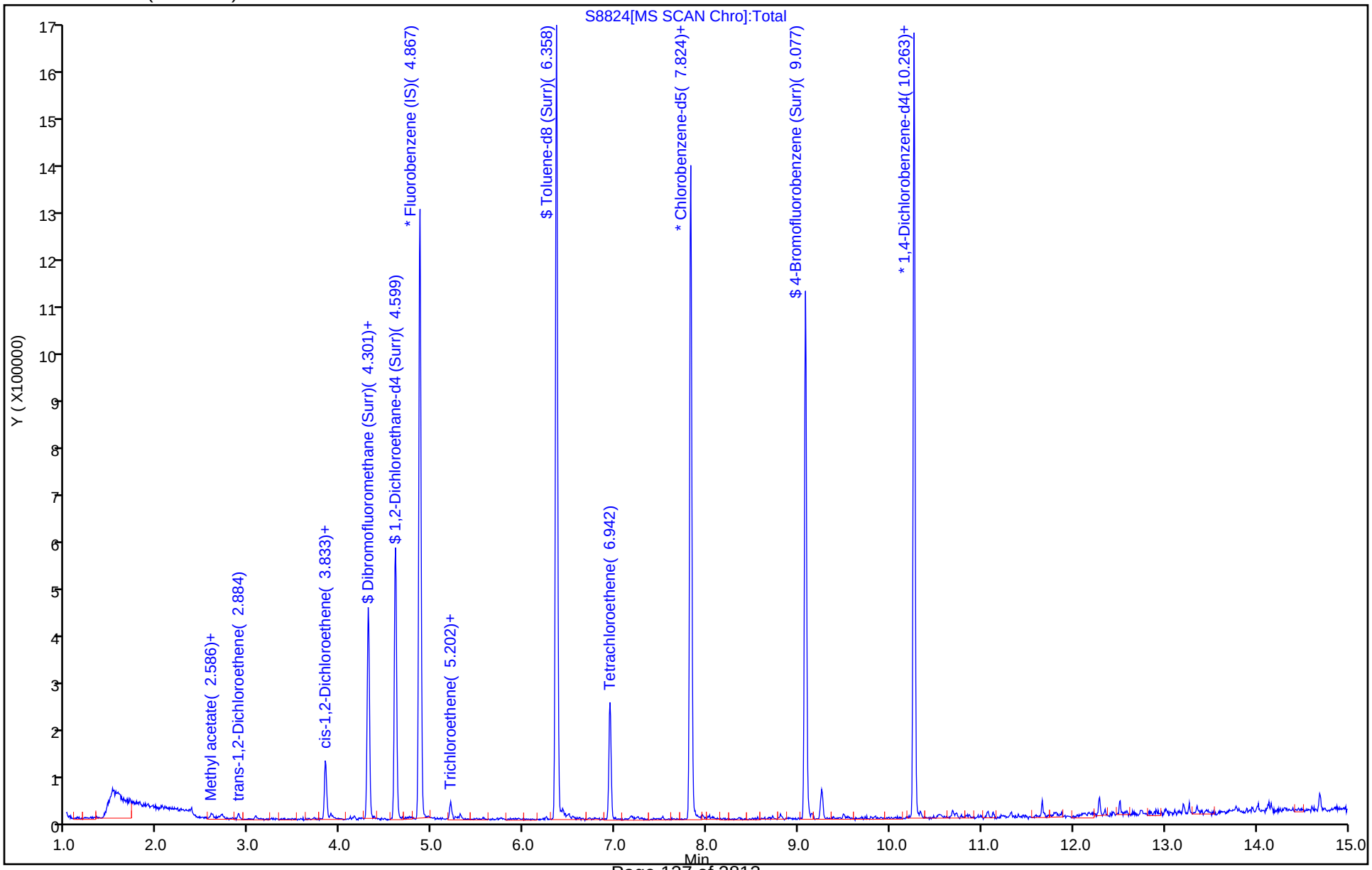
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6	Worklist Smp#:	14
Client ID:	SB203 (5-5.5)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Lims ID:	480-195466-B-6-A				
Client ID:	SB203 (5-5.5)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 02:46:30	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-195466-B-5-A				
Misc. Info.:	480-0104224-014				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:22:12	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:22:12

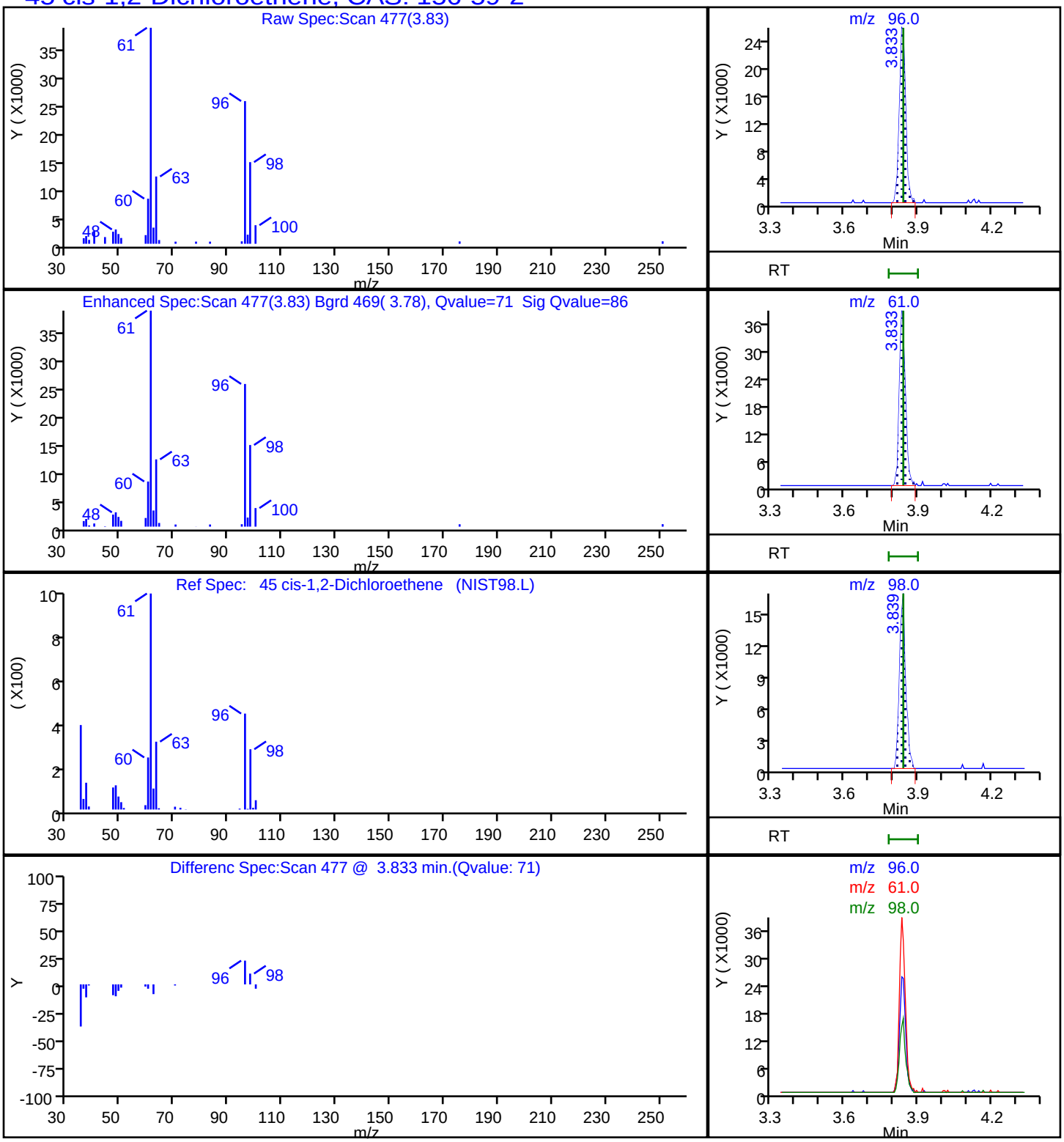
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	20.7	82.78
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.9	95.47
$ 5 Toluene-d8 (Surr)	25.0	24.5	97.88
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.6	98.31

Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

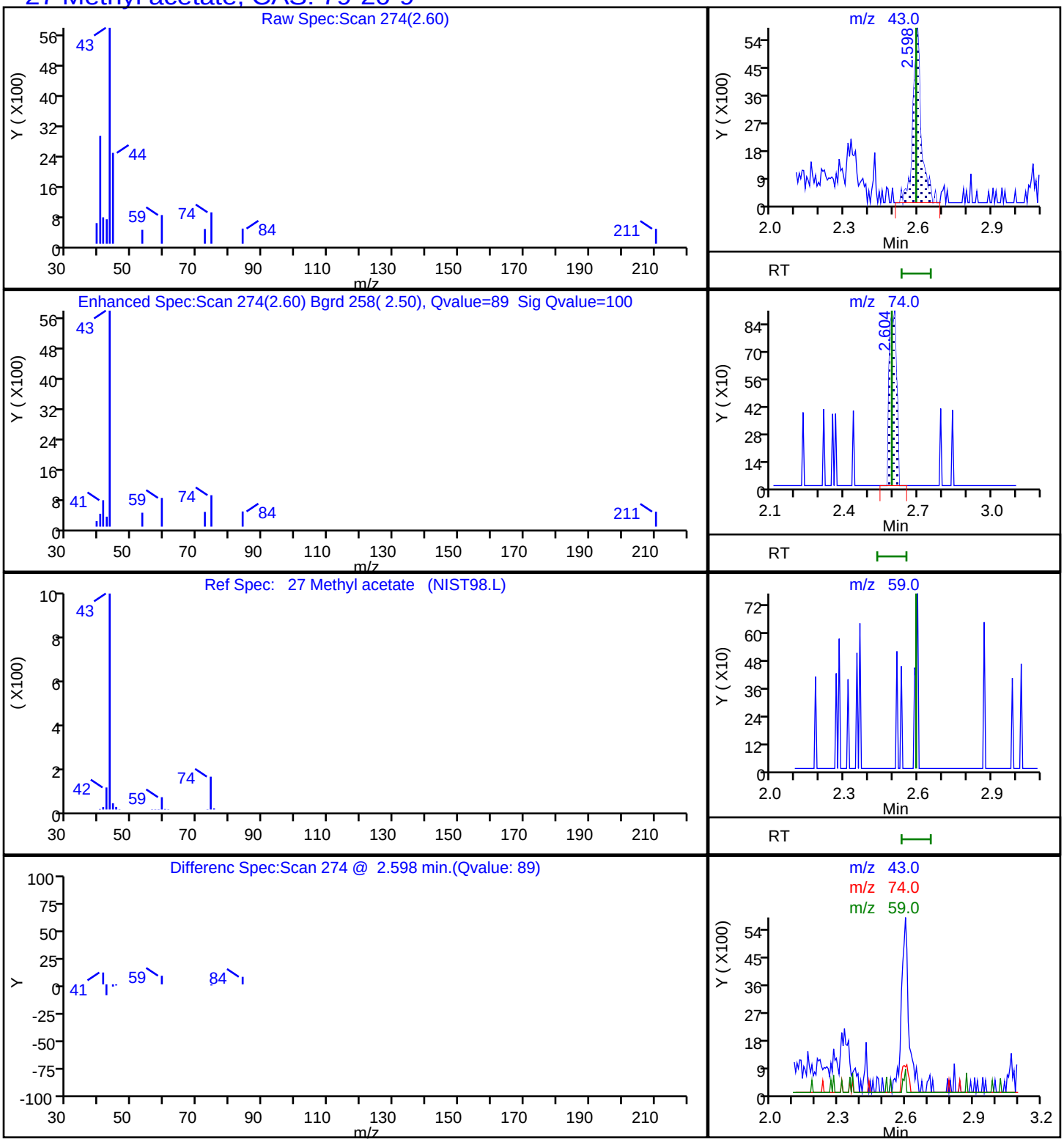


Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

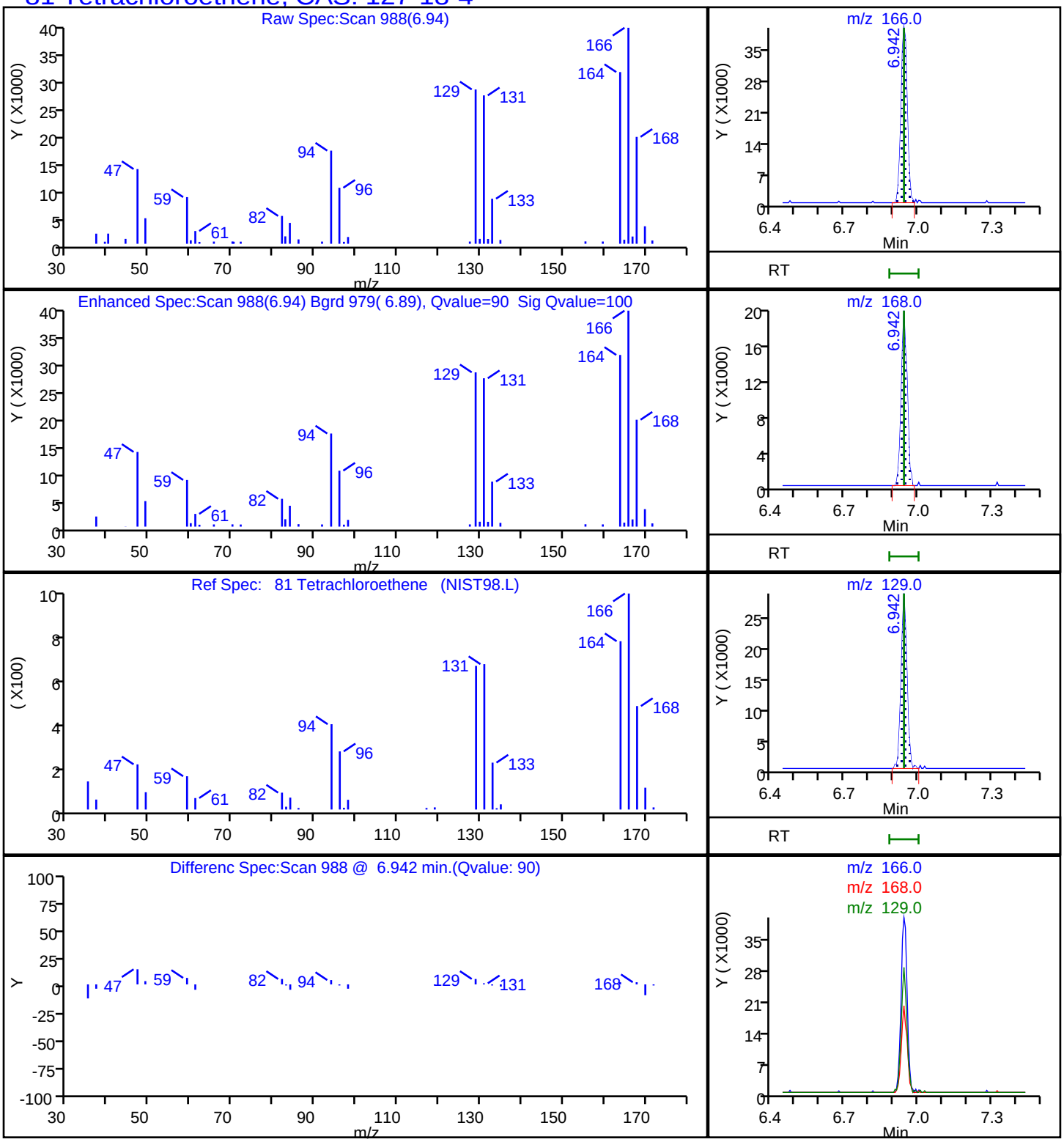


Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

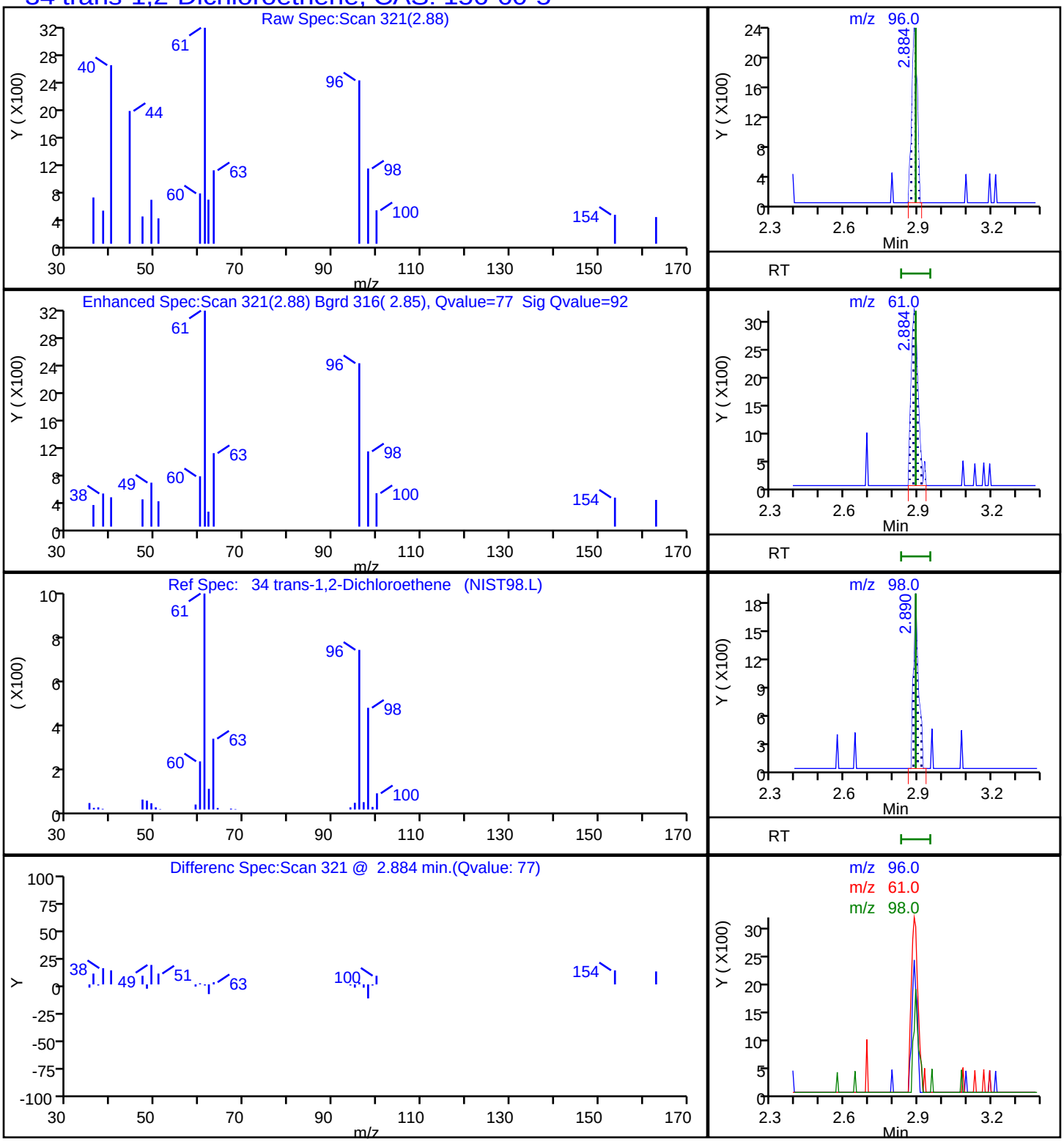


Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

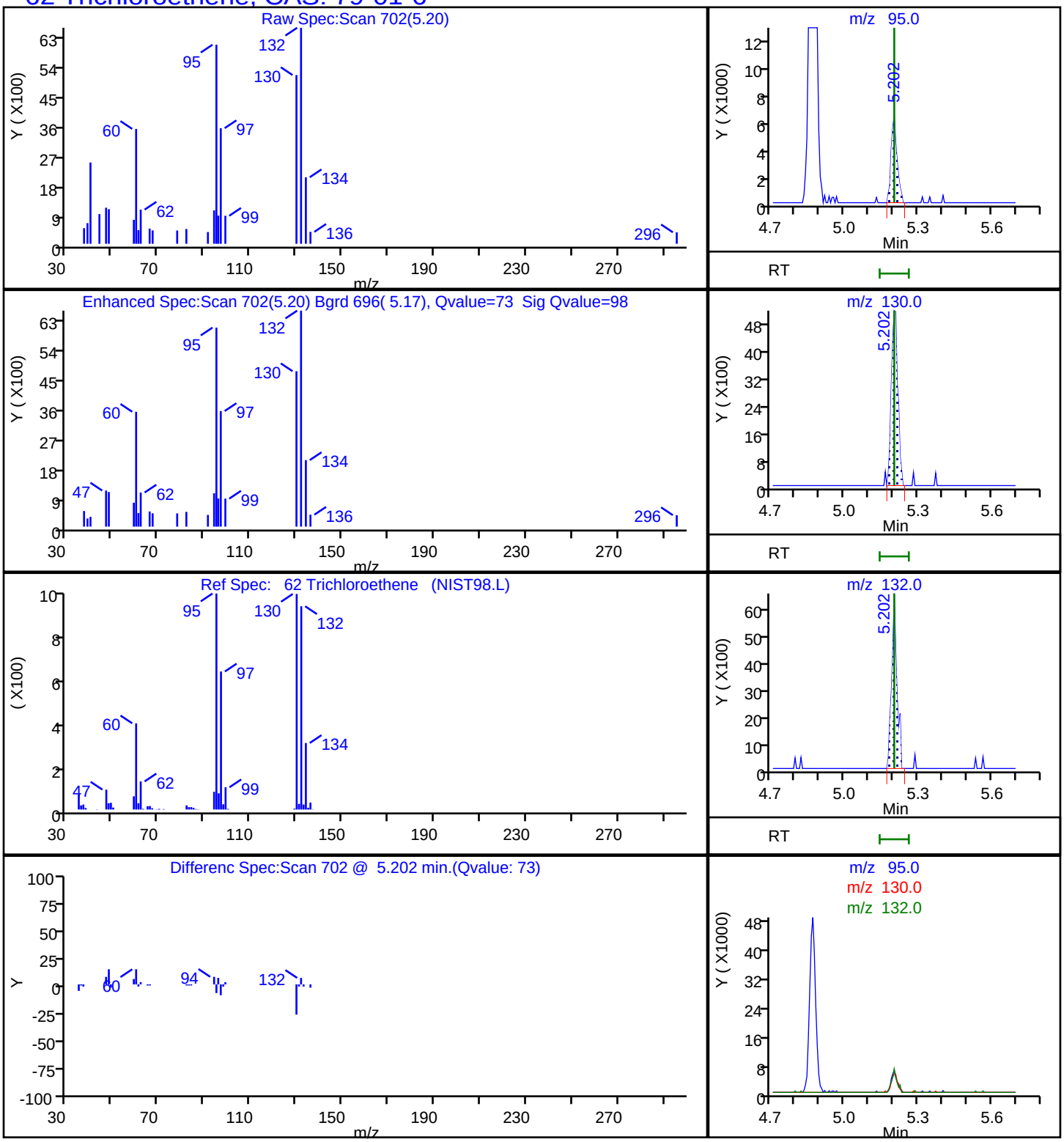


Report Date: 07-Mar-2022 11:22:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



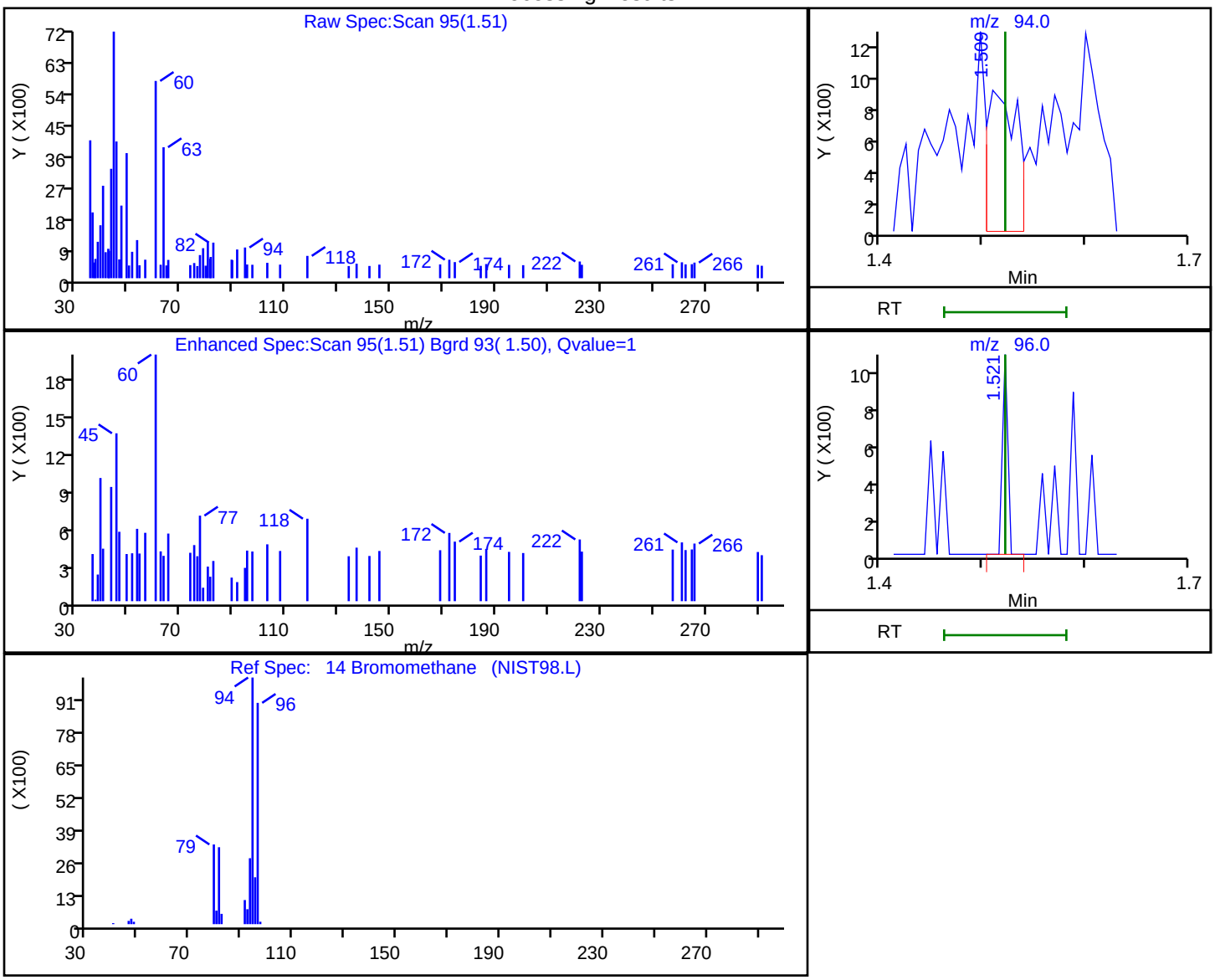
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.51	94.00	1833	0.144220
1.52	96.00	366	

Reviewer: kiwana, 07-Mar-2022 11:21:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

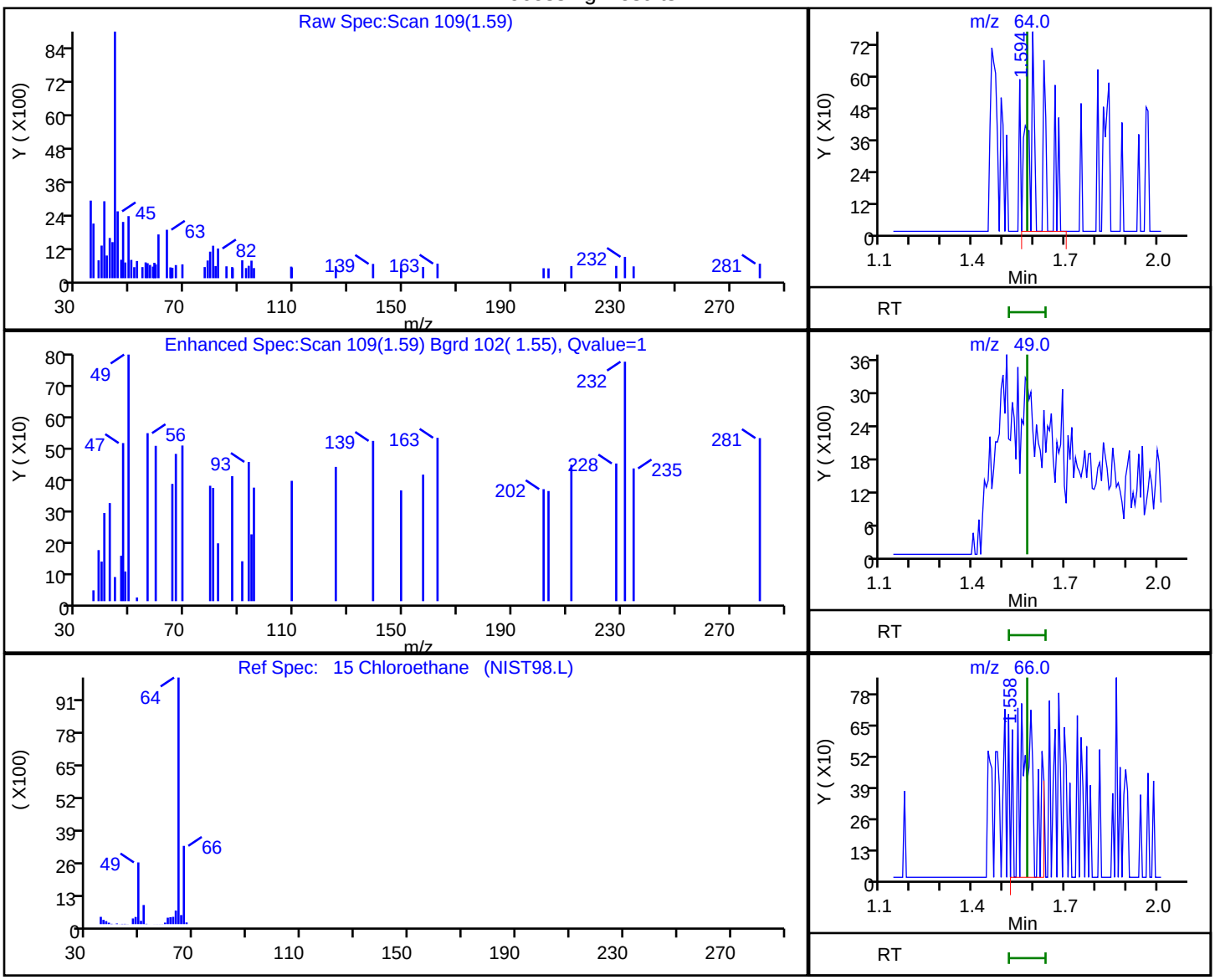
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8824.D				
Injection Date:	06-Mar-2022 02:46:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-6-A	Lab Sample ID:	480-195466-6		
Client ID:	SB203 (5-5.5)				
Operator ID:	OI	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.59	64.00	1736	0.141985
1.58	49.00	0	
1.56	66.00	2375	

Reviewer: kiwana, 07-Mar-2022 11:21:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB204 (2.75-3.2) | Lab Sample ID: 480-195466-7

Matrix: Solid | Lab File ID: S8825.D

Analysis Method: 8260C | Date Collected: 03/02/2022 12:55

Sample wt/vol: 6.575(g) | Date Analyzed: 03/06/2022 03:10

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.3 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		240	65
79-34-5	1,1,2,2-Tetrachloroethane	ND		240	38
79-00-5	1,1,2-Trichloroethane	ND		240	50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		240	120
75-34-3	1,1-Dichloroethane	ND		240	73
75-35-4	1,1-Dichloroethene	ND		240	82
120-82-1	1,2,4-Trichlorobenzene	ND		240	89
96-12-8	1,2-Dibromo-3-Chloropropane	ND		240	120
95-50-1	1,2-Dichlorobenzene	ND		240	60
107-06-2	1,2-Dichloroethane	ND		240	97
78-87-5	1,2-Dichloropropane	ND		240	38
541-73-1	1,3-Dichlorobenzene	ND		240	63
106-46-7	1,4-Dichlorobenzene	ND		240	33
78-93-3	2-Butanone (MEK)	ND		1200	700
591-78-6	2-Hexanone	ND		1200	480
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1200	76
67-64-1	Acetone	ND		1200	970
71-43-2	Benzene	ND		240	45
75-27-4	Bromodichloromethane	ND		240	47
75-25-2	Bromoform	ND		240	120
74-83-9	Bromomethane	ND		240	52
75-15-0	Carbon disulfide	ND		240	110
56-23-5	Carbon tetrachloride	ND		240	60
108-90-7	Chlorobenzene	ND		240	31
124-48-1	Dibromochloromethane	ND		240	110
75-00-3	Chloroethane	ND		240	49
67-66-3	Chloroform	ND		240	160
74-87-3	Chloromethane	ND		240	56
156-59-2	cis-1,2-Dichloroethene	3000		240	65
10061-01-5	cis-1,3-Dichloropropene	ND		240	56
110-82-7	Cyclohexane	ND		240	52
75-71-8	Dichlorodifluoromethane	ND		240	100
100-41-4	Ethylbenzene	ND		240	69
106-93-4	1,2-Dibromoethane	ND		240	41
98-82-8	Isopropylbenzene	ND		240	35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB204 (2.75-3.2) | Lab Sample ID: 480-195466-7

Matrix: Solid | Lab File ID: S8825.D

Analysis Method: 8260C | Date Collected: 03/02/2022 12:55

Sample wt/vol: 6.575(g) | Date Analyzed: 03/06/2022 03:10

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 19.3 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1200	110
1634-04-4	Methyl tert-butyl ether	ND		240	89
108-87-2	Methylcyclohexane	ND		240	110
75-09-2	Methylene Chloride	ND		240	47
100-42-5	Styrene	ND		240	57
127-18-4	Tetrachloroethene	19000		240	32
108-88-3	Toluene	ND		240	63
156-60-5	trans-1,2-Dichloroethene	1300		240	56
10061-02-6	trans-1,3-Dichloropropene	ND		240	23
79-01-6	Trichloroethene	7000		240	66
75-69-4	Trichlorofluoromethane	ND		240	110
75-01-4	Vinyl chloride	ND		240	79
1330-20-7	Xylenes, Total	ND		470	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D
Lims ID: 480-195466-B-7-A
Client ID: SB204 (2.75-3.2)
Sample Type: Client
Inject. Date: 06-Mar-2022 03:10:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-195466-B-6-A
Misc. Info.: 480-0104224-015
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:23:02 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:23:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	99	187653	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	381421	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	94	394502	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	71	237235	22.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	91	168854	24.7	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	84	962077	23.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	93	307403	24.0	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62	1.247	1.254	-0.007	35	4559	0.2599	
14 Bromomethane	94		1.521				ND	7
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	93	69495	5.29	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	71	179924	12.7	
43 2-Butanone (MEK)	43		3.882				ND	
50 Chloroform	83	4.143	4.149	-0.006	53	2990	0.1227	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78	4.600	4.593	0.007	14	5901	0.1113	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.202	5.202	0.000	90	391844	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.305	5.305	0.000	44	3438	0.1598	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	93	1239959	79.1	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	7
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	7
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

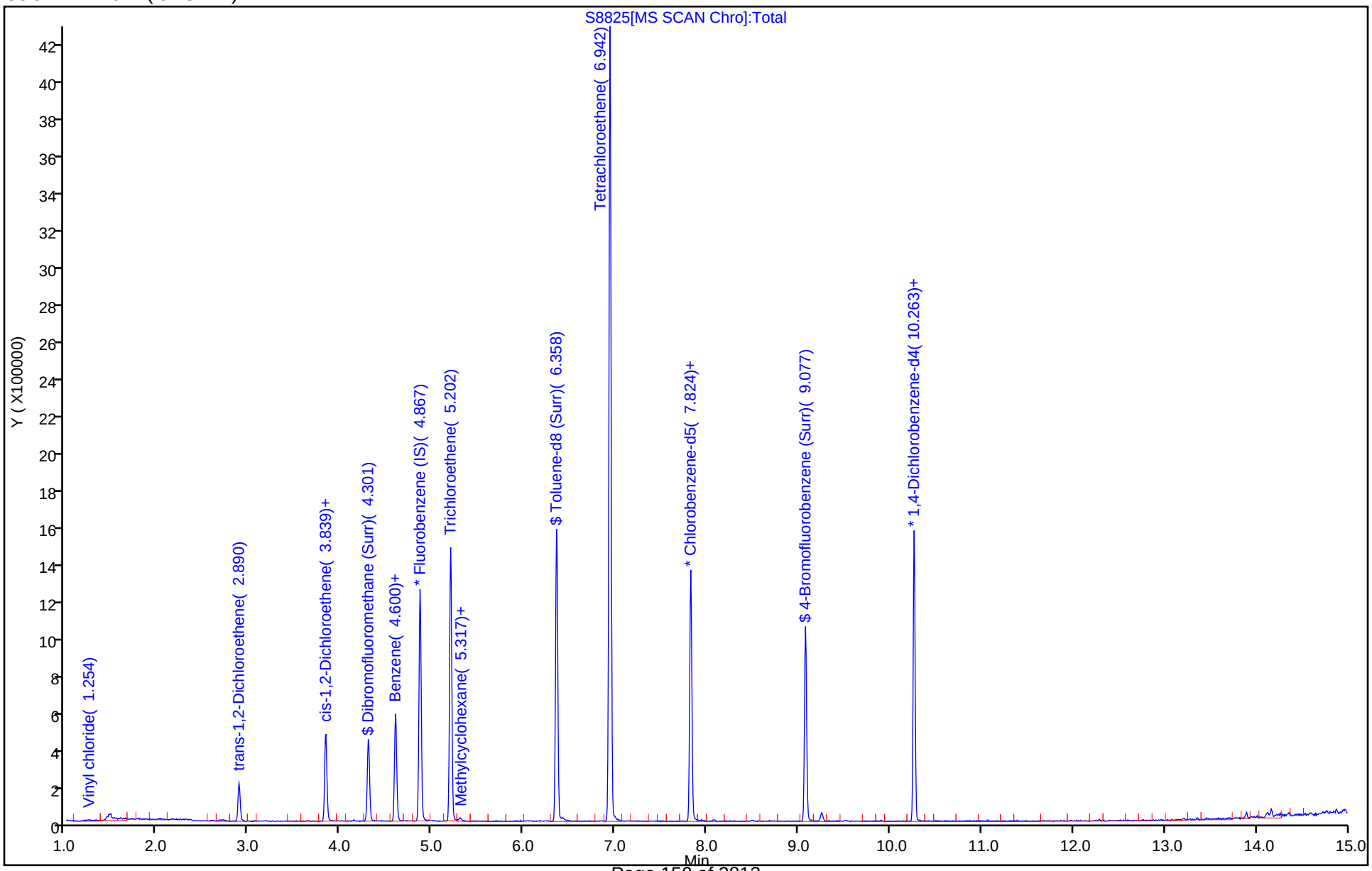
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:23:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7	Worklist Smp#:	15
Client ID:	SB204 (2.75-3.2)				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Lims ID:	480-195466-B-7-A				
Client ID:	SB204 (2.75-3.2)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 03:10:30	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Sample Info:	480-195466-B-6-A				
Misc. Info.:	480-0104224-015				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:23:02	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:23:02

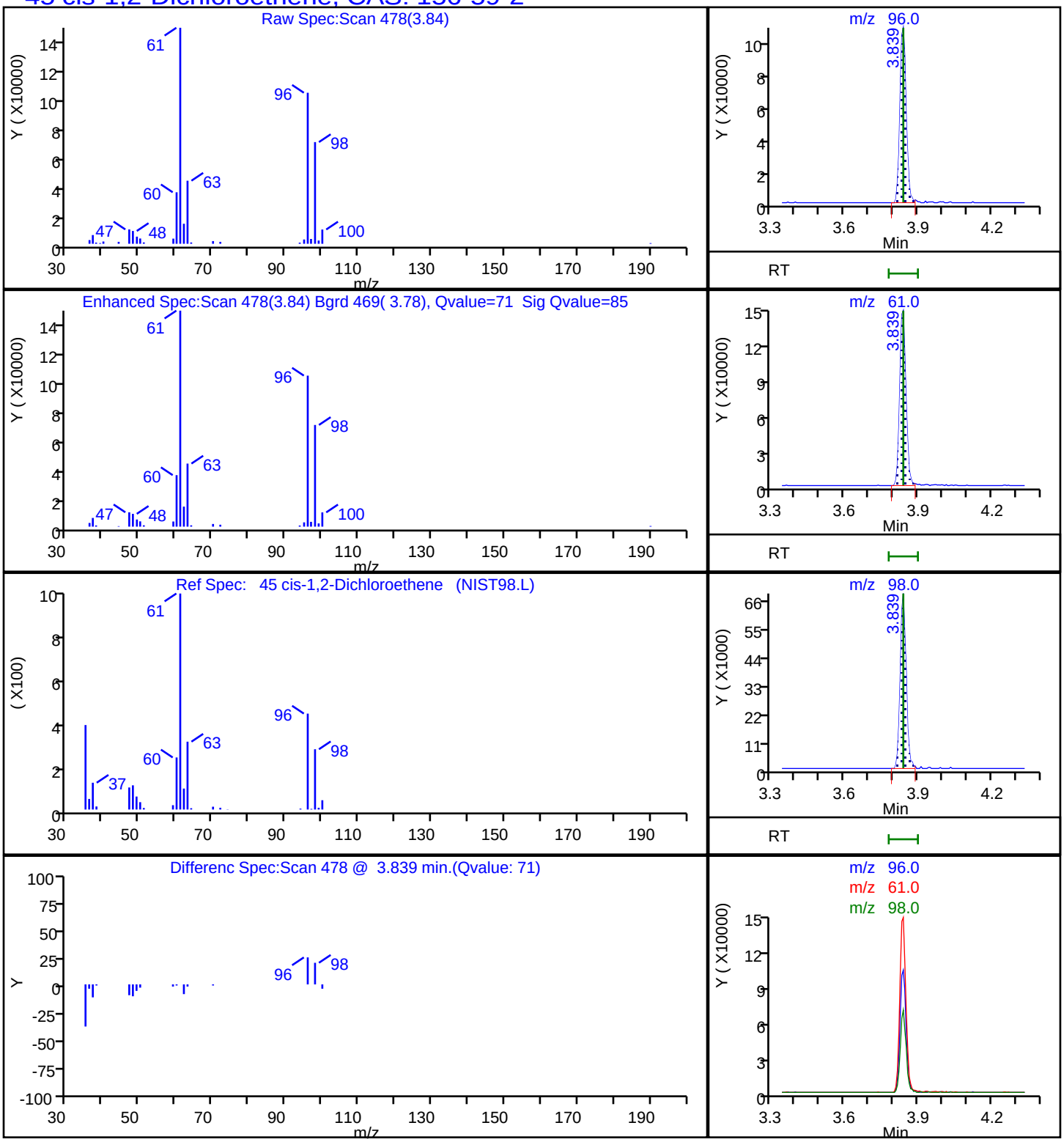
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.3	89.35
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.7	98.81
$ 5 Toluene-d8 (Surr)	25.0	23.9	95.72
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.0	95.94

Report Date: 07-Mar-2022 11:23:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7		
Client ID:	SB204 (2.75-3.2)				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

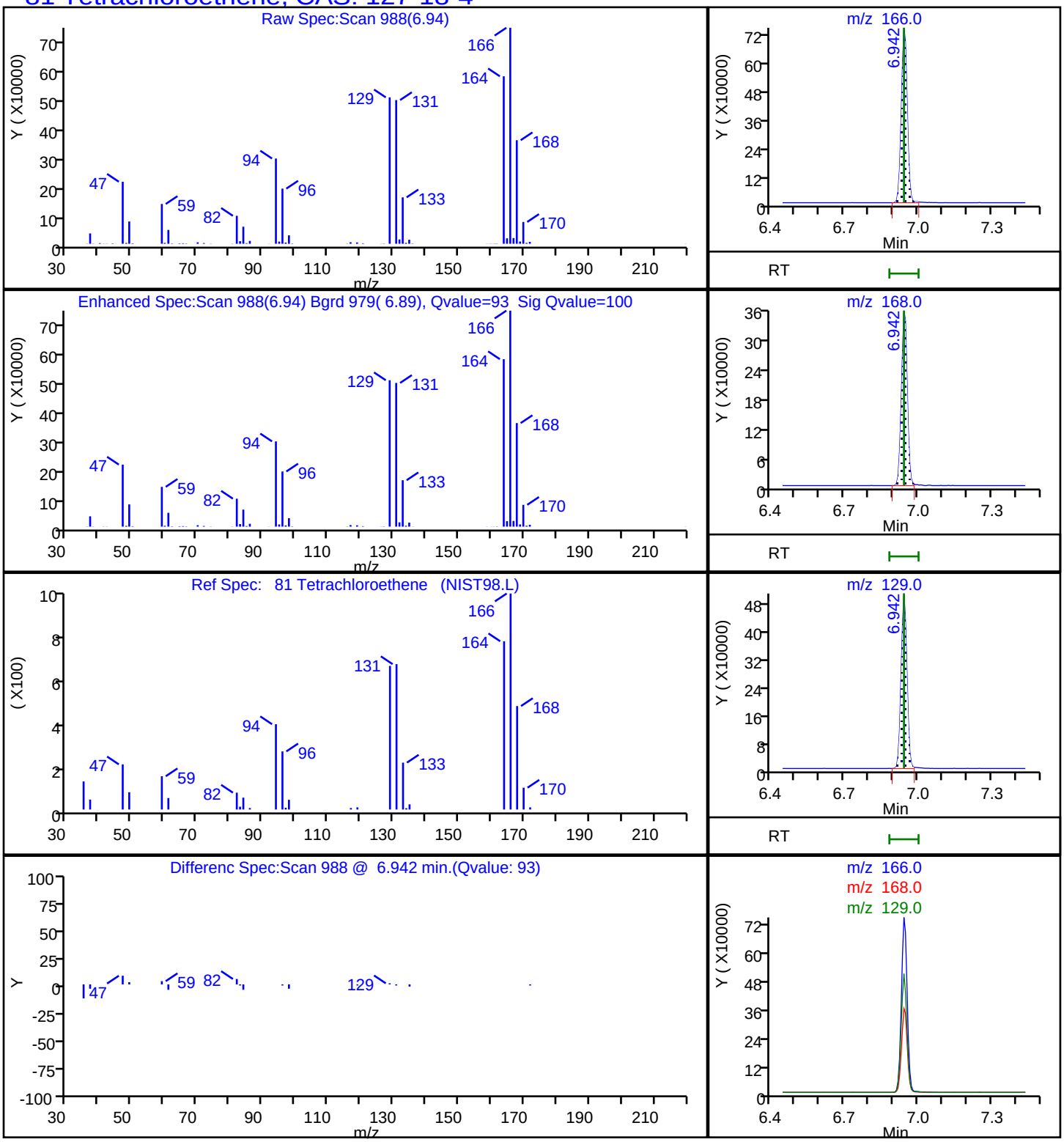


Report Date: 07-Mar-2022 11:23:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7		
Client ID:	SB204 (2.75-3.2)				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

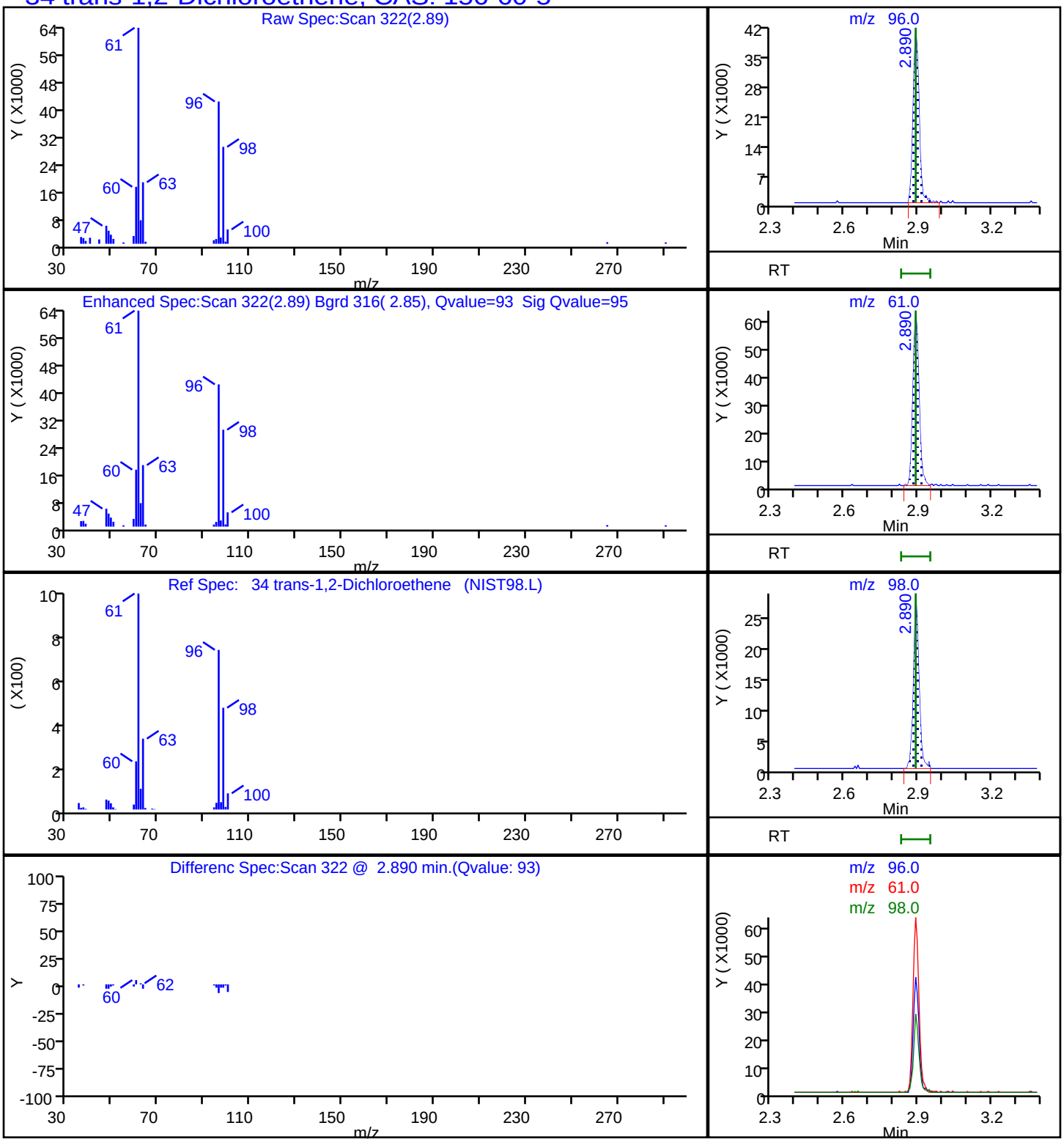


Report Date: 07-Mar-2022 11:23:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7		
Client ID:	SB204 (2.75-3.2)				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

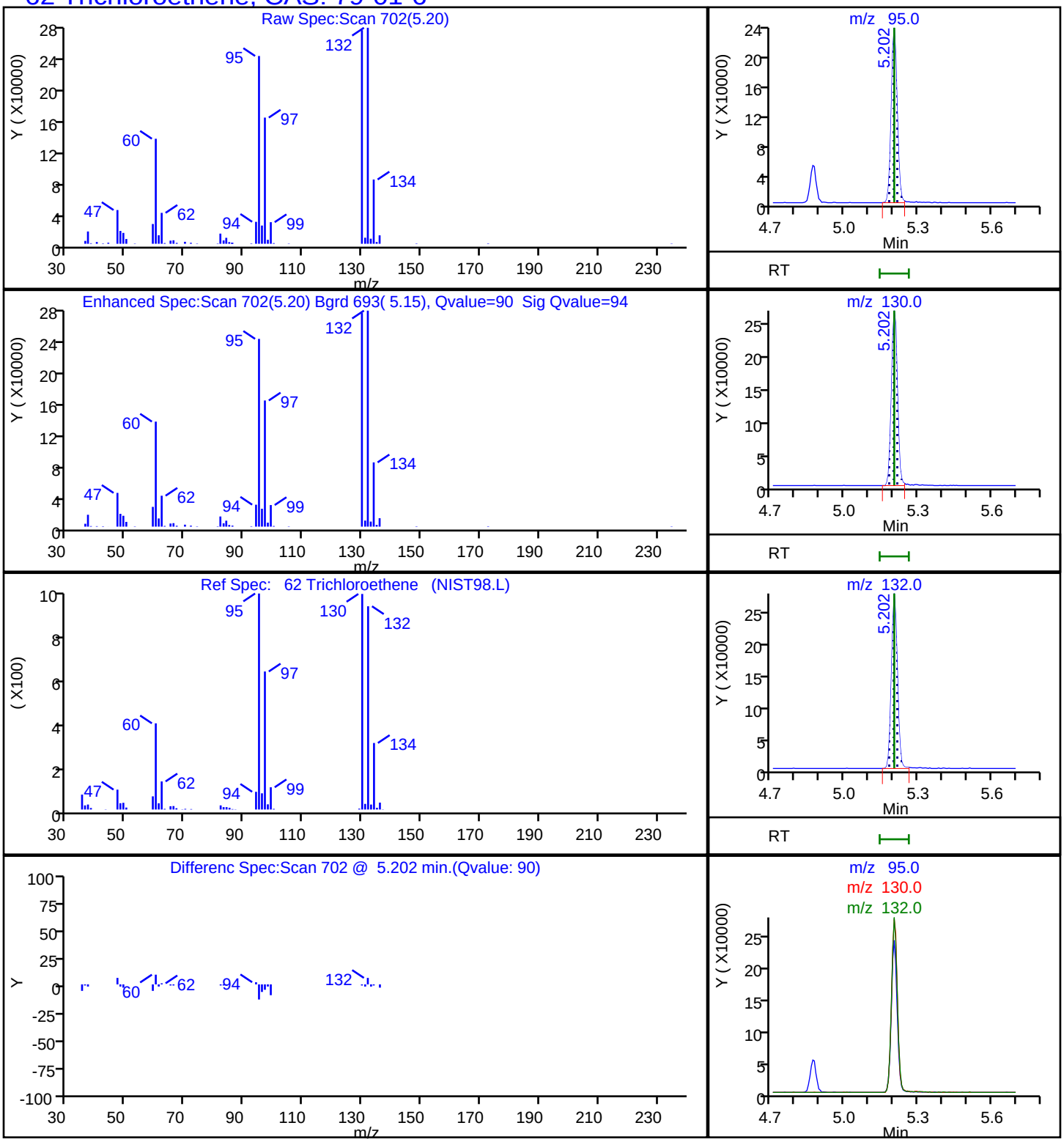


Report Date: 07-Mar-2022 11:23:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7		
Client ID:	SB204 (2.75-3.2)				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



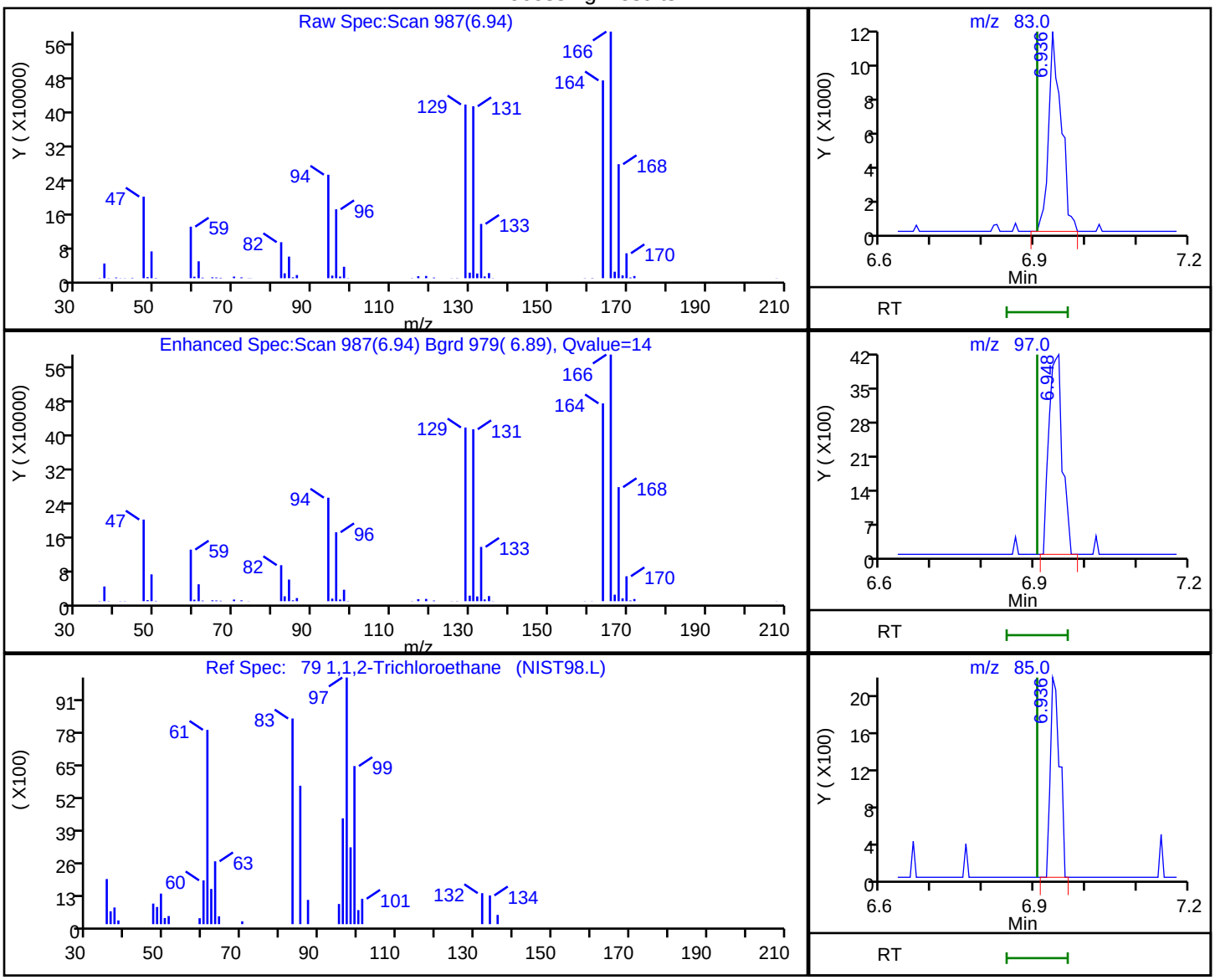
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8825.D				
Injection Date:	06-Mar-2022 03:10:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-7-A	Lab Sample ID:	480-195466-7		
Client ID:	SB204 (2.75-3.2)				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	19664	1.995141
6.95	97.00	7571	
6.94	85.00	2685	

Reviewer: kiwana, 07-Mar-2022 11:22:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB204 (5.5-6.0) | Lab Sample ID: 480-195466-8

Matrix: Solid | Lab File ID: S8826.D

Analysis Method: 8260C | Date Collected: 03/02/2022 13:23

Sample wt/vol: 6.646(g) | Date Analyzed: 03/06/2022 03:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 20.6 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		60	17
79-34-5	1,1,2,2-Tetrachloroethane	ND		60	9.8
79-00-5	1,1,2-Trichloroethane	ND		60	13
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30
75-34-3	1,1-Dichloroethane	ND		60	19
75-35-4	1,1-Dichloroethene	ND		60	21
120-82-1	1,2,4-Trichlorobenzene	ND		60	23
96-12-8	1,2-Dibromo-3-Chloropropane	ND		60	30
95-50-1	1,2-Dichlorobenzene	ND		60	15
107-06-2	1,2-Dichloroethane	ND		60	25
78-87-5	1,2-Dichloropropane	ND		60	9.8
541-73-1	1,3-Dichlorobenzene	ND		60	16
106-46-7	1,4-Dichlorobenzene	ND		60	8.5
78-93-3	2-Butanone (MEK)	ND		300	180
591-78-6	2-Hexanone	ND		300	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		300	19
67-64-1	Acetone	ND		300	250
71-43-2	Benzene	ND		60	11
75-27-4	Bromodichloromethane	ND		60	12
75-25-2	Bromoform	ND		60	30
74-83-9	Bromomethane	ND		60	13
75-15-0	Carbon disulfide	ND		60	27
56-23-5	Carbon tetrachloride	ND		60	15
108-90-7	Chlorobenzene	ND		60	8.0
124-48-1	Dibromochloromethane	ND		60	29
75-00-3	Chloroethane	ND		60	13
67-66-3	Chloroform	ND		60	41
74-87-3	Chloromethane	ND		60	14
156-59-2	cis-1,2-Dichloroethene	990		60	17
10061-01-5	cis-1,3-Dichloropropene	ND		60	14
110-82-7	Cyclohexane	ND		60	13
75-71-8	Dichlorodifluoromethane	ND		60	26
100-41-4	Ethylbenzene	ND		60	18
106-93-4	1,2-Dibromoethane	ND		60	11
98-82-8	Isopropylbenzene	ND		60	9.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: SB204 (5.5-6.0) | Lab Sample ID: 480-195466-8

Matrix: Solid | Lab File ID: S8826.D

Analysis Method: 8260C | Date Collected: 03/02/2022 13:23

Sample wt/vol: 6.646(g) | Date Analyzed: 03/06/2022 03:34

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 20.6 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		300	29
1634-04-4	Methyl tert-butyl ether	ND		60	23
108-87-2	Methylcyclohexane	ND		60	28
75-09-2	Methylene Chloride	ND		60	12
100-42-5	Styrene	ND		60	15
127-18-4	Tetrachloroethene	26	J	60	8.1
108-88-3	Toluene	ND		60	16
156-60-5	trans-1,2-Dichloroethene	28	J	60	14
10061-02-6	trans-1,3-Dichloropropene	ND		60	5.9
79-01-6	Trichloroethene	ND		60	17
75-69-4	Trichlorofluoromethane	ND		60	28
75-01-4	Vinyl chloride	33	J	60	20
1330-20-7	Xylenes, Total	ND		120	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D
Lims ID: 480-195466-B-8-A
Client ID: SB204 (5.5-6.0)
Sample Type: Client
Inject. Date: 06-Mar-2022 03:34:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-7-A
Misc. Info.: 480-0104224-016
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:46:15 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:49:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.861	4.867	-0.006	98	187501	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	83	362994	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	94	388375	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	65	236388	22.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	97	170020	24.9	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	94	928855	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	288182	23.6	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	7
13 Vinyl chloride	62	1.247	1.254	-0.007	45	9566	0.5457	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96	2.878	2.890	-0.012	76	6175	0.4709	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	72	230542	16.3	
43 2-Butanone (MEK)	43	3.894	3.882	0.012	35	8278	0.9314	
50 Chloroform	83	4.149	4.149	0.000	36	3200	0.1314	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.208	5.202	0.006	42	2188	0.1658	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.305				ND	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	
81 Tetrachloroethene	166	6.936	6.942	-0.006	68	6510	0.4366	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

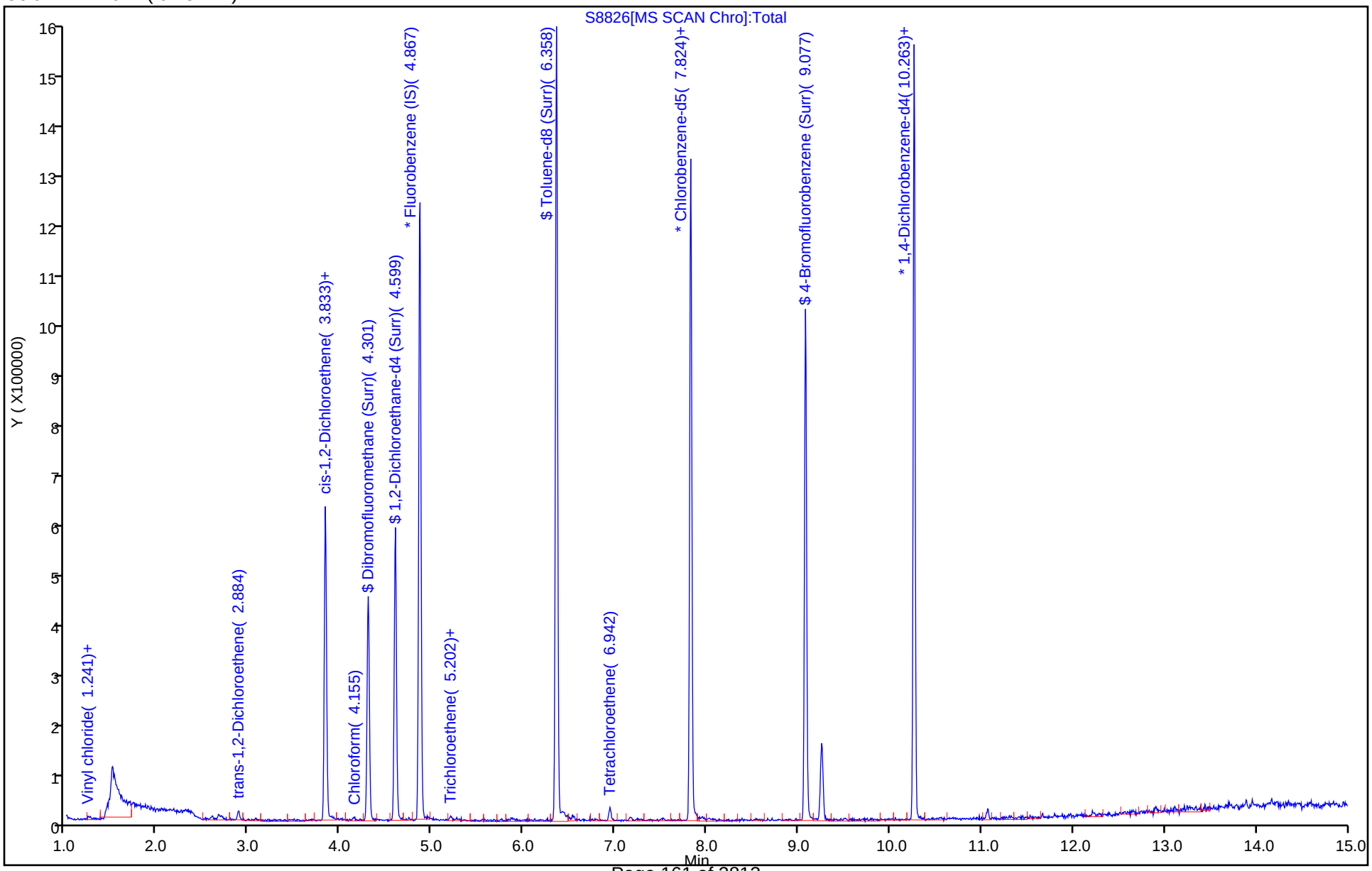
Reagents:

S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:49:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8	Worklist Smp#:	16
Client ID:	SB204 (5.5-6.0)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column: ZB-624 (0.18 mm)					



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Lims ID:	480-195466-B-8-A				
Client ID:	SB204 (5.5-6.0)				
Sample Type:	Client				
Inject. Date:	06-Mar-2022 03:34:30	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-195466-B-7-A				
Misc. Info.:	480-0104224-016				
Operator ID:	OI	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	07-Mar-2022 11:46:15	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1684	

First Level Reviewer: kiwana Date: 07-Mar-2022 11:49:31

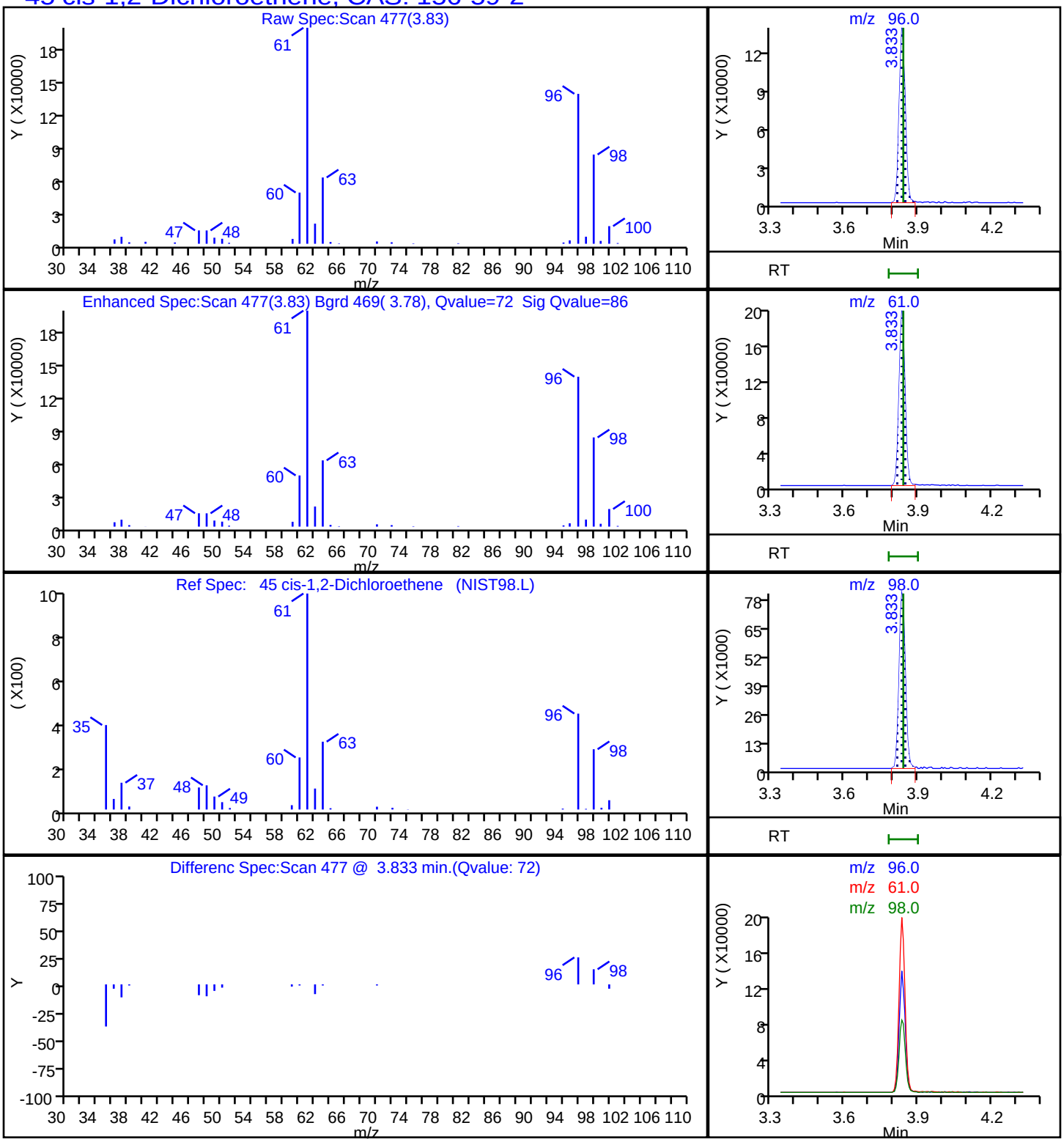
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.3	89.10
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.57
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.11
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.6	94.50

Report Date: 07-Mar-2022 11:49:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8		
Client ID:	SB204 (5.5-6.0)				
Operator ID:	OI	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

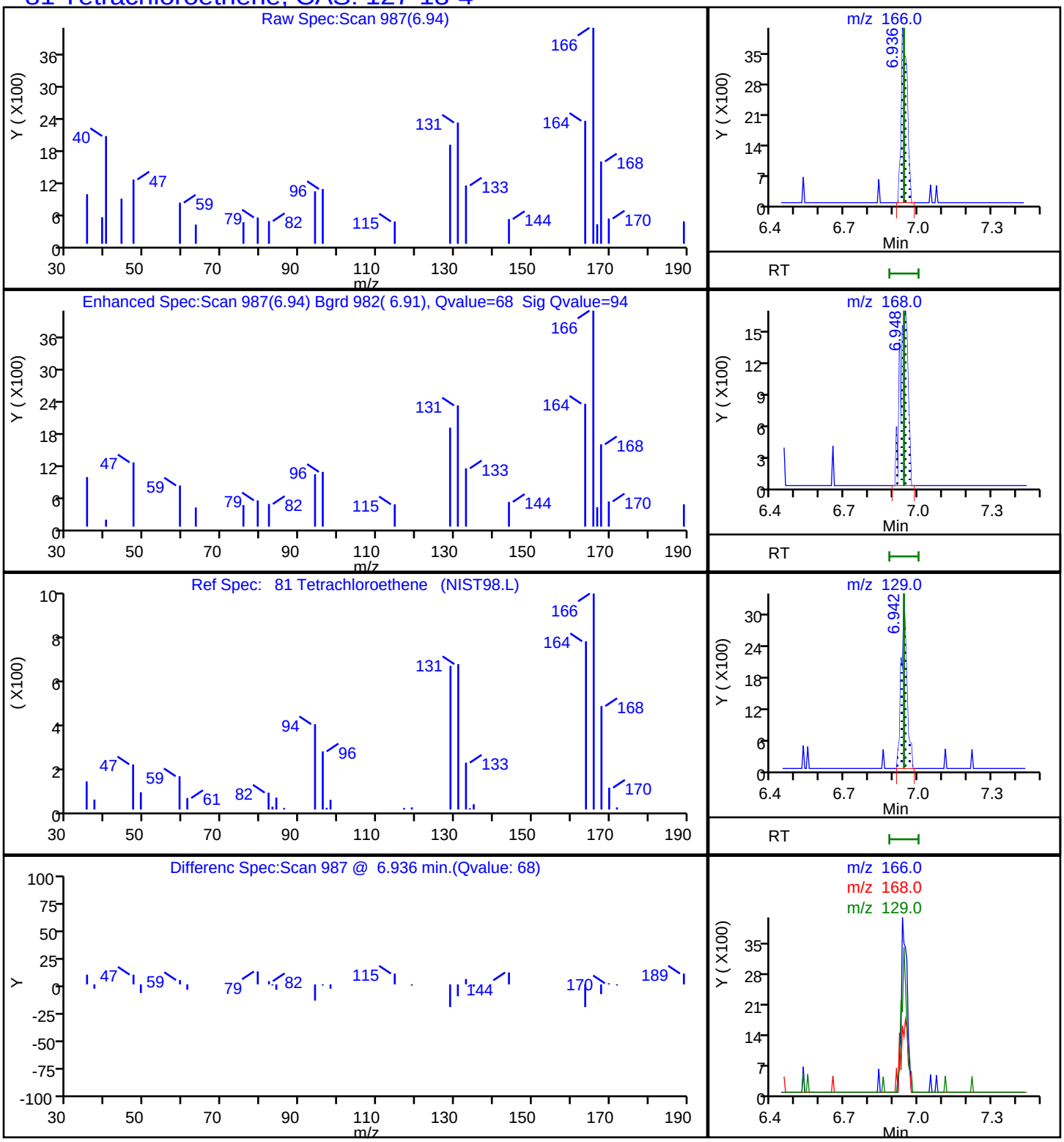


Report Date: 07-Mar-2022 11:49:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8		
Client ID:	SB204 (5.5-6.0)				
Operator ID:	OI	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

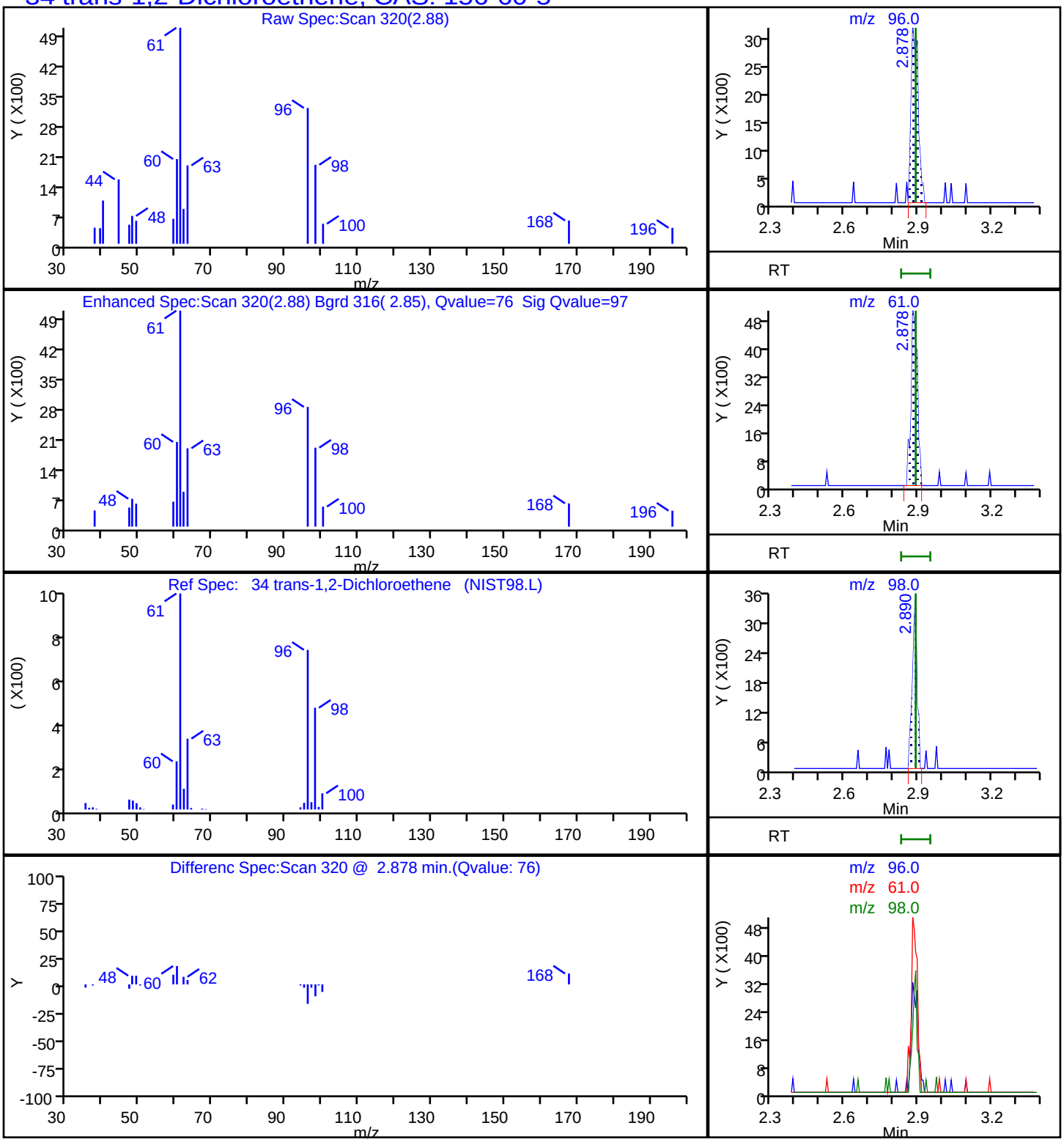


Report Date: 07-Mar-2022 11:49:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8		
Client ID:	SB204 (5.5-6.0)				
Operator ID:	OI	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

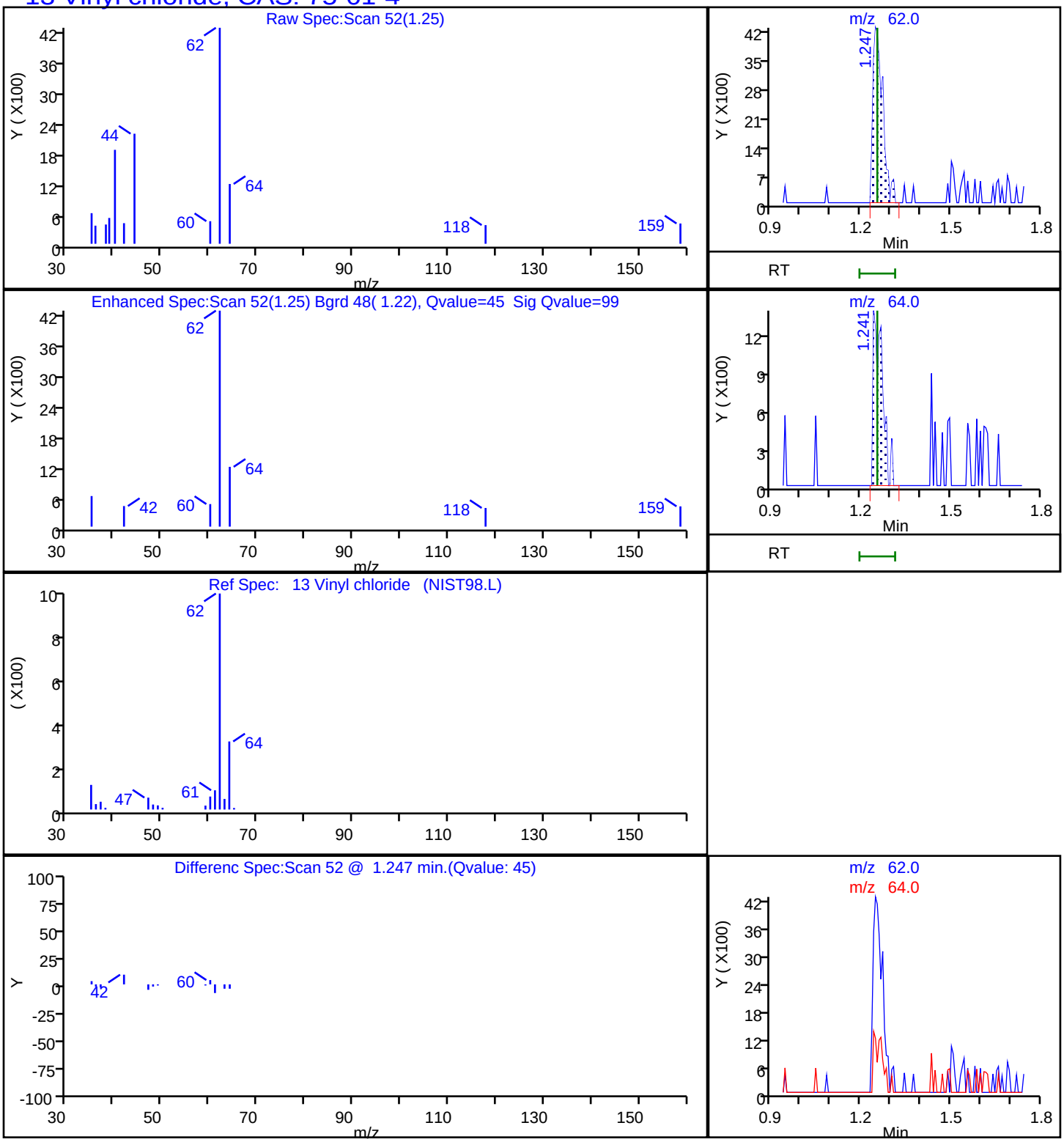


Report Date: 07-Mar-2022 11:49:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8		
Client ID:	SB204 (5.5-6.0)				
Operator ID:	OI	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



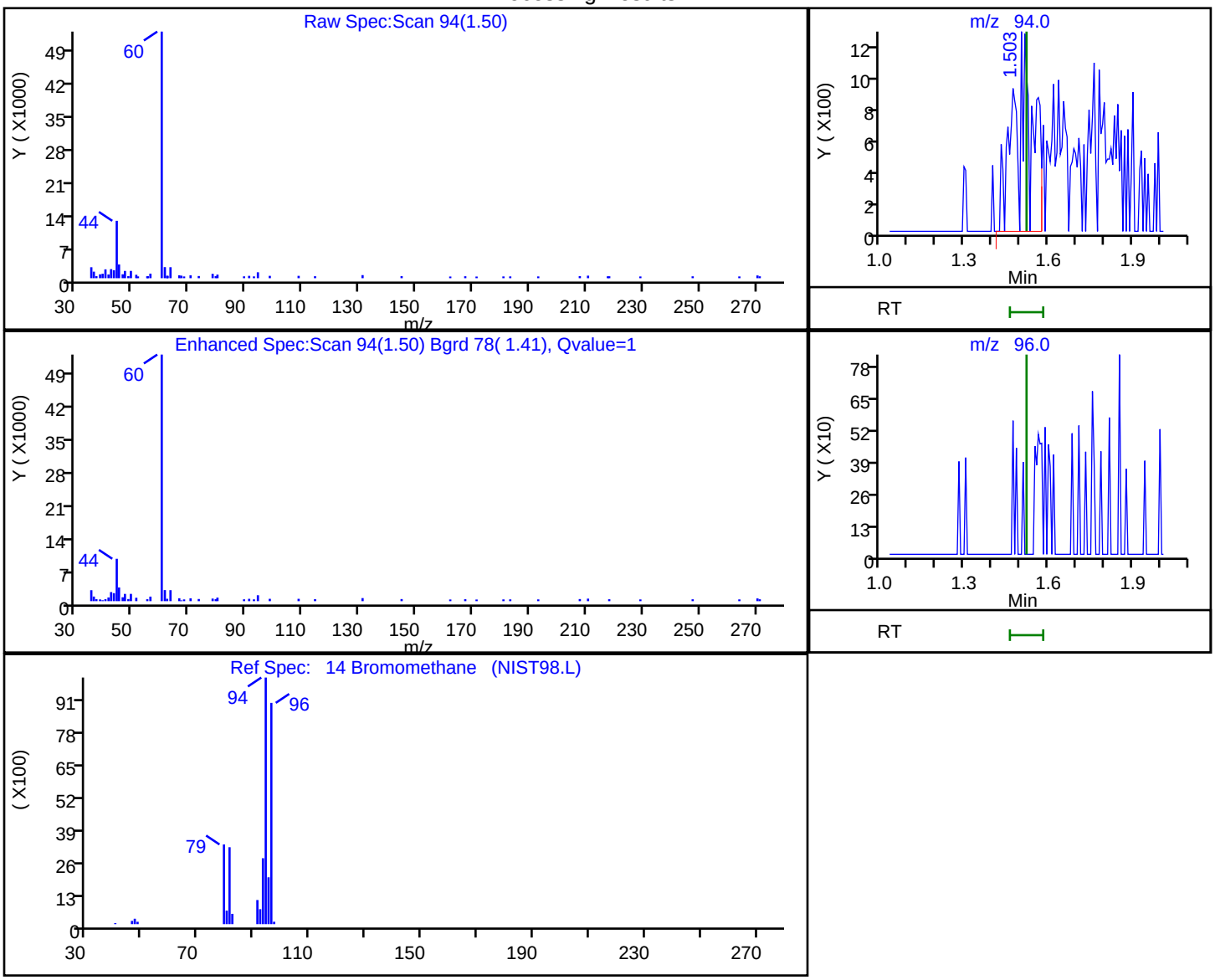
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8826.D				
Injection Date:	06-Mar-2022 03:34:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-8-A	Lab Sample ID:	480-195466-8		
Client ID:	SB204 (5.5-6.0)				
Operator ID:	OI	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.50	94.00	5756	0.469360
1.52	96.00	0	

Reviewer: kiwana, 07-Mar-2022 11:23:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: N2002.D
Analysis Method: 8260C
Date Collected: 03/02/2022 14:15
Sample wt/vol: 5(mL)
Date Analyzed: 03/08/2022 18:19
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 617050
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		0.010	0.0041
56-23-5	Carbon tetrachloride	ND		0.010	0.0027
108-90-7	Chlorobenzene	ND		0.010	0.0075
67-66-3	Chloroform	ND		0.010	0.0034
107-06-2	1,2-Dichloroethane	ND		0.010	0.0021
75-35-4	1,1-Dichloroethene	ND		0.010	0.0029
78-93-3	2-Butanone (MEK)	ND		0.050	0.013
127-18-4	Tetrachloroethene	0.011		0.010	0.0036
79-01-6	Trichloroethene	0.011		0.010	0.0046
75-01-4	Vinyl chloride	ND		0.010	0.0090

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2002.D				
Lims ID:	480-195466-A-9-B				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 18:19:30	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Sample Info:	480-195466-A-9-B				
Misc. Info.:	480-0104250-026				
Operator ID:	AG/OI	Instrument ID:	HP5973N		

Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	09-Mar-2022 08:42:33	Calib Date:	03-Feb-2022 22:45:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1632	

First Level Reviewer: lapointec Date: 09-Mar-2022 08:42:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	98	158945	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	601280	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	289157	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	92	191067	27.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	98	242822	25.4	
$ 6 Toluene-d8 (Surr)	98	6.840	6.841	-0.001	95	647312	22.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	92	210141	24.3	
14 Vinyl chloride	62		1.511				ND	
22 1,1-Dichloroethene	96		2.594				ND	
44 2-Butanone (MEK)	43		4.328				ND	
50 Chloroform	83		4.608				ND	U
53 Carbon tetrachloride	117		4.851				ND	
55 Benzene	78		5.064				ND	
57 1,2-Dichloroethane	62		5.131				ND	
60 Trichloroethene	95	5.672	5.673	-0.001	89	9597	1.10	
79 Tetrachloroethene	166	7.437	7.431	0.006	85	10302	1.13	
85 Chlorobenzene	112		8.349				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

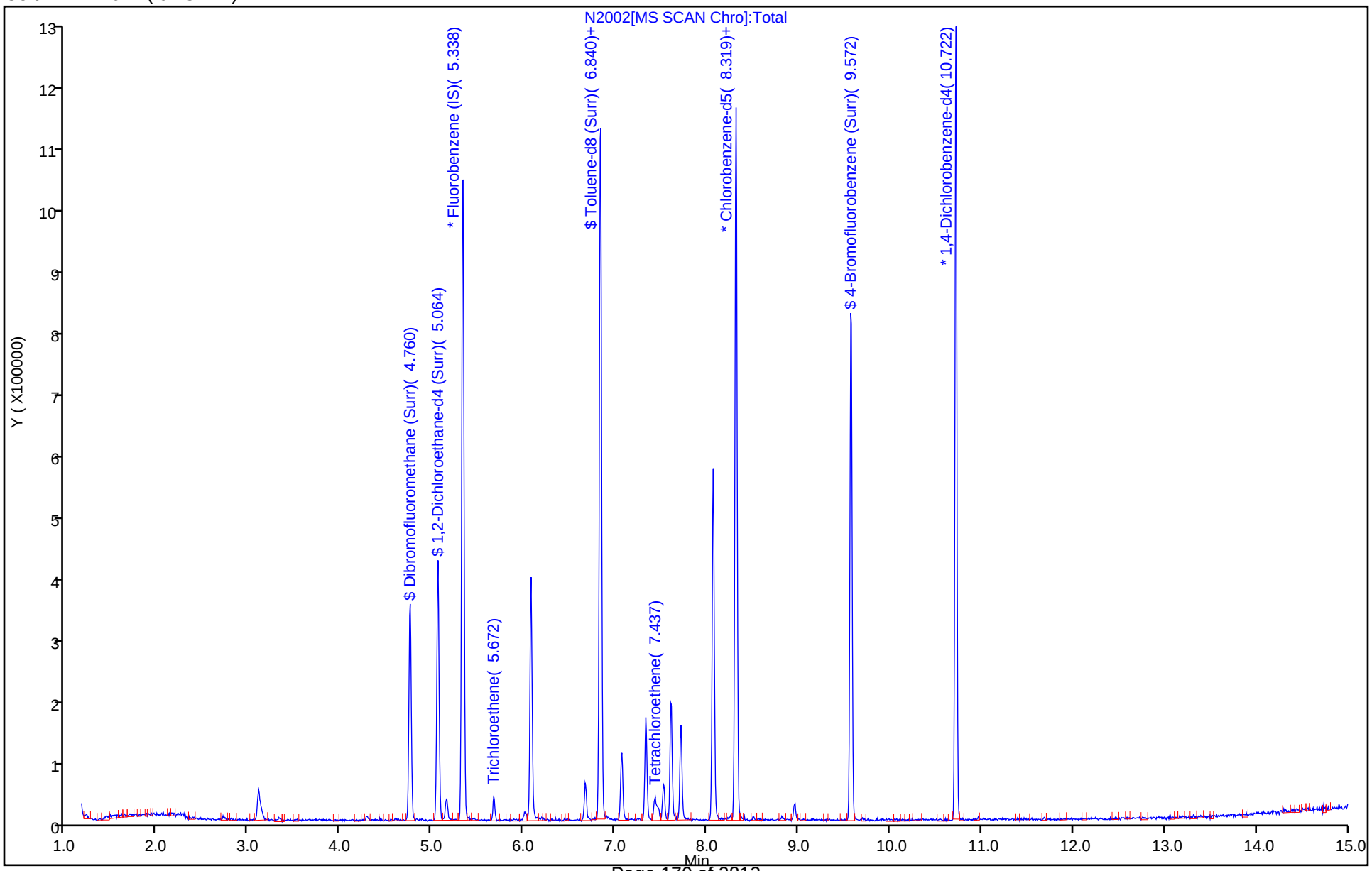
N 8260 IS_00227	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Mar-2022 08:42:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2002.D				
Injection Date:	08-Mar-2022 18:19:30	Instrument ID:	HP5973N	Operator ID:	AG/OI
Lims ID:	480-195466-A-9-B	Lab Sample ID:	480-195466-9	Worklist Smp#:	26
Client ID:	LF1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	26
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2002.D				
Lims ID:	480-195466-A-9-B				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 18:19:30	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Sample Info:	480-195466-A-9-B				
Misc. Info.:	480-0104250-026				
Operator ID:	AG/OI	Instrument ID:	HP5973N		

Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	09-Mar-2022 08:42:33	Calib Date:	03-Feb-2022 22:45:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1632	

First Level Reviewer: lapointec Date: 09-Mar-2022 08:42:33

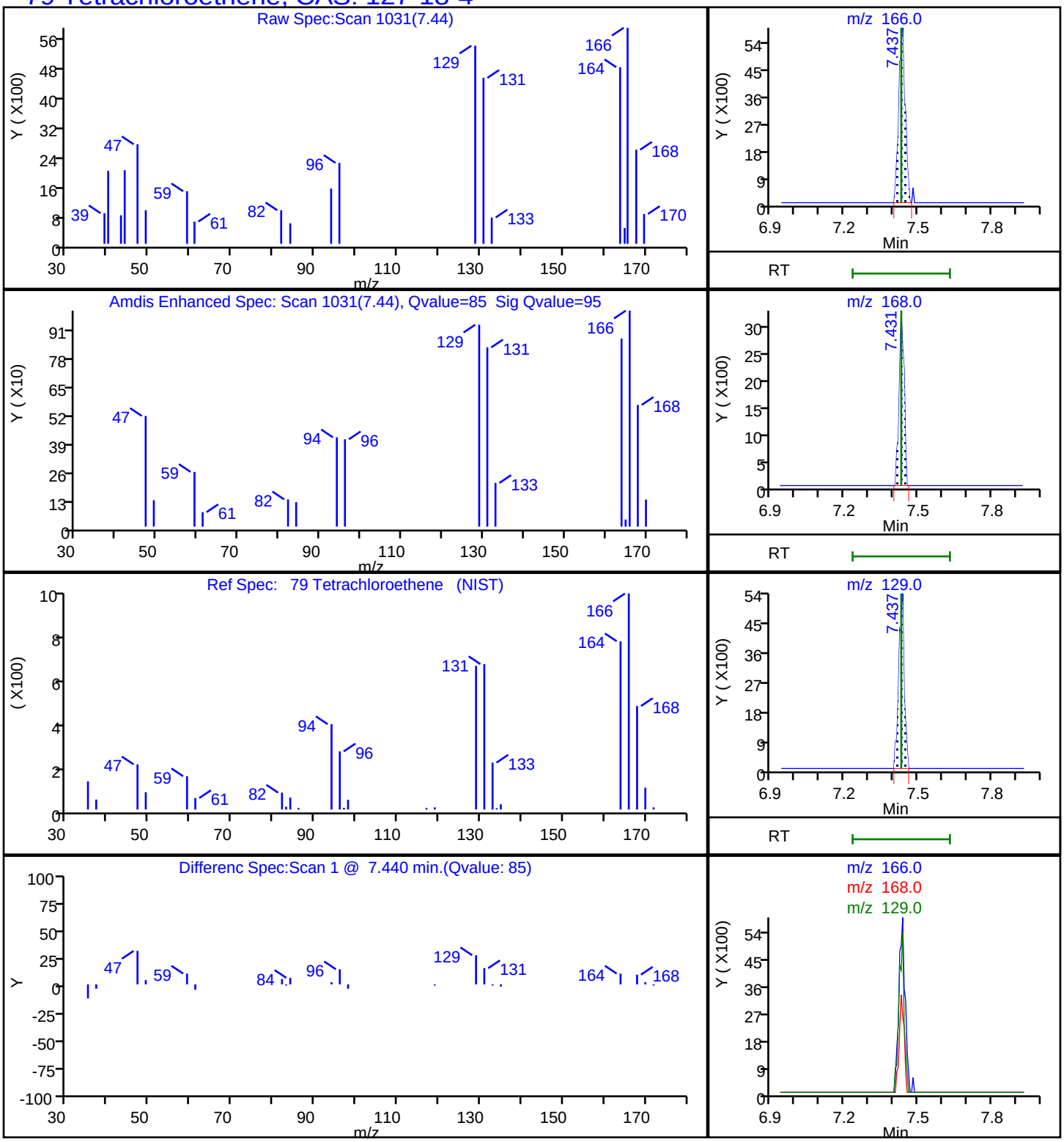
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	27.1	108.59
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.51
$ 6 Toluene-d8 (Surr)	25.0	22.7	90.66
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.3	97.22

Report Date: 09-Mar-2022 08:42:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2002.D				
Injection Date:	08-Mar-2022 18:19:30	Instrument ID:	HP5973N		
Lims ID:	480-195466-A-9-B	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	AG/OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4

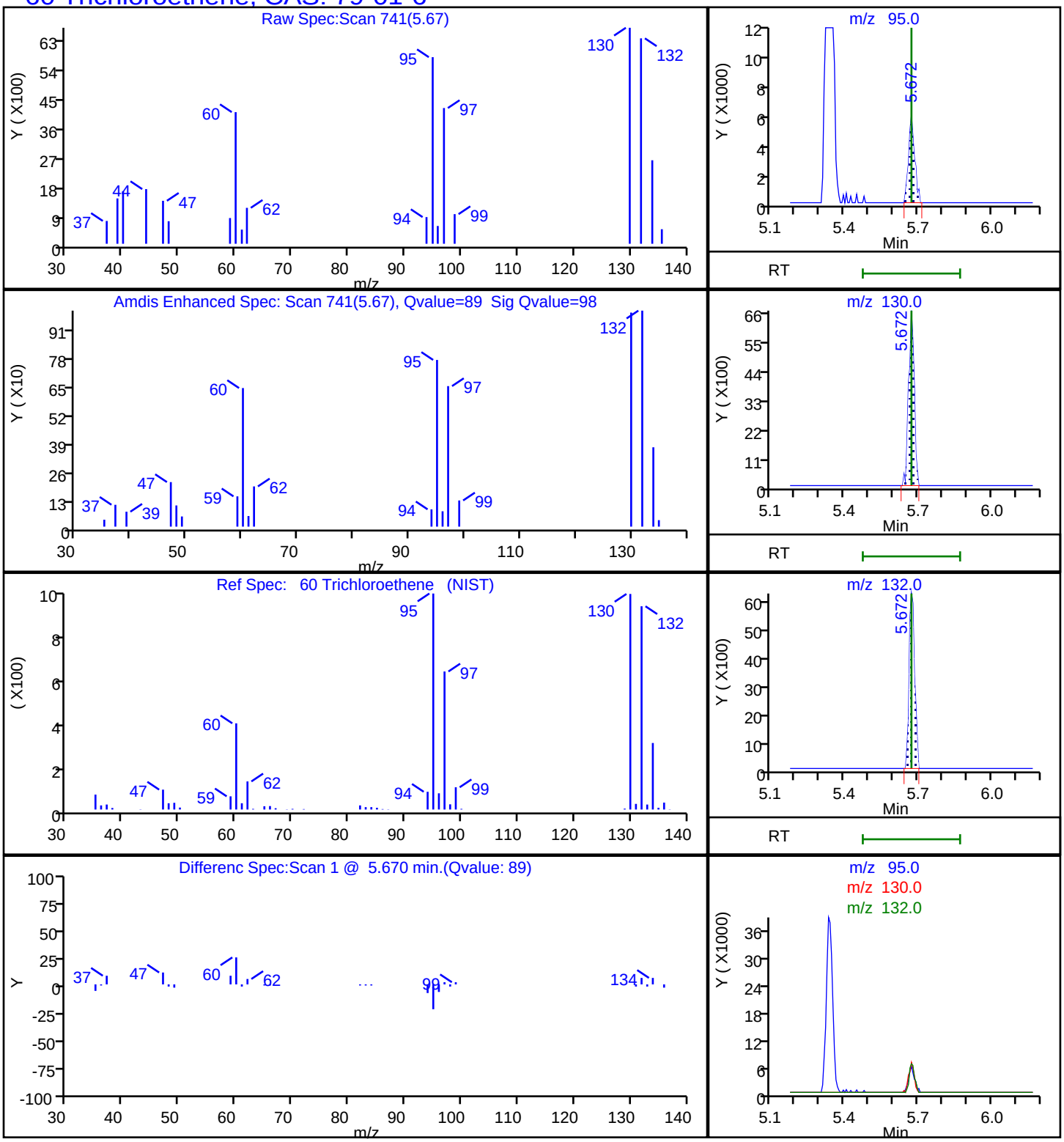


Report Date: 09-Mar-2022 08:42:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2002.D				
Injection Date:	08-Mar-2022 18:19:30	Instrument ID:	HP5973N		
Lims ID:	480-195466-A-9-B	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	AG/OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: LF2 | Lab Sample ID: 480-195466-10

Matrix: Solid (TCLP) | Lab File ID: N2003.D

Analysis Method: 8260C | Date Collected: 03/02/2022 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 03/08/2022 18:42

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 617050 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		0.010	0.0041
56-23-5	Carbon tetrachloride	ND		0.010	0.0027
108-90-7	Chlorobenzene	ND		0.010	0.0075
67-66-3	Chloroform	ND		0.010	0.0034
107-06-2	1,2-Dichloroethane	ND		0.010	0.0021
75-35-4	1,1-Dichloroethene	ND		0.010	0.0029
78-93-3	2-Butanone (MEK)	ND		0.050	0.013
127-18-4	Tetrachloroethene	0.014		0.010	0.0036
79-01-6	Trichloroethene	ND		0.010	0.0046
75-01-4	Vinyl chloride	ND		0.010	0.0090

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2003.D				
Lims ID:	480-195466-A-10-B				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 18:42:30	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Sample Info:	480-195466-A-10-B				
Misc. Info.:	480-0104250-027				
Operator ID:	AG/OI	Instrument ID:	HP5973N		

Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	09-Mar-2022 08:42:33	Calib Date:	03-Feb-2022 22:45:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1632	

First Level Reviewer: lapointec Date: 09-Mar-2022 08:42:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	163058	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	89	628046	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	302920	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	92	186013	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	97	251423	25.6	
$ 6 Toluene-d8 (Surr)	98	6.834	6.841	-0.007	95	680616	22.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	225632	25.0	
14 Vinyl chloride	62		1.511				ND	
22 1,1-Dichloroethene	96		2.594				ND	
44 2-Butanone (MEK)	43		4.328				ND	
50 Chloroform	83		4.608				ND	
53 Carbon tetrachloride	117		4.851				ND	
55 Benzene	78		5.064				ND	
57 1,2-Dichloroethane	62		5.131				ND	
60 Trichloroethene	95		5.673				ND	
79 Tetrachloroethene	166	7.431	7.431	0.000	88	13833	1.45	
85 Chlorobenzene	112		8.349				ND	

QC Flag Legend

Processing Flags

Reagents:

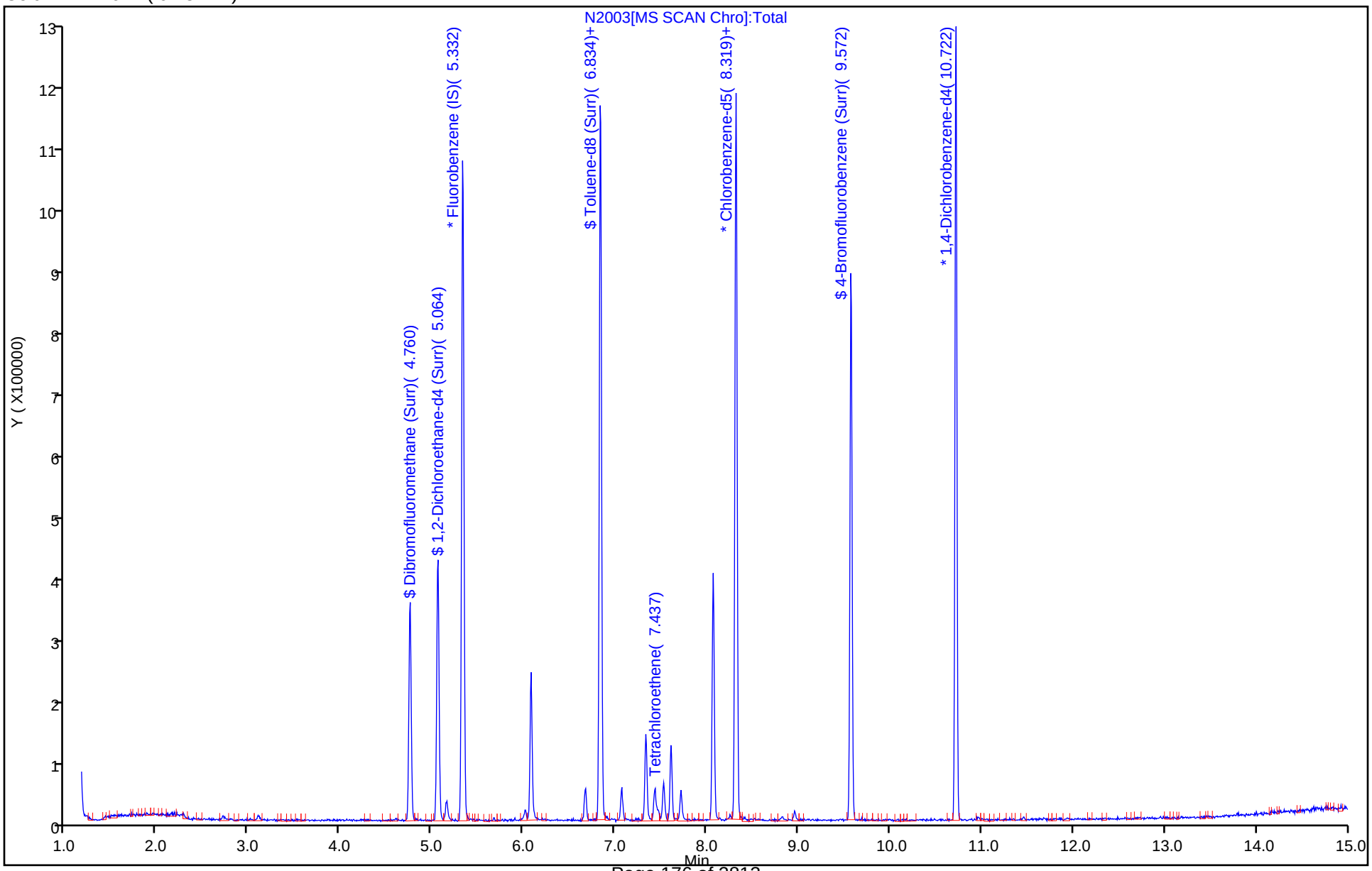
N 8260 IS_00227	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Mar-2022 08:42:49 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2003.D				
Injection Date:	08-Mar-2022 18:42:30	Instrument ID:	HP5973N	Operator ID:	AG/OI
Lims ID:	480-195466-A-10-B	Lab Sample ID:	480-195466-10	Worklist Smp#:	27
Client ID:	LF2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	27
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2003.D				
Lims ID:	480-195466-A-10-B				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 18:42:30	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Sample Info:	480-195466-A-10-B				
Misc. Info.:	480-0104250-027				
Operator ID:	AG/OI	Instrument ID:	HP5973N		

Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	09-Mar-2022 08:42:33	Calib Date:	03-Feb-2022 22:45:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1632	

First Level Reviewer: lapointec Date: 09-Mar-2022 08:42:49

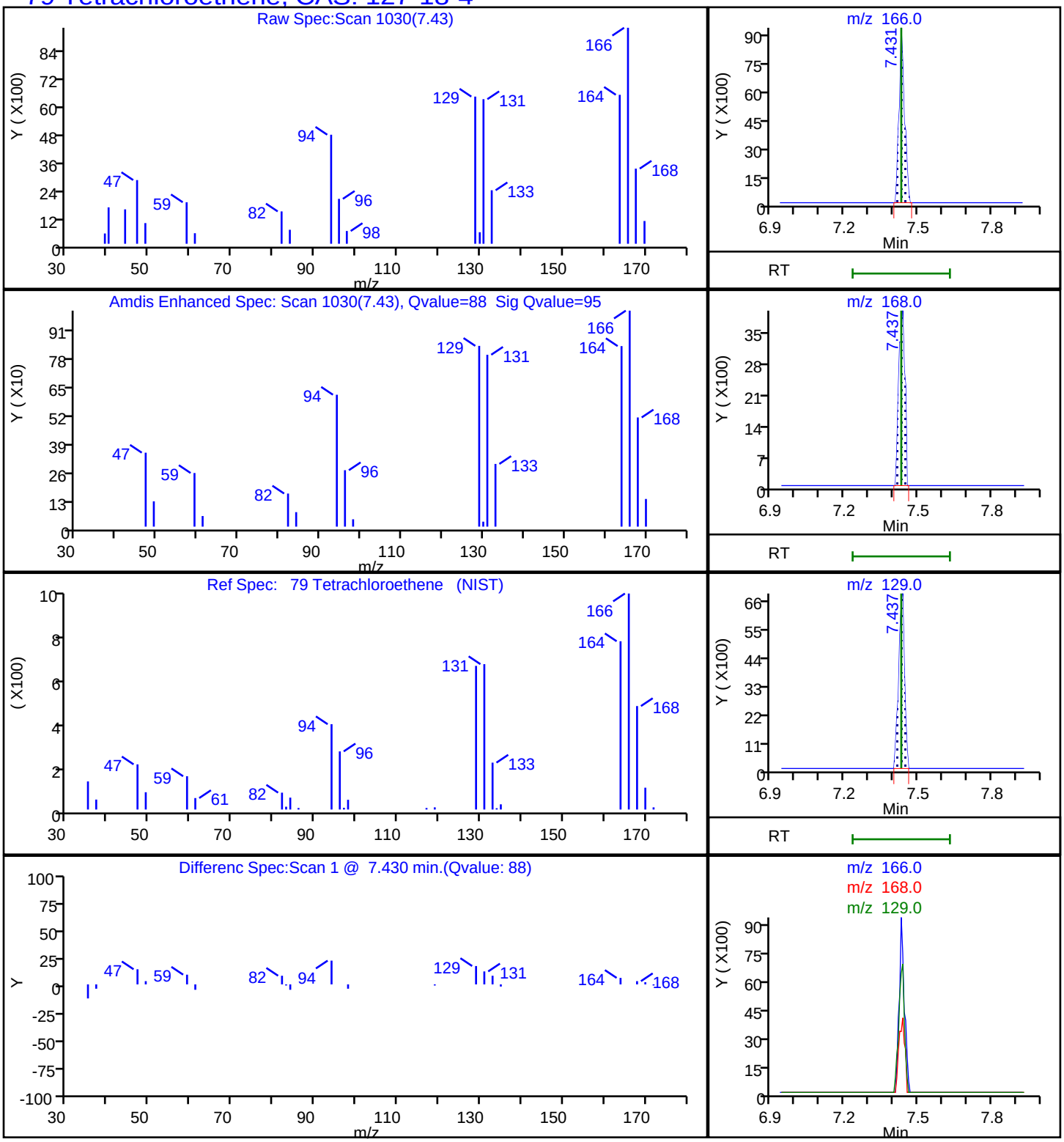
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.8	103.05
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.6	102.45
$ 6 Toluene-d8 (Surr)	25.0	22.8	91.26
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.0	99.94

Report Date: 09-Mar-2022 08:42:49 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2003.D				
Injection Date:	08-Mar-2022 18:42:30	Instrument ID:	HP5973N		
Lims ID:	480-195466-A-10-B	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	AG/OI	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: LF1 | Lab Sample ID: 480-195466-11

Matrix: Solid | Lab File ID: S8827.D

Analysis Method: 8260C | Date Collected: 03/02/2022 14:15

Sample wt/vol: 6.148(g) | Date Analyzed: 03/06/2022 03:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.0 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		59	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		59	9.6
79-00-5	1,1,2-Trichloroethane	ND		59	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59	30
75-34-3	1,1-Dichloroethane	ND		59	18
75-35-4	1,1-Dichloroethene	ND		59	21
120-82-1	1,2,4-Trichlorobenzene	ND		59	22
96-12-8	1,2-Dibromo-3-Chloropropane	ND		59	30
95-50-1	1,2-Dichlorobenzene	ND		59	15
107-06-2	1,2-Dichloroethane	ND		59	24
78-87-5	1,2-Dichloropropane	ND		59	9.6
541-73-1	1,3-Dichlorobenzene	ND		59	16
106-46-7	1,4-Dichlorobenzene	ND		59	8.3
78-93-3	2-Butanone (MEK)	ND		300	180
591-78-6	2-Hexanone	ND		300	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		300	19
67-64-1	Acetone	ND		300	240
71-43-2	Benzene	ND		59	11
75-27-4	Bromodichloromethane	ND		59	12
75-25-2	Bromoform	ND		59	30
74-83-9	Bromomethane	ND		59	13
75-15-0	Carbon disulfide	ND		59	27
56-23-5	Carbon tetrachloride	ND		59	15
108-90-7	Chlorobenzene	ND		59	7.8
124-48-1	Dibromochloromethane	ND		59	29
75-00-3	Chloroethane	ND		59	12
67-66-3	Chloroform	ND		59	41
74-87-3	Chloromethane	ND		59	14
156-59-2	cis-1,2-Dichloroethene	370		59	16
10061-01-5	cis-1,3-Dichloropropene	ND		59	14
110-82-7	Cyclohexane	ND		59	13
75-71-8	Dichlorodifluoromethane	ND		59	26
100-41-4	Ethylbenzene	ND		59	17
106-93-4	1,2-Dibromoethane	ND		59	10
98-82-8	Isopropylbenzene	ND		59	8.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: LF1 | Lab Sample ID: 480-195466-11

Matrix: Solid | Lab File ID: S8827.D

Analysis Method: 8260C | Date Collected: 03/02/2022 14:15

Sample wt/vol: 6.148(g) | Date Analyzed: 03/06/2022 03:58

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.0 | Level: (low/med) Medium

Analysis Batch No.: 616884 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		300	28
1634-04-4	Methyl tert-butyl ether	ND		59	22
108-87-2	Methylcyclohexane	ND		59	28
75-09-2	Methylene Chloride	ND		59	12
100-42-5	Styrene	ND		59	14
127-18-4	Tetrachloroethene	2500		59	8.0
108-88-3	Toluene	ND		59	16
156-60-5	trans-1,2-Dichloroethene	140		59	14
10061-02-6	trans-1,3-Dichloropropene	ND		59	5.8
79-01-6	Trichloroethene	1200		59	16
75-69-4	Trichlorofluoromethane	ND		59	28
75-01-4	Vinyl chloride	ND		59	20
1330-20-7	Xylenes, Total	ND		120	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
1868-53-7	Dibromofluoromethane (Surr)	84		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D
Lims ID: 480-195466-B-11-A
Client ID: LF1
Sample Type: Client
Inject. Date: 06-Mar-2022 03:58:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-8-A
Misc. Info.: 480-0104224-017
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:50:26 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:50:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	192854	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	384420	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	94	399842	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	53	230471	21.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	92	167092	23.8	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	84	987553	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	91	301844	23.4	
10 Dichlorodifluoromethane	85		1.035				ND	
12 Chloromethane	50		1.181				ND	
13 Vinyl chloride	62		1.254				ND	
14 Bromomethane	94		1.521				ND	U
15 Chloroethane	64		1.576				ND	
17 Trichlorofluoromethane	101		1.765				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.203				ND	
22 1,1-Dichloroethene	96		2.209				ND	
23 Acetone	43		2.312				ND	
26 Carbon disulfide	76		2.385				ND	7
27 Methyl acetate	43		2.592				ND	
30 Methylene Chloride	84		2.677				ND	7
32 Methyl tert-butyl ether	73		2.884				ND	
34 trans-1,2-Dichloroethene	96	2.884	2.890	-0.006	88	30913	2.29	
39 1,1-Dichloroethane	63		3.298				ND	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	71	91558	6.30	
43 2-Butanone (MEK)	43	3.894	3.882	0.012	71	10825	1.18	
50 Chloroform	83	4.149	4.149	0.000	28	2669	0.1066	
51 1,1,1-Trichloroethane	97		4.247				ND	
52 Cyclohexane	56		4.247				ND	
55 Carbon tetrachloride	117		4.374				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.666				ND	
62 Trichloroethene	95	5.202	5.202	0.000	88	282714	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.305				ND	
65 1,2-Dichloropropane	63		5.439				ND	
68 Dichlorobromomethane	83		5.737				ND	
72 cis-1,3-Dichloropropene	75		6.151				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303				ND	U
74 Toluene	92		6.425				ND	
77 trans-1,3-Dichloropropene	75		6.717				ND	
79 1,1,2-Trichloroethane	83		6.905				ND	U
81 Tetrachloroethene	166	6.942	6.942	0.000	93	661607	41.9	
80 2-Hexanone	43		7.136				ND	
83 Chlorodibromomethane	129		7.288				ND	
84 Ethylene Dibromide	107		7.380				ND	
87 Chlorobenzene	112		7.854				ND	
88 Ethylbenzene	91		7.952				ND	
90 m-Xylene & p-Xylene	106		8.073				ND	
91 o-Xylene	106		8.493				ND	
92 Styrene	104		8.523				ND	
95 Bromoform	173		8.767				ND	
94 Isopropylbenzene	105		8.882				ND	
97 1,1,2,2-Tetrachloroethane	83		9.308				ND	
111 1,3-Dichlorobenzene	146		10.196				ND	
113 1,4-Dichlorobenzene	146		10.288				ND	
116 1,2-Dichlorobenzene	146		10.647				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395				ND	
119 1,2,4-Trichlorobenzene	180		12.070				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

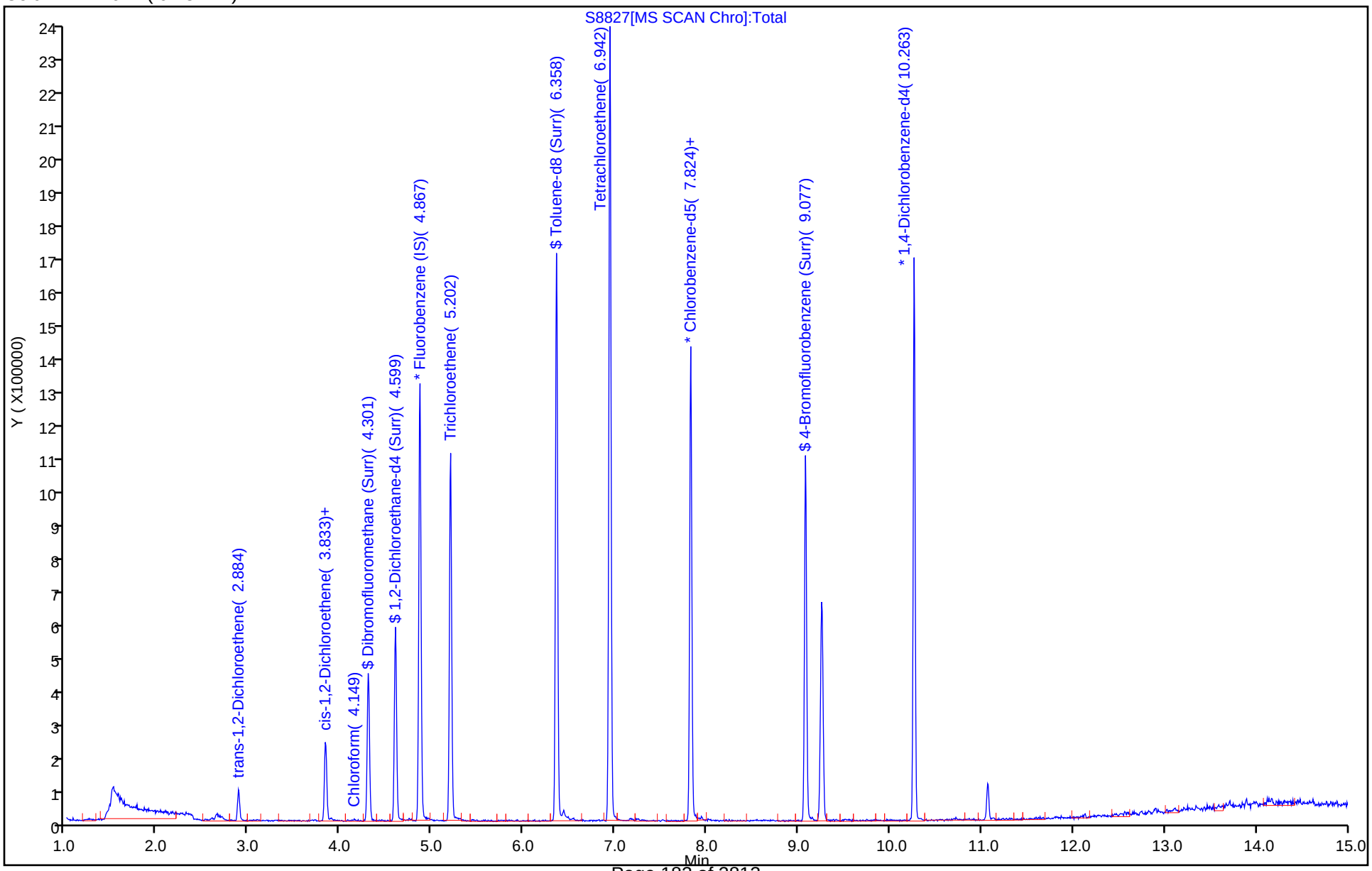
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 11:50:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S	Operator ID:	OI
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11	Worklist Smp#:	17
Client ID:	LF1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D
Lims ID: 480-195466-B-11-A
Client ID: LF1
Sample Type: Client
Inject. Date: 06-Mar-2022 03:58:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-195466-B-8-A
Misc. Info.: 480-0104224-017
Operator ID: OI Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 11:50:26 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 11:50:26

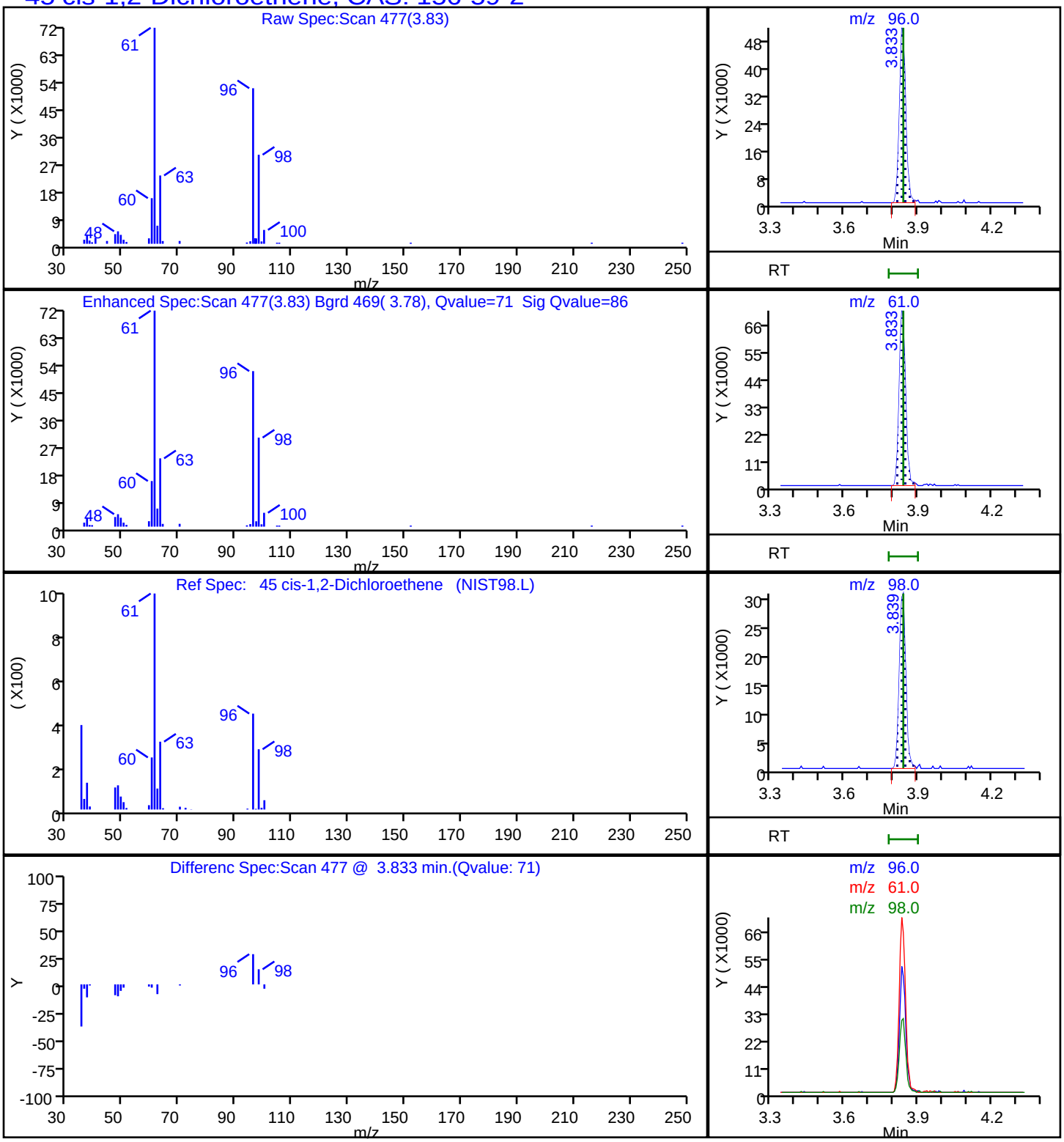
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	21.1	84.46
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.8	95.14
$ 5 Toluene-d8 (Surr)	25.0	24.4	97.49
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.4	93.47

Report Date: 07-Mar-2022 11:50:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

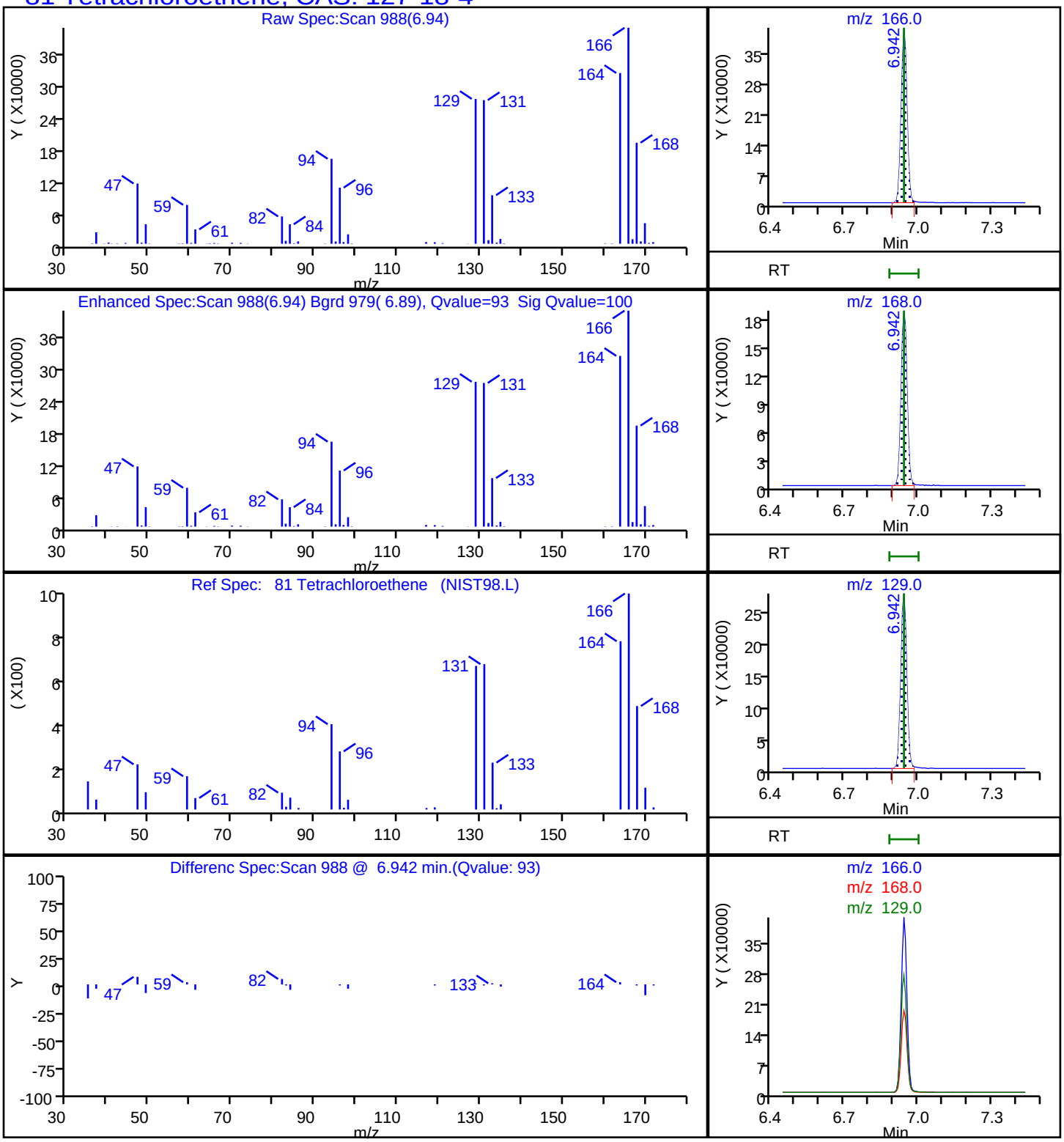


Report Date: 07-Mar-2022 11:50:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

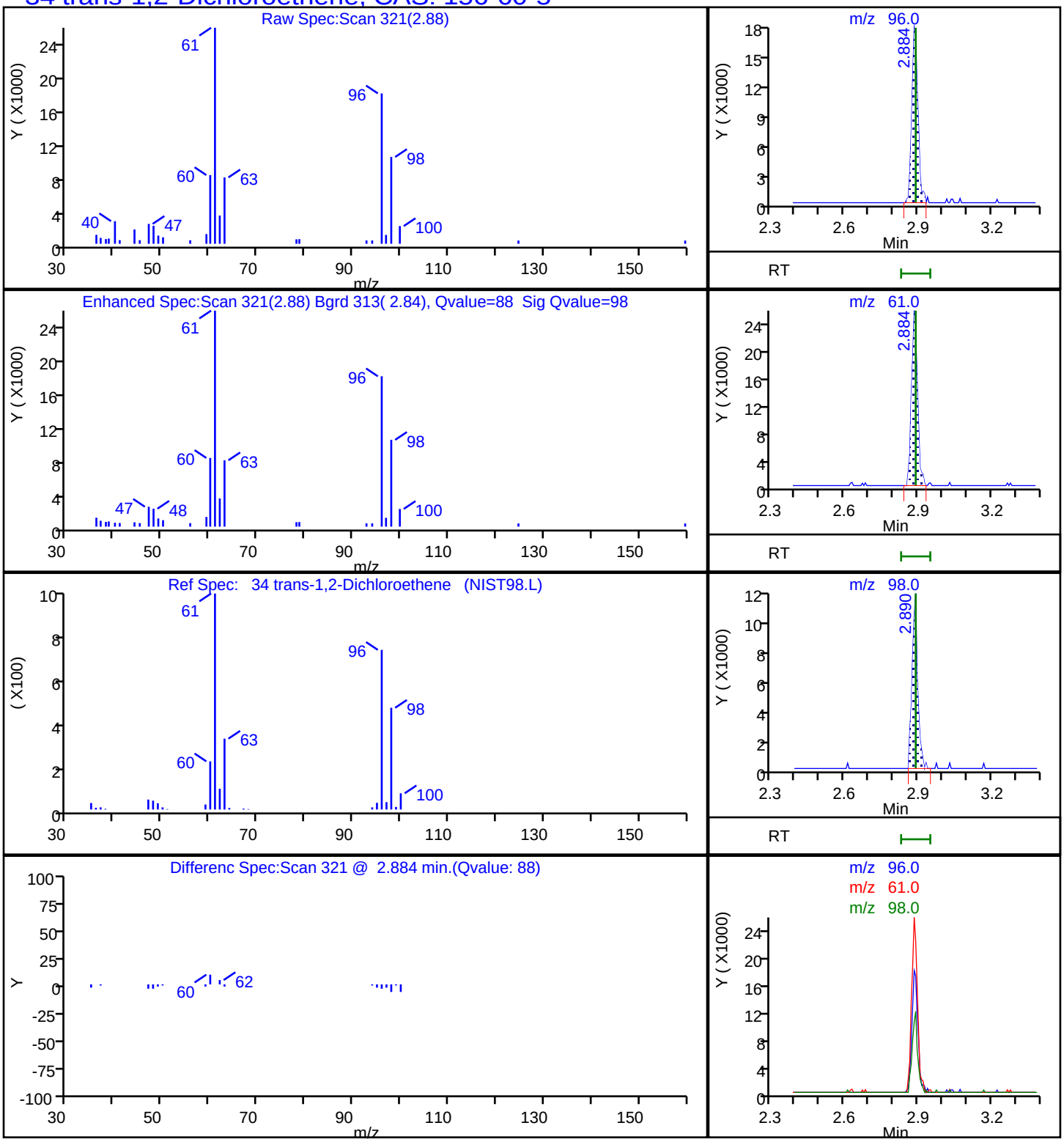


Report Date: 07-Mar-2022 11:50:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

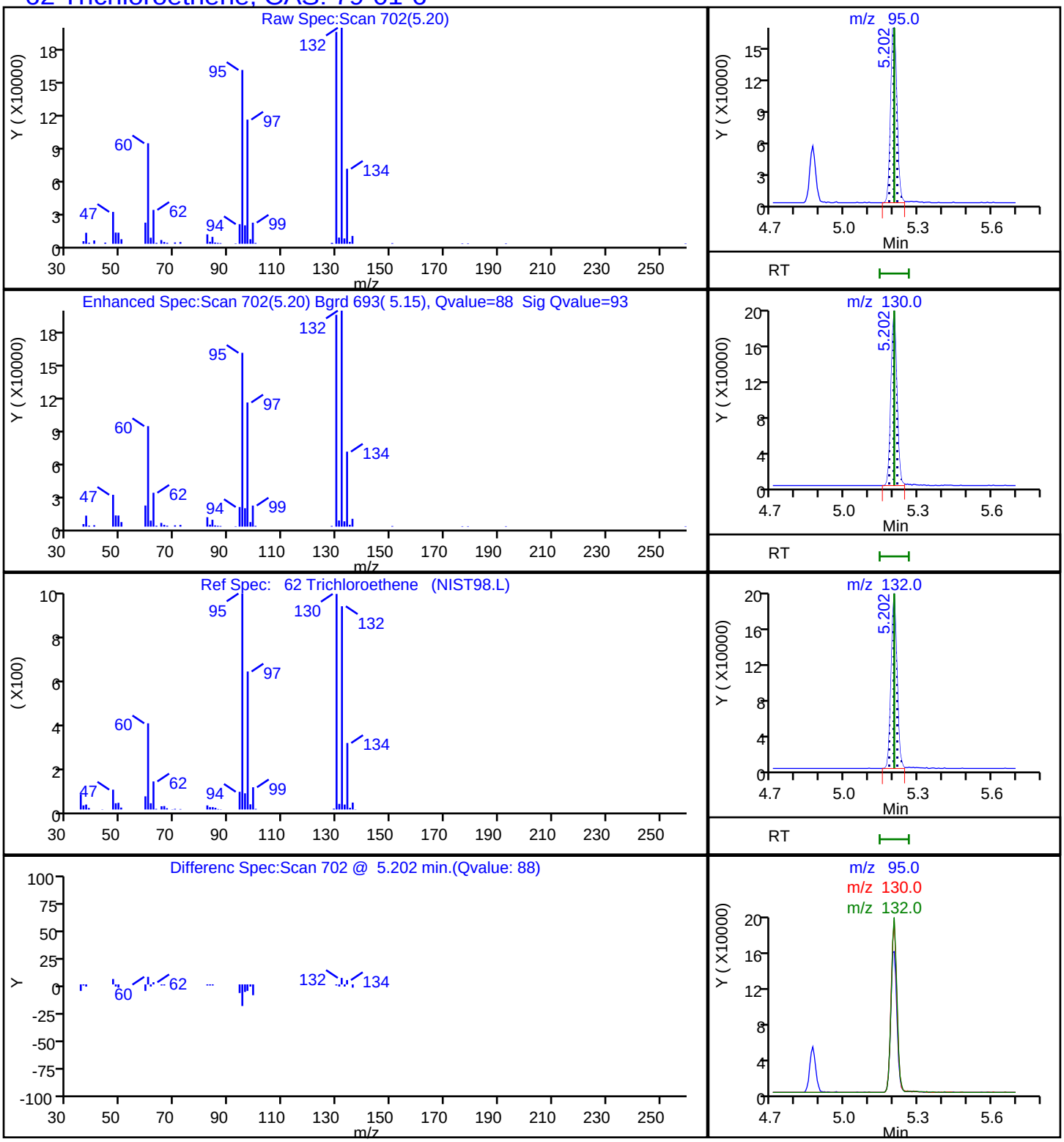


Report Date: 07-Mar-2022 11:50:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



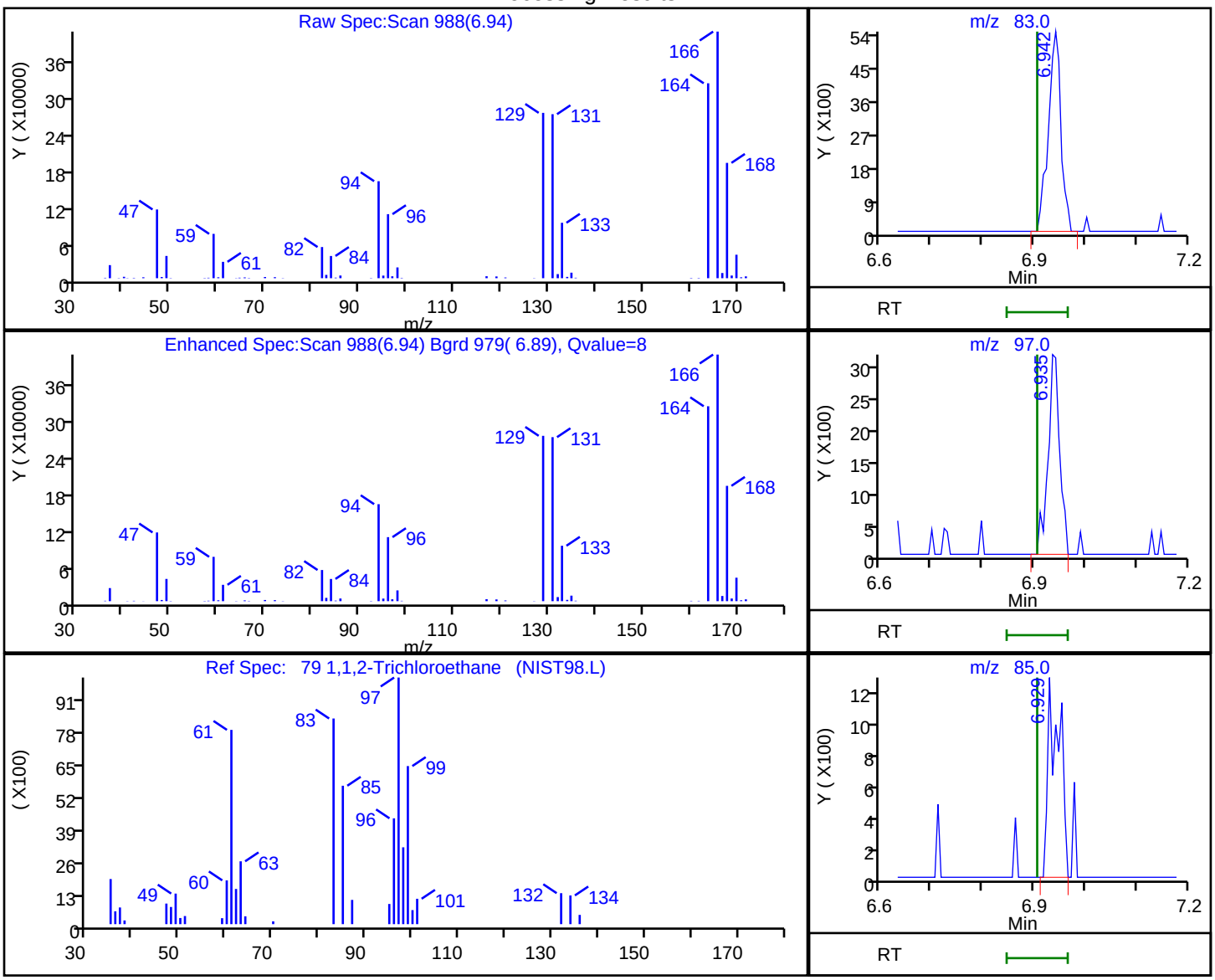
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.94	83.00	9364	0.942675
6.94	97.00	5046	
6.93	85.00	1995	

Reviewer: kiwana, 07-Mar-2022 11:50:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

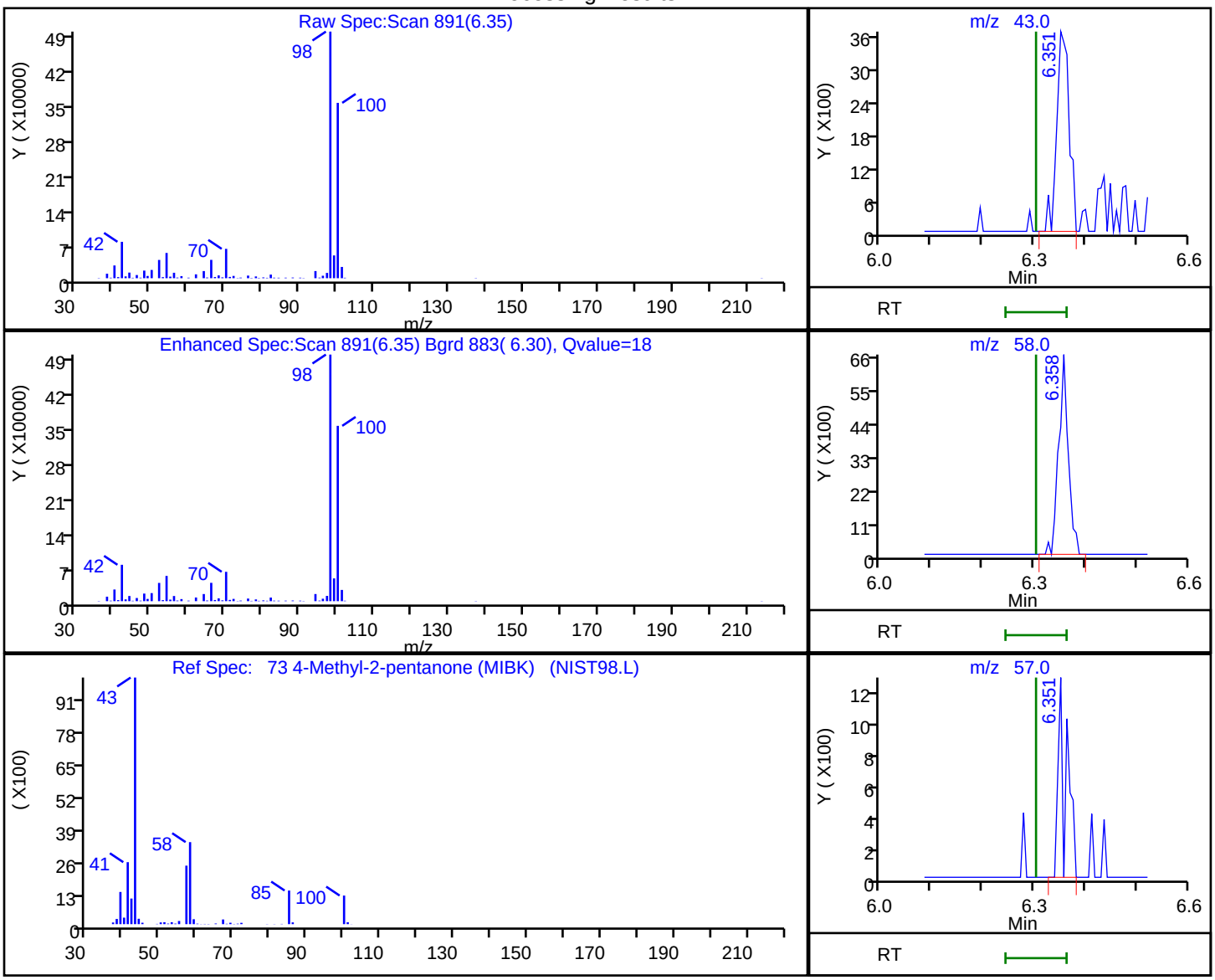
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.35	43.00	6161	0.343664
6.36	58.00	8676	
6.35	57.00	1444	

Reviewer: kiwana, 07-Mar-2022 11:50:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

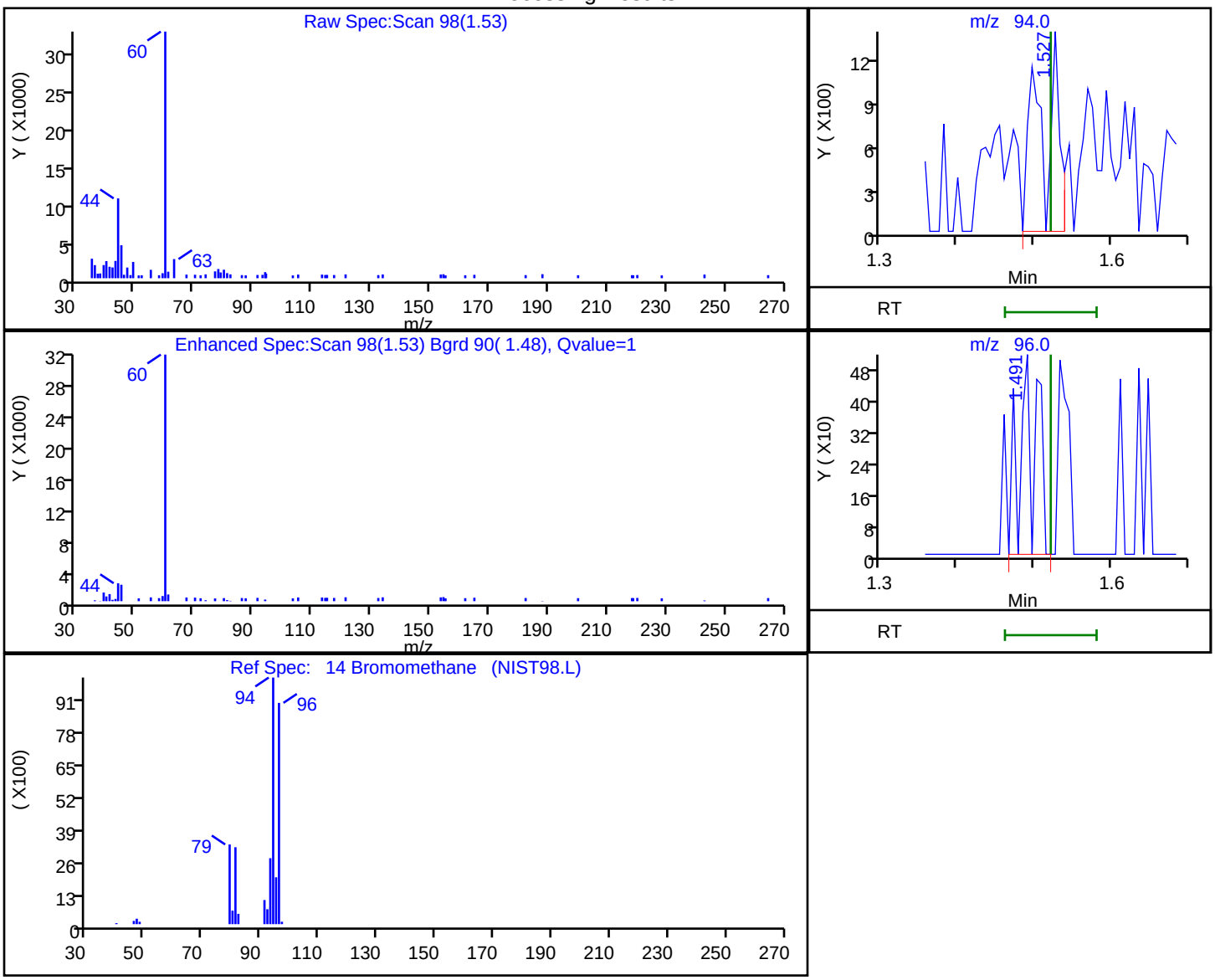
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8827.D				
Injection Date:	06-Mar-2022 03:58:30	Instrument ID:	HP5973S		
Lims ID:	480-195466-B-11-A	Lab Sample ID:	480-195466-11		
Client ID:	LF1				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.53	94.00	2417	0.191618
1.49	96.00	803	

Reviewer: kiwana, 07-Mar-2022 11:49:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-613702/9	N1306.D
Level 2	IC 480-613702/10	N1307.D
Level 3	IC 480-613702/11	N1308.D
Level 4	IC 480-613702/12	N1309.D
Level 5	IC 480-613702/13	N1310.D
Level 6	ICIS 480-613702/14	N1311.D
Level 7	IC 480-613702/15	N1312.D
Level 8	IC 480-613702/16	N1313.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	+++++ 1.2067	0.8764 1.2050	0.9594 1.0900	1.1280	1.1395	Ave		1.0864			0.1000	11.5		20.0			
Chloromethane	2.5464 2.2439	2.1382 2.2585	2.3803 2.0481	2.2864	2.2202	Ave		2.2653			0.1000	6.6		20.0			
Vinyl chloride	1.4583 1.6698	1.3375 1.7226	1.4818 1.5635	1.6462	1.5651	Ave		1.5556			0.1000	8.1		20.0			
Butadiene	1.8966 1.8903	1.5960 2.0750	1.5707 1.6742	1.9260	1.8408	Ave		1.8087				9.8		20.0			
Bromomethane	0.9519 0.8243	0.9296 0.8152	0.8503 0.7712	0.9276	0.7727	Ave		0.8553			0.1000	8.5		20.0			
Chloroethane	+++++ 1.0015	1.1858 1.0163	1.0087 0.8950	1.0107	0.9114	Ave		1.0042			0.1000	9.4		20.0			
Trichlorofluoromethane	+++++ 1.7467	1.0957 1.7199	1.3132 1.6058	1.6389	1.5922	Ave		1.5303			0.1000	15.6		20.0			
Dichlorofluoromethane	+++++ 2.0825	2.2557 2.1039	2.0614 1.9256	2.2315	1.8152	Ave		2.0680				7.6		20.0			
Ethyl ether	1.6235 1.5674	1.5618 1.6379	1.6149 1.5734	1.6201	1.4715	Ave		1.5838				3.4		20.0			
Acrolein	0.4133 0.1906	0.2857 0.1970	0.2288 0.1944	0.2138	0.1994	Lin1	0.4935	0.1926				6.0			1.0000		0.9900
1,1-Dichloroethene	0.9776 1.1675	0.9521 1.2188	1.1355 1.0966	1.2001	1.0801	Ave		1.1035			0.1000	8.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1936	0.9376 1.2873	1.1306 1.1773	1.2183	1.1112	Ave		1.1508			0.1000	9.6		20.0			
Acetone	0.6154 0.4555	0.8534 0.4946	0.5367 0.4997	0.4926	0.4871	Lin1	0.6783	0.4887			0.1000	23.0			0.9970		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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								
Iodomethane	1.8482 2.0288	1.7150 2.1648	1.9894 1.9673	2.0886	1.9285	Ave		1.9663				7.1		20.0			
Carbon disulfide	2.9881 3.7720	2.5652 4.0482	3.6366 3.6499	3.6486	3.5267	Ave		3.4794			0.1000	13.6		20.0			
Allyl chloride	3.9872 3.4612	3.0979 3.6403	3.4195 3.3842	3.3642	3.1300	Ave		3.4356				8.2		20.0			
Methyl acetate	2.0806 1.7826	2.0650 1.7439	1.7639 1.8079	1.8587	1.6336	Ave		1.8420			0.1000	8.5		20.0			
Methylene Chloride	2.5785 1.2866	1.7406 1.3824	1.5197 1.2446	1.3933	1.2585	Lin1	0.5684	1.2755			0.1000	7.6			0.9980		0.9900
2-Methyl-2-propanol	0.1181 0.1391	0.1964 0.1315	0.1412 0.1563	0.1551	0.1376	Ave		0.1469				16.0		20.0			
Methyl tert-butyl ether	3.9885 4.0312	4.0075 4.3320	3.9296 4.0884	4.1039	3.7205	Ave		4.0252			0.1000	4.3		20.0			
trans-1,2-Dichloroethene	+++++ 1.3569	1.3792 1.4203	1.3886 1.3317	1.3612	1.2806	Ave		1.3598			0.1000	3.3		20.0			
Acrylonitrile	0.8270 0.8041	1.0367 0.8150	0.8297 0.8362	0.8631	0.7855	Ave		0.8497				9.3		20.0			
Hexane	+++++ 2.8211	2.4248 2.8657	2.9174 2.8234	2.8494	2.7015	Ave		2.7719				6.0		20.0			
1,1-Dichloroethane	2.5550 2.9231	2.6538 3.0618	3.0476 2.9322	3.1447	2.7664	Ave		2.8856			0.2000	7.2		20.0			
Vinyl acetate	4.5003 4.7996	4.6364 5.1106	4.4379 5.3097	4.6239	4.4746	Ave		4.7366				6.7		20.0			
2,2-Dichloropropane	1.3902 1.4281	1.3326 1.4850	1.4553 1.2742	1.4522	1.4134	Ave		1.4039				5.0		20.0			
cis-1,2-Dichloroethene	1.4775 1.4071	1.2991 1.5586	1.5223 1.4503	1.4662	1.3885	Ave		1.4462			0.1000	5.6		20.0			
2-Butanone (MEK)	1.1979 0.9952	1.2847 1.0106	0.9945 1.0731	1.0392	1.0001	Ave		1.0744			0.1000	10.1		20.0			
Chlorobromomethane	0.6400 0.7325	0.6697 0.7844	0.6631 0.7319	0.8109	0.6903	Ave		0.7153				8.5		20.0			
Tetrahydrofuran	0.8058 0.7293	0.8876 0.7288	0.7991 0.7363	0.7483	0.7603	Ave		0.7745				7.0		20.0			
Chloroform	2.5304 2.3164	2.1597 2.4480	2.5253 2.3420	2.4882	2.2318	Ave		2.3802			0.2000	5.9		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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								
1,1,1-Trichloroethane	+++++ 2.0462	1.8345 2.1691	2.0956 2.0349	2.1157	1.8909	Ave		2.0267			0.1000	6.0		20.0			
Cyclohexane	+++++ 3.3547	2.7172 3.6226	3.5183 3.3357	3.4600	3.1642	Ave		3.3104			0.1000	9.1		20.0			
Carbon tetrachloride	1.4907 1.8408	1.3618 1.9547	1.8410 1.8817	1.8776	1.7121	Ave		1.7450			0.1000	12.1		20.0			
1,1-Dichloropropene	1.6802 1.9406	1.6582 2.0099	1.8561 1.9804	1.9665	1.8194	Ave		1.8639				7.3		20.0			
Benzene	5.0875 5.5698	5.1025 5.8561	5.8611 5.6866	5.7839	5.2118	Ave		5.5199			0.5000	6.1		20.0			
Isobutyl alcohol	0.0905 0.0695	0.1079 0.0730	0.0700 0.0811	0.0677	0.0705	Ave		0.0788				17.8		20.0			
1,2-Dichloroethane	2.1457 2.3042	2.3316 2.4001	2.3975 2.2787	2.2908	2.1573	Ave		2.2882			0.1000	4.2		20.0			
n-Heptane	3.2214 3.2480	2.7946 3.2486	3.2838 3.3511	3.3264	3.1895	Ave		3.2079				5.5		20.0			
Trichloroethene	1.2450 1.3846	1.2152 1.4732	1.4188 1.4210	1.4639	1.3413	Ave		1.3704			0.2000	7.0		20.0			
Methylcyclohexane	+++++ 2.3203	1.7843 2.4475	2.4104 2.3353	2.3131	2.2124	Ave		2.2605			0.1000	9.9		20.0			
1,2-Dichloropropane	1.7043 1.6514	1.5081 1.6850	1.6856 1.6709	1.6893	1.5629	Ave		1.6447			0.1000	4.3		20.0			
Dibromomethane	0.7210 0.8713	0.8798 0.8949	0.8586 0.8710	0.8378	0.8392	Ave		0.8467			0.1000	6.4		20.0			
1,4-Dioxane	+++++ 0.0030	0.0032 0.0029	0.0022 0.0031	0.0021	0.0022	Ave		0.0027				17.4		20.0			
Bromodichloromethane	1.4922 1.6643	1.4910 1.7526	1.6483 1.7835	1.6857	1.5379	Ave		1.6319			0.2000	6.9		20.0			
2-Chloroethyl vinyl ether	0.9439 1.1079	1.0637 1.1087	0.9888 1.1853	1.1029	1.0575	Ave		1.0698				7.1		20.0			
cis-1,3-Dichloropropene	1.8508 2.2647	2.0679 2.3583	2.2525 2.3606	2.1640	2.0953	Ave		2.1768			0.2000	7.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.2001 0.2085	0.2252 0.2106	0.2049 0.2215	0.2109	0.1953	Ave		0.2096			0.1000	4.8		20.0			
Toluene	0.8744 0.9486	0.8223 0.9686	1.0167 0.9693	0.9462	0.8633	Ave		0.9262			0.4000	7.1		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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								
trans-1,3-Dichloropropene	0.4375 0.5613	0.4998 0.5750	0.5309 0.5981	0.5564	0.5031	Ave		0.5328			0.1000	9.6		20.0			
Ethyl methacrylate	0.3847 0.4740	0.4403 0.4905	0.4591 0.5348	0.4483	0.4428	Ave		0.4593				9.5		20.0			
1,1,2-Trichloroethane	0.3030 0.2627	0.2534 0.2652	0.2677 0.2648	0.2664	0.2498	Ave		0.2666			0.1000	6.0		20.0			
Tetrachloroethene	0.3088 0.3925	0.3461 0.4013	0.4318 0.4027	0.3966	0.3599	Ave		0.3800			0.2000	10.3		20.0			
1,3-Dichloropropane	0.6134 0.5685	0.5069 0.5675	0.6001 0.5826	0.5754	0.5106	Ave		0.5656				6.8		20.0			
2-Hexanone	0.3961 0.4091	0.4100 0.4115	0.4310 0.4453	0.4218	0.3879	Ave		0.4141			0.1000	4.5		20.0			
Dibromochloromethane	0.3077 0.3300	0.2887 0.3517	0.3366 0.3653	0.3300	0.2985	Ave		0.3260			0.1000	8.1		20.0			
1,2-Dibromoethane	0.3591 0.3504	0.3300 0.3577	0.3748 0.3588	0.3435	0.3163	Ave		0.3488				5.3		20.0			
Chlorobenzene	0.9186 1.0036	0.9327 1.0349	1.1015 1.0325	1.0374	0.9347	Ave		0.9995			0.5000	6.5		20.0			
Ethylbenzene	1.5294 1.7496	1.5943 1.8034	1.7911 1.8269	1.7760	1.5965	Ave		1.7084			0.1000	6.8		20.0			
1,1,1,2-Tetrachloroethane	0.2906 0.3635	0.2993 0.3818	0.3564 0.3811	0.3527	0.3292	Ave		0.3443				10.1		20.0			
m,p-Xylene	0.5985 0.6692	0.5803 0.6866	0.7243 0.6915	0.6685	0.6159	Ave		0.6543			0.1000	7.7		20.0			
o-Xylene	0.5833 0.6601	0.5802 0.6674	0.6960 0.6506	0.6747	0.6002	Ave		0.6391			0.3000	7.0		20.0			
Styrene	1.0605 1.1465	1.0008 1.1727	1.1412 1.1785	1.1239	1.0459	Ave		1.1087			0.3000	5.9		20.0			
Bromoform	+++++ 0.2117	0.2041 0.2290	0.1965 0.2485	0.1972	0.1934	Ave		0.2115			0.1000	9.6		20.0			
Isopropylbenzene	+++++ 3.6359	3.0248 3.7651	3.7574 3.7218	3.6438	3.4242	Ave		3.5676			0.1000	7.5		20.0			
Bromobenzene	0.8987 0.9101	0.7327 0.9224	0.9102 0.9053	0.9049	0.8321	Ave		0.8770				7.4		20.0			
1,1,2,2-Tetrachloroethane	0.9437 0.8759	0.9398 0.9055	0.8940 0.9073	0.8937	0.8585	Ave		0.9023			0.3000	3.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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								
N-Propylbenzene	3.5290 4.2095	3.5240 4.3461	4.2906 4.3513	4.1870	3.9403	Ave		4.0472				8.6		20.0			
1,2,3-Trichloropropane	0.2989 0.2856	0.2994 0.2920	0.3339 0.2862	0.2866	0.2878	Ave		0.2963				5.5		20.0			
trans-1,4-Dichloro-2-butene	0.3828 0.4218	0.3960 0.4358	0.4616 0.4544	0.4249	0.4164	Ave		0.4242				6.3		20.0			
2-Chlorotoluene	0.7618 0.8554	0.6526 0.8521	0.8742 0.8363	0.8649	0.7861	Ave		0.8104				9.2		20.0			
1,3,5-Trimethylbenzene	2.4962 2.9575	2.5540 3.0373	2.9957 3.0102	2.9713	2.7932	Ave		2.8519				7.5		20.0			
4-Chlorotoluene	2.4325 2.7074	2.2358 2.6947	3.0214 2.6906	2.5489	2.4897	Ave		2.6026				9.0		20.0			
tert-Butylbenzene	+++++ 0.6447	0.4845 0.6580	0.6785 0.6436	0.6355	0.6242	Ave		0.6241				10.2		20.0			
1,2,4-Trimethylbenzene	2.7320 2.9619	2.5163 3.0599	2.9455 3.0216	2.9582	2.7694	Ave		2.8706				6.4		20.0			
sec-Butylbenzene	+++++ 3.7146	3.0250 3.8373	3.8744 3.7911	3.7415	3.5166	Ave		3.6429				8.1		20.0			
1,3-Dichlorobenzene	1.3855 1.6510	1.5583 1.7099	1.7560 1.6879	1.6861	1.5611	Ave		1.6245			0.6000	7.3		20.0			
4-Isopropyltoluene	2.6642 3.2164	2.5262 3.3283	3.1333 3.3283	3.2126	2.9208	Ave		3.0413				10.1		20.0			
1,4-Dichlorobenzene	1.7382 1.6846	1.4955 1.7376	1.7796 1.7238	1.7638	1.5788	Ave		1.6877			0.5000	5.9		20.0			
n-Butylbenzene	2.3202 2.7601	2.3474 2.8734	2.7866 2.8876	2.7632	2.5831	Ave		2.6652				8.4		20.0			
1,2-Dichlorobenzene	1.5163 1.6292	1.5511 1.6614	1.6290 1.6226	1.6091	1.5439	Ave		1.5953			0.4000	3.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1492	0.1487 0.1618	0.1655 0.1772	0.1605	0.1499	Ave		0.1590			0.0500	6.6		20.0			
1,2,4-Trichlorobenzene	0.9857 0.9924	1.0334 1.1000	1.0060 1.1066	1.0580	0.9411	Ave		1.0279			0.2000	5.6		20.0			
Hexachlorobutadiene	+++++ 0.4629	0.4524 0.5318	0.4980 0.5261	0.4838	0.4413	Ave		0.4852				7.3		20.0			
Naphthalene	2.9021 2.8057	2.9764 3.1159	2.9071 3.2974	2.9565	2.7130	Ave		2.9593				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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								
1,2,3-Trichlorobenzene	0.8936 0.9037	0.9996 1.0477	0.9034 1.0699	0.9716	0.8998	Ave		0.9612				7.4		20.0			
Dibromofluoromethane (Surr)	1.1019 1.1127	1.0882 1.1388	1.0908 1.1038	1.1311	1.0884	Ave		1.1070				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5331 1.4580	1.5483 1.5327	1.4543 1.5009	1.5045	1.5080	Ave		1.5050				2.3		20.0			
Toluene-d8 (Surr)	1.2064 1.1580	1.2041 1.1882	1.2221 1.1843	1.1795	1.1570	Ave		1.1874				1.9		20.0			
4-Bromofluorobenzene (Surr)	0.3668 0.3563	0.3658 0.3587	0.3612 0.3561	0.3591	0.3520	Ave		0.3595				1.4		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-613702/9	N1306.D
Level 2	IC 480-613702/10	N1307.D
Level 3	IC 480-613702/11	N1308.D
Level 4	IC 480-613702/12	N1309.D
Level 5	IC 480-613702/13	N1310.D
Level 6	ICIS 480-613702/14	N1311.D
Level 7	IC 480-613702/15	N1312.D
Level 8	IC 480-613702/16	N1313.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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	+++++ 237643	7166 452014	16088 907099	43320	87505	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	9836 441898	17483 847213	39914 1704441	87812	170490	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	5633 328827	10936 646174	24848 1301181	63222	120185	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7326 372262	13050 778371	26338 1393228	73968	141354	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3677 162325	7601 305797	14258 641758	35624	59336	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 197227	9696 381231	16915 744828	38816	69985	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 343976	8959 645180	22021 1336338	62944	122264	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 410115	18444 789221	34567 1602453	85704	139391	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	6271 308670	12770 614415	27079 1309343	62222	112996	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Lin1	7983 187653	11679 369427	19184 808695	41055	76567	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	3776 229911	7785 457203	19040 912579	46090	82943	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 235049	7666 482891	18958 979748	46788	85330	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Lin1	11885	34888	44995	94588	187042	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			448481	927575	2079382			125	250	500		
Iodomethane	FB	Ave	7139 399533	14023 812064	33360 1637215	80215	148092	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	11542 742829	20974 1518569	60981 3037487	140129	270816	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	15401 681620	25330 1365537	57340 2816372	129206	240355	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	16073 702115	33769 1308301	59157 3009041	142773	250897	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	9960 253365	14232 518561	25483 1035755	53509	96640	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	4561 274020	16062 493192	23681 1300921	59554	105650	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	15406 793865	32767 1625018	65894 3402346	157612	285704	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 267216	11277 532778	23284 1108266	52279	98338	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31944 1583589	84766 3057287	139133 6959081	331468	603178	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 555556	19826 1074967	48920 2349669	109432	207454	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	9869 575640	21699 1148549	51103 2440195	120774	212436	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	34766 1890377	75818 3834134	148834 8837477	355172	687218	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5370 281238	10896 557050	24403 1060368	55772	108536	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5707 277109	10622 584677	25527 1206958	56309	106625	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	23135 979937	52520 1895545	83384 4464982	199563	383984	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2472 144244	5476 294246	11120 609071	31143	53009	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	6225 287258	14515 546764	26801 1225534	57477	116772	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	9774	17659	42345	95563	171380	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			456176	918285	1949007			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	+++++ 402961	15000 813685	35140 1693417	81254	145205	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 660654	22217 1358897	58996 2775978	132885	242980	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5758 362502	11135 733259	30870 1565947	72112	131472	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6490 382157	13558 753932	31124 1648123	75525	139715	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	19651 1096869	41720 2196739	98281 4732355	222136	400219	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	8743 342098	22058 684346	29354 1687524	65021	135372	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8288 453774	19064 900336	40202 1896304	87980	165659	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	12443 639633	22850 1218617	55065 2788752	127753	244927	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4809 272669	9936 552633	23791 1182516	56221	103000	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 456942	14589 918090	40418 1943405	88838	169890	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6583 325208	12331 632090	28265 1390534	64879	120019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2785 171578	7194 335690	14397 724879	32175	64441	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 43419	1906 82167	2696 190473	5866	13103	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5764 327757	12191 657418	27639 1484196	64739	118094	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3646 218175	8697 415878	16581 986418	42356	81206	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	7149 445997	16908 884653	37771 1964493	83109	160900	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	14124	33715	61473	149426	285370	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			757095	1478998	3455721			125	250	500		
Toluene	CBNZ d5	Ave	12344 688997	24616 1360468	61000 3024225	134104	252323	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6177 407708	14962 807686	31851 1866120	78860	147051	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5431 344279	13182 689028	27545 1668633	63536	129418	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4277 190827	7586 372542	16064 826250	37754	73003	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	4359 285089	10362 563660	25908 1256278	56206	105194	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	8660 412925	15174 797189	36002 1817817	81556	149249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	27957 1485685	61362 2889745	129299 6946881	298930	566815	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4344 239664	8641 493946	20194 1139822	46766	87238	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	5070 254536	9879 502491	22489 1119446	48688	92455	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZ d5	Ave	12968 728942	27921 1453633	66090 3221317	147027	273199	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	21591 1270811	47726 2533111	107461 5699902	251712	466635	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4102	8959	21384	49983	96209	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			264007	536248	1189118			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	8450 486051	17372 964356	43456 2157513	94746	180006	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	8235 479429	17368 937436	41760 2029854	95622	175419	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	14971 832714	29961 1647133	68467 3676772	159296	305685	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 153744	6109 321665	11788 775227	27955	56521	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	+++++ 1275045	43923 2520551	108271 5580670	251517	476616	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6082 319174	10639 617479	26228 1357435	62462	115815	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6387 307163	13647 606164	25761 1360480	61686	119498	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	23884 1476216	51173 2909493	123635 6524530	289006	548457	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2023 100161	4348 195456	9622 429113	19786	40061	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2591 147925	5750 291765	13300 681282	29328	57956	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5156 299989	9476 570422	25189 1253967	59701	109425	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	16894	37087	86321	205096	388796	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1037148	2033311	4513596			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	16463 949453	32466 1803990	87063 4034374	175939	346543	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 226095	7036 440472	19550 964993	43868	86877	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	18490 1038698	36539 2048431	84874 4530813	204188	385480	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1302653	43926 2568890	111643 5684643	258260	489479	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	9377 578986	22629 1144685	50601 2531000	116381	217294	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	18031 1127939	36683 2228174	90287 4990681	221754	406552	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	11764 590754	21716 1163258	51281 2584829	121749	219755	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	15703 967912	34087 1923584	80297 4329784	190731	359544	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10262 571350	22524 1112213	46939 2432988	111069	214899	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 52306	2160 108346	4769 265639	11078	20861	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6671 348025	15006 736379	28989 1659283	73029	130990	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	+++++	6569	14350	33395	61421	+++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			162322	356012	788813			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	19641 983900	43221 2085939	83768 4944351	204076	377620	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6048 316916	14516 701415	26032 1604234	67062	125238	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	212817 219124	222445 213590	228640 229639	217203	208947	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	296084 287127	316489 287475	304837 312259	288908	289506	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	851550 841085	901111 834458	916546 923738	835834	845422	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	258934 258767	273782 251887	270857 277742	254508	257177	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-613702/9	N1306.D
Level 2	IC 480-613702/10	N1307.D
Level 3	IC 480-613702/11	N1308.D
Level 4	IC 480-613702/12	N1309.D
Level 5	IC 480-613702/13	N1310.D
Level 6	ICIS 480-613702/14	N1311.D
Level 7	IC 480-613702/15	N1312.D
Level 8	IC 480-613702/16	N1313.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	+++++	-19.3						30				
Chloromethane	12.4						30					
Vinyl chloride	-6.3						30					
Butadiene	4.9						30					
Bromomethane	11.3						30					
Chloroethane	+++++	18.1						30				
Trichlorofluoromethane	+++++	-28.4						30				
Dichlorofluoromethane	+++++	9.1						30				
Ethyl ether	2.5						30					
Acrolein	12.1						30					
1,1-Dichloroethene	-11.4						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	-18.5						30				
Acetone	-29.6						30					
Iodomethane	-6.0						30					
Carbon disulfide	-14.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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	16.1						30					
Methyl acetate	12.9						30					
Methylene Chloride	13.0						30					
2-Methyl-2-propanol	-19.6						30					
Methyl tert-butyl ether	-0.9						30					
trans-1,2-Dichloroethene	+++++	1.4						30				
Acrylonitrile	-2.7						30					
Hexane	+++++	-12.5						30				
1,1-Dichloroethane	-11.5						30					
Vinyl acetate	-5.0						30					
2,2-Dichloropropane	-1.0						30					
cis-1,2-Dichloroethene	2.2						30					
2-Butanone (MEK)	11.5						30					
Chlorobromomethane	-10.5						30					
Tetrahydrofuran	4.0						30					
Chloroform	6.3						30					
1,1,1-Trichloroethane	+++++	-9.5						30				
Cyclohexane	+++++	-17.9						30				
Carbon tetrachloride	-14.6						30					
1,1-Dichloropropene	-9.9						30					
Benzene	-7.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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
Isobutyl alcohol	14.9						30					
1,2-Dichloroethane	-6.2						30					
n-Heptane	0.4						30					
Trichloroethene	-9.1						30					
Methylcyclohexane	+++++	-21.1						30				
1,2-Dichloropropane	3.6						30					
Dibromomethane	-14.8						30					
1,4-Dioxane	+++++	19.1						30				
Bromodichloromethane	-8.6						30					
2-Chloroethyl vinyl ether	-11.8						30					
cis-1,3-Dichloropropene	-15.0						30					
4-Methyl-2-pentanone (MIBK)	-4.5						30					
Toluene	-5.6						30					
trans-1,3-Dichloropropene	-17.9						30					
Ethyl methacrylate	-16.2						30					
1,1,2-Trichloroethane	13.6						30					
Tetrachloroethene	-18.7						30					
1,3-Dichloropropane	8.4						30					
2-Hexanone	-4.3						30					
Dibromochloromethane	-5.6						30					
1,2-Dibromoethane	2.9						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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
Chlorobenzene	-8.1						30					
Ethylbenzene	-10.5						30					
1,1,1,2-Tetrachloroethane	-15.6						30					
m,p-Xylene	-8.5						30					
o-Xylene	-8.7						30					
Styrene	-4.4						30					
Bromoform	+++++	-3.5						30				
Isopropylbenzene	+++++	-15.2						30				
Bromobenzene	2.5						30					
1,1,2,2-Tetrachloroethane	4.6						30					
N-Propylbenzene	-12.8						30					
1,2,3-Trichloropropane	0.9						30					
trans-1,4-Dichloro-2-butene	-9.8						30					
2-Chlorotoluene	-6.0						30					
1,3,5-Trimethylbenzene	-12.5						30					
4-Chlorotoluene	-6.5						30					
tert-Butylbenzene	+++++	-22.4						30				
1,2,4-Trimethylbenzene	-4.8						30					
sec-Butylbenzene	+++++	-17.0						30				
1,3-Dichlorobenzene	-14.7						30					
4-Isopropyltoluene	-12.4						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 613702

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2022 15:52 Calibration End Date: 02/03/2022 18:34 Calibration ID: 43039

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-Dichlorobenzene	3.0						30					
n-Butylbenzene	-12.9						30					
1,2-Dichlorobenzene	-5.0						30					
1,2-Dibromo-3-Chloropropane	+++++	-6.4						30				
1,2,4-Trichlorobenzene	-4.1						30					
Hexachlorobutadiene	+++++	-6.8						30				
Naphthalene	-1.9						30					
1,2,3-Trichlorobenzene	-7.0						30					
Dibromofluoromethane (Surr)	-0.5						30					
1,2-Dichloroethane-d4 (Surr)	1.9						30					
Toluene-d8 (Surr)	1.6						30					
4-Bromofluorobenzene (Surr)	2.0						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Feb-2022 15:52:30 ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0103740-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:36 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:45:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	98	193132	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	705876	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	338393	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	212817	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	98	296084	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	851550	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.572	9.578	-0.006	89	258934	25.0	25.5	
11 Dichlorodifluoromethane	85	1.262	1.250	0.012	28	3004	0.5000	0.3579	
13 Chloromethane	50	1.432	1.420	0.012	47	9836	0.5000	0.5621	
14 Vinyl chloride	62	1.511	1.511	0.000	37	5633	0.5000	0.4687	
144 Butadiene	54	1.524	1.530	-0.006	89	7326	0.5000	0.5243	a
15 Bromomethane	94	1.816	1.822	-0.006	5	3677	0.5000	0.5565	
16 Chloroethane	64	1.895	1.895	0.000	36	4869	0.5000	0.6276	
18 Trichlorofluoromethane	101	2.114	2.089	0.025	1	3466	0.5000	0.2932	
17 Dichlorofluoromethane	67	2.278	2.114	0.164	1	2186	0.5000	0.1368	
19 Ethyl ether	59	2.381	2.381	0.000	73	6271	0.5000	0.5125	
20 Acrolein	56	2.558	2.558	0.000	60	7983	2.50	2.80	
22 1,1-Dichloroethene	96	2.588	2.594	-0.006	89	3776	0.5000	0.4429	
21 112TCTFE	101	2.600	2.600	0.000	59	2212	0.5000	0.2488	Ma
23 Acetone	43	2.716	2.710	0.006	97	11885	2.50	1.76	
24 Iodomethane	142	2.771	2.752	0.019	79	7139	0.5000	0.4700	
25 Carbon disulfide	76	2.789	2.783	0.006	58	11542	0.5000	0.4294	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	89	15401	0.5000	0.5803	
28 Methyl acetate	43	3.008	3.008	0.000	99	16073	1.00	1.13	Ma
30 Methylene Chloride	84	3.105	3.099	0.006	89	9960	0.5000	0.5651	
31 2-Methyl-2-propanol	59	3.288	3.276	0.012	28	4561	5.00	4.02	a
32 Methyl tert-butyl ether	73	3.318	3.312	0.006	96	15406	0.5000	0.4954	
33 trans-1,2-Dichloroethene	96	3.330	3.324	0.006	87	4195	0.5000	0.3993	
34 Acrylonitrile	53	3.385	3.379	0.006	96	31944	5.00	4.87	a
35 Hexane	57	3.513	3.519	-0.006	65	4761	0.5000	0.2223	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.744	3.738	0.006	94	9869	0.5000	0.4427	
39 Vinyl acetate	43	3.799	3.799	0.000	96	34766	1.00	0.9501	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	50	5370	0.5000	0.4951	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	83	5707	0.5000	0.5108	
44 2-Butanone (MEK)	43	4.340	4.328	0.012	98	23135	2.50	2.79	
47 Chlorobromomethane	128	4.529	4.523	0.006	87	2472	0.5000	0.4473	
49 Tetrahydrofuran	42	4.553	4.547	0.006	84	6225	1.00	1.04	
50 Chloroform	83	4.602	4.602	0.000	91	9774	0.5000	0.5315	
51 1,1,1-Trichloroethane	97	4.705	4.711	-0.006	75	6344	0.5000	0.4052	
52 Cyclohexane	56	4.717	4.717	0.000	80	10209	0.5000	0.3992	
53 Carbon tetrachloride	117	4.851	4.851	0.000	89	5758	0.5000	0.4271	
54 1,1-Dichloropropene	75	4.870	4.863	0.007	90	6490	0.5000	0.4507	
55 Benzene	78	5.070	5.064	0.006	41	19651	0.5000	0.4608	
56 Isobutyl alcohol	43	5.113	5.095	0.018	52	8743	12.5	14.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	94	8288	0.5000	0.4689	
59 n-Heptane	43	5.247	5.247	0.000	93	12443	0.5000	0.5021	
60 Trichloroethene	95	5.667	5.672	-0.005	91	4809	0.5000	0.4543	
62 Methylcyclohexane	83	5.782	5.788	-0.006	91	5774	0.5000	0.3306	
63 1,2-Dichloropropane	63	5.916	5.910	0.006	94	6583	0.5000	0.5181	
64 Dibromomethane	93	6.044	6.050	-0.006	90	2785	0.5000	0.4258	
66 1,4-Dioxane	88	6.062	6.062	0.000	0	160	10.0	2.12	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	92	5764	0.5000	0.4572	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	77	3646	0.5000	0.4412	
71 cis-1,3-Dichloropropene	75	6.622	6.615	0.007	88	7149	0.5000	0.4251	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	97	14124	2.50	2.39	
73 Toluene	92	6.908	6.901	0.007	97	12344	0.5000	0.4720	
75 trans-1,3-Dichloropropene	75	7.194	7.187	0.007	94	6177	0.5000	0.4106	
77 Ethyl methacrylate	69	7.236	7.236	0.000	84	5431	0.5000	0.4188	
78 1,1,2-Trichloroethane	83	7.370	7.376	-0.006	87	4277	0.5000	0.5681	
79 Tetrachloroethene	166	7.431	7.431	0.000	84	4359	0.5000	0.4063	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	90	8660	0.5000	0.5422	
82 2-Hexanone	43	7.607	7.607	0.000	96	27957	2.50	2.39	
83 Chlorodibromomethane	129	7.771	7.771	0.000	79	4344	0.5000	0.4719	
84 Ethylene Dibromide	107	7.869	7.875	-0.006	89	5070	0.5000	0.5147	
85 Chlorobenzene	112	8.349	8.349	0.000	96	12968	0.5000	0.4595	
88 Ethylbenzene	91	8.441	8.441	0.000	98	21591	0.5000	0.4476	
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	45	4102	0.5000	0.4219	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	98	8450	0.5000	0.4574	
91 o-Xylene	106	8.994	8.988	0.006	96	8235	0.5000	0.4564	
92 Styrene	104	9.019	9.018	0.001	92	14971	0.5000	0.4782	
93 Bromoform	173	9.274	9.268	0.006	18	2387	0.5000	0.3998	
95 Isopropylbenzene	105	9.371	9.377	-0.006	96	19566	0.5000	0.4052	
97 Bromobenzene	156	9.724	9.724	0.000	84	6082	0.5000	0.5123	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	90	6387	0.5000	0.5230	
100 N-Propylbenzene	91	9.803	9.809	-0.006	97	23884	0.5000	0.4360	
99 1,2,3-Trichloropropane	110	9.822	9.815	0.007	90	2023	0.5000	0.5044	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	71	2591	0.5000	0.4512	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	5156	0.5000	0.4700	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	93	16894	0.5000	0.4376	
105 4-Chlorotoluene	91	10.028	10.022	0.006	96	16463	0.5000	0.4673	
106 tert-Butylbenzene	134	10.302	10.308	-0.006	95	3160	0.5000	0.3740	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	97	18490	0.5000	0.4759	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	93	19725	0.5000	0.4000	
110 1,3-Dichlorobenzene	146	10.649	10.655	-0.006	75	9377	0.5000	0.4264	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	96	18031	0.5000	0.4380	
113 1,4-Dichlorobenzene	146	10.746	10.740	0.006	89	11764	0.5000	0.5150	
115 n-Butylbenzene	91	11.050	11.050	0.000	93	15703	0.5000	0.4353	
116 1,2-Dichlorobenzene	146	11.093	11.099	-0.006	95	10262	0.5000	0.4752	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	1	665	0.5000	0.3091	
119 1,2,4-Trichlorobenzene	180	12.511	12.504	0.007	89	6671	0.5000	0.4795	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	86	2446	0.5000	0.3725	
121 Naphthalene	128	12.723	12.717	0.006	95	19641	0.5000	0.4903	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	93	6048	0.5000	0.4649	
S 126 Xylenes, Total	1				0			0.9138	
S 123 1,3-Dichloropropene, Total	1				0			0.8358	
S 124 1,2-Dichloroethene, Total	1				0			0.9102	
S 125 Total BTEX	1				0			2.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00219	Amount Added:	0.50	Units: uL	
GAS CORP mix_00492	Amount Added:	0.50	Units: uL	
N_8260_Surr_00433	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:37 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D

Injection Date: 03-Feb-2022 15:52:30 Instrument ID: HP5973N Operator ID: LH

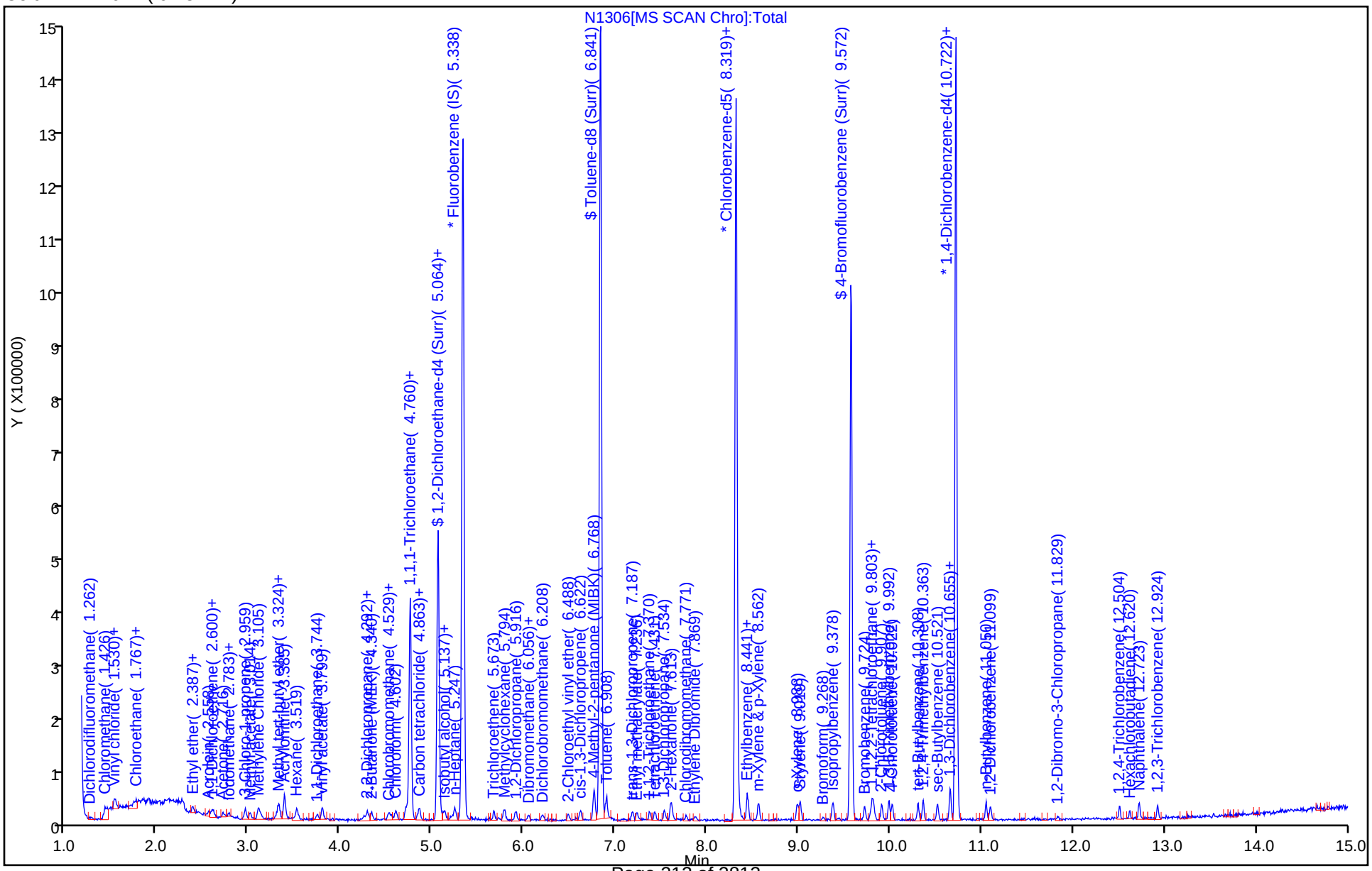
Lims ID: IC 0.5 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

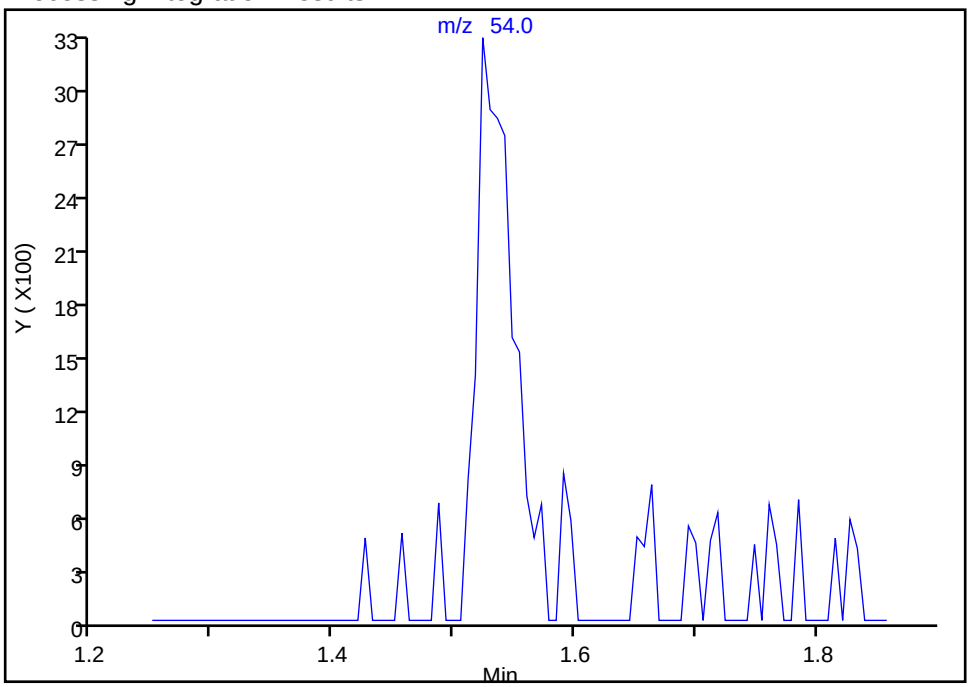
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

144 Butadiene, CAS: 106-99-0

Signal: 1

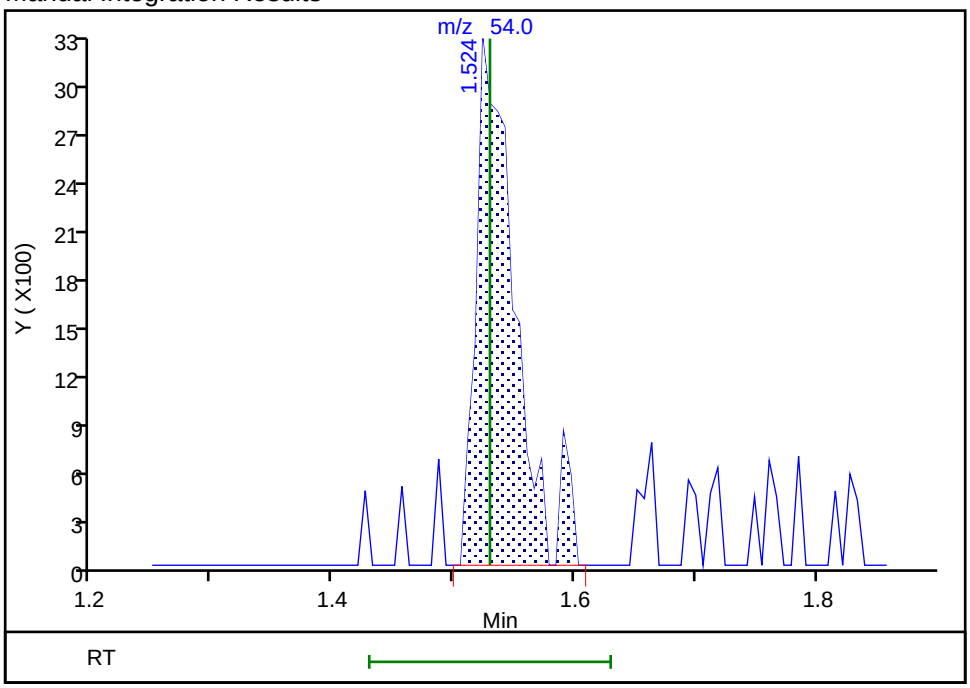
Not Detected
Expected RT: 1.53

Processing Integration Results



Manual Integration Results

RT: 1.52
Area: 7326
Amount: 0.524309
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:27:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

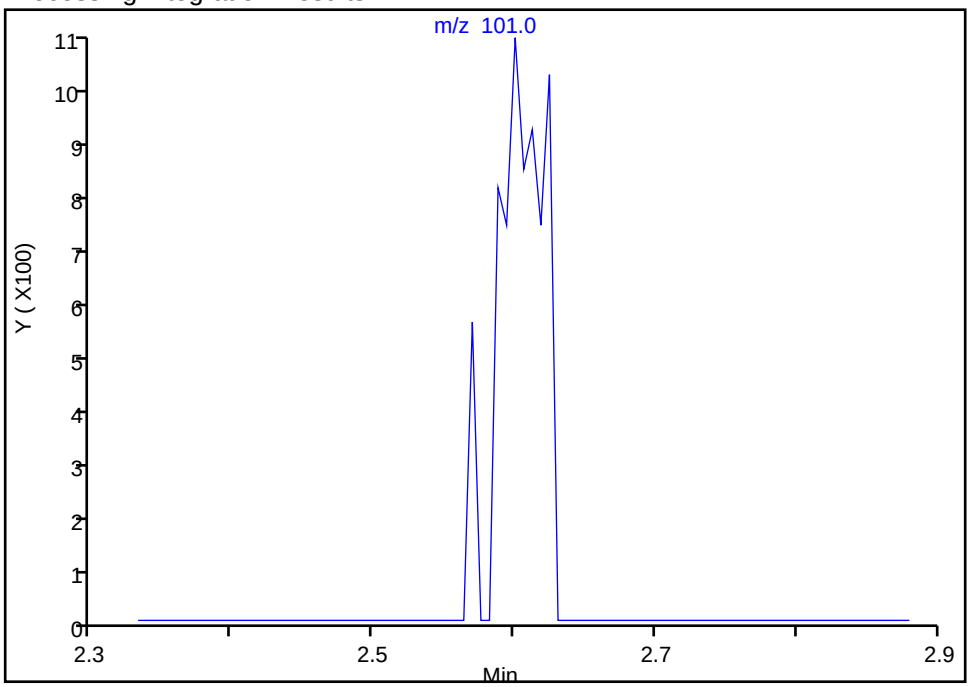
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

21 112TCTFE, CAS: 76-13-1

Signal: 1

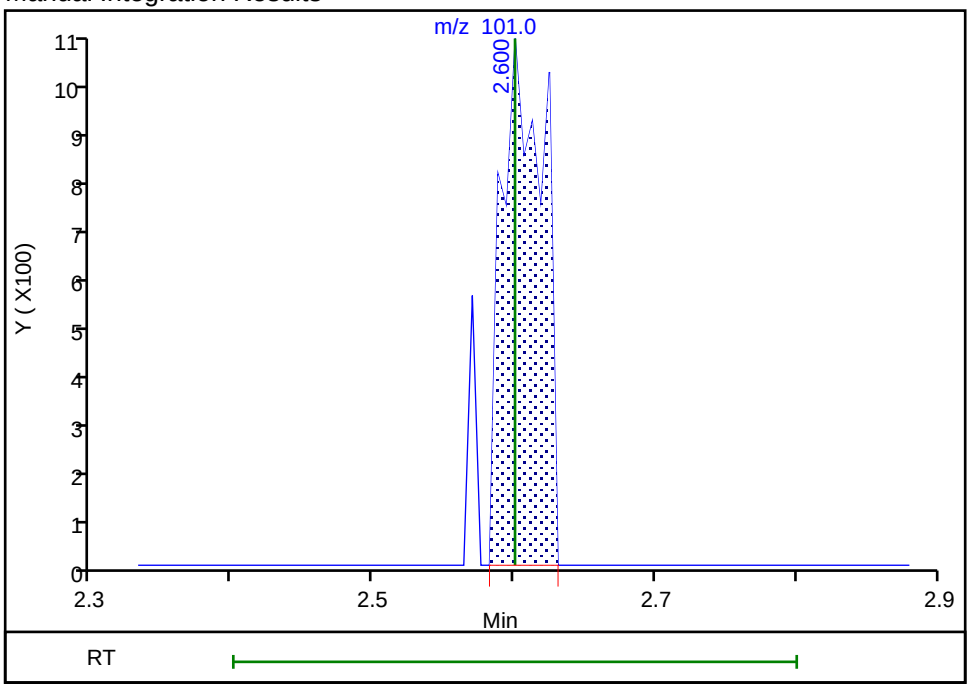
Not Detected
Expected RT: 2.60

Processing Integration Results



Manual Integration Results

RT: 2.60
Area: 2212
Amount: 0.248807
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:43:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

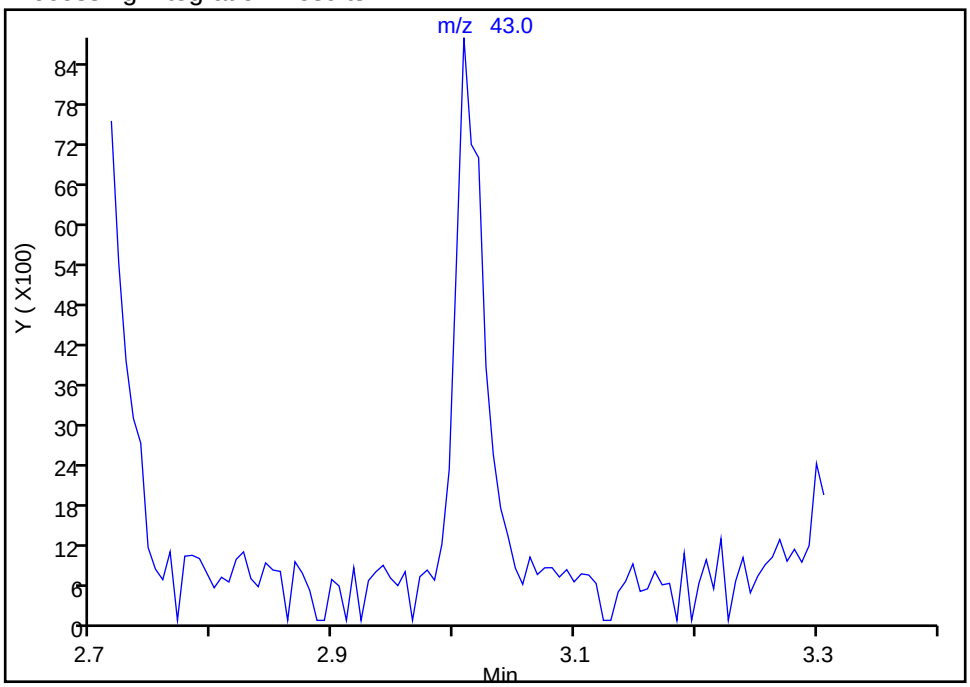
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

28 Methyl acetate, CAS: 79-20-9

Signal: 1

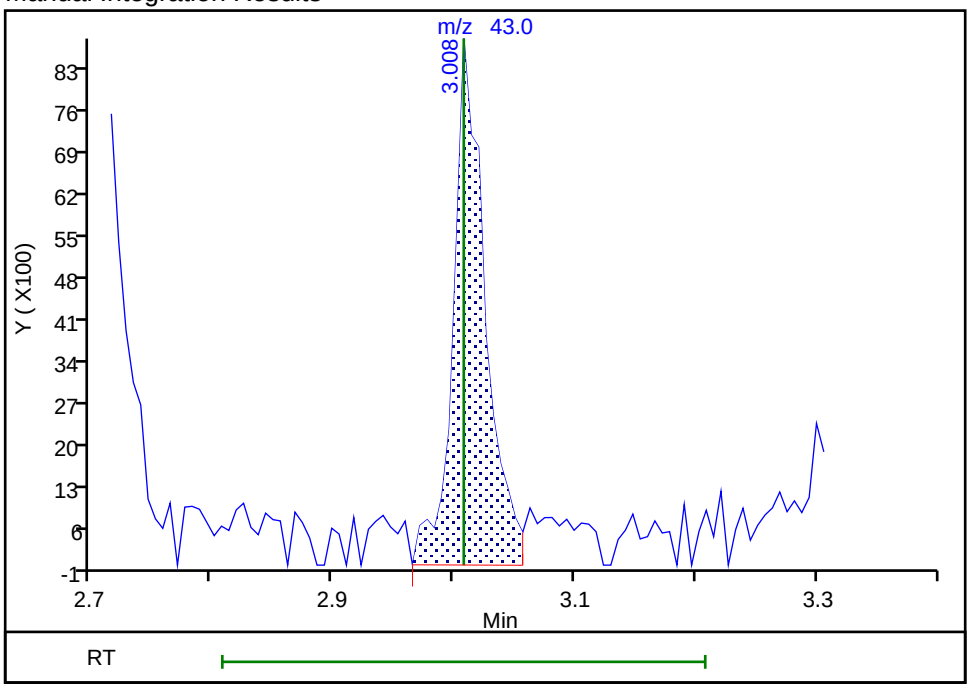
Not Detected
Expected RT: 3.01

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 16073
Amount: 1.129497
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:43:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

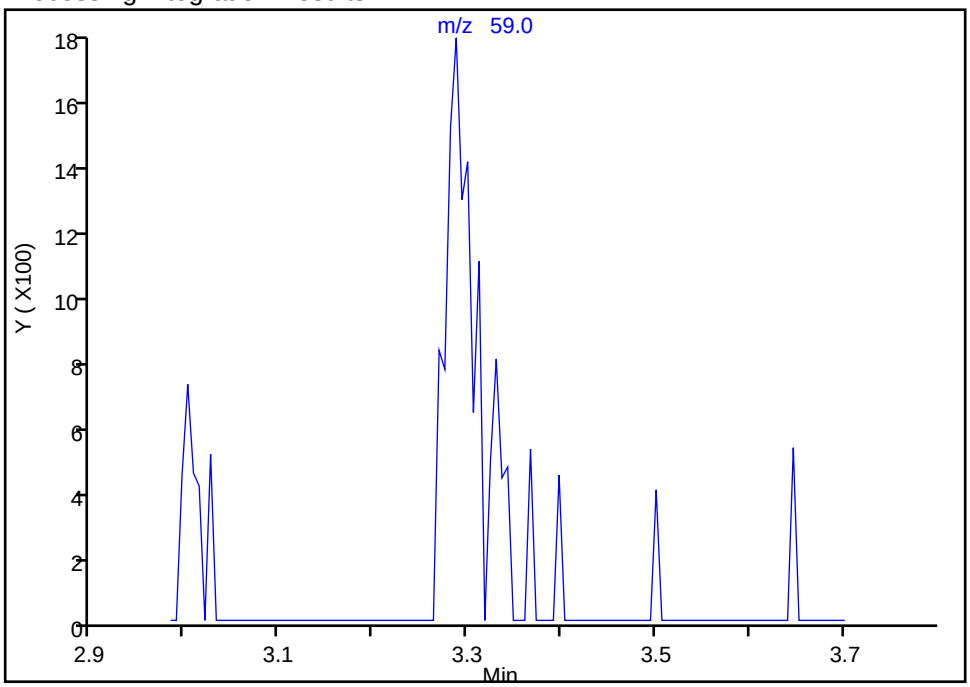
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

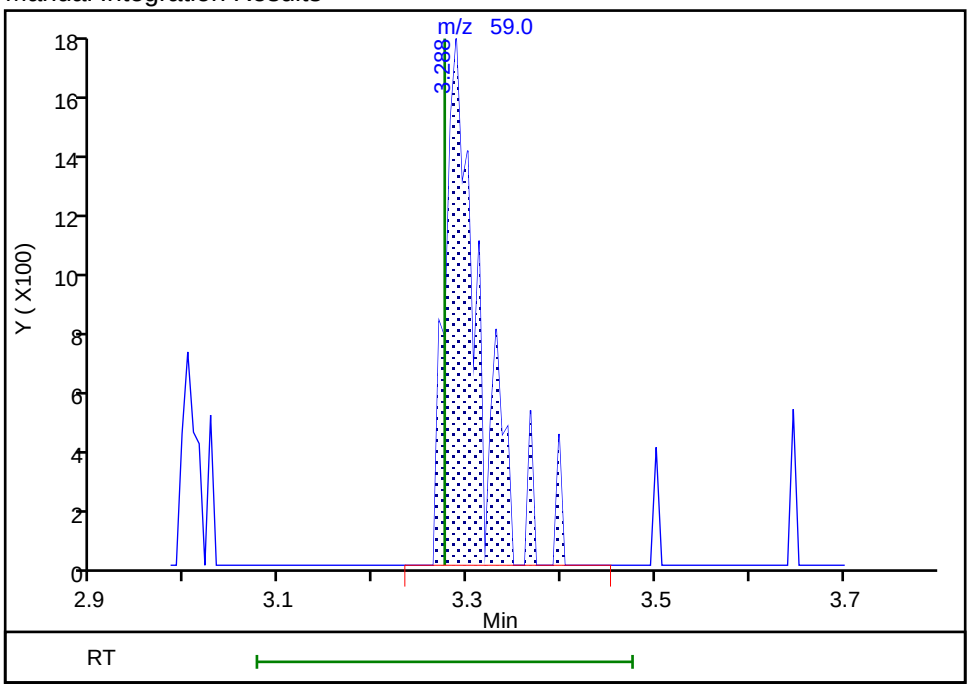
Not Detected
Expected RT: 3.28

Processing Integration Results



Manual Integration Results

RT: 3.29
Area: 4561
Amount: 4.018589
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:43:48
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

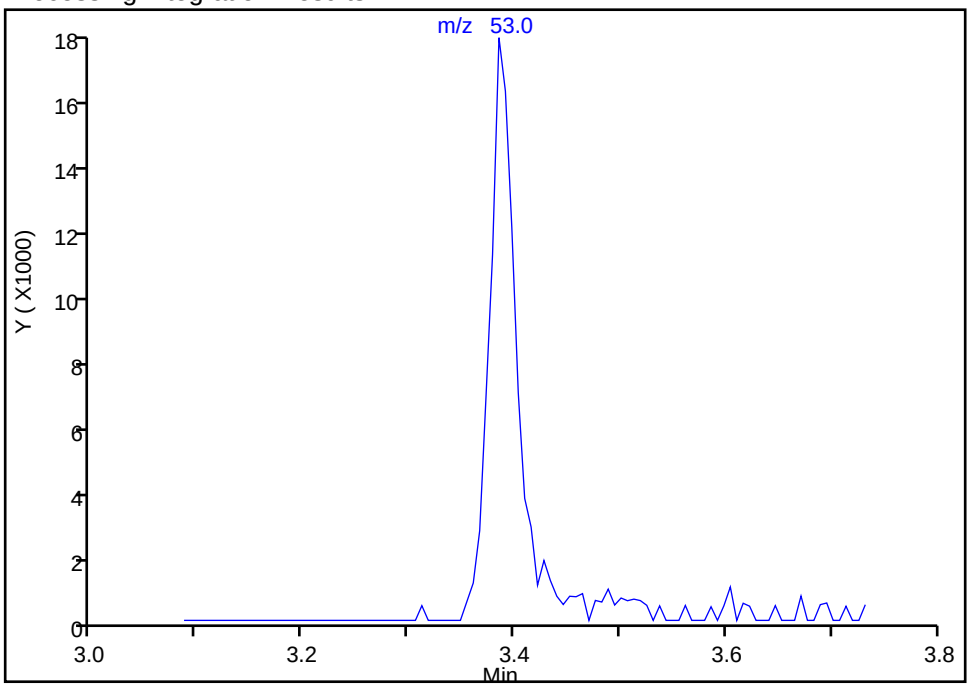
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

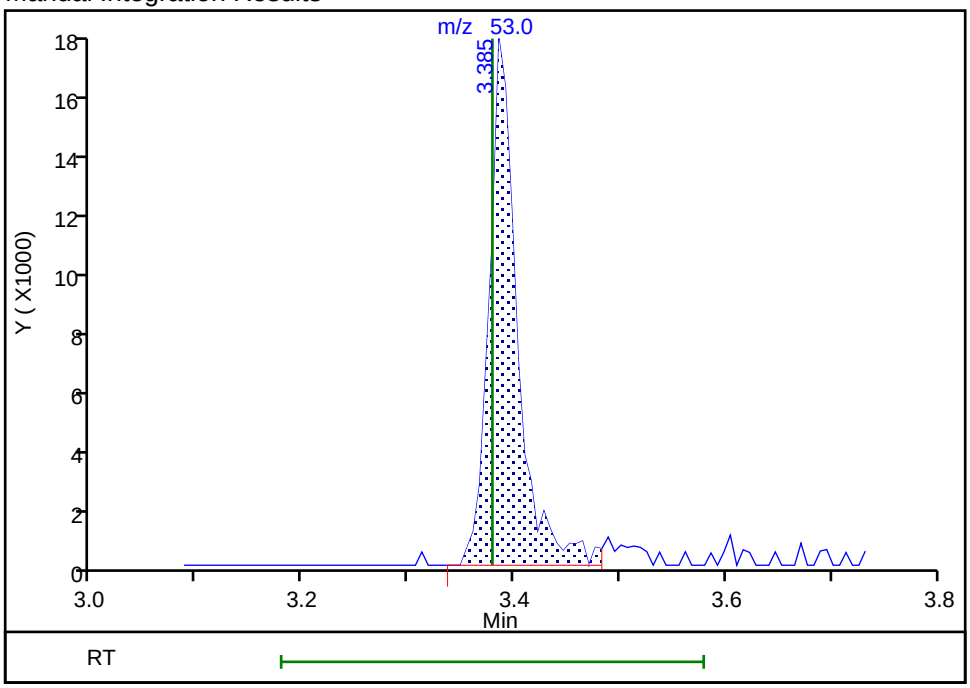
Not Detected
Expected RT: 3.38

Processing Integration Results



RT: 3.39
Area: 31944
Amount: 4.866586
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 04-Feb-2022 10:43:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

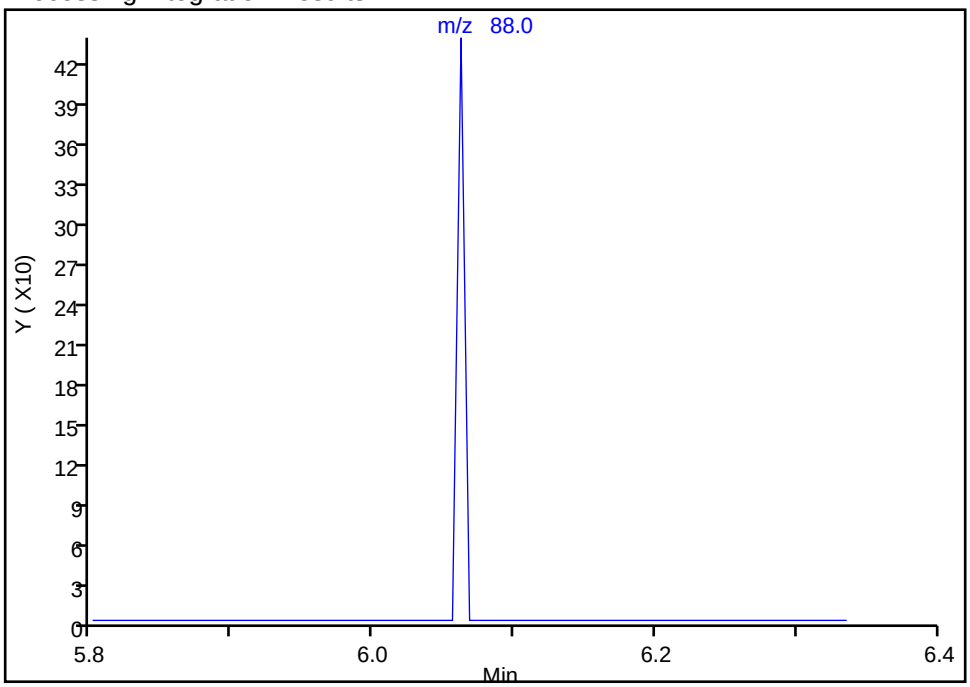
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1306.D				
Injection Date:	03-Feb-2022 15:52:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

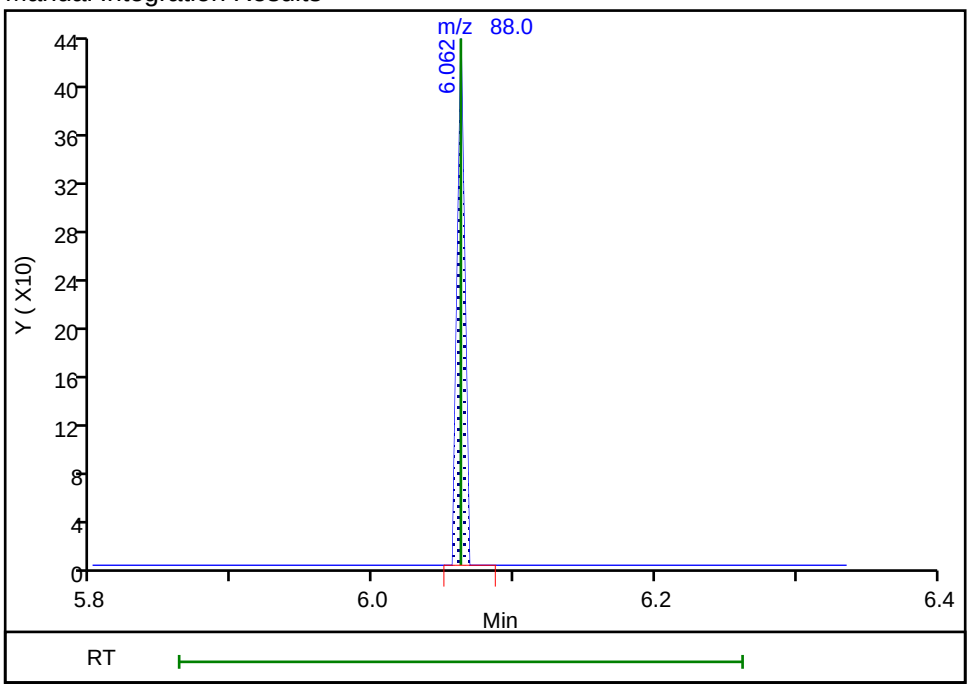
Not Detected
Expected RT: 6.06

Processing Integration Results



RT: 6.06
Area: 160
Amount: 2.120388
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 04-Feb-2022 10:44:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1307.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Feb-2022 16:15:30 ALS Bottle#: 13 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0103740-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:38 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:45:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	204411	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	748394	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	363030	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.754	4.760	-0.006	92	222445	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	97	316489	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	6.835	6.841	-0.006	94	901111	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	273782	25.0	25.4	
11 Dichlorodifluoromethane	85	1.256	1.250	0.006	42	7166	1.00	0.8067	
13 Chloromethane	50	1.414	1.420	-0.006	95	17483	1.00	0.9439	
14 Vinyl chloride	62	1.505	1.511	-0.006	86	10936	1.00	0.8598	
144 Butadiene	54	1.524	1.530	-0.006	94	13050	1.00	0.8824	
15 Bromomethane	94	1.840	1.822	0.018	48	7601	1.00	1.09	
16 Chloroethane	64	1.883	1.895	-0.012	37	9696	1.00	1.18	
18 Trichlorofluoromethane	101	2.102	2.089	0.013	51	8959	1.00	0.7160	
17 Dichlorofluoromethane	67	2.108	2.114	-0.006	93	18444	1.00	1.09	
19 Ethyl ether	59	2.375	2.381	-0.006	89	12770	1.00	0.9861	
20 Acrolein	56	2.558	2.558	0.000	92	11679	5.00	4.85	
22 1,1-Dichloroethene	96	2.600	2.594	0.006	91	7785	1.00	0.8628	
21 112TCTFE	101	2.600	2.600	0.000	64	7666	1.00	0.8147	
23 Acetone	43	2.716	2.710	0.006	97	34888	5.00	7.34	
24 Iodomethane	142	2.740	2.752	-0.012	76	14023	1.00	0.8722	
25 Carbon disulfide	76	2.777	2.783	-0.006	99	20974	1.00	0.7372	
27 3-Chloro-1-propene	41	2.947	2.959	-0.012	90	25330	1.00	0.9017	
28 Methyl acetate	43	3.002	3.008	-0.006	99	33769	2.00	2.24	
30 Methylene Chloride	84	3.093	3.099	-0.006	91	14232	1.00	0.9190	
31 2-Methyl-2-propanol	59	3.288	3.276	0.012	92	16062	10.0	13.4	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	93	32767	1.00	1.00	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	89	11277	1.00	1.01	
34 Acrylonitrile	53	3.379	3.379	0.000	98	84766	10.0	12.2	
35 Hexane	57	3.519	3.519	0.000	96	19826	1.00	0.8748	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	95	21699	1.00	0.9197	
39 Vinyl acetate	43	3.793	3.799	-0.006	96	75818	2.00	1.96	
42 2,2-Dichloropropane	77	4.243	4.255	-0.012	89	10896	1.00	0.9492	
43 cis-1,2-Dichloroethene	96	4.286	4.292	-0.006	84	10622	1.00	0.8983	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	52520	5.00	5.98	
47 Chlorobromomethane	128	4.523	4.523	0.000	88	5476	1.00	0.9362	
49 Tetrahydrofuran	42	4.547	4.547	0.000	91	14515	2.00	2.29	
50 Chloroform	83	4.602	4.602	0.000	93	17659	1.00	0.9074	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	87	15000	1.00	0.9052	
52 Cyclohexane	56	4.718	4.717	0.001	91	22217	1.00	0.8208	
53 Carbon tetrachloride	117	4.845	4.851	-0.006	93	11135	1.00	0.7804	
54 1,1-Dichloropropene	75	4.857	4.863	-0.006	88	13558	1.00	0.8896	
55 Benzene	78	5.058	5.064	-0.006	44	41720	1.00	0.9244	
56 Isobutyl alcohol	43	5.107	5.095	0.012	91	22058	25.0	34.2	M
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	19064	1.00	1.02	
59 n-Heptane	43	5.247	5.247	0.000	95	22850	1.00	0.8712	
60 Trichloroethene	95	5.673	5.672	0.001	94	9936	1.00	0.8868	
62 Methylcyclohexane	83	5.782	5.788	-0.006	95	14589	1.00	0.7893	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	89	12331	1.00	0.9170	
64 Dibromomethane	93	6.050	6.050	0.000	93	7194	1.00	1.04	
66 1,4-Dioxane	88	6.068	6.062	0.006	28	1906	20.0	23.8	a
67 Dichlorobromomethane	83	6.208	6.202	0.006	94	12191	1.00	0.9136	
69 2-Chloroethyl vinyl ether	63	6.476	6.482	-0.006	88	8697	1.00	0.99	
71 cis-1,3-Dichloropropene	75	6.616	6.615	0.001	88	16908	1.00	0.9500	
72 4-Methyl-2-pentanone (MIBK)	58	6.762	6.768	-0.006	98	33715	5.00	5.37	
73 Toluene	92	6.902	6.901	0.001	97	24616	1.00	0.8878	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	92	14962	1.00	0.9381	
77 Ethyl methacrylate	69	7.236	7.236	0.000	90	13182	1.00	0.9587	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	84	7586	1.00	0.9504	
79 Tetrachloroethene	166	7.431	7.431	0.000	93	10362	1.00	0.9110	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	90	15174	1.00	0.8961	
82 2-Hexanone	43	7.607	7.607	0.000	99	61362	5.00	4.95	
83 Chlorodibromomethane	129	7.778	7.771	0.007	87	8641	1.00	0.8853	
84 Ethylene Dibromide	107	7.869	7.875	-0.006	94	9879	1.00	0.9460	
85 Chlorobenzene	112	8.349	8.349	0.000	96	27921	1.00	0.9332	
88 Ethylbenzene	91	8.441	8.441	0.000	98	47726	1.00	0.9332	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	45	8959	1.00	0.8692	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	97	17372	1.00	0.8869	
91 o-Xylene	106	8.988	8.988	0.000	95	17368	1.00	0.9079	
92 Styrene	104	9.019	9.018	0.001	93	29961	1.00	0.9027	
93 Bromoform	173	9.268	9.268	0.000	94	6109	1.00	0.9650	
95 Isopropylbenzene	105	9.378	9.377	0.001	96	43923	1.00	0.8478	
97 Bromobenzene	156	9.724	9.724	0.000	95	10639	1.00	0.8354	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.785	0.006	92	13647	1.00	1.04	
100 N-Propylbenzene	91	9.809	9.809	0.000	98	51173	1.00	0.8707	
99 1,2,3-Trichloropropane	110	9.822	9.815	0.007	87	4348	1.00	1.01	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	81	5750	1.00	0.9334	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	9476	1.00	0.8052	
104 1,3,5-Trimethylbenzene	105	9.986	9.992	-0.006	92	37087	1.00	0.8955	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	32466	1.00	0.8590	
106 tert-Butylbenzene	134	10.308	10.308	0.000	94	7036	1.00	0.7763	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	97	36539	1.00	0.8766	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.515	10.521	-0.006	95	43926	1.00	0.8304	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	93	22629	1.00	0.9593	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	96	36683	1.00	0.8306	
113 1,4-Dichlorobenzene	146	10.740	10.740	0.000	93	21716	1.00	0.8861	
115 n-Butylbenzene	91	11.051	11.050	0.001	98	34087	1.00	0.8808	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	97	22524	1.00	0.9723	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	78	2160	1.00	0.9357	
119 1,2,4-Trichlorobenzene	180	12.511	12.504	0.007	92	15006	1.00	1.01	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	92	6569	1.00	0.9324	
121 Naphthalene	128	12.717	12.717	0.000	97	43221	1.00	1.01	
122 1,2,3-Trichlorobenzene	180	12.918	12.924	-0.006	93	14516	1.00	1.04	
S 126 Xylenes, Total	1				0			1.79	
S 123 1,3-Dichloropropene, Total	1				0			1.89	
S 124 1,2-Dichloroethene, Total	1				0			1.91	
S 125 Total BTEX	1				0			4.54	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00219	Amount Added:	1.00	Units: uL	
GAS CORP mix_00492	Amount Added:	1.00	Units: uL	
N_8260_Surr_00433	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:39 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1307.D

Injection Date: 03-Feb-2022 16:15:30 Instrument ID: HP5973N Operator ID: LH

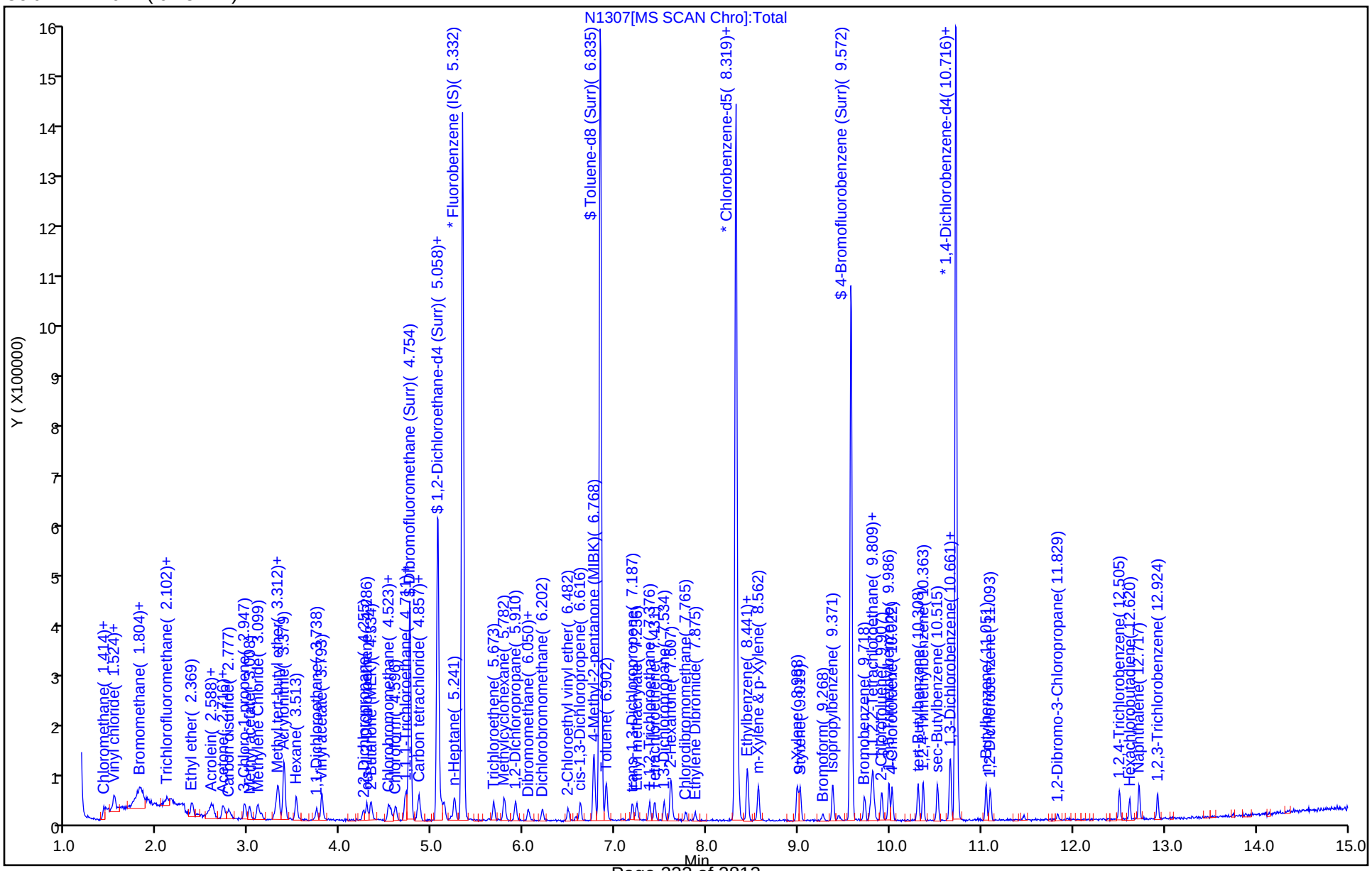
Lims ID: IC Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

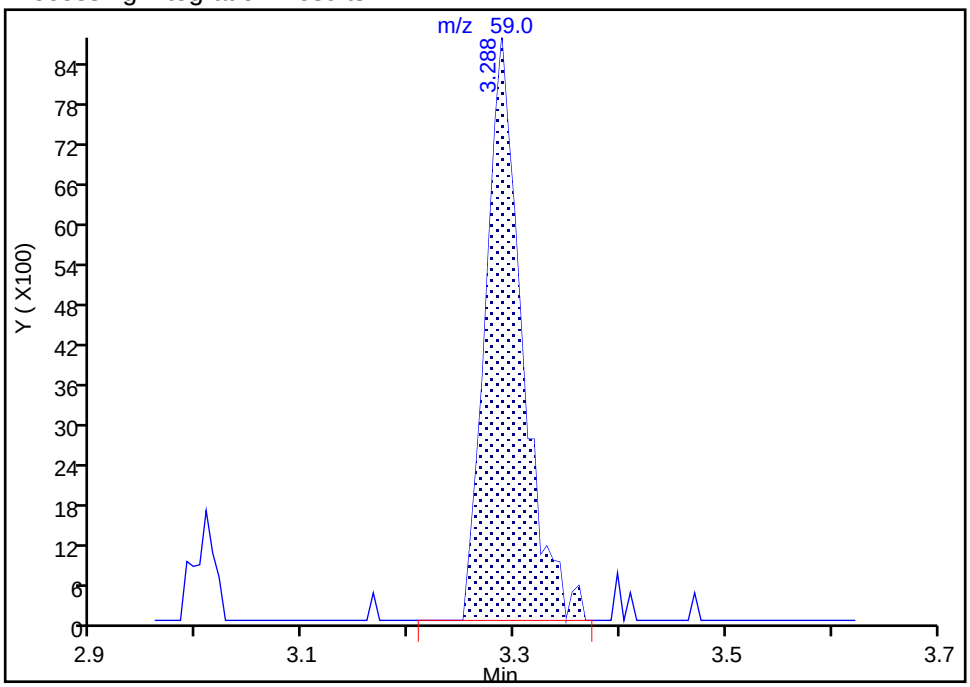
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1307.D				
Injection Date:	03-Feb-2022 16:15:30	Instrument ID:	HP5973N		
Lims ID:	IC				
Client ID:					
Operator ID:	LH	ALS Bottle#:	13	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

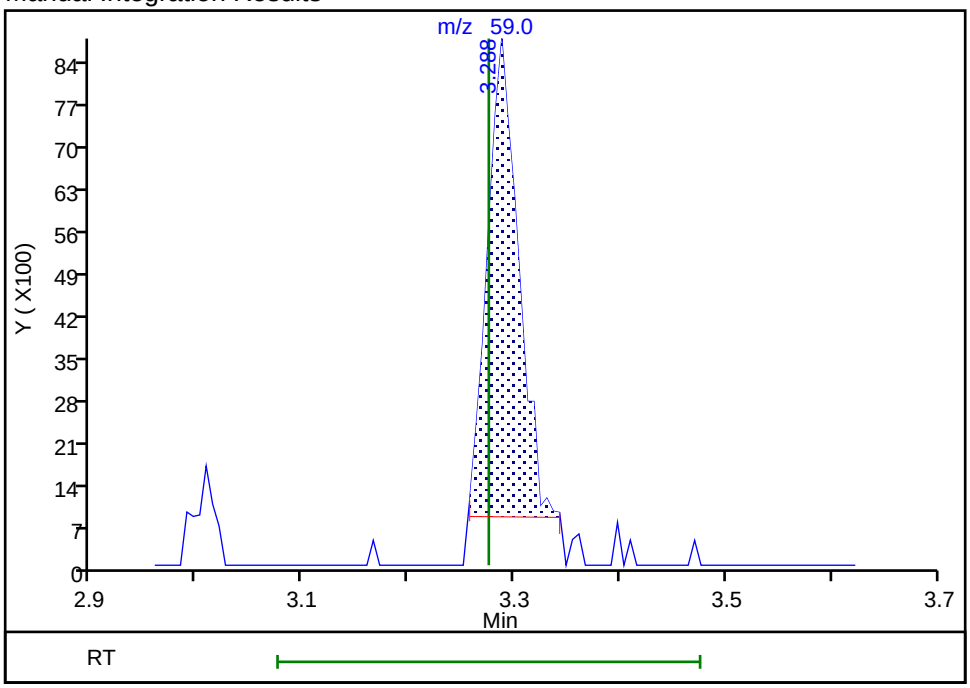
Processing Integration Results

RT: 3.29
Area: 20779
Amount: 17.443277
Amount Units: ug/L



Manual Integration Results

RT: 3.29
Area: 16062
Amount: 13.370978
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:28:27

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

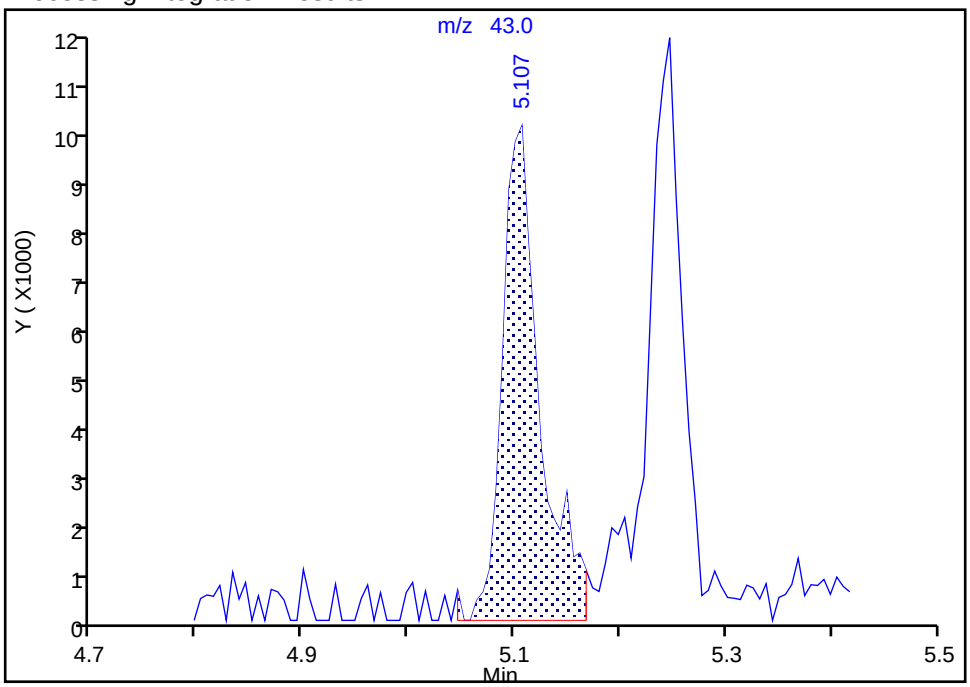
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1307.D				
Injection Date:	03-Feb-2022 16:15:30	Instrument ID:	HP5973N		
Lims ID:	IC				
Client ID:					
Operator ID:	LH	ALS Bottle#:	13	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

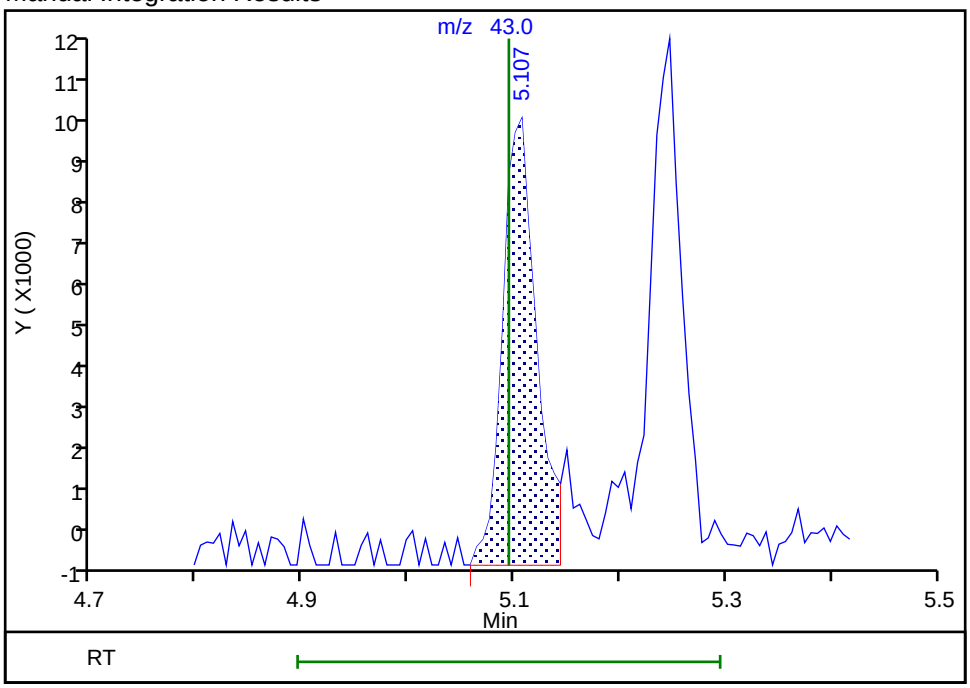
Processing Integration Results

RT: 5.11
Area: 24474
Amount: 37.293297
Amount Units: ug/L



Manual Integration Results

RT: 5.11
Area: 22058
Amount: 34.242124
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:38:31

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

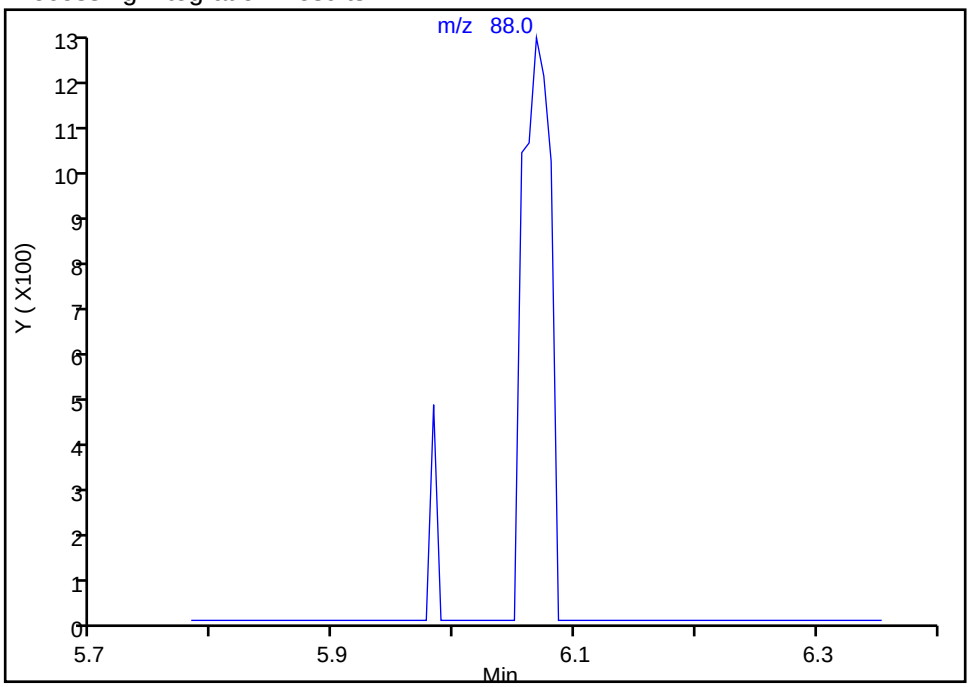
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1307.D				
Injection Date:	03-Feb-2022 16:15:30	Instrument ID:	HP5973N		
Lims ID:	IC				
Client ID:					
Operator ID:	LH	ALS Bottle#:	13	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

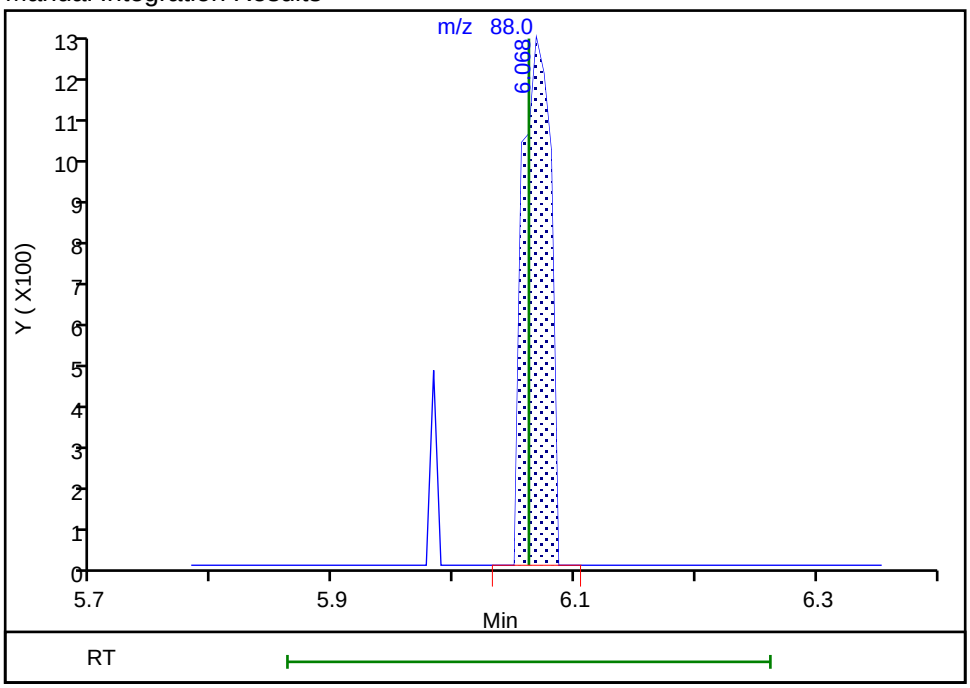
Not Detected
Expected RT: 6.06

Processing Integration Results



RT: 6.07
Area: 1906
Amount: 23.824093
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 04-Feb-2022 10:45:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1308.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Feb-2022 16:38:30 ALS Bottle#: 14 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0103740-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:41 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:46:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	209606	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	749971	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	360191	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	228640	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	96	304837	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	6.834	6.841	-0.007	94	916546	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	270857	25.0	25.1	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	96	16088	2.00	1.77	
13 Chloromethane	50	1.426	1.420	0.006	98	39914	2.00	2.10	
14 Vinyl chloride	62	1.511	1.511	0.000	91	24848	2.00	1.91	
144 Butadiene	54	1.530	1.530	0.000	95	26338	2.00	1.74	
15 Bromomethane	94	1.834	1.822	0.012	49	14258	2.00	1.99	
16 Chloroethane	64	1.895	1.895	0.000	94	16915	2.00	2.01	
18 Trichlorofluoromethane	101	2.083	2.089	-0.006	92	22021	2.00	1.72	
17 Dichlorofluoromethane	67	2.120	2.114	0.006	97	34567	2.00	1.99	
19 Ethyl ether	59	2.381	2.381	0.000	96	27079	2.00	2.04	
20 Acrolein	56	2.558	2.558	0.000	95	19184	10.0	9.32	
22 1,1-Dichloroethene	96	2.582	2.594	-0.012	93	19040	2.00	2.06	
21 112TCTFE	101	2.606	2.600	0.006	87	18958	2.00	1.96	
23 Acetone	43	2.710	2.710	0.000	97	44995	10.0	9.59	
24 Iodomethane	142	2.740	2.752	-0.012	98	33360	2.00	2.02	
25 Carbon disulfide	76	2.783	2.783	0.000	98	60981	2.00	2.09	
27 3-Chloro-1-propene	41	2.953	2.959	-0.006	86	57340	2.00	1.99	
28 Methyl acetate	43	3.008	3.008	0.000	99	59157	4.00	3.83	
30 Methylene Chloride	84	3.093	3.099	-0.006	90	25483	2.00	1.94	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	91	23681	20.0	19.2	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	95	65894	2.00	1.95	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	93	23284	2.00	2.04	
34 Acrylonitrile	53	3.379	3.379	0.000	97	139133	20.0	19.5	
35 Hexane	57	3.519	3.519	0.000	96	48920	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.744	3.738	0.006	97	51103	2.00	2.11	
39 Vinyl acetate	43	3.793	3.799	-0.006	97	148834	4.00	3.75	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	83	24403	2.00	2.07	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	84	25527	2.00	2.11	
44 2-Butanone (MEK)	43	4.334	4.328	0.006	96	83384	10.0	9.26	
47 Chlorobromomethane	128	4.517	4.523	-0.006	87	11120	2.00	1.85	
49 Tetrahydrofuran	42	4.547	4.547	0.000	93	26801	4.00	4.13	
50 Chloroform	83	4.602	4.602	0.000	95	42345	2.00	2.12	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	85	35140	2.00	2.07	
52 Cyclohexane	56	4.711	4.717	-0.006	89	58996	2.00	2.13	
53 Carbon tetrachloride	117	4.839	4.851	-0.012	97	30870	2.00	2.11	
54 1,1-Dichloropropene	75	4.857	4.863	-0.006	85	31124	2.00	1.99	
55 Benzene	78	5.064	5.064	0.000	54	98281	2.00	2.12	
56 Isobutyl alcohol	43	5.095	5.095	0.000	93	29354	50.0	44.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	40202	2.00	2.10	
59 n-Heptane	43	5.241	5.247	-0.006	96	55065	2.00	2.05	
60 Trichloroethene	95	5.672	5.672	0.000	95	23791	2.00	2.07	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	40418	2.00	2.13	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	90	28265	2.00	2.05	
64 Dibromomethane	93	6.044	6.050	-0.006	95	14397	2.00	2.03	
66 1,4-Dioxane	88	6.062	6.062	0.000	28	2696	40.0	33.6	a
67 Dichlorobromomethane	83	6.202	6.202	0.000	93	27639	2.00	2.02	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	92	16581	2.00	1.85	
71 cis-1,3-Dichloropropene	75	6.615	6.615	0.000	88	37771	2.00	2.07	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	99	61473	10.0	9.78	
73 Toluene	92	6.907	6.901	0.006	98	61000	2.00	2.20	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	92	31851	2.00	1.99	
77 Ethyl methacrylate	69	7.236	7.236	0.000	92	27545	2.00	2.00	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	94	16064	2.00	2.01	
79 Tetrachloroethene	166	7.431	7.431	0.000	95	25908	2.00	2.27	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	95	36002	2.00	2.12	
82 2-Hexanone	43	7.607	7.607	0.000	99	129299	10.0	10.4	
83 Chlorodibromomethane	129	7.771	7.771	0.000	86	20194	2.00	2.06	
84 Ethylene Dibromide	107	7.875	7.875	0.000	94	22489	2.00	2.15	
85 Chlorobenzene	112	8.349	8.349	0.000	93	66090	2.00	2.20	
88 Ethylbenzene	91	8.441	8.441	0.000	98	107461	2.00	2.10	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	92	21384	2.00	2.07	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	43456	2.00	2.21	
91 o-Xylene	106	8.988	8.988	0.000	95	41760	2.00	2.18	
92 Styrene	104	9.025	9.018	0.007	94	68467	2.00	2.06	
93 Bromoform	173	9.268	9.268	0.000	93	11788	2.00	1.86	
95 Isopropylbenzene	105	9.377	9.377	0.000	97	108271	2.00	2.11	
97 Bromobenzene	156	9.718	9.724	-0.006	95	26228	2.00	2.08	
98 1,1,2,2-Tetrachloroethane	83	9.779	9.785	-0.006	93	25761	2.00	1.98	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	123635	2.00	2.12	
99 1,2,3-Trichloropropane	110	9.809	9.815	-0.006	85	9622	2.00	2.25	
101 trans-1,4-Dichloro-2-butene	53	9.828	9.834	-0.006	79	13300	2.00	2.18	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	25189	2.00	2.16	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	96	86321	2.00	2.10	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	87063	2.00	2.32	
106 tert-Butylbenzene	134	10.308	10.308	0.000	93	19550	2.00	2.17	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	84874	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	111643	2.00	2.13	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	97	50601	2.00	2.16	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	90287	2.00	2.06	
113 1,4-Dichlorobenzene	146	10.740	10.740	0.000	94	51281	2.00	2.11	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	80297	2.00	2.09	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	46939	2.00	2.04	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.829	0.006	74	4769	2.00	2.08	
119 1,2,4-Trichlorobenzene	180	12.510	12.504	0.006	95	28989	2.00	1.96	
120 Hexachlorobutadiene	225	12.614	12.620	-0.006	95	14350	2.00	2.05	
121 Naphthalene	128	12.723	12.717	0.006	97	83768	2.00	1.96	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	26032	2.00	1.88	
S 126 Xylenes, Total	1				0			4.39	
S 123 1,3-Dichloropropene, Total	1				0			4.06	
S 124 1,2-Dichloroethene, Total	1				0			4.15	
S 125 Total BTEX	1				0			10.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00219	Amount Added:	2.00	Units: uL	
GAS CORP mix_00492	Amount Added:	2.00	Units: uL	
N_8260_Surr_00433	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:42 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1308.D

Injection Date: 03-Feb-2022 16:38:30 Instrument ID: HP5973N Operator ID: LH

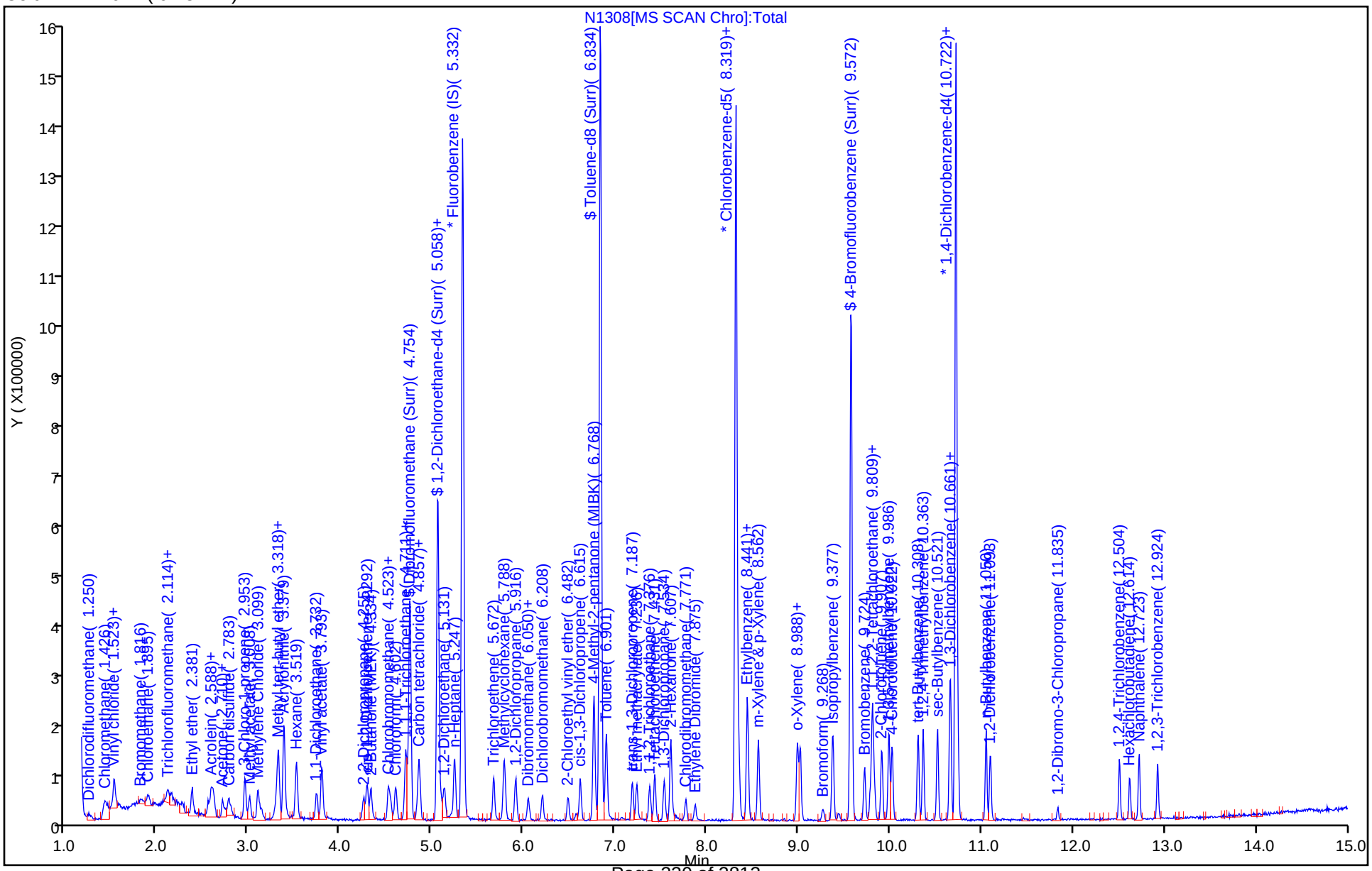
Lims ID: IC 2 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

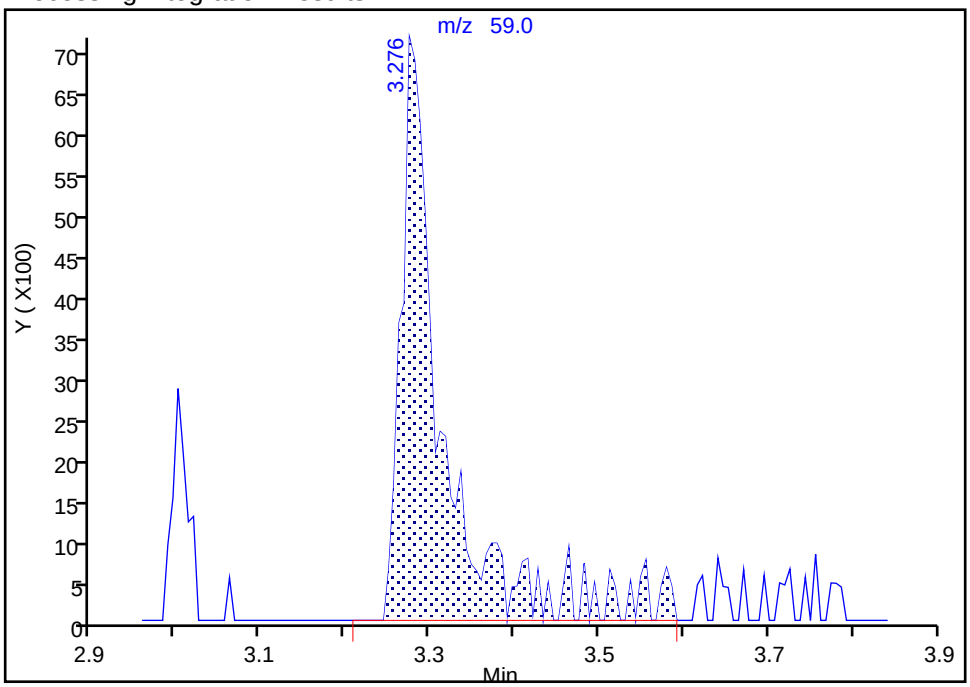
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1308.D				
Injection Date:	03-Feb-2022 16:38:30	Instrument ID:	HP5973N		
Lims ID:	IC 2				
Client ID:					
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

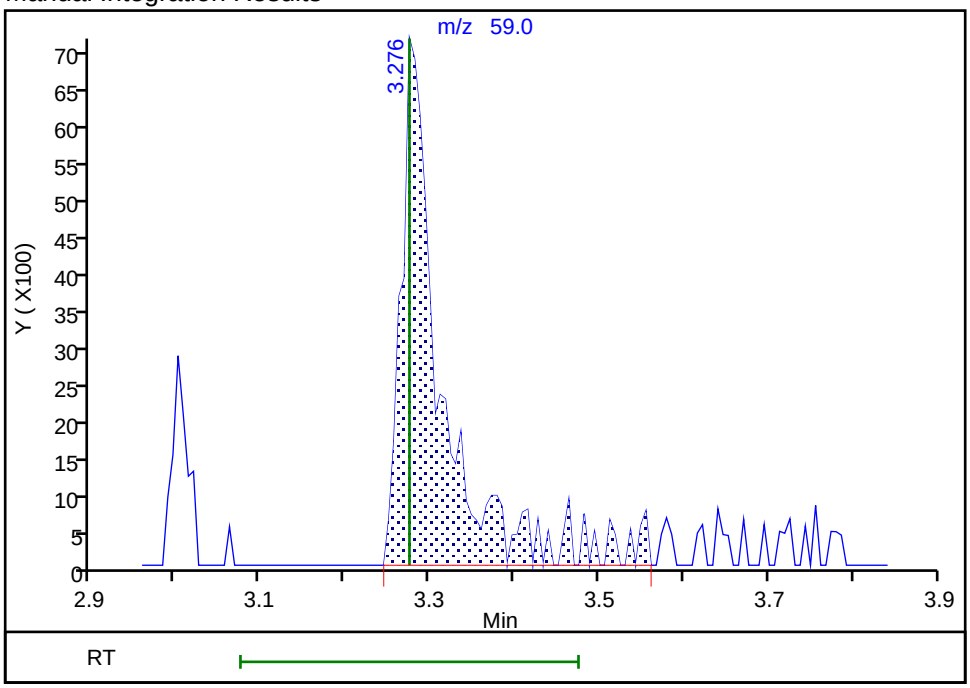
Processing Integration Results

RT: 3.28
Area: 24225
Amount: 18.887792
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 23681
Amount: 19.224902
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:29:01

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

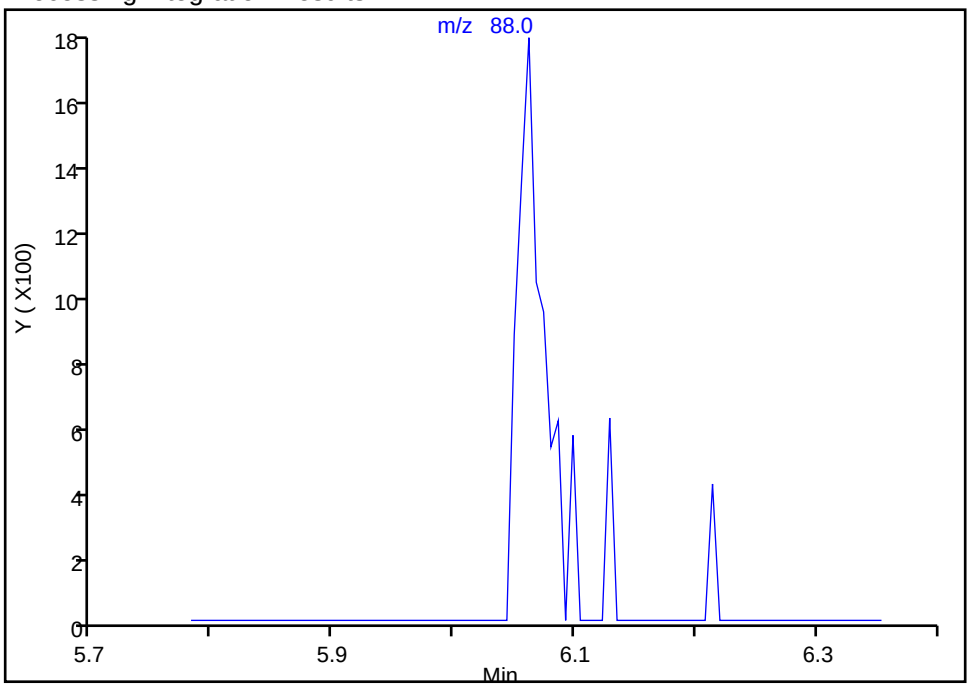
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1308.D				
Injection Date:	03-Feb-2022 16:38:30	Instrument ID:	HP5973N		
Lims ID:	IC 2				
Client ID:					
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

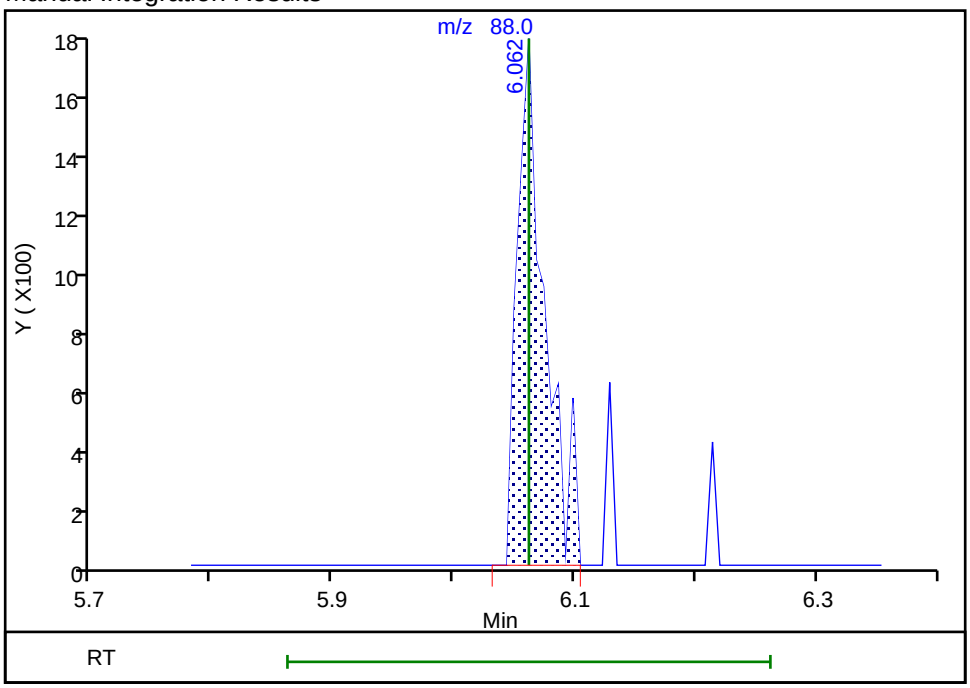
Not Detected
Expected RT: 6.06

Processing Integration Results



RT: 6.06
Area: 2696
Amount: 33.627857
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 04-Feb-2022 10:46:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1309.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Feb-2022 17:01:30 ALS Bottle#: 15 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0103740-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:43 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:47:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	192029	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	708664	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	345127	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	217203	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	94	288908	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	835834	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	91	254508	25.0	25.0	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	43320	5.00	5.19	
13 Chloromethane	50	1.426	1.426	0.000	99	87812	5.00	5.05	
14 Vinyl chloride	62	1.511	1.511	0.000	97	63222	5.00	5.29	
144 Butadiene	54	1.530	1.530	0.000	97	73968	5.00	5.32	
15 Bromomethane	94	1.834	1.834	0.000	92	35624	5.00	5.42	
16 Chloroethane	64	1.901	1.901	0.000	94	38816	5.00	5.03	
18 Trichlorofluoromethane	101	2.083	2.083	0.000	55	62944	5.00	5.35	M
17 Dichlorofluoromethane	67	2.114	2.114	0.000	97	85704	5.00	5.40	
19 Ethyl ether	59	2.381	2.381	0.000	94	62222	5.00	5.11	
20 Acrolein	56	2.558	2.558	0.000	93	41055	25.0	25.2	
22 1,1-Dichloroethene	96	2.588	2.588	0.000	92	46090	5.00	5.44	
21 112TCTFE	101	2.600	2.600	0.000	67	46788	5.00	5.29	
23 Acetone	43	2.710	2.710	0.000	97	94588	25.0	23.8	
24 Iodomethane	142	2.752	2.752	0.000	98	80215	5.00	5.31	
25 Carbon disulfide	76	2.783	2.783	0.000	99	140129	5.00	5.24	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	129206	5.00	4.90	
28 Methyl acetate	43	3.008	3.008	0.000	100	142773	10.0	10.1	
30 Methylene Chloride	84	3.105	3.105	0.000	91	53509	5.00	5.02	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	96	59554	50.0	52.8	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	95	157612	5.00	5.10	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	91	52279	5.00	5.01	
34 Acrylonitrile	53	3.379	3.379	0.000	98	331468	50.0	50.8	
35 Hexane	57	3.519	3.519	0.000	95	109432	5.00	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	120774	5.00	5.45	
39 Vinyl acetate	43	3.799	3.799	0.000	96	355172	10.0	9.76	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	86	55772	5.00	5.17	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	85	56309	5.00	5.07	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	199563	25.0	24.2	
47 Chlorobromomethane	128	4.529	4.529	0.000	89	31143	5.00	5.67	
49 Tetrahydrofuran	42	4.541	4.541	0.000	94	57477	10.0	9.66	
50 Chloroform	83	4.602	4.602	0.000	94	95563	5.00	5.23	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	94	81254	5.00	5.22	
52 Cyclohexane	56	4.717	4.717	0.000	94	132885	5.00	5.23	
53 Carbon tetrachloride	117	4.845	4.845	0.000	95	72112	5.00	5.38	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	87	75525	5.00	5.28	
55 Benzene	78	5.064	5.064	0.000	76	222136	5.00	5.24	
56 Isobutyl alcohol	43	5.101	5.101	0.000	93	65021	125.0	107.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	87980	5.00	5.01	
59 n-Heptane	43	5.247	5.247	0.000	96	127753	5.00	5.18	
60 Trichloroethene	95	5.673	5.673	0.000	94	56221	5.00	5.34	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	88838	5.00	5.12	
63 1,2-Dichloropropane	63	5.916	5.916	0.000	89	64879	5.00	5.14	
64 Dibromomethane	93	6.050	6.050	0.000	95	32175	5.00	4.95	
66 1,4-Dioxane	88	6.062	6.062	0.000	27	5866	100.0	77.4	M
67 Dichlorobromomethane	83	6.208	6.208	0.000	96	64739	5.00	5.16	
69 2-Chloroethyl vinyl ether	63	6.488	6.488	0.000	90	42356	5.00	5.15	
71 cis-1,3-Dichloropropene	75	6.615	6.615	0.000	87	83109	5.00	4.97	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	149426	25.0	25.1	
73 Toluene	92	6.901	6.901	0.000	95	134104	5.00	5.11	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	96	78860	5.00	5.22	
77 Ethyl methacrylate	69	7.236	7.236	0.000	91	63536	5.00	4.88	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	37754	5.00	5.00	
79 Tetrachloroethene	166	7.437	7.437	0.000	95	56206	5.00	5.22	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	91	81556	5.00	5.09	
82 2-Hexanone	43	7.607	7.607	0.000	99	298930	25.0	25.5	
83 Chlorodibromomethane	129	7.771	7.771	0.000	88	46766	5.00	5.06	
84 Ethylene Dibromide	107	7.875	7.875	0.000	97	48688	5.00	4.92	
85 Chlorobenzene	112	8.349	8.349	0.000	93	147027	5.00	5.19	
88 Ethylbenzene	91	8.441	8.441	0.000	99	251712	5.00	5.20	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	92	49983	5.00	5.12	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	94746	5.00	5.11	
91 o-Xylene	106	8.988	8.988	0.000	97	95622	5.00	5.28	
92 Styrene	104	9.019	9.019	0.000	94	159296	5.00	5.07	
93 Bromoform	173	9.268	9.268	0.000	95	27955	5.00	4.66	
95 Isopropylbenzene	105	9.377	9.377	0.000	97	251517	5.00	5.11	
97 Bromobenzene	156	9.724	9.724	0.000	93	62462	5.00	5.16	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	94	61686	5.00	4.95	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	289006	5.00	5.17	
99 1,2,3-Trichloropropane	110	9.815	9.815	0.000	90	19786	5.00	4.84	
101 trans-1,4-Dichloro-2-butene	53	9.828	9.828	0.000	83	29328	5.00	5.01	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	59701	5.00	5.34	
104 1,3,5-Trimethylbenzene	105	9.986	9.986	0.000	94	205096	5.00	5.21	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	175939	5.00	4.90	
106 tert-Butylbenzene	134	10.302	10.302	0.000	93	43868	5.00	5.09	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	204188	5.00	5.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	258260	5.00	5.14	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	94	116381	5.00	5.19	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	221754	5.00	5.28	
113 1,4-Dichlorobenzene	146	10.740	10.740	0.000	96	121749	5.00	5.23	
115 n-Butylbenzene	91	11.050	11.050	0.000	97	190731	5.00	5.18	
116 1,2-Dichlorobenzene	146	11.093	11.093	0.000	96	111069	5.00	5.04	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	74	11078	5.00	5.05	
119 1,2,4-Trichlorobenzene	180	12.504	12.504	0.000	95	73029	5.00	5.15	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	33395	5.00	4.99	
121 Naphthalene	128	12.723	12.723	0.000	97	204076	5.00	5.00	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	67062	5.00	5.05	
S 126 Xylenes, Total	1				0			10.4	
S 123 1,3-Dichloropropene, Total	1				0			10.2	
S 124 1,2-Dichloroethene, Total	1				0			10.1	
S 125 Total BTEX	1				0			25.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00219	Amount Added:	5.00	Units: uL	
GAS CORP mix_00492	Amount Added:	5.00	Units: uL	
N_8260_Surr_00433	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:45 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1309.D

Injection Date: 03-Feb-2022 17:01:30 Instrument ID: HP5973N Operator ID: LH

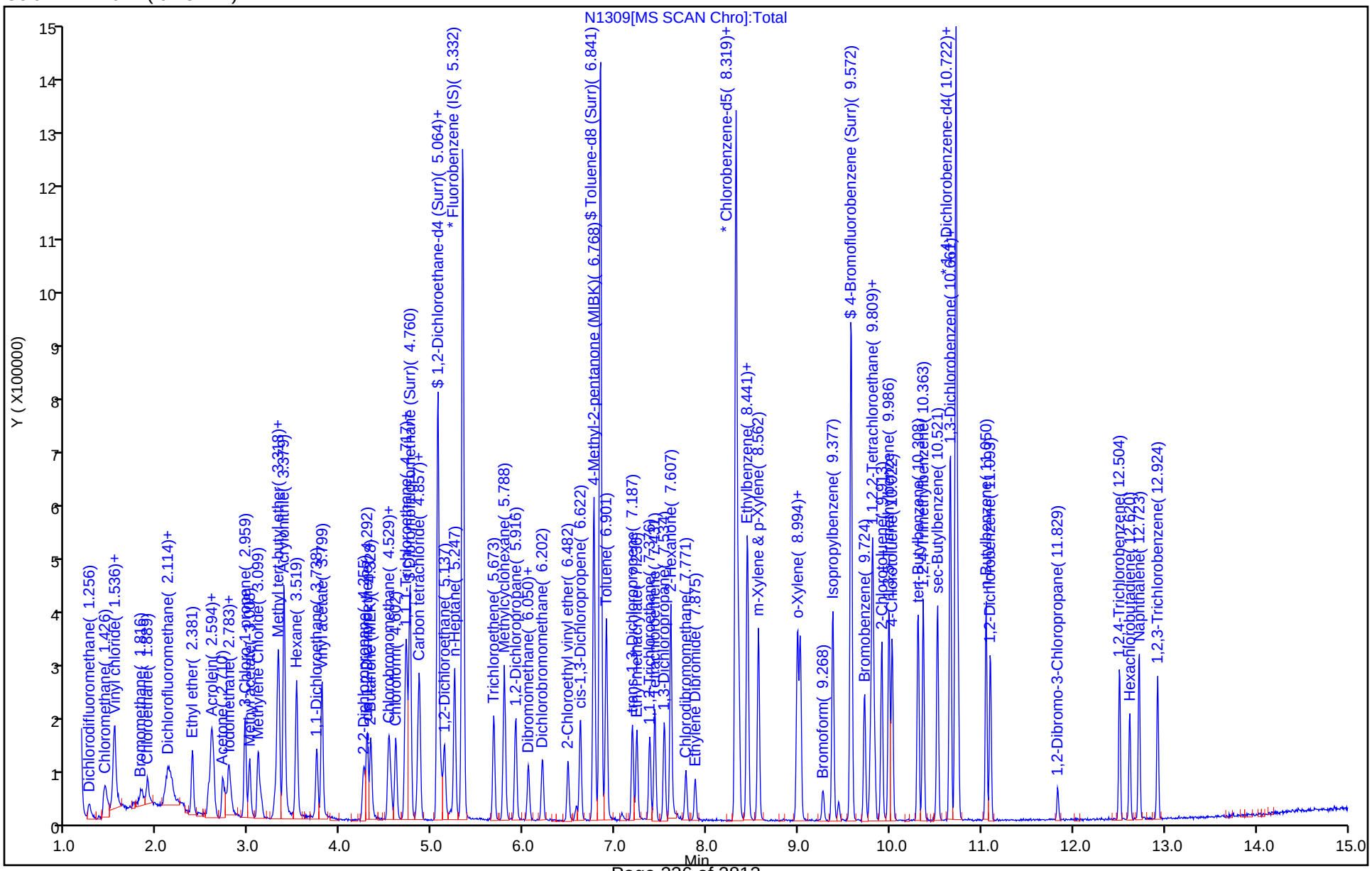
Lims ID: IC 3 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

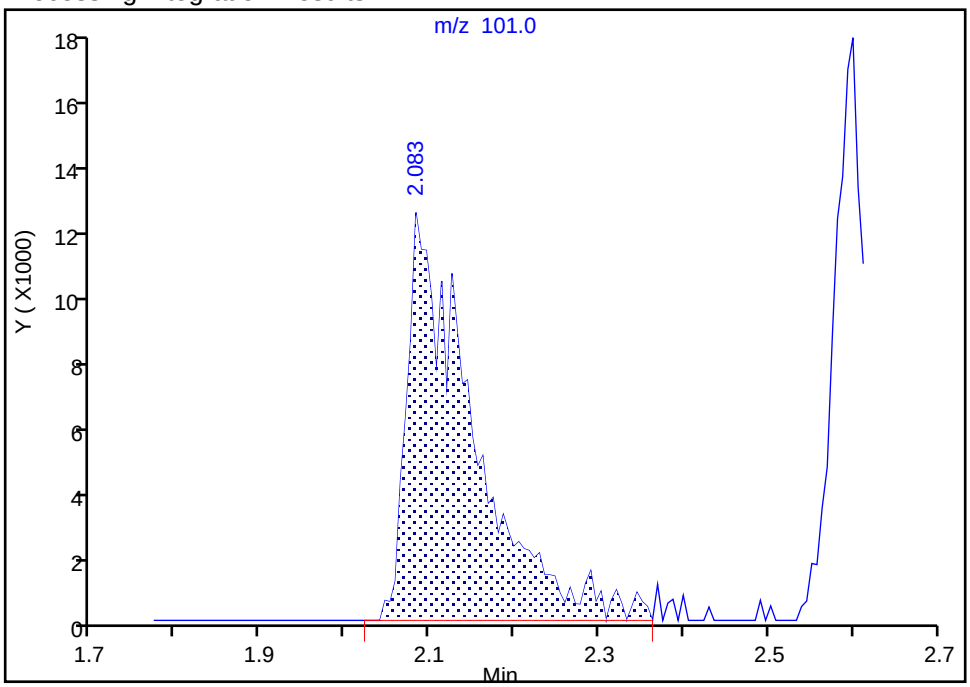
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1309.D				
Injection Date:	03-Feb-2022 17:01:30	Instrument ID:	HP5973N		
Lims ID:	IC 3				
Client ID:					
Operator ID:	LH	ALS Bottle#:	15	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

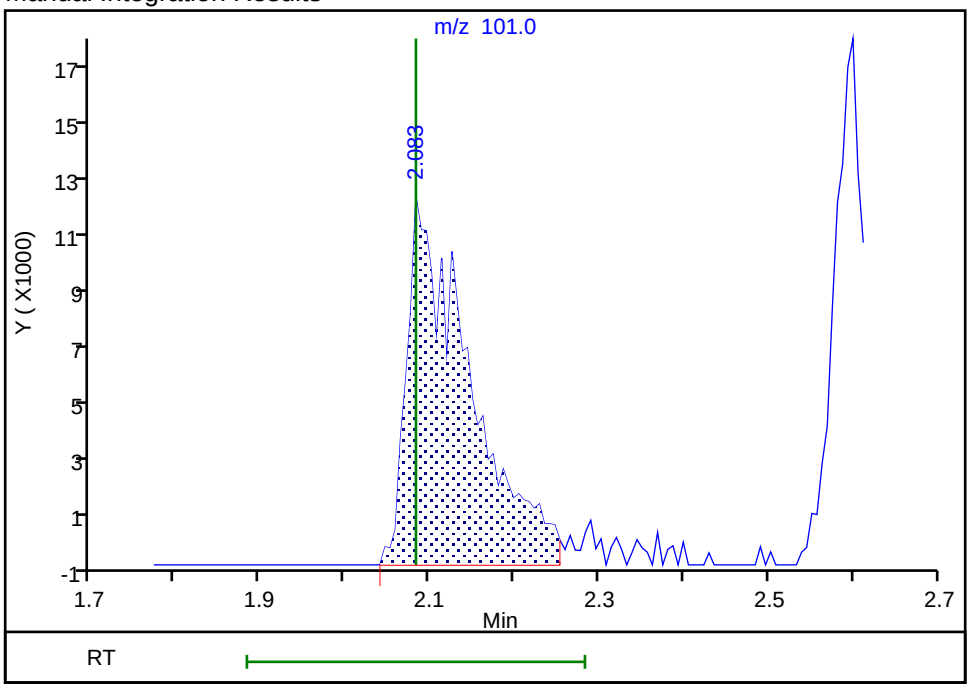
Processing Integration Results

RT: 2.08
Area: 66687
Amount: 5.780885
Amount Units: ug/L



Manual Integration Results

RT: 2.08
Area: 62944
Amount: 5.354726
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:20:04

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

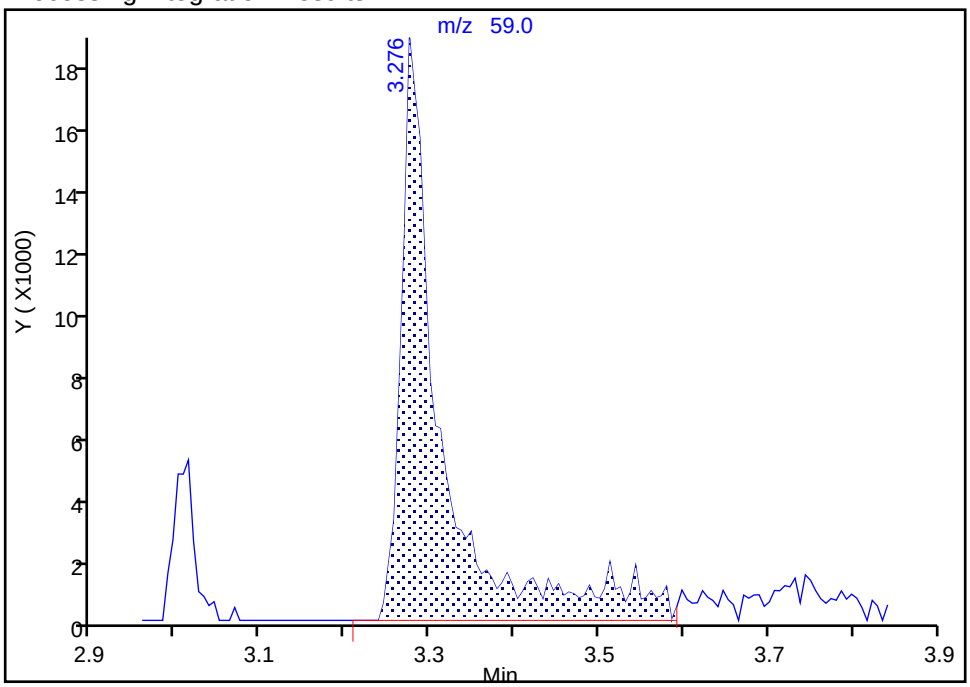
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1309.D				
Injection Date:	03-Feb-2022 17:01:30	Instrument ID:	HP5973N		
Lims ID:	IC 3				
Client ID:					
Operator ID:	LH	ALS Bottle#:	15	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

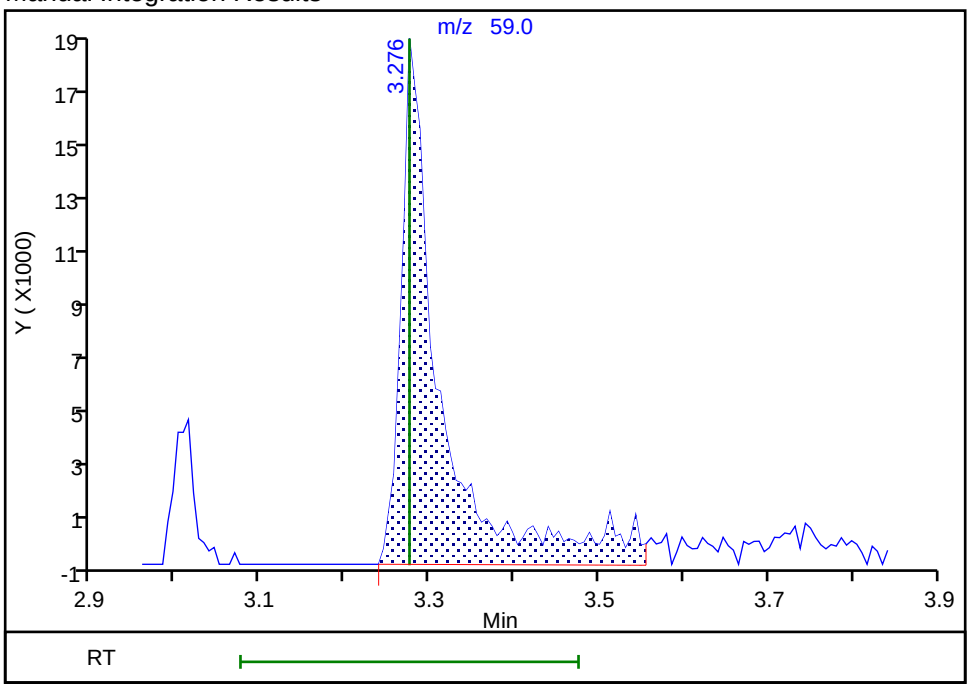
Processing Integration Results

RT: 3.28
Area: 60684
Amount: 52.265967
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 59554
Amount: 52.773017
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:29:25

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

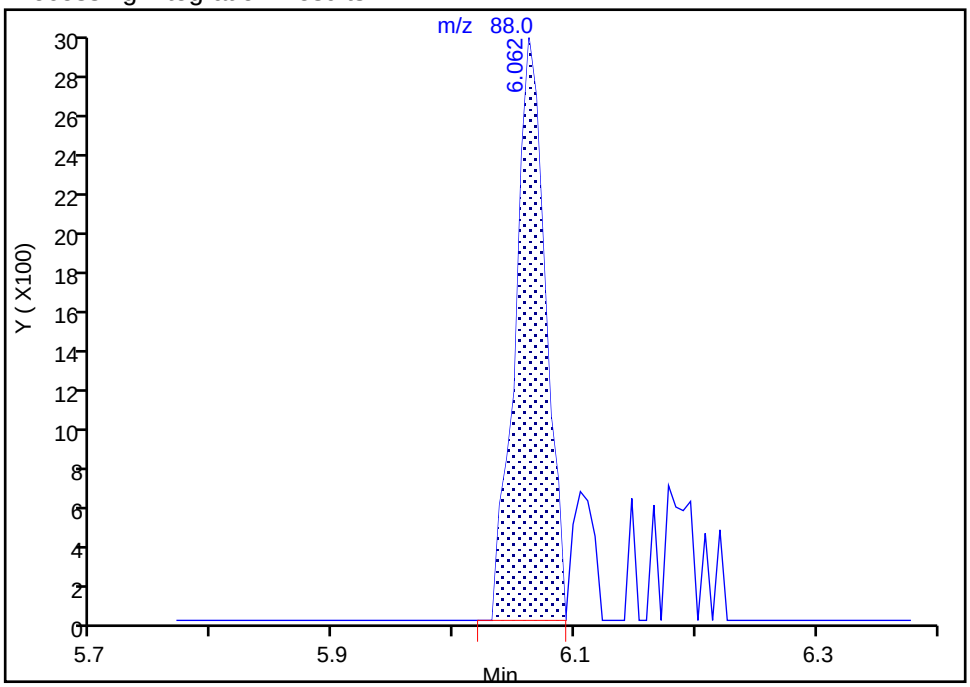
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1309.D				
Injection Date:	03-Feb-2022 17:01:30	Instrument ID:	HP5973N		
Lims ID:	IC 3				
Client ID:					
Operator ID:	LH	ALS Bottle#:	15	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

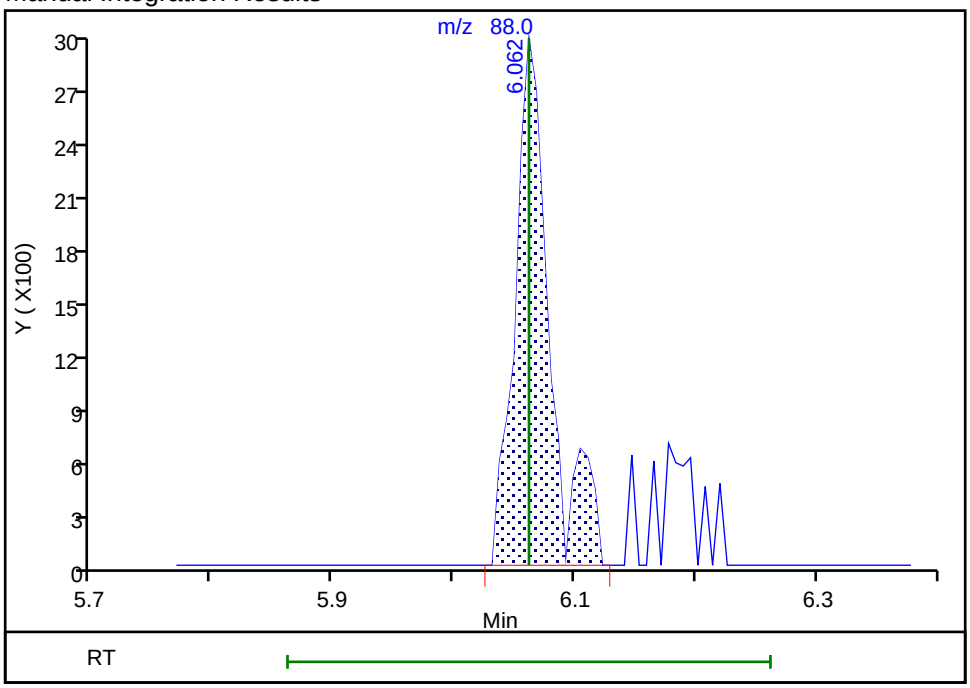
Processing Integration Results

RT: 6.06
Area: 5085
Amount: 88.784054
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 5866
Amount: 77.432890
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:46:57

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1310.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Feb-2022 17:24:30 ALS Bottle#: 16 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0103740-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:46 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:47:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	191978	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	730708	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	347979	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	208947	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	96	289506	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	845422	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	91	257177	25.0	24.5	
11 Dichlorodifluoromethane	85	1.256	1.250	0.006	98	87505	10.0	10.5	
13 Chloromethane	50	1.420	1.426	-0.006	99	170490	10.0	9.80	
14 Vinyl chloride	62	1.511	1.511	0.000	97	120185	10.0	10.1	
144 Butadiene	54	1.530	1.530	0.000	95	141354	10.0	10.2	
15 Bromomethane	94	1.822	1.834	-0.012	89	59336	10.0	9.03	
16 Chloroethane	64	1.895	1.901	-0.006	97	69985	10.0	9.08	
18 Trichlorofluoromethane	101	2.095	2.083	0.012	97	122264	10.0	10.4	M
17 Dichlorofluoromethane	67	2.114	2.114	0.000	98	139391	10.0	8.78	
19 Ethyl ether	59	2.381	2.381	0.000	95	112996	10.0	9.29	
20 Acrolein	56	2.552	2.558	-0.006	100	76567	50.0	49.2	
22 1,1-Dichloroethene	96	2.600	2.588	0.012	92	82943	10.0	9.79	
21 112TCTFE	101	2.594	2.600	-0.006	84	85330	10.0	9.66	
23 Acetone	43	2.716	2.710	0.006	98	187042	50.0	48.4	
24 Iodomethane	142	2.746	2.752	-0.006	97	148092	10.0	9.81	
25 Carbon disulfide	76	2.783	2.783	0.000	99	270816	10.0	10.1	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	240355	10.0	9.11	
28 Methyl acetate	43	3.008	3.008	0.000	100	250897	20.0	17.7	
30 Methylene Chloride	84	3.099	3.105	-0.006	91	96640	10.0	9.42	
31 2-Methyl-2-propanol	59	3.282	3.276	0.006	98	105650	100.0	93.6	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	96	285704	10.0	9.24	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	92	98338	10.0	9.42	
34 Acrylonitrile	53	3.379	3.379	0.000	98	603178	100.0	92.4	
35 Hexane	57	3.519	3.519	0.000	95	207454	10.0	9.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	212436	10.0	9.59	
39 Vinyl acetate	43	3.799	3.799	0.000	97	687218	20.0	18.9	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	88	108536	10.0	10.1	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	85	106625	10.0	9.60	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	383984	50.0	46.5	
47 Chlorobromomethane	128	4.523	4.529	-0.006	88	53009	10.0	9.65	
49 Tetrahydrofuran	42	4.547	4.541	0.006	95	116772	20.0	19.6	
50 Chloroform	83	4.602	4.602	0.000	97	171380	10.0	9.38	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	96	145205	10.0	9.33	
52 Cyclohexane	56	4.717	4.717	0.000	94	242980	10.0	9.56	
53 Carbon tetrachloride	117	4.851	4.845	0.006	95	131472	10.0	9.81	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	88	139715	10.0	9.76	
55 Benzene	78	5.064	5.064	0.000	95	400219	10.0	9.44	
56 Isobutyl alcohol	43	5.095	5.101	-0.006	91	135372	250.0	223.8	
57 1,2-Dichloroethane	62	5.137	5.131	0.006	94	165659	10.0	9.43	
59 n-Heptane	43	5.247	5.247	0.000	96	244927	10.0	9.94	
60 Trichloroethene	95	5.673	5.673	0.000	94	103000	10.0	9.79	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	169890	10.0	9.79	
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	89	120019	10.0	9.50	
64 Dibromomethane	93	6.050	6.050	0.000	93	64441	10.0	9.91	
66 1,4-Dioxane	88	6.056	6.062	-0.006	32	13103	200.0	167.7	M
67 Dichlorobromomethane	83	6.208	6.208	0.000	94	118094	10.0	9.42	
69 2-Chloroethyl vinyl ether	63	6.482	6.488	-0.006	89	81206	10.0	9.88	
71 cis-1,3-Dichloropropene	75	6.616	6.615	0.001	87	160900	10.0	9.63	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	99	285370	50.0	46.6	
73 Toluene	92	6.901	6.901	0.000	97	252323	10.0	9.32	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	95	147051	10.0	9.44	
77 Ethyl methacrylate	69	7.236	7.236	0.000	92	129418	10.0	9.64	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	73003	10.0	9.37	
79 Tetrachloroethene	166	7.431	7.437	-0.006	94	105194	10.0	9.47	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	92	149249	10.0	9.03	
82 2-Hexanone	43	7.607	7.607	0.000	99	566815	50.0	46.8	
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	87238	10.0	9.15	
84 Ethylene Dibromide	107	7.869	7.875	-0.006	98	92455	10.0	9.07	
85 Chlorobenzene	112	8.349	8.349	0.000	93	273199	10.0	9.35	
88 Ethylbenzene	91	8.441	8.441	0.000	99	466635	10.0	9.35	
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	94	96209	10.0	9.56	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	180006	10.0	9.41	
91 o-Xylene	106	8.988	8.988	0.000	97	175419	10.0	9.39	
92 Styrene	104	9.019	9.019	0.001	94	305685	10.0	9.43	
93 Bromoform	173	9.268	9.268	0.000	95	56521	10.0	9.14	
95 Isopropylbenzene	105	9.378	9.377	0.001	97	476616	10.0	9.60	
97 Bromobenzene	156	9.724	9.724	0.000	94	115815	10.0	9.49	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	96	119498	10.0	9.51	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	548457	10.0	9.74	
99 1,2,3-Trichloropropane	110	9.816	9.815	0.001	95	40061	10.0	9.71	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.828	0.006	83	57956	10.0	9.82	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	109425	10.0	9.70	
104 1,3,5-Trimethylbenzene	105	9.992	9.986	0.006	94	388796	10.0	9.79	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	346543	10.0	9.57	
106 tert-Butylbenzene	134	10.308	10.302	0.006	95	86877	10.0	10.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	385480	10.0	9.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	489479	10.0	9.65	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	97	217294	10.0	9.61	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	406552	10.0	9.60	
113 1,4-Dichlorobenzene	146	10.746	10.740	0.006	94	219755	10.0	9.35	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	359544	10.0	9.69	
116 1,2-Dichlorobenzene	146	11.099	11.093	0.006	98	214899	10.0	9.68	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	79	20861	10.0	9.43	
119 1,2,4-Trichlorobenzene	180	12.504	12.504	0.000	95	130990	10.0	9.16	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	61421	10.0	9.10	
121 Naphthalene	128	12.723	12.723	0.000	97	377620	10.0	9.17	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	96	125238	10.0	9.36	
S 126 Xylenes, Total	1				0			18.8	
S 123 1,3-Dichloropropene, Total	1				0			19.1	
S 124 1,2-Dichloroethene, Total	1				0			19.0	
S 125 Total BTEX	1				0			46.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00219	Amount Added:	5.00	Units: uL	
GAS CORP mix_00492	Amount Added:	5.00	Units: uL	
N_8260_Surr_00433	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:47 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1310.D

Injection Date: 03-Feb-2022 17:24:30 Instrument ID: HP5973N Operator ID: LH

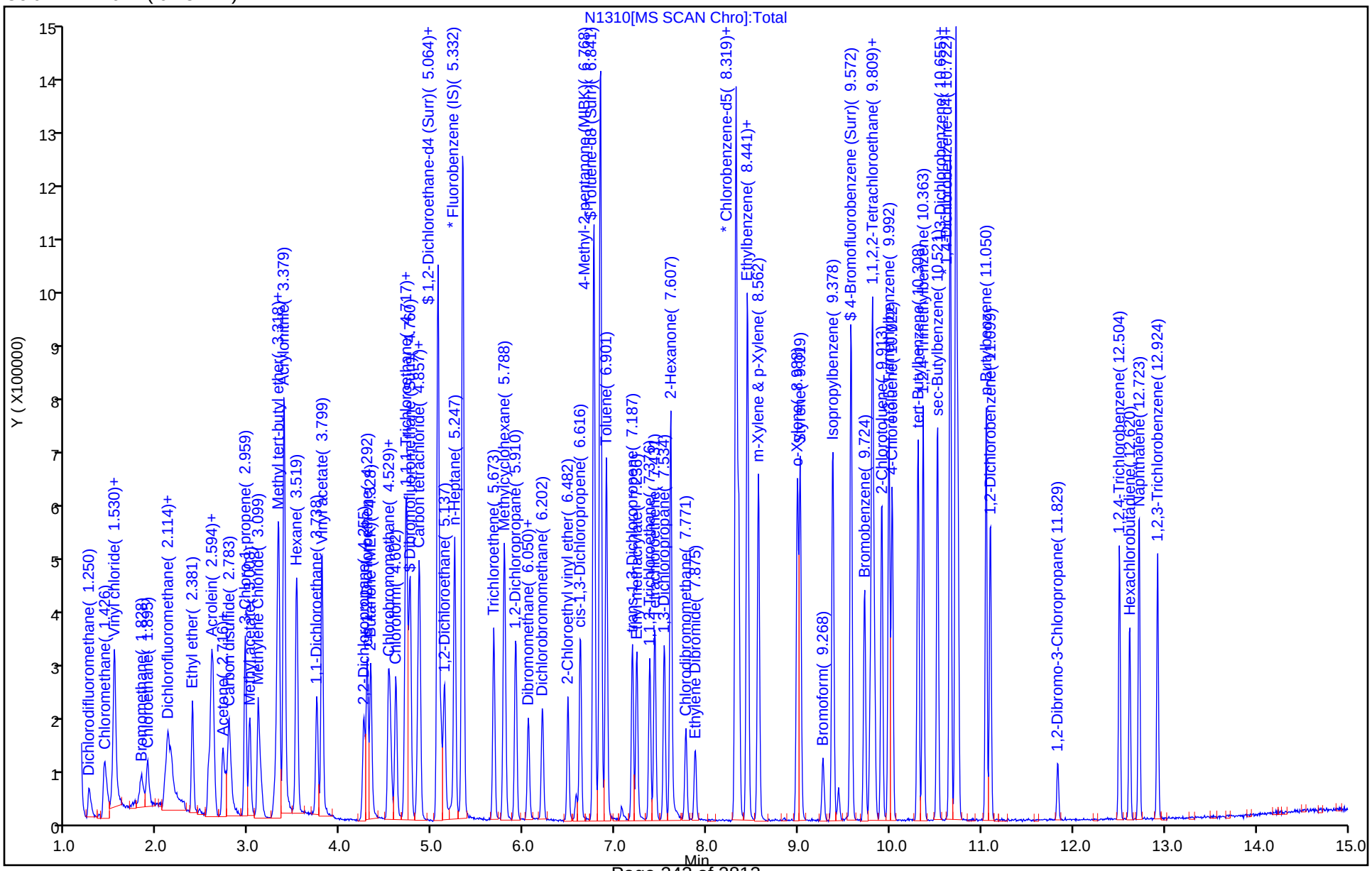
Lims ID: IC 4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

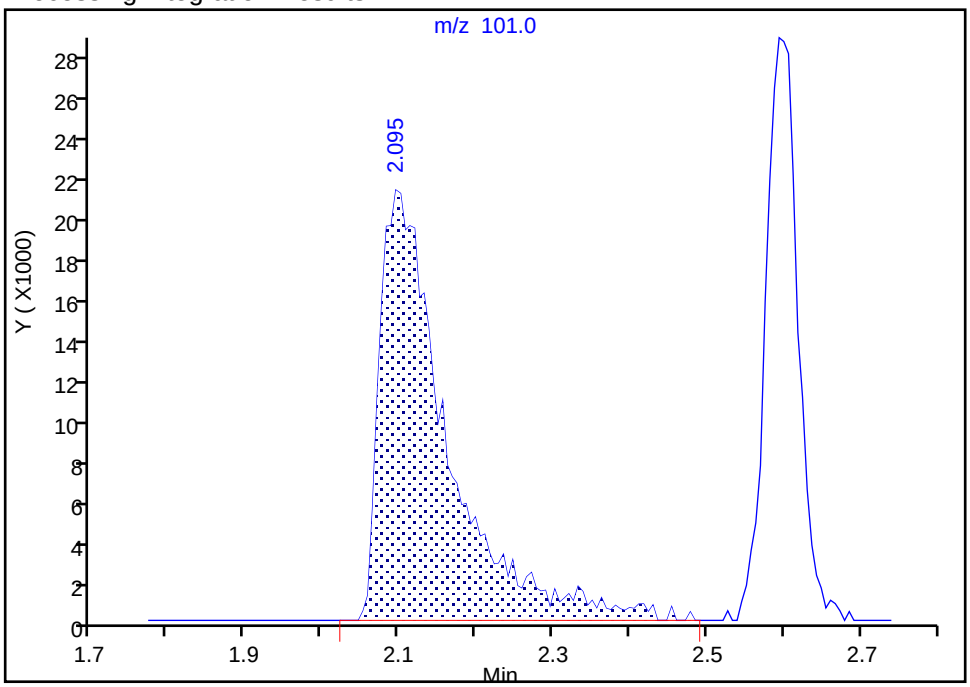
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1310.D				
Injection Date:	03-Feb-2022 17:24:30	Instrument ID:	HP5973N		
Lims ID:	IC 4				
Client ID:					
Operator ID:	LH	ALS Bottle#:	16	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

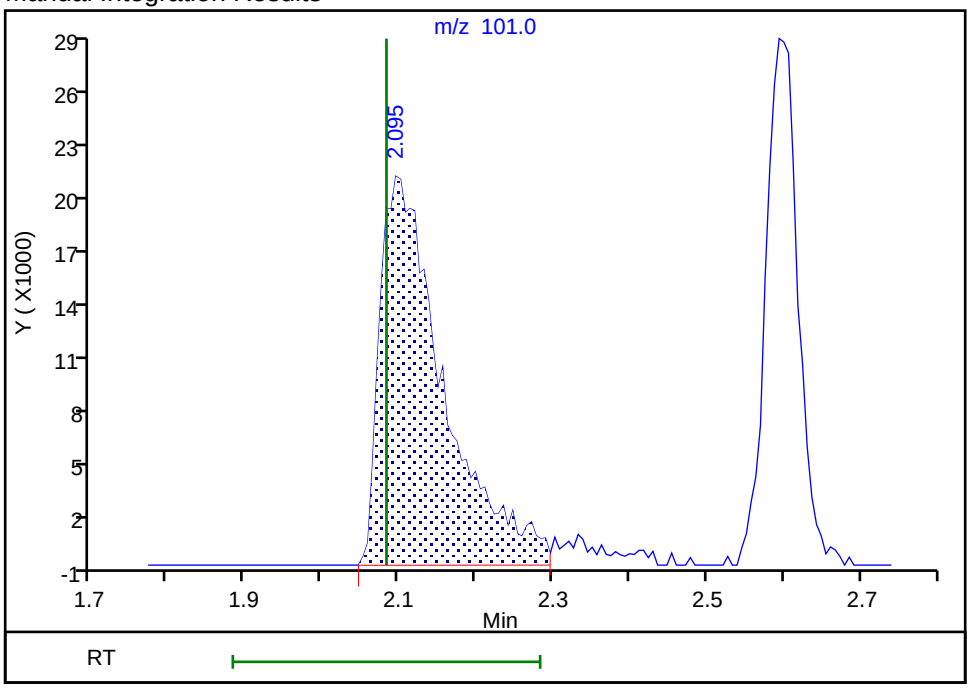
Processing Integration Results

RT: 2.10
Area: 129602
Amount: 11.149099
Amount Units: ug/L



Manual Integration Results

RT: 2.10
Area: 122264
Amount: 10.403916
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:19:43

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

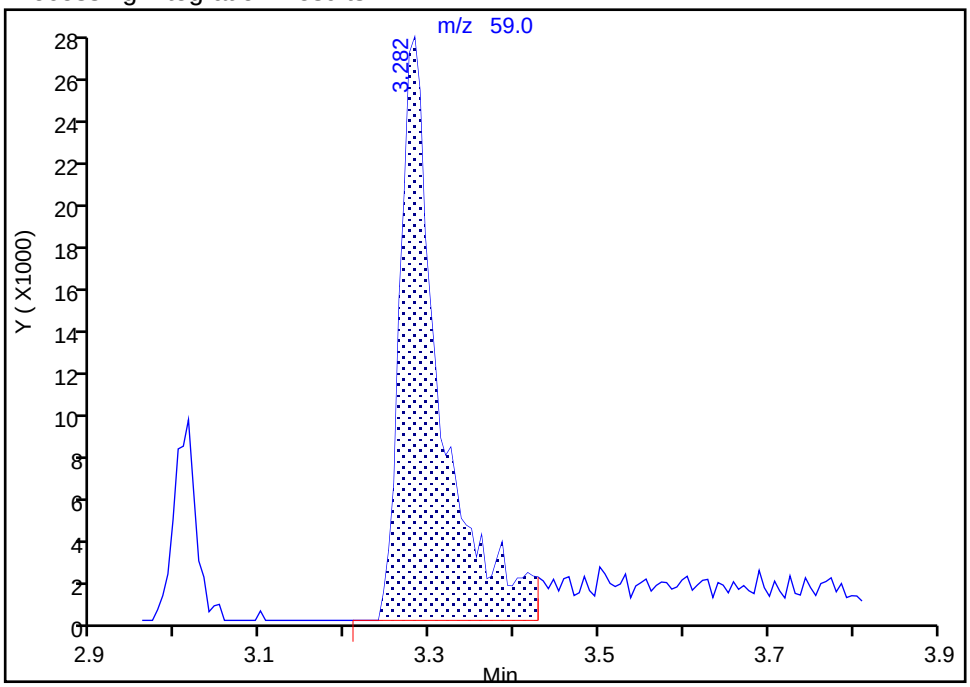
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1310.D				
Injection Date:	03-Feb-2022 17:24:30	Instrument ID:	HP5973N		
Lims ID:	IC 4				
Client ID:					
Operator ID:	LH	ALS Bottle#:	16	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

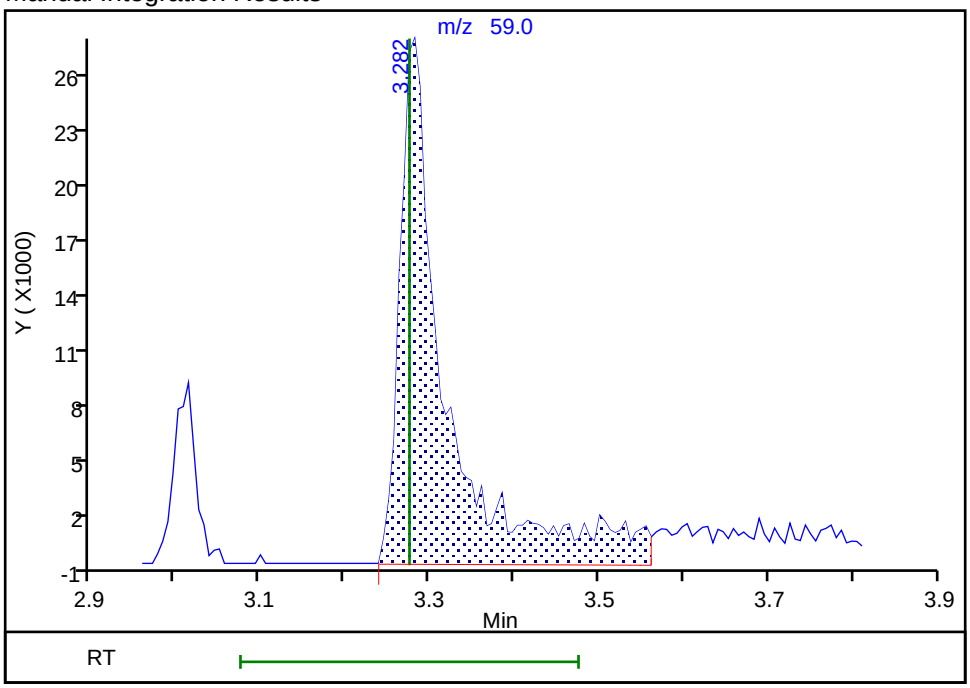
Processing Integration Results

RT: 3.28
Area: 90492
Amount: 83.061195
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 105650
Amount: 93.645270
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:29:47

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

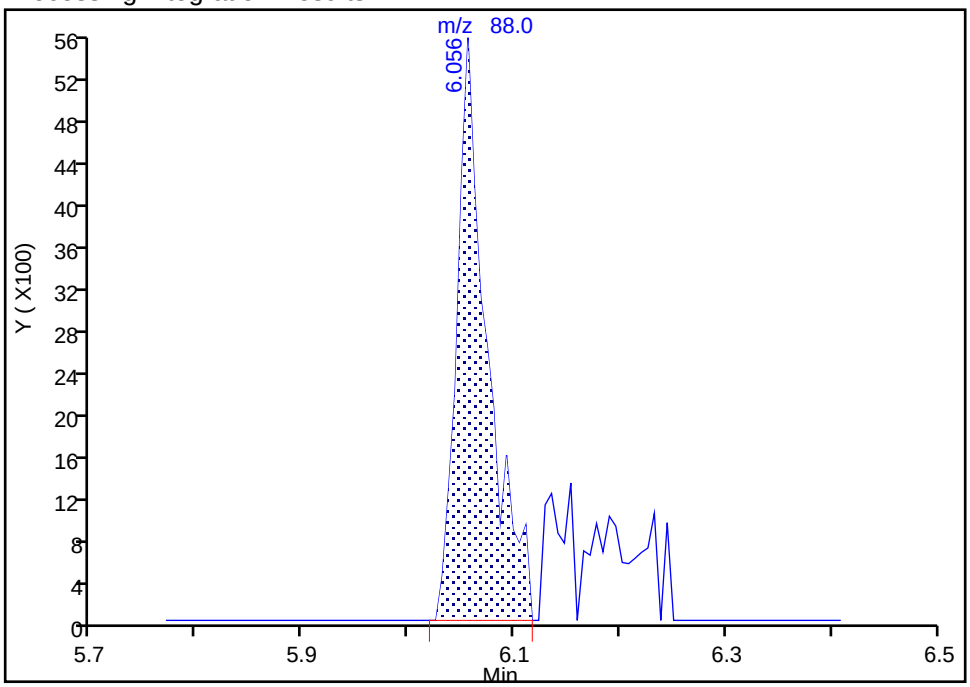
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1310.D				
Injection Date:	03-Feb-2022 17:24:30	Instrument ID:	HP5973N		
Lims ID:	IC 4				
Client ID:					
Operator ID:	LH	ALS Bottle#:	16	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

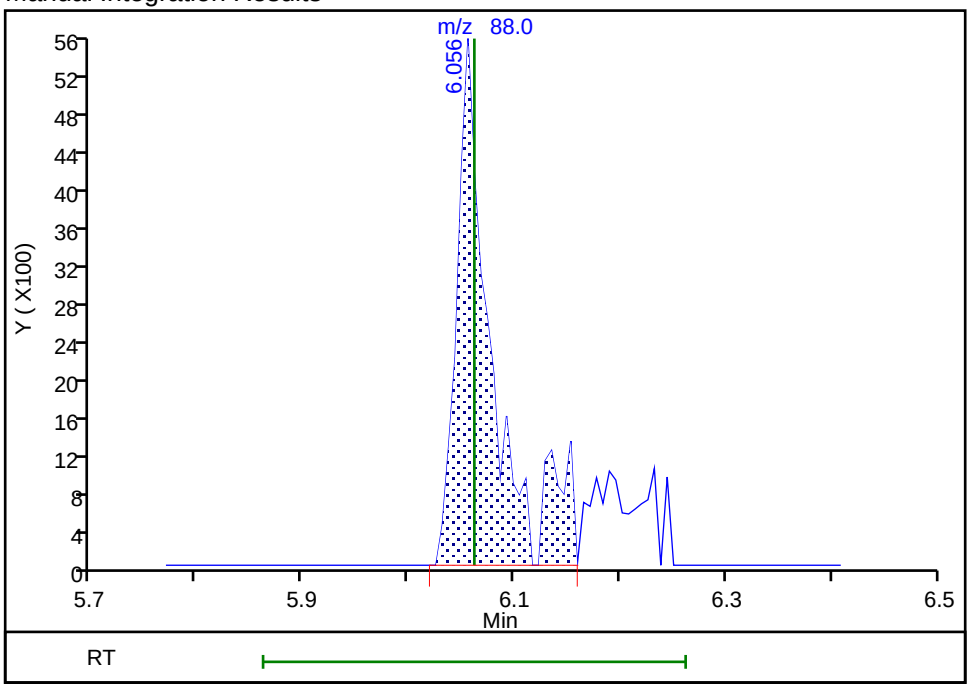
Processing Integration Results

RT: 6.06
Area: 11195
Amount: 186.3907
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 13103
Amount: 167.7454
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:47:36

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1311.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 03-Feb-2022 17:47:30 ALS Bottle#: 17 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0103740-014
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:50 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 09:12:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.338	0.000	98	196931	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	726327	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	350685	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	94	219124	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	59	287127	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	841085	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	258767	25.0	24.8	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	237643	25.0	27.8	
13 Chloromethane	50	1.420	1.420	0.000	100	441898	25.0	24.8	
14 Vinyl chloride	62	1.511	1.511	0.000	97	328827	25.0	26.8	
144 Butadiene	54	1.530	1.530	0.000	95	372262	25.0	26.1	
15 Bromomethane	94	1.822	1.822	0.000	93	162325	25.0	24.1	
16 Chloroethane	64	1.895	1.895	0.000	96	197227	25.0	24.9	
18 Trichlorofluoromethane	101	2.089	2.089	0.000	98	343976	25.0	28.5	M
17 Dichlorofluoromethane	67	2.114	2.114	0.000	98	410115	25.0	25.2	
19 Ethyl ether	59	2.381	2.381	0.000	97	308670	25.0	24.7	
20 Acrolein	56	2.558	2.558	0.000	99	187653	125.0	121.1	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	229911	25.0	26.4	
21 112TCTFE	101	2.600	2.600	0.000	88	235049	25.0	25.9	
23 Acetone	43	2.710	2.710	0.000	98	448481	125.0	115.1	
24 Iodomethane	142	2.752	2.752	0.000	99	399533	25.0	25.8	
25 Carbon disulfide	76	2.783	2.783	0.000	99	742829	25.0	27.1	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	681620	25.0	25.2	
28 Methyl acetate	43	3.008	3.008	0.000	100	702115	50.0	48.4	
30 Methylene Chloride	84	3.099	3.099	0.000	91	253365	25.0	24.8	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	98	274020	250.0	236.8	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	97	793865	25.0	25.0	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	92	267216	25.0	24.9	
34 Acrylonitrile	53	3.379	3.379	0.000	98	1583589	250.0	236.6	
35 Hexane	57	3.519	3.519	0.000	96	555556	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	575640	25.0	25.3	
39 Vinyl acetate	43	3.799	3.799	0.000	97	1890377	50.0	50.7	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	90	281238	25.0	25.4	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	85	277109	25.0	24.3	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	979937	125.0	115.8	
47 Chlorobromomethane	128	4.523	4.523	0.000	88	144244	25.0	25.6	
49 Tetrahydrofuran	42	4.547	4.547	0.000	95	287258	50.0	47.1	
50 Chloroform	83	4.602	4.602	0.000	96	456176	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	97	402961	25.0	25.2	
52 Cyclohexane	56	4.717	4.717	0.000	95	660654	25.0	25.3	
53 Carbon tetrachloride	117	4.851	4.851	0.000	96	362502	25.0	26.4	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	89	382157	25.0	26.0	
55 Benzene	78	5.064	5.064	0.000	94	1096869	25.0	25.2	
56 Isobutyl alcohol	43	5.095	5.095	0.000	94	342098	625.0	551.2	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	453774	25.0	25.2	
59 n-Heptane	43	5.247	5.247	0.000	97	639633	25.0	25.3	
60 Trichloroethene	95	5.672	5.672	0.000	94	272669	25.0	25.3	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	456942	25.0	25.7	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	91	325208	25.0	25.1	
64 Dibromomethane	93	6.050	6.050	0.000	96	171578	25.0	25.7	
66 1,4-Dioxane	88	6.062	6.062	0.000	32	43419	500.0	559.2	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	327757	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	89	218175	25.0	25.9	
71 cis-1,3-Dichloropropene	75	6.615	6.615	0.000	87	445997	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	757095	125.0	124.3	
73 Toluene	92	6.901	6.901	0.000	97	688997	25.0	25.6	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	96	407708	25.0	26.3	
77 Ethyl methacrylate	69	7.236	7.236	0.000	92	344279	25.0	25.8	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	94	190827	25.0	24.6	
79 Tetrachloroethene	166	7.431	7.431	0.000	95	285089	25.0	25.8	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	95	412925	25.0	25.1	
82 2-Hexanone	43	7.607	7.607	0.000	99	1485685	125.0	123.5	
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	239664	25.0	25.3	
84 Ethylene Dibromide	107	7.875	7.875	0.000	98	254536	25.0	25.1	
85 Chlorobenzene	112	8.349	8.349	0.000	92	728942	25.0	25.1	
88 Ethylbenzene	91	8.441	8.441	0.000	99	1270811	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	94	264007	25.0	26.4	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	486051	25.0	25.6	
91 o-Xylene	106	8.988	8.988	0.000	98	479429	25.0	25.8	
92 Styrene	104	9.018	9.018	0.000	95	832714	25.0	25.9	
93 Bromoform	173	9.268	9.268	0.000	95	153744	25.0	25.0	
95 Isopropylbenzene	105	9.377	9.377	0.000	96	1275045	25.0	25.5	
97 Bromobenzene	156	9.724	9.724	0.000	92	319174	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	94	307163	25.0	24.3	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1476216	25.0	26.0	
99 1,2,3-Trichloropropane	110	9.815	9.815	0.000	91	100161	25.0	24.1	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	147925	25.0	24.9	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	299989	25.0	26.4	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	1037148	25.0	25.9	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	949453	25.0	26.0	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	226095	25.0	25.8	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1038698	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1302653	25.0	25.5	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	578986	25.0	25.4	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	1127939	25.0	26.4	
113 1,4-Dichlorobenzene	146	10.740	10.740	0.000	94	590754	25.0	25.0	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	967912	25.0	25.9	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	97	571350	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	80	52306	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	12.504	12.504	0.000	95	348025	25.0	24.1	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	97	162322	25.0	23.9	
121 Naphthalene	128	12.717	12.717	0.000	97	983900	25.0	23.7	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	316916	25.0	23.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00219	Amount Added: 12.50	Units: uL	
GAS CORP mix_00492	Amount Added: 12.50	Units: uL	
N_8260_Surr_00433	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:51 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1311.D

Injection Date: 03-Feb-2022 17:47:30 Instrument ID: HP5973N Operator ID: LH

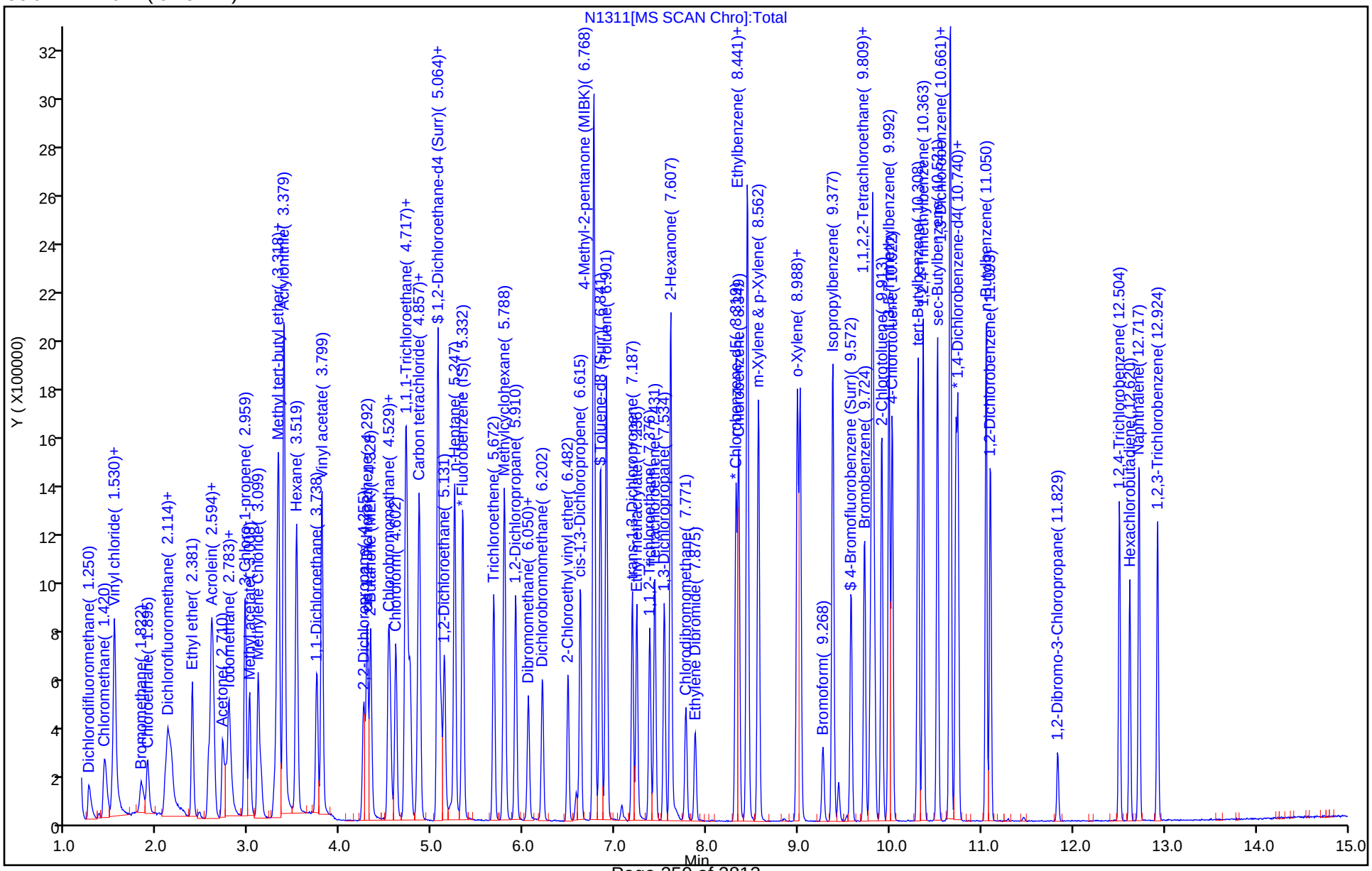
Lims ID: ICIS 5 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

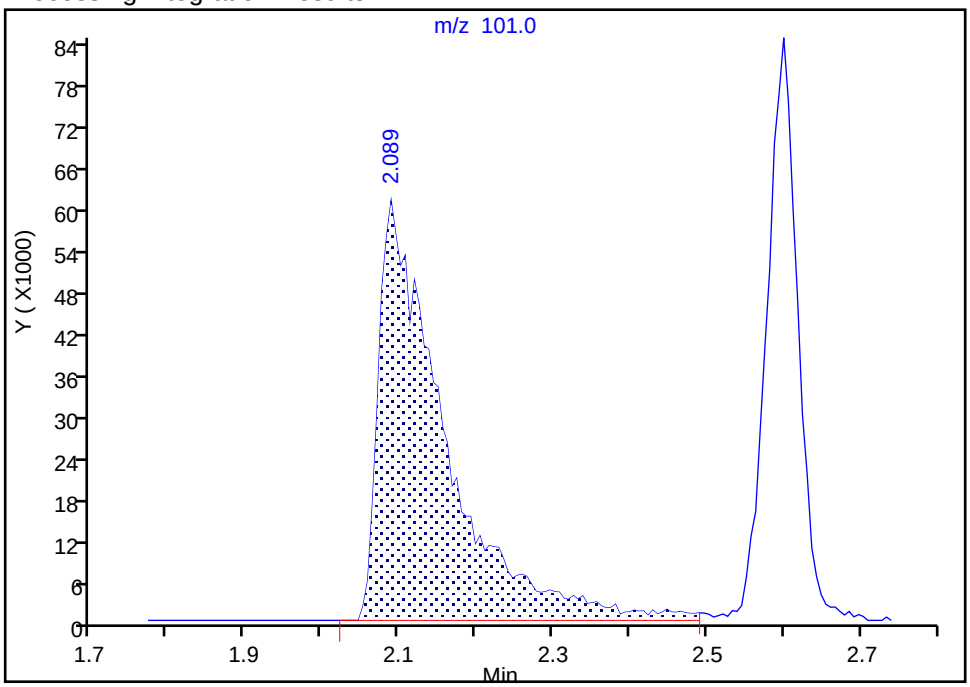
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1311.D				
Injection Date:	03-Feb-2022 17:47:30	Instrument ID:	HP5973N		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	17	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

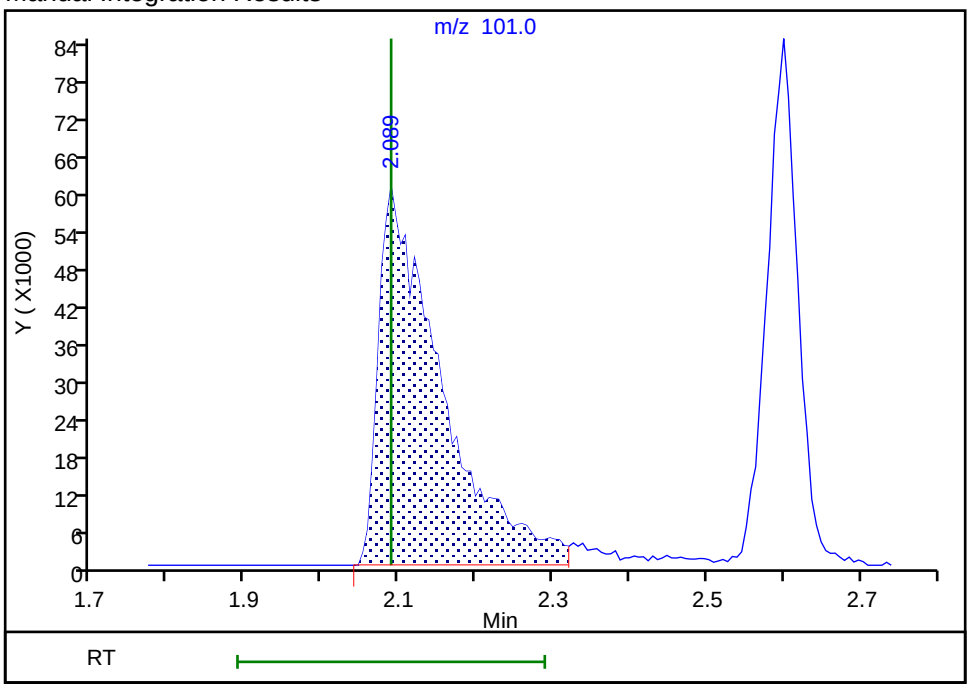
Processing Integration Results

RT: 2.09
Area: 362005
Amount: 30.850181
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 343976
Amount: 28.534072
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:20:37

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

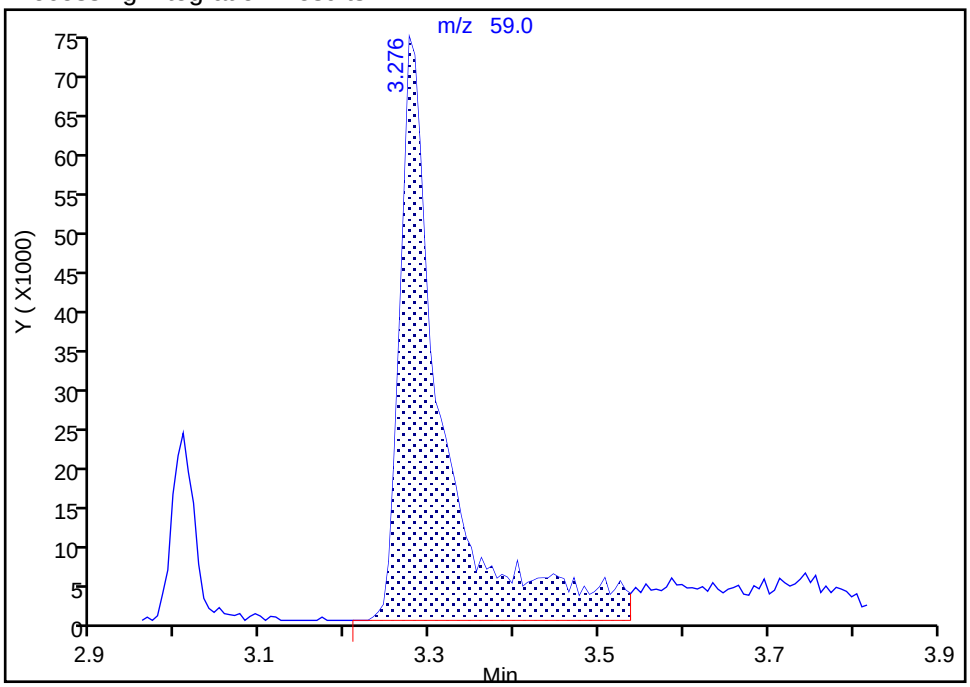
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1311.D				
Injection Date:	03-Feb-2022 17:47:30	Instrument ID:	HP5973N		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	17	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

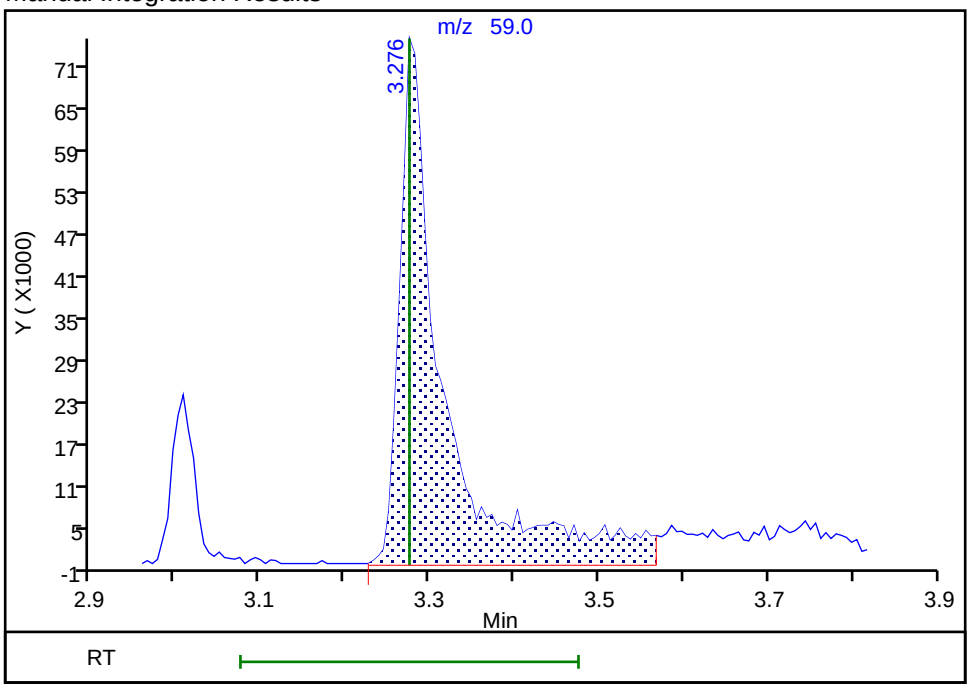
Processing Integration Results

RT: 3.28
Area: 261650
Amount: 223.2143
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 274020
Amount: 236.7751
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:26:07

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

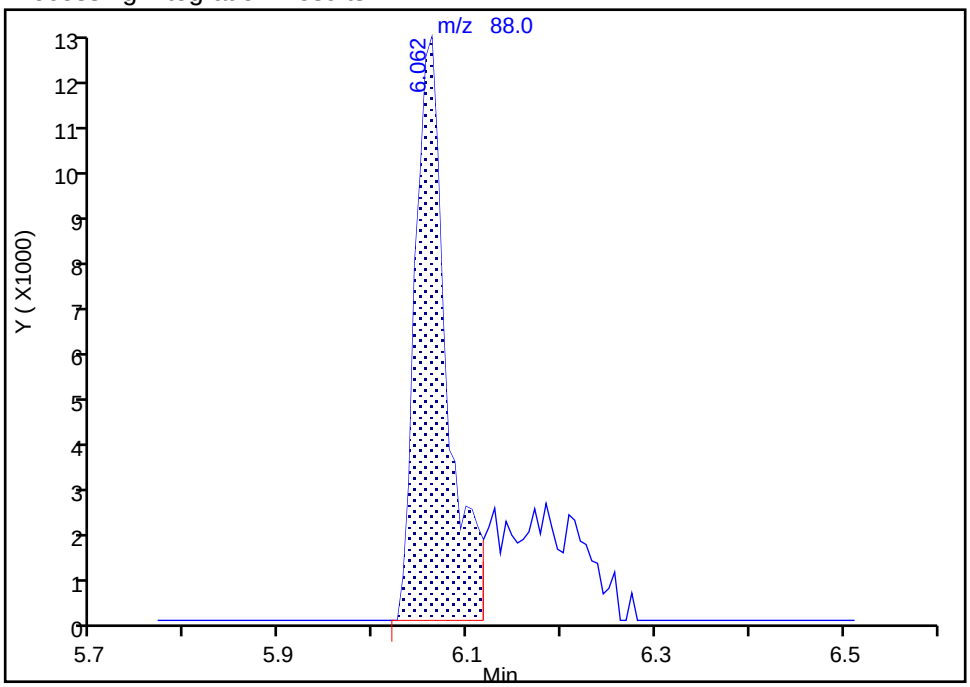
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1311.D				
Injection Date:	03-Feb-2022 17:47:30	Instrument ID:	HP5973N		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	17	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

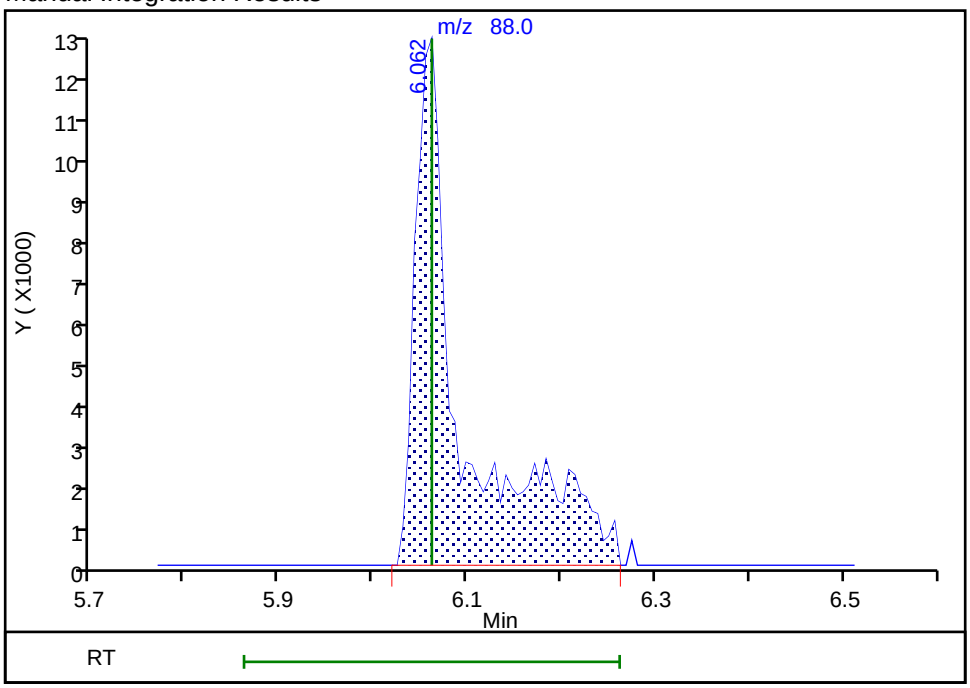
Processing Integration Results

RT: 6.06
Area: 29063
Amount: 525.3221
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 43419
Amount: 559.2055
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 09:12:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1312.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Feb-2022 18:10:30 ALS Bottle#: 18 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0103740-015
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:53 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:48:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.338	-0.006	98	187559	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	702310	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	94	334727	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	213590	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	48	287475	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	834458	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.572	9.578	-0.006	88	251887	25.0	24.9	
11 Dichlorodifluoromethane	85	1.256	1.250	0.006	98	452014	50.0	55.5	
13 Chloromethane	50	1.426	1.420	0.006	99	847213	50.0	49.9	
14 Vinyl chloride	62	1.517	1.511	0.006	97	646174	50.0	55.4	
144 Butadiene	54	1.536	1.530	0.006	95	778371	50.0	57.4	
15 Bromomethane	94	1.822	1.822	0.000	91	305797	50.0	47.7	
16 Chloroethane	64	1.895	1.895	0.000	95	381231	50.0	50.6	
18 Trichlorofluoromethane	101	2.089	2.089	0.000	99	645180	50.0	56.2	M
17 Dichlorofluoromethane	67	2.120	2.114	0.006	97	789221	50.0	50.9	
19 Ethyl ether	59	2.381	2.381	0.000	97	614415	50.0	51.7	
20 Acrolein	56	2.558	2.558	0.000	99	369427	250.0	253.1	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	457203	50.0	55.2	
21 112TCTFE	101	2.600	2.600	0.000	92	482891	50.0	55.9	
23 Acetone	43	2.716	2.710	0.006	98	927575	250.0	251.6	
24 Iodomethane	142	2.746	2.752	-0.006	99	812064	50.0	55.0	
25 Carbon disulfide	76	2.783	2.783	0.000	99	1518569	50.0	58.2	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	1365537	50.0	53.0	
28 Methyl acetate	43	3.008	3.008	0.000	100	1308301	100.0	94.7	
30 Methylene Chloride	84	3.105	3.099	0.006	92	518561	50.0	53.7	
31 2-Methyl-2-propanol	59	3.282	3.276	0.006	91	493192	500.0	447.5	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	97	1625018	50.0	53.8	
33 trans-1,2-Dichloroethene	96	3.330	3.324	0.006	91	532778	50.0	52.2	
34 Acrylonitrile	53	3.385	3.379	0.006	98	3057287	500.0	479.6	
35 Hexane	57	3.519	3.519	0.000	96	1074967	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.744	3.738	0.006	96	1148549	50.0	53.1	
39 Vinyl acetate	43	3.799	3.799	0.000	97	3834134	100.0	107.9	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	89	557050	50.0	52.9	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	84	584677	50.0	53.9	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	1895545	250.0	235.2	
47 Chlorobromomethane	128	4.523	4.523	0.000	88	294246	50.0	54.8	
49 Tetrahydrofuran	42	4.541	4.547	-0.006	94	546764	100.0	94.1	
50 Chloroform	83	4.602	4.602	0.000	95	918285	50.0	51.4	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	96	813685	50.0	53.5	
52 Cyclohexane	56	4.717	4.717	0.000	93	1358897	50.0	54.7	
53 Carbon tetrachloride	117	4.845	4.851	-0.006	95	733259	50.0	56.0	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	89	753932	50.0	53.9	
55 Benzene	78	5.064	5.064	0.000	95	2196739	50.0	53.0	
56 Isobutyl alcohol	43	5.101	5.095	0.006	94	684346	1250.0	1157.8	
57 1,2-Dichloroethane	62	5.137	5.131	0.006	95	900336	50.0	52.4	
59 n-Heptane	43	5.247	5.247	0.000	97	1218617	50.0	50.6	
60 Trichloroethene	95	5.672	5.672	0.000	95	552633	50.0	53.8	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	918090	50.0	54.1	
63 1,2-Dichloropropane	63	5.916	5.910	0.006	90	632090	50.0	51.2	
64 Dibromomethane	93	6.050	6.050	0.000	96	335690	50.0	52.8	
66 1,4-Dioxane	88	6.062	6.062	0.000	34	82167	1000.0	1094.4	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	657418	50.0	53.7	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	88	415878	50.0	51.8	
71 cis-1,3-Dichloropropene	75	6.615	6.615	0.000	88	884653	50.0	54.2	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	1478998	250.0	251.2	
73 Toluene	92	6.901	6.901	0.000	97	1360468	50.0	52.3	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	97	807686	50.0	54.0	
77 Ethyl methacrylate	69	7.236	7.236	0.000	92	689028	50.0	53.4	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	372542	50.0	49.7	
79 Tetrachloroethene	166	7.431	7.431	0.000	95	563660	50.0	52.8	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	94	797189	50.0	50.2	
82 2-Hexanone	43	7.607	7.607	0.000	99	2889745	250.0	248.4	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	493946	50.0	53.9	
84 Ethylene Dibromide	107	7.875	7.875	0.000	98	502491	50.0	51.3	
85 Chlorobenzene	112	8.349	8.349	0.000	92	1453633	50.0	51.8	
88 Ethylbenzene	91	8.441	8.441	-0.001	98	2533111	50.0	52.8	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	94	536248	50.0	55.4	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	964356	50.0	52.5	
91 o-Xylene	106	8.988	8.988	0.000	98	937436	50.0	52.2	
92 Styrene	104	9.018	9.018	0.000	95	1647133	50.0	52.9	
93 Bromoform	173	9.268	9.268	0.000	96	321665	50.0	54.1	
95 Isopropylbenzene	105	9.377	9.377	0.000	96	2520551	50.0	52.8	
97 Bromobenzene	156	9.724	9.724	0.000	92	617479	50.0	52.6	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	93	606164	50.0	50.2	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	2909493	50.0	53.7	
99 1,2,3-Trichloropropane	110	9.815	9.815	0.000	92	195456	50.0	49.3	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	85	291765	50.0	51.4	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	570422	50.0	52.6	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	2033311	50.0	53.2	
105 4-Chlorotoluene	91	10.022	10.022	0.000	97	1803990	50.0	51.8	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	440472	50.0	52.7	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	2048431	50.0	53.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	94	2568890	50.0	52.7	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	1144685	50.0	52.6	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	2228174	50.0	54.7	
113 1,4-Dichlorobenzene	146	10.740	10.740	0.000	94	1163258	50.0	51.5	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	1923584	50.0	53.9	
116 1,2-Dichlorobenzene	146	11.093	11.099	-0.006	98	1112213	50.0	52.1	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.829	0.006	87	108346	50.0	50.9	
119 1,2,4-Trichlorobenzene	180	12.504	12.504	0.000	95	736379	50.0	53.5	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	356012	50.0	54.8	
121 Naphthalene	128	12.723	12.717	0.006	97	2085939	50.0	52.6	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	96	701415	50.0	54.5	
S 126 Xylenes, Total	1				0			104.7	
S 123 1,3-Dichloropropene, Total	1				0			108.1	
S 124 1,2-Dichloroethene, Total	1				0			106.1	
S 125 Total BTEX	1				0			262.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00219	Amount Added: 25.00	Units: uL	
GAS CORP mix_00492	Amount Added: 25.00	Units: uL	
N_8260_Surr_00433	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:54 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1312.D

Injection Date: 03-Feb-2022 18:10:30 Instrument ID: HP5973N Operator ID: LH

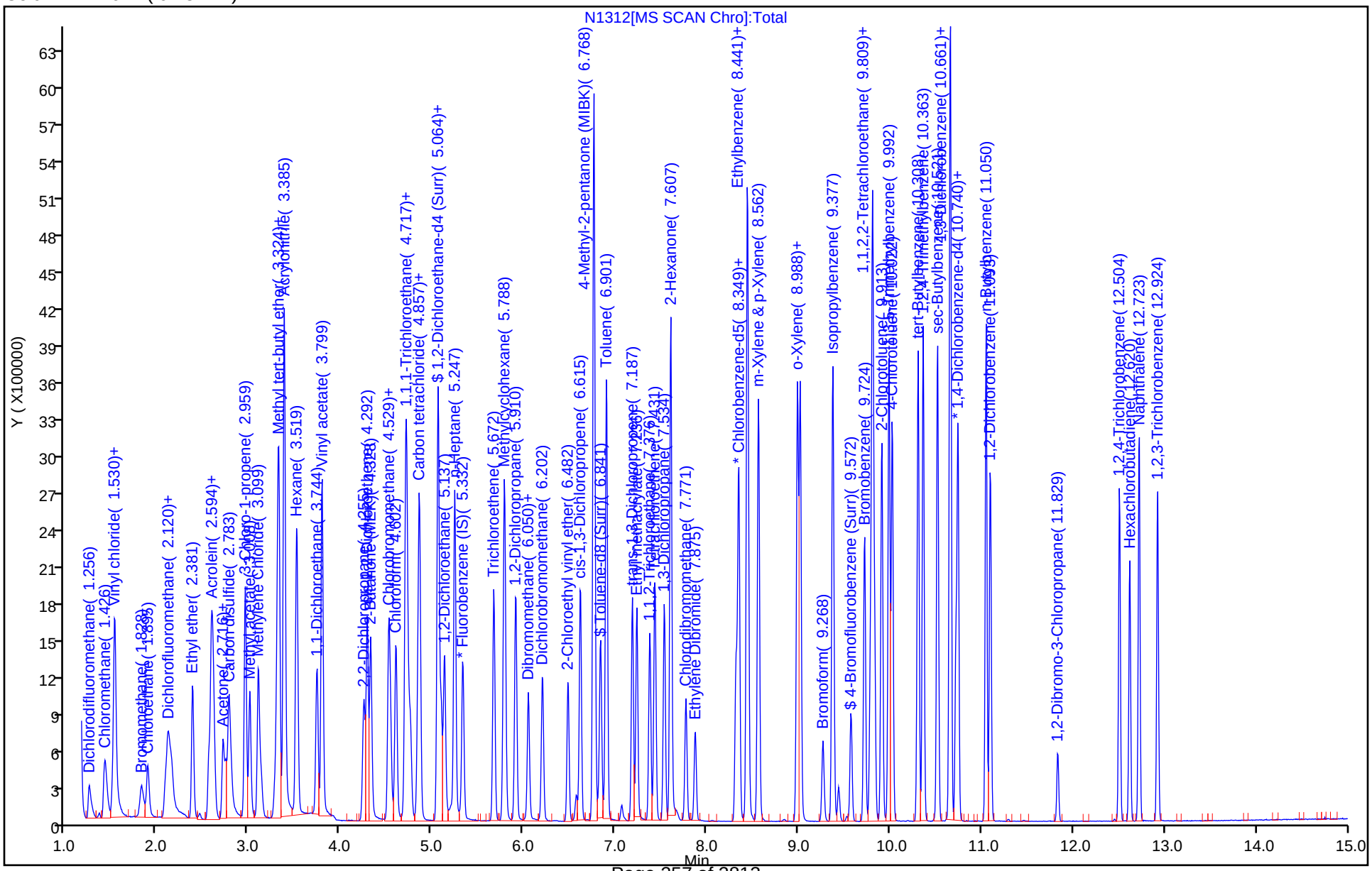
Lims ID: IC 6 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

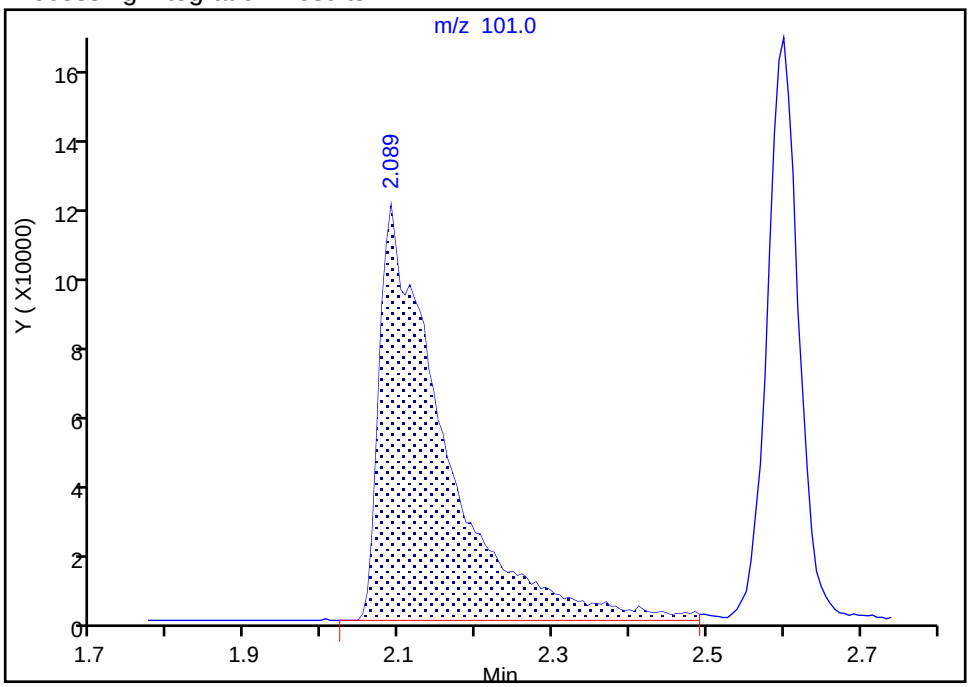
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1312.D				
Injection Date:	03-Feb-2022 18:10:30	Instrument ID:	HP5973N		
Lims ID:	IC 6				
Client ID:					
Operator ID:	LH	ALS Bottle#:	18	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

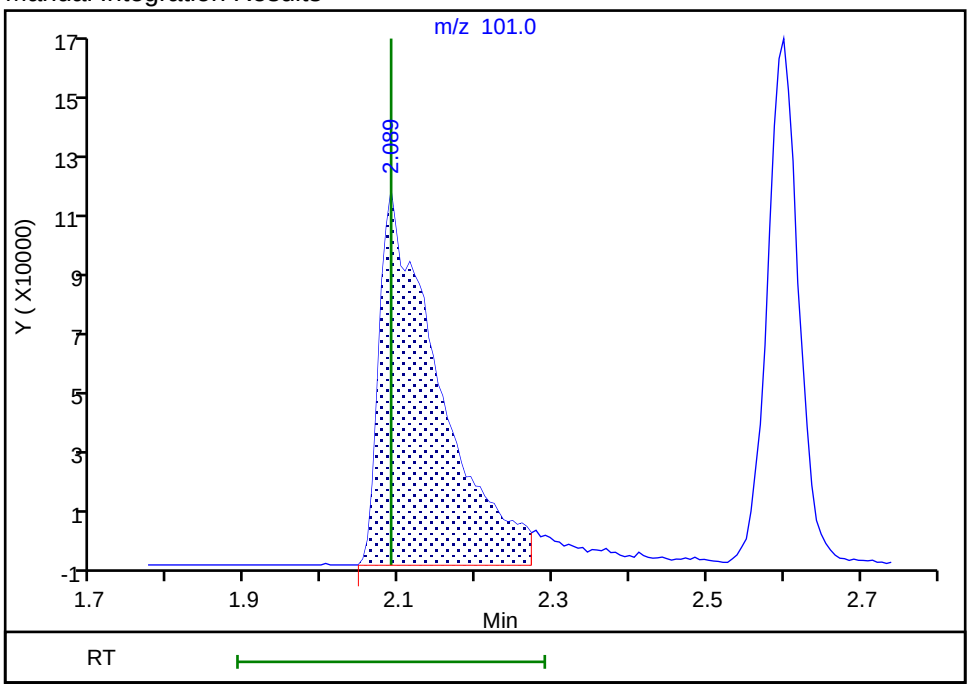
Processing Integration Results

RT: 2.09
Area: 701484
Amount: 63.253755
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 645180
Amount: 56.194355
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:21:20

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

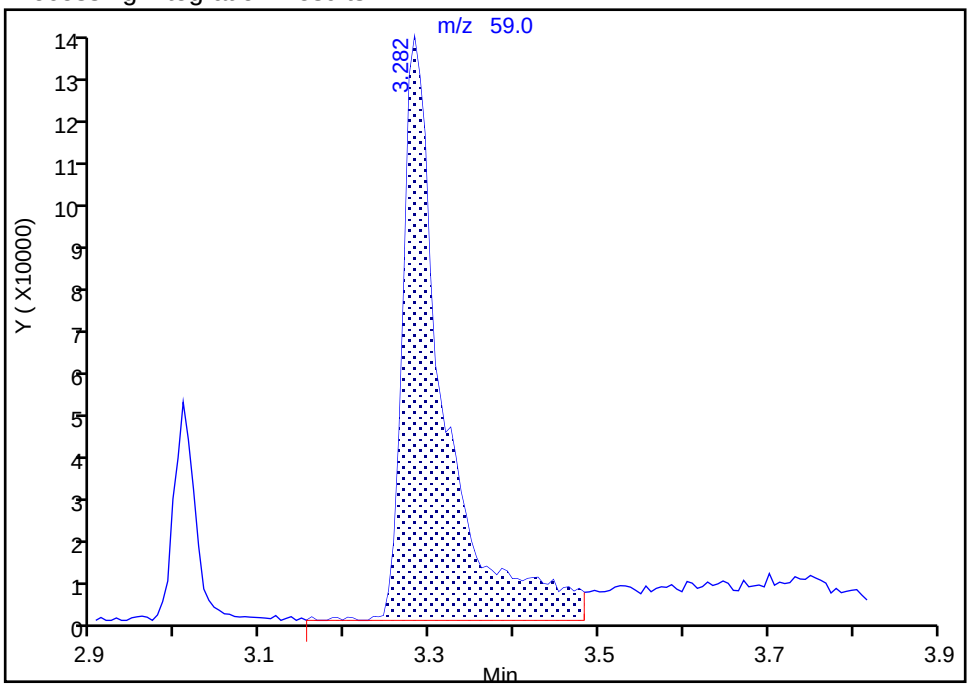
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1312.D				
Injection Date:	03-Feb-2022 18:10:30	Instrument ID:	HP5973N		
Lims ID:	IC 6				
Client ID:					
Operator ID:	LH	ALS Bottle#:	18	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

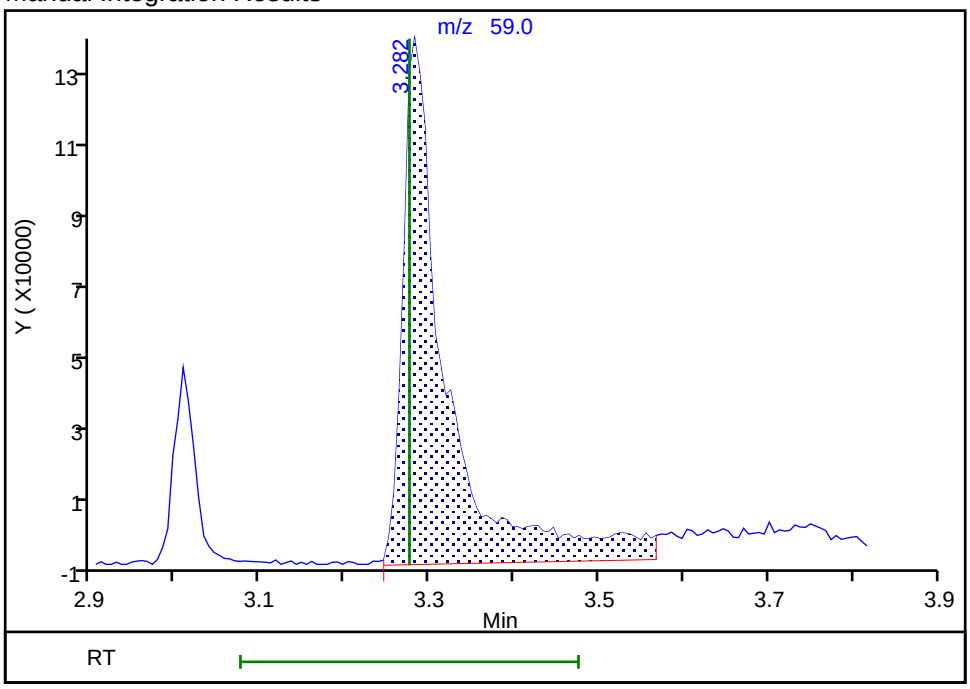
Processing Integration Results

RT: 3.28
Area: 467768
Amount: 431.9604
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 493192
Amount: 447.4515
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:30:18

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

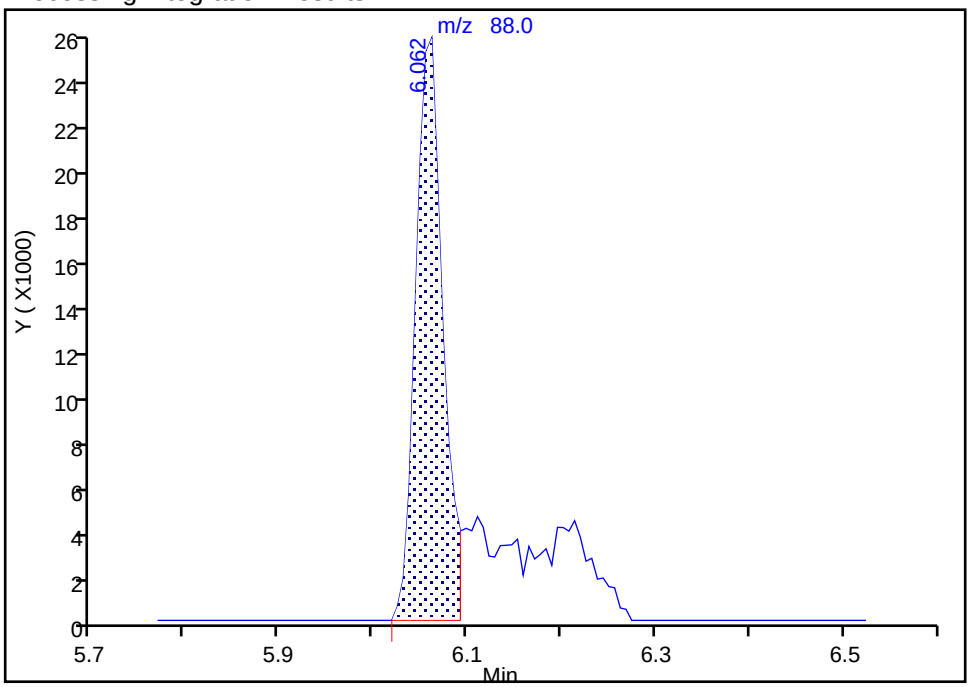
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1312.D				
Injection Date:	03-Feb-2022 18:10:30	Instrument ID:	HP5973N		
Lims ID:	IC 6				
Client ID:					
Operator ID:	LH	ALS Bottle#:	18	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

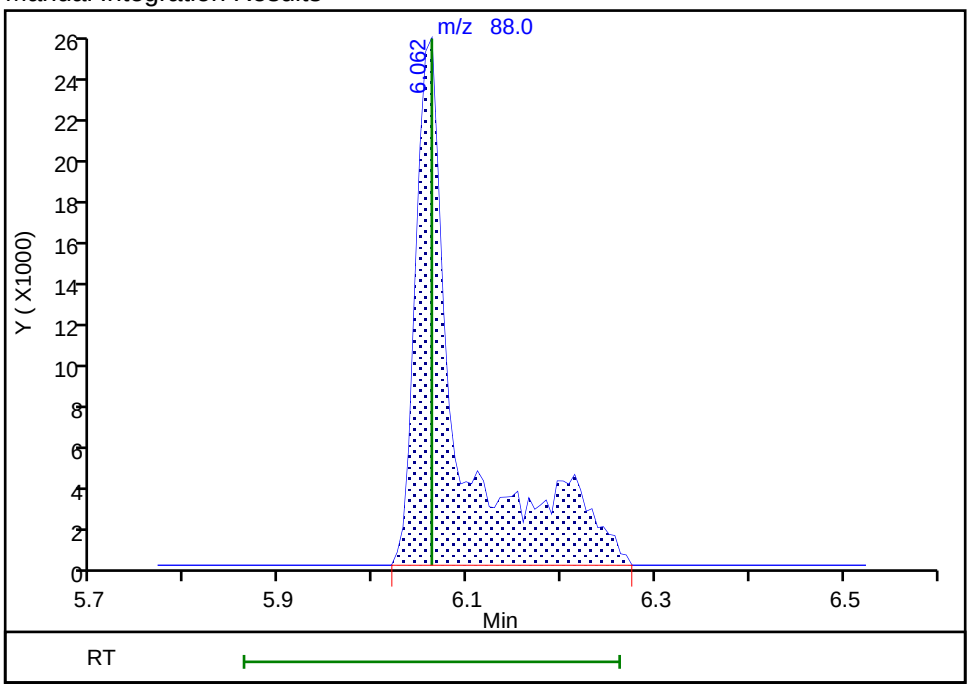
Processing Integration Results

RT: 6.06
Area: 51230
Amount: 870.1645
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 82167
Amount: 1094.4410
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:49:33

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1313.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Feb-2022 18:34:30 ALS Bottle#: 19 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0103740-016
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 11:57:57 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 10:49:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.338	0.000	98	208050	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	779989	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	94	374863	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	92	229639	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	43	312259	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	923738	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	277742	25.0	24.8	
11 Dichlorodifluoromethane	85	1.256	1.250	0.006	98	907099	100.0	100.3	
13 Chloromethane	50	1.420	1.420	0.000	99	1704441	100.0	90.4	
14 Vinyl chloride	62	1.511	1.511	0.000	97	1301181	100.0	100.5	
144 Butadiene	54	1.530	1.530	0.000	95	1393228	100.0	92.6	
15 Bromomethane	94	1.822	1.822	0.000	92	641758	100.0	90.2	
16 Chloroethane	64	1.901	1.895	0.006	96	744828	100.0	89.1	
18 Trichlorofluoromethane	101	2.089	2.089	0.000	96	1336338	100.0	104.9	M
17 Dichlorofluoromethane	67	2.114	2.114	0.000	97	1602453	100.0	93.1	
19 Ethyl ether	59	2.381	2.381	0.000	97	1309343	100.0	99.3	
20 Acrolein	56	2.558	2.558	0.000	99	808695	500.0	501.9	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	912579	100.0	99.4	
21 112TCTFE	101	2.600	2.600	0.000	93	979748	100.0	102.3	
23 Acetone	43	2.710	2.710	0.000	98	2079382	500.0	509.9	
24 Iodomethane	142	2.777	2.752	0.025	99	1637215	100.0	100.1	
25 Carbon disulfide	76	2.783	2.783	0.000	99	3037487	100.0	104.9	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	89	2816372	100.0	98.5	
28 Methyl acetate	43	3.002	3.008	-0.006	100	3009041	200.0	196.3	
30 Methylene Chloride	84	3.099	3.099	0.000	91	1035755	100.0	97.1	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	97	1300921	1000.0	1064.0	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	98	3402346	100.0	101.6	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	91	1108266	100.0	97.9	
34 Acrylonitrile	53	3.385	3.379	0.006	98	6959081	1000.0	984.2	
35 Hexane	57	3.519	3.519	0.000	96	2349669	100.0	101.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	2440195	100.0	101.6	
39 Vinyl acetate	43	3.793	3.799	-0.006	96	8837477	200.0	224.2	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	91	1060368	100.0	90.8	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	84	1206958	100.0	100.3	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	4464982	500.0	499.4	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	609071	100.0	102.3	
49 Tetrahydrofuran	42	4.541	4.547	-0.006	94	1225534	200.0	190.2	
50 Chloroform	83	4.602	4.602	0.000	96	1949007	100.0	98.4	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	97	1693417	100.0	100.4	
52 Cyclohexane	56	4.717	4.717	0.000	94	2775978	100.0	100.8	
53 Carbon tetrachloride	117	4.845	4.851	-0.006	96	1565947	100.0	107.8	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	95	1648123	100.0	106.3	
55 Benzene	78	5.064	5.064	0.000	96	4732355	100.0	103.0	
56 Isobutyl alcohol	43	5.095	5.095	0.000	94	1687524	2500.0	2573.8	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	1896304	100.0	99.6	
59 n-Heptane	43	5.247	5.247	0.000	97	2788752	100.0	104.5	
60 Trichloroethene	95	5.673	5.672	0.001	95	1182516	100.0	103.7	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	1943405	100.0	103.3	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	91	1390534	100.0	101.6	
64 Dibromomethane	93	6.050	6.050	0.000	96	724879	100.0	102.9	
66 1,4-Dioxane	88	6.056	6.062	-0.006	32	190473	2000.0	2284.4	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	1484196	100.0	109.3	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	89	986418	100.0	110.8	
71 cis-1,3-Dichloropropene	75	6.616	6.615	0.001	88	1964493	100.0	108.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	3455721	500.0	528.4	
73 Toluene	92	6.901	6.901	0.000	97	3024225	100.0	104.7	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	97	1866120	100.0	112.3	
77 Ethyl methacrylate	69	7.236	7.236	0.000	93	1668633	100.0	116.4	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	94	826250	100.0	99.3	
79 Tetrachloroethene	166	7.431	7.431	0.000	96	1256278	100.0	106.0	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	95	1817817	100.0	103.0	
82 2-Hexanone	43	7.607	7.607	0.000	99	6946881	500.0	537.7	
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	1139822	100.0	112.1	
84 Ethylene Dibromide	107	7.875	7.875	0.000	99	1119446	100.0	102.9	
85 Chlorobenzene	112	8.349	8.349	0.000	92	3221317	100.0	103.3	
88 Ethylbenzene	91	8.441	8.441	0.000	99	5699902	100.0	106.9	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	94	1189118	100.0	110.7	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	2157513	100.0	105.7	
91 o-Xylene	106	8.988	8.988	0.000	98	2029854	100.0	101.8	
92 Styrene	104	9.019	9.018	0.001	95	3676772	100.0	106.3	
93 Bromoform	173	9.268	9.268	0.000	96	775227	100.0	117.5	
95 Isopropylbenzene	105	9.377	9.377	0.000	96	5580670	100.0	104.3	
97 Bromobenzene	156	9.724	9.724	0.000	93	1357435	100.0	103.2	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	93	1360480	100.0	100.6	
100 N-Propylbenzene	91	9.809	9.809	0.000	100	6524530	100.0	107.5	
99 1,2,3-Trichloropropane	110	9.815	9.815	0.000	90	429113	100.0	96.6	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	681282	100.0	107.1	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	1253967	100.0	103.2	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	4513596	100.0	105.5	
105 4-Chlorotoluene	91	10.022	10.022	0.000	98	4034374	100.0	103.4	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	964993	100.0	103.1	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	4530813	100.0	105.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	5684643	100.0	104.1	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	2531000	100.0	103.9	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	4990681	100.0	109.4	
113 1,4-Dichlorobenzene	146	10.746	10.740	0.006	95	2584829	100.0	102.1	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	4329784	100.0	108.3	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	98	2432988	100.0	101.7	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.829	0.006	82	265639	100.0	111.4	
119 1,2,4-Trichlorobenzene	180	12.504	12.504	0.000	95	1659283	100.0	107.7	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	97	788813	100.0	108.4	
121 Naphthalene	128	12.723	12.717	0.006	97	4944351	100.0	111.4	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	96	1604234	100.0	111.3	
S 126 Xylenes, Total	1				0			207.5	
S 123 1,3-Dichloropropene, Total	1				0			220.7	
S 124 1,2-Dichloroethene, Total	1				0			198.2	
S 125 Total BTEX	1				0			522.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00219	Amount Added: 50.00	Units: uL	
GAS CORP mix_00492	Amount Added: 50.00	Units: uL	
N_8260_Surr_00433	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 11:57:58 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1313.D

Injection Date: 03-Feb-2022 18:34:30 Instrument ID: HP5973N Operator ID: LH

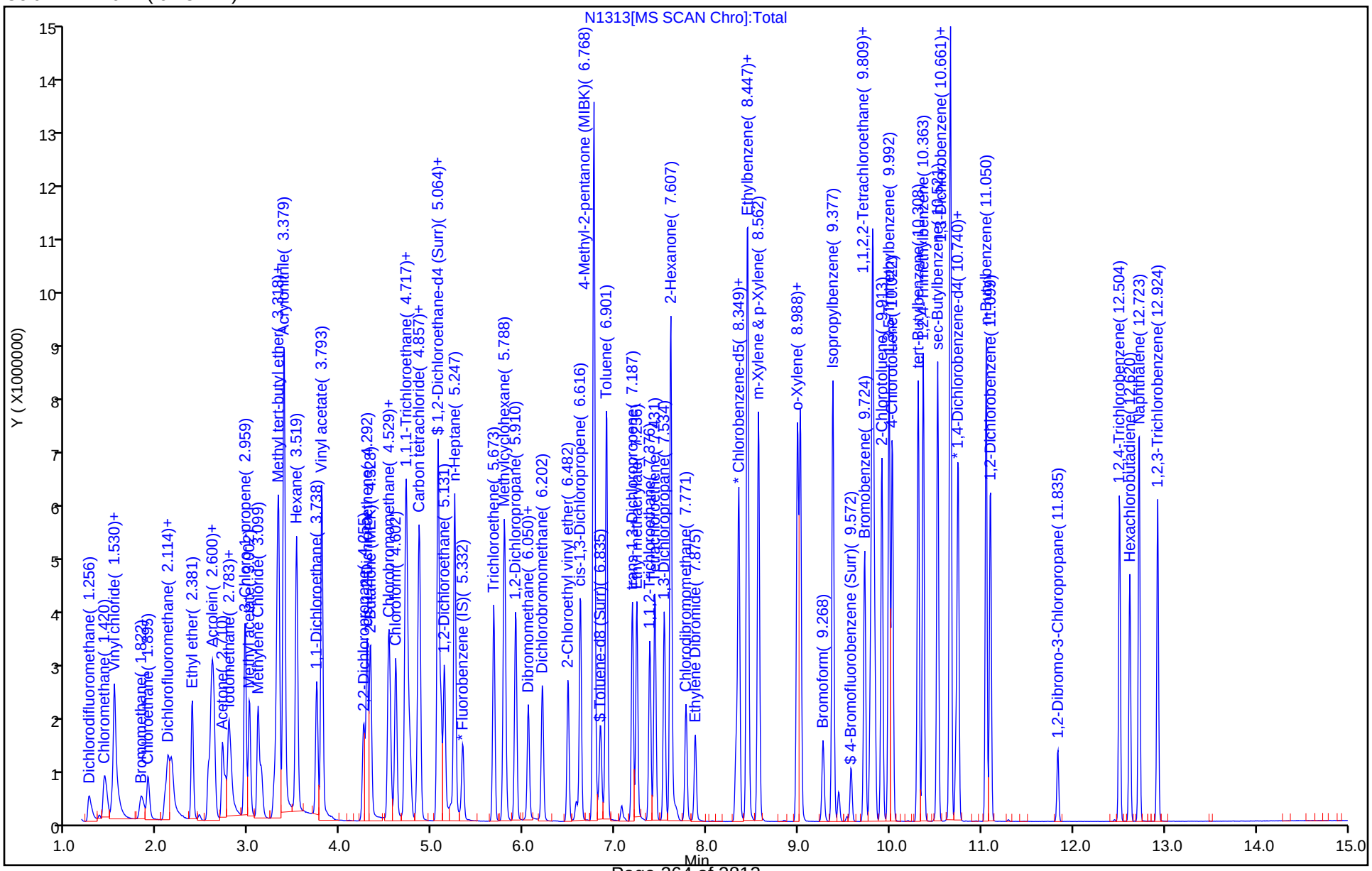
Lims ID: IC 7 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

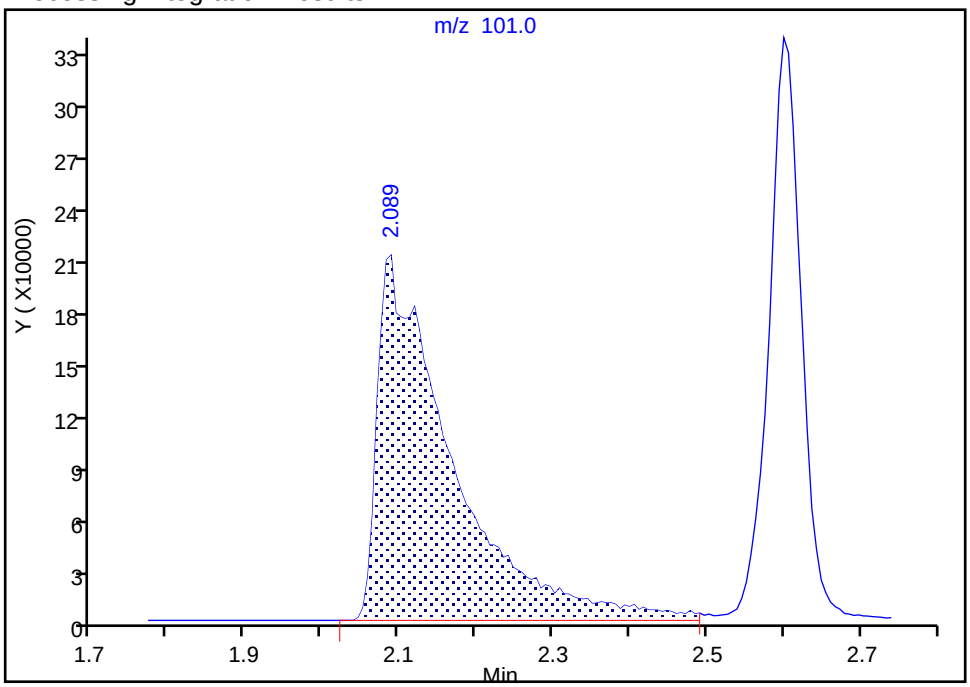
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1313.D				
Injection Date:	03-Feb-2022 18:34:30	Instrument ID:	HP5973N		
Lims ID:	IC 7				
Client ID:					
Operator ID:	LH	ALS Bottle#:	19	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

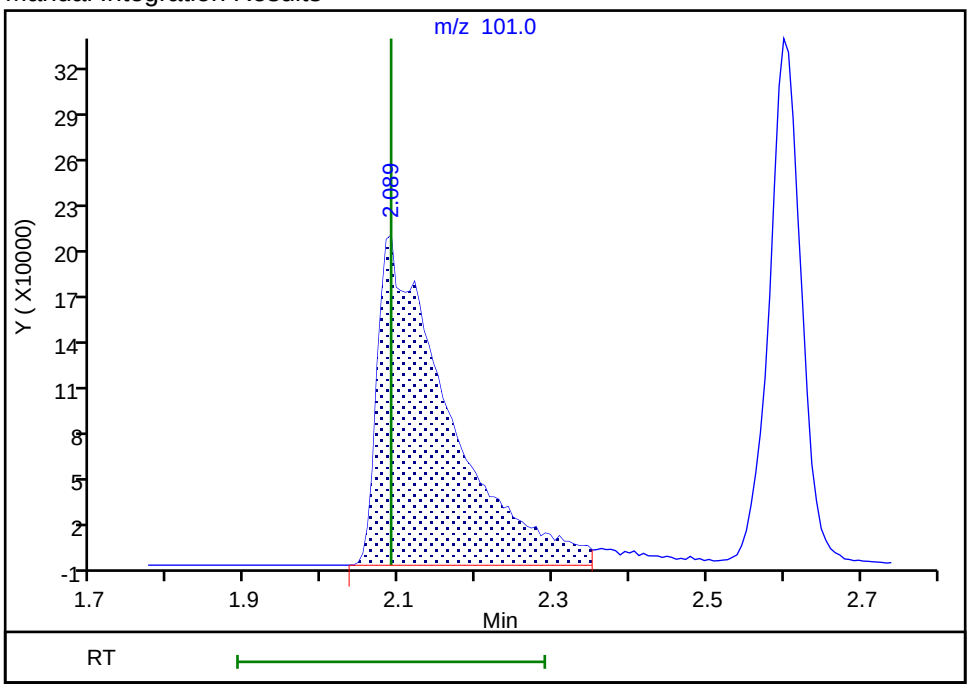
Processing Integration Results

RT: 2.09
Area: 1391064
Amount: 114.5337
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 1336338
Amount: 104.9297
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:21:40

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

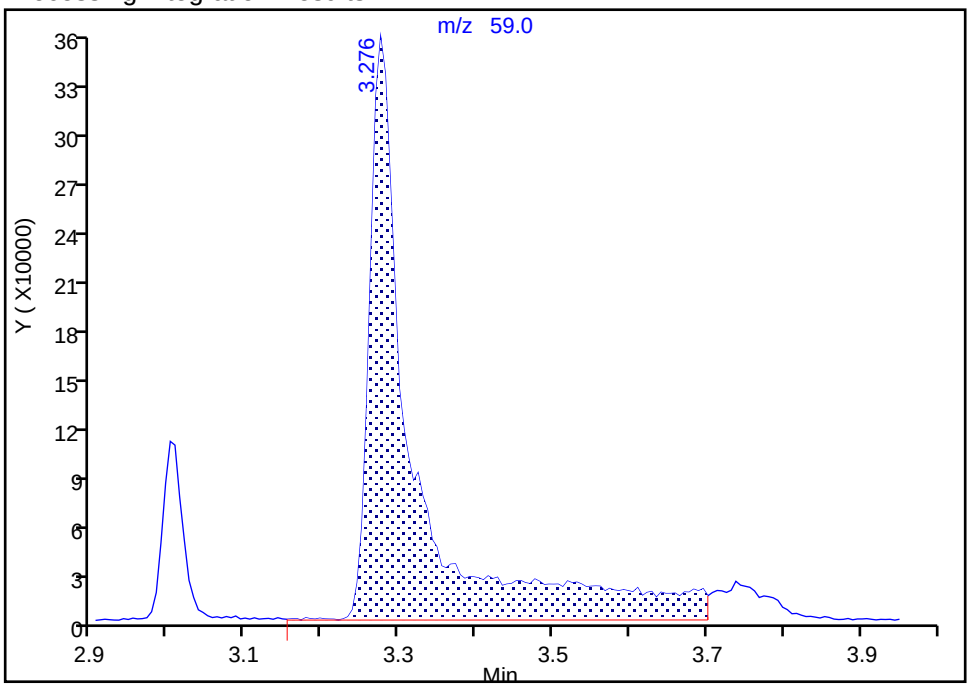
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1313.D				
Injection Date:	03-Feb-2022 18:34:30	Instrument ID:	HP5973N		
Lims ID:	IC 7				
Client ID:					
Operator ID:	LH	ALS Bottle#:	19	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

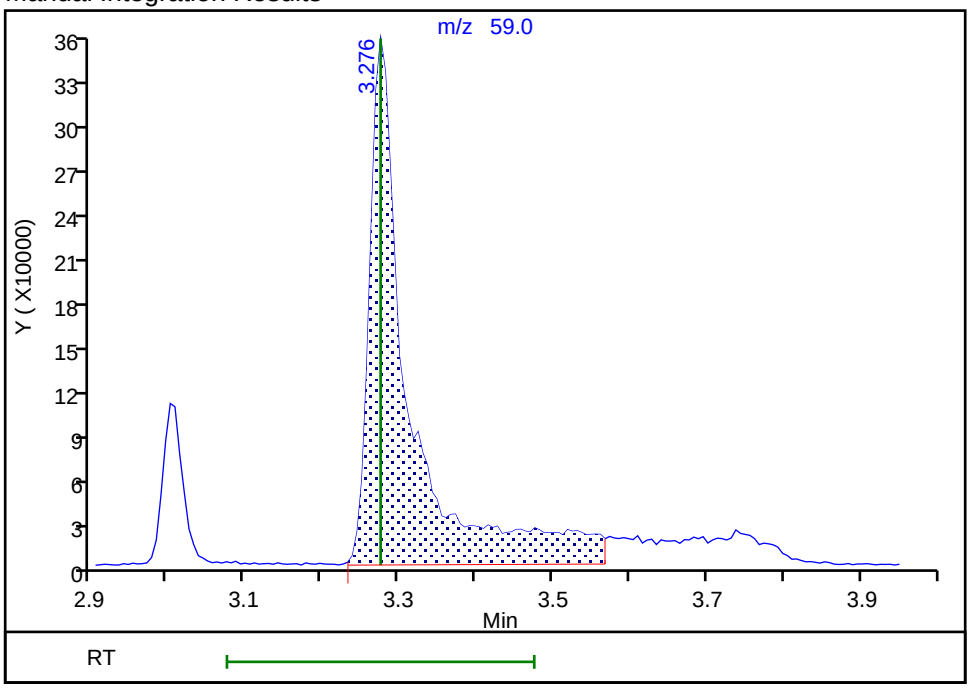
Processing Integration Results

RT: 3.28
Area: 1445564
Amount: 1175.5692
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 1300921
Amount: 1064.0230
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:30:36

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

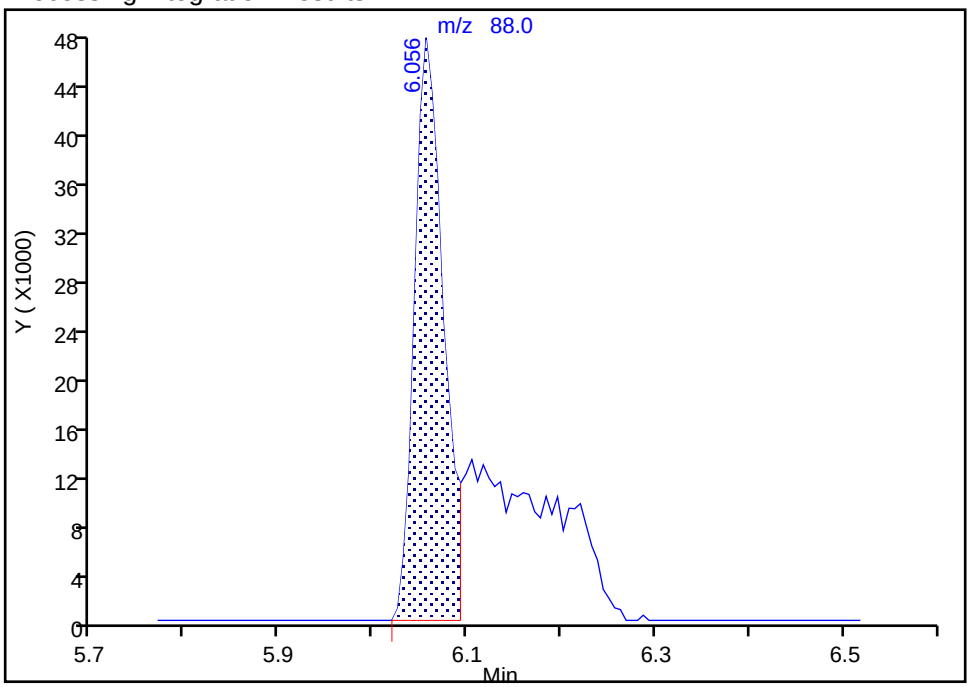
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1313.D				
Injection Date:	03-Feb-2022 18:34:30	Instrument ID:	HP5973N		
Lims ID:	IC 7				
Client ID:					
Operator ID:	LH	ALS Bottle#:	19	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

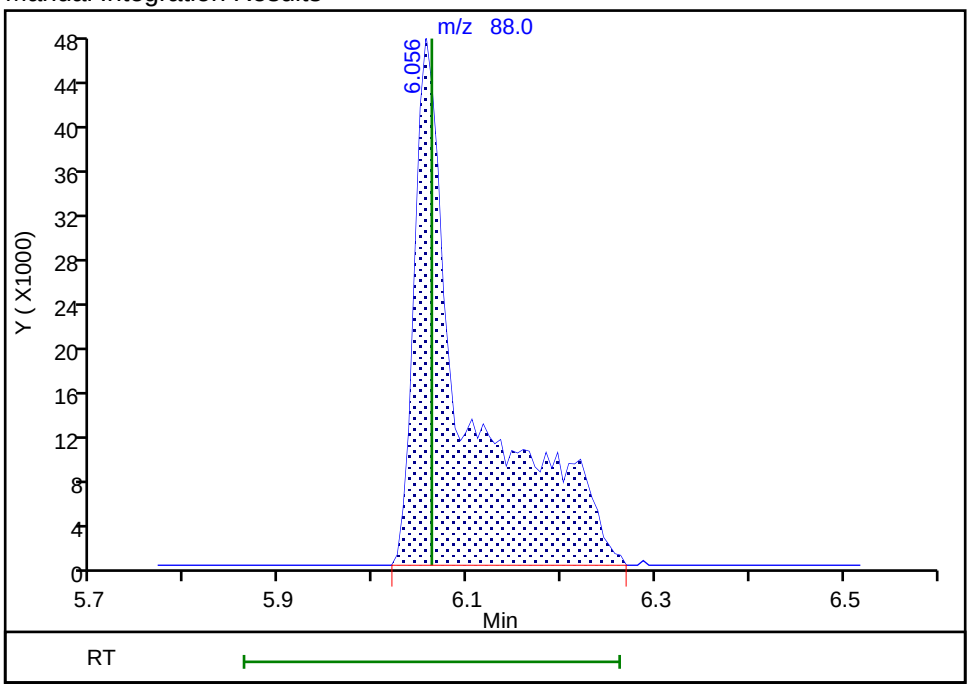
Processing Integration Results

RT: 6.06
Area: 102674
Amount: 1473.4964
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 190473
Amount: 2284.3820
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 10:49:52

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

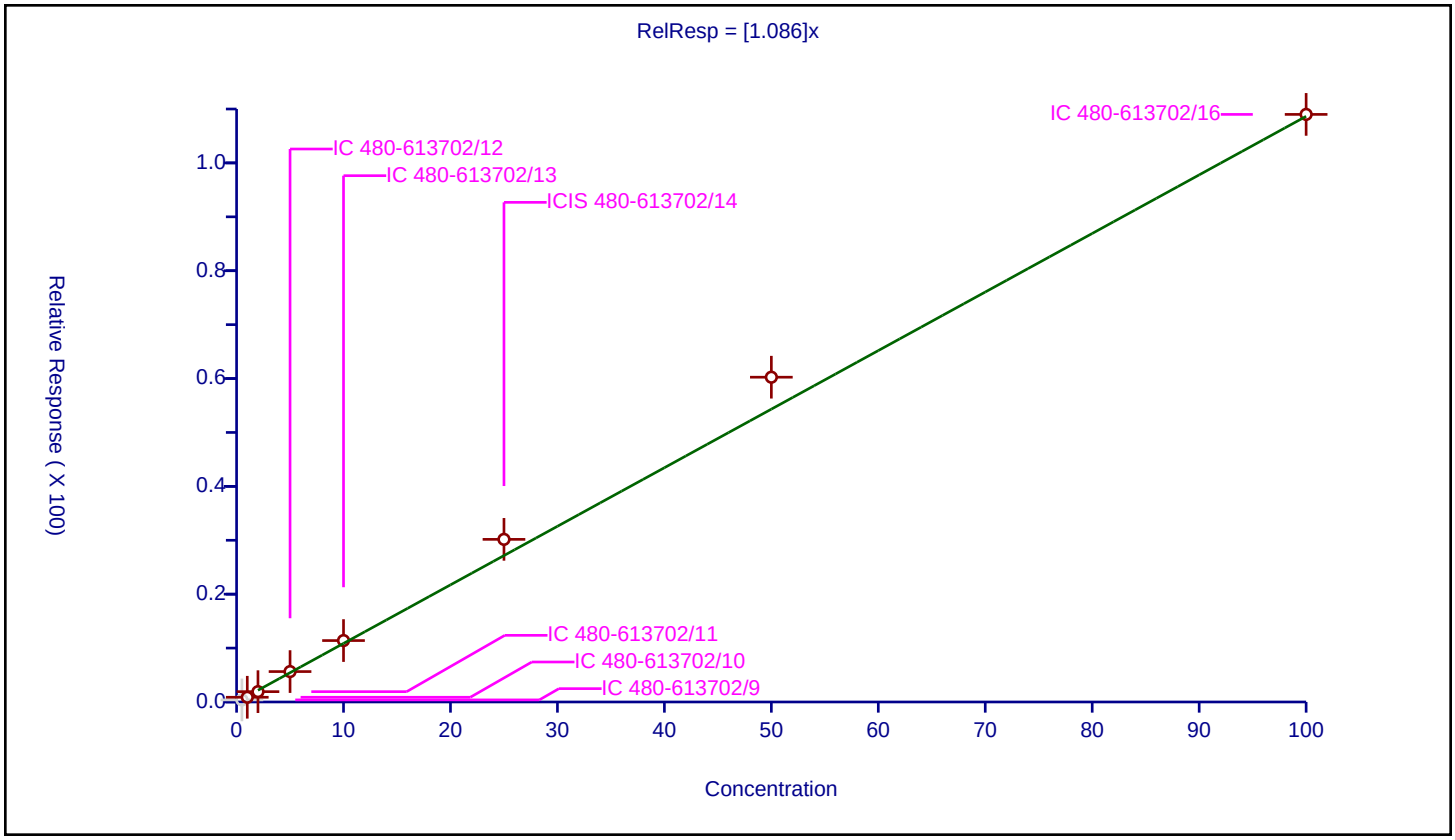
Curve Coefficients

Intercept:	0
Slope:	1.086

Error Coefficients

Standard Error:	427000
Relative Standard Error:	11.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.388853	25.0	193132.0	0.777706	N
2	IC 480-613702/10	1.0	0.876421	25.0	204411.0	0.876421	Y
3	IC 480-613702/11	2.0	1.918838	25.0	209606.0	0.959419	Y
4	IC 480-613702/12	5.0	5.639773	25.0	192029.0	1.127955	Y
5	IC 480-613702/13	10.0	11.395186	25.0	191978.0	1.139519	Y
6	ICIS 480-613702/14	25.0	30.168308	25.0	196931.0	1.206732	Y
7	IC 480-613702/15	50.0	60.249575	25.0	187559.0	1.204991	Y
8	IC 480-613702/16	100.0	109.00012	25.0	208050.0	1.090001	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

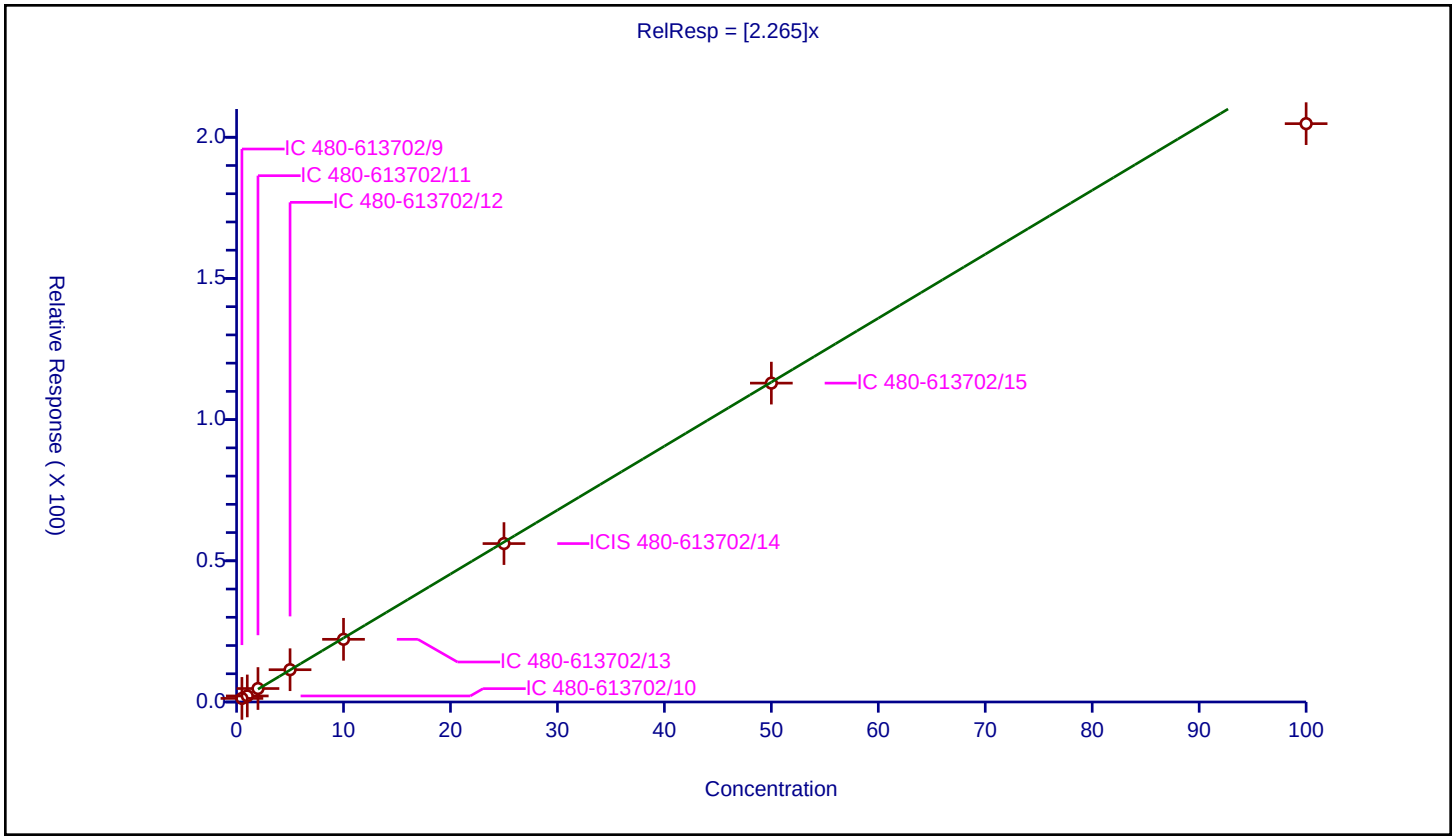
Curve Coefficients

Intercept:	0
Slope:	2.265

Error Coefficients

Standard Error:	742000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.273222	25.0	193132.0	2.546445	Y
2	IC 480-613702/10	1.0	2.138217	25.0	204411.0	2.138217	Y
3	IC 480-613702/11	2.0	4.760598	25.0	209606.0	2.380299	Y
4	IC 480-613702/12	5.0	11.432127	25.0	192029.0	2.286425	Y
5	IC 480-613702/13	10.0	22.201763	25.0	191978.0	2.220176	Y
6	ICIS 480-613702/14	25.0	56.098075	25.0	196931.0	2.243923	Y
7	IC 480-613702/15	50.0	112.926199	25.0	187559.0	2.258524	Y
8	IC 480-613702/16	100.0	204.811464	25.0	208050.0	2.048115	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

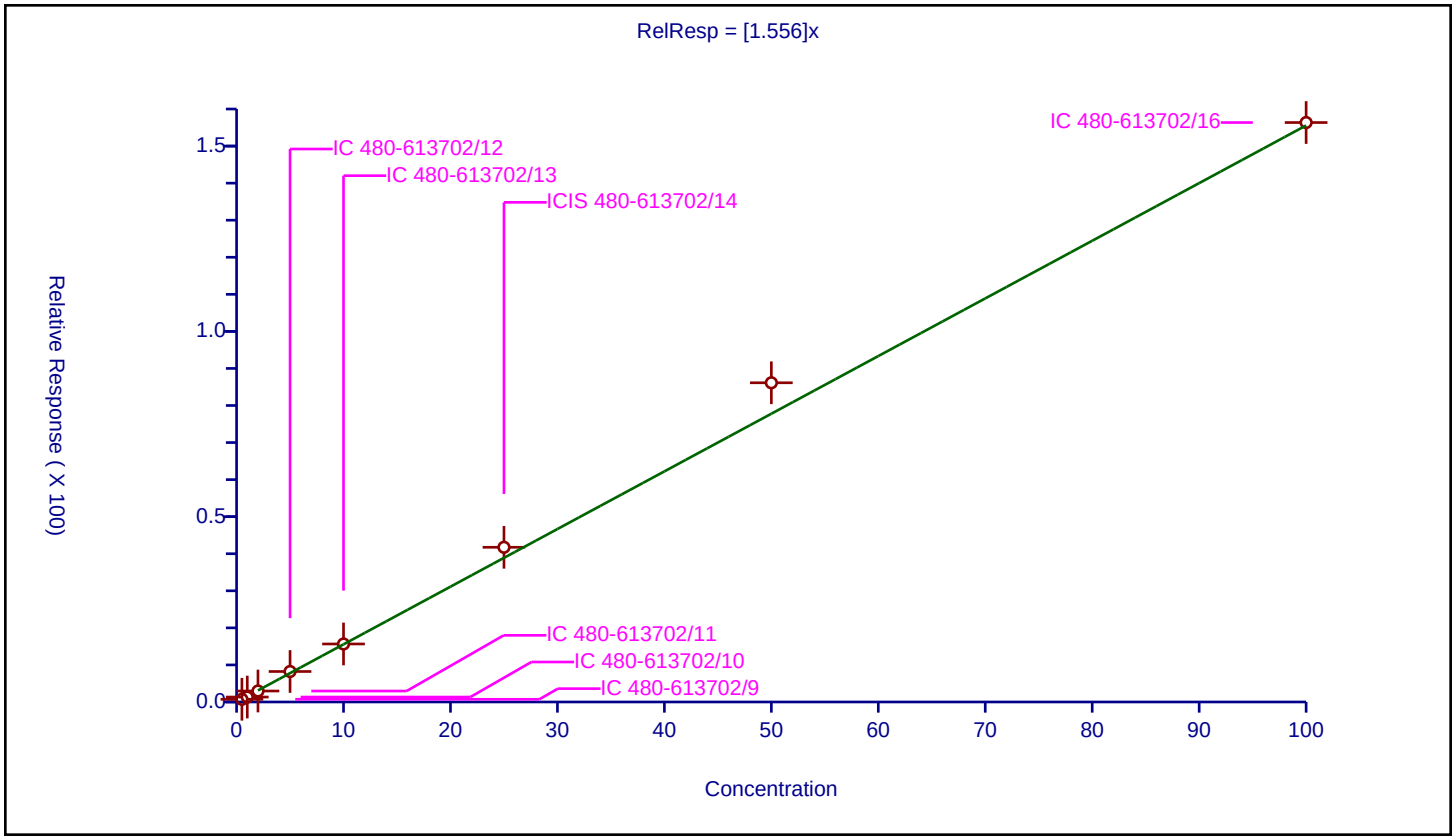
Curve Coefficients

Intercept:	0
Slope:	1.556

Error Coefficients

Standard Error:	565000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.729165	25.0	193132.0	1.458329	Y
2	IC 480-613702/10	1.0	1.337501	25.0	204411.0	1.337501	Y
3	IC 480-613702/11	2.0	2.963656	25.0	209606.0	1.481828	Y
4	IC 480-613702/12	5.0	8.230788	25.0	192029.0	1.646158	Y
5	IC 480-613702/13	10.0	15.650882	25.0	191978.0	1.565088	Y
6	ICIS 480-613702/14	25.0	41.743936	25.0	196931.0	1.669757	Y
7	IC 480-613702/15	50.0	86.129431	25.0	187559.0	1.722589	Y
8	IC 480-613702/16	100.0	156.354362	25.0	208050.0	1.563544	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

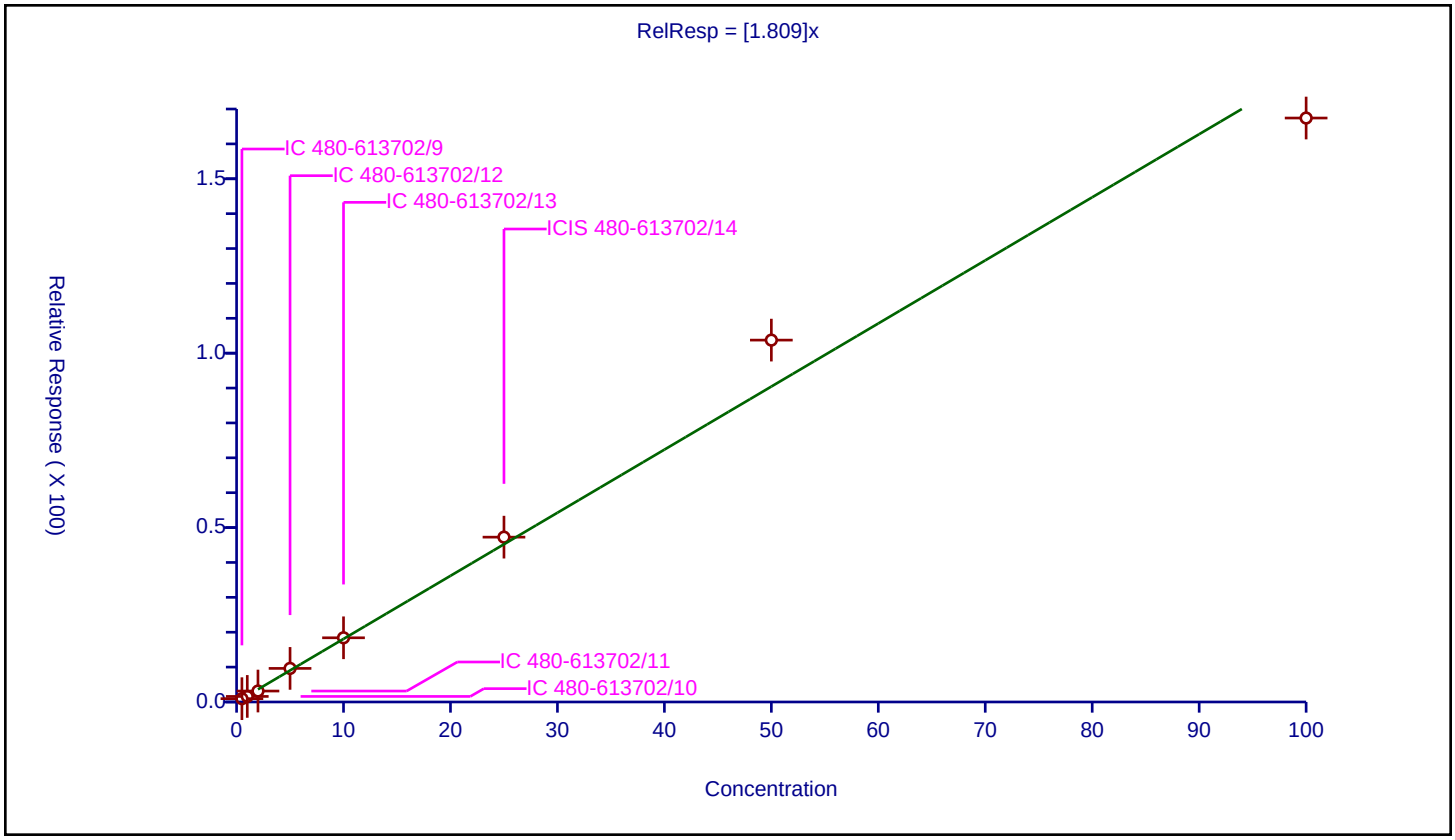
Curve Coefficients

Intercept:	0
Slope:	1.809

Error Coefficients

Standard Error:	622000
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 480-613702/9	0.5	0.948315	25.0	193132.0	1.89663	Y
2	IC 480-613702/10	1.0	1.596049	25.0	204411.0	1.596049	Y
3	IC 480-613702/11	2.0	3.14137	25.0	209606.0	1.570685	Y
4	IC 480-613702/12	5.0	9.629795	25.0	192029.0	1.925959	Y
5	IC 480-613702/13	10.0	18.407578	25.0	191978.0	1.840758	Y
6	ICIS 480-613702/14	25.0	47.257923	25.0	196931.0	1.890317	Y
7	IC 480-613702/15	50.0	103.750153	25.0	187559.0	2.075003	Y
8	IC 480-613702/16	100.0	167.415044	25.0	208050.0	1.67415	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

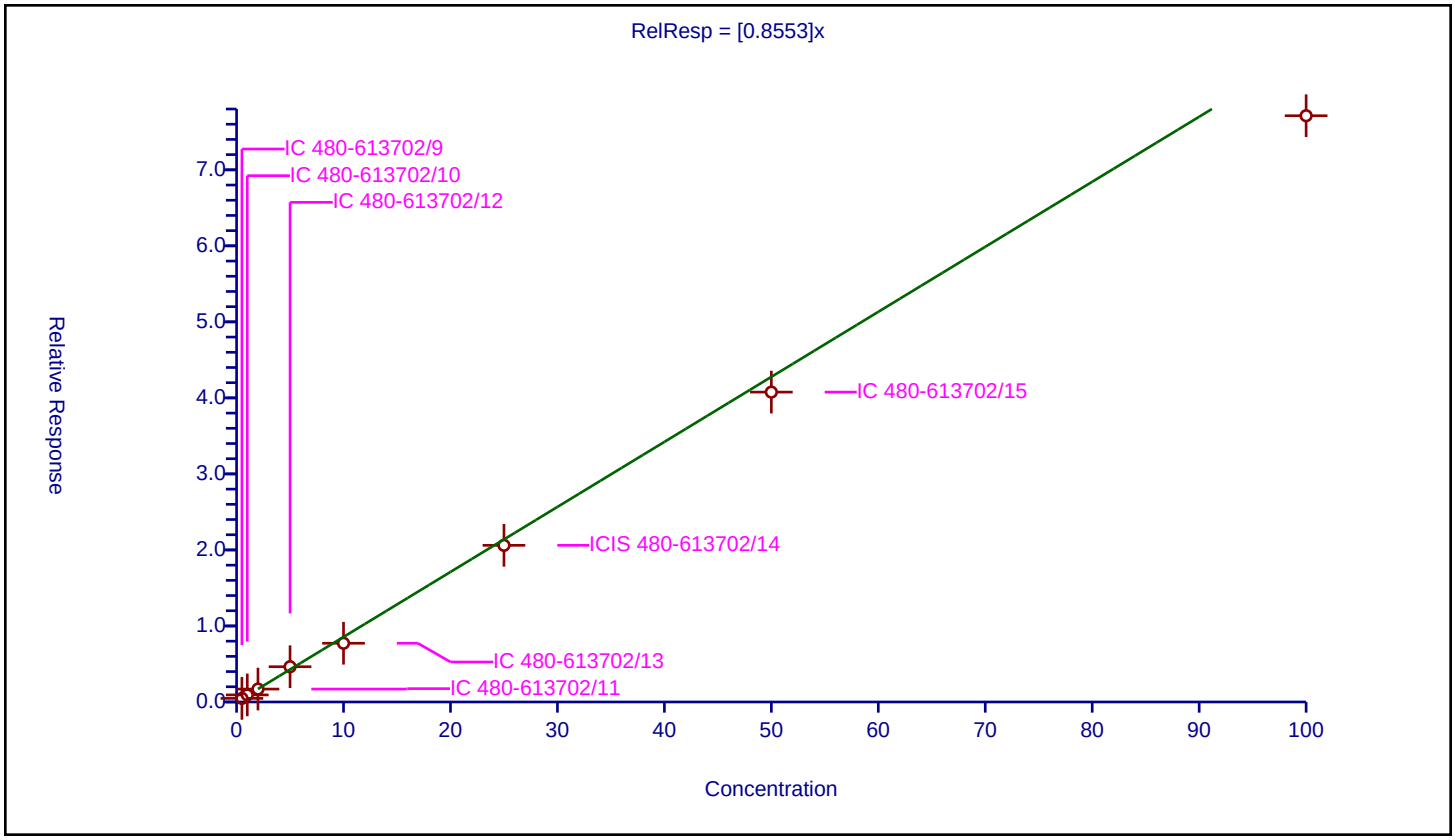
Curve Coefficients

Intercept:	0
Slope:	0.8553

Error Coefficients

Standard Error:	277000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.47597	25.0	193132.0	0.95194	Y
2	IC 480-613702/10	1.0	0.929622	25.0	204411.0	0.929622	Y
3	IC 480-613702/11	2.0	1.700572	25.0	209606.0	0.850286	Y
4	IC 480-613702/12	5.0	4.637841	25.0	192029.0	0.927568	Y
5	IC 480-613702/13	10.0	7.726927	25.0	191978.0	0.772693	Y
6	ICIS 480-613702/14	25.0	20.606837	25.0	196931.0	0.824273	Y
7	IC 480-613702/15	50.0	40.760107	25.0	187559.0	0.815202	Y
8	IC 480-613702/16	100.0	77.115838	25.0	208050.0	0.771158	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

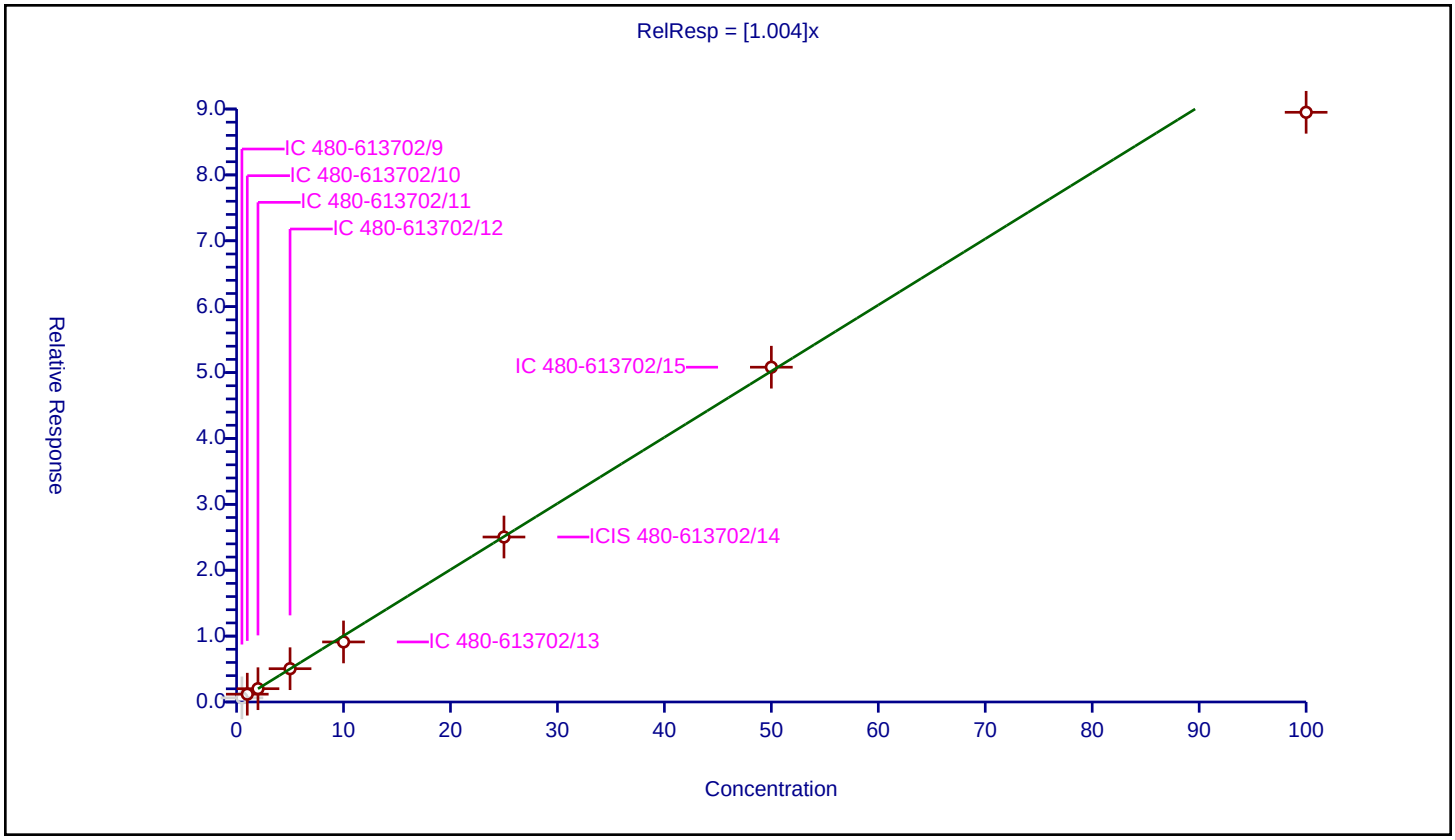
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	353000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.630268	25.0	193132.0	1.260537	N
2	IC 480-613702/10	1.0	1.185846	25.0	204411.0	1.185846	Y
3	IC 480-613702/11	2.0	2.017476	25.0	209606.0	1.008738	Y
4	IC 480-613702/12	5.0	5.053403	25.0	192029.0	1.010681	Y
5	IC 480-613702/13	10.0	9.113674	25.0	191978.0	0.911367	Y
6	ICIS 480-613702/14	25.0	25.037577	25.0	196931.0	1.001503	Y
7	IC 480-613702/15	50.0	50.81481	25.0	187559.0	1.016296	Y
8	IC 480-613702/16	100.0	89.501081	25.0	208050.0	0.895011	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

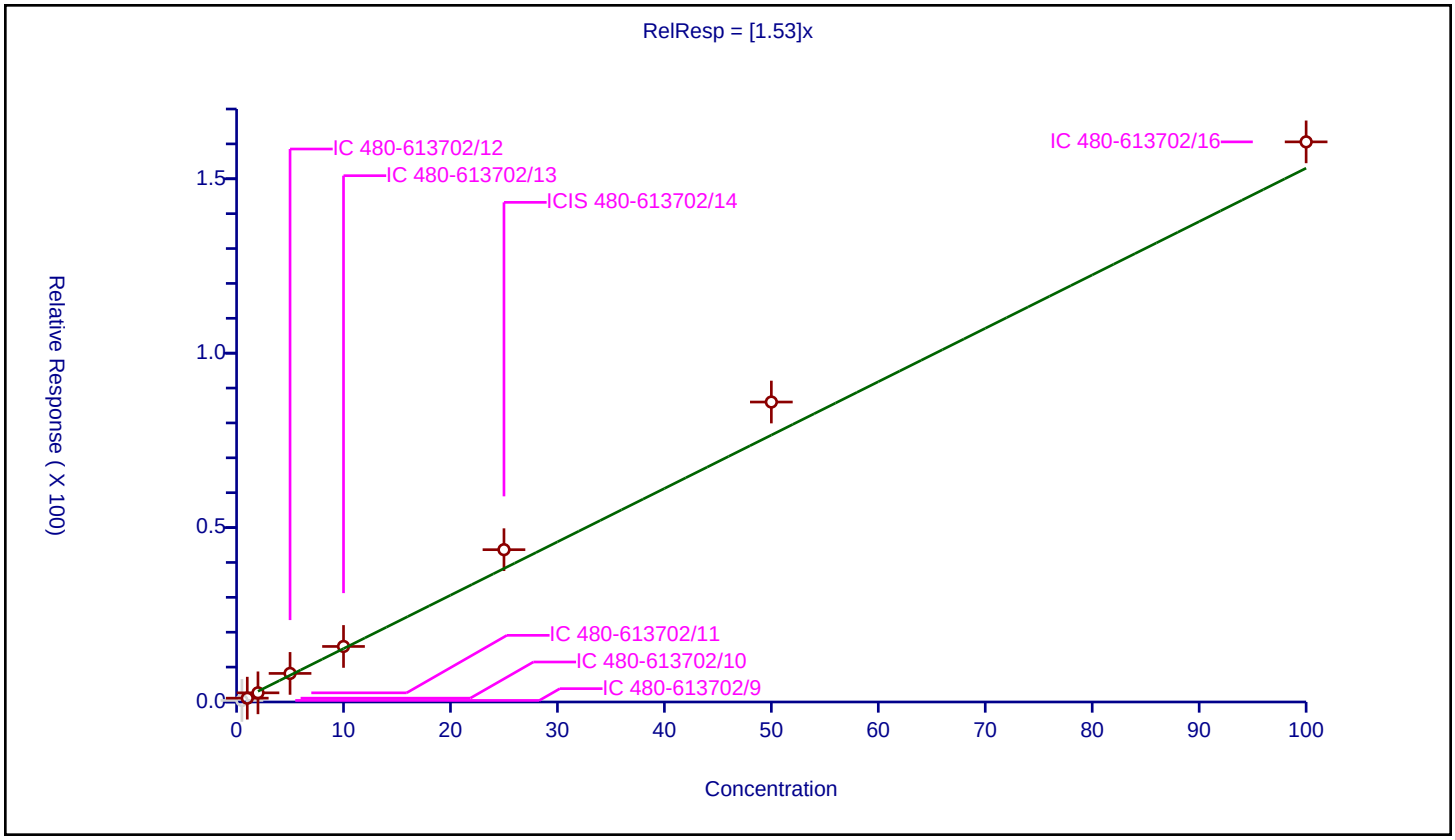
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Standard Error:	624000
Relative Standard Error:	15.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.448657	25.0	193132.0	0.897314	N
2	IC 480-613702/10	1.0	1.095709	25.0	204411.0	1.095709	Y
3	IC 480-613702/11	2.0	2.626475	25.0	209606.0	1.313238	Y
4	IC 480-613702/12	5.0	8.194596	25.0	192029.0	1.638919	Y
5	IC 480-613702/13	10.0	15.921616	25.0	191978.0	1.592162	Y
6	ICIS 480-613702/14	25.0	43.667071	25.0	196931.0	1.746683	Y
7	IC 480-613702/15	50.0	85.99694	25.0	187559.0	1.719939	Y
8	IC 480-613702/16	100.0	160.578947	25.0	208050.0	1.605789	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

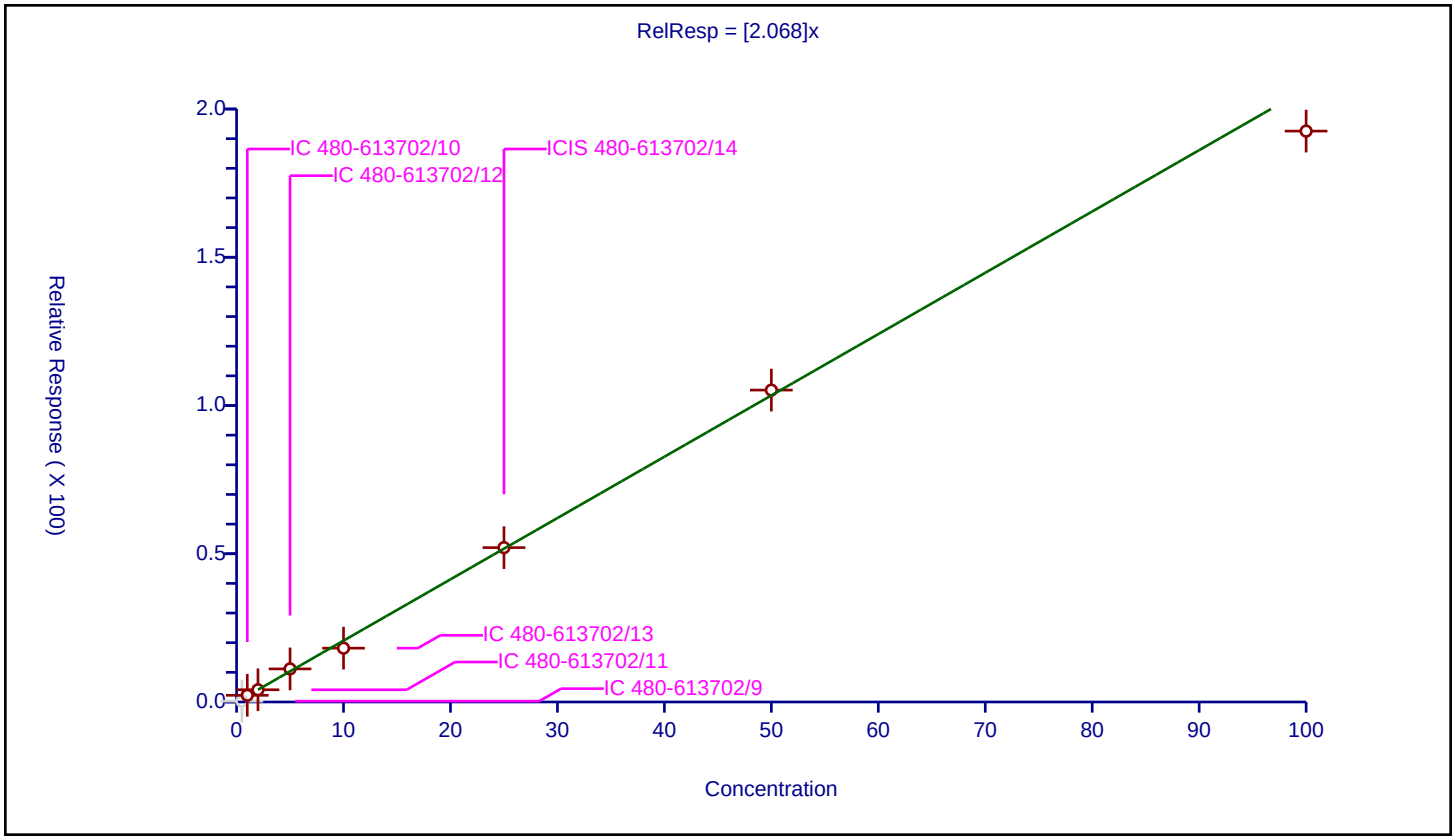
Curve Coefficients

Intercept:	0
Slope:	2.068

Error Coefficients

Standard Error:	751000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.282967	25.0	193132.0	0.565934	N
2	IC 480-613702/10	1.0	2.255749	25.0	204411.0	2.255749	Y
3	IC 480-613702/11	2.0	4.122854	25.0	209606.0	2.061427	Y
4	IC 480-613702/12	5.0	11.15769	25.0	192029.0	2.231538	Y
5	IC 480-613702/13	10.0	18.15195	25.0	191978.0	1.815195	Y
6	ICIS 480-613702/14	25.0	52.063286	25.0	196931.0	2.082531	Y
7	IC 480-613702/15	50.0	105.196365	25.0	187559.0	2.103927	Y
8	IC 480-613702/16	100.0	192.556236	25.0	208050.0	1.925562	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

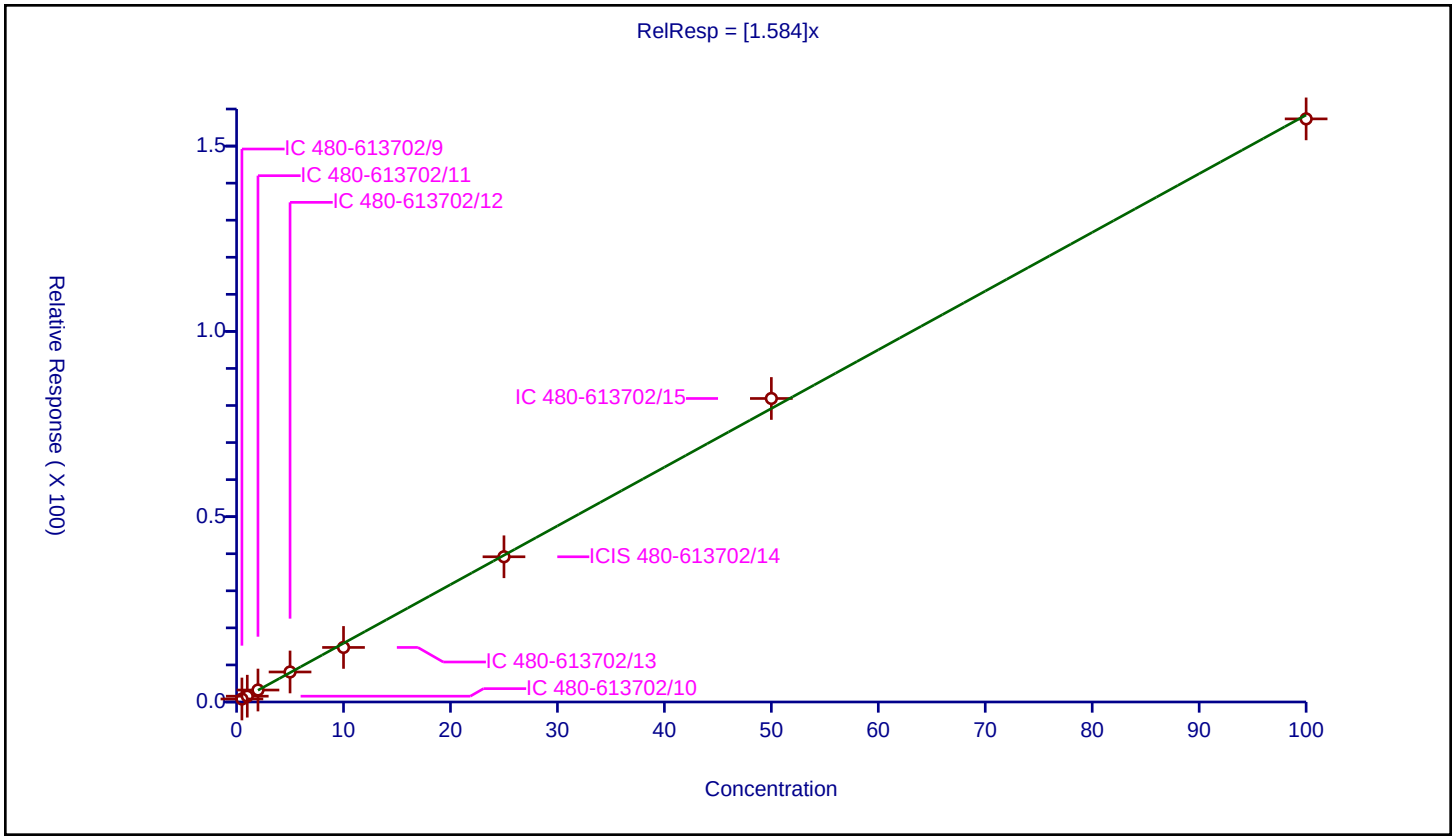
Curve Coefficients

Intercept:	0
Slope:	1.584

Error Coefficients

Standard Error:	561000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.811751	25.0	193132.0	1.623501	Y
2	IC 480-613702/10	1.0	1.561804	25.0	204411.0	1.561804	Y
3	IC 480-613702/11	2.0	3.22975	25.0	209606.0	1.614875	Y
4	IC 480-613702/12	5.0	8.100599	25.0	192029.0	1.62012	Y
5	IC 480-613702/13	10.0	14.714707	25.0	191978.0	1.471471	Y
6	ICIS 480-613702/14	25.0	39.185045	25.0	196931.0	1.567402	Y
7	IC 480-613702/15	50.0	81.89623	25.0	187559.0	1.637925	Y
8	IC 480-613702/16	100.0	157.335136	25.0	208050.0	1.573351	Y



Calibration / Acrolein

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

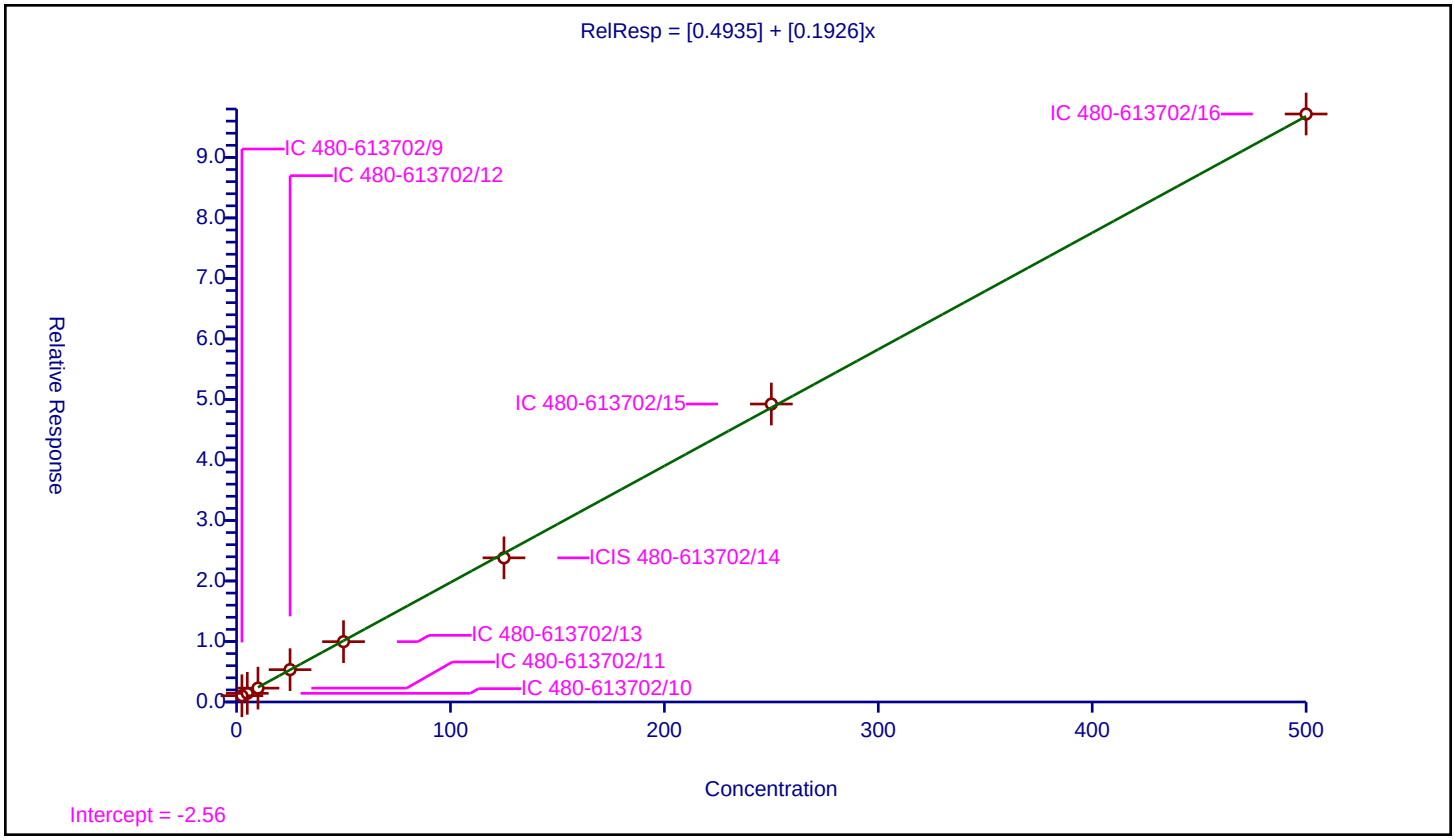
Curve Coefficients

Intercept:	0.4935
Slope:	0.1926

Error Coefficients

Standard Error:	373000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	2.5	1.033361	25.0	193132.0	0.413344	Y
2	IC 480-613702/10	5.0	1.428372	25.0	204411.0	0.285674	Y
3	IC 480-613702/11	10.0	2.288102	25.0	209606.0	0.22881	Y
4	IC 480-613702/12	25.0	5.344896	25.0	192029.0	0.213796	Y
5	IC 480-613702/13	50.0	9.970804	25.0	191978.0	0.199416	Y
6	ICIS 480-613702/14	125.0	23.822176	25.0	196931.0	0.190577	Y
7	IC 480-613702/15	250.0	49.241439	25.0	187559.0	0.196966	Y
8	IC 480-613702/16	500.0	97.175559	25.0	208050.0	0.194351	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

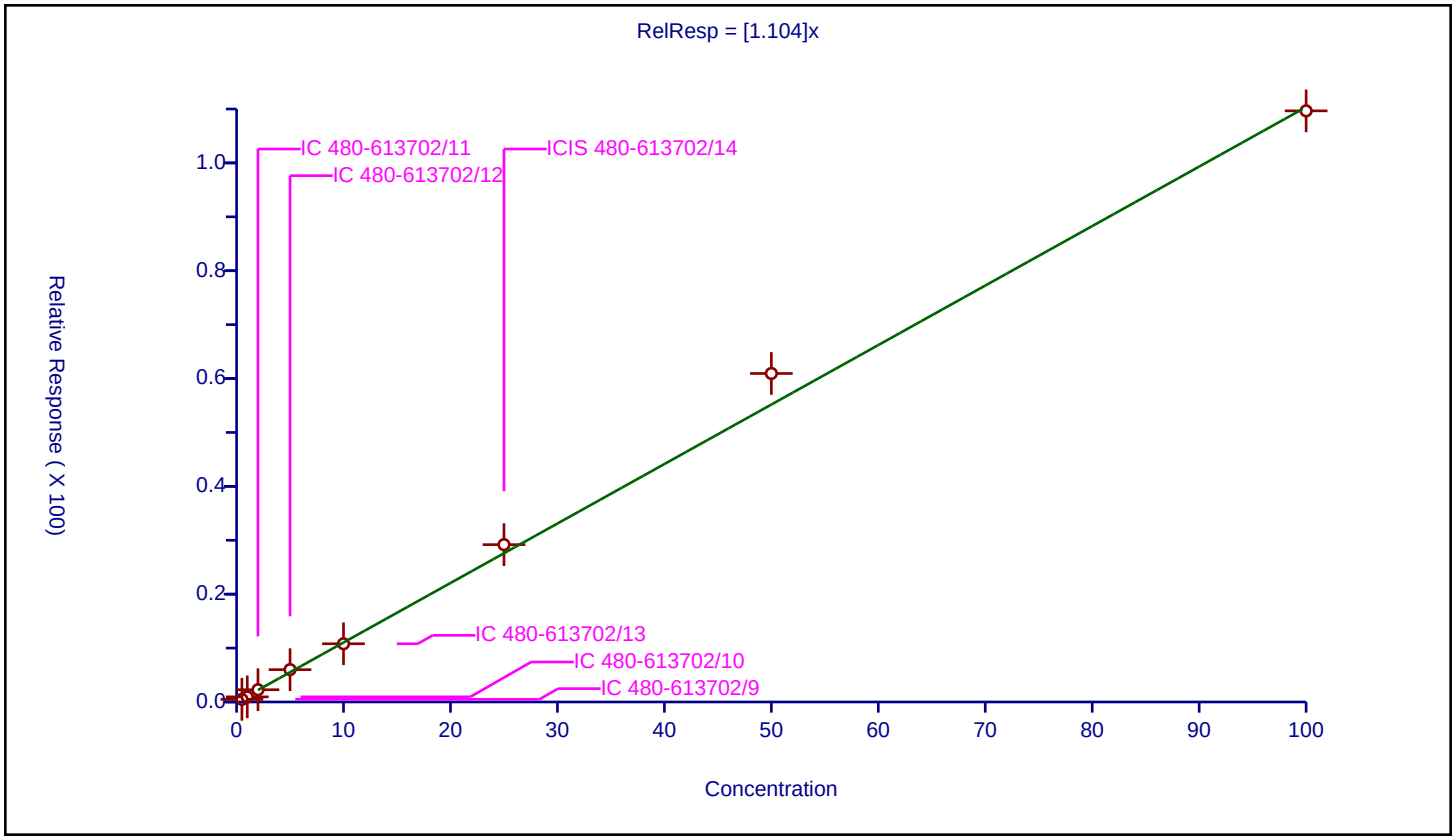
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Standard Error:	397000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.488785	25.0	193132.0	0.97757	Y
2	IC 480-613702/10	1.0	0.952126	25.0	204411.0	0.952126	Y
3	IC 480-613702/11	2.0	2.270927	25.0	209606.0	1.135464	Y
4	IC 480-613702/12	5.0	6.000396	25.0	192029.0	1.200079	Y
5	IC 480-613702/13	10.0	10.801107	25.0	191978.0	1.080111	Y
6	ICIS 480-613702/14	25.0	29.186746	25.0	196931.0	1.16747	Y
7	IC 480-613702/15	50.0	60.941224	25.0	187559.0	1.218824	Y
8	IC 480-613702/16	100.0	109.658616	25.0	208050.0	1.096586	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

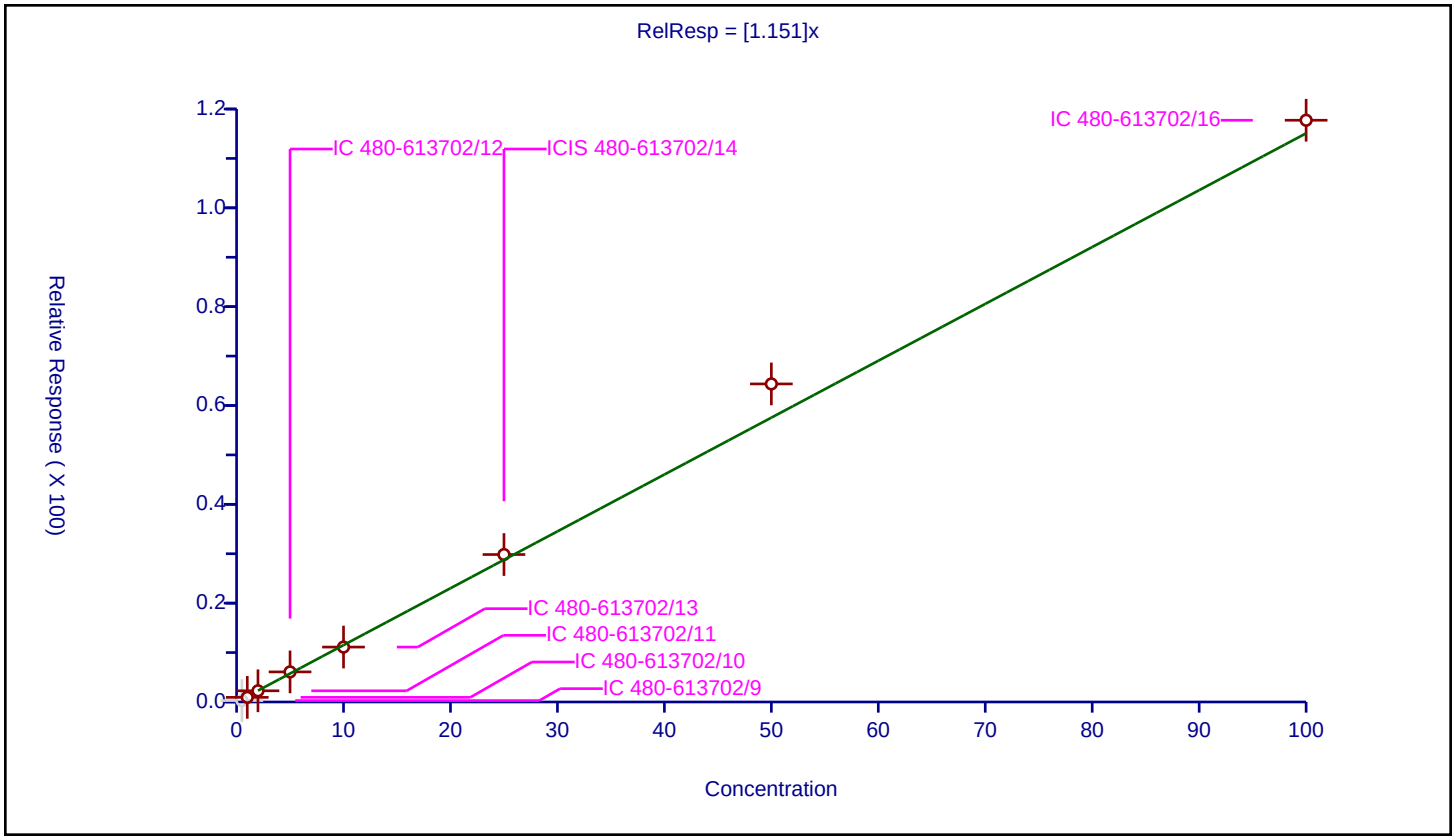
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	458000
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 480-613702/9	0.5	0.286333	25.0	193132.0	0.572665	N
2	IC 480-613702/10	1.0	0.937572	25.0	204411.0	0.937572	Y
3	IC 480-613702/11	2.0	2.261147	25.0	209606.0	1.130574	Y
4	IC 480-613702/12	5.0	6.091267	25.0	192029.0	1.218253	Y
5	IC 480-613702/13	10.0	11.11195	25.0	191978.0	1.111195	Y
6	ICIS 480-613702/14	25.0	29.839005	25.0	196931.0	1.19356	Y
7	IC 480-613702/15	50.0	64.365213	25.0	187559.0	1.287304	Y
8	IC 480-613702/16	100.0	117.729873	25.0	208050.0	1.177299	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

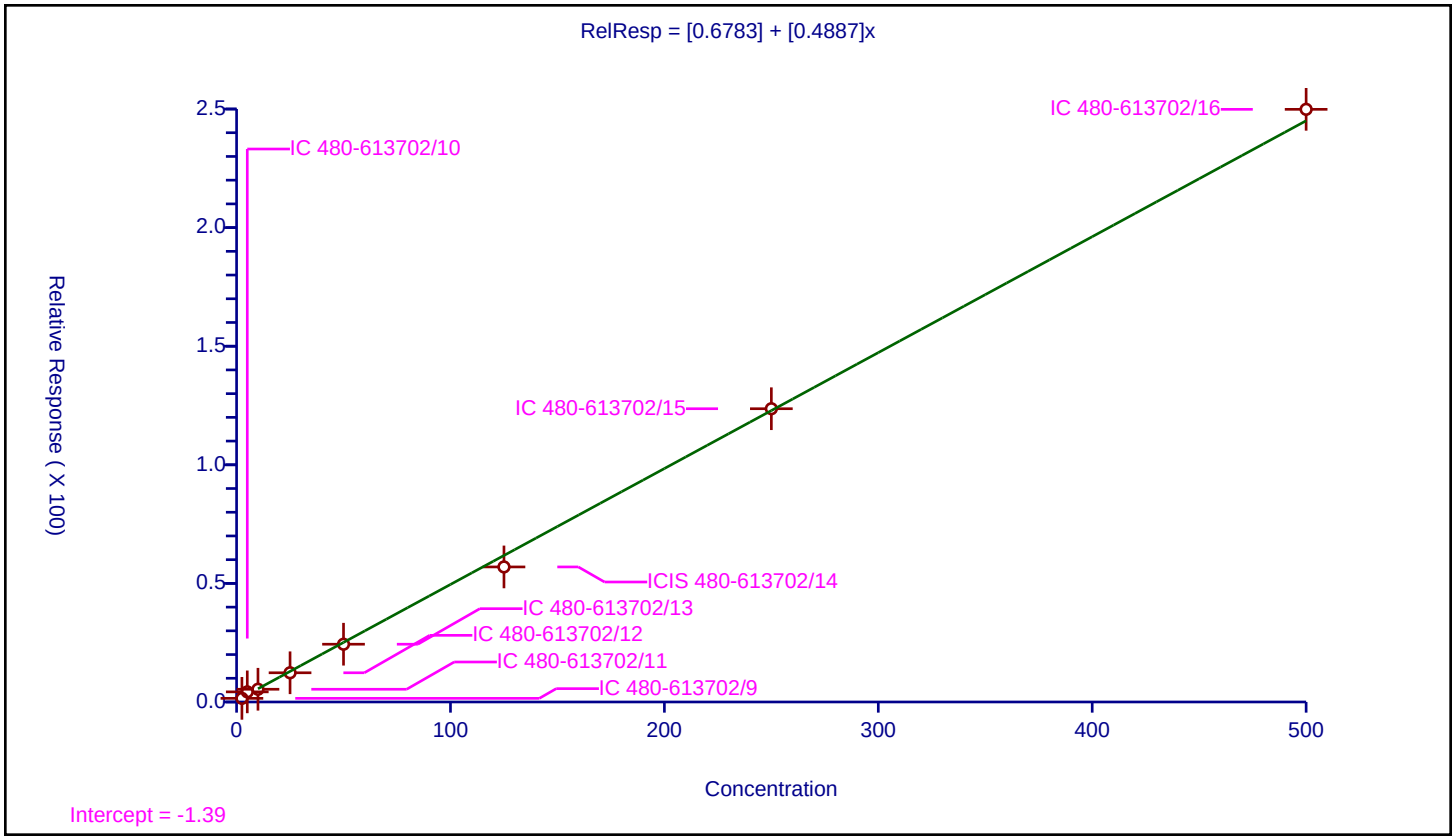
Curve Coefficients

Intercept:	0.6783
Slope:	0.4887

Error Coefficients

Standard Error:	951000
Relative Standard Error:	23.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	2.5	1.538456	25.0	193132.0	0.615382	Y
2	IC 480-613702/10	5.0	4.266894	25.0	204411.0	0.853379	Y
3	IC 480-613702/11	10.0	5.366616	25.0	209606.0	0.536662	Y
4	IC 480-613702/12	25.0	12.314286	25.0	192029.0	0.492571	Y
5	IC 480-613702/13	50.0	24.357218	25.0	191978.0	0.487144	Y
6	ICIS 480-613702/14	125.0	56.933774	25.0	196931.0	0.45547	Y
7	IC 480-613702/15	250.0	123.637762	25.0	187559.0	0.494551	Y
8	IC 480-613702/16	500.0	249.865657	25.0	208050.0	0.499731	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

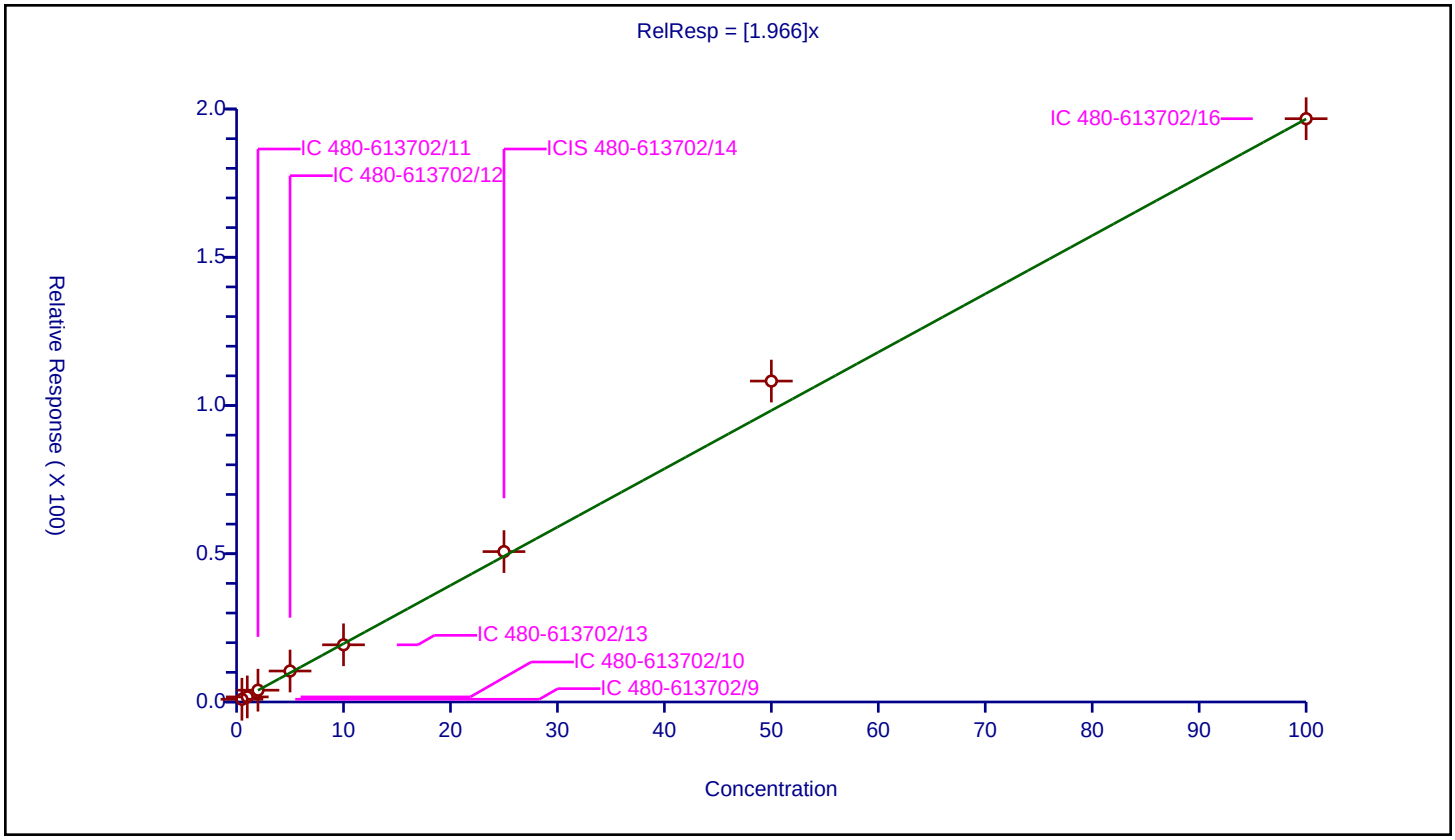
Curve Coefficients

Intercept:	0
Slope:	1.966

Error Coefficients

Standard Error:	710000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.924109	25.0	193132.0	1.848218	Y
2	IC 480-613702/10	1.0	1.71505	25.0	204411.0	1.71505	Y
3	IC 480-613702/11	2.0	3.978894	25.0	209606.0	1.989447	Y
4	IC 480-613702/12	5.0	10.443084	25.0	192029.0	2.088617	Y
5	IC 480-613702/13	10.0	19.285022	25.0	191978.0	1.928502	Y
6	ICIS 480-613702/14	25.0	50.719922	25.0	196931.0	2.028797	Y
7	IC 480-613702/15	50.0	108.24114	25.0	187559.0	2.164823	Y
8	IC 480-613702/16	100.0	196.733357	25.0	208050.0	1.967334	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

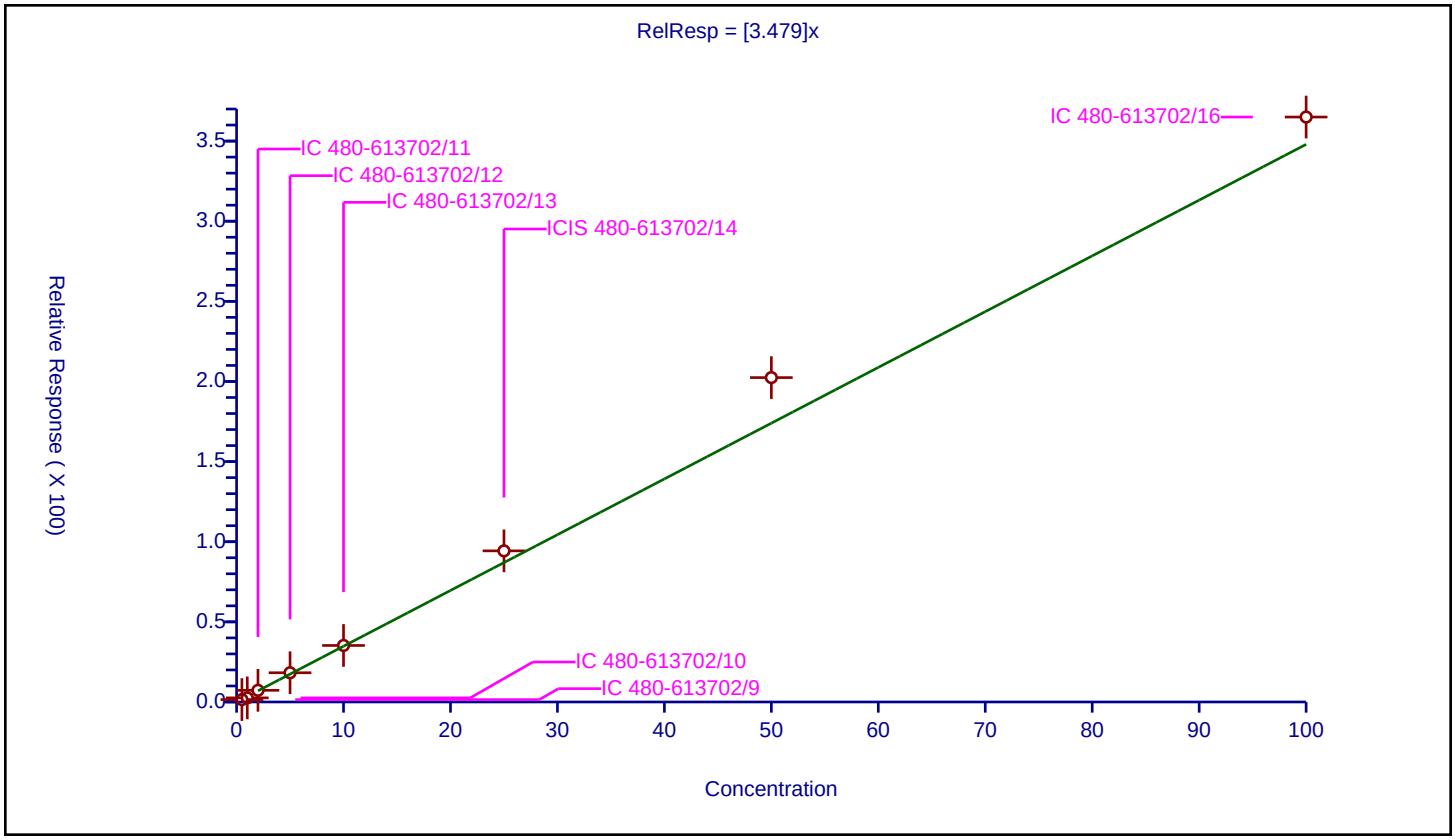
Curve Coefficients

Intercept:	0
Slope:	3.479

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.494056	25.0	193132.0	2.988112	Y
2	IC 480-613702/10	1.0	2.565175	25.0	204411.0	2.565175	Y
3	IC 480-613702/11	2.0	7.273289	25.0	209606.0	3.636644	Y
4	IC 480-613702/12	5.0	18.243208	25.0	192029.0	3.648642	Y
5	IC 480-613702/13	10.0	35.266541	25.0	191978.0	3.526654	Y
6	ICIS 480-613702/14	25.0	94.300669	25.0	196931.0	3.772027	Y
7	IC 480-613702/15	50.0	202.412174	25.0	187559.0	4.048243	Y
8	IC 480-613702/16	100.0	364.994833	25.0	208050.0	3.649948	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

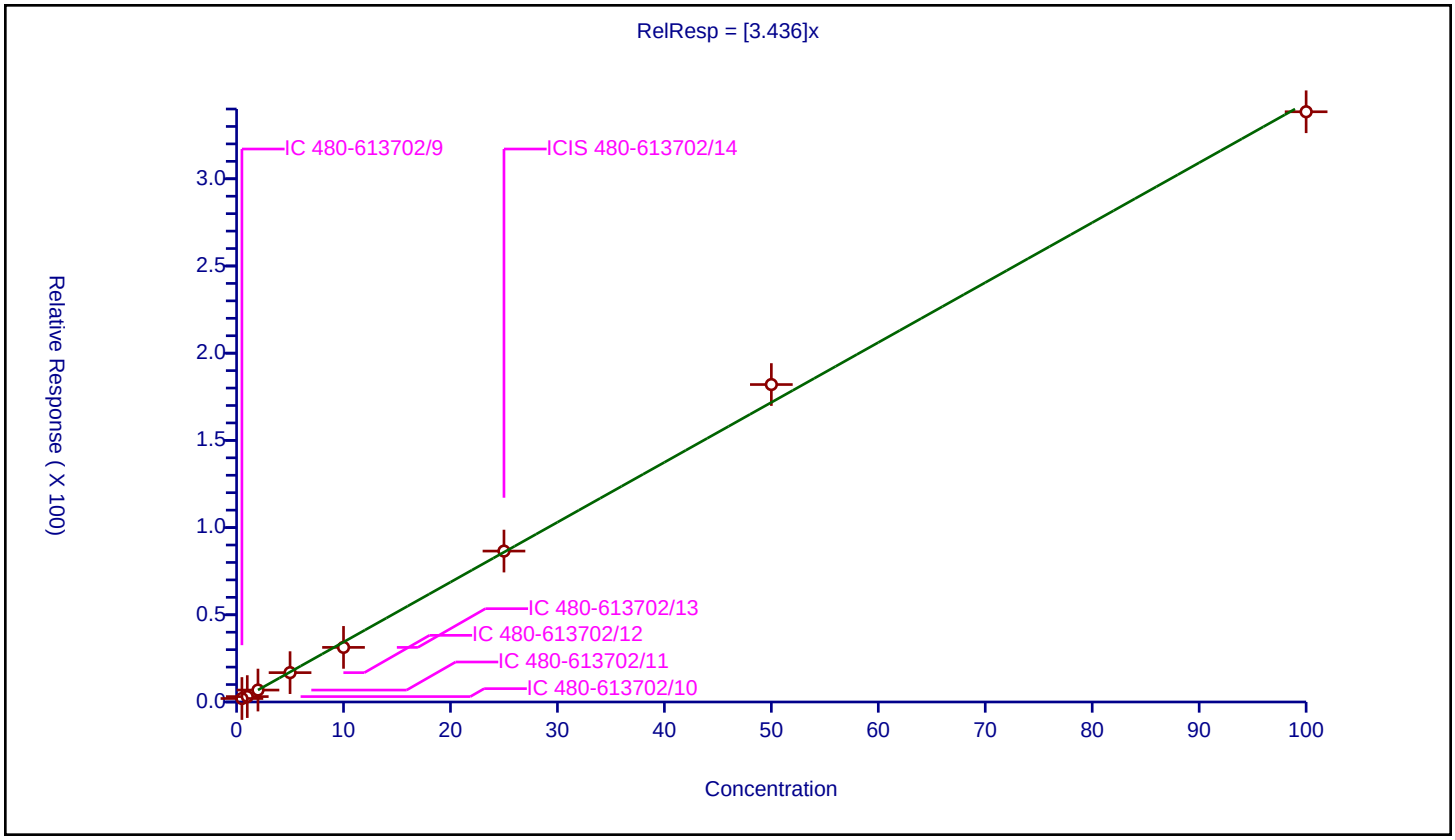
Curve Coefficients

Intercept:	0
Slope:	3.436

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.993585	25.0	193132.0	3.987169	Y
2	IC 480-613702/10	1.0	3.097925	25.0	204411.0	3.097925	Y
3	IC 480-613702/11	2.0	6.839022	25.0	209606.0	3.419511	Y
4	IC 480-613702/12	5.0	16.821157	25.0	192029.0	3.364231	Y
5	IC 480-613702/13	10.0	31.29981	25.0	191978.0	3.129981	Y
6	ICIS 480-613702/14	25.0	86.530308	25.0	196931.0	3.461212	Y
7	IC 480-613702/15	50.0	182.014326	25.0	187559.0	3.640287	Y
8	IC 480-613702/16	100.0	338.424898	25.0	208050.0	3.384249	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

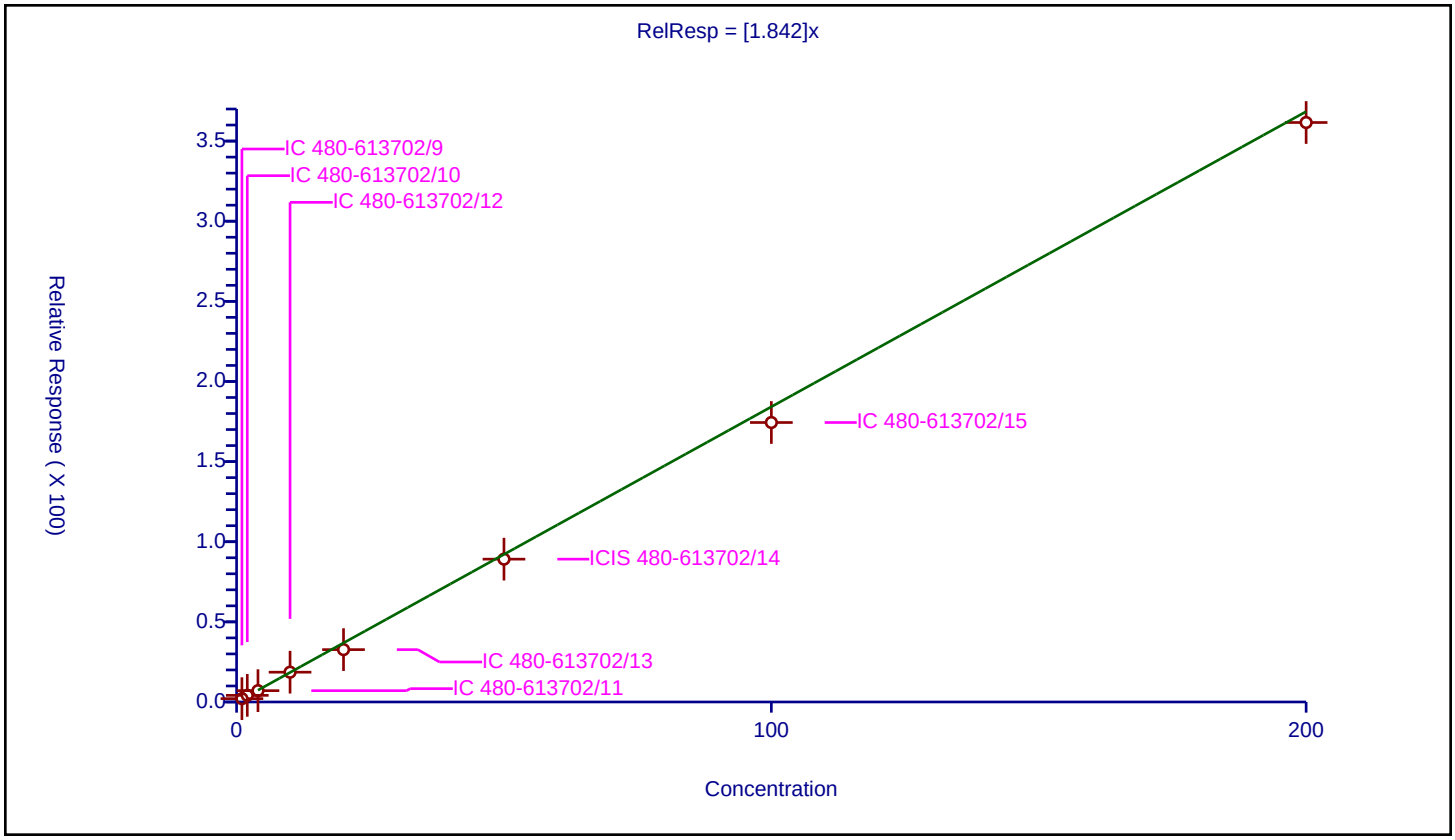
Curve Coefficients

Intercept:	0
Slope:	1.842

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	1.0	2.080572	25.0	193132.0	2.080572	Y
2	IC 480-613702/10	2.0	4.130037	25.0	204411.0	2.065019	Y
3	IC 480-613702/11	4.0	7.055738	25.0	209606.0	1.763934	Y
4	IC 480-613702/12	10.0	18.587427	25.0	192029.0	1.858743	Y
5	IC 480-613702/13	20.0	32.672624	25.0	191978.0	1.633631	Y
6	ICIS 480-613702/14	50.0	89.132107	25.0	196931.0	1.782642	Y
7	IC 480-613702/15	100.0	174.38526	25.0	187559.0	1.743853	Y
8	IC 480-613702/16	200.0	361.576664	25.0	208050.0	1.807883	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

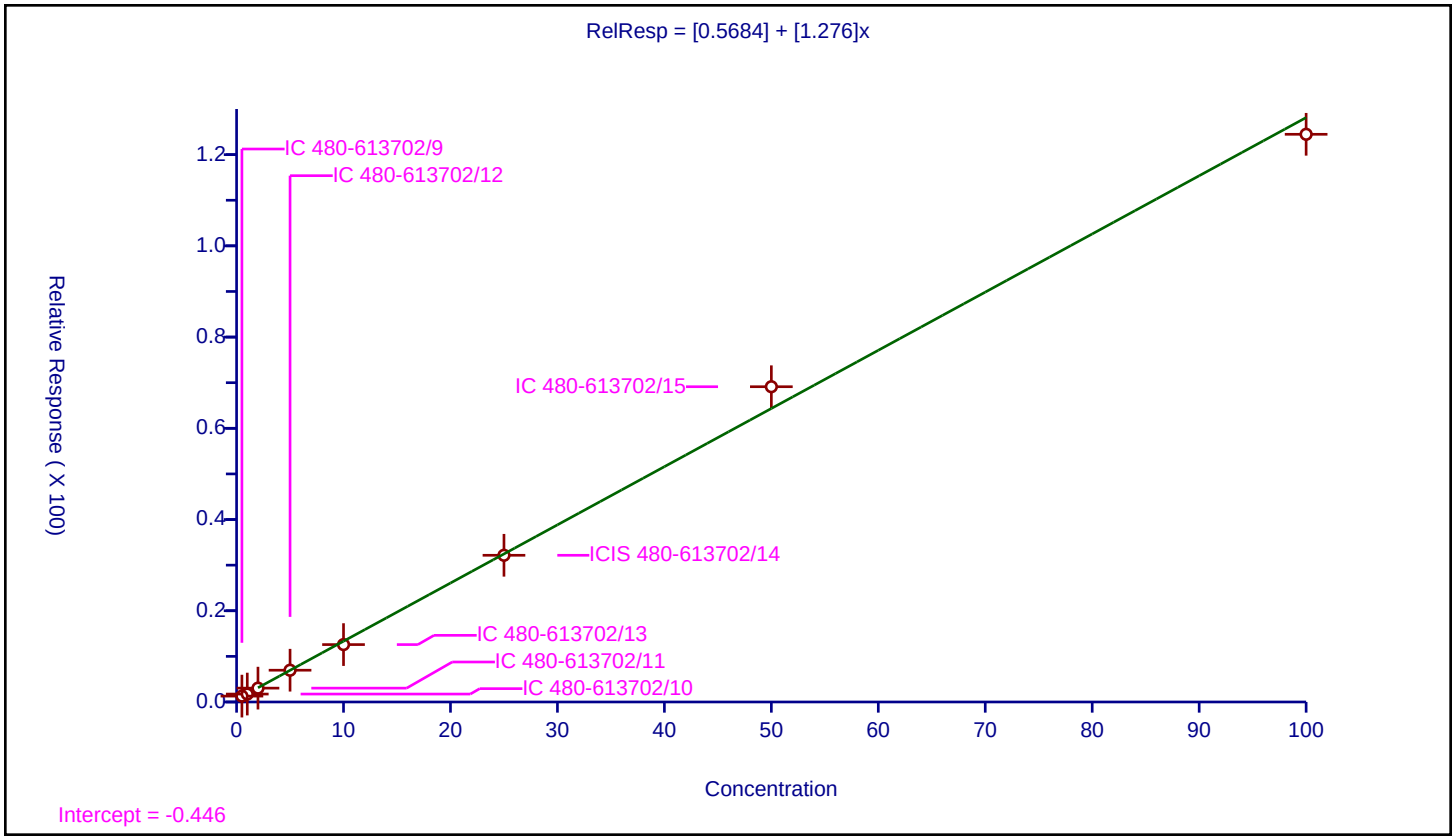
Curve Coefficients

Intercept:	0.5684
Slope:	1.276

Error Coefficients

Standard Error:	486000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.289274	25.0	193132.0	2.578547	Y
2	IC 480-613702/10	1.0	1.740611	25.0	204411.0	1.740611	Y
3	IC 480-613702/11	2.0	3.039393	25.0	209606.0	1.519696	Y
4	IC 480-613702/12	5.0	6.966266	25.0	192029.0	1.393253	Y
5	IC 480-613702/13	10.0	12.584775	25.0	191978.0	1.258478	Y
6	ICIS 480-613702/14	25.0	32.164184	25.0	196931.0	1.286567	Y
7	IC 480-613702/15	50.0	69.119717	25.0	187559.0	1.382394	Y
8	IC 480-613702/16	100.0	124.459865	25.0	208050.0	1.244599	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

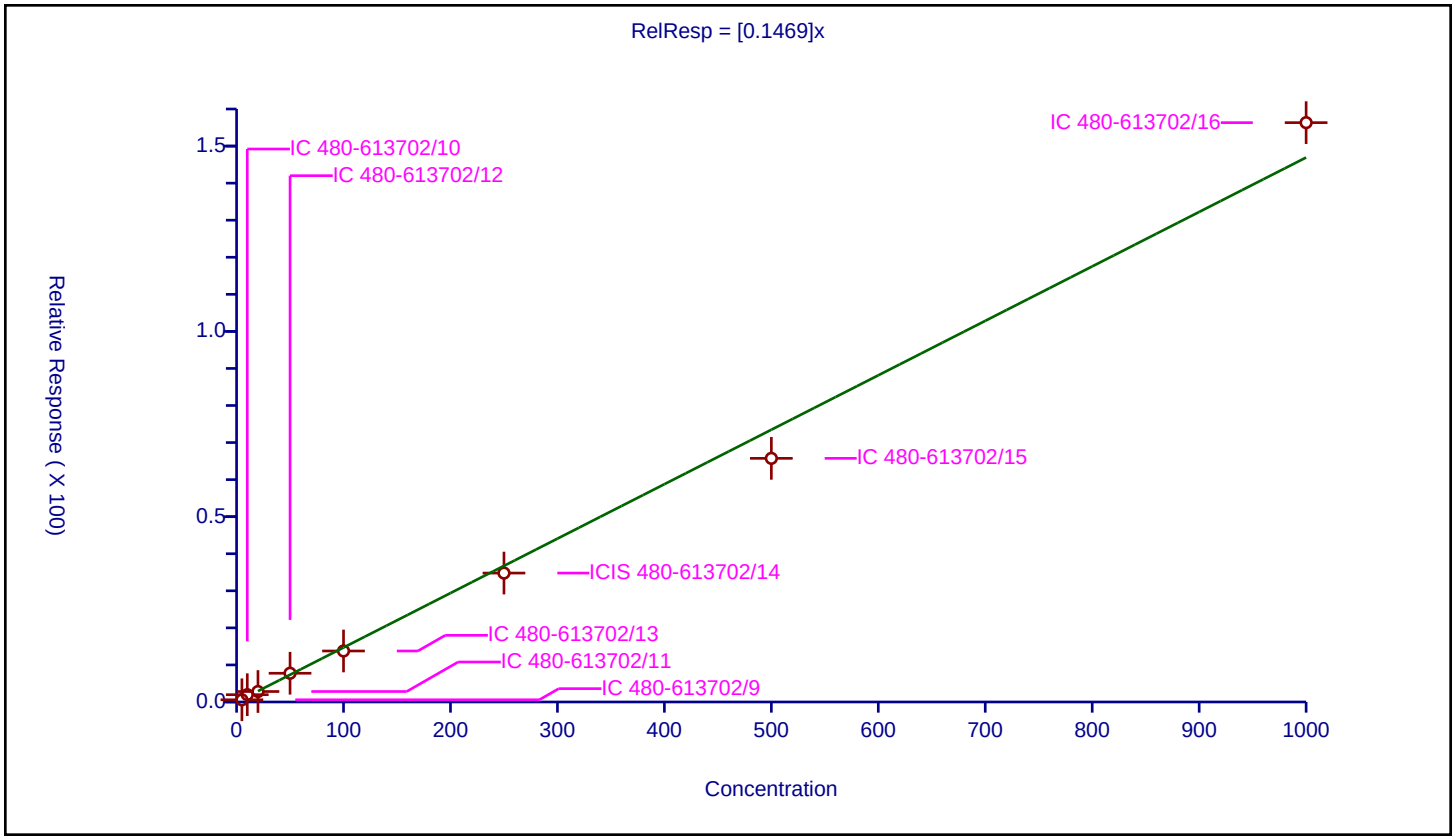
Curve Coefficients

Intercept:	0
Slope:	0.1469

Error Coefficients

Standard Error:	538000
Relative Standard Error:	16.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	5.0	0.590399	25.0	193132.0	0.11808	Y
2	IC 480-613702/10	10.0	1.964425	25.0	204411.0	0.196442	Y
3	IC 480-613702/11	20.0	2.824466	25.0	209606.0	0.141223	Y
4	IC 480-613702/12	50.0	7.753256	25.0	192029.0	0.155065	Y
5	IC 480-613702/13	100.0	13.758087	25.0	191978.0	0.137581	Y
6	ICIS 480-613702/14	250.0	34.786296	25.0	196931.0	0.139145	Y
7	IC 480-613702/15	500.0	65.738248	25.0	187559.0	0.131476	Y
8	IC 480-613702/16	1000.0	156.323119	25.0	208050.0	0.156323	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

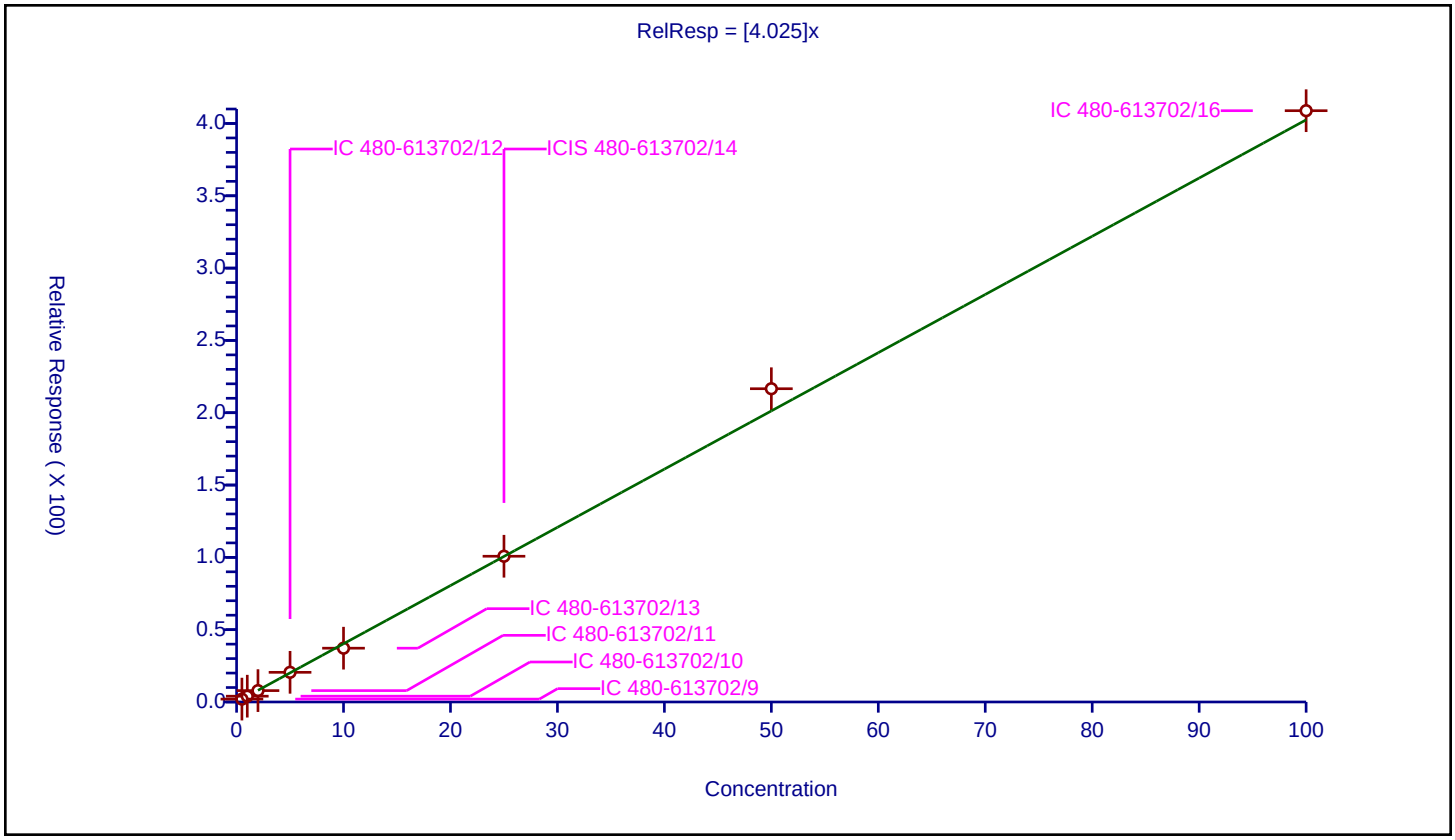
Curve Coefficients

Intercept:	0
Slope:	4.025

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.994232	25.0	193132.0	3.988464	Y
2	IC 480-613702/10	1.0	4.00749	25.0	204411.0	4.00749	Y
3	IC 480-613702/11	2.0	7.859269	25.0	209606.0	3.929635	Y
4	IC 480-613702/12	5.0	20.519297	25.0	192029.0	4.103859	Y
5	IC 480-613702/13	10.0	37.205305	25.0	191978.0	3.72053	Y
6	ICIS 480-613702/14	25.0	100.779588	25.0	196931.0	4.031184	Y
7	IC 480-613702/15	50.0	216.60091	25.0	187559.0	4.332018	Y
8	IC 480-613702/16	100.0	408.837539	25.0	208050.0	4.088375	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

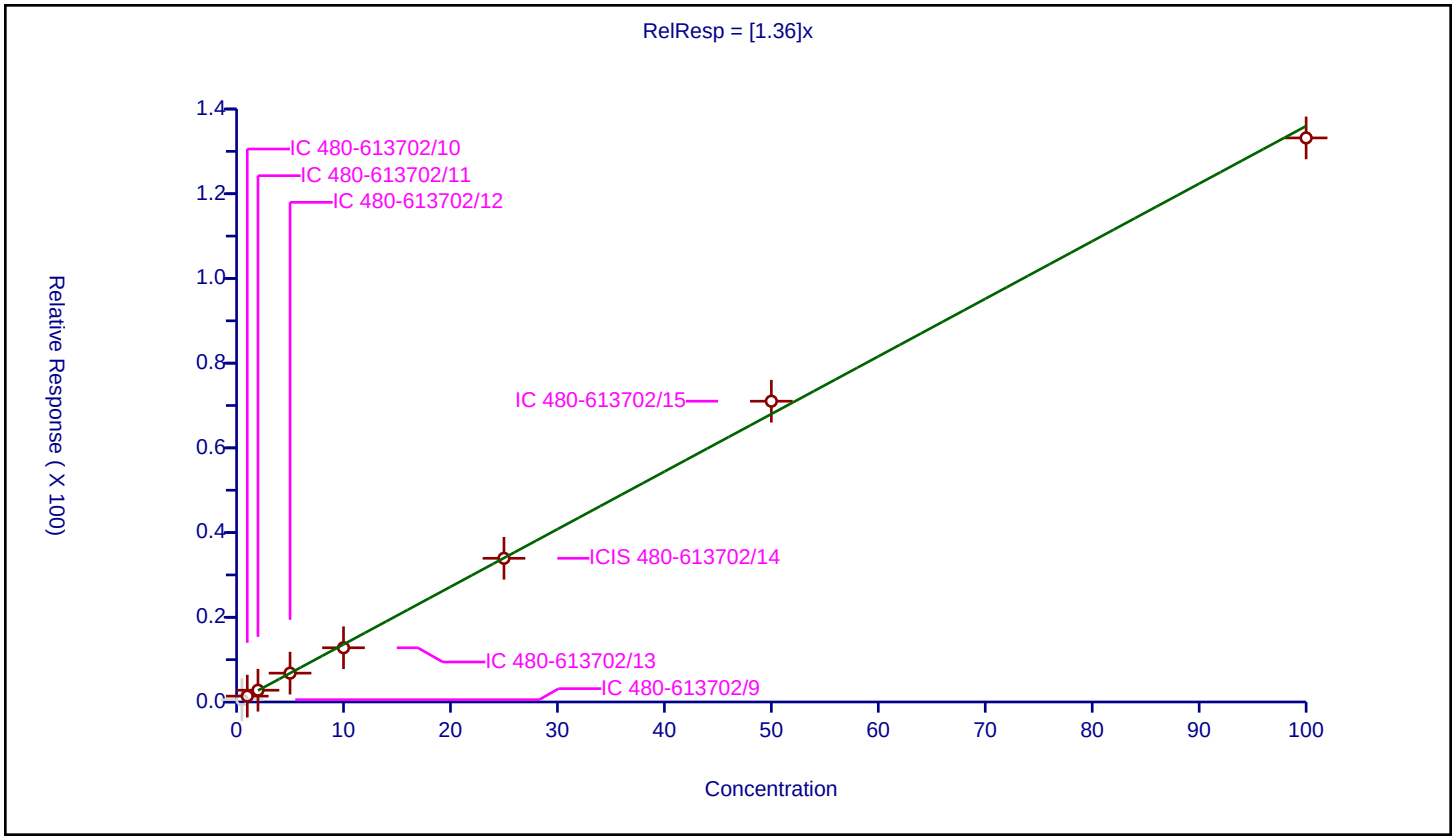
Curve Coefficients

Intercept:	0
Slope:	1.36

Error Coefficients

Standard Error:	516000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.543022	25.0	193132.0	1.086045	N
2	IC 480-613702/10	1.0	1.379207	25.0	204411.0	1.379207	Y
3	IC 480-613702/11	2.0	2.777115	25.0	209606.0	1.388558	Y
4	IC 480-613702/12	5.0	6.806133	25.0	192029.0	1.361227	Y
5	IC 480-613702/13	10.0	12.805894	25.0	191978.0	1.280589	Y
6	ICIS 480-613702/14	25.0	33.922541	25.0	196931.0	1.356902	Y
7	IC 480-613702/15	50.0	71.014721	25.0	187559.0	1.420294	Y
8	IC 480-613702/16	100.0	133.173035	25.0	208050.0	1.33173	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

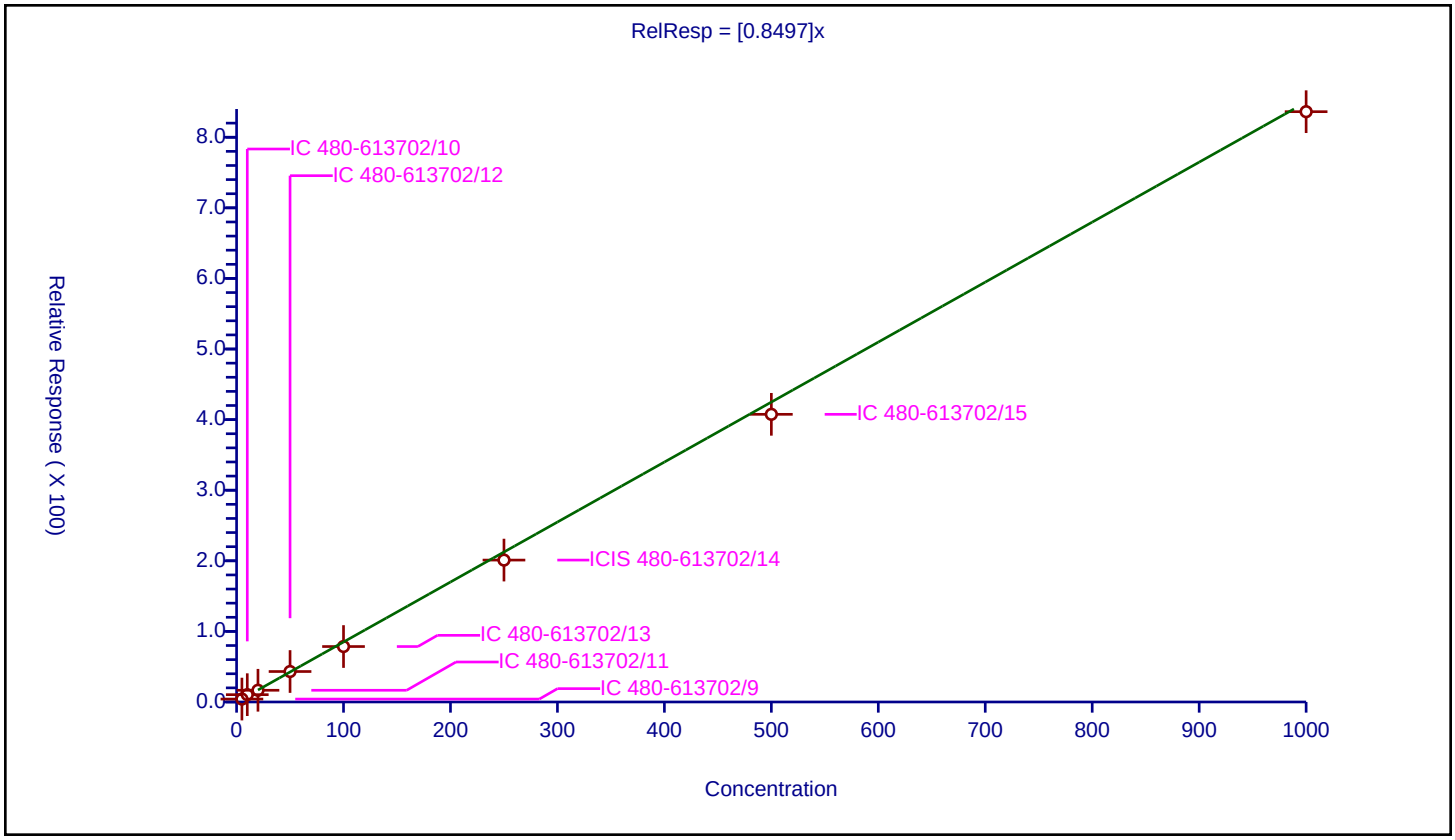
Curve Coefficients

Intercept:	0
Slope:	0.8497

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	5.0	4.134996	25.0	193132.0	0.826999	Y
2	IC 480-613702/10	10.0	10.367104	25.0	204411.0	1.03671	Y
3	IC 480-613702/11	20.0	16.594587	25.0	209606.0	0.829729	Y
4	IC 480-613702/12	50.0	43.153378	25.0	192029.0	0.863068	Y
5	IC 480-613702/13	100.0	78.547802	25.0	191978.0	0.785478	Y
6	ICIS 480-613702/14	250.0	201.033484	25.0	196931.0	0.804134	Y
7	IC 480-613702/15	500.0	407.510037	25.0	187559.0	0.81502	Y
8	IC 480-613702/16	1000.0	836.226989	25.0	208050.0	0.836227	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

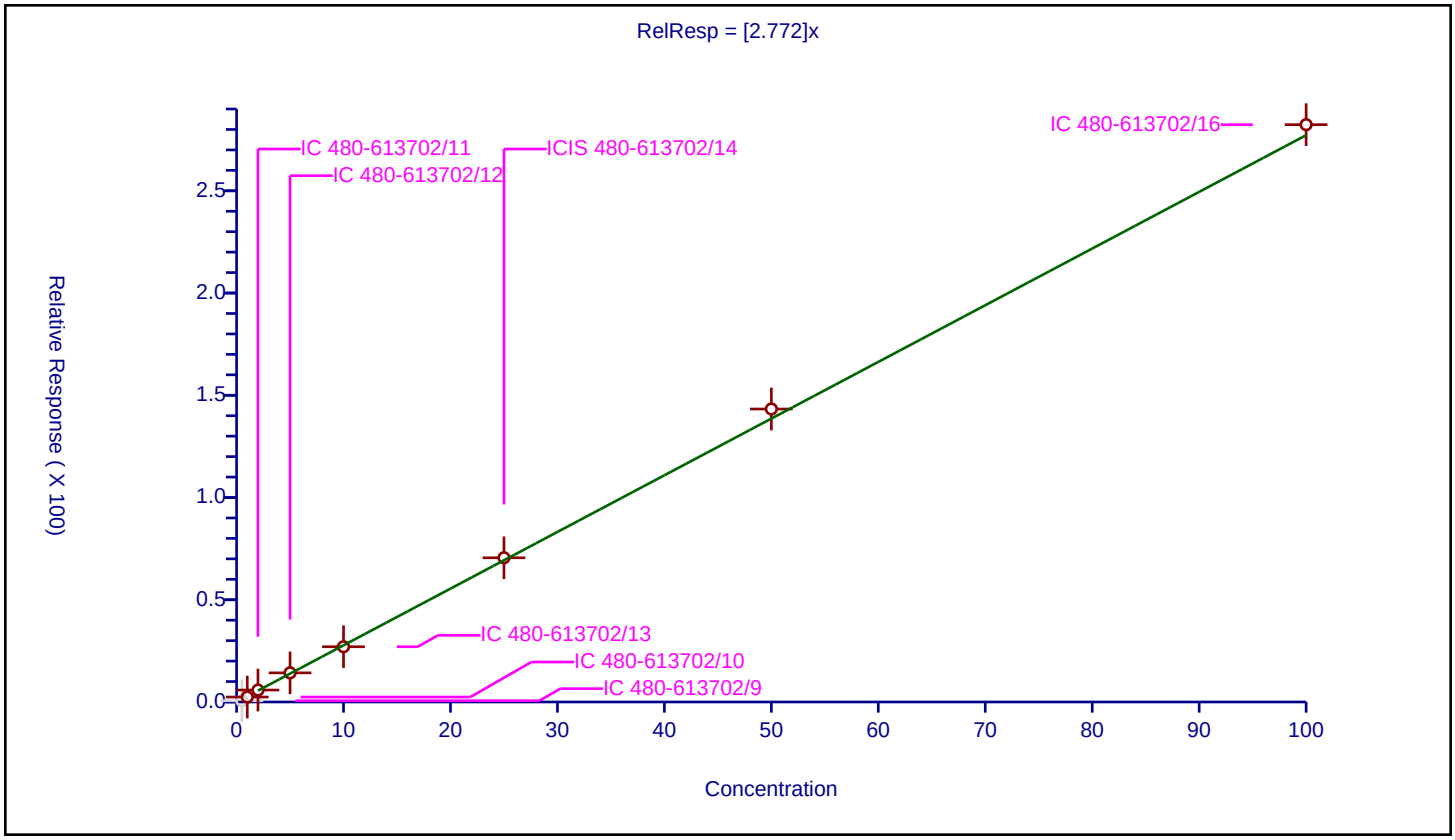
Curve Coefficients

Intercept:	0
Slope:	2.772

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.616288	25.0	193132.0	1.232577	N
2	IC 480-613702/10	1.0	2.424772	25.0	204411.0	2.424772	Y
3	IC 480-613702/11	2.0	5.834757	25.0	209606.0	2.917378	Y
4	IC 480-613702/12	5.0	14.246806	25.0	192029.0	2.849361	Y
5	IC 480-613702/13	10.0	27.015335	25.0	191978.0	2.701534	Y
6	ICIS 480-613702/14	25.0	70.526733	25.0	196931.0	2.821069	Y
7	IC 480-613702/15	50.0	143.283847	25.0	187559.0	2.865677	Y
8	IC 480-613702/16	100.0	282.344268	25.0	208050.0	2.823443	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

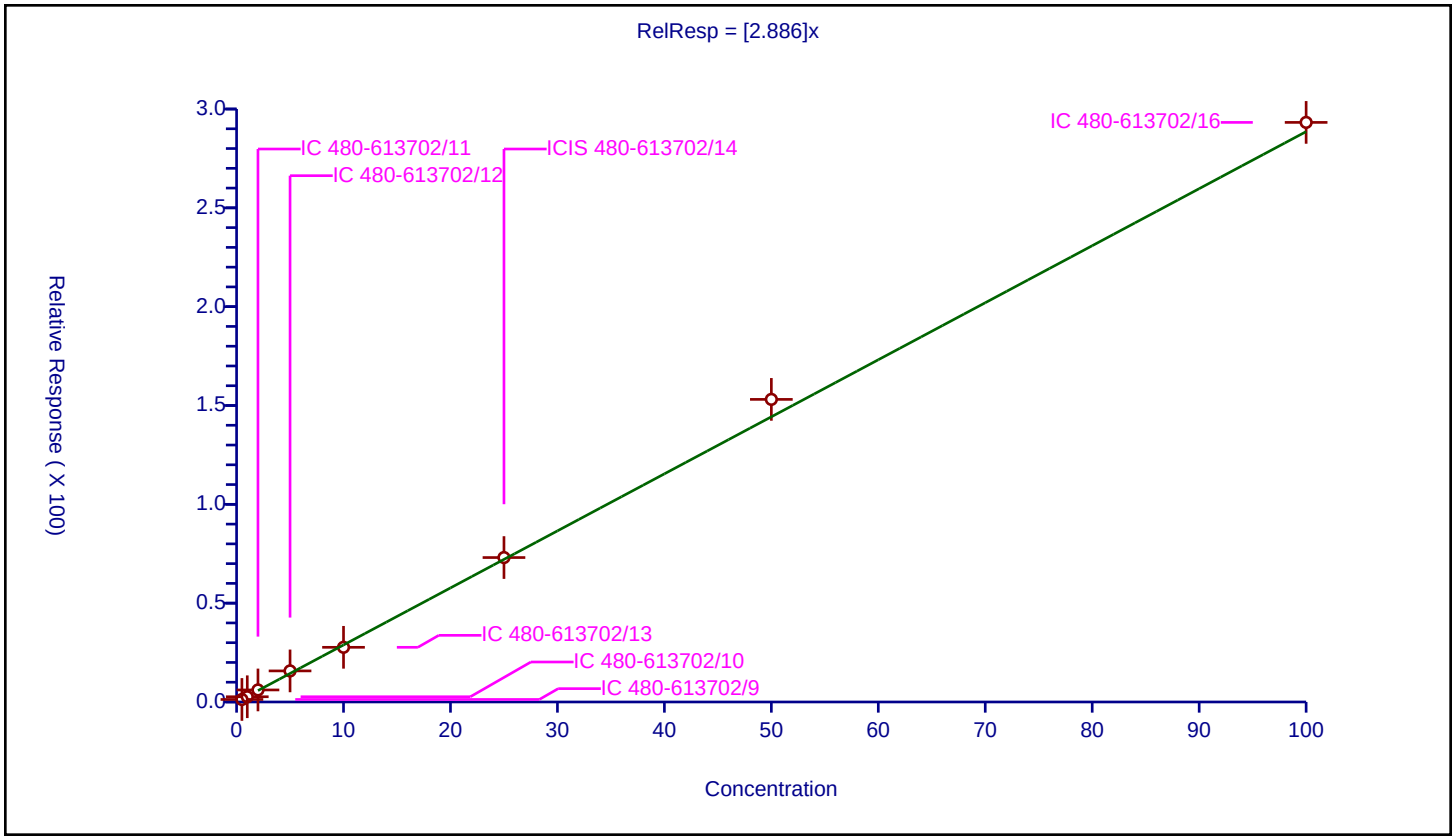
Curve Coefficients

Intercept:	0
Slope:	2.886

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.277494	25.0	193132.0	2.554988	Y
2	IC 480-613702/10	1.0	2.653844	25.0	204411.0	2.653844	Y
3	IC 480-613702/11	2.0	6.095126	25.0	209606.0	3.047563	Y
4	IC 480-613702/12	5.0	15.723406	25.0	192029.0	3.144681	Y
5	IC 480-613702/13	10.0	27.664107	25.0	191978.0	2.766411	Y
6	ICIS 480-613702/14	25.0	73.076357	25.0	196931.0	2.923054	Y
7	IC 480-613702/15	50.0	153.091694	25.0	187559.0	3.061834	Y
8	IC 480-613702/16	100.0	293.222182	25.0	208050.0	2.932222	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

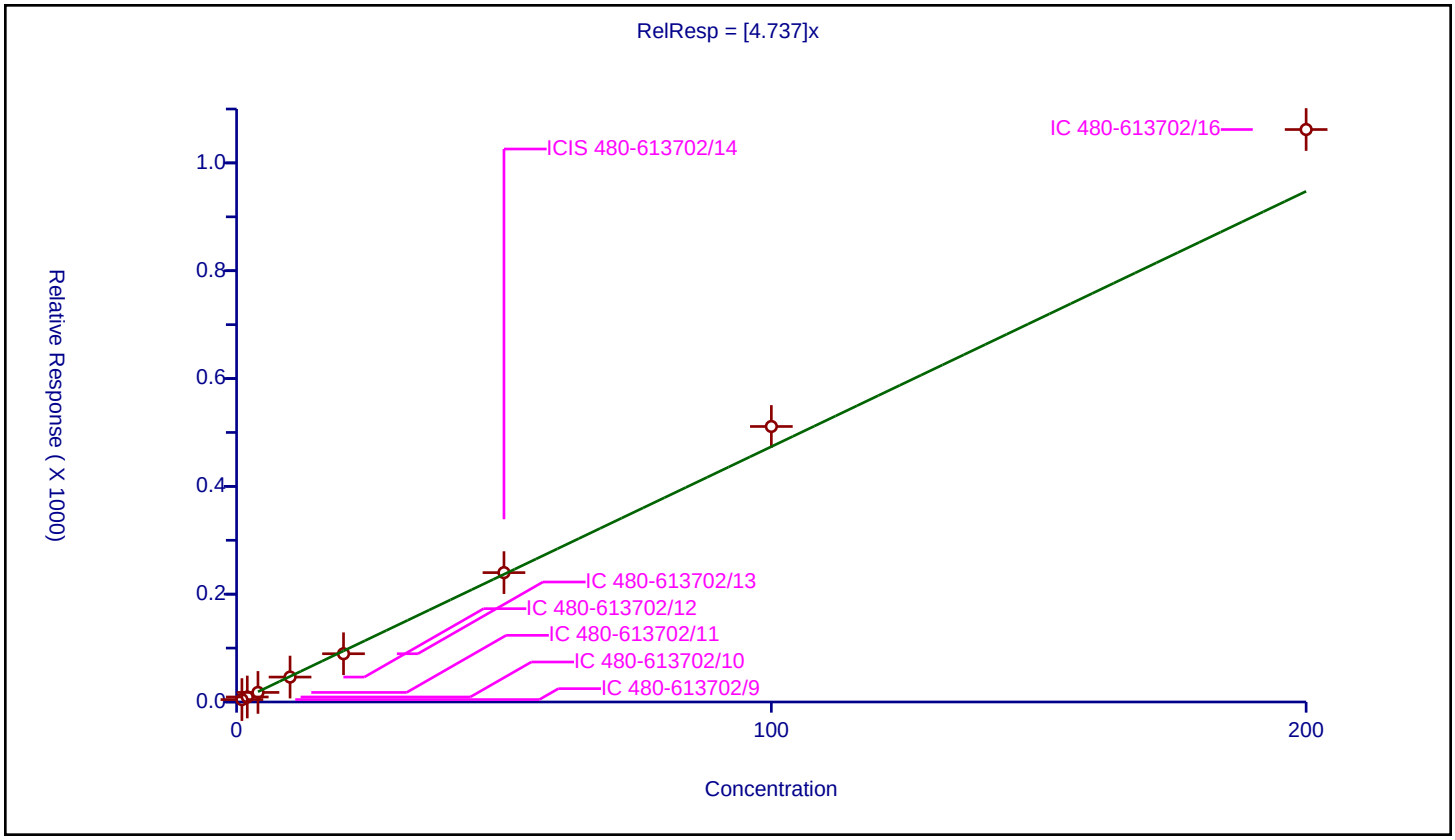
Curve Coefficients

Intercept:	0
Slope:	4.737

Error Coefficients

Standard Error:	3720000
Relative Standard Error:	6.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	1.0	4.50029	25.0	193132.0	4.50029	Y
2	IC 480-613702/10	2.0	9.27274	25.0	204411.0	4.63637	Y
3	IC 480-613702/11	4.0	17.751639	25.0	209606.0	4.43791	Y
4	IC 480-613702/12	10.0	46.23937	25.0	192029.0	4.623937	Y
5	IC 480-613702/13	20.0	89.491765	25.0	191978.0	4.474588	Y
6	ICIS 480-613702/14	50.0	239.979612	25.0	196931.0	4.799592	Y
7	IC 480-613702/15	100.0	511.057054	25.0	187559.0	5.110571	Y
8	IC 480-613702/16	200.0	1061.94148	25.0	208050.0	5.309707	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

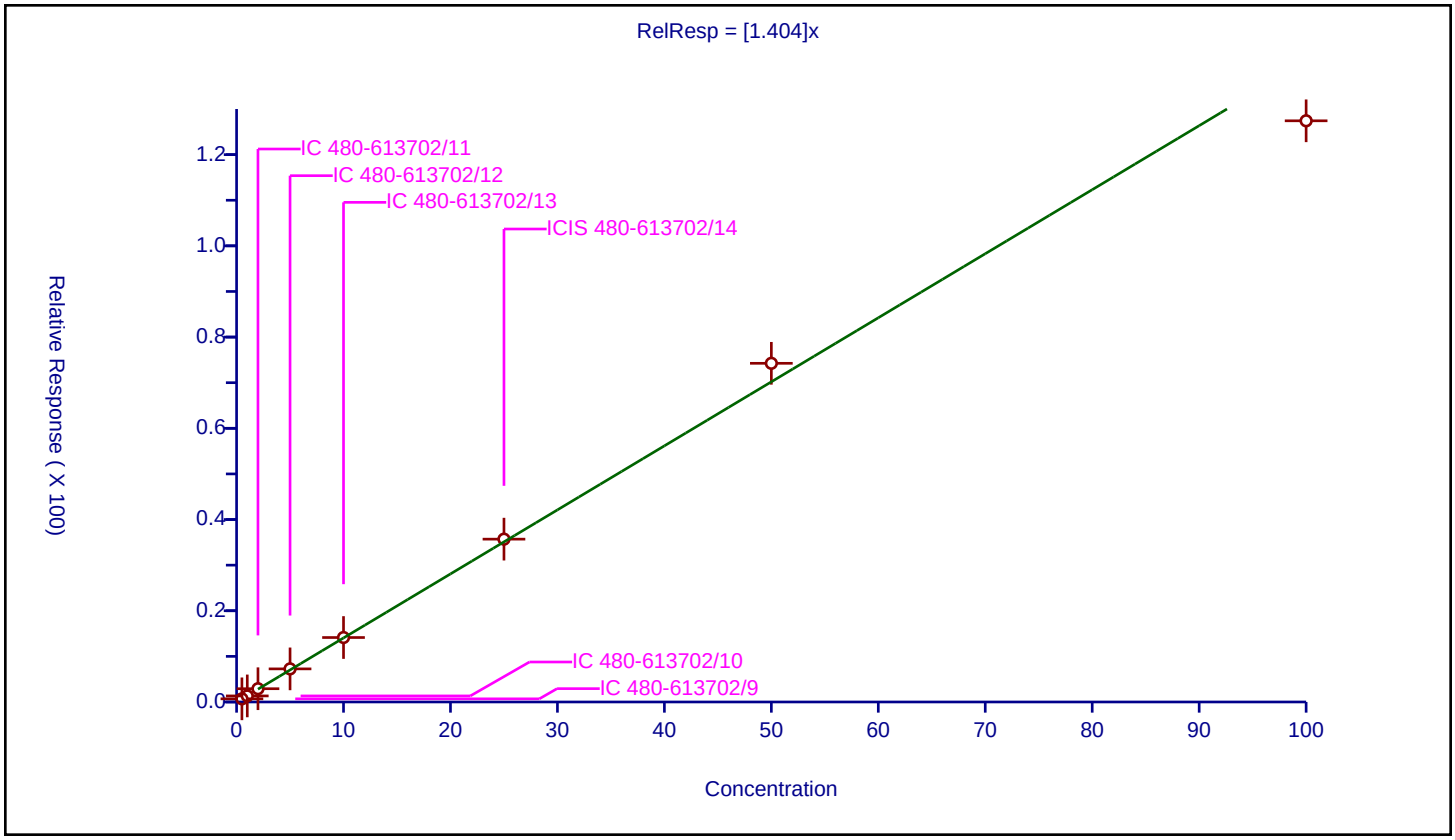
Curve Coefficients

Intercept:	0
Slope:	1.404

Error Coefficients

Standard Error:	467000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.69512	25.0	193132.0	1.390241	Y
2	IC 480-613702/10	1.0	1.332609	25.0	204411.0	1.332609	Y
3	IC 480-613702/11	2.0	2.91058	25.0	209606.0	1.45529	Y
4	IC 480-613702/12	5.0	7.260882	25.0	192029.0	1.452176	Y
5	IC 480-613702/13	10.0	14.133911	25.0	191978.0	1.413391	Y
6	ICIS 480-613702/14	25.0	35.702606	25.0	196931.0	1.428104	Y
7	IC 480-613702/15	50.0	74.249969	25.0	187559.0	1.484999	Y
8	IC 480-613702/16	100.0	127.417448	25.0	208050.0	1.274174	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

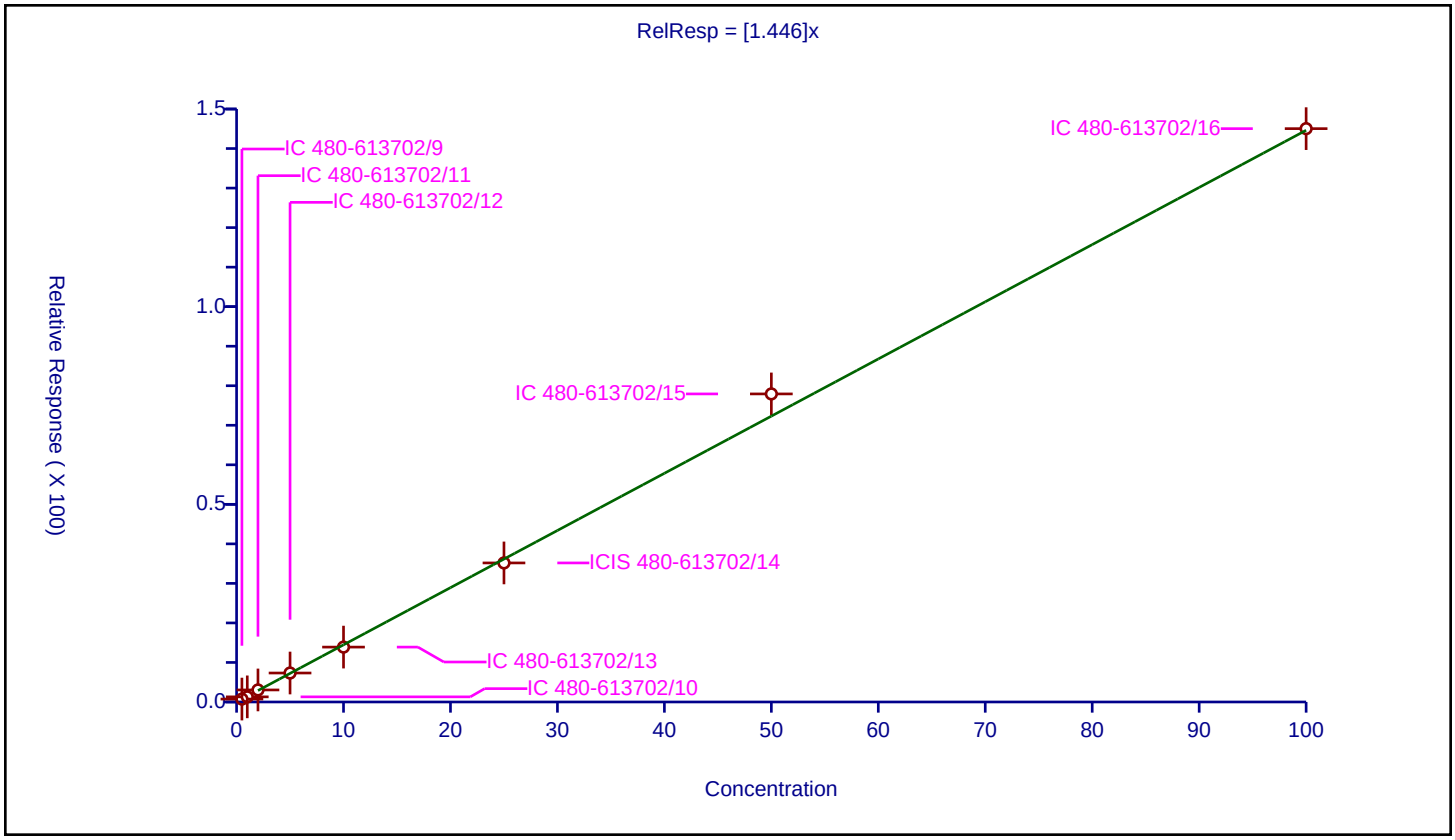
Curve Coefficients

Intercept:	0
Slope:	1.446

Error Coefficients

Standard Error:	520000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.738743	25.0	193132.0	1.477487	Y
2	IC 480-613702/10	1.0	1.299098	25.0	204411.0	1.299098	Y
3	IC 480-613702/11	2.0	3.044641	25.0	209606.0	1.52232	Y
4	IC 480-613702/12	5.0	7.330794	25.0	192029.0	1.466159	Y
5	IC 480-613702/13	10.0	13.885055	25.0	191978.0	1.388505	Y
6	ICIS 480-613702/14	25.0	35.178438	25.0	196931.0	1.407138	Y
7	IC 480-613702/15	50.0	77.932411	25.0	187559.0	1.558648	Y
8	IC 480-613702/16	100.0	145.032204	25.0	208050.0	1.450322	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

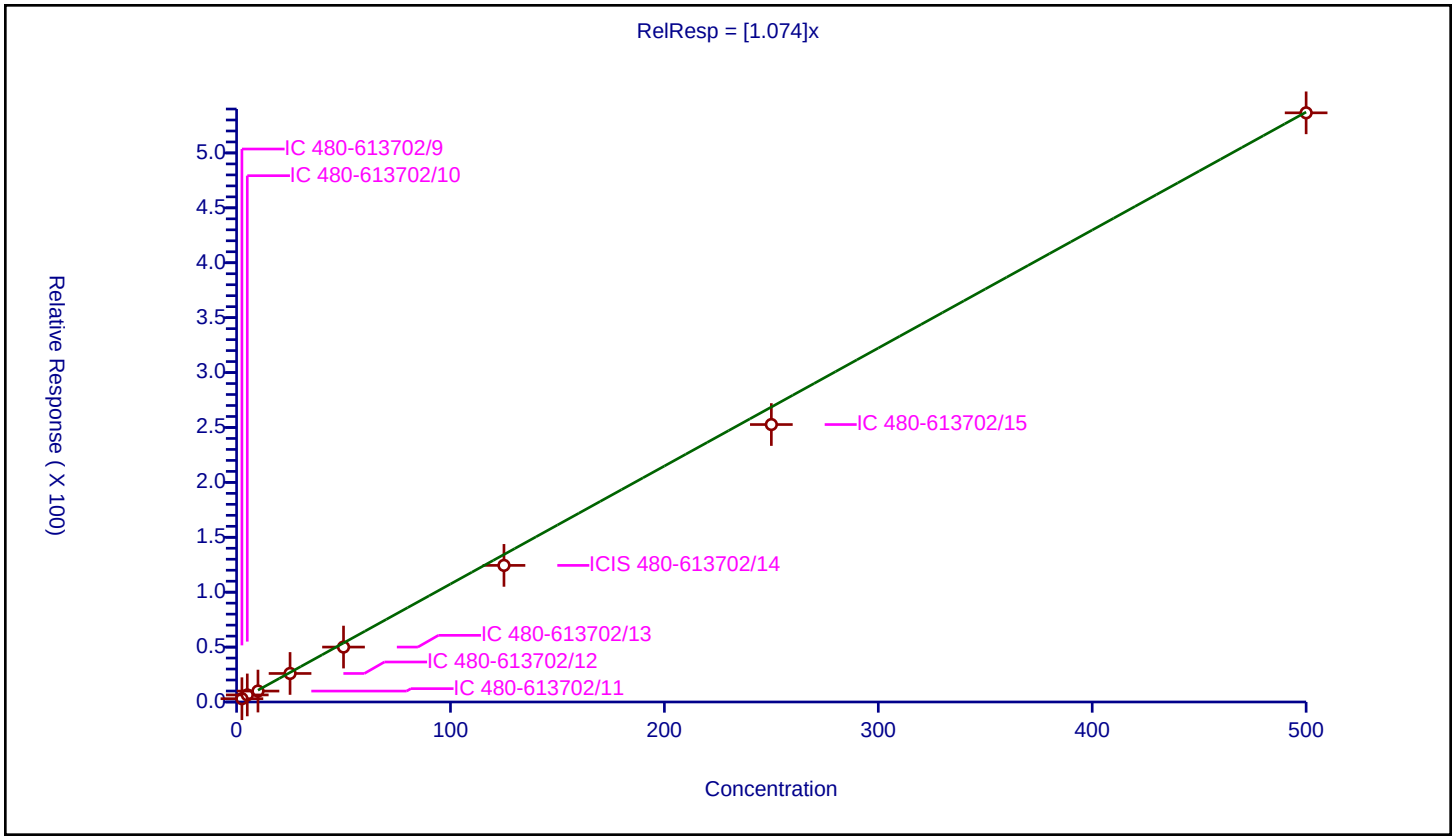
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Standard Error:	1880000
Relative Standard Error:	10.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	2.5	2.994713	25.0	193132.0	1.197885	Y
2	IC 480-613702/10	5.0	6.423333	25.0	204411.0	1.284667	Y
3	IC 480-613702/11	10.0	9.945326	25.0	209606.0	0.994533	Y
4	IC 480-613702/12	25.0	25.980841	25.0	192029.0	1.039234	Y
5	IC 480-613702/13	50.0	50.003646	25.0	191978.0	1.000073	Y
6	ICIS 480-613702/14	125.0	124.401059	25.0	196931.0	0.995208	Y
7	IC 480-613702/15	250.0	252.65983	25.0	187559.0	1.010639	Y
8	IC 480-613702/16	500.0	536.527517	25.0	208050.0	1.073055	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

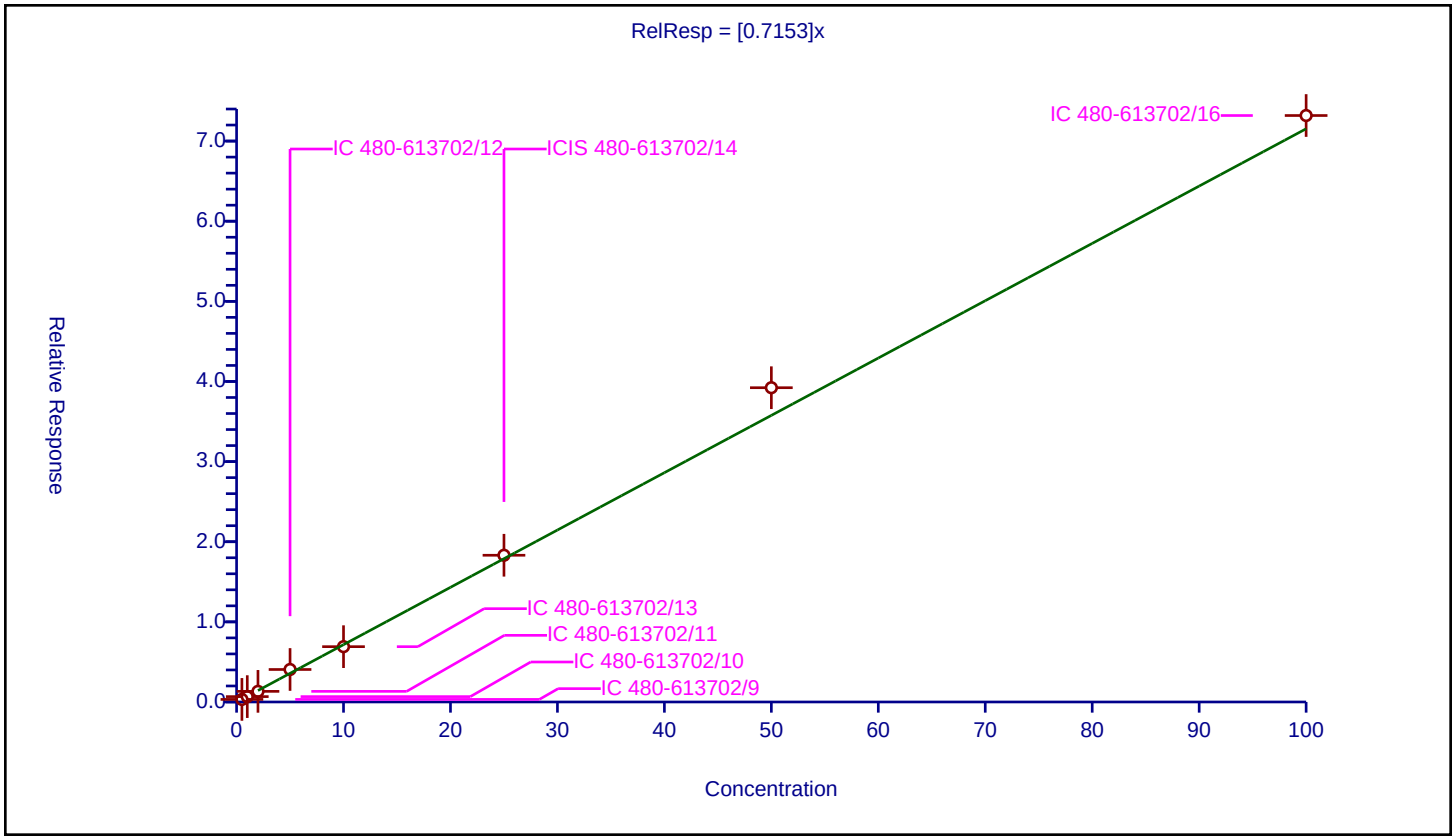
Curve Coefficients

Intercept:	0
Slope:	0.7153

Error Coefficients

Standard Error:	262000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.319988	25.0	193132.0	0.639977	Y
2	IC 480-613702/10	1.0	0.669729	25.0	204411.0	0.669729	Y
3	IC 480-613702/11	2.0	1.326298	25.0	209606.0	0.663149	Y
4	IC 480-613702/12	5.0	4.054466	25.0	192029.0	0.810893	Y
5	IC 480-613702/13	10.0	6.903005	25.0	191978.0	0.6903	Y
6	ICIS 480-613702/14	25.0	18.31149	25.0	196931.0	0.73246	Y
7	IC 480-613702/15	50.0	39.220459	25.0	187559.0	0.784409	Y
8	IC 480-613702/16	100.0	73.188056	25.0	208050.0	0.731881	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

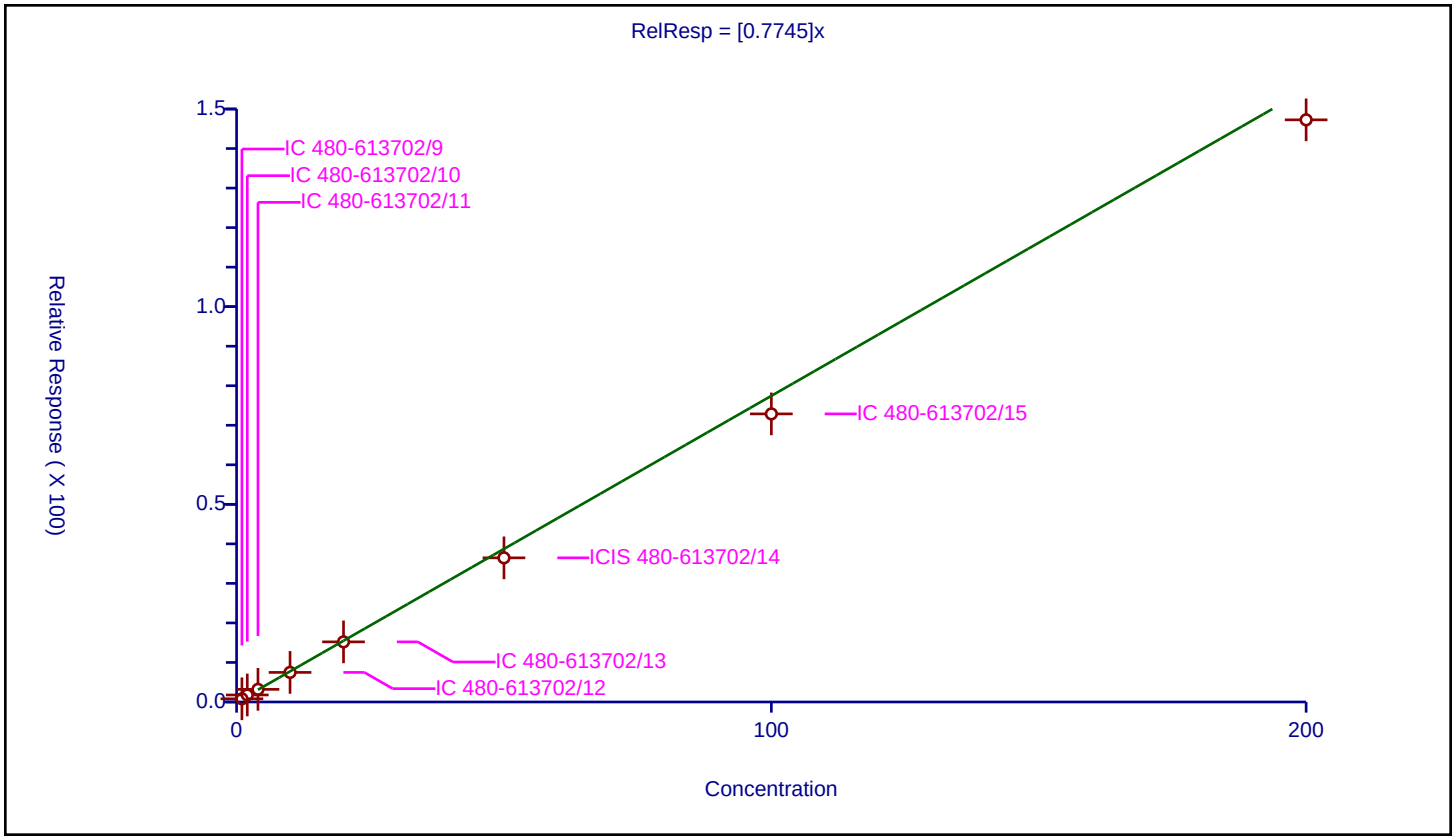
Curve Coefficients

Intercept:	0
Slope:	0.7745

Error Coefficients

Standard Error:	521000
Relative Standard Error:	7.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	1.0	0.805796	25.0	193132.0	0.805796	Y
2	IC 480-613702/10	2.0	1.775222	25.0	204411.0	0.887611	Y
3	IC 480-613702/11	4.0	3.196593	25.0	209606.0	0.799148	Y
4	IC 480-613702/12	10.0	7.482854	25.0	192029.0	0.748285	Y
5	IC 480-613702/13	20.0	15.20643	25.0	191978.0	0.760321	Y
6	ICIS 480-613702/14	50.0	36.466834	25.0	196931.0	0.729337	Y
7	IC 480-613702/15	100.0	72.878934	25.0	187559.0	0.728789	Y
8	IC 480-613702/16	200.0	147.26436	25.0	208050.0	0.736322	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

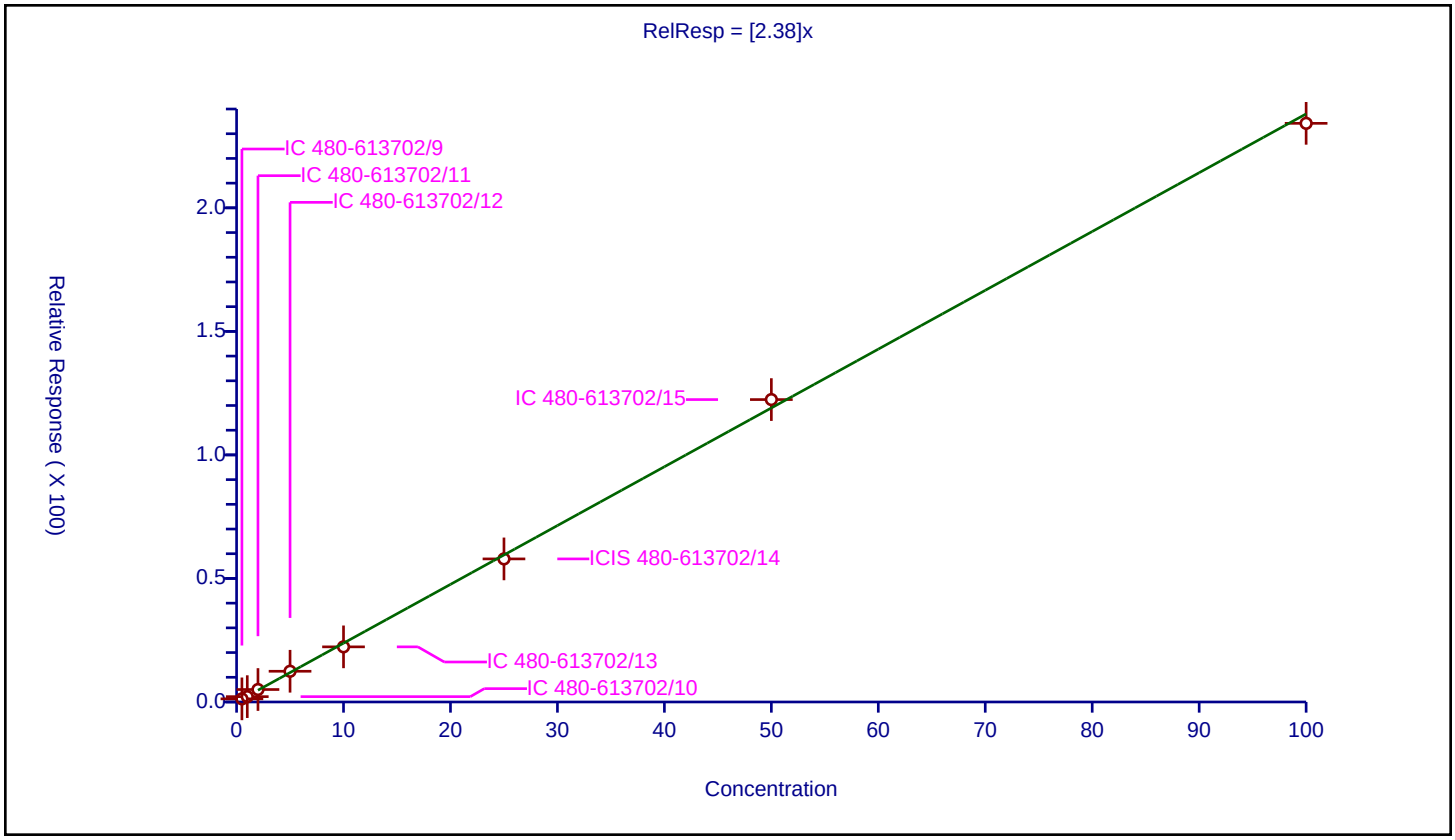
Curve Coefficients

Intercept:	0
Slope:	2.38

Error Coefficients

Standard Error:	836000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.265197	25.0	193132.0	2.530394	Y
2	IC 480-613702/10	1.0	2.159742	25.0	204411.0	2.159742	Y
3	IC 480-613702/11	2.0	5.050547	25.0	209606.0	2.525274	Y
4	IC 480-613702/12	5.0	12.44122	25.0	192029.0	2.488244	Y
5	IC 480-613702/13	10.0	22.317661	25.0	191978.0	2.231766	Y
6	ICIS 480-613702/14	25.0	57.910639	25.0	196931.0	2.316426	Y
7	IC 480-613702/15	50.0	122.399485	25.0	187559.0	2.44799	Y
8	IC 480-613702/16	100.0	234.199351	25.0	208050.0	2.341994	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

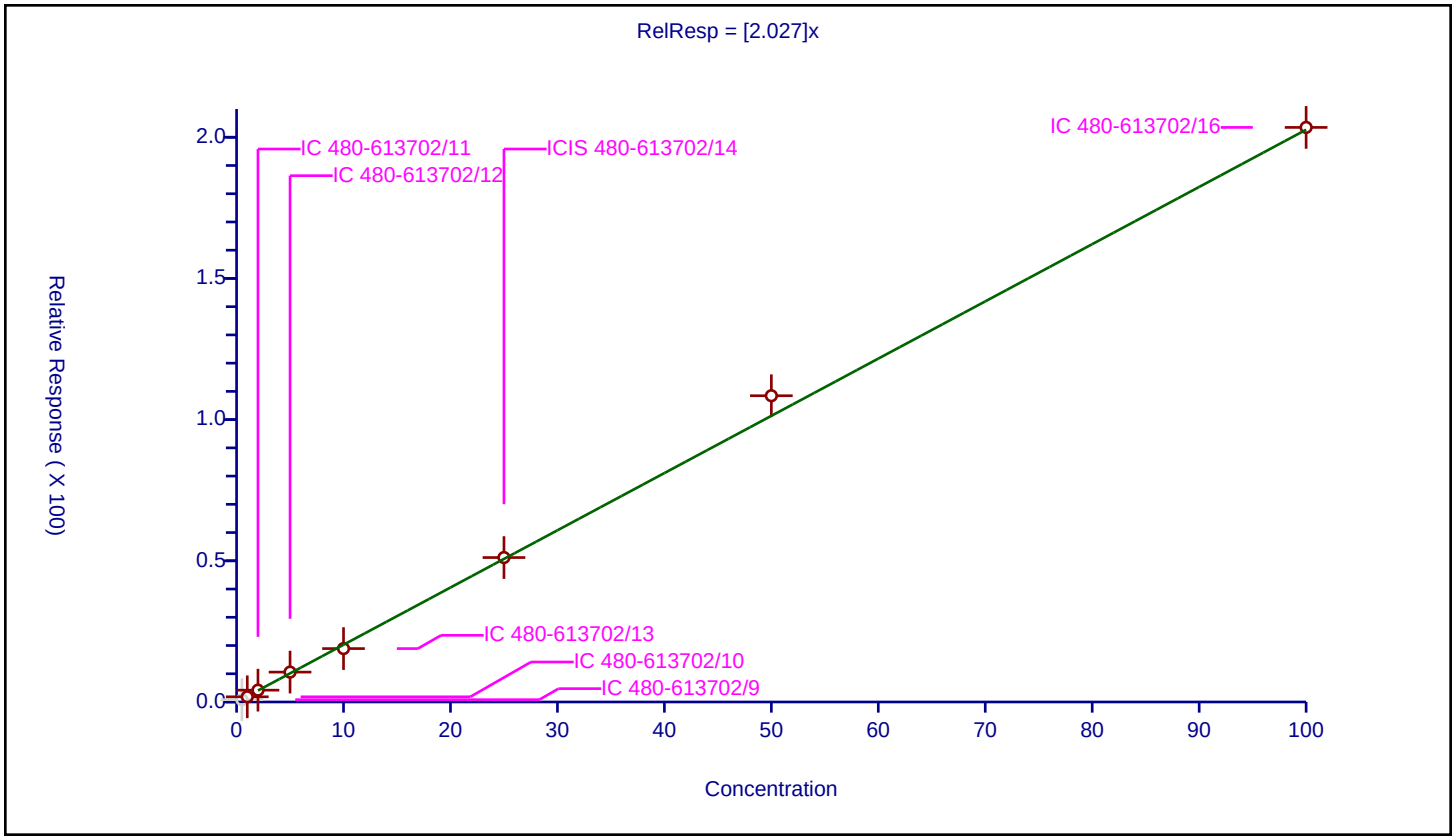
Curve Coefficients

Intercept:	0
Slope:	2.027

Error Coefficients

Standard Error:	787000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.8212	25.0	193132.0	1.6424	N
2	IC 480-613702/10	1.0	1.834539	25.0	204411.0	1.834539	Y
3	IC 480-613702/11	2.0	4.191197	25.0	209606.0	2.095598	Y
4	IC 480-613702/12	5.0	10.57835	25.0	192029.0	2.11567	Y
5	IC 480-613702/13	10.0	18.909068	25.0	191978.0	1.890907	Y
6	ICIS 480-613702/14	25.0	51.1551	25.0	196931.0	2.046204	Y
7	IC 480-613702/15	50.0	108.457205	25.0	187559.0	2.169144	Y
8	IC 480-613702/16	100.0	203.486782	25.0	208050.0	2.034868	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

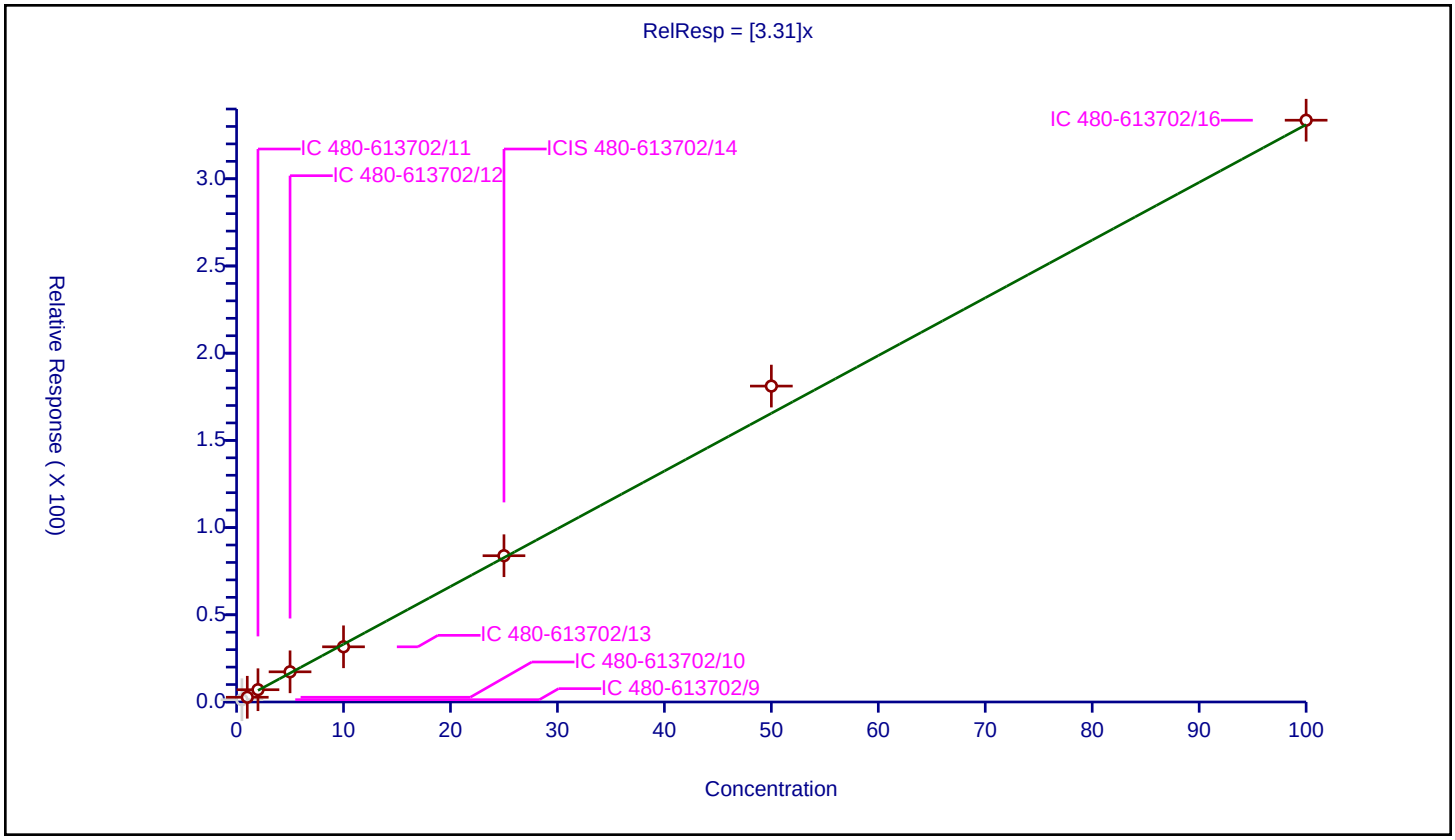
Curve Coefficients

Intercept:	0
Slope:	3.31

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.321505	25.0	193132.0	2.643011	N
2	IC 480-613702/10	1.0	2.717197	25.0	204411.0	2.717197	Y
3	IC 480-613702/11	2.0	7.036535	25.0	209606.0	3.518268	Y
4	IC 480-613702/12	5.0	17.300121	25.0	192029.0	3.460024	Y
5	IC 480-613702/13	10.0	31.641646	25.0	191978.0	3.164165	Y
6	ICIS 480-613702/14	25.0	83.868715	25.0	196931.0	3.354749	Y
7	IC 480-613702/15	50.0	181.129271	25.0	187559.0	3.622585	Y
8	IC 480-613702/16	100.0	333.571017	25.0	208050.0	3.33571	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

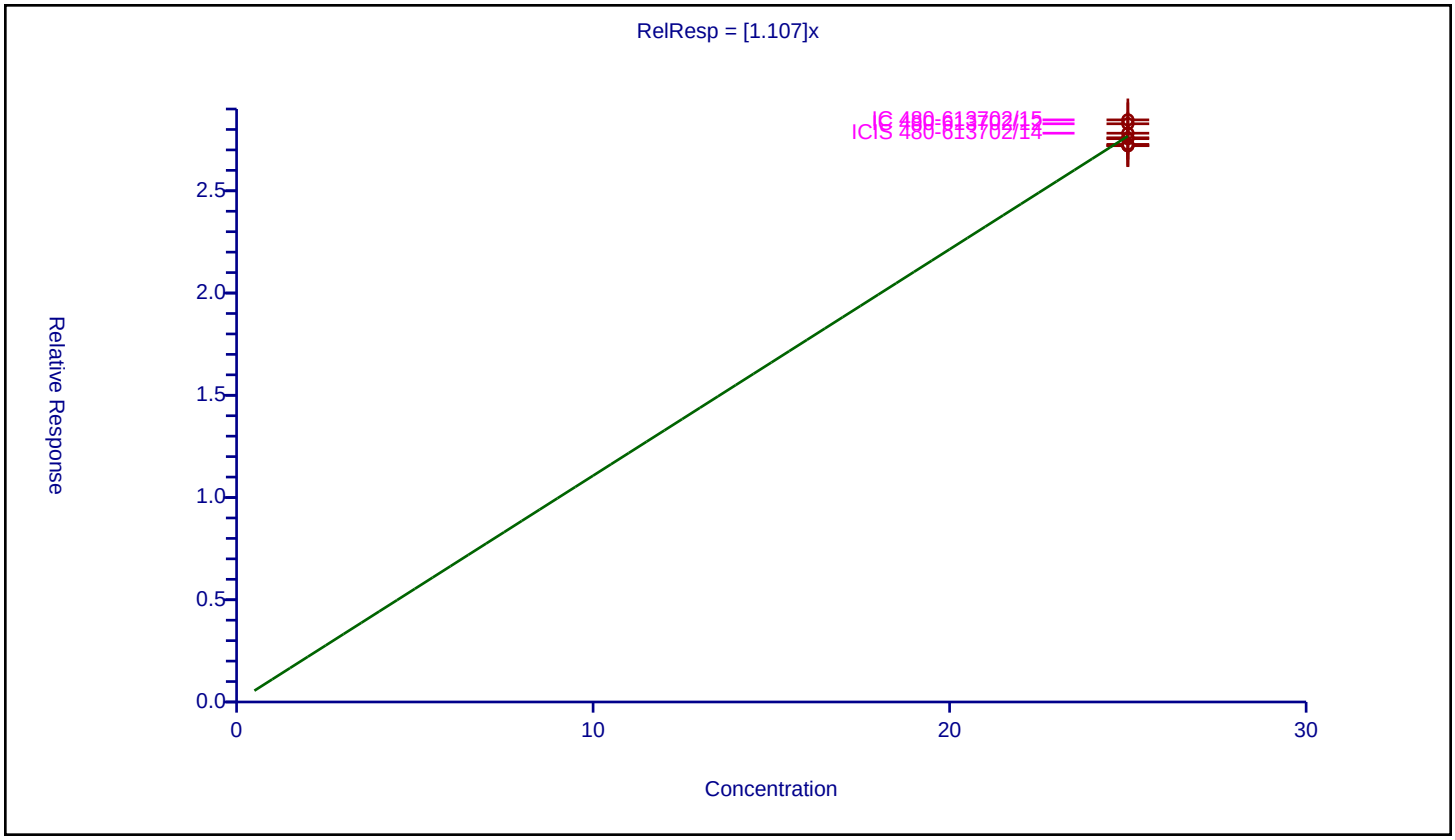
Curve Coefficients

Intercept:	0
Slope:	1.107

Error Coefficients

Standard Error:	234000
Relative Standard Error:	1.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	25.0	27.548128	25.0	193132.0	1.101925	Y
2	IC 480-613702/10	25.0	27.205605	25.0	204411.0	1.088224	Y
3	IC 480-613702/11	25.0	27.270212	25.0	209606.0	1.090808	Y
4	IC 480-613702/12	25.0	28.27737	25.0	192029.0	1.131095	Y
5	IC 480-613702/13	25.0	27.209758	25.0	191978.0	1.08839	Y
6	ICIS 480-613702/14	25.0	27.817357	25.0	196931.0	1.112694	Y
7	IC 480-613702/15	25.0	28.469708	25.0	187559.0	1.138788	Y
8	IC 480-613702/16	25.0	27.594208	25.0	208050.0	1.103768	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

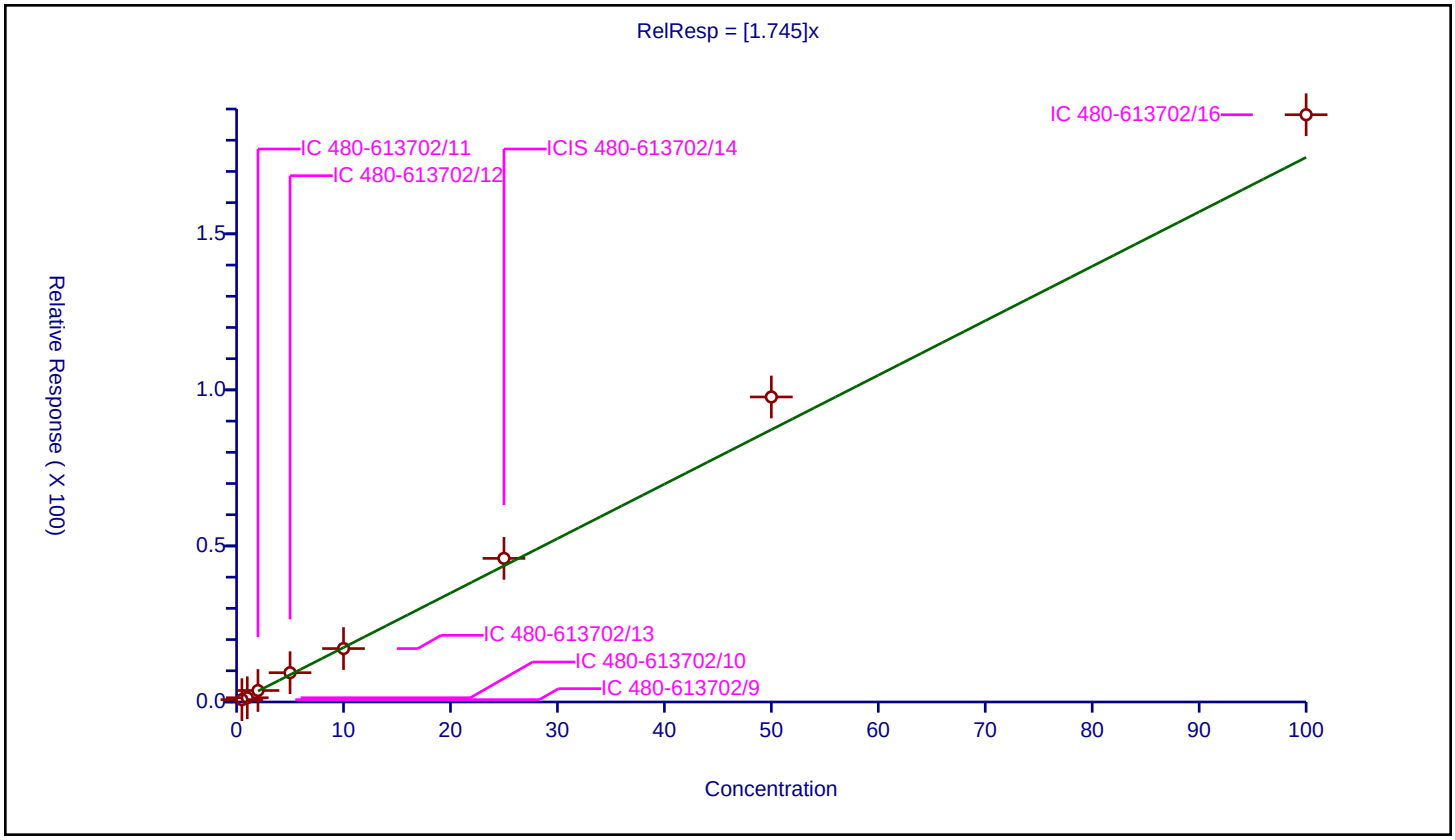
Curve Coefficients

Intercept:	0
Slope:	1.745

Error Coefficients

Standard Error:	670000
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 480-613702/9	0.5	0.745345	25.0	193132.0	1.49069	Y
2	IC 480-613702/10	1.0	1.36184	25.0	204411.0	1.36184	Y
3	IC 480-613702/11	2.0	3.681908	25.0	209606.0	1.840954	Y
4	IC 480-613702/12	5.0	9.388165	25.0	192029.0	1.877633	Y
5	IC 480-613702/13	10.0	17.120712	25.0	191978.0	1.712071	Y
6	ICIS 480-613702/14	25.0	46.01891	25.0	196931.0	1.840756	Y
7	IC 480-613702/15	50.0	97.737112	25.0	187559.0	1.954742	Y
8	IC 480-613702/16	100.0	188.169551	25.0	208050.0	1.881696	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

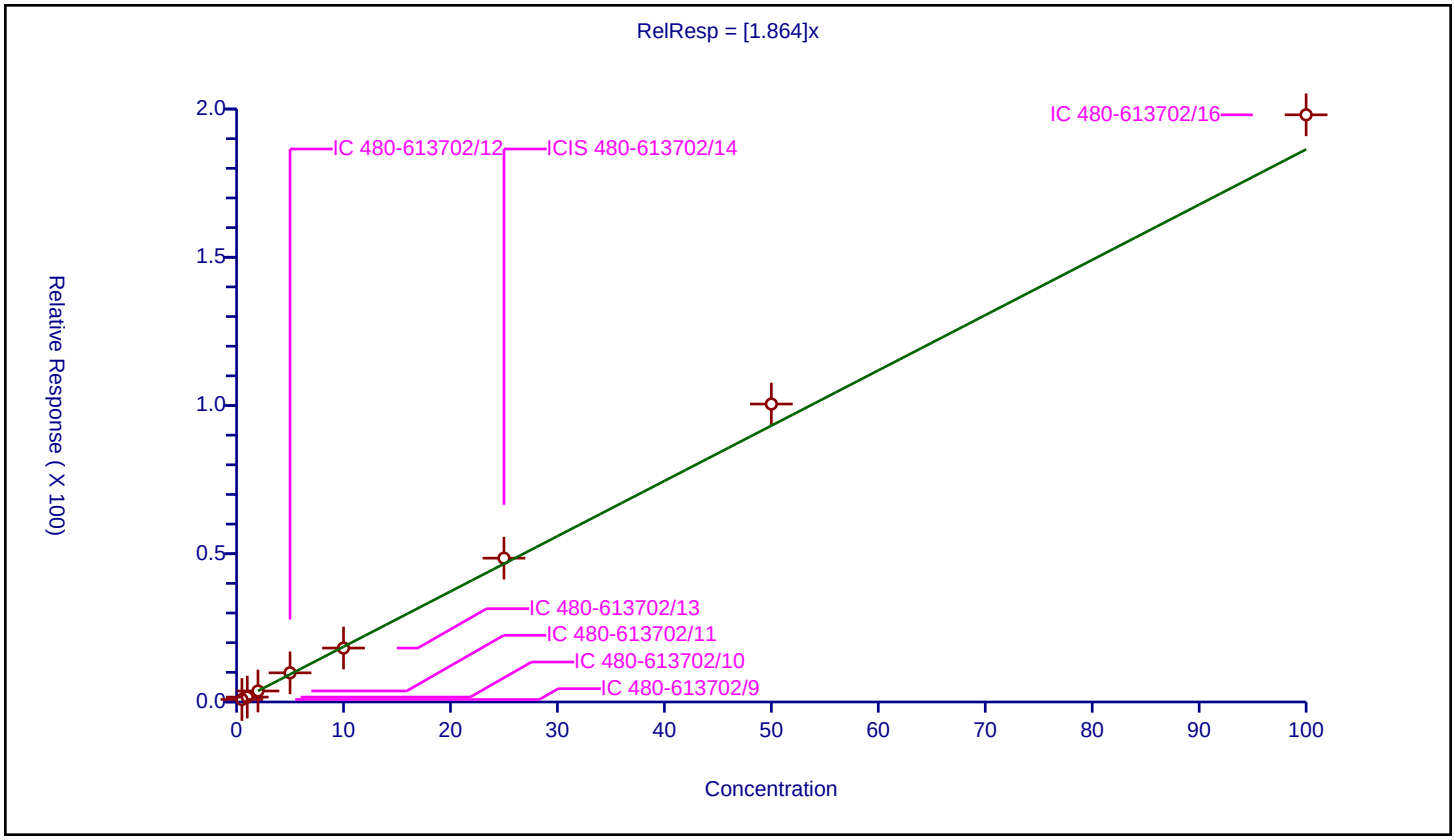
Curve Coefficients

Intercept:	0
Slope:	1.864

Error Coefficients

Standard Error:	703000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.840099	25.0	193132.0	1.680198	Y
2	IC 480-613702/10	1.0	1.658179	25.0	204411.0	1.658179	Y
3	IC 480-613702/11	2.0	3.712203	25.0	209606.0	1.856101	Y
4	IC 480-613702/12	5.0	9.832499	25.0	192029.0	1.9665	Y
5	IC 480-613702/13	10.0	18.194142	25.0	191978.0	1.819414	Y
6	ICIS 480-613702/14	25.0	48.514073	25.0	196931.0	1.940563	Y
7	IC 480-613702/15	50.0	100.492645	25.0	187559.0	2.009853	Y
8	IC 480-613702/16	100.0	198.0441	25.0	208050.0	1.980441	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

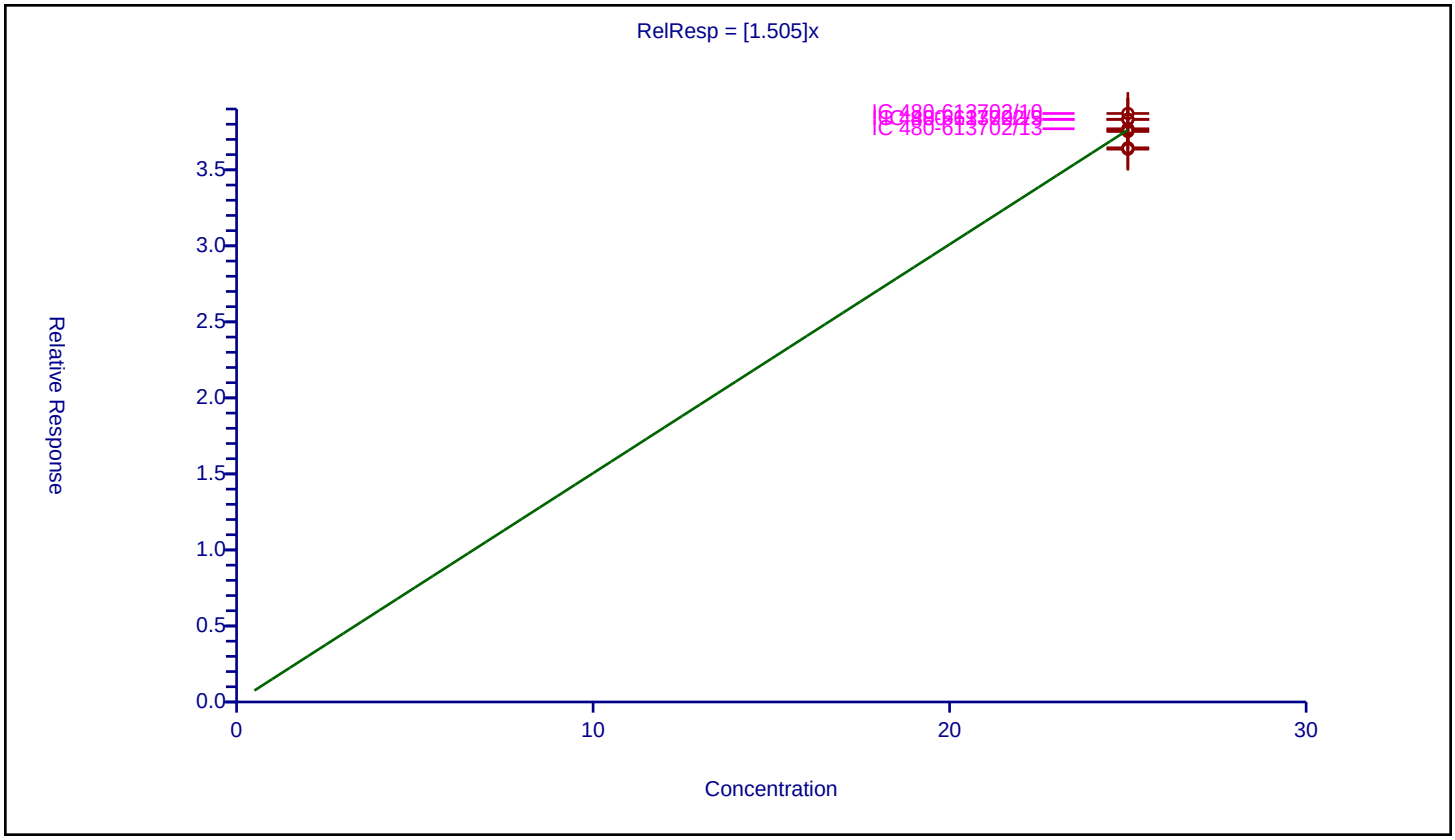
Curve Coefficients

Intercept:	0
Slope:	1.505

Error Coefficients

Standard Error:	319000
Relative Standard Error:	2.3
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	25.0	38.326637	25.0	193132.0	1.533065	Y
2	IC 480-613702/10	25.0	38.707433	25.0	204411.0	1.548297	Y
3	IC 480-613702/11	25.0	36.358334	25.0	209606.0	1.454333	Y
4	IC 480-613702/12	25.0	37.612548	25.0	192029.0	1.504502	Y
5	IC 480-613702/13	25.0	37.700414	25.0	191978.0	1.508017	Y
6	ICIS 480-613702/14	25.0	36.450203	25.0	196931.0	1.458008	Y
7	IC 480-613702/15	25.0	38.317943	25.0	187559.0	1.532718	Y
8	IC 480-613702/16	25.0	37.52211	25.0	208050.0	1.500884	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

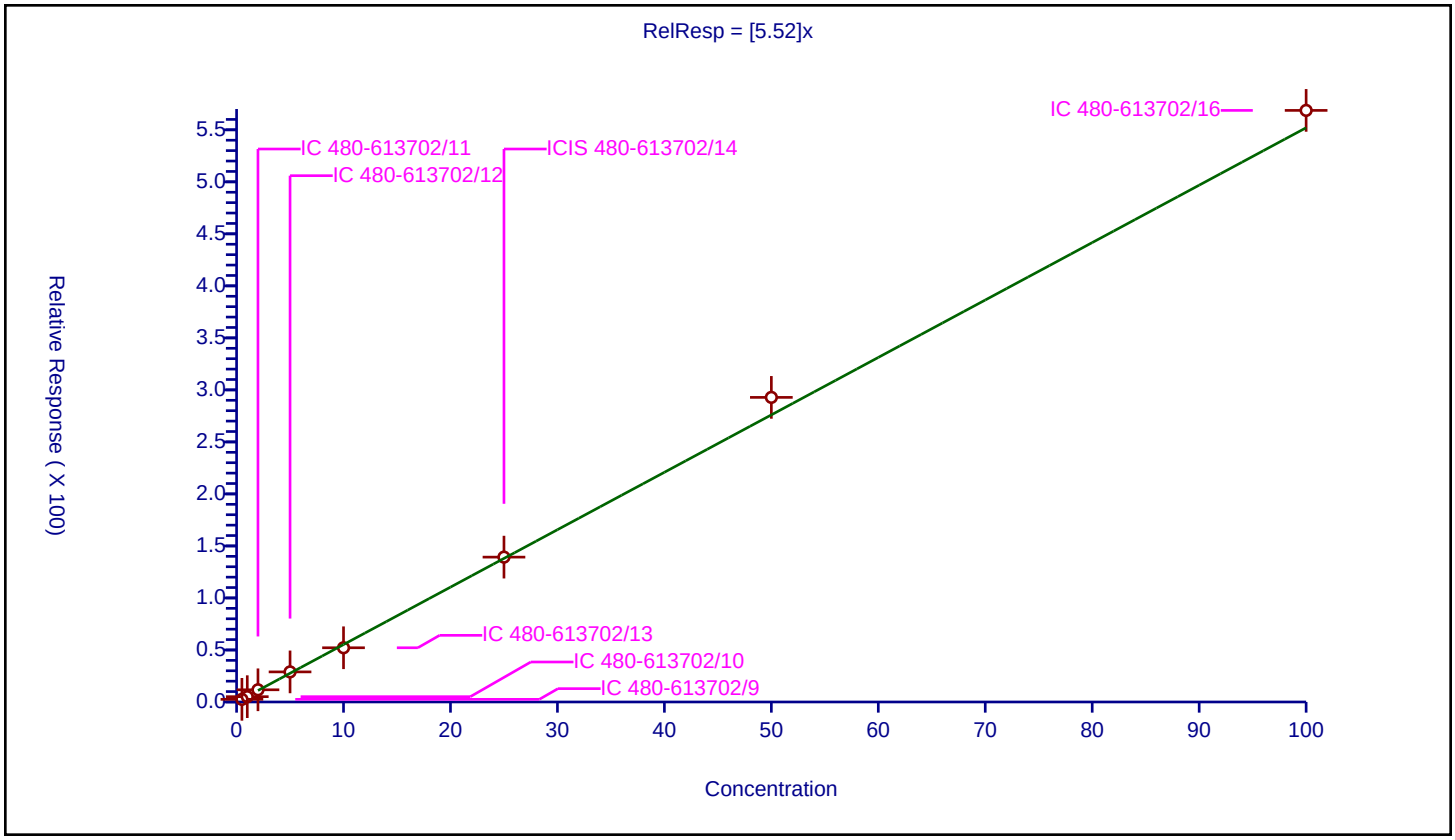
Curve Coefficients

Intercept:	0
Slope:	5.52

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	2.543727	25.0	193132.0	5.087453	Y
2	IC 480-613702/10	1.0	5.102465	25.0	204411.0	5.102465	Y
3	IC 480-613702/11	2.0	11.722112	25.0	209606.0	5.861056	Y
4	IC 480-613702/12	5.0	28.91959	25.0	192029.0	5.783918	Y
5	IC 480-613702/13	10.0	52.117821	25.0	191978.0	5.211782	Y
6	ICIS 480-613702/14	25.0	139.245345	25.0	196931.0	5.569814	Y
7	IC 480-613702/15	50.0	292.806397	25.0	187559.0	5.856128	Y
8	IC 480-613702/16	100.0	568.655972	25.0	208050.0	5.68656	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

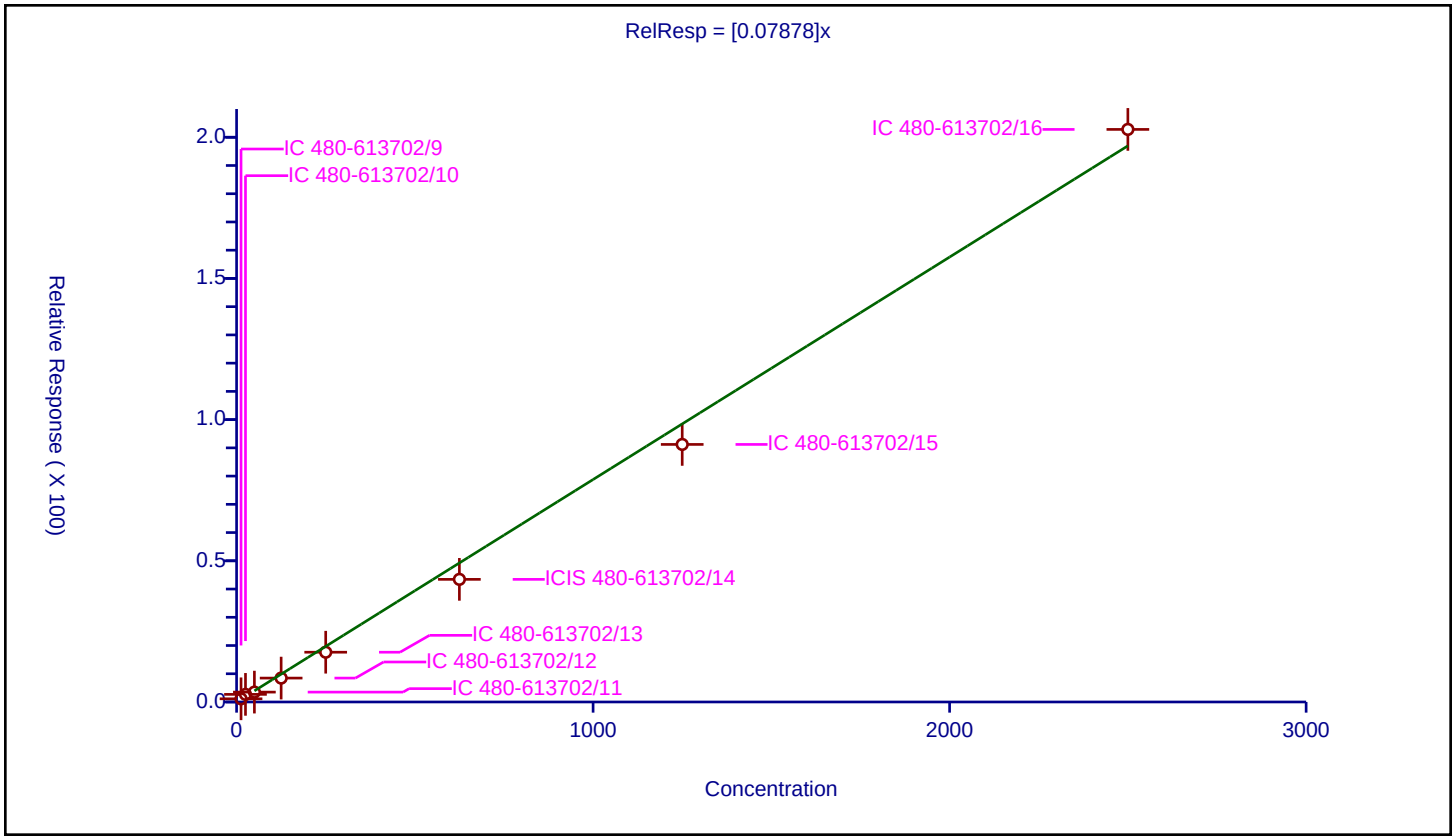
Curve Coefficients

Intercept:	0
Slope:	0.07878

Error Coefficients

Standard Error:	703000
Relative Standard Error:	17.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	12.5	1.131739	25.0	193132.0	0.090539	Y
2	IC 480-613702/10	25.0	2.697751	25.0	204411.0	0.10791	Y
3	IC 480-613702/11	50.0	3.501093	25.0	209606.0	0.070022	Y
4	IC 480-613702/12	125.0	8.464997	25.0	192029.0	0.06772	Y
5	IC 480-613702/13	250.0	17.628582	25.0	191978.0	0.070514	Y
6	ICIS 480-613702/14	625.0	43.428663	25.0	196931.0	0.069486	Y
7	IC 480-613702/15	1250.0	91.21743	25.0	187559.0	0.072974	Y
8	IC 480-613702/16	2500.0	202.778659	25.0	208050.0	0.081111	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

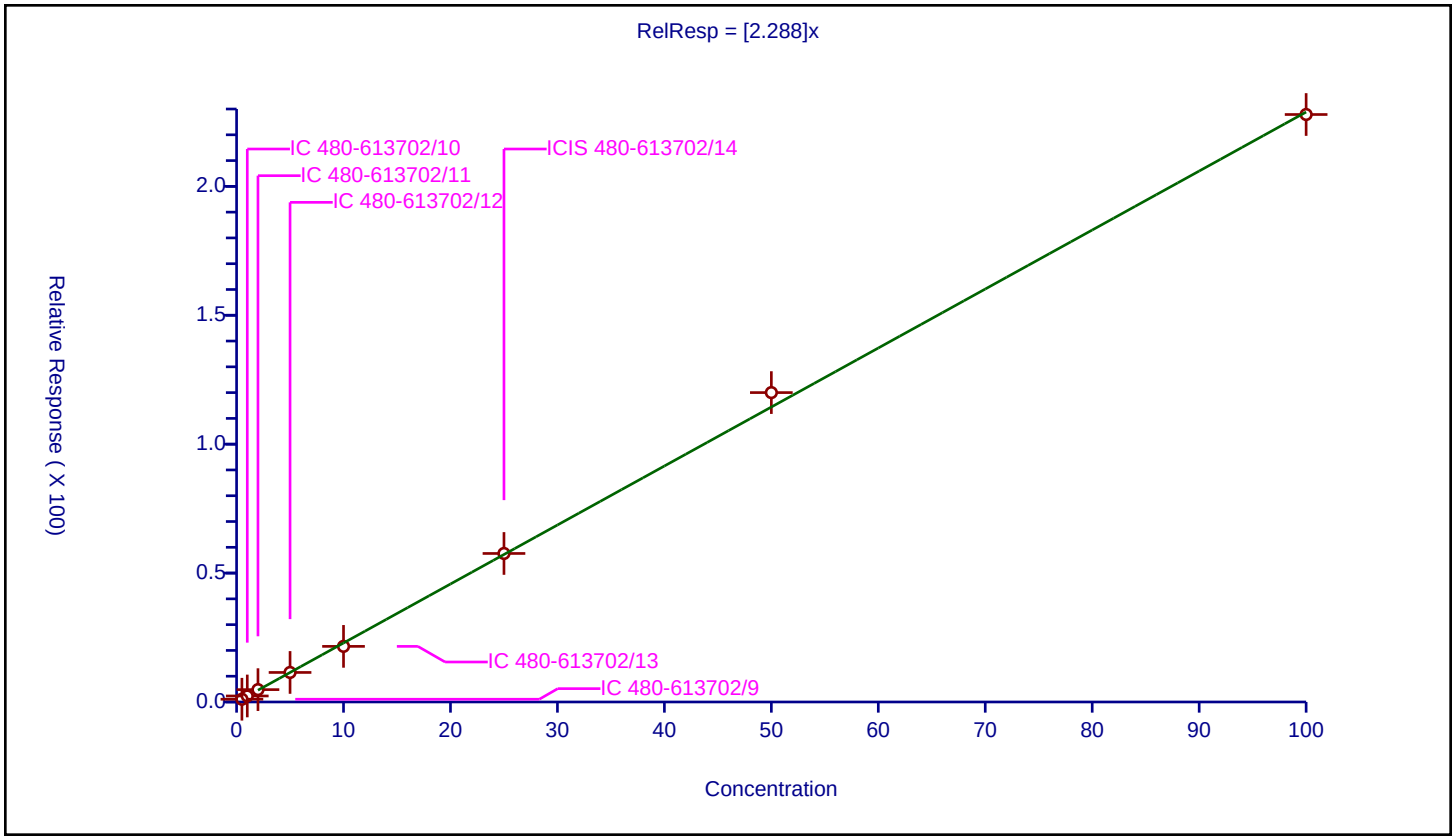
Curve Coefficients

Intercept:	0
Slope:	2.288

Error Coefficients

Standard Error:	815000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.072841	25.0	193132.0	2.145683	Y
2	IC 480-613702/10	1.0	2.331577	25.0	204411.0	2.331577	Y
3	IC 480-613702/11	2.0	4.794949	25.0	209606.0	2.397474	Y
4	IC 480-613702/12	5.0	11.453999	25.0	192029.0	2.2908	Y
5	IC 480-613702/13	10.0	21.572654	25.0	191978.0	2.157265	Y
6	ICIS 480-613702/14	25.0	57.60571	25.0	196931.0	2.304228	Y
7	IC 480-613702/15	50.0	120.007038	25.0	187559.0	2.400141	Y
8	IC 480-613702/16	100.0	227.866378	25.0	208050.0	2.278664	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

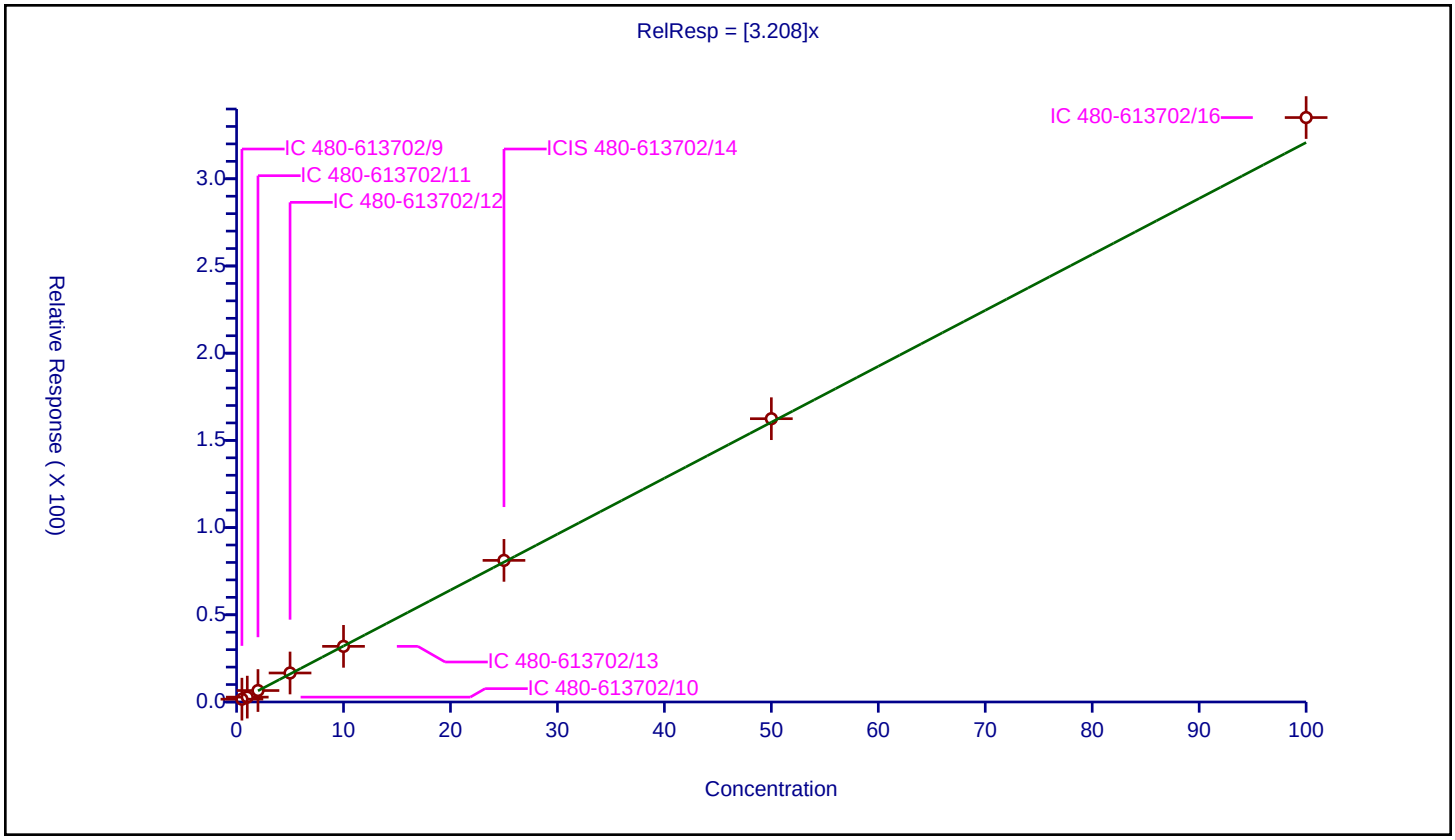
Curve Coefficients

Intercept:	0
Slope:	3.208

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	5.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.610686	25.0	193132.0	3.221372	Y
2	IC 480-613702/10	1.0	2.794615	25.0	204411.0	2.794615	Y
3	IC 480-613702/11	2.0	6.567679	25.0	209606.0	3.28384	Y
4	IC 480-613702/12	5.0	16.631993	25.0	192029.0	3.326399	Y
5	IC 480-613702/13	10.0	31.895191	25.0	191978.0	3.189519	Y
6	ICIS 480-613702/14	25.0	81.200141	25.0	196931.0	3.248006	Y
7	IC 480-613702/15	50.0	162.431155	25.0	187559.0	3.248623	Y
8	IC 480-613702/16	100.0	335.105984	25.0	208050.0	3.35106	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

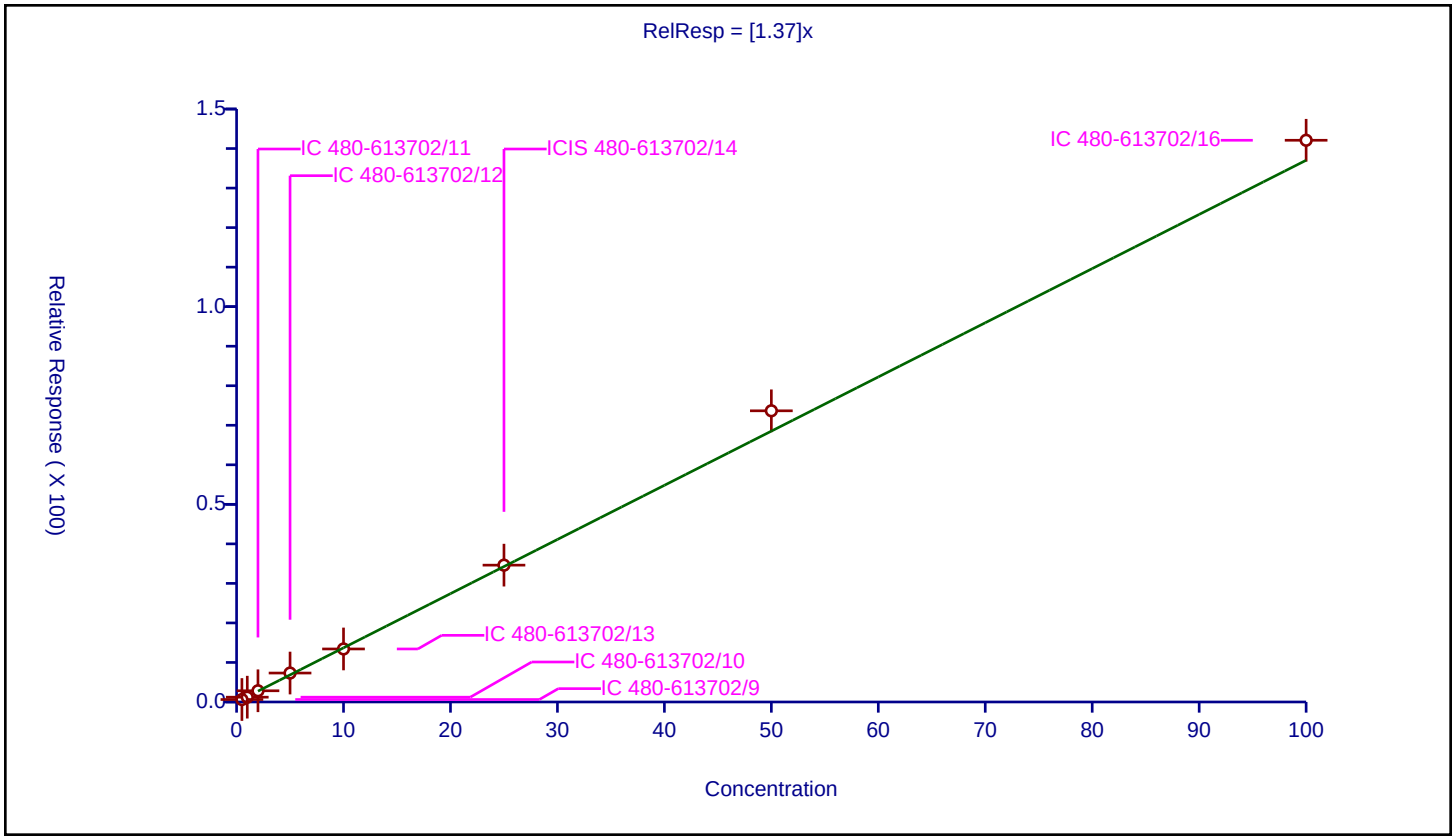
Curve Coefficients

Intercept:	0
Slope:	1.37

Error Coefficients

Standard Error:	506000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.622502	25.0	193132.0	1.245003	Y
2	IC 480-613702/10	1.0	1.215199	25.0	204411.0	1.215199	Y
3	IC 480-613702/11	2.0	2.837586	25.0	209606.0	1.418793	Y
4	IC 480-613702/12	5.0	7.319337	25.0	192029.0	1.463867	Y
5	IC 480-613702/13	10.0	13.412995	25.0	191978.0	1.3413	Y
6	ICIS 480-613702/14	25.0	34.614789	25.0	196931.0	1.384592	Y
7	IC 480-613702/15	50.0	73.661221	25.0	187559.0	1.473224	Y
8	IC 480-613702/16	100.0	142.095169	25.0	208050.0	1.420952	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

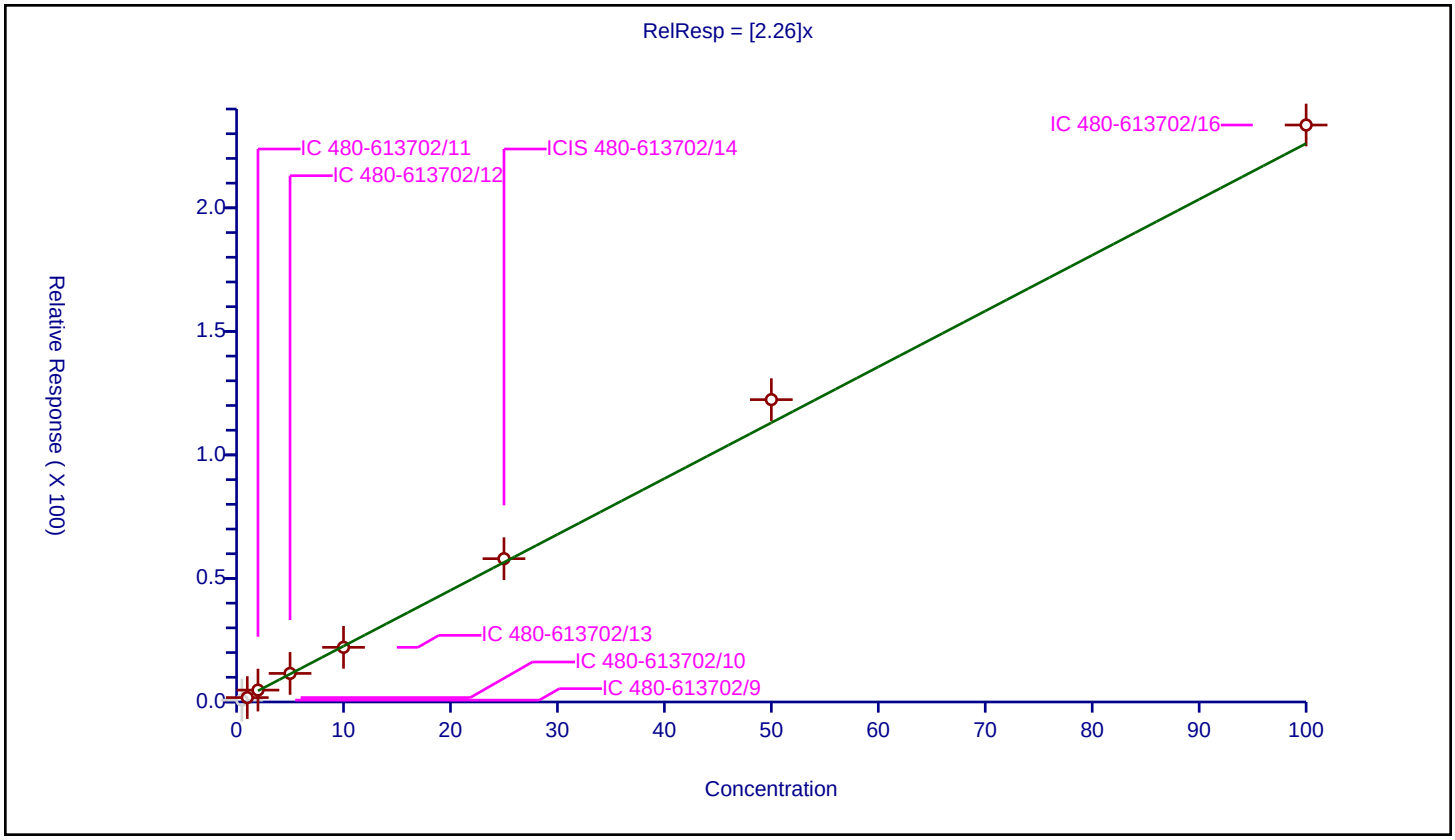
Curve Coefficients

Intercept:	0
Slope:	2.26

Error Coefficients

Standard Error:	901000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.747416	25.0	193132.0	1.494833	N
2	IC 480-613702/10	1.0	1.784273	25.0	204411.0	1.784273	Y
3	IC 480-613702/11	2.0	4.820711	25.0	209606.0	2.410356	Y
4	IC 480-613702/12	5.0	11.565701	25.0	192029.0	2.31314	Y
5	IC 480-613702/13	10.0	22.123629	25.0	191978.0	2.212363	Y
6	ICIS 480-613702/14	25.0	58.007881	25.0	196931.0	2.320315	Y
7	IC 480-613702/15	50.0	122.373493	25.0	187559.0	2.44747	Y
8	IC 480-613702/16	100.0	233.526196	25.0	208050.0	2.335262	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

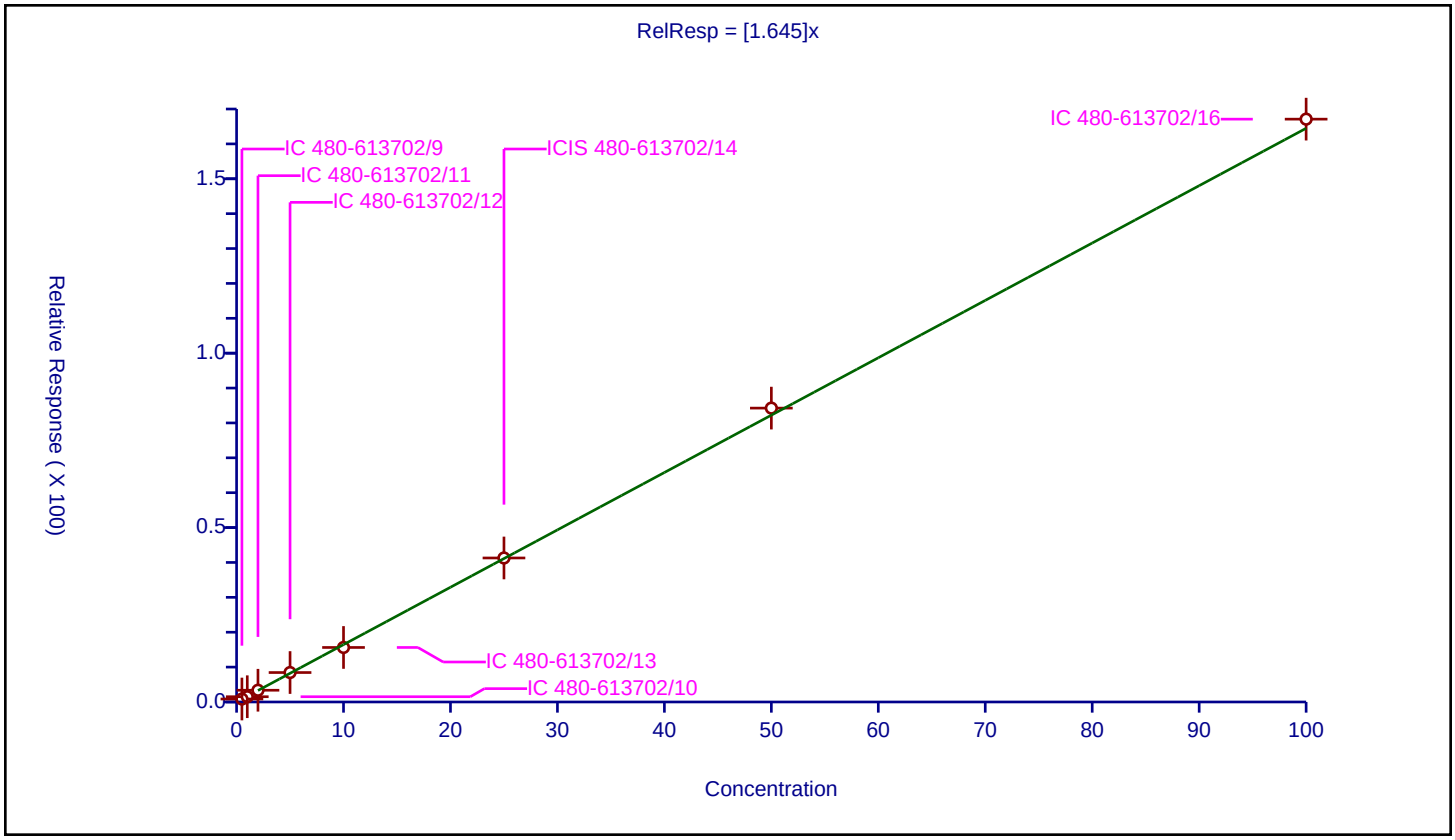
Curve Coefficients

Intercept:	0
Slope:	1.645

Error Coefficients

Standard Error:	593000
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 480-613702/9	0.5	0.852137	25.0	193132.0	1.704275	Y
2	IC 480-613702/10	1.0	1.508114	25.0	204411.0	1.508114	Y
3	IC 480-613702/11	2.0	3.371206	25.0	209606.0	1.685603	Y
4	IC 480-613702/12	5.0	8.446511	25.0	192029.0	1.689302	Y
5	IC 480-613702/13	10.0	15.629265	25.0	191978.0	1.562926	Y
6	ICIS 480-613702/14	25.0	41.284511	25.0	196931.0	1.65138	Y
7	IC 480-613702/15	50.0	84.252155	25.0	187559.0	1.685043	Y
8	IC 480-613702/16	100.0	167.091324	25.0	208050.0	1.670913	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

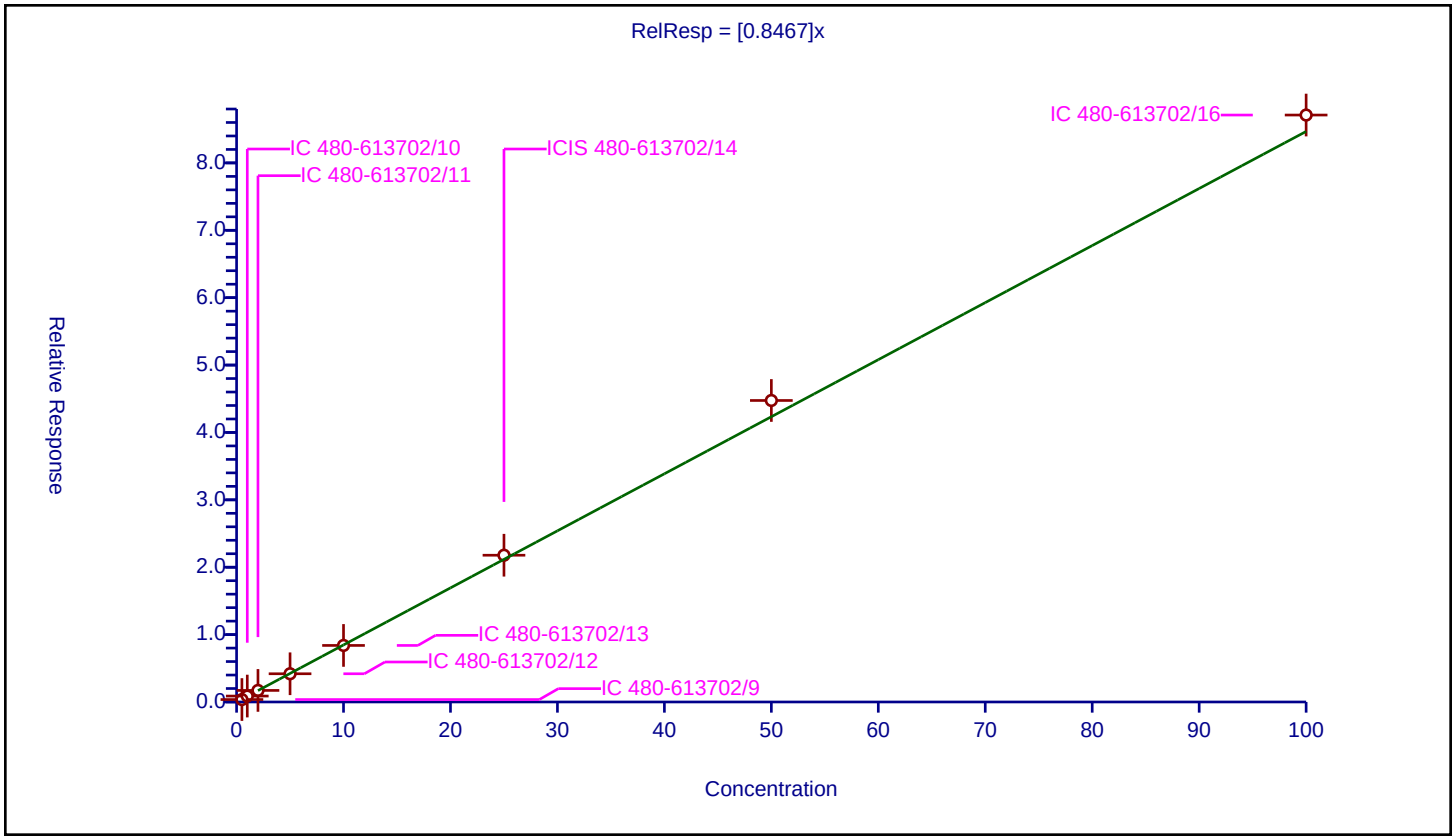
Curve Coefficients

Intercept:	0
Slope:	0.8467

Error Coefficients

Standard Error:	310000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.360505	25.0	193132.0	0.721009	Y
2	IC 480-613702/10	1.0	0.879845	25.0	204411.0	0.879845	Y
3	IC 480-613702/11	2.0	1.71715	25.0	209606.0	0.858575	Y
4	IC 480-613702/12	5.0	4.18882	25.0	192029.0	0.837764	Y
5	IC 480-613702/13	10.0	8.391717	25.0	191978.0	0.839172	Y
6	ICIS 480-613702/14	25.0	21.781487	25.0	196931.0	0.871259	Y
7	IC 480-613702/15	50.0	44.744587	25.0	187559.0	0.894892	Y
8	IC 480-613702/16	100.0	87.103941	25.0	208050.0	0.871039	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

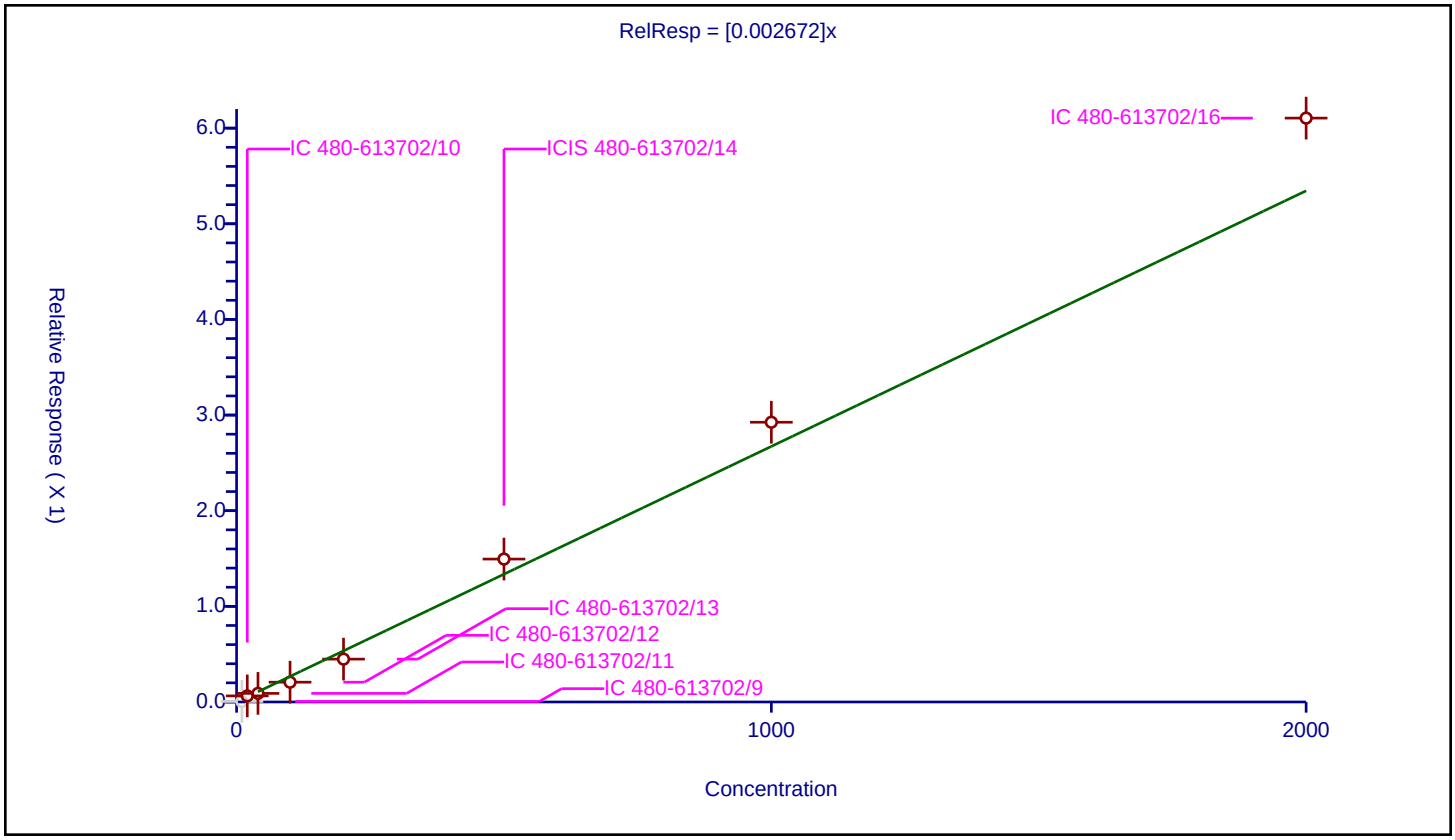
Curve Coefficients

Intercept:	0
Slope:	0.002672

Error Coefficients

Standard Error:	86700
Relative Standard Error:	17.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	10.0	0.005667	25.0	705876.0	0.000567	N
2	IC 480-613702/10	20.0	0.06367	25.0	748394.0	0.003183	Y
3	IC 480-613702/11	40.0	0.08987	25.0	749971.0	0.002247	Y
4	IC 480-613702/12	100.0	0.206939	25.0	708664.0	0.002069	Y
5	IC 480-613702/13	200.0	0.448298	25.0	730708.0	0.002241	Y
6	ICIS 480-613702/14	500.0	1.494471	25.0	726327.0	0.002989	Y
7	IC 480-613702/15	1000.0	2.924884	25.0	702310.0	0.002925	Y
8	IC 480-613702/16	2000.0	6.10499	25.0	779989.0	0.003052	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

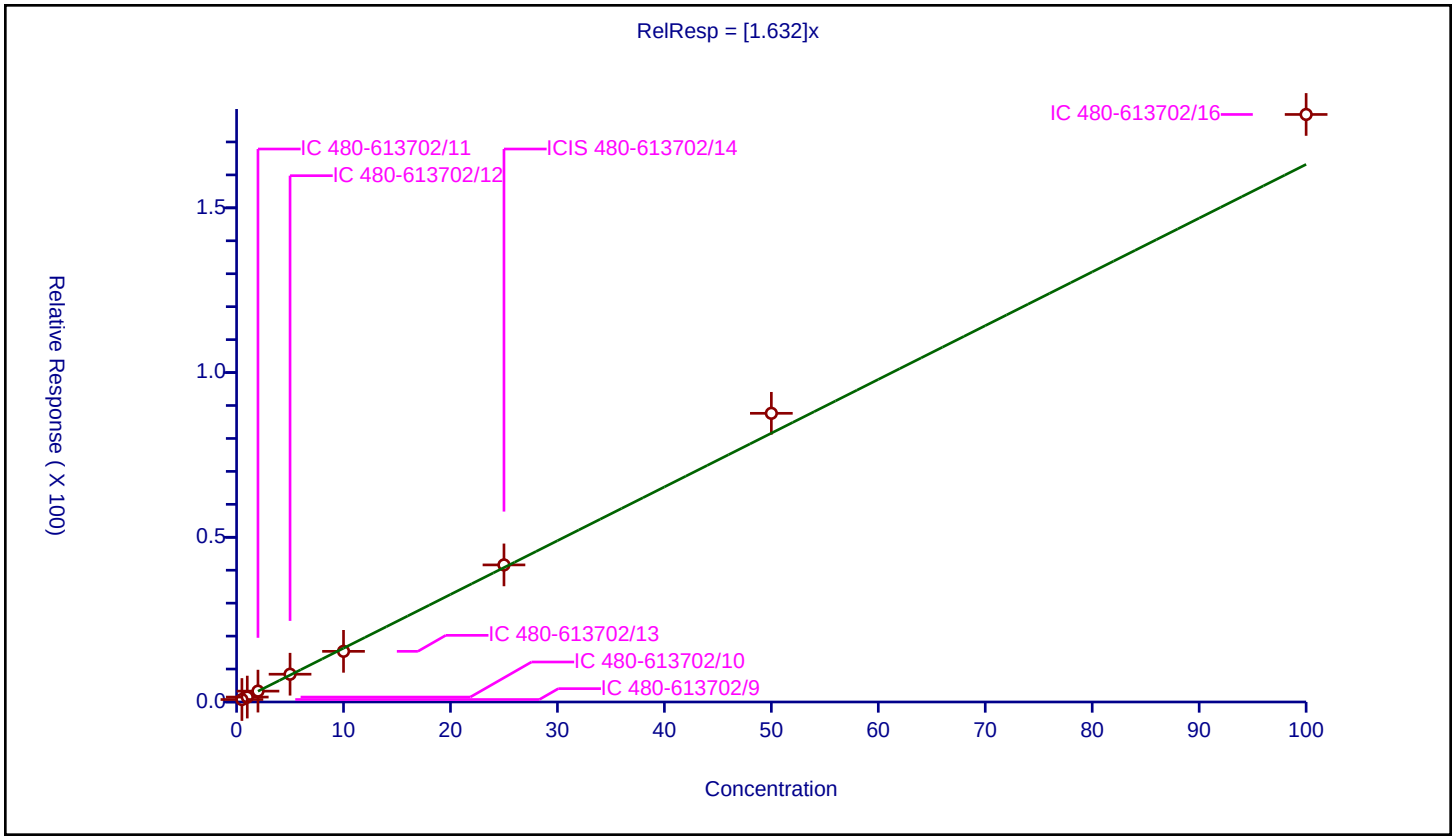
Curve Coefficients

Intercept:	0
Slope:	1.632

Error Coefficients

Standard Error:	628000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.746122	25.0	193132.0	1.492244	Y
2	IC 480-613702/10	1.0	1.490991	25.0	204411.0	1.490991	Y
3	IC 480-613702/11	2.0	3.296542	25.0	209606.0	1.648271	Y
4	IC 480-613702/12	5.0	8.428284	25.0	192029.0	1.685657	Y
5	IC 480-613702/13	10.0	15.378585	25.0	191978.0	1.537859	Y
6	ICIS 480-613702/14	25.0	41.608101	25.0	196931.0	1.664324	Y
7	IC 480-613702/15	50.0	87.62816	25.0	187559.0	1.752563	Y
8	IC 480-613702/16	100.0	178.346071	25.0	208050.0	1.783461	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

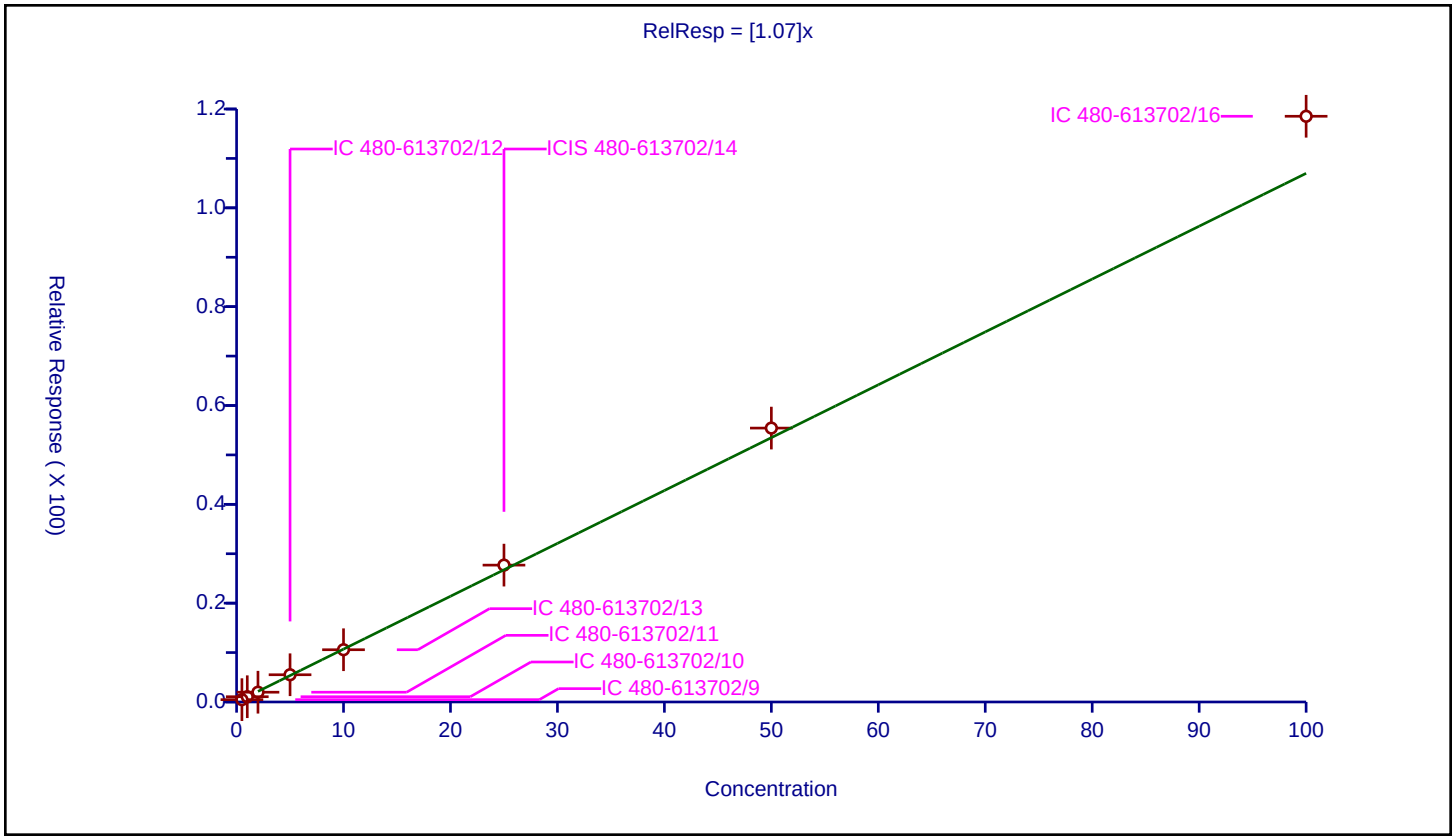
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Standard Error:	414000
Relative Standard Error:	7.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.471957	25.0	193132.0	0.943914	Y
2	IC 480-613702/10	1.0	1.063666	25.0	204411.0	1.063666	Y
3	IC 480-613702/11	2.0	1.977639	25.0	209606.0	0.988819	Y
4	IC 480-613702/12	5.0	5.514271	25.0	192029.0	1.102854	Y
5	IC 480-613702/13	10.0	10.57491	25.0	191978.0	1.057491	Y
6	ICIS 480-613702/14	25.0	27.696884	25.0	196931.0	1.107875	Y
7	IC 480-613702/15	50.0	55.432957	25.0	187559.0	1.108659	Y
8	IC 480-613702/16	100.0	118.531363	25.0	208050.0	1.185314	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

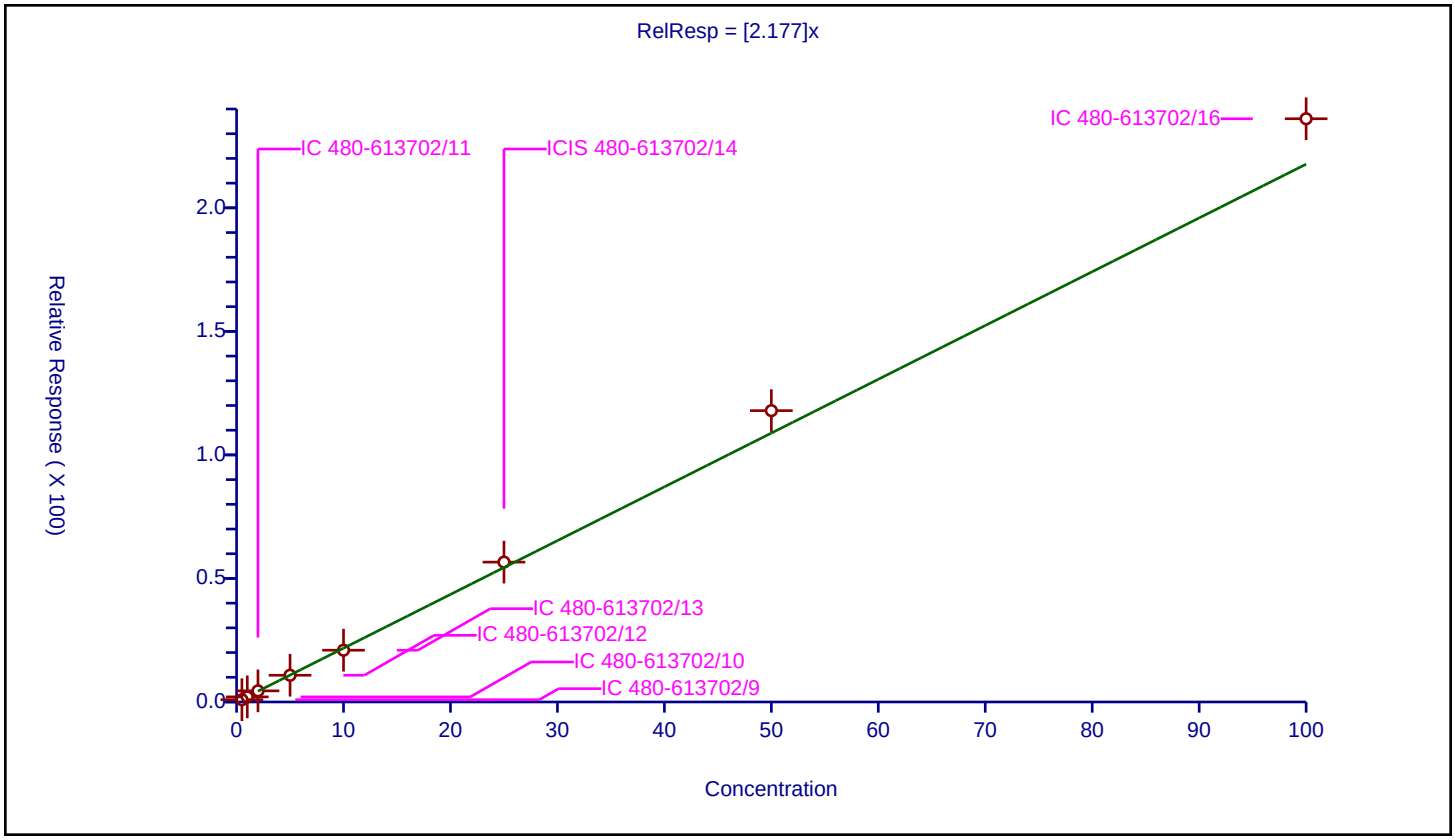
Curve Coefficients

Intercept:	0
Slope:	2.177

Error Coefficients

Standard Error:	834000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.925403	25.0	193132.0	1.850807	Y
2	IC 480-613702/10	1.0	2.067893	25.0	204411.0	2.067893	Y
3	IC 480-613702/11	2.0	4.505	25.0	209606.0	2.2525	Y
4	IC 480-613702/12	5.0	10.81985	25.0	192029.0	2.16397	Y
5	IC 480-613702/13	10.0	20.952922	25.0	191978.0	2.095292	Y
6	ICIS 480-613702/14	25.0	56.618435	25.0	196931.0	2.264737	Y
7	IC 480-613702/15	50.0	117.916629	25.0	187559.0	2.358333	Y
8	IC 480-613702/16	100.0	236.060202	25.0	208050.0	2.360602	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

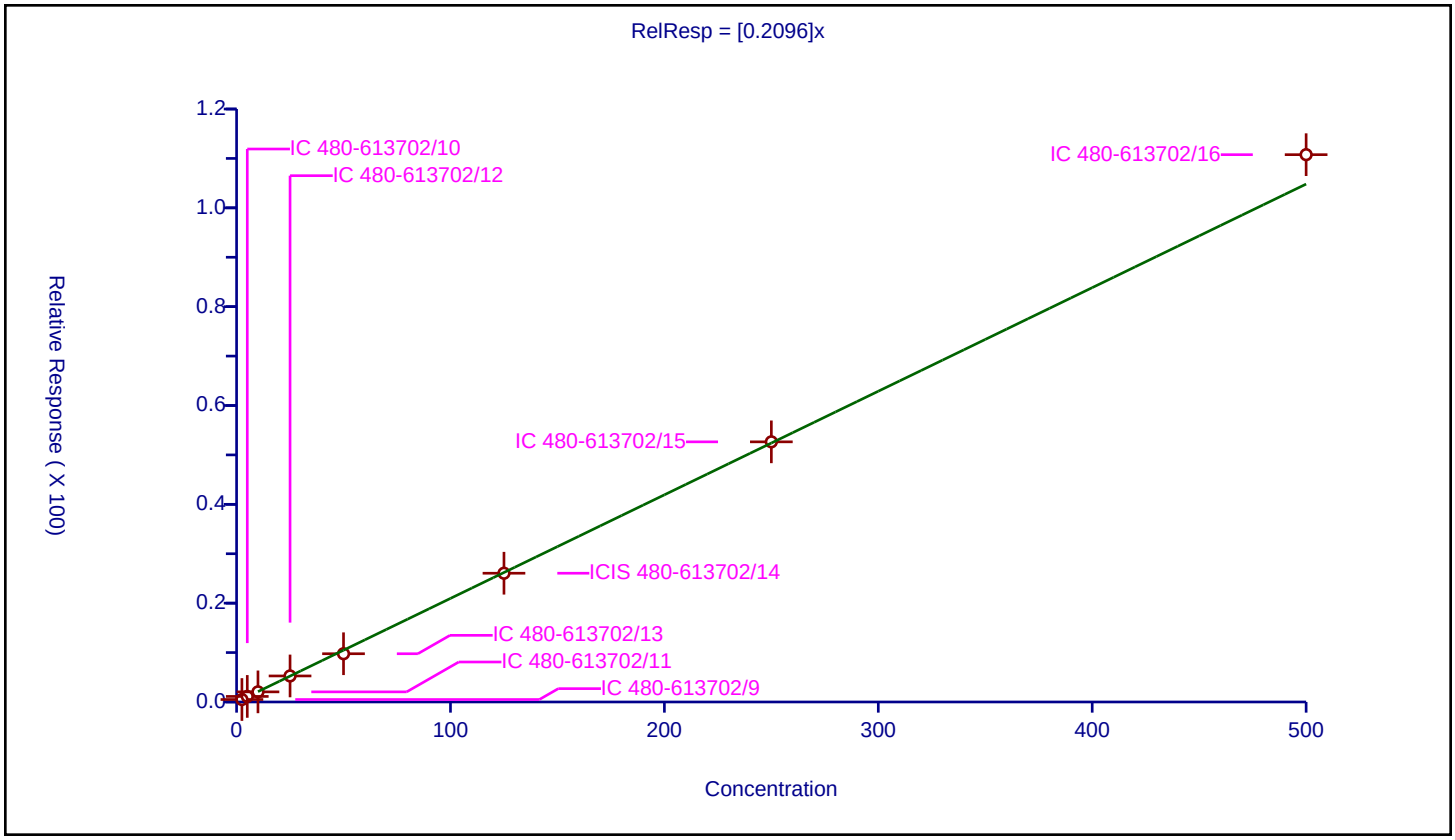
Curve Coefficients

Intercept:	0
Slope:	0.2096

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	4.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	2.5	0.50023	25.0	705876.0	0.200092	Y
2	IC 480-613702/10	5.0	1.126245	25.0	748394.0	0.225249	Y
3	IC 480-613702/11	10.0	2.049179	25.0	749971.0	0.204918	Y
4	IC 480-613702/12	25.0	5.271398	25.0	708664.0	0.210856	Y
5	IC 480-613702/13	50.0	9.763476	25.0	730708.0	0.19527	Y
6	ICIS 480-613702/14	125.0	26.059027	25.0	726327.0	0.208472	Y
7	IC 480-613702/15	250.0	52.64762	25.0	702310.0	0.21059	Y
8	IC 480-613702/16	500.0	110.76185	25.0	779989.0	0.221524	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

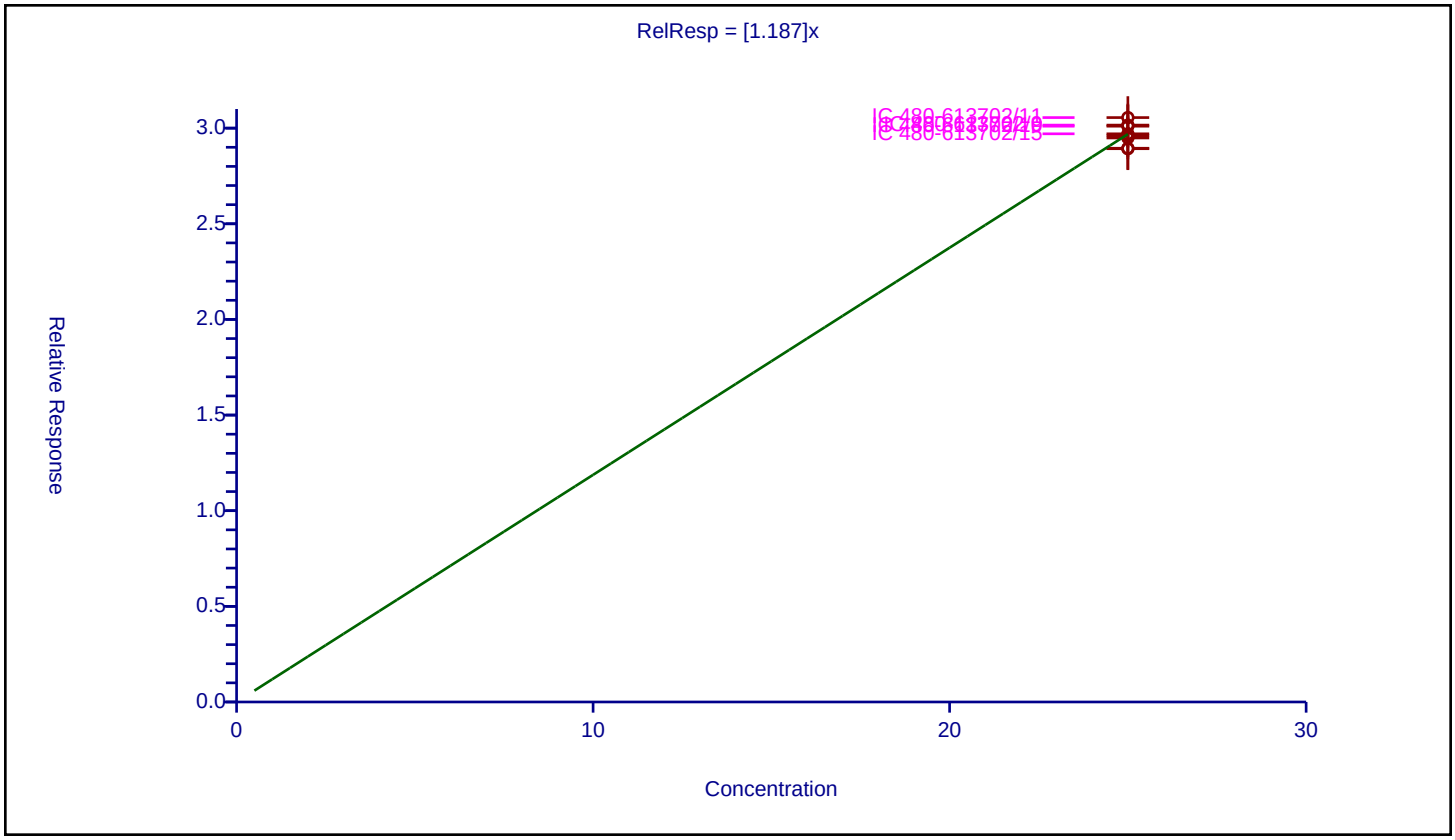
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	929000
Relative Standard Error:	1.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	25.0	30.159334	25.0	705876.0	1.206373	Y
2	IC 480-613702/10	25.0	30.101491	25.0	748394.0	1.20406	Y
3	IC 480-613702/11	25.0	30.552715	25.0	749971.0	1.222109	Y
4	IC 480-613702/12	25.0	29.486259	25.0	708664.0	1.17945	Y
5	IC 480-613702/13	25.0	28.924755	25.0	730708.0	1.15699	Y
6	ICIS 480-613702/14	25.0	28.949943	25.0	726327.0	1.157998	Y
7	IC 480-613702/15	25.0	29.704048	25.0	702310.0	1.188162	Y
8	IC 480-613702/16	25.0	29.607405	25.0	779989.0	1.184296	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

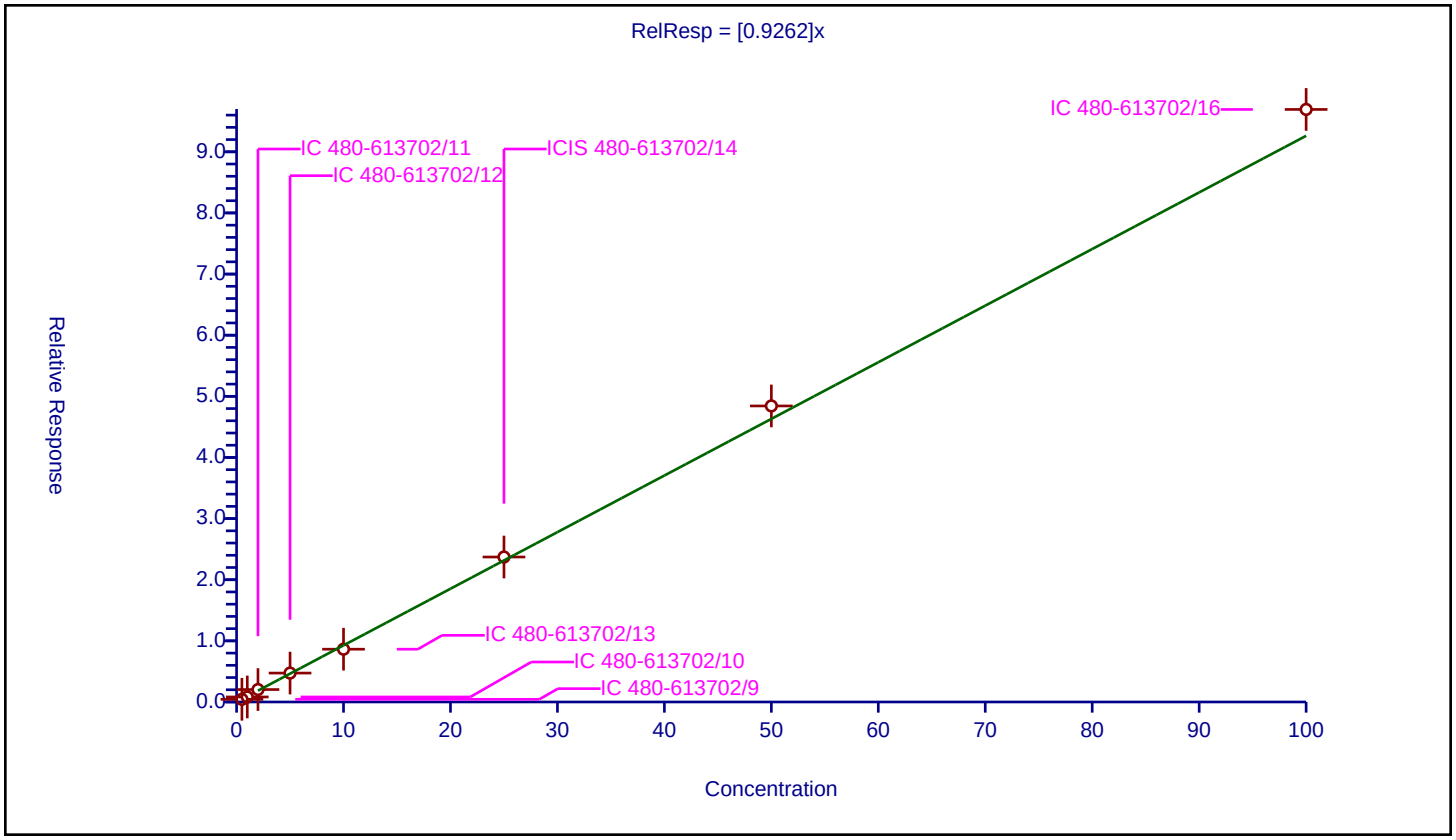
Curve Coefficients

Intercept:	0
Slope:	0.9262

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.437187	25.0	705876.0	0.874375	Y
2	IC 480-613702/10	1.0	0.822294	25.0	748394.0	0.822294	Y
3	IC 480-613702/11	2.0	2.033412	25.0	749971.0	1.016706	Y
4	IC 480-613702/12	5.0	4.730874	25.0	708664.0	0.946175	Y
5	IC 480-613702/13	10.0	8.632826	25.0	730708.0	0.863283	Y
6	ICIS 480-613702/14	25.0	23.71511	25.0	726327.0	0.948604	Y
7	IC 480-613702/15	50.0	48.428329	25.0	702310.0	0.968567	Y
8	IC 480-613702/16	100.0	96.931655	25.0	779989.0	0.969317	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

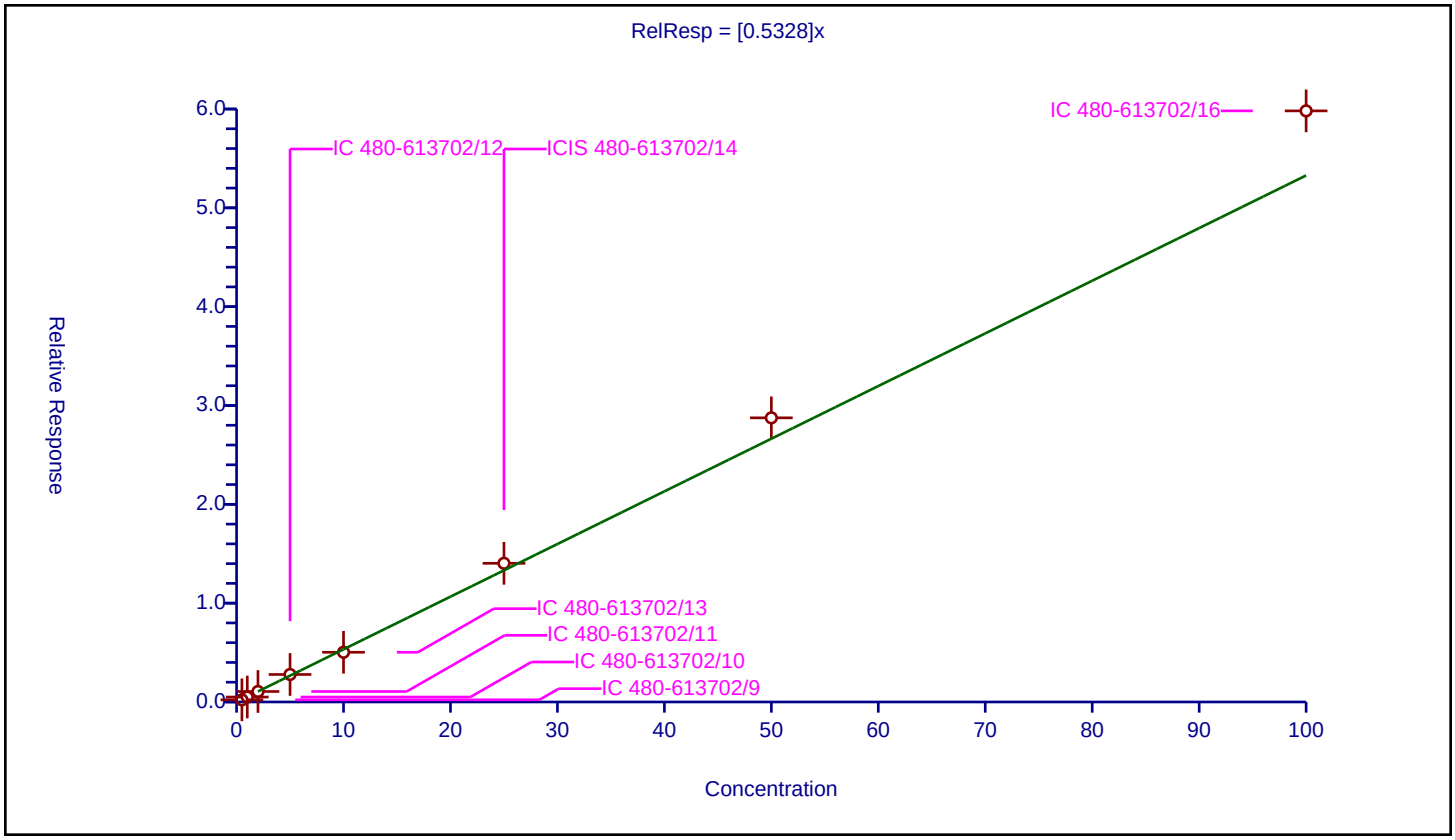
Curve Coefficients

Intercept:	0
Slope:	0.5328

Error Coefficients

Standard Error:	786000
Relative Standard Error:	9.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.218771	25.0	705876.0	0.437541	Y
2	IC 480-613702/10	1.0	0.499804	25.0	748394.0	0.499804	Y
3	IC 480-613702/11	2.0	1.061741	25.0	749971.0	0.530871	Y
4	IC 480-613702/12	5.0	2.781995	25.0	708664.0	0.556399	Y
5	IC 480-613702/13	10.0	5.031114	25.0	730708.0	0.503111	Y
6	ICIS 480-613702/14	25.0	14.033211	25.0	726327.0	0.561328	Y
7	IC 480-613702/15	50.0	28.75105	25.0	702310.0	0.575021	Y
8	IC 480-613702/16	100.0	59.812382	25.0	779989.0	0.598124	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

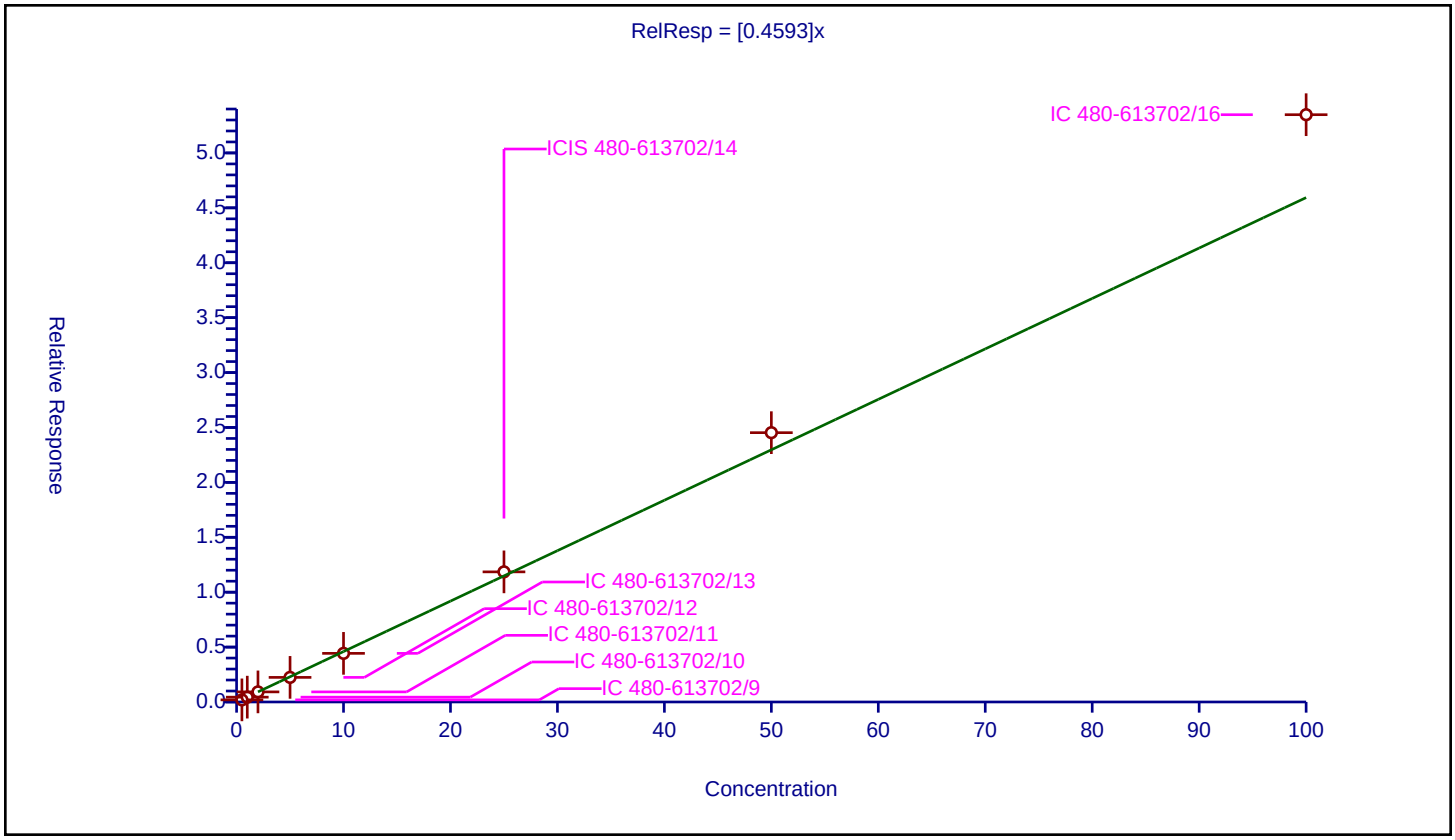
Curve Coefficients

Intercept:	0
Slope:	0.4593

Error Coefficients

Standard Error:	697000
Relative Standard Error:	9.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.19235	25.0	705876.0	0.384699	Y
2	IC 480-613702/10	1.0	0.440343	25.0	748394.0	0.440343	Y
3	IC 480-613702/11	2.0	0.918202	25.0	749971.0	0.459101	Y
4	IC 480-613702/12	5.0	2.241401	25.0	708664.0	0.44828	Y
5	IC 480-613702/13	10.0	4.427829	25.0	730708.0	0.442783	Y
6	ICIS 480-613702/14	25.0	11.85	25.0	726327.0	0.474	Y
7	IC 480-613702/15	50.0	24.527203	25.0	702310.0	0.490544	Y
8	IC 480-613702/16	100.0	53.482581	25.0	779989.0	0.534826	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

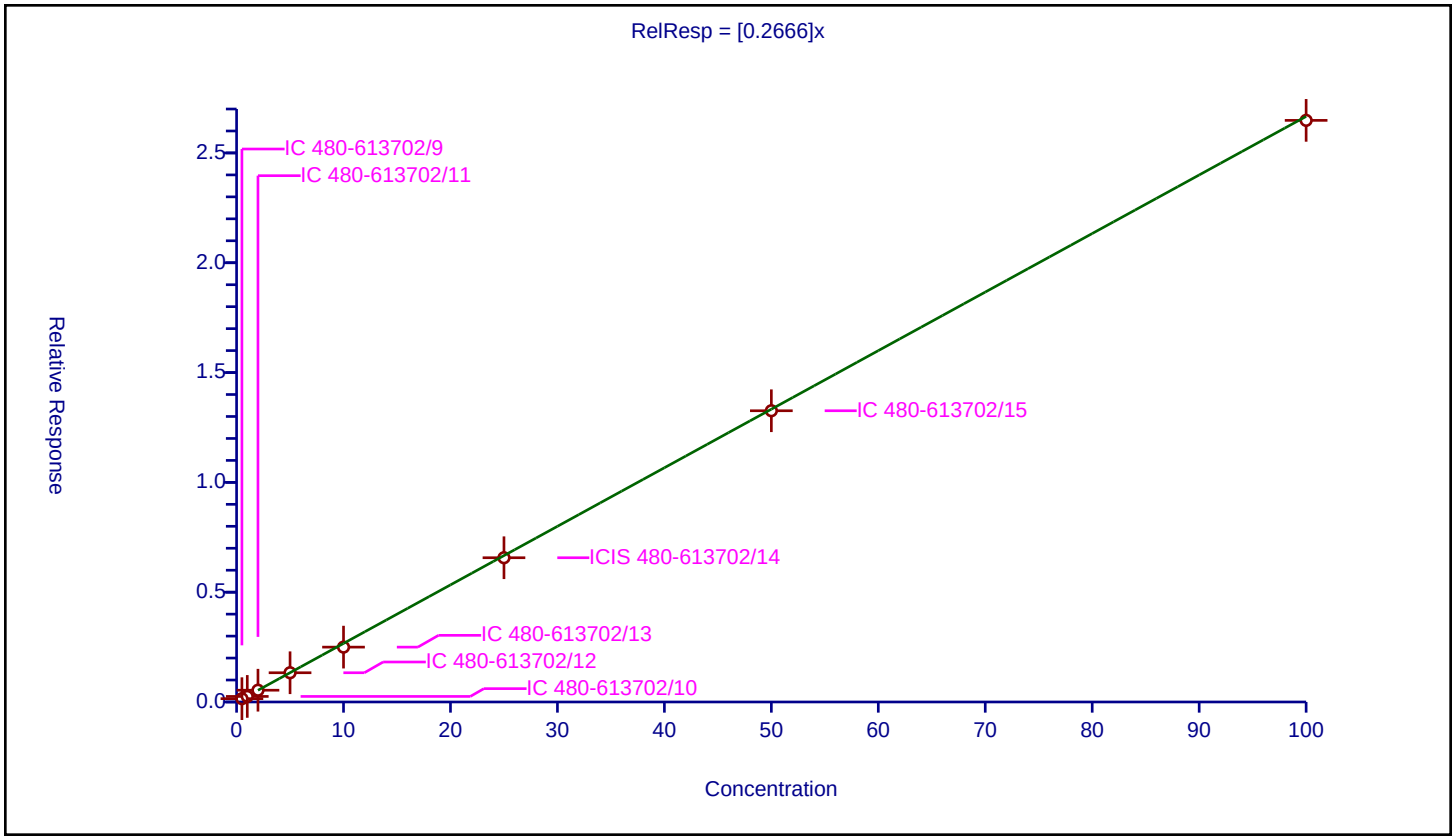
Curve Coefficients

Intercept:	0
Slope:	0.2666

Error Coefficients

Standard Error:	352000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.151478	25.0	705876.0	0.302957	Y
2	IC 480-613702/10	1.0	0.253409	25.0	748394.0	0.253409	Y
3	IC 480-613702/11	2.0	0.535487	25.0	749971.0	0.267744	Y
4	IC 480-613702/12	5.0	1.331872	25.0	708664.0	0.266374	Y
5	IC 480-613702/13	10.0	2.49768	25.0	730708.0	0.249768	Y
6	ICIS 480-613702/14	25.0	6.568219	25.0	726327.0	0.262729	Y
7	IC 480-613702/15	50.0	13.261309	25.0	702310.0	0.265226	Y
8	IC 480-613702/16	100.0	26.482745	25.0	779989.0	0.264827	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

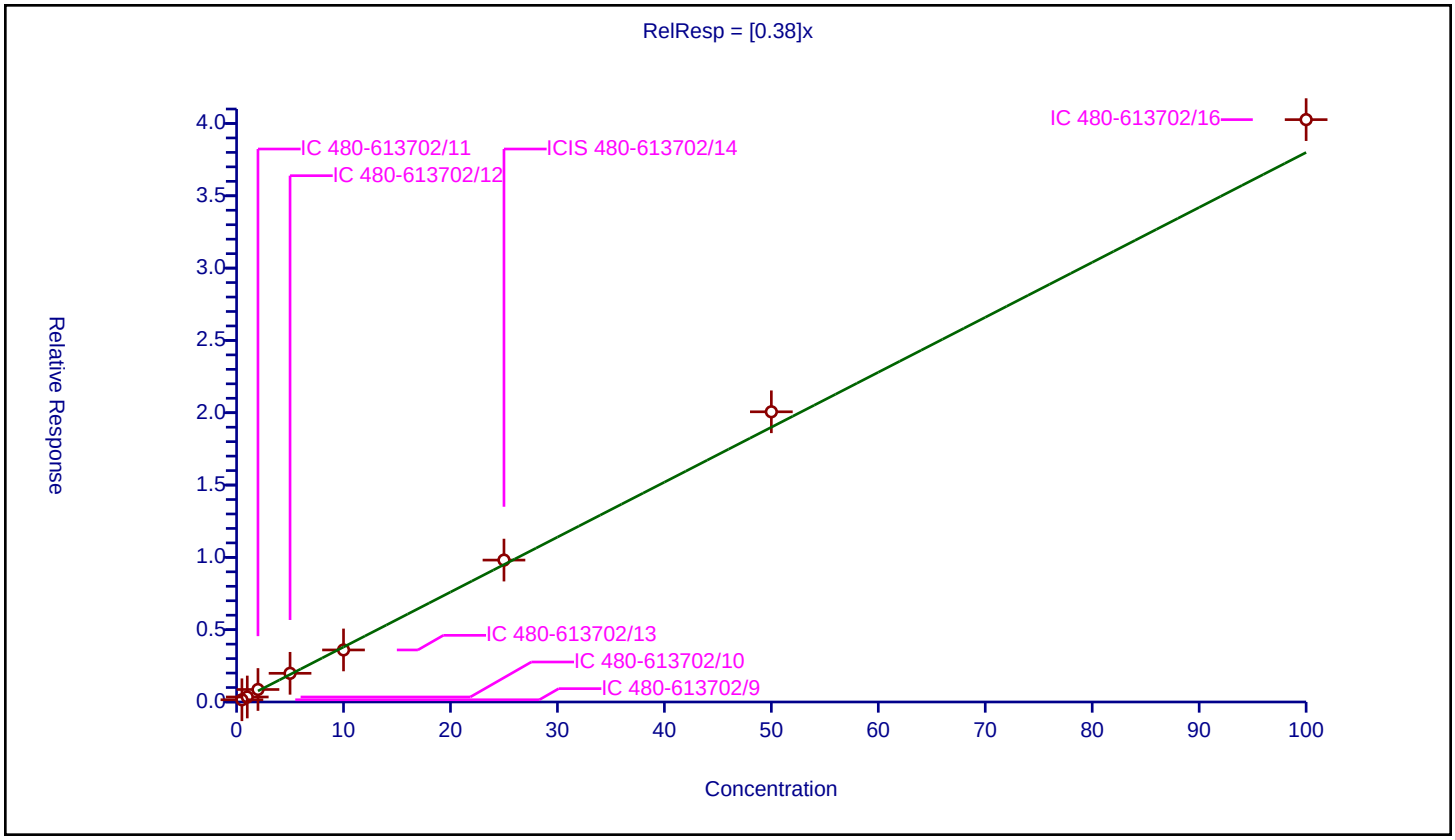
Curve Coefficients

Intercept:	0
Slope:	0.38

Error Coefficients

Standard Error:	533000
Relative Standard Error:	10.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.154383	25.0	705876.0	0.308765	Y
2	IC 480-613702/10	1.0	0.346141	25.0	748394.0	0.346141	Y
3	IC 480-613702/11	2.0	0.863633	25.0	749971.0	0.431817	Y
4	IC 480-613702/12	5.0	1.982816	25.0	708664.0	0.396563	Y
5	IC 480-613702/13	10.0	3.599044	25.0	730708.0	0.359904	Y
6	ICIS 480-613702/14	25.0	9.812695	25.0	726327.0	0.392508	Y
7	IC 480-613702/15	50.0	20.064501	25.0	702310.0	0.40129	Y
8	IC 480-613702/16	100.0	40.265888	25.0	779989.0	0.402659	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

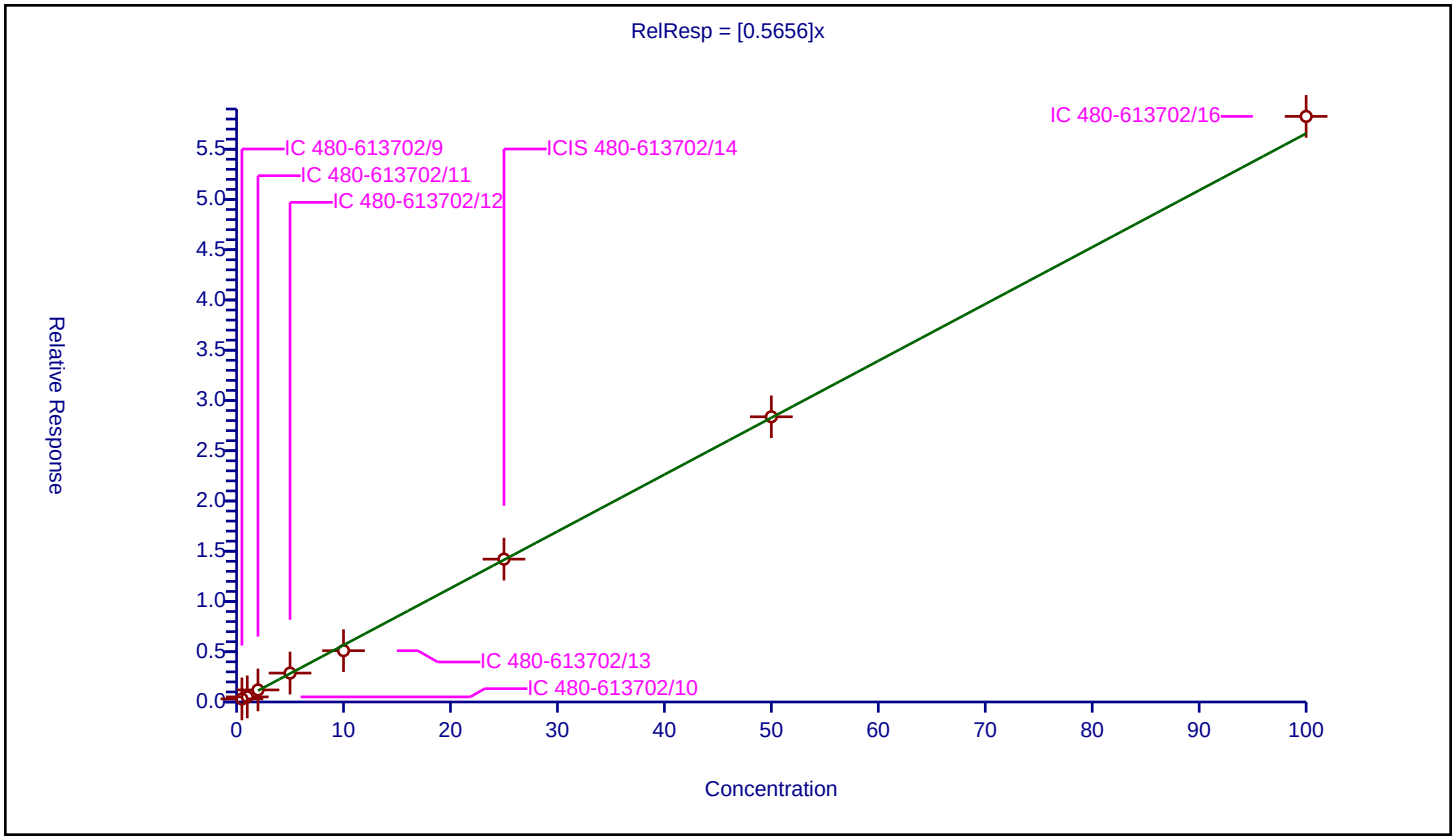
Curve Coefficients

Intercept:	0
Slope:	0.5656

Error Coefficients

Standard Error:	769000
Relative Standard Error:	6.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.306711	25.0	705876.0	0.613422	Y
2	IC 480-613702/10	1.0	0.506885	25.0	748394.0	0.506885	Y
3	IC 480-613702/11	2.0	1.200113	25.0	749971.0	0.600057	Y
4	IC 480-613702/12	5.0	2.877104	25.0	708664.0	0.575421	Y
5	IC 480-613702/13	10.0	5.106315	25.0	730708.0	0.510631	Y
6	ICIS 480-613702/14	25.0	14.212779	25.0	726327.0	0.568511	Y
7	IC 480-613702/15	50.0	28.37739	25.0	702310.0	0.567548	Y
8	IC 480-613702/16	100.0	58.264187	25.0	779989.0	0.582642	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

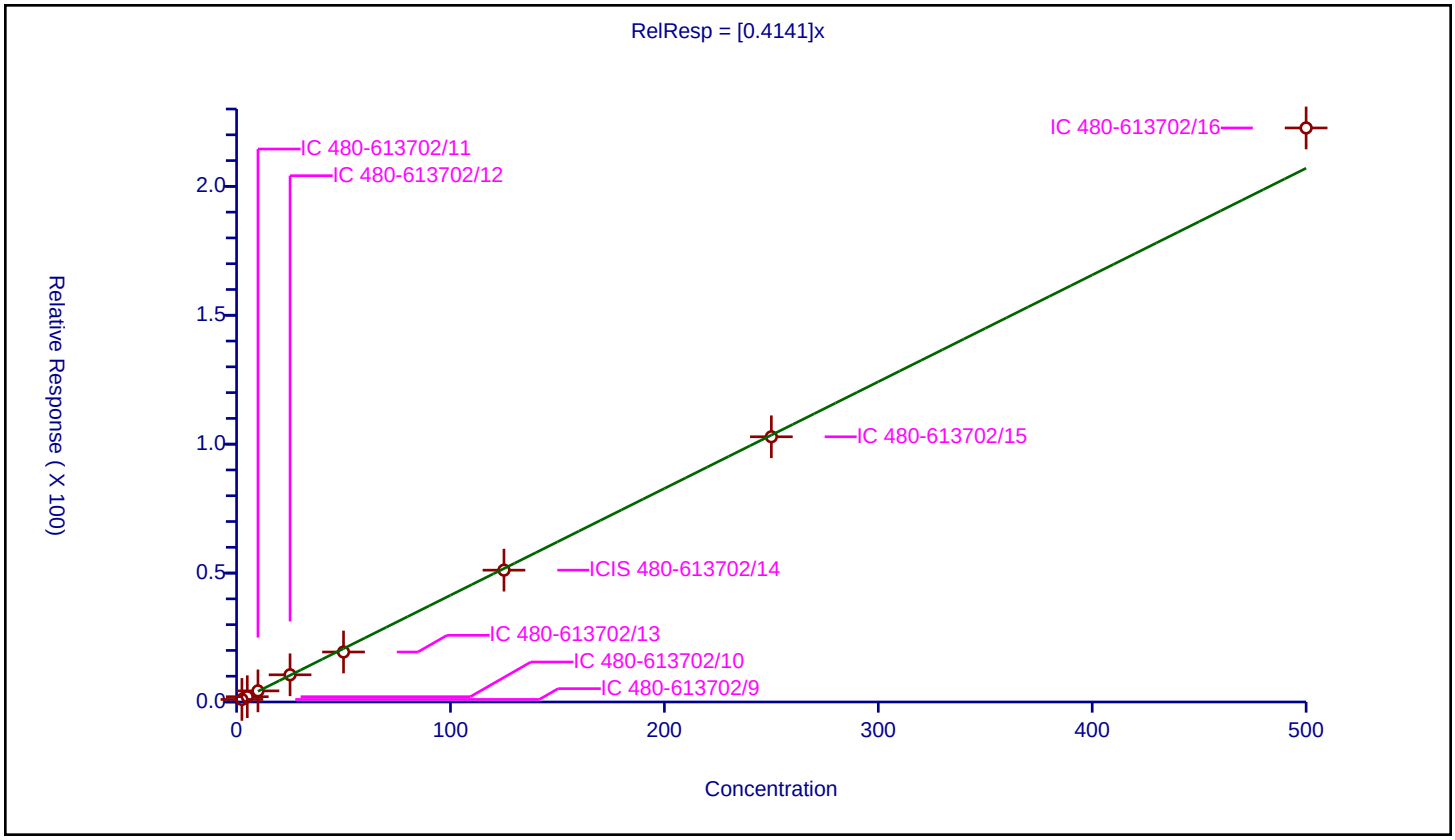
Curve Coefficients

Intercept:	0
Slope:	0.4141

Error Coefficients

Standard Error:	2910000
Relative Standard Error:	4.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	2.5	0.990153	25.0	705876.0	0.396061	Y
2	IC 480-613702/10	5.0	2.049789	25.0	748394.0	0.409958	Y
3	IC 480-613702/11	10.0	4.310133	25.0	749971.0	0.431013	Y
4	IC 480-613702/12	25.0	10.545548	25.0	708664.0	0.421822	Y
5	IC 480-613702/13	50.0	19.392664	25.0	730708.0	0.387853	Y
6	ICIS 480-613702/14	125.0	51.136919	25.0	726327.0	0.409095	Y
7	IC 480-613702/15	250.0	102.865722	25.0	702310.0	0.411463	Y
8	IC 480-613702/16	500.0	222.659582	25.0	779989.0	0.445319	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

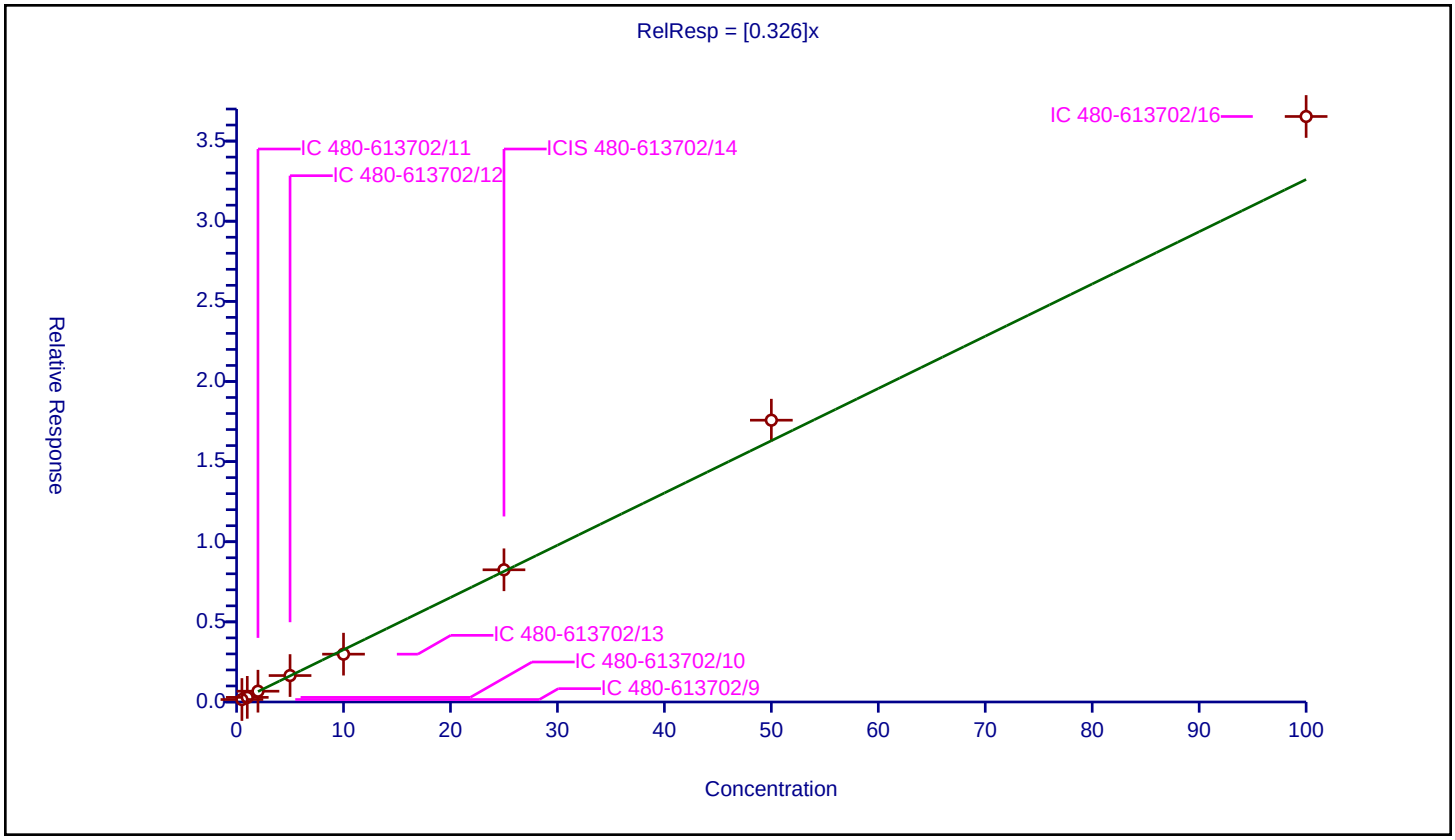
Curve Coefficients

Intercept:	0
Slope:	0.326

Error Coefficients

Standard Error:	480000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.153851	25.0	705876.0	0.307703	Y
2	IC 480-613702/10	1.0	0.288651	25.0	748394.0	0.288651	Y
3	IC 480-613702/11	2.0	0.673159	25.0	749971.0	0.33658	Y
4	IC 480-613702/12	5.0	1.649795	25.0	708664.0	0.329959	Y
5	IC 480-613702/13	10.0	2.984708	25.0	730708.0	0.298471	Y
6	ICIS 480-613702/14	25.0	8.249177	25.0	726327.0	0.329967	Y
7	IC 480-613702/15	50.0	17.582905	25.0	702310.0	0.351658	Y
8	IC 480-613702/16	100.0	36.533272	25.0	779989.0	0.365333	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

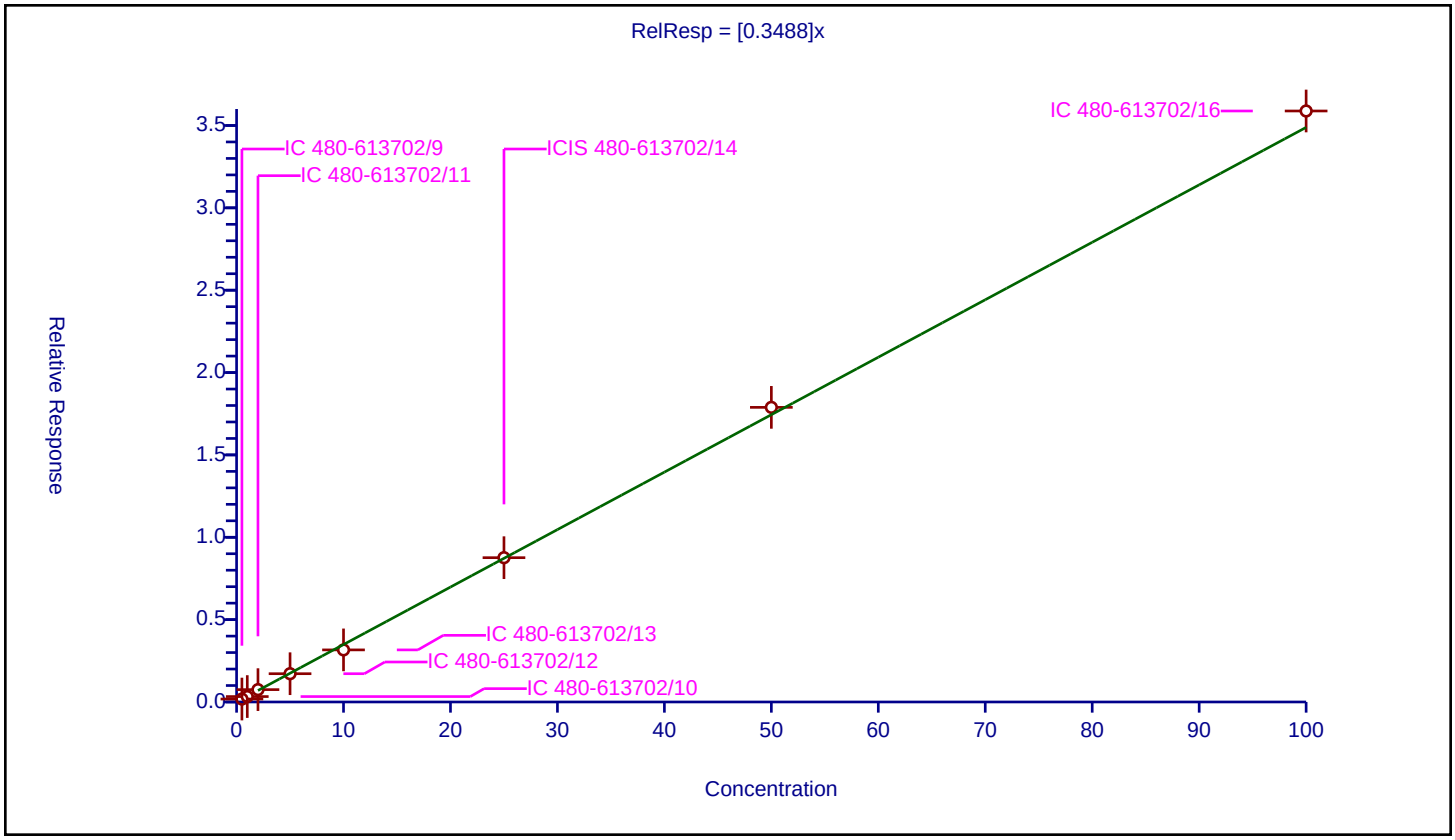
Curve Coefficients

Intercept:	0
Slope:	0.3488

Error Coefficients

Standard Error:	475000
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.179564	25.0	705876.0	0.359128	Y
2	IC 480-613702/10	1.0	0.330007	25.0	748394.0	0.330007	Y
3	IC 480-613702/11	2.0	0.749662	25.0	749971.0	0.374831	Y
4	IC 480-613702/12	5.0	1.717598	25.0	708664.0	0.34352	Y
5	IC 480-613702/13	10.0	3.163199	25.0	730708.0	0.31632	Y
6	ICIS 480-613702/14	25.0	8.761068	25.0	726327.0	0.350443	Y
7	IC 480-613702/15	50.0	17.88708	25.0	702310.0	0.357742	Y
8	IC 480-613702/16	100.0	35.880185	25.0	779989.0	0.358802	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

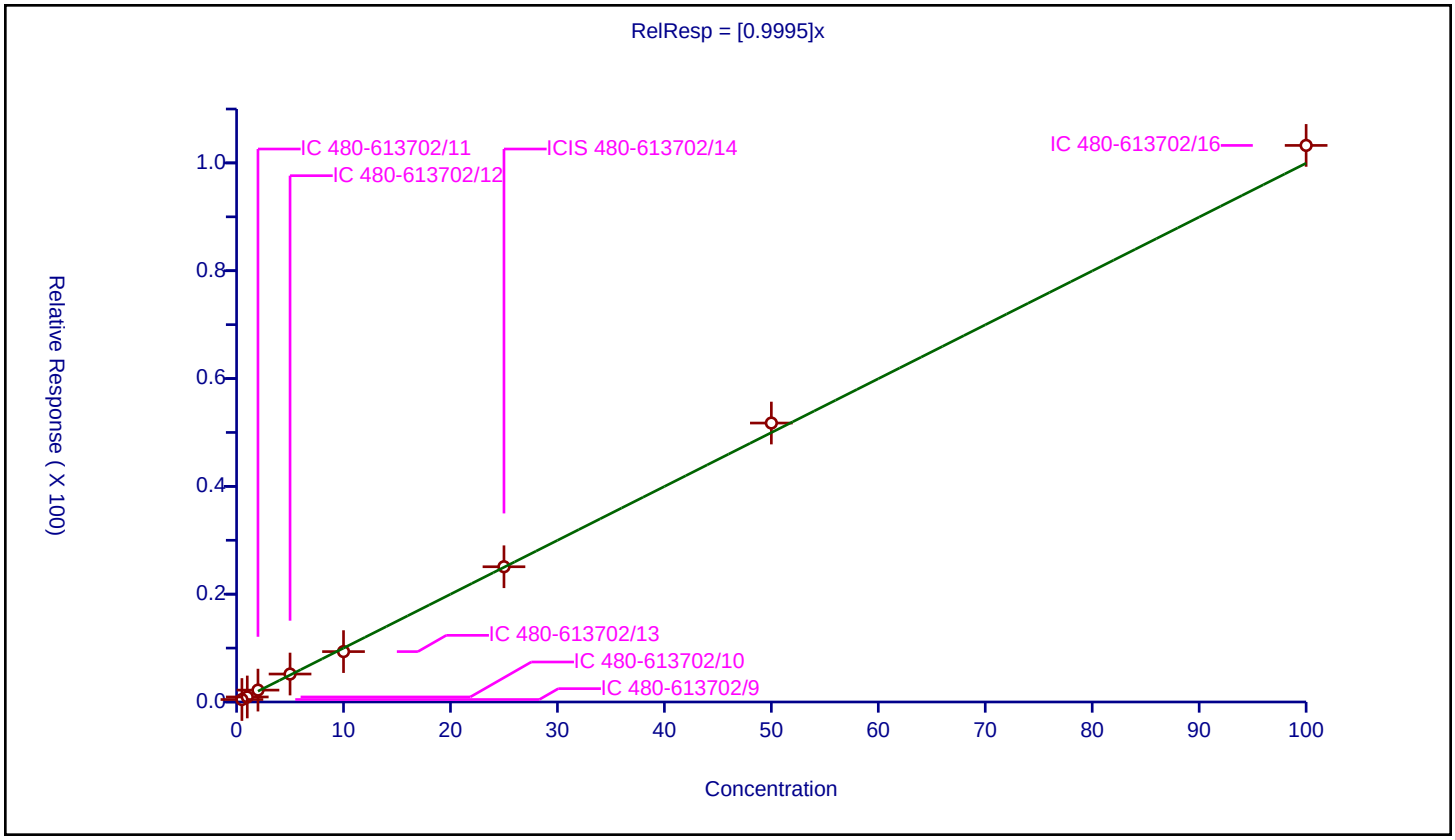
Curve Coefficients

Intercept:	0
Slope:	0.9995

Error Coefficients

Standard Error:	1370000
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 480-613702/9	0.5	0.459287	25.0	705876.0	0.918575	Y
2	IC 480-613702/10	1.0	0.932697	25.0	748394.0	0.932697	Y
3	IC 480-613702/11	2.0	2.203085	25.0	749971.0	1.101543	Y
4	IC 480-613702/12	5.0	5.186767	25.0	708664.0	1.037353	Y
5	IC 480-613702/13	10.0	9.347065	25.0	730708.0	0.934706	Y
6	ICIS 480-613702/14	25.0	25.090008	25.0	726327.0	1.0036	Y
7	IC 480-613702/15	50.0	51.744707	25.0	702310.0	1.034894	Y
8	IC 480-613702/16	100.0	103.248796	25.0	779989.0	1.032488	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

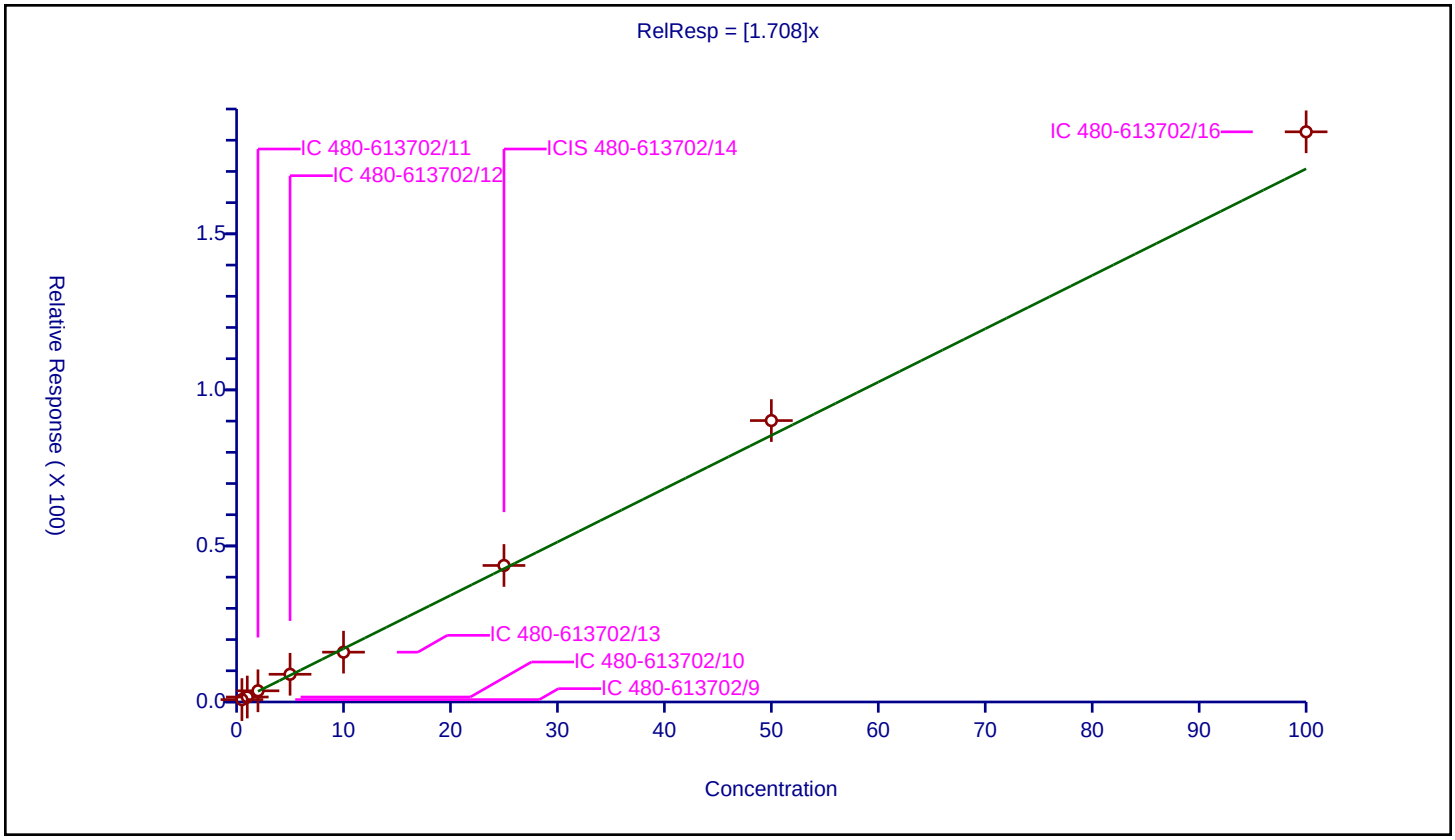
Curve Coefficients

Intercept:	0
Slope:	1.708

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	6.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.764688	25.0	705876.0	1.529376	Y
2	IC 480-613702/10	1.0	1.594281	25.0	748394.0	1.594281	Y
3	IC 480-613702/11	2.0	3.582172	25.0	749971.0	1.791086	Y
4	IC 480-613702/12	5.0	8.879808	25.0	708664.0	1.775962	Y
5	IC 480-613702/13	10.0	15.965167	25.0	730708.0	1.596517	Y
6	ICIS 480-613702/14	25.0	43.741008	25.0	726327.0	1.74964	Y
7	IC 480-613702/15	50.0	90.170687	25.0	702310.0	1.803414	Y
8	IC 480-613702/16	100.0	182.691743	25.0	779989.0	1.826917	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

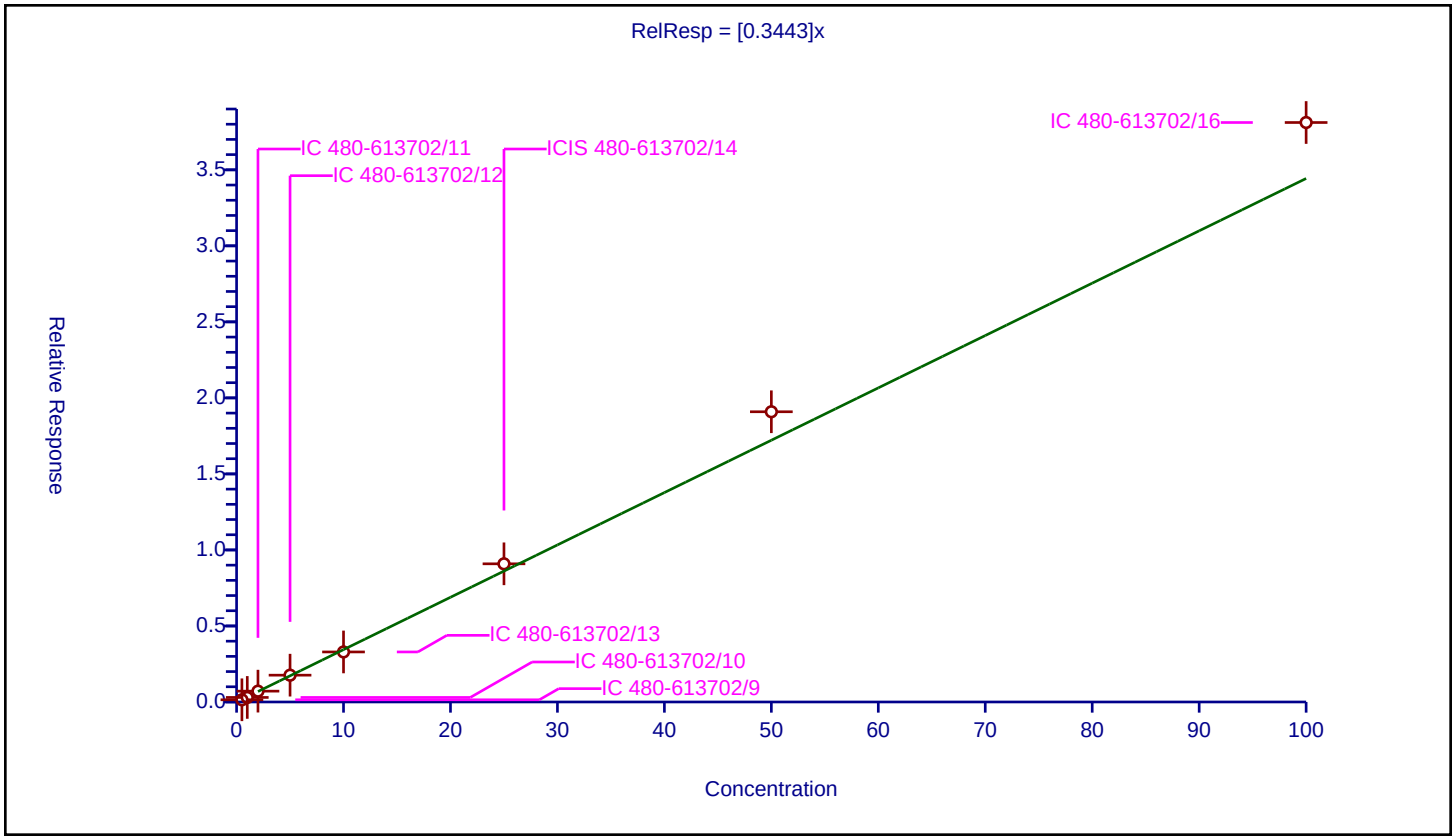
Curve Coefficients

Intercept:	0
Slope:	0.3443

Error Coefficients

Standard Error:	505000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.14528	25.0	705876.0	0.290561	Y
2	IC 480-613702/10	1.0	0.299274	25.0	748394.0	0.299274	Y
3	IC 480-613702/11	2.0	0.712828	25.0	749971.0	0.356414	Y
4	IC 480-613702/12	5.0	1.763283	25.0	708664.0	0.352657	Y
5	IC 480-613702/13	10.0	3.291636	25.0	730708.0	0.329164	Y
6	ICIS 480-613702/14	25.0	9.087057	25.0	726327.0	0.363482	Y
7	IC 480-613702/15	50.0	19.088722	25.0	702310.0	0.381774	Y
8	IC 480-613702/16	100.0	38.113294	25.0	779989.0	0.381133	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

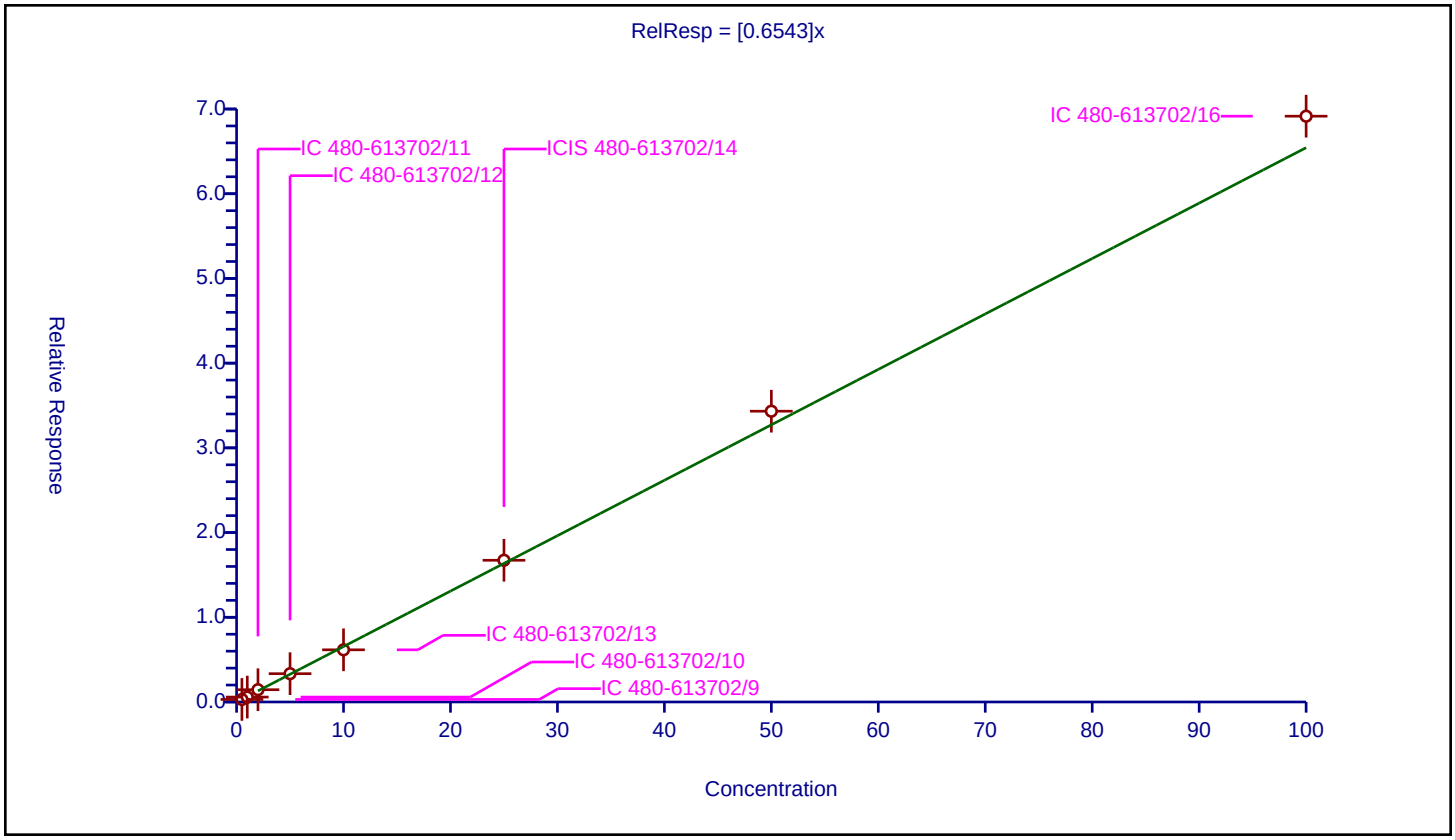
Curve Coefficients

Intercept:	0
Slope:	0.6543

Error Coefficients

Standard Error:	915000
Relative Standard Error:	7.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.299274	25.0	705876.0	0.598547	Y
2	IC 480-613702/10	1.0	0.580309	25.0	748394.0	0.580309	Y
3	IC 480-613702/11	2.0	1.448589	25.0	749971.0	0.724295	Y
4	IC 480-613702/12	5.0	3.342416	25.0	708664.0	0.668483	Y
5	IC 480-613702/13	10.0	6.158616	25.0	730708.0	0.615862	Y
6	ICIS 480-613702/14	25.0	16.729758	25.0	726327.0	0.66919	Y
7	IC 480-613702/15	50.0	34.328003	25.0	702310.0	0.68656	Y
8	IC 480-613702/16	100.0	69.152033	25.0	779989.0	0.69152	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

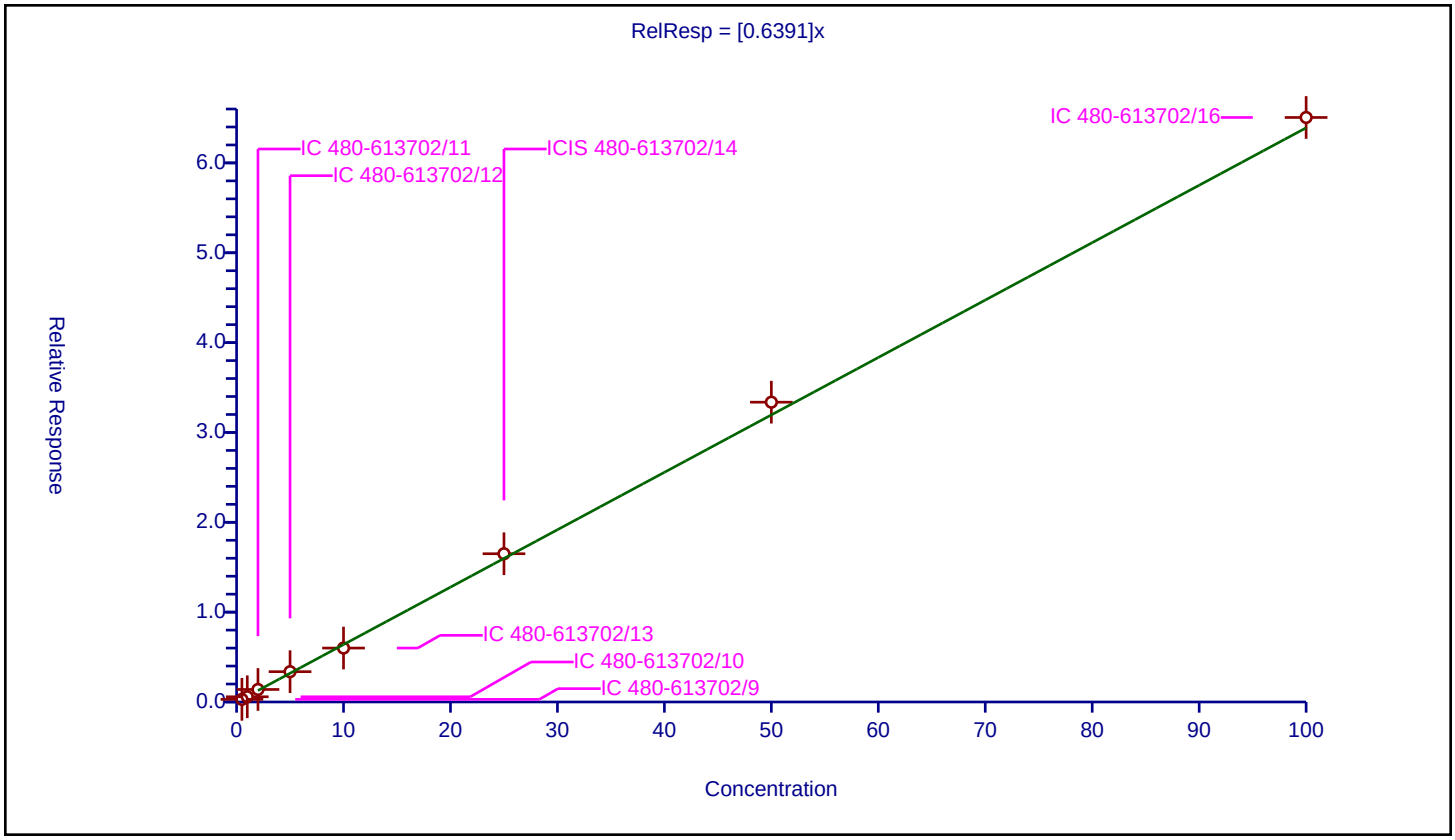
Curve Coefficients

Intercept:	0
Slope:	0.6391

Error Coefficients

Standard Error:	868000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.291659	25.0	705876.0	0.583318	Y
2	IC 480-613702/10	1.0	0.580176	25.0	748394.0	0.580176	Y
3	IC 480-613702/11	2.0	1.392054	25.0	749971.0	0.696027	Y
4	IC 480-613702/12	5.0	3.373319	25.0	708664.0	0.674664	Y
5	IC 480-613702/13	10.0	6.001679	25.0	730708.0	0.600168	Y
6	ICIS 480-613702/14	25.0	16.50183	25.0	726327.0	0.660073	Y
7	IC 480-613702/15	50.0	33.369737	25.0	702310.0	0.667395	Y
8	IC 480-613702/16	100.0	65.060341	25.0	779989.0	0.650603	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

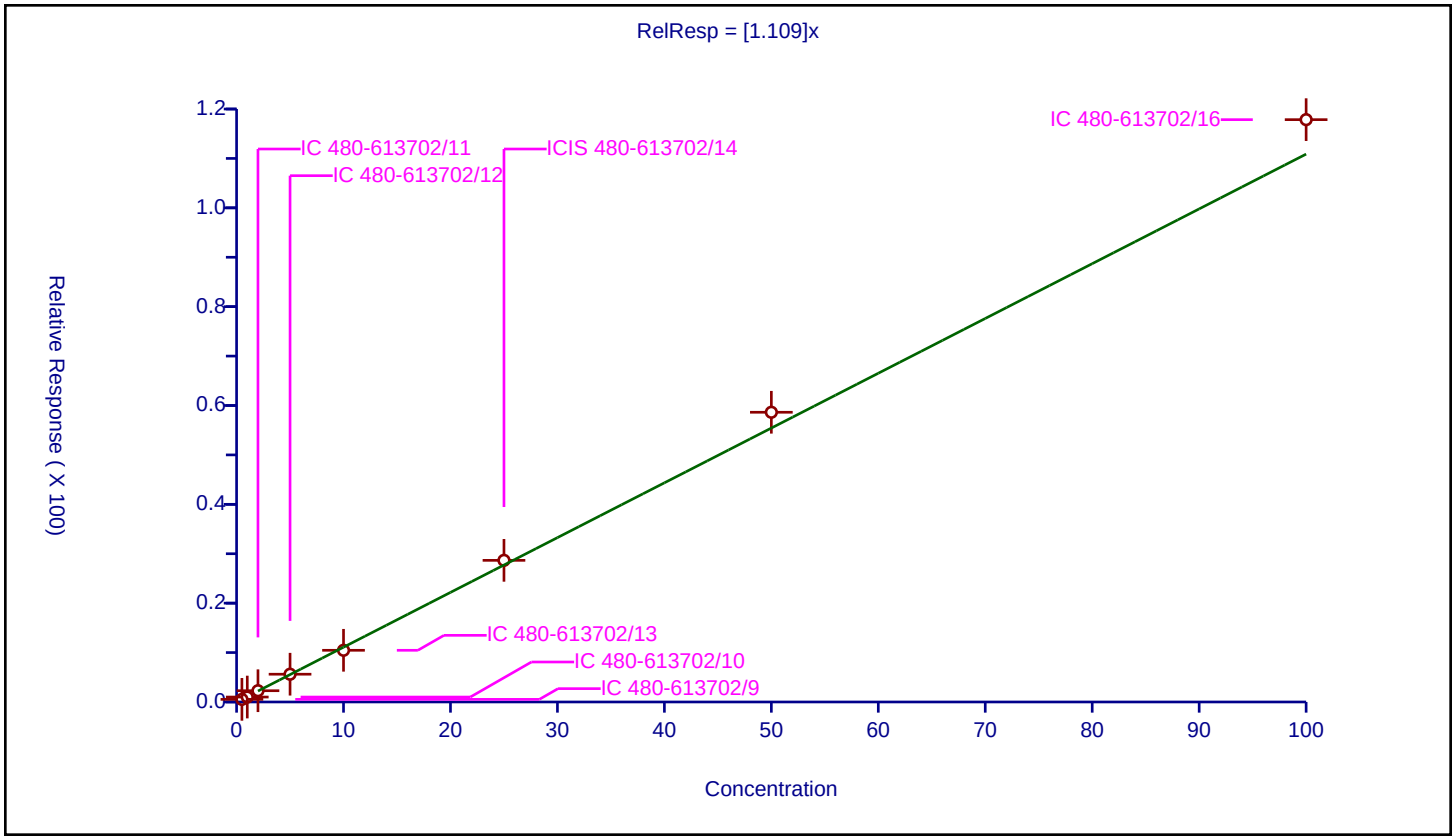
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	5.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.530228	25.0	705876.0	1.060455	Y
2	IC 480-613702/10	1.0	1.000843	25.0	748394.0	1.000843	Y
3	IC 480-613702/11	2.0	2.282322	25.0	749971.0	1.141161	Y
4	IC 480-613702/12	5.0	5.619588	25.0	708664.0	1.123918	Y
5	IC 480-613702/13	10.0	10.458521	25.0	730708.0	1.045852	Y
6	ICIS 480-613702/14	25.0	28.661815	25.0	726327.0	1.146473	Y
7	IC 480-613702/15	50.0	58.632691	25.0	702310.0	1.172654	Y
8	IC 480-613702/16	100.0	117.846918	25.0	779989.0	1.178469	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

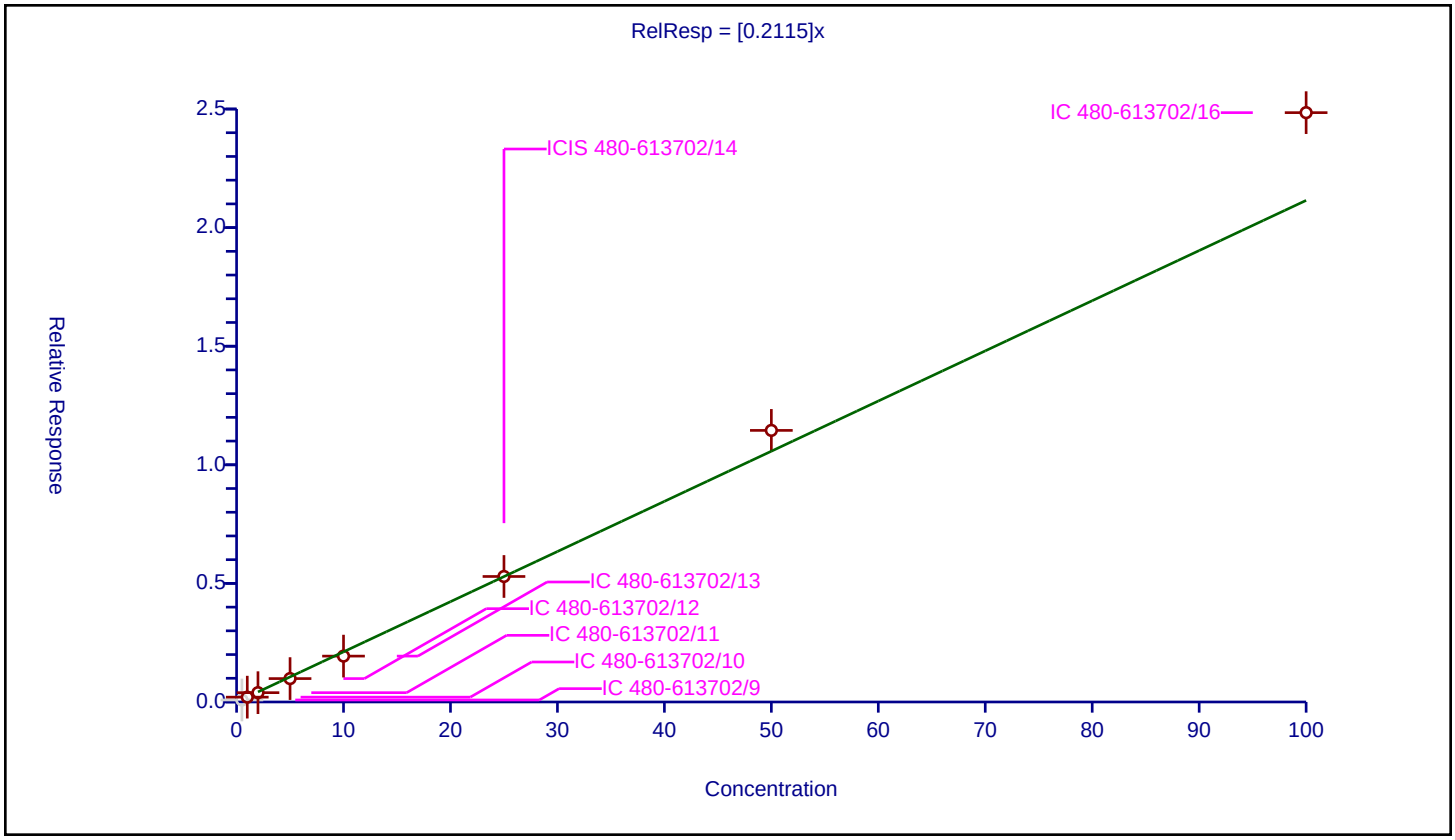
Curve Coefficients

Intercept:	0
Slope:	0.2115

Error Coefficients

Standard Error:	349000
Relative Standard Error:	9.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.08454	25.0	705876.0	0.169081	N
2	IC 480-613702/10	1.0	0.20407	25.0	748394.0	0.20407	Y
3	IC 480-613702/11	2.0	0.392949	25.0	749971.0	0.196474	Y
4	IC 480-613702/12	5.0	0.986187	25.0	708664.0	0.197237	Y
5	IC 480-613702/13	10.0	1.933775	25.0	730708.0	0.193378	Y
6	ICIS 480-613702/14	25.0	5.291831	25.0	726327.0	0.211673	Y
7	IC 480-613702/15	50.0	11.45025	25.0	702310.0	0.229005	Y
8	IC 480-613702/16	100.0	24.84737	25.0	779989.0	0.248474	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

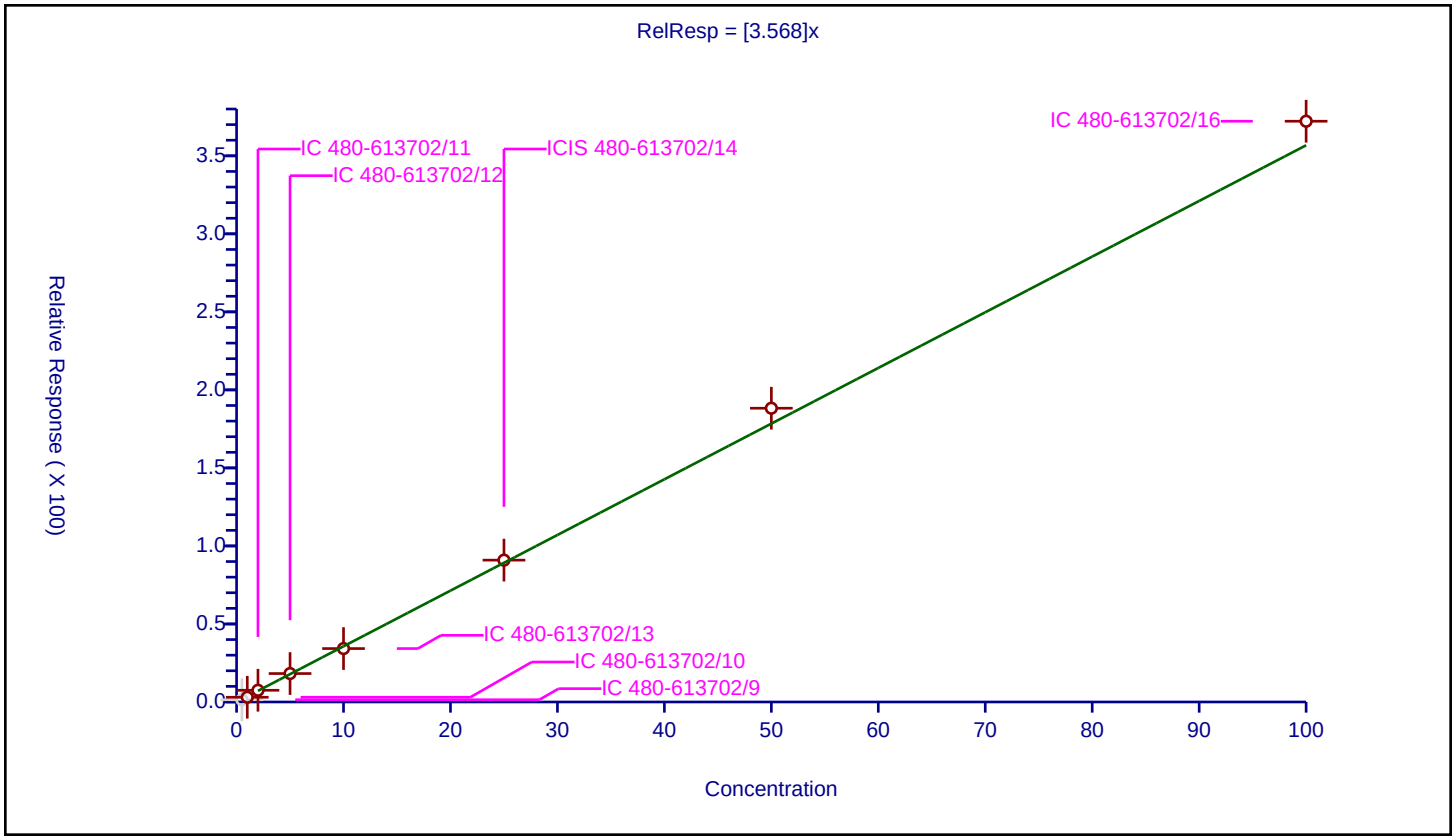
Curve Coefficients

Intercept:	0
Slope:	3.568

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.445509	25.0	338393.0	2.891017	N
2	IC 480-613702/10	1.0	3.02475	25.0	363030.0	3.02475	Y
3	IC 480-613702/11	2.0	7.514832	25.0	360191.0	3.757416	Y
4	IC 480-613702/12	5.0	18.219163	25.0	345127.0	3.643833	Y
5	IC 480-613702/13	10.0	34.241721	25.0	347979.0	3.424172	Y
6	ICIS 480-613702/14	25.0	90.896745	25.0	350685.0	3.63587	Y
7	IC 480-613702/15	50.0	188.254234	25.0	334727.0	3.765085	Y
8	IC 480-613702/16	100.0	372.180637	25.0	374863.0	3.721806	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

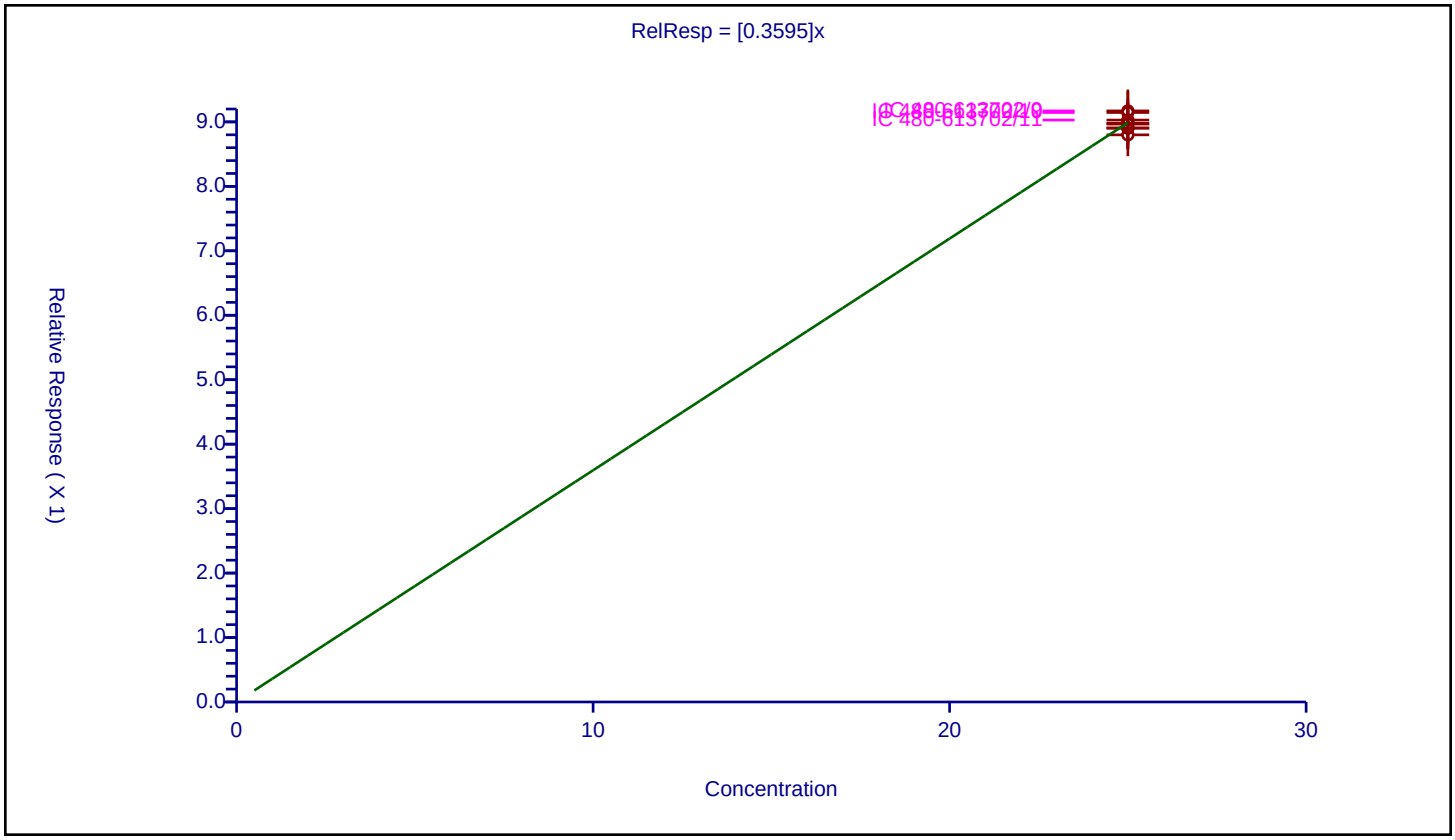
Curve Coefficients

Intercept:	0
Slope:	0.3595

Error Coefficients

Standard Error:	281000
Relative Standard Error:	1.4
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	25.0	9.170662	25.0	705876.0	0.366826	Y
2	IC 480-613702/10	25.0	9.145651	25.0	748394.0	0.365826	Y
3	IC 480-613702/11	25.0	9.028916	25.0	749971.0	0.361157	Y
4	IC 480-613702/12	25.0	8.978444	25.0	708664.0	0.359138	Y
5	IC 480-613702/13	25.0	8.798898	25.0	730708.0	0.351956	Y
6	ICIS 480-613702/14	25.0	8.906698	25.0	726327.0	0.356268	Y
7	IC 480-613702/15	25.0	8.966375	25.0	702310.0	0.358655	Y
8	IC 480-613702/16	25.0	8.902113	25.0	779989.0	0.356085	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

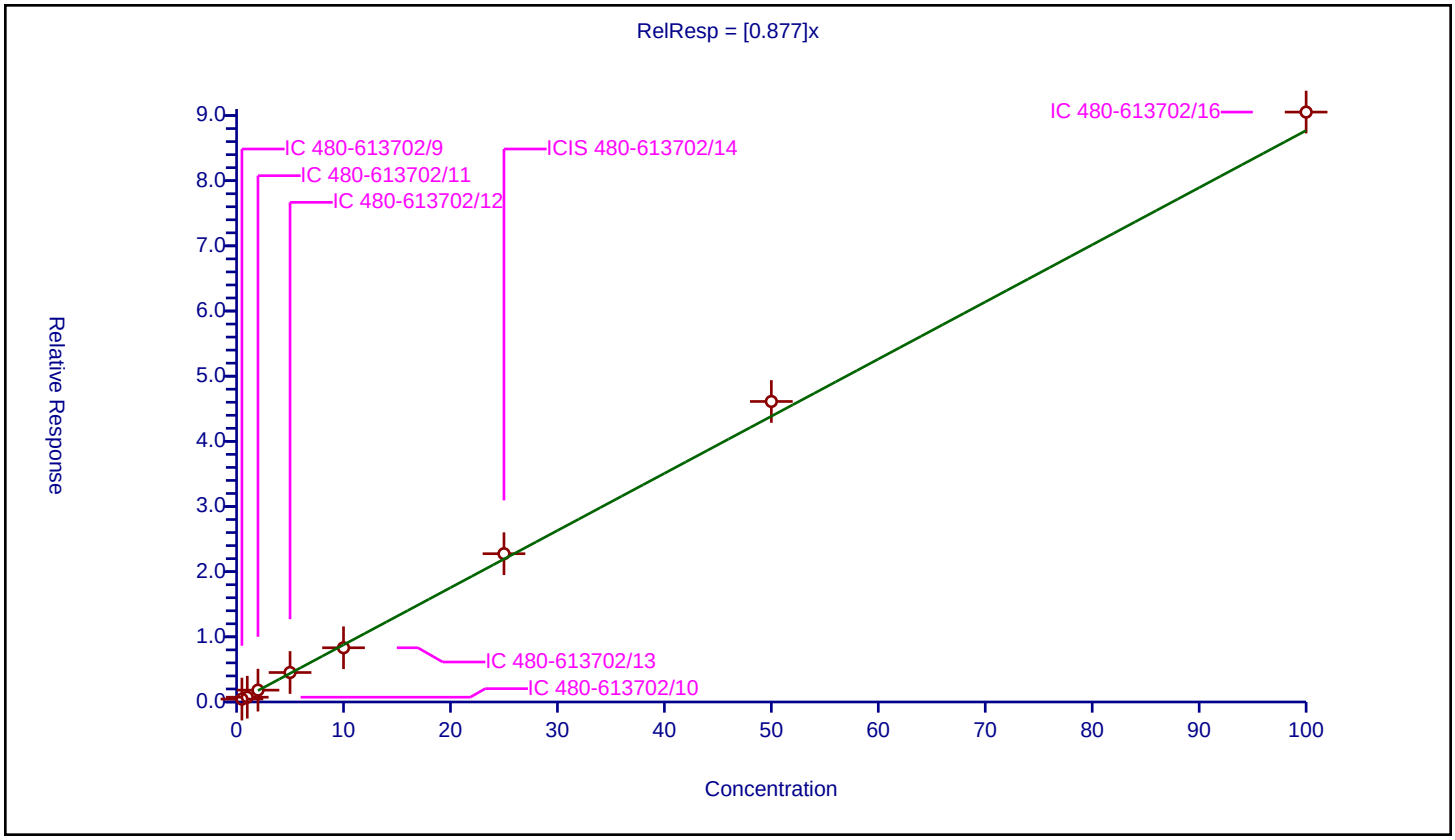
Curve Coefficients

Intercept:	0
Slope:	0.877

Error Coefficients

Standard Error:	579000
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 480-613702/9	0.5	0.44933	25.0	338393.0	0.898659	Y
2	IC 480-613702/10	1.0	0.732653	25.0	363030.0	0.732653	Y
3	IC 480-613702/11	2.0	1.820423	25.0	360191.0	0.910212	Y
4	IC 480-613702/12	5.0	4.524566	25.0	345127.0	0.904913	Y
5	IC 480-613702/13	10.0	8.320545	25.0	347979.0	0.832055	Y
6	ICIS 480-613702/14	25.0	22.753611	25.0	350685.0	0.910144	Y
7	IC 480-613702/15	50.0	46.118105	25.0	334727.0	0.922362	Y
8	IC 480-613702/16	100.0	90.52874	25.0	374863.0	0.905287	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

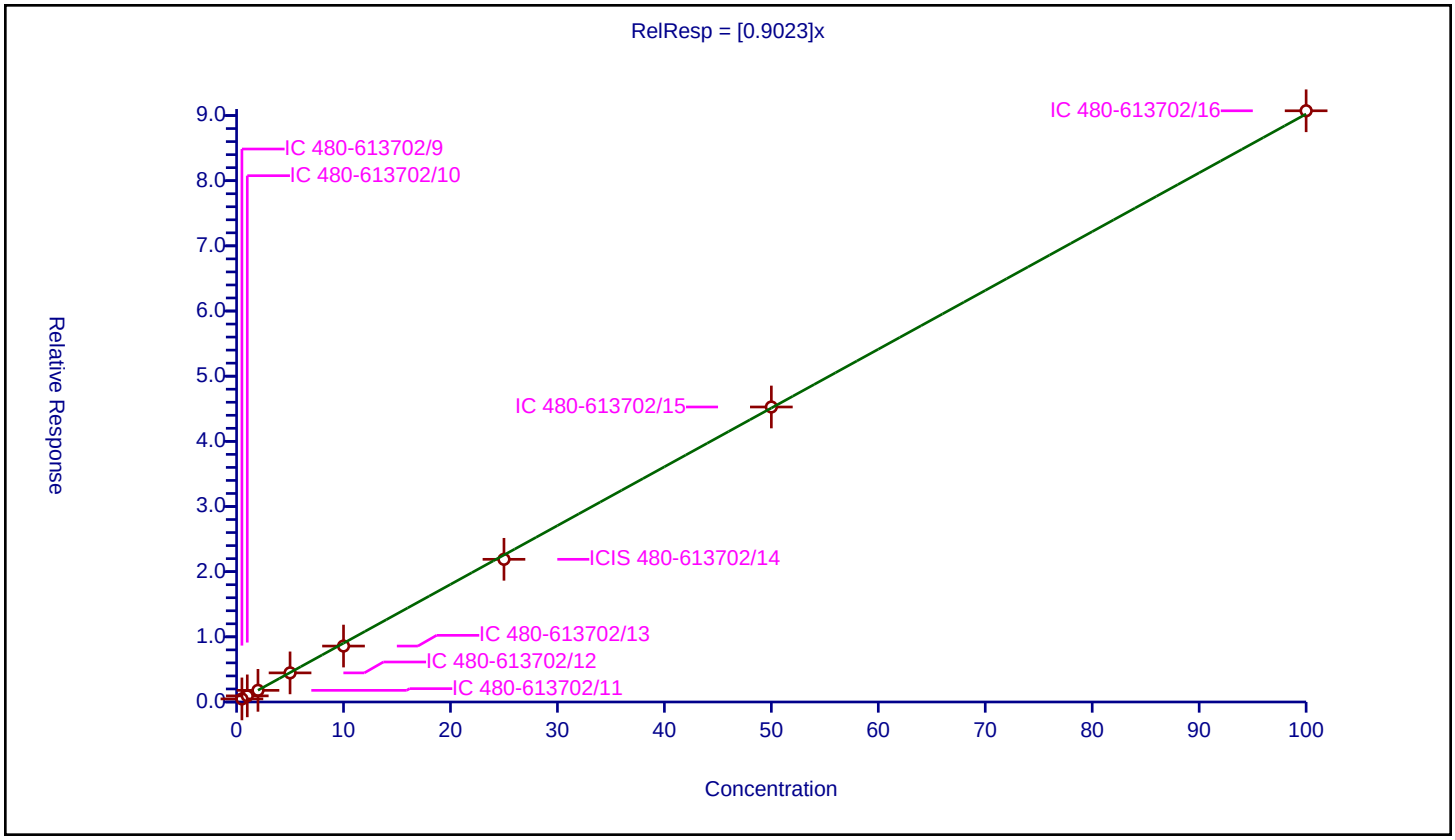
Curve Coefficients

Intercept:	0
Slope:	0.9023

Error Coefficients

Standard Error:	577000
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 480-613702/9	0.5	0.471863	25.0	338393.0	0.943725	Y
2	IC 480-613702/10	1.0	0.939798	25.0	363030.0	0.939798	Y
3	IC 480-613702/11	2.0	1.78801	25.0	360191.0	0.894005	Y
4	IC 480-613702/12	5.0	4.468355	25.0	345127.0	0.893671	Y
5	IC 480-613702/13	10.0	8.585145	25.0	347979.0	0.858514	Y
6	ICIS 480-613702/14	25.0	21.897358	25.0	350685.0	0.875894	Y
7	IC 480-613702/15	50.0	45.273014	25.0	334727.0	0.90546	Y
8	IC 480-613702/16	100.0	90.731814	25.0	374863.0	0.907318	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

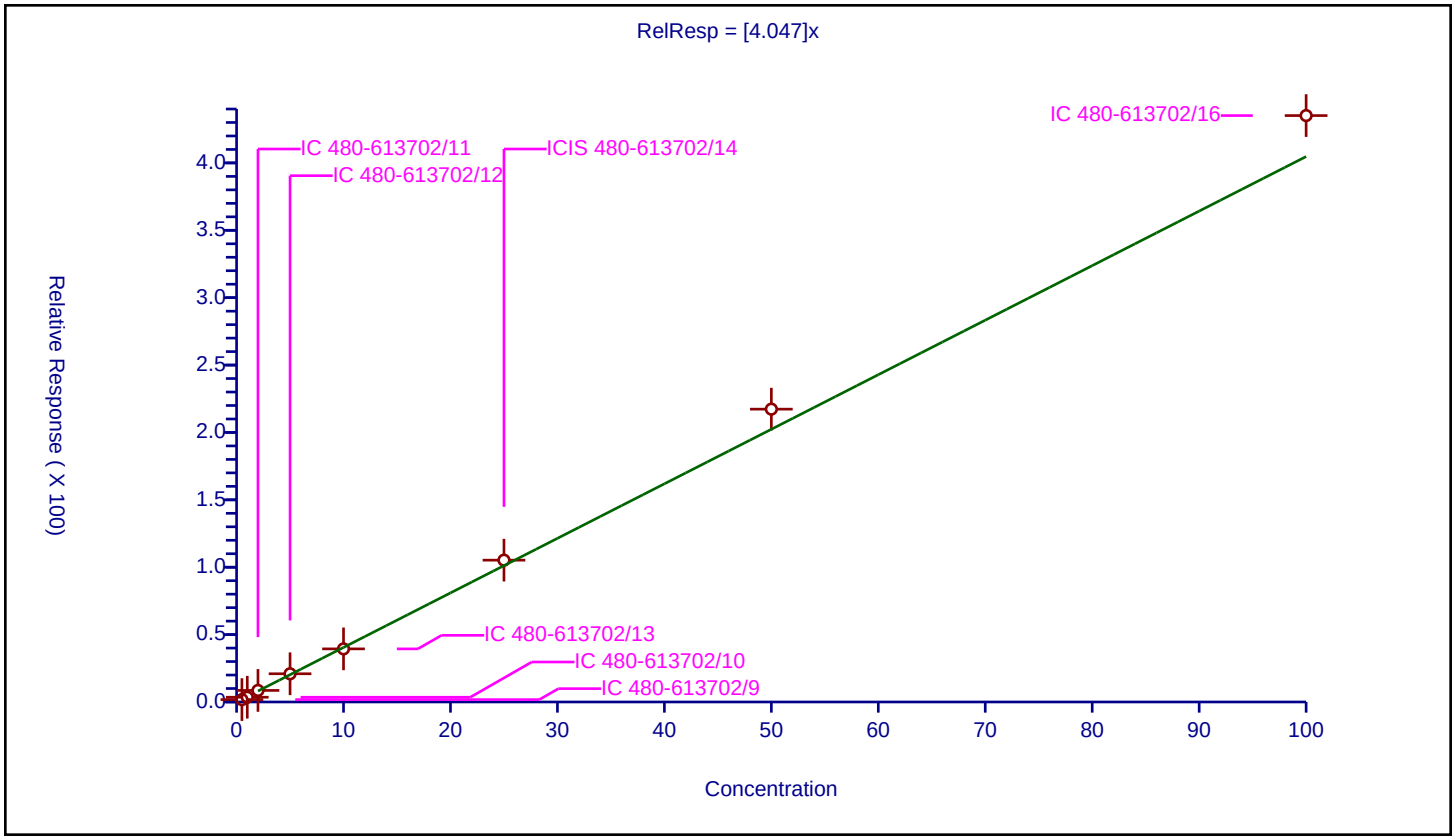
Curve Coefficients

Intercept:	0
Slope:	4.047

Error Coefficients

Standard Error:	2770000
Relative Standard Error:	8.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.764516	25.0	338393.0	3.529033	Y
2	IC 480-613702/10	1.0	3.52402	25.0	363030.0	3.52402	Y
3	IC 480-613702/11	2.0	8.581211	25.0	360191.0	4.290606	Y
4	IC 480-613702/12	5.0	20.934757	25.0	345127.0	4.186951	Y
5	IC 480-613702/13	10.0	39.403024	25.0	347979.0	3.940302	Y
6	ICIS 480-613702/14	25.0	105.238034	25.0	350685.0	4.209521	Y
7	IC 480-613702/15	50.0	217.303429	25.0	334727.0	4.346069	Y
8	IC 480-613702/16	100.0	435.127633	25.0	374863.0	4.351276	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

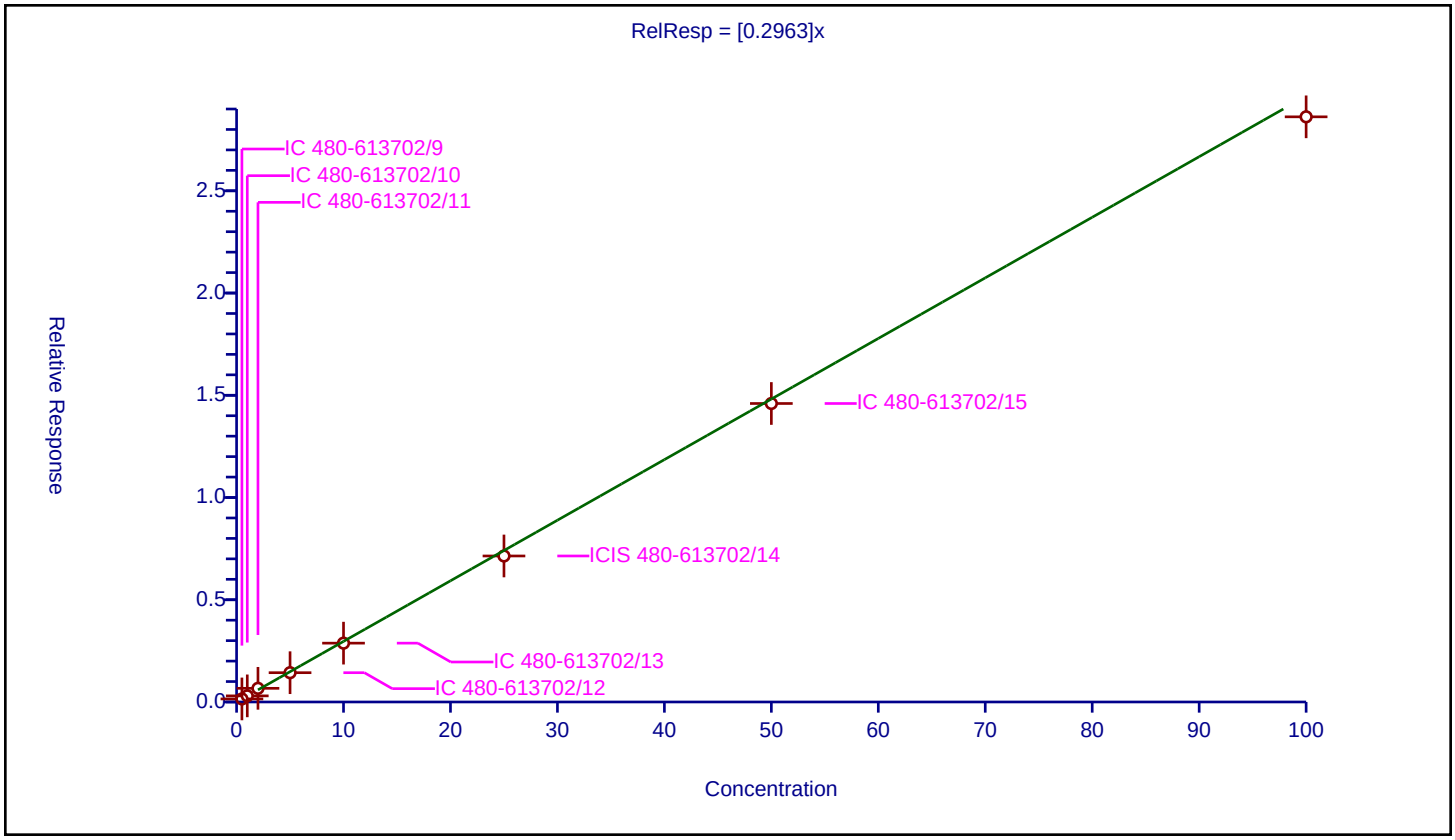
Curve Coefficients

Intercept:	0
Slope:	0.2963

Error Coefficients

Standard Error:	183000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.149456	25.0	338393.0	0.298913	Y
2	IC 480-613702/10	1.0	0.299424	25.0	363030.0	0.299424	Y
3	IC 480-613702/11	2.0	0.66784	25.0	360191.0	0.33392	Y
4	IC 480-613702/12	5.0	1.433241	25.0	345127.0	0.286648	Y
5	IC 480-613702/13	10.0	2.878119	25.0	347979.0	0.287812	Y
6	ICIS 480-613702/14	25.0	7.140382	25.0	350685.0	0.285615	Y
7	IC 480-613702/15	50.0	14.598165	25.0	334727.0	0.291963	Y
8	IC 480-613702/16	100.0	28.617988	25.0	374863.0	0.28618	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

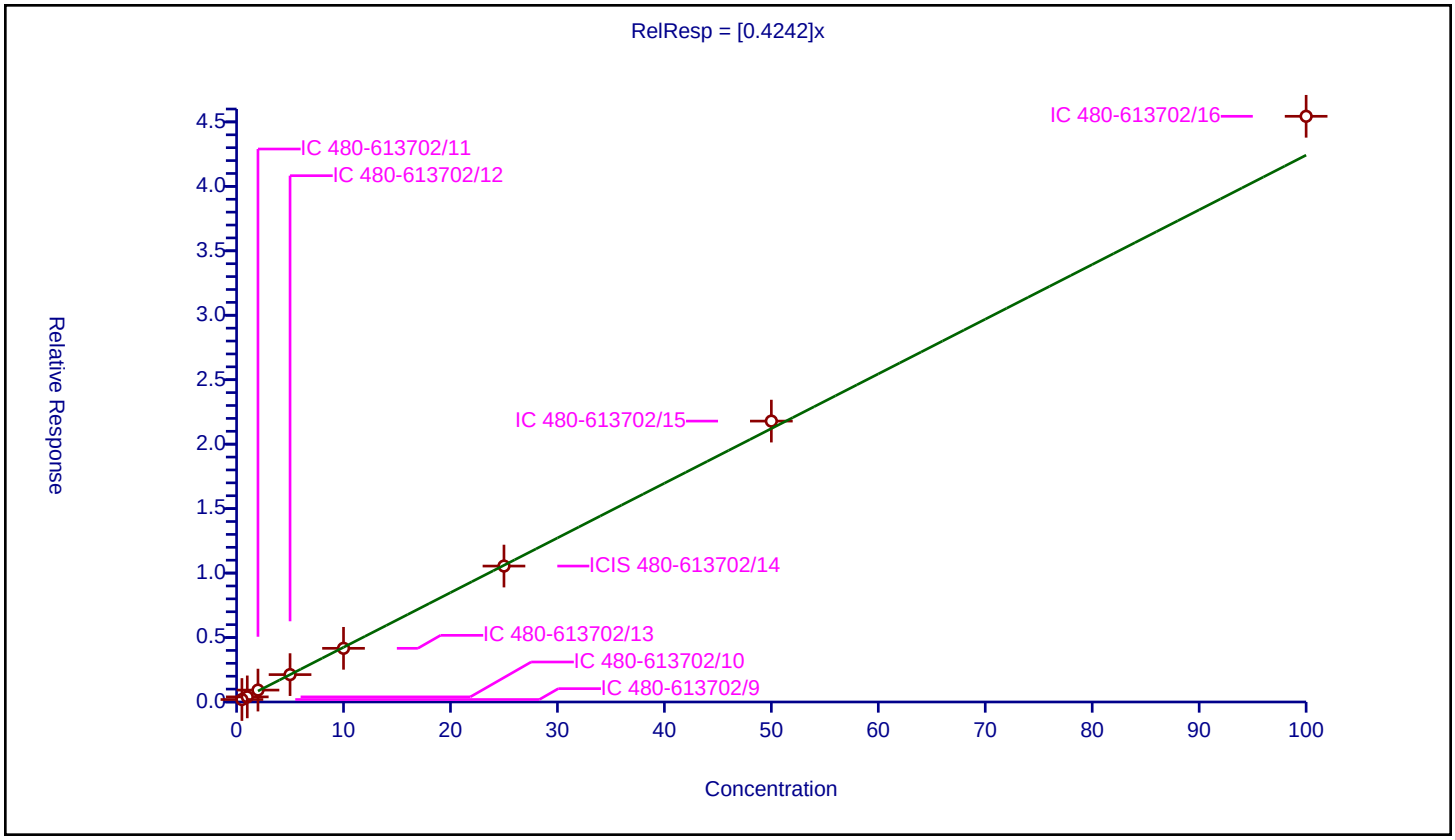
Curve Coefficients

Intercept:	0
Slope:	0.4242

Error Coefficients

Standard Error:	287000
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 480-613702/9	0.5	0.191419	25.0	338393.0	0.382839	Y
2	IC 480-613702/10	1.0	0.395973	25.0	363030.0	0.395973	Y
3	IC 480-613702/11	2.0	0.923121	25.0	360191.0	0.461561	Y
4	IC 480-613702/12	5.0	2.124435	25.0	345127.0	0.424887	Y
5	IC 480-613702/13	10.0	4.163757	25.0	347979.0	0.416376	Y
6	ICIS 480-613702/14	25.0	10.545433	25.0	350685.0	0.421817	Y
7	IC 480-613702/15	50.0	21.791266	25.0	334727.0	0.435825	Y
8	IC 480-613702/16	100.0	45.435399	25.0	374863.0	0.454354	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

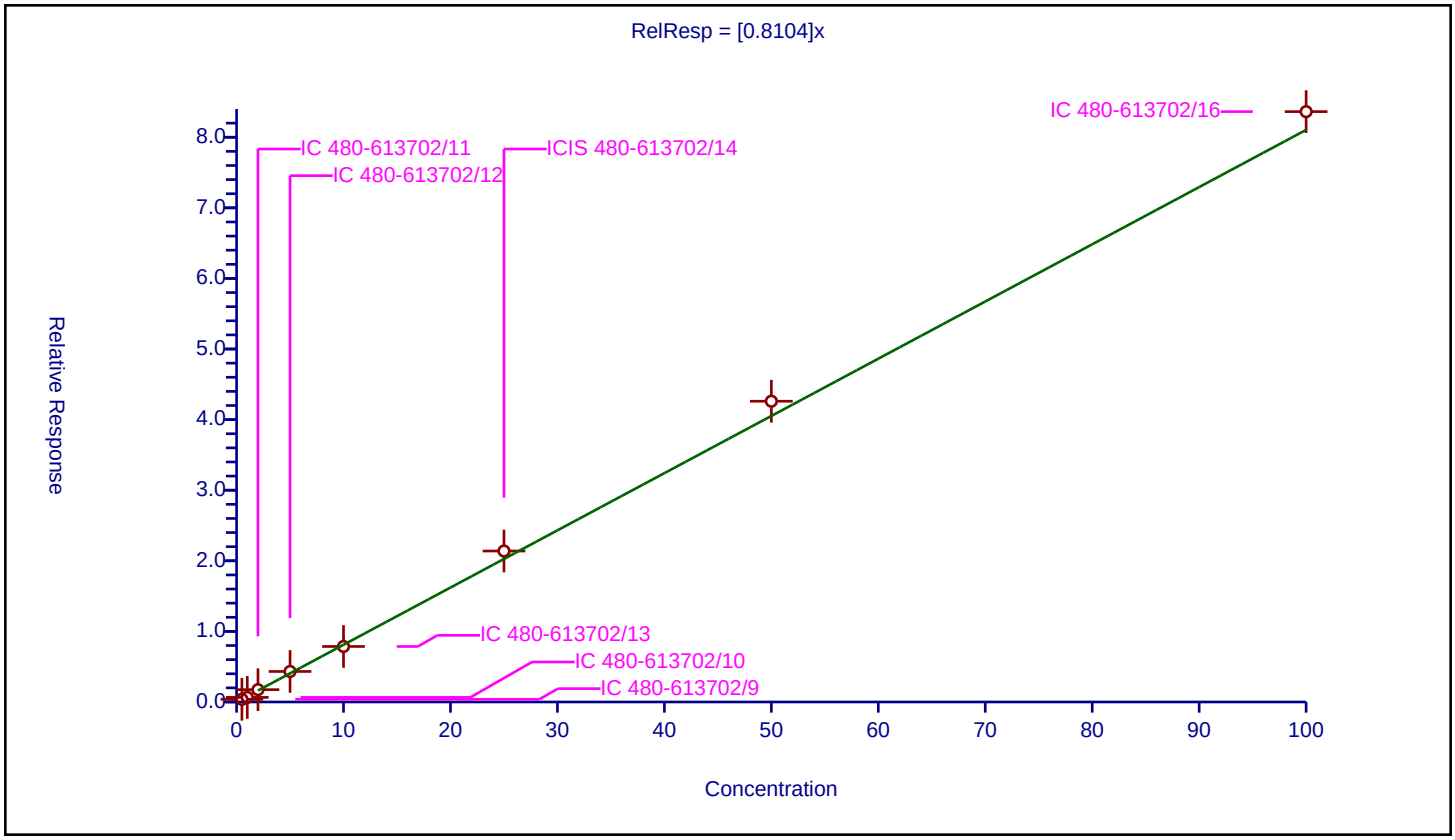
Curve Coefficients

Intercept:	0
Slope:	0.8104

Error Coefficients

Standard Error:	535000
Relative Standard Error:	9.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.380918	25.0	338393.0	0.761836	Y
2	IC 480-613702/10	1.0	0.652563	25.0	363030.0	0.652563	Y
3	IC 480-613702/11	2.0	1.748309	25.0	360191.0	0.874154	Y
4	IC 480-613702/12	5.0	4.324567	25.0	345127.0	0.864913	Y
5	IC 480-613702/13	10.0	7.861466	25.0	347979.0	0.786147	Y
6	ICIS 480-613702/14	25.0	21.38593	25.0	350685.0	0.855437	Y
7	IC 480-613702/15	50.0	42.603525	25.0	334727.0	0.85207	Y
8	IC 480-613702/16	100.0	83.628352	25.0	374863.0	0.836284	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

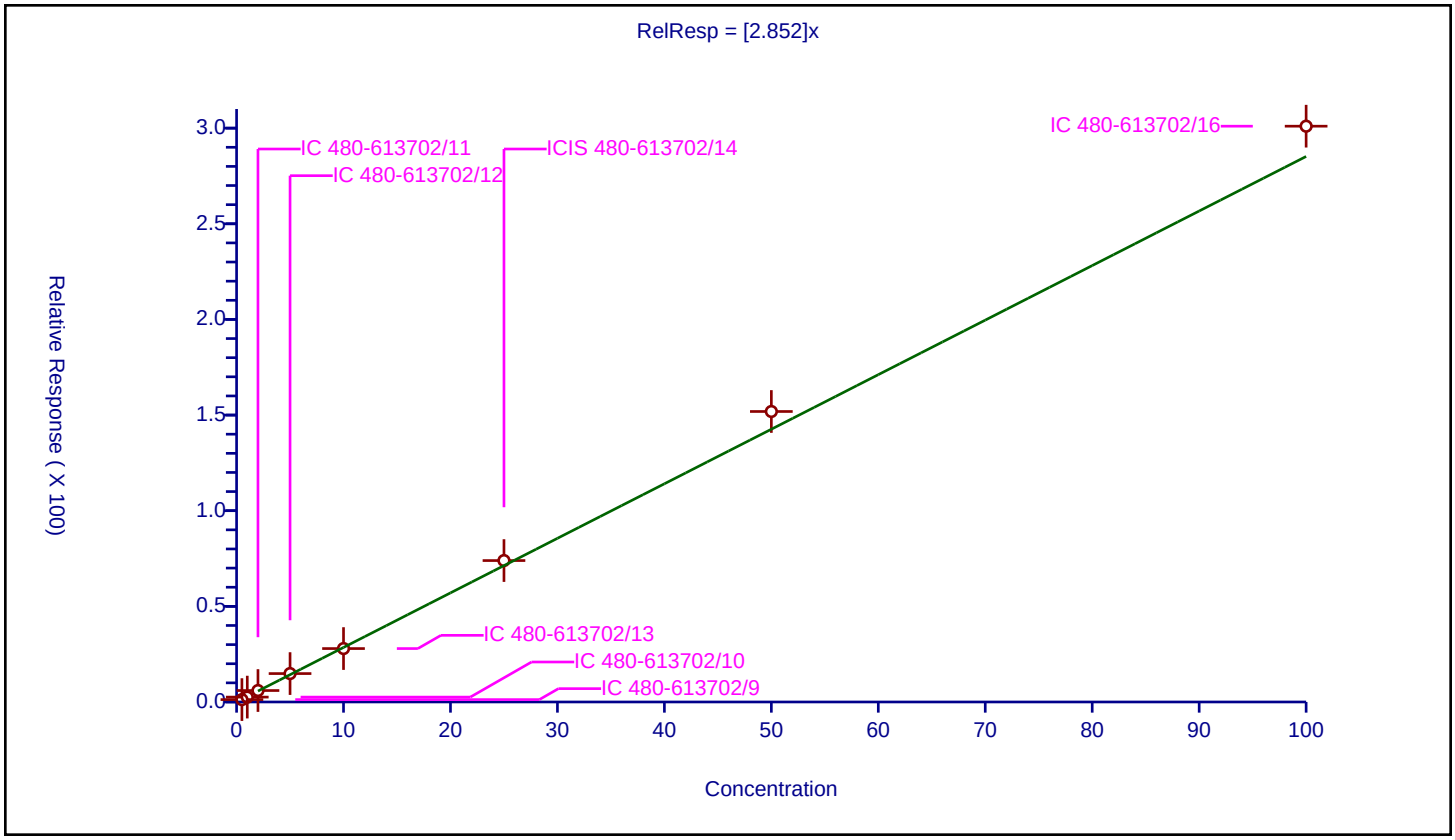
Curve Coefficients

Intercept:	0
Slope:	2.852

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.248105	25.0	338393.0	2.49621	Y
2	IC 480-613702/10	1.0	2.55399	25.0	363030.0	2.55399	Y
3	IC 480-613702/11	2.0	5.991335	25.0	360191.0	2.995668	Y
4	IC 480-613702/12	5.0	14.85656	25.0	345127.0	2.971312	Y
5	IC 480-613702/13	10.0	27.932433	25.0	347979.0	2.793243	Y
6	ICIS 480-613702/14	25.0	73.937294	25.0	350685.0	2.957492	Y
7	IC 480-613702/15	50.0	151.863384	25.0	334727.0	3.037268	Y
8	IC 480-613702/16	100.0	301.016371	25.0	374863.0	3.010164	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

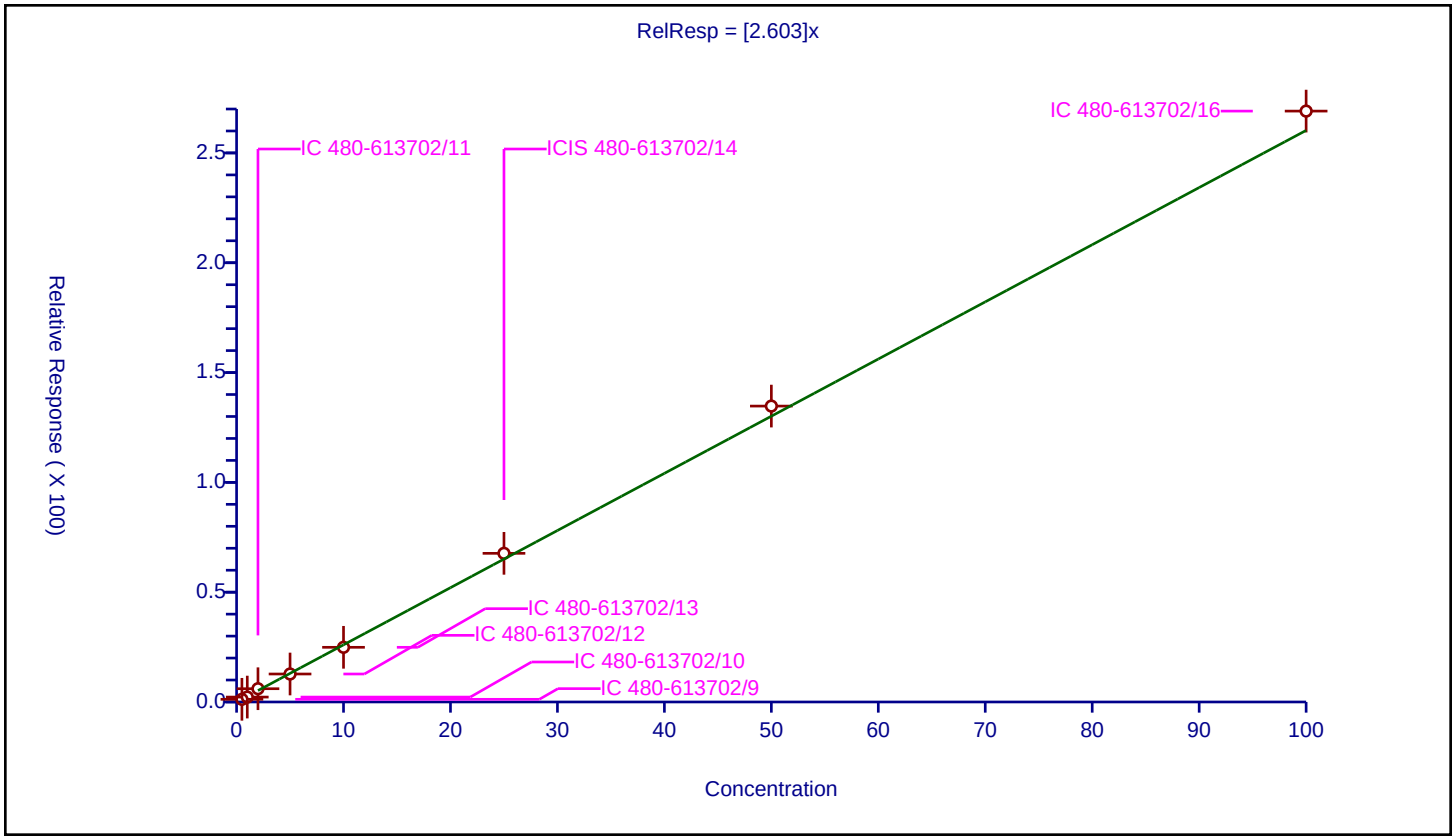
Curve Coefficients

Intercept:	0
Slope:	2.603

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	9.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.216263	25.0	338393.0	2.432527	Y
2	IC 480-613702/10	1.0	2.235766	25.0	363030.0	2.235766	Y
3	IC 480-613702/11	2.0	6.042836	25.0	360191.0	3.021418	Y
4	IC 480-613702/12	5.0	12.744511	25.0	345127.0	2.548902	Y
5	IC 480-613702/13	10.0	24.896833	25.0	347979.0	2.489683	Y
6	ICIS 480-613702/14	25.0	67.685601	25.0	350685.0	2.707424	Y
7	IC 480-613702/15	50.0	134.735919	25.0	334727.0	2.694718	Y
8	IC 480-613702/16	100.0	269.056562	25.0	374863.0	2.690566	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

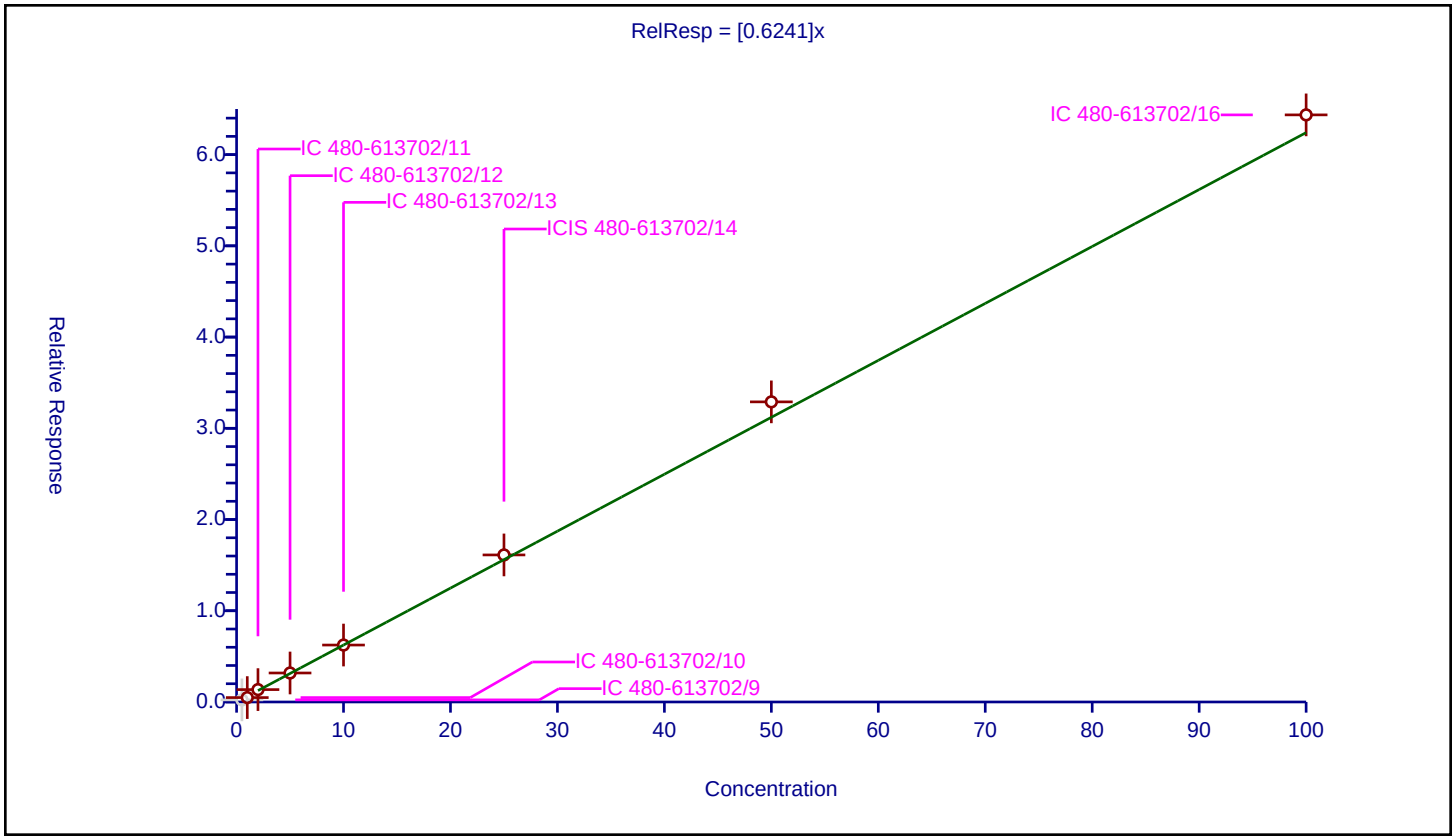
Curve Coefficients

Intercept:	0
Slope:	0.6241

Error Coefficients

Standard Error:	445000
Relative Standard Error:	10.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.233456	25.0	338393.0	0.466913	N
2	IC 480-613702/10	1.0	0.484533	25.0	363030.0	0.484533	Y
3	IC 480-613702/11	2.0	1.356919	25.0	360191.0	0.678459	Y
4	IC 480-613702/12	5.0	3.177671	25.0	345127.0	0.635534	Y
5	IC 480-613702/13	10.0	6.24154	25.0	347979.0	0.624154	Y
6	ICIS 480-613702/14	25.0	16.118097	25.0	350685.0	0.644724	Y
7	IC 480-613702/15	50.0	32.897854	25.0	334727.0	0.657957	Y
8	IC 480-613702/16	100.0	64.356378	25.0	374863.0	0.643564	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

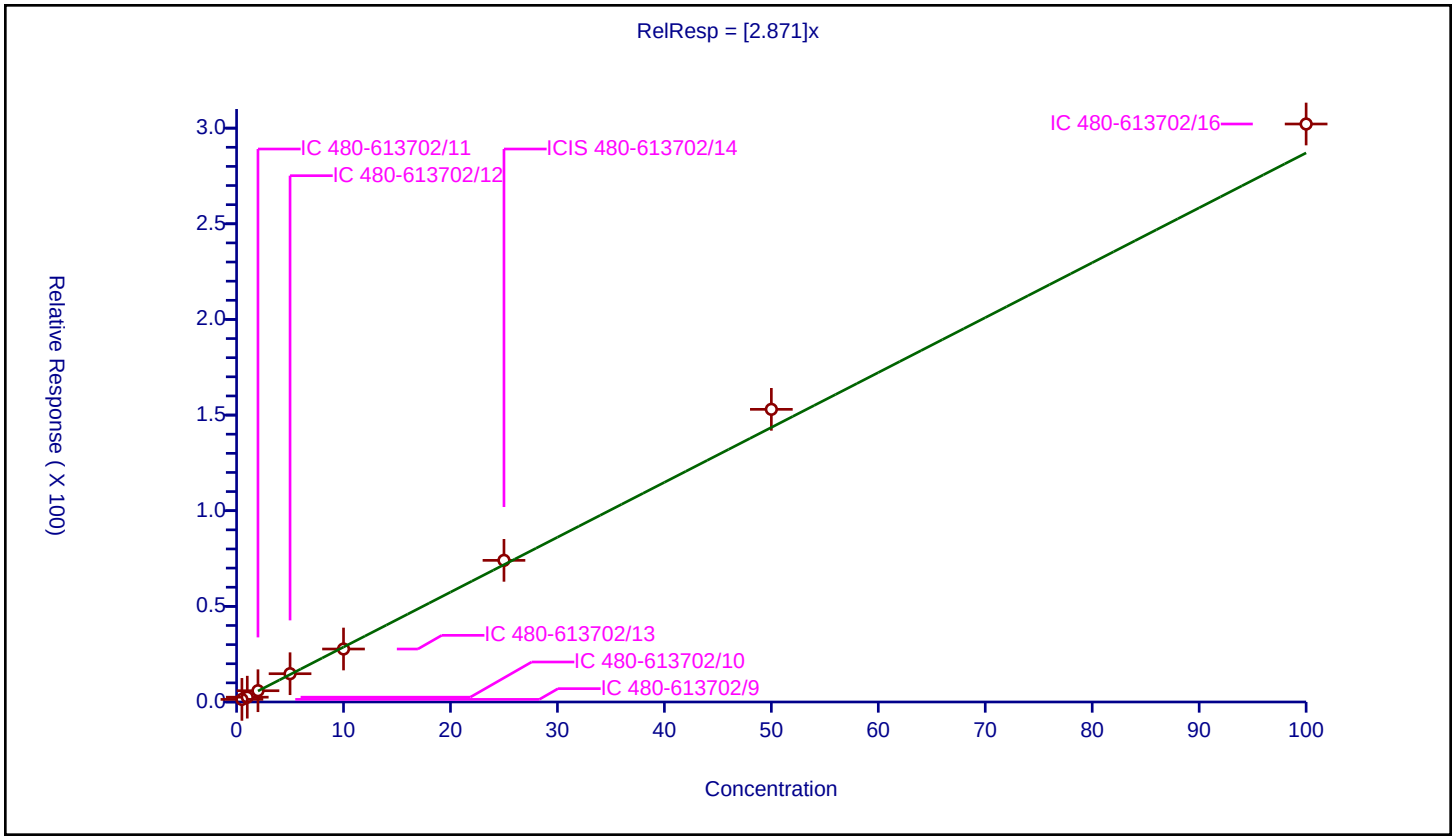
Curve Coefficients

Intercept:	0
Slope:	2.871

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.366015	25.0	338393.0	2.732031	Y
2	IC 480-613702/10	1.0	2.516252	25.0	363030.0	2.516252	Y
3	IC 480-613702/11	2.0	5.890902	25.0	360191.0	2.945451	Y
4	IC 480-613702/12	5.0	14.790787	25.0	345127.0	2.958157	Y
5	IC 480-613702/13	10.0	27.6942	25.0	347979.0	2.76942	Y
6	ICIS 480-613702/14	25.0	74.047792	25.0	350685.0	2.961912	Y
7	IC 480-613702/15	50.0	152.992663	25.0	334727.0	3.059853	Y
8	IC 480-613702/16	100.0	302.164591	25.0	374863.0	3.021646	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

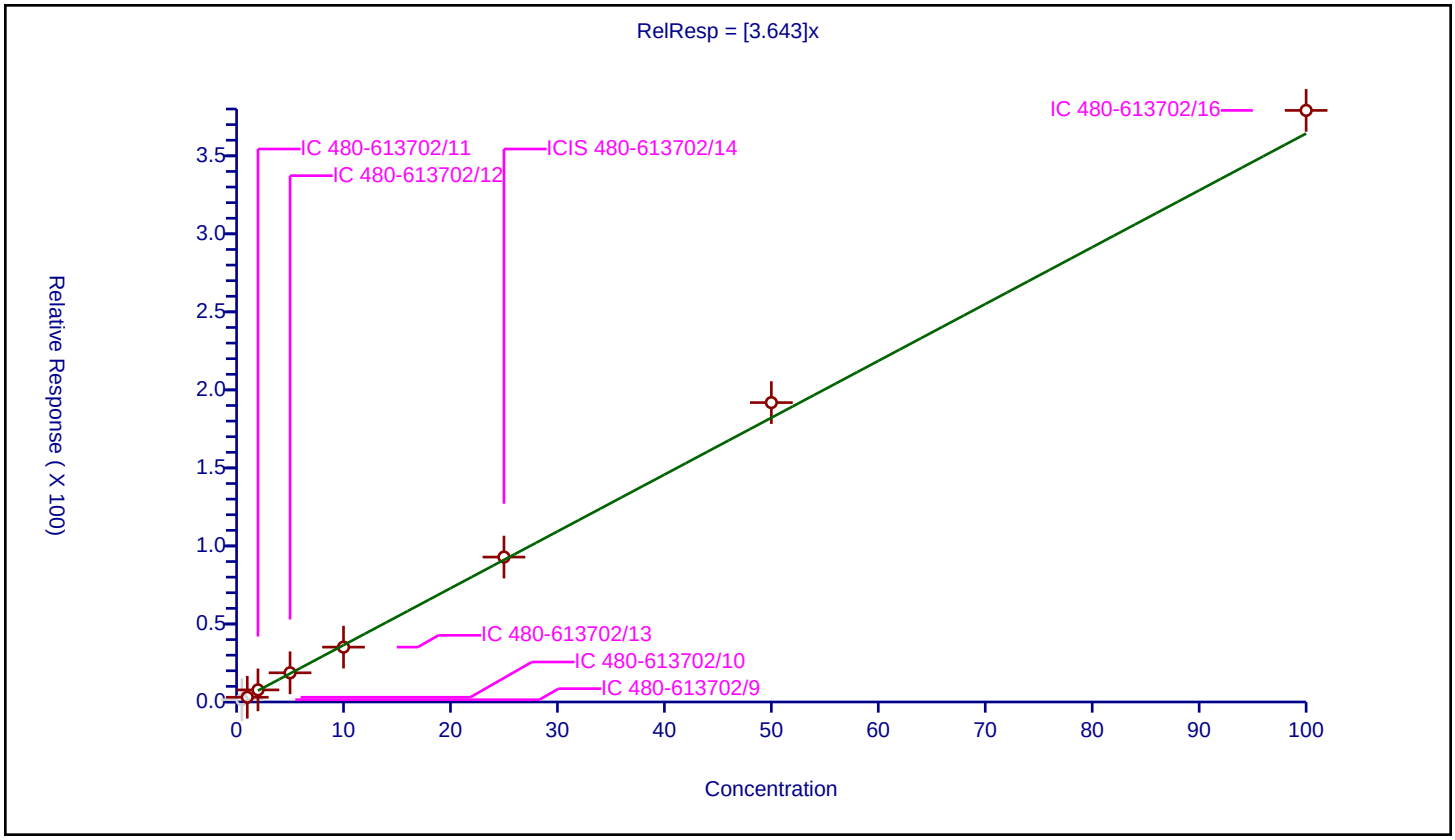
Curve Coefficients

Intercept:	0
Slope:	3.643

Error Coefficients

Standard Error:	2610000
Relative Standard Error:	8.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.457255	25.0	338393.0	2.914511	N
2	IC 480-613702/10	1.0	3.024957	25.0	363030.0	3.024957	Y
3	IC 480-613702/11	2.0	7.748875	25.0	360191.0	3.874437	Y
4	IC 480-613702/12	5.0	18.707606	25.0	345127.0	3.741521	Y
5	IC 480-613702/13	10.0	35.165843	25.0	347979.0	3.516584	Y
6	ICIS 480-613702/14	25.0	92.864893	25.0	350685.0	3.714596	Y
7	IC 480-613702/15	50.0	191.864564	25.0	334727.0	3.837291	Y
8	IC 480-613702/16	100.0	379.114703	25.0	374863.0	3.791147	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

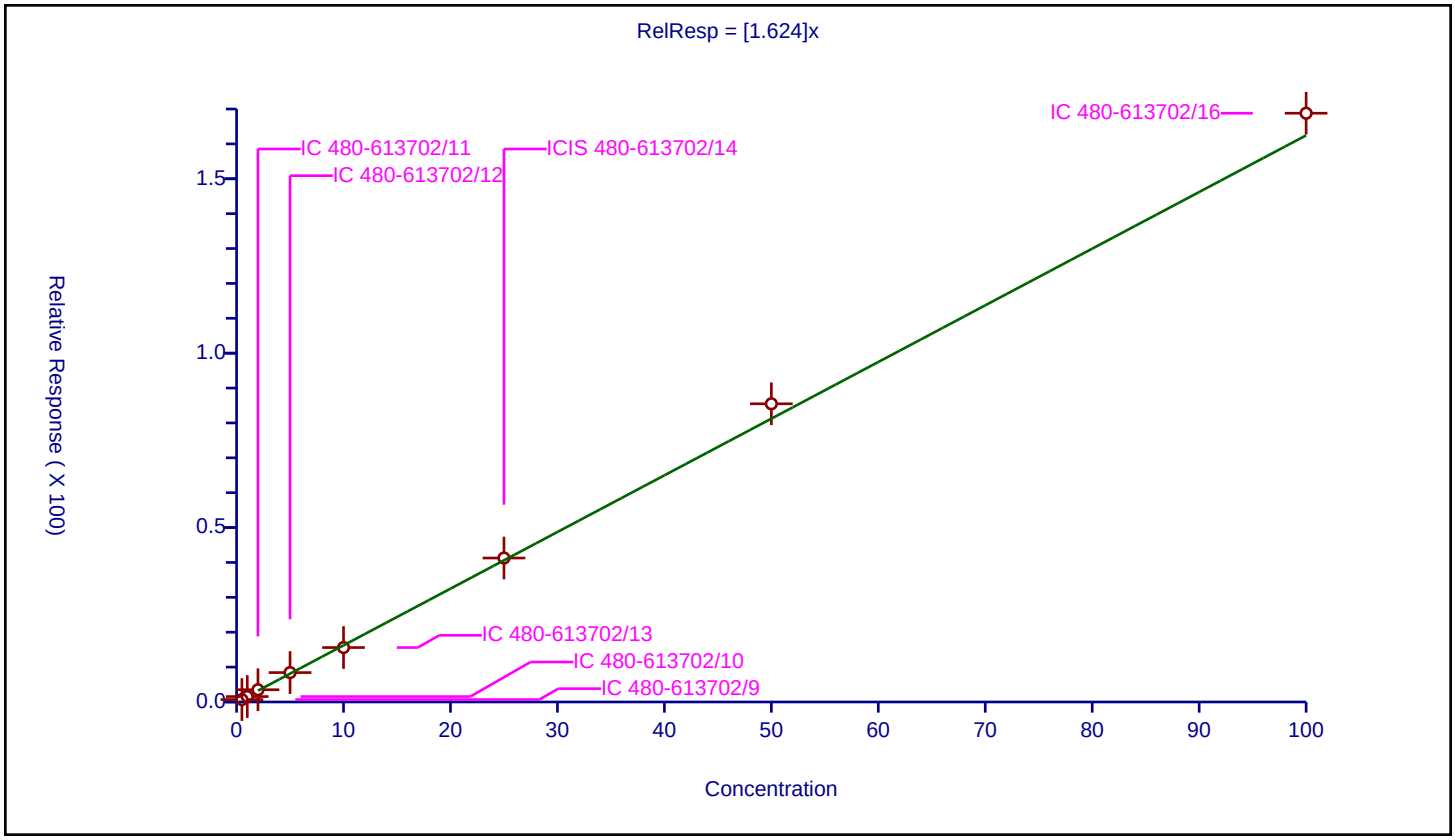
Curve Coefficients

Intercept:	0
Slope:	1.624

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.69276	25.0	338393.0	1.385519	Y
2	IC 480-613702/10	1.0	1.558342	25.0	363030.0	1.558342	Y
3	IC 480-613702/11	2.0	3.512095	25.0	360191.0	1.756047	Y
4	IC 480-613702/12	5.0	8.430302	25.0	345127.0	1.68606	Y
5	IC 480-613702/13	10.0	15.611143	25.0	347979.0	1.561114	Y
6	ICIS 480-613702/14	25.0	41.275361	25.0	350685.0	1.651014	Y
7	IC 480-613702/15	50.0	85.493925	25.0	334727.0	1.709878	Y
8	IC 480-613702/16	100.0	168.795	25.0	374863.0	1.68795	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

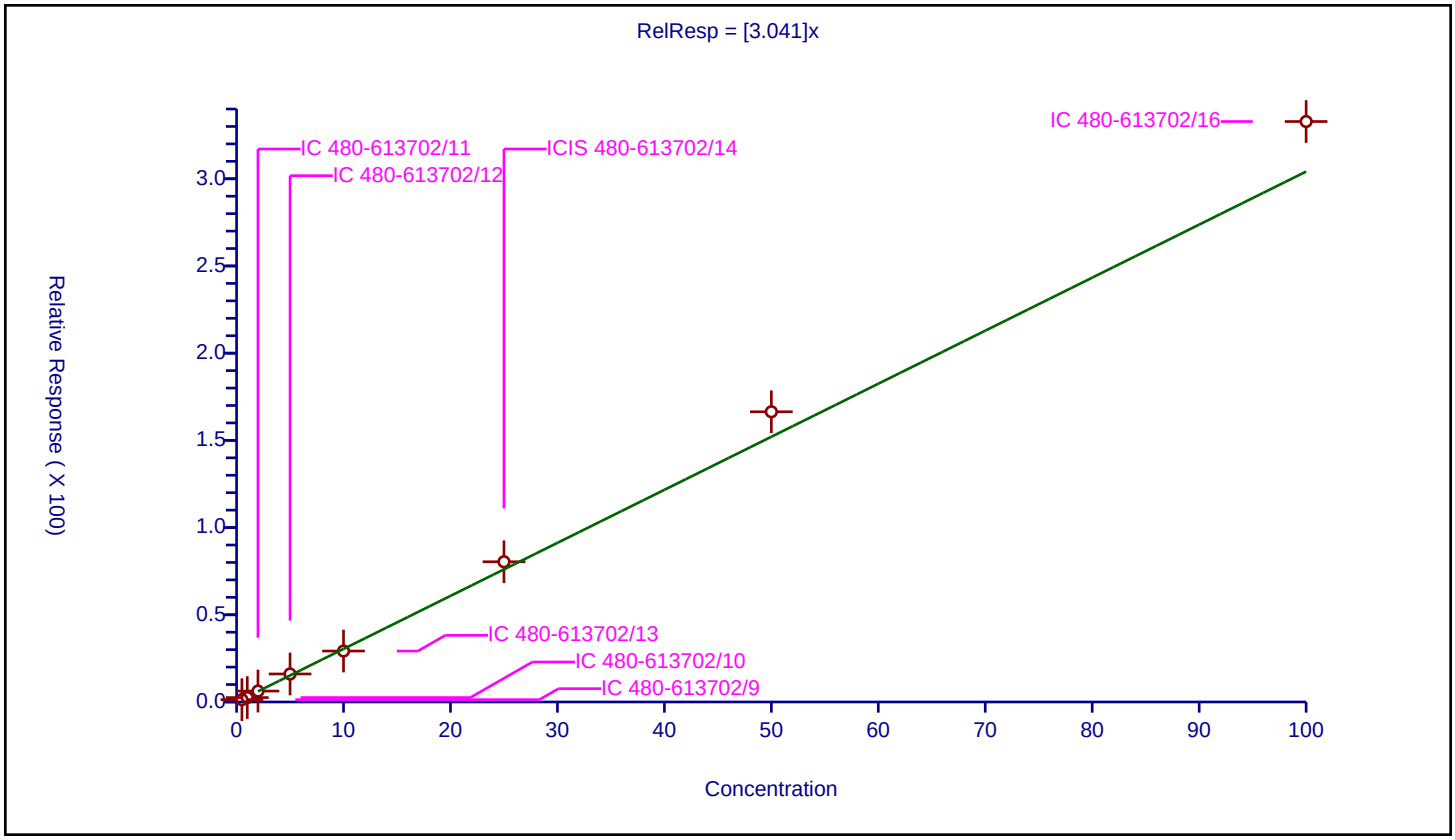
Curve Coefficients

Intercept:	0
Slope:	3.041

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	10.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.332105	25.0	338393.0	2.66421	Y
2	IC 480-613702/10	1.0	2.526169	25.0	363030.0	2.526169	Y
3	IC 480-613702/11	2.0	6.266606	25.0	360191.0	3.133303	Y
4	IC 480-613702/12	5.0	16.063217	25.0	345127.0	3.212643	Y
5	IC 480-613702/13	10.0	29.208084	25.0	347979.0	2.920808	Y
6	ICIS 480-613702/14	25.0	80.409698	25.0	350685.0	3.216388	Y
7	IC 480-613702/15	50.0	166.417259	25.0	334727.0	3.328345	Y
8	IC 480-613702/16	100.0	332.833662	25.0	374863.0	3.328337	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

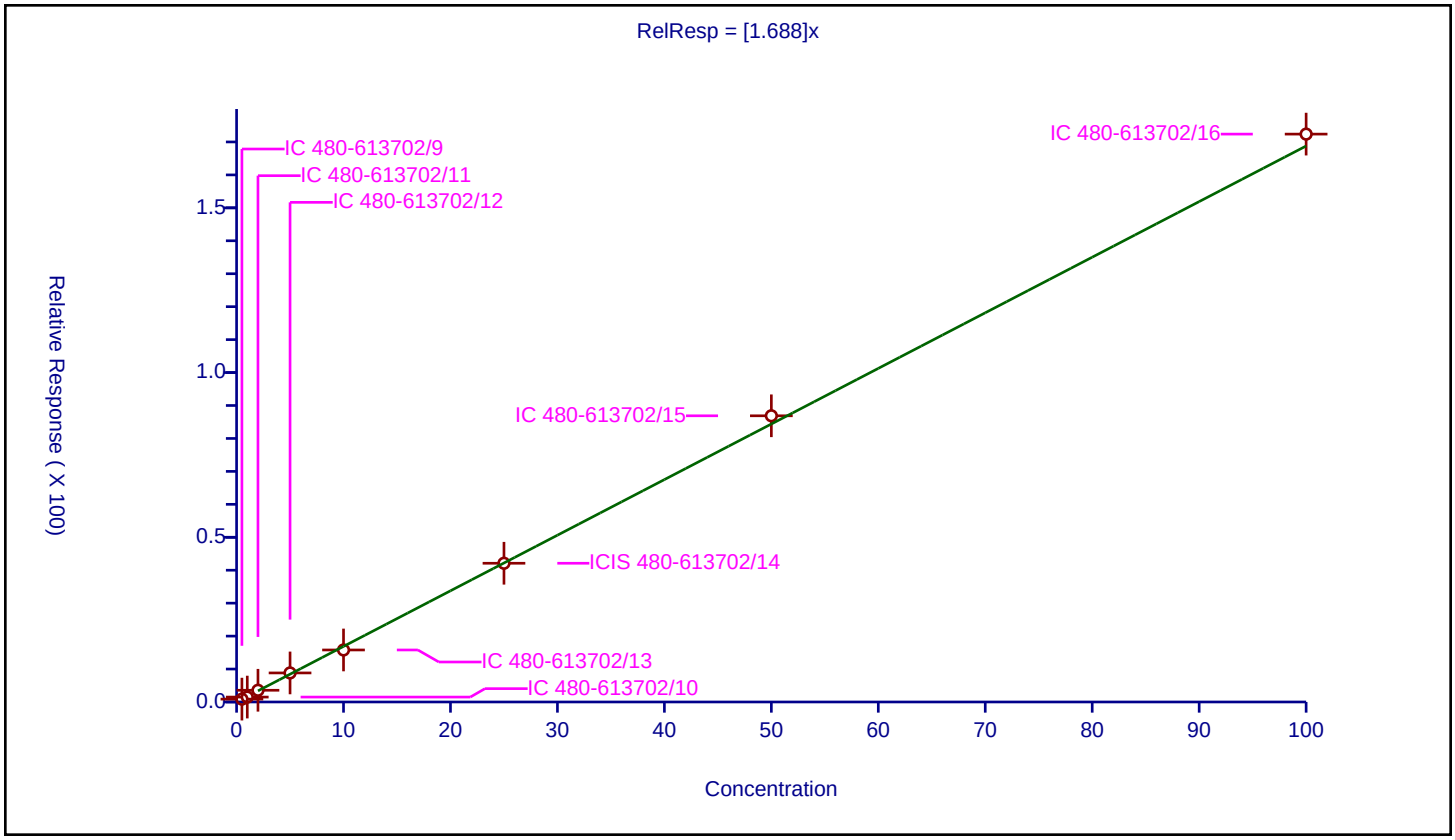
Curve Coefficients

Intercept:	0
Slope:	1.688

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.869108	25.0	338393.0	1.738216	Y
2	IC 480-613702/10	1.0	1.495469	25.0	363030.0	1.495469	Y
3	IC 480-613702/11	2.0	3.559292	25.0	360191.0	1.779646	Y
4	IC 480-613702/12	5.0	8.819145	25.0	345127.0	1.763829	Y
5	IC 480-613702/13	10.0	15.78795	25.0	347979.0	1.578795	Y
6	ICIS 480-613702/14	25.0	42.114291	25.0	350685.0	1.684572	Y
7	IC 480-613702/15	50.0	86.8811	25.0	334727.0	1.737622	Y
8	IC 480-613702/16	100.0	172.384911	25.0	374863.0	1.723849	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

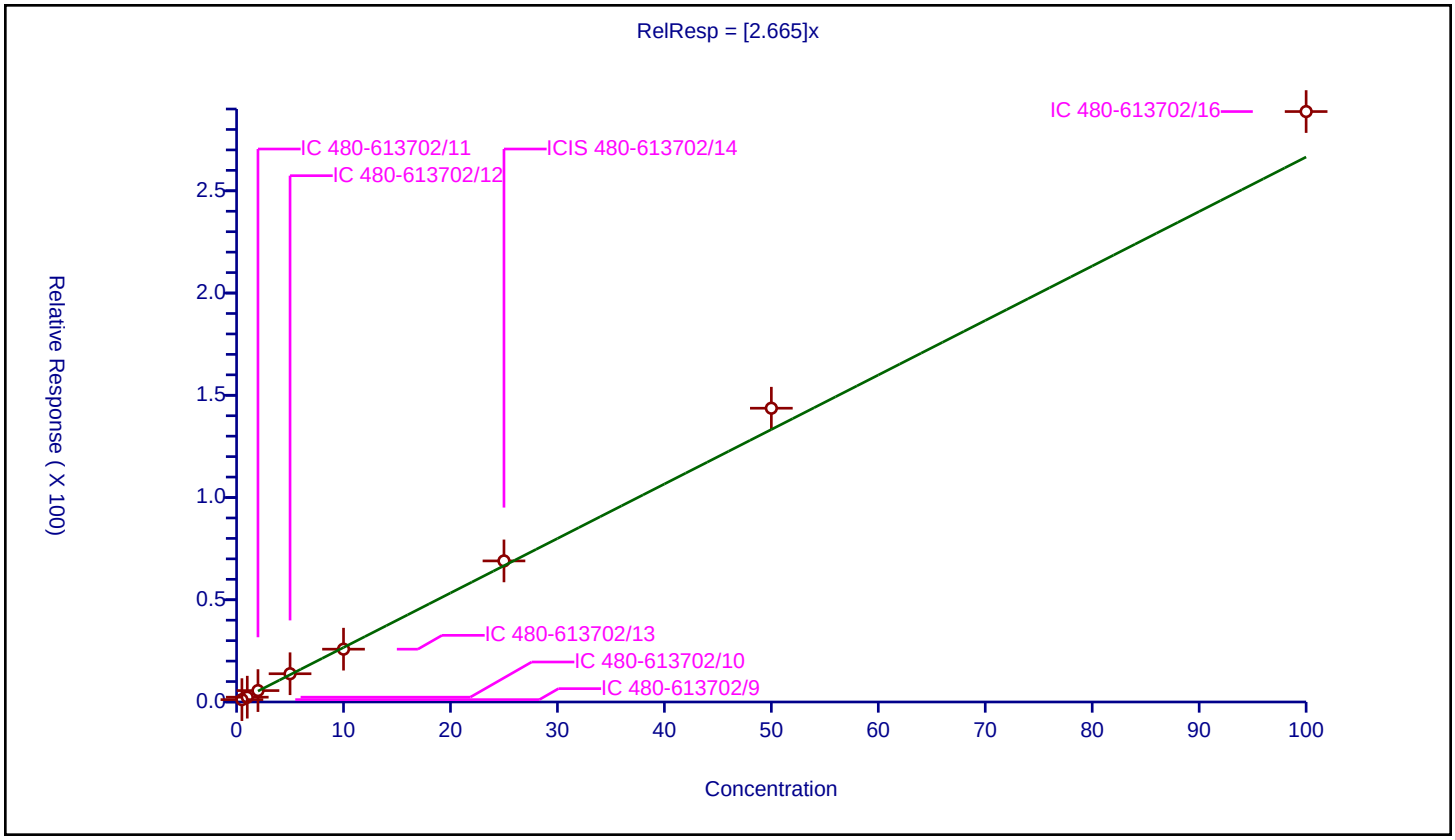
Curve Coefficients

Intercept:	0
Slope:	2.665

Error Coefficients

Standard Error:	1830000
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 480-613702/9	0.5	1.160116	25.0	338393.0	2.320231	Y
2	IC 480-613702/10	1.0	2.347396	25.0	363030.0	2.347396	Y
3	IC 480-613702/11	2.0	5.573224	25.0	360191.0	2.786612	Y
4	IC 480-613702/12	5.0	13.816001	25.0	345127.0	2.7632	Y
5	IC 480-613702/13	10.0	25.830869	25.0	347979.0	2.583087	Y
6	ICIS 480-613702/14	25.0	69.001526	25.0	350685.0	2.760061	Y
7	IC 480-613702/15	50.0	143.668124	25.0	334727.0	2.873362	Y
8	IC 480-613702/16	100.0	288.75776	25.0	374863.0	2.887578	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

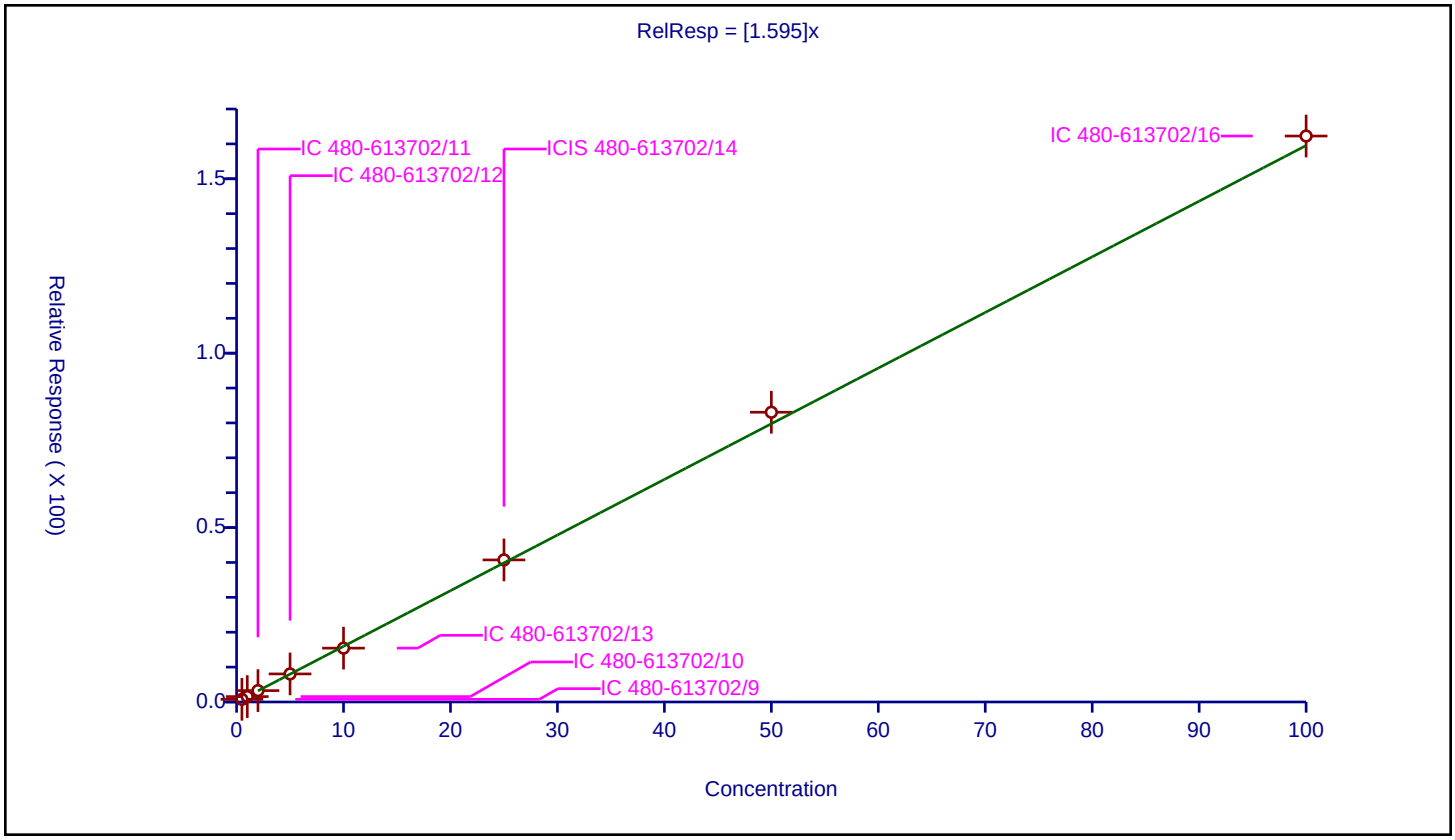
Curve Coefficients

Intercept:	0
Slope:	1.595

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.758142	25.0	338393.0	1.516284	Y
2	IC 480-613702/10	1.0	1.551111	25.0	363030.0	1.551111	Y
3	IC 480-613702/11	2.0	3.257924	25.0	360191.0	1.628962	Y
4	IC 480-613702/12	5.0	8.045517	25.0	345127.0	1.609103	Y
5	IC 480-613702/13	10.0	15.439078	25.0	347979.0	1.543908	Y
6	ICIS 480-613702/14	25.0	40.730998	25.0	350685.0	1.62924	Y
7	IC 480-613702/15	50.0	83.068665	25.0	334727.0	1.661373	Y
8	IC 480-613702/16	100.0	162.258478	25.0	374863.0	1.622585	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

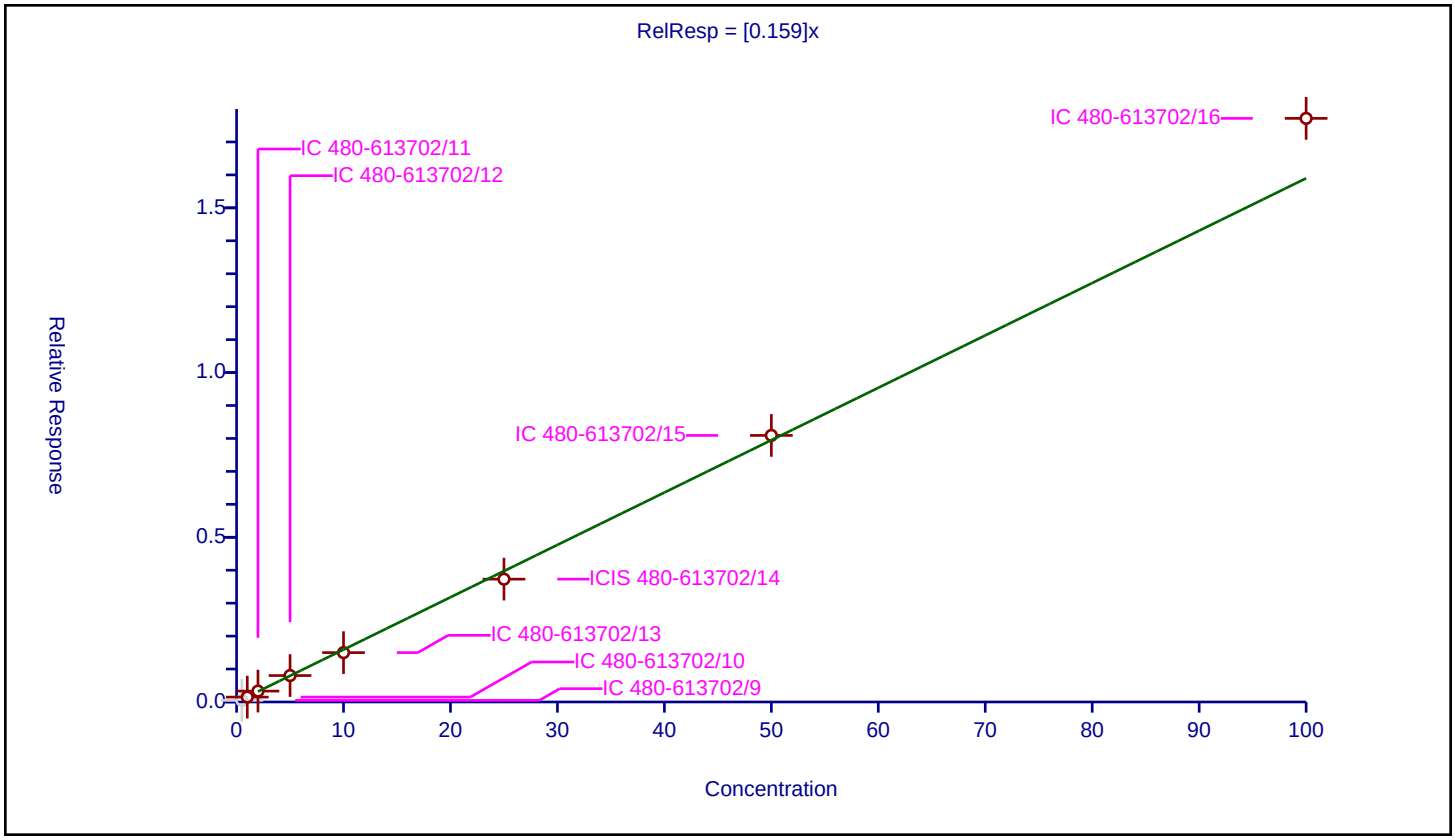
Curve Coefficients

Intercept:	0
Slope:	0.159

Error Coefficients

Standard Error:	119000
Relative Standard Error:	6.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.049129	25.0	338393.0	0.098259	N
2	IC 480-613702/10	1.0	0.148748	25.0	363030.0	0.148748	Y
3	IC 480-613702/11	2.0	0.331005	25.0	360191.0	0.165502	Y
4	IC 480-613702/12	5.0	0.802458	25.0	345127.0	0.160492	Y
5	IC 480-613702/13	10.0	1.498725	25.0	347979.0	0.149873	Y
6	ICIS 480-613702/14	25.0	3.728845	25.0	350685.0	0.149154	Y
7	IC 480-613702/15	50.0	8.092117	25.0	334727.0	0.161842	Y
8	IC 480-613702/16	100.0	17.715739	25.0	374863.0	0.177157	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

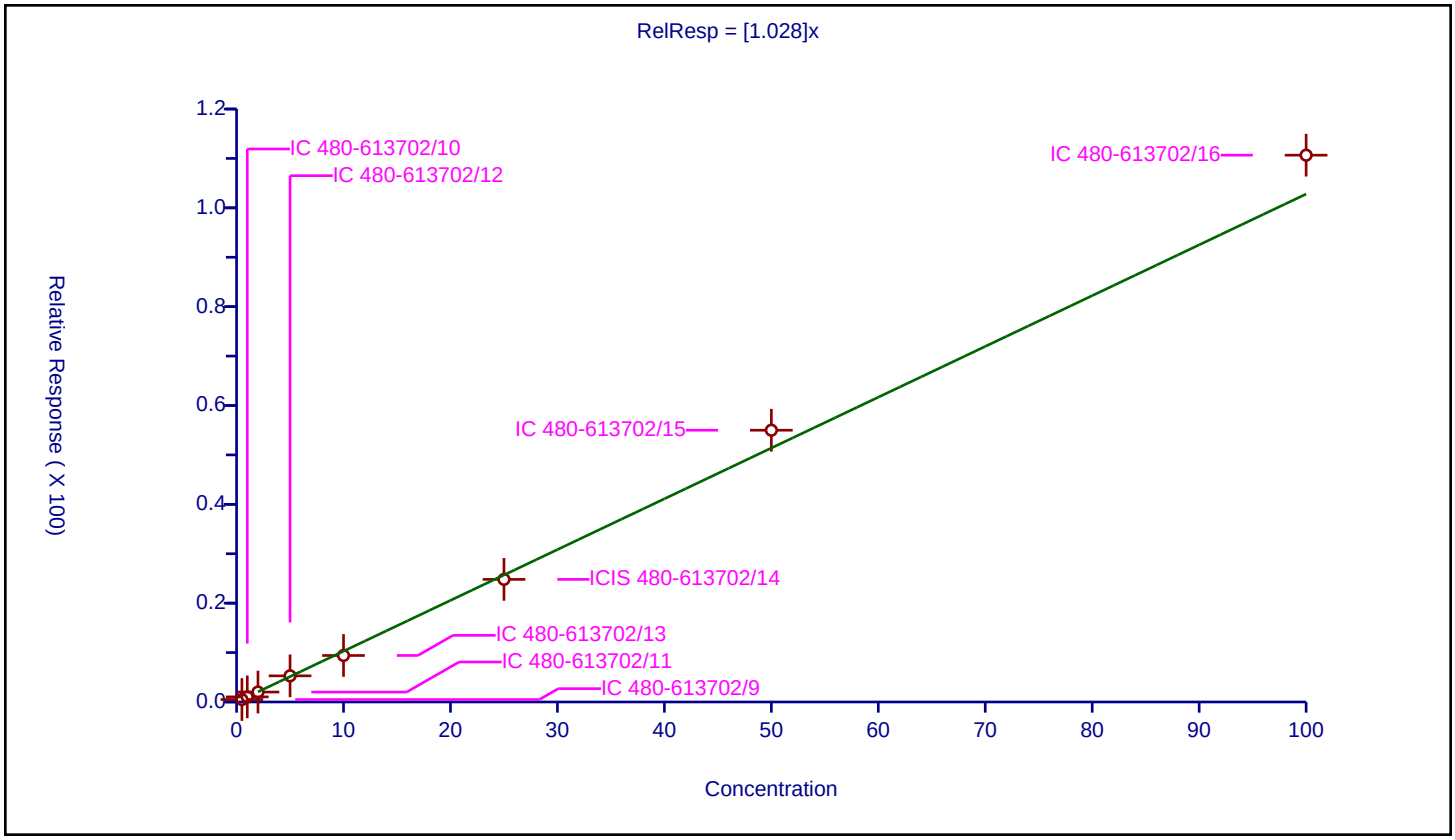
Curve Coefficients

Intercept:	0
Slope:	1.028

Error Coefficients

Standard Error:	701000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.492844	25.0	338393.0	0.985688	Y
2	IC 480-613702/10	1.0	1.033386	25.0	363030.0	1.033386	Y
3	IC 480-613702/11	2.0	2.012057	25.0	360191.0	1.006029	Y
4	IC 480-613702/12	5.0	5.290009	25.0	345127.0	1.058002	Y
5	IC 480-613702/13	10.0	9.410769	25.0	347979.0	0.941077	Y
6	ICIS 480-613702/14	25.0	24.810371	25.0	350685.0	0.992415	Y
7	IC 480-613702/15	50.0	54.998476	25.0	334727.0	1.09997	Y
8	IC 480-613702/16	100.0	110.659294	25.0	374863.0	1.106593	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

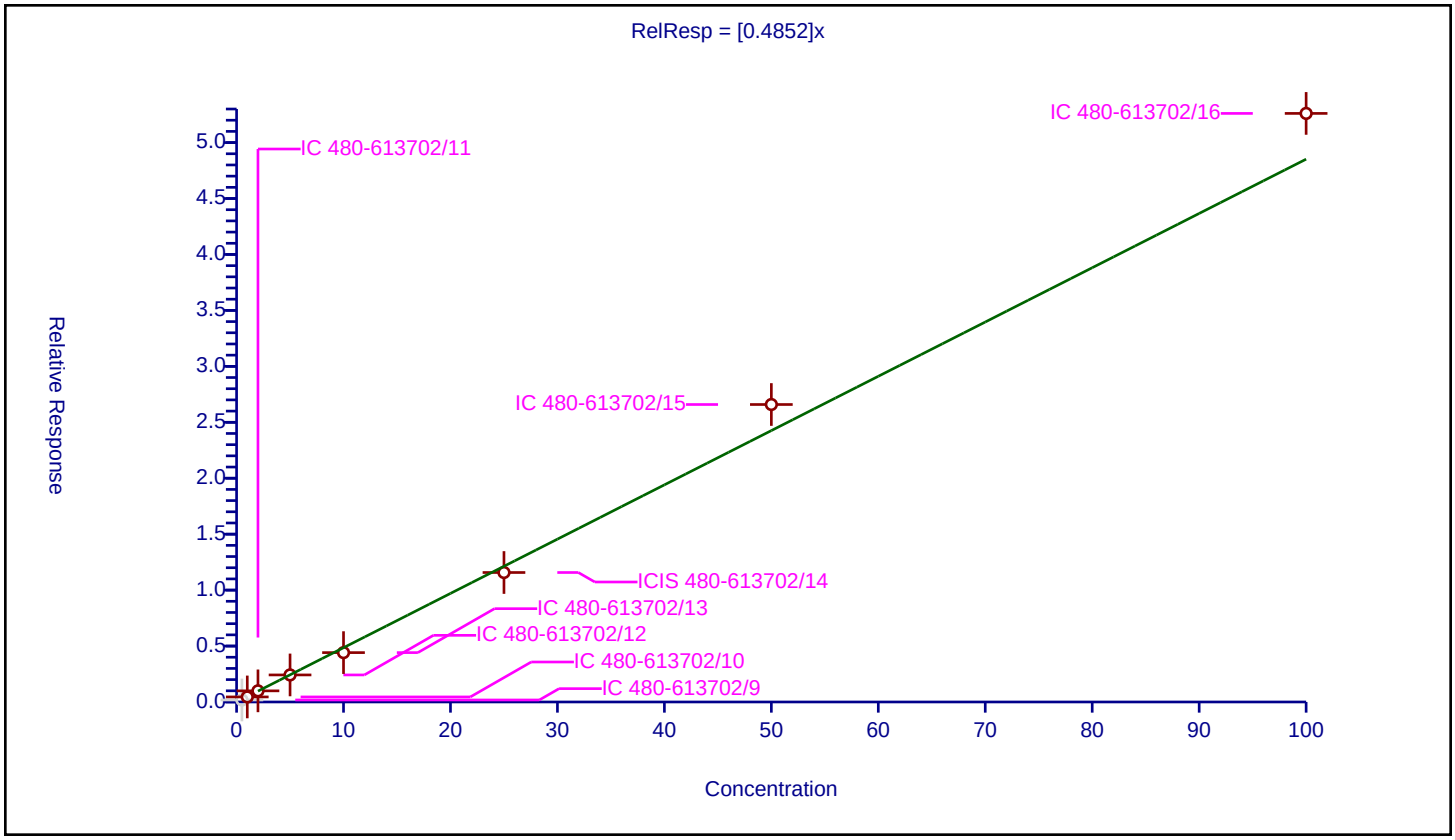
Curve Coefficients

Intercept:	0
Slope:	0.4852

Error Coefficients

Standard Error:	361000
Relative Standard Error:	7.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.180707	25.0	338393.0	0.361414	N
2	IC 480-613702/10	1.0	0.452373	25.0	363030.0	0.452373	Y
3	IC 480-613702/11	2.0	0.995999	25.0	360191.0	0.498	Y
4	IC 480-613702/12	5.0	2.419037	25.0	345127.0	0.483807	Y
5	IC 480-613702/13	10.0	4.412694	25.0	347979.0	0.441269	Y
6	ICIS 480-613702/14	25.0	11.571781	25.0	350685.0	0.462871	Y
7	IC 480-613702/15	50.0	26.589728	25.0	334727.0	0.531795	Y
8	IC 480-613702/16	100.0	52.606752	25.0	374863.0	0.526068	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

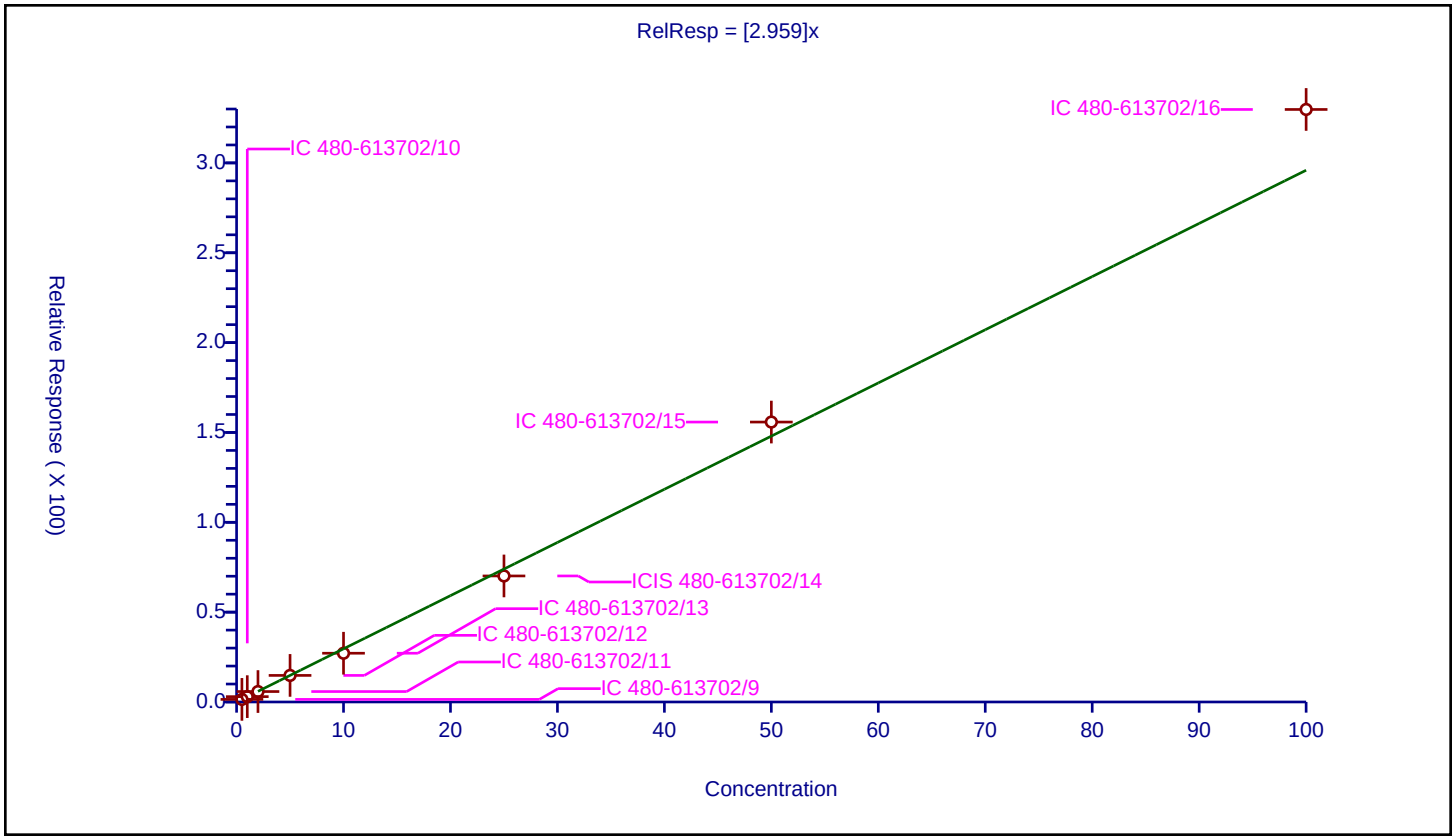
Curve Coefficients

Intercept:	0
Slope:	2.959

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	1.45105	25.0	338393.0	2.902099	Y
2	IC 480-613702/10	1.0	2.976407	25.0	363030.0	2.976407	Y
3	IC 480-613702/11	2.0	5.814137	25.0	360191.0	2.907069	Y
4	IC 480-613702/12	5.0	14.782674	25.0	345127.0	2.956535	Y
5	IC 480-613702/13	10.0	27.129511	25.0	347979.0	2.712951	Y
6	ICIS 480-613702/14	25.0	70.141295	25.0	350685.0	2.805652	Y
7	IC 480-613702/15	50.0	155.79405	25.0	334727.0	3.115881	Y
8	IC 480-613702/16	100.0	329.743866	25.0	374863.0	3.297439	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

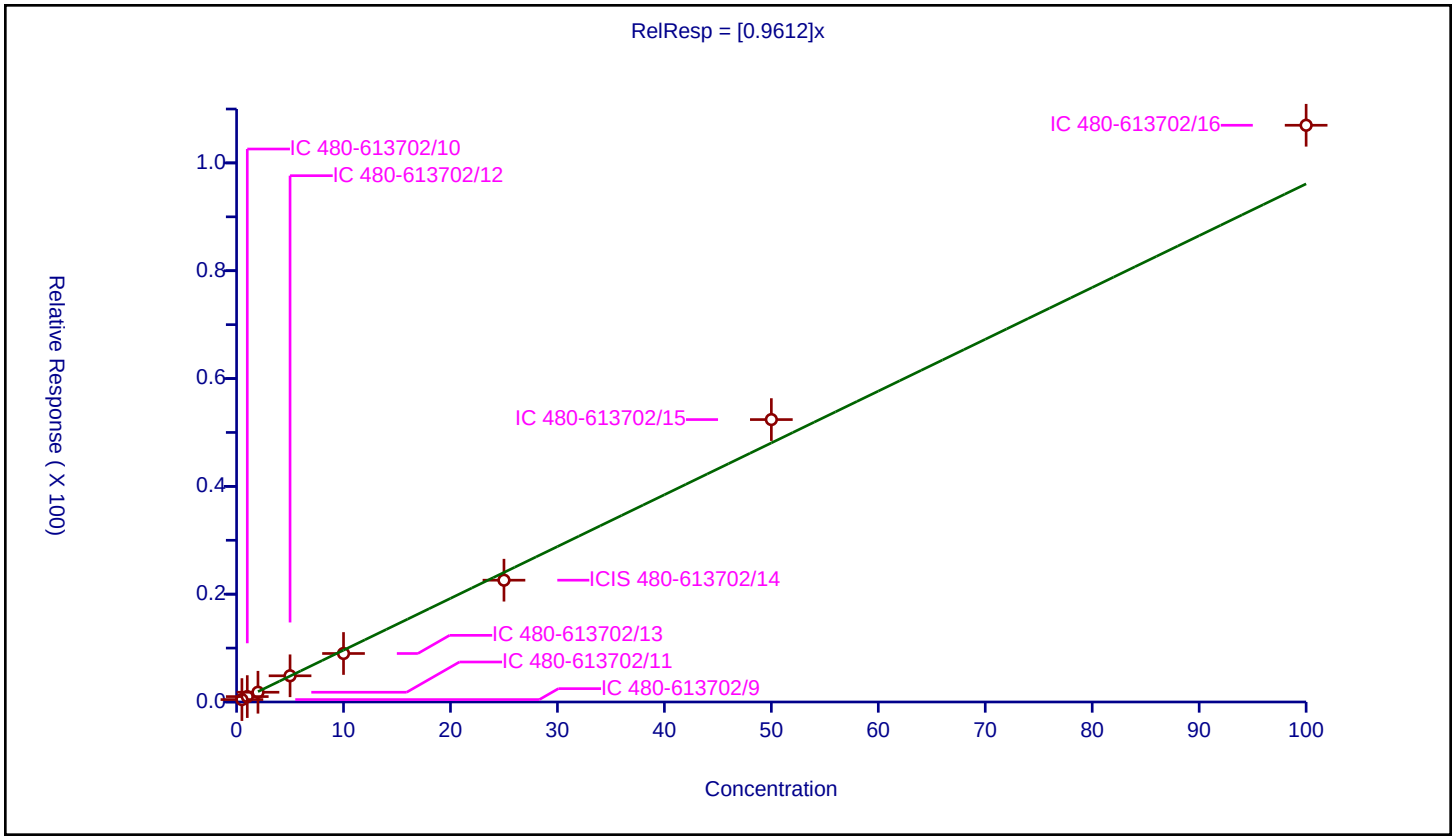
Curve Coefficients

Intercept:	0
Slope:	0.9612

Error Coefficients

Standard Error:	675000
Relative Standard Error:	7.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-613702/9	0.5	0.446818	25.0	338393.0	0.893636	Y
2	IC 480-613702/10	1.0	0.999642	25.0	363030.0	0.999642	Y
3	IC 480-613702/11	2.0	1.806819	25.0	360191.0	0.90341	Y
4	IC 480-613702/12	5.0	4.857777	25.0	345127.0	0.971555	Y
5	IC 480-613702/13	10.0	8.997526	25.0	347979.0	0.899753	Y
6	ICIS 480-613702/14	25.0	22.59264	25.0	350685.0	0.903706	Y
7	IC 480-613702/15	50.0	52.387095	25.0	334727.0	1.047742	Y
8	IC 480-613702/16	100.0	106.98802	25.0	374863.0	1.06988	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-616002/13	S8646.D
Level 2	IC 480-616002/14	S8647.D
Level 3	IC 480-616002/15	S8648.D
Level 4	IC 480-616002/16	S8649.D
Level 5	IC 480-616002/17	S8650.D
Level 6	ICIS 480-616002/18	S8651.D
Level 7	IC 480-616002/19	S8652.D
Level 8	IC 480-616002/20	S8653.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	+++++ 2.0105	1.7261 2.0844	2.3588 1.9696	2.0649	2.0052	Ave		2.0314			0.1000	9.2		20.0			
Chloromethane	2.6886 2.4057	2.2560 2.4599	3.1232 2.2857	2.6748	2.6632	Ave		2.5696			0.1000	11.0		20.0			
Vinyl chloride	+++++ 2.2434	2.1973 2.3036	2.7937 2.1555	2.3216	2.3459	Ave		2.3373			0.1000	9.1		20.0			
Butadiene	+++++ 2.2624	1.7807 2.3473	2.6945 2.2335	2.1898	2.1499	Ave		2.2369				12.1		20.0			
Bromomethane	1.7773 1.3981	1.8339 1.4102	1.8738 +++++	1.6308	1.5218	Ave		1.6351			0.1000	12.1		20.0			
Chloroethane	1.5345 1.4469	1.4365 1.4802	1.8641 +++++	1.6510	1.5976	Ave		1.5730			0.1000	9.6		20.0			
Trichlorofluoromethane	+++++ 2.9921	2.5511 3.0363	3.3387 2.8305	3.1043	2.8573	Ave		2.9586			0.1000	8.3		20.0			
Dichlorofluoromethane	3.2751 3.1763	3.2275 3.2305	4.2025 2.9822	3.6427	3.3055	Ave		3.3803				11.2		20.0			
Ethyl ether	+++++ 1.8387	1.9178 1.8841	2.0077 +++++	2.1786	1.9584	Ave		1.9642				6.1		20.0			
Acrolein	0.2383 0.2310	0.2702 0.2388	0.2808 0.2309	0.2838	0.2621	Ave		0.2545				8.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.6606	1.4370 1.7619	1.2724 1.6604	1.5417	1.7193	Ave		1.5791			0.1000	11.0		20.0			
1,1-Dichloroethene	+++++ 1.5234	1.6780 1.5621	1.4110 1.4694	1.5025	1.6265	Ave		1.5390			0.1000	6.0		20.0			
Acetone	+++++ 0.8055	1.0884 0.8660	1.0038 0.8553	0.9930	0.9336	Ave		0.9351			0.1000	10.7		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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								
Iodomethane	2.8855 2.8248	2.9176 2.8961	2.9191 2.8189	2.9621	3.0848	Ave		2.9136				2.9		20.0			
Carbon disulfide	+++++ 4.9477	4.5004 5.1881	4.5391 5.0541	4.7709	5.0959	Ave		4.8709			0.1000	5.6		20.0			
Allyl chloride	+++++ 2.8750	2.8156 3.0550	2.7487 3.0918	2.8460	3.0612	Ave		2.9276				4.7		20.0			
Methyl acetate	+++++ 1.7582	1.9908 1.8579	1.9499 1.8769	2.0131	1.9468	Ave		1.9134			0.1000	4.6		20.0			
Methylene Chloride	+++++ 1.8308	3.1600 1.8903	2.5258 1.7731	2.2474	2.0474	Lin1	1.5518	1.7961			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1510	0.1592 0.1863	0.1643 +++++	0.1719	0.1509	Ave		0.1639				8.3		20.0			
Methyl tert-butyl ether	5.2289 4.9591	4.6093 5.3675	5.0426 5.4842	5.2520	5.3282	Ave		5.1590			0.1000	5.4		20.0			
trans-1,2-Dichloroethene	+++++ 1.7262	1.6572 1.8326	1.6752 1.7678	1.7140	1.8671	Ave		1.7486			0.1000	4.5		20.0			
Acrylonitrile	+++++ 0.9504	0.9501 1.0141	0.9351 1.0330	1.1019	1.0419	Ave		1.0038				6.1		20.0			
Hexane	+++++ 2.7676	2.6402 3.0223	2.0880 3.0521	2.5619	2.7701	Ave		2.7003				12.0		20.0			
1,1-Dichloroethane	3.4840 3.2930	3.1646 3.4131	3.6051 3.3285	3.5108	3.4971	Ave		3.4120			0.2000	4.2		20.0			
Vinyl acetate	3.1409 3.7505	3.0592 4.3506	2.9864 +++++	3.4066	3.5163	Ave		3.4586				13.8		20.0			
2,2-Dichloropropane	0.8687 0.9888	0.8692 1.1175	0.9104 1.1572	0.9471	1.0595	Ave		0.9898				11.2		20.0			
cis-1,2-Dichloroethene	1.7939 1.8827	1.6893 1.9384	1.9534 1.9022	1.8893	2.0322	Ave		1.8852			0.1000	5.5		20.0			
2-Butanone (MEK)	1.2039 1.1099	1.1471 1.1877	1.1188 1.2959	1.2333	1.1832	Ave		1.1850			0.1000	5.2		20.0			
Chlorobromomethane	1.0014 1.0011	1.0708 1.0579	1.1654 1.0180	1.0921	1.0953	Ave		1.0627				5.3		20.0			
Tetrahydrofuran	0.8623 0.7343	0.7843 0.8170	0.7856 0.8331	0.8815	0.7687	Ave		0.8083				6.1		20.0			
Chloroform	+++++ 3.1110	3.4725 3.2298	3.1423 3.1347	3.2444	3.3889	Ave		3.2462			0.2000	4.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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								
Cyclohexane	+++++ 3.4730	3.0328 3.7236	2.5170 3.6837	2.9267	3.4729	Ave		3.2614			0.1000	13.7		20.0			
1,1,1-Trichloroethane	+++++ 2.1841	1.8928 2.4107	1.9535 2.4996	2.0214	2.1812	Ave		2.1633			0.1000	10.5		20.0			
Carbon tetrachloride	+++++ 1.6472	1.6247 1.9359	1.3438 2.0615	1.4823	1.6321	Ave		1.6754			0.1000	14.8		20.0			
1,1-Dichloropropene	2.0694 2.4223	2.2059 2.5632	1.9769 2.5622	2.3104	2.3883	Ave		2.3123				9.3		20.0			
Benzene	6.6179 6.9866	6.6830 7.4485	6.6967 7.4158	7.2484	7.4206	Ave		7.0647			0.5000	5.1		20.0			
Isobutyl alcohol	0.0656 0.0725	0.0611 0.0887	0.0570 +++++	0.0643	0.0656	Ave		0.0678				15.3		20.0			
1,2-Dichloroethane	+++++ 2.8476	3.1905 2.9334	3.0229 2.9289	3.1654	3.0988	Ave		3.0268			0.1000	4.3		20.0			
n-Heptane	2.4318 2.9881	2.8691 3.3021	2.4104 3.2992	2.5535	3.0630	Ave		2.8646				12.7		20.0			
Trichloroethene	+++++ 1.7324	1.6538 1.8507	1.6284 1.8250	1.7546	1.8684	Ave		1.7590			0.2000	5.4		20.0			
Methylcyclohexane	+++++ 3.1025	2.3723 3.3826	2.2040 3.3358	2.5767	3.0915	Ave		2.8665			0.1000	16.6		20.0			
1,2-Dichloropropane	+++++ 1.6781	1.8371 1.7782	1.7415 1.8536	1.8607	1.7350	Ave		1.7835			0.1000	3.9		20.0			
Dibromomethane	+++++ 1.1159	1.1275 1.1495	1.2567 1.1426	1.2715	1.2071	Ave		1.1815			0.1000	5.4		20.0			
1,4-Dioxane	0.0107 0.0140	0.0079 0.0133	0.0130 0.0124	0.0133	0.0146	Ave		0.0124				17.3		20.0			
Bromodichloromethane	+++++ 1.9416	1.9514 2.1721	1.7738 2.2922	1.9217	1.9812	Ave		2.0049			0.2000	8.6		20.0			
2-Chloroethyl vinyl ether	0.9337 0.9984	0.9599 1.1015	0.7757 +++++	0.9910	1.0466	Ave		0.9724				10.6		20.0			
cis-1,3-Dichloropropene	+++++ 2.1201	1.8443 2.5272	1.7987 +++++	2.0788	2.0730	Ave		2.0737			0.2000	12.5		20.0			
4-Methyl-2-pentanone (MIBK)	1.0968 1.2035	1.0860 1.2275	1.0506 1.2817	1.1650	1.2160	Ave		1.1659			0.1000	6.9		20.0			
Toluene	+++++ 2.2118	2.3602 2.2450	2.1821 2.2546	2.1121	2.2877	Ave		2.2362			0.4000	3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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								
trans-1,3-Dichloropropene	0.6321 0.8944	0.7343 1.0338	0.6552 +++++	0.7062	0.7998	Ave		0.7794			0.1000	18.4		20.0			
Ethyl methacrylate	+++++ 0.8395	0.5588 0.9532	0.5664 +++++	0.6656	0.7554	Lin1	-0.612	0.9128							0.9930		0.9900
1,1,2-Trichloroethane	+++++ 0.6381	0.6594 0.6495	0.6234 0.6565	0.6272	0.6679	Ave		0.6460			0.1000	2.6		20.0			
Tetrachloroethene	+++++ 1.0592	1.0706 1.0431	0.9982 1.0390	0.9290	1.0500	Ave		1.0270			0.2000	4.8		20.0			
1,3-Dichloropropane	+++++ 1.3811	1.3749 1.3610	1.3646 1.4075	1.4112	1.3856	Ave		1.3837				1.4		20.0			
2-Hexanone	+++++ 0.7727	0.6338 0.7784	0.6433 0.8763	0.6873	0.7428	Ave		0.7335			0.1000	11.7		20.0			
Dibromochloromethane	+++++ 0.6926	0.6421 0.7677	0.6110 0.8340	0.6620	0.6423	Ave		0.6931			0.1000	11.5		20.0			
1,2-Dibromoethane	+++++ 0.7319	0.6749 0.7926	0.5535 0.8427	0.6246	0.6906	Ave		0.7015				14.0		20.0			
Chlorobenzene	+++++ 2.5460	2.6191 2.5947	2.5590 2.6104	2.4949	2.6068	Ave		2.5759			0.5000	1.7		20.0			
Ethylbenzene	+++++ 4.1110	3.7532 4.1847	3.5247 4.3380	3.7091	3.9821	Ave		3.9432			0.1000	7.4		20.0			
1,1,1,2-Tetrachloroethane	0.6318 0.6976	0.5532 0.7950	0.5730 0.8476	0.5969	0.6617	Ave		0.6696				15.7		20.0			
m,p-Xylene	+++++ 1.6459	1.3601 1.6495	1.4046 1.7099	1.4074	1.6348	Ave		1.5446			0.1000	9.5		20.0			
o-Xylene	+++++ 1.6507	1.3150 1.6741	1.4348 1.6846	1.4680	1.6363	Ave		1.5519			0.3000	9.3		20.0			
Styrene	+++++ 2.6632	2.1365 2.7374	2.0426 2.8809	2.3569	2.5151	Ave		2.4761			0.3000	12.6		20.0			
Bromoform	0.3727 0.4374	0.4032 0.4840	0.3950 0.5621	0.3926	0.4288	Ave		0.4345			0.1000	14.3		20.0			
Isopropylbenzene	+++++ 4.0840	3.2871 4.3050	3.6297 4.2038	3.5473	4.0438	Ave		3.8715			0.1000	9.9		20.0			
Bromobenzene	+++++ 1.0466	1.0783 1.0548	1.0382 1.0395	1.0337	1.0640	Ave		1.0507				1.5		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9892	0.9915 1.0211	0.9176 0.9946	1.0201	1.0174	Ave		0.9931			0.3000	3.6		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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								
N-Propylbenzene	+++++ 4.5284	3.6866 4.7232	3.8939 4.6982	3.9061	4.4528	Ave		4.2699				10.0		20.0			
1,2,3-Trichloropropane	+++++ 0.3655	0.3468 0.3561	0.3711 0.3460	0.3817	0.3669	Ave		0.3620				3.6		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3253	0.3668 0.3412	0.2981 0.3588	0.3106	0.3255	Ave		0.3323				7.5		20.0			
2-Chlorotoluene	0.7848 0.9663	0.9417 0.9668	0.9413 0.9392	0.9383	0.9800	Ave		0.9323				6.6		20.0			
1,3,5-Trimethylbenzene	+++++ 3.4283	2.7292 3.5893	2.8882 3.5584	3.0718	3.3957	Ave		3.2373				10.5		20.0			
4-Chlorotoluene	+++++ 0.9770	0.9071 0.9762	0.9388 0.9787	0.9450	1.0027	Ave		0.9608				3.3		20.0			
tert-Butylbenzene	+++++ 0.8071	0.6828 0.8442	0.6419 0.8253	0.6898	0.7597	Ave		0.7501				10.6		20.0			
1,2,4-Trimethylbenzene	+++++ 3.5368	2.7994 3.6365	2.8944 3.5957	3.1278	3.5036	Ave		3.2992				10.7		20.0			
sec-Butylbenzene	+++++ 4.4701	3.4906 4.7343	3.5419 4.6870	3.7369	4.3801	Ave		4.1487				13.1		20.0			
1,3-Dichlorobenzene	+++++ 2.0260	1.9609 2.0379	1.9028 2.0120	2.0653	2.0886	Ave		2.0134			0.6000	3.1		20.0			
4-Isopropyltoluene	+++++ 3.9869	2.8476 4.1744	3.0794 4.1533	3.3062	3.8411	Ave		3.6270				14.9		20.0			
1,4-Dichlorobenzene	2.2132 2.0618	2.1117 2.0730	2.1312 2.0607	2.0474	2.1713	Ave		2.1088			0.5000	2.8		20.0			
n-Butylbenzene	+++++ 3.3299	2.4573 3.4706	2.7886 3.4407	2.8329	3.2103	Ave		3.0758				12.6		20.0			
1,2-Dichlorobenzene	1.8855 2.0219	1.9571 2.0414	1.9153 1.9816	2.0218	2.0981	Ave		1.9904			0.4000	3.5		20.0			
1,2-Dibromo-3-Chloropropane	0.1381 0.1401	0.1579 0.1694	0.1011 +++++	0.1192	0.1325	Ave		0.1369			0.0500	16.7		20.0			
1,2,4-Trichlorobenzene	1.4621 1.4926	1.3548 1.5563	1.4202 1.5024	1.5148	1.5097	Ave		1.4766			0.2000	4.3		20.0			
Hexachlorobutadiene	+++++ 0.7097	0.5464 0.7589	0.6674 0.7492	0.6300	0.7101	Ave		0.6817				10.9		20.0			
Naphthalene	+++++ 4.0497	3.0182 4.3275	3.2874 4.2821	3.5310	3.9019	Ave		3.7711				13.4		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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								
1,2,3-Trichlorobenzene	1.4092 1.5025	1.3911 1.5596	1.4353 1.5105	1.4914	1.5573	Ave		1.4821				4.3		20.0			
Dibromofluoromethane (Surr)	1.4321 1.3748	1.3340 1.4384	1.4063 1.4387	1.4519	1.4430	Ave		1.4149				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.9485 0.8744	0.8915 0.8963	0.9232 0.9023	0.9336	0.9157	Ave		0.9107				2.7		20.0			
Toluene-d8 (Surr)	2.6243 2.6664	2.6321 2.6212	2.6423 2.6162	2.6062	2.6716	Ave		2.6350				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.8091 0.8563	0.8417 0.8407	0.8329 0.8839	0.8103	0.8456	Ave		0.8401				2.9		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-616002/13	S8646.D
Level 2	IC 480-616002/14	S8647.D
Level 3	IC 480-616002/15	S8648.D
Level 4	IC 480-616002/16	S8649.D
Level 5	IC 480-616002/17	S8650.D
Level 6	ICIS 480-616002/18	S8651.D
Level 7	IC 480-616002/19	S8652.D
Level 8	IC 480-616002/20	S8653.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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	+++++ 392005	12956 810350	33425 1633275	74129	145297	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	9214 469042	16933 956308	44257 1895436	96027	192980	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 437400	16493 895546	39587 1787445	83344	169985	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 441115	13366 912541	38182 1852153	78615	155784	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	6091 272589	13765 548222	26552 +++++	58547	110272	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Chloroethane	FB	Ave	5259 282115	10782 575435	26415 +++++	59272	115762	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 583389	19148 1180421	47311 2347224	111443	207040	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	11224 619290	24225 1255884	59551 2472973	130774	239521	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 358506	14395 732479	28450 +++++	78210	141904	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Acrolein	FB	Ave	4084 225158	10140 464174	19892 957477	50937	94972	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 323783	10786 684971	18031 1376911	55347	124578	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 297026	12595 607305	19994 1218526	53939	117858	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++	40846	71122	178251	338228	+++++	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			785279	1683399	3546183			125	250	500		
Iodomethane	FB	Ave	9889 550773	21899 1125886	41365 2337557	106339	223526	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 964675	33780 2016932	64321 4191145	171276	369251	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	+++++ 560550	21134 1187671	38950 2563860	102171	221814	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	+++++ 685620	29886 1444539	55262 3112801	144543	282131	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	+++++ 356965	23719 734875	35792 1470358	80680	148354	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 294354	11950 724233	23282 +++++	61712	109353	+++++ 250	10.0 500	20.0 +++++	50.0	100
Methyl tert-butyl ether	FB	Ave	17920 966906	34597 2086696	71455 4547834	188547	386084	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 336571	12439 712440	23738 1465971	61532	135290	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 1852969	71313 3942587	132506 8565912	395585	754932	+++++ 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 539605	19817 1174960	29587 2530951	91972	200719	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	11940 642054	23753 1326909	51086 2760166	126037	253398	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	21528 1462520	45924 3382694	84636 +++++	244597	509578	1.00 50.0	2.00 100	4.00 +++++	10.0	20.0
2,2-Dichloropropane	FB	Ave	2977 192792	6524 434441	12900 959649	34001	76772	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	6148 367083	12680 753564	27681 1577446	67826	147253	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	20630 1082002	43049 2308741	79272 5373362	221380	428659	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3432 195194	8037 411273	16514 844177	39206	79363	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	5910 286330	11774 635227	22265 1381717	63289	111394	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++	26064	44528	116473	245562	+++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			606562	1255640	2599475			25.0	50.0	100		
Cyclohexane	FB	Ave	+++++ 677146	22764 1447593	35666 3054763	105068	251648	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 425837	14207 937202	27682 2072837	72569	158048	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 321162	12195 752603	19042 1709543	53214	118266	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	7092 472284	16557 996480	28013 2124703	82943	173060	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	22680 1362206	50162 2895722	94894 6149622	260219	537697	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5622 353558	11456 862314	20202 +++++	57702	118753	12.5 625	25.0 1250	50.0 +++++	125	250
1,2-Dichloroethane	FB	Ave	+++++ 555214	23948 1140389	42835 2428816	113638	224539	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8334 582597	21535 1283737	34156 2735840	91671	221946	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 337775	12413 719500	23075 1513400	62990	135384	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 604914	17806 1315020	31231 2766270	92505	224009	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 327197	13789 691282	24678 1537142	66799	125719	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 217570	8463 446881	17808 947509	45647	87469	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1411 103422	2254 207616	6914 429845	19117	40968	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	+++++ 378559	14647 844448	25135 1900828	68990	143562	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3200 194658	7205 428210	10992 +++++	35577	75835	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 413358	13843 982469	25488 +++++	74630	150210	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	36270	77210	139167	418677	855605	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			2219283	4785200	11120562			125	250	500		
Toluene	CBNZ d5	Ave	+++++	33561	57813	151804	321951	+++++	1.00	2.00	5.00	10.0
			815692	1750363	3912416			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	4181	10442	17358	50757	112554	0.500	1.00	2.00	5.00	10.0
			329857	806020	+++++			25.0	50.0	+++++		
Ethyl methacrylate	CBNZ d5	Lin1	+++++	7946	15007	47837	106303	+++++	1.00	2.00	5.00	10.0
			309591	743178	+++++			25.0	50.0	+++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++	9377	16515	45083	93994	+++++	1.00	2.00	5.00	10.0
			235324	506387	1139204			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	+++++	15224	26445	66775	147764	+++++	1.00	2.00	5.00	10.0
			390622	813291	1802930			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	+++++	19551	36153	101428	194990	+++++	1.00	2.00	5.00	10.0
			509322	1061098	2442530			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	+++++	45061	85219	247003	522687	+++++	5.00	10.0	25.0	50.0
			1424840	3034394	7603289			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	+++++	9131	16187	47584	90391	+++++	1.00	2.00	5.00	10.0
			255433	598538	1447195			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	+++++	9597	14663	44893	97181	+++++	1.00	2.00	5.00	10.0
			269926	617957	1462364			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	+++++	37243	67797	179324	366849	+++++	1.00	2.00	5.00	10.0
			938958	2022987	4529985			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	+++++	53369	93382	266594	560390	+++++	1.00	2.00	5.00	10.0
			1516105	3262632	7527862			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4179	7867	15181	42900	93120	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			257257	619838	1470918			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	+++++ 606984	19340 1286045	37214 2967335	101159	230065	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	+++++ 608756	18699 1305236	38014 2923388	105514	230281	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	+++++ 982172	30380 2134281	54115 4999414	169402	353951	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2465 161298	5734 377382	10466 975352	28216	60344	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	+++++ 1639330	49051 3587768	102299 8079110	271453	605065	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	+++++ 420110	16090 879066	29261 1997862	79104	159199	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 397072	14796 851010	25862 1911539	78063	152231	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	+++++ 1817720	55013 3936338	109746 9029302	298911	666266	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 146712	5175 296738	10459 664992	29210	54901	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 130560	5473 284391	8403 689594	23767	48700	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5278 387894	14053 805700	26529 1805038	71800	146634	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++	40726	81400	235064	508100	+++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1376148	2991317	6838717			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	+++++ 392184	13536 813556	26458 1880985	72319	150031	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 323960	10189 703563	18092 1586134	52787	113681	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 1419688	41774 3030677	81576 6910495	239352	524241	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1794317	52088 3945555	99826 9007794	285964	655391	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 813232	29261 1698359	53629 3866878	158046	312517	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1600372	42492 3478954	86790 7982096	253008	574742	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	14884 827625	31511 1727655	60067 3960457	156673	324897	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1336634	36668 2892365	78594 6612666	216787	480355	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	12680 811610	29204 1701316	53981 3808457	154720	313939	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	929 56236	2356 141177	2849 +++++	9124	19822	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9833 599115	20217 1297018	40026 2887380	115916	225892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	+++++	8154	18809	48210	106252	+++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			284880	632440	1439828			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	+++++ 1625558	45039 3606510	92653 8229673	270204	583840	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	9477 603114	20758 1299747	40453 2902924	114131	233019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	245404 268053	250329 279603	249101 298253	260609	261397	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	162526 170492	167297 174222	163527 187066	167589	165874	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	867850 983330	935679 1021815	875037 1134988	936609	939925	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	267580 315814	299215 327748	275829 383476	291185	297487	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-616002/13	S8646.D
Level 2	IC 480-616002/14	S8647.D
Level 3	IC 480-616002/15	S8648.D
Level 4	IC 480-616002/16	S8649.D
Level 5	IC 480-616002/17	S8650.D
Level 6	ICIS 480-616002/18	S8651.D
Level 7	IC 480-616002/19	S8652.D
Level 8	IC 480-616002/20	S8653.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	+++++	-15.0						30				
Chloromethane	4.6						30					
Vinyl chloride	+++++	-6.0						30				
Butadiene	+++++	-20.4						30				
Bromomethane	8.7	+++++					30					
Chloroethane	-2.4	+++++					30					
Trichlorofluoromethane	+++++	-13.8						30				
Dichlorofluoromethane	-3.1						30					
Ethyl ether	+++++	-2.4 +++++						30				
Acrolein	-6.3						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	-9.0						30				
1,1-Dichloroethene	+++++	9.0						30				
Acetone	+++++	16.4						30				
Iodomethane	-1.0						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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
Carbon disulfide	+++++	-7.6						30				
Allyl chloride	+++++	-3.8						30				
Methyl acetate	+++++	4.0						30				
Methylene Chloride	+++++	-10.5						30				
2-Methyl-2-propanol	+++++	-2.9 +++++						30				
Methyl tert-butyl ether	1.4						30					
trans-1,2-Dichloroethene	+++++	-5.2						30				
Acrylonitrile	+++++	-5.3						30				
Hexane	+++++	-2.2						30				
1,1-Dichloroethane	2.1						30					
Vinyl acetate	-9.2	+++++					30					
2,2-Dichloropropane	-12.2						30					
cis-1,2-Dichloroethene	-4.8						30					
2-Butanone (MEK)	1.6						30					
Chlorobromomethane	-5.8						30					
Tetrahydrofuran	6.7						30					
Chloroform	+++++	7.0						30				
Cyclohexane	+++++	-7.0						30				
1,1,1-Trichloroethane	+++++	-12.5						30				
Carbon tetrachloride	+++++	-3.0						30				
1,1-Dichloropropene	-10.5						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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	-6.3						30					
Isobutyl alcohol	-3.3	+++++					30					
1,2-Dichloroethane	+++++	5.4						30				
n-Heptane	-15.1						30					
Trichloroethene	+++++	-6.0						30				
Methylcyclohexane	+++++	-17.2						30				
1,2-Dichloropropane	+++++	3.0						30				
Dibromomethane	+++++	-4.6						30				
1,4-Dioxane	-14.0						30					
Bromodichloromethane	+++++	-2.7						30				
2-Chloroethyl vinyl ether	-4.0	+++++					30					
cis-1,3-Dichloropropene	+++++	-11.1 +++++						30				
4-Methyl-2-pentanone (MIBK)	-5.9						30					
Toluene	+++++	5.5						30				
trans-1,3-Dichloropropene	-18.9	+++++					30					
Ethyl methacrylate	+++++	28.2 +++++						30				
1,1,2-Trichloroethane	+++++	2.1						30				
Tetrachloroethene	+++++	4.2						30				
1,3-Dichloropropane	+++++	-0.6						30				
2-Hexanone	+++++	-13.6						30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

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
Dibromochloromethane	+++++	-7.4						30				
1,2-Dibromoethane	+++++	-3.8						30				
Chlorobenzene	+++++	1.7						30				
Ethylbenzene	+++++	-4.8						30				
1,1,1,2-Tetrachloroethane	-5.6						30					
m,p-Xylene	+++++	-11.9						30				
o-Xylene	+++++	-15.3						30				
Styrene	+++++	-13.7						30				
Bromoform	-14.2						30					
Isopropylbenzene	+++++	-15.1						30				
Bromobenzene	+++++	2.6						30				
1,1,2,2-Tetrachloroethane	+++++	-0.2						30				
N-Propylbenzene	+++++	-13.7						30				
1,2,3-Trichloropropane	+++++	-4.2						30				
trans-1,4-Dichloro-2-butene	+++++	10.4						30				
2-Chlorotoluene	-15.8						30					
1,3,5-Trimethylbenzene	+++++	-15.7						30				
4-Chlorotoluene	+++++	-5.6						30				
tert-Butylbenzene	+++++	-9.0						30				
1,2,4-Trimethylbenzene	+++++	-15.1						30				
sec-Butylbenzene	+++++	-15.9						30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 616002

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 19:14 Calibration End Date: 02/24/2022 21:56 Calibration ID: 43179

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	+++++	-2.6						30				
4-Isopropyltoluene	+++++	-21.5						30				
1,4-Dichlorobenzene	5.0						30					
n-Butylbenzene	+++++	-20.1						30				
1,2-Dichlorobenzene	-5.3						30					
1,2-Dibromo-3-Chloropropane	0.9	+++++					30					
1,2,4-Trichlorobenzene	-1.0						30					
Hexachlorobutadiene	+++++	-19.8						30				
Naphthalene	+++++	-20.0						30				
1,2,3-Trichlorobenzene	-4.9						30					
Dibromofluoromethane (Surr)	1.2						30					
1,2-Dichloroethane-d4 (Surr)	4.1						30					
Toluene-d8 (Surr)	-0.4						30					
4-Bromofluorobenzene (Surr)	-3.7						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Feb-2022 19:14:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0104096-013
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:34:42 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:36:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	99	171354	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	330701	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	95	336253	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	56	245404	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	92	162526	25.0	26.0	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	92	867850	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	93	267580	25.0	24.1	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	64	5361	0.5000	0.3850	
12 Chloromethane	50	1.193	1.181	0.012	52	9214	0.5000	0.5231	M
13 Vinyl chloride	62	1.254	1.254	0.000	20	6115	0.5000	0.3817	
151 Butadiene	54	1.278	1.272	0.006	88	5934	0.5000	0.3870	
14 Bromomethane	94	1.527	1.515	0.012	23	6091	0.5000	0.5435	
15 Chloroethane	64	1.576	1.576	0.000	33	5259	0.5000	0.4878	
17 Trichlorofluoromethane	101	1.758	1.759	-0.001	42	7837	0.5000	0.3865	
16 Dichlorofluoromethane	67	1.777	1.771	0.006	52	11224	0.5000	0.4844	
18 Ethyl ether	59	1.996	1.996	0.000	63	7666	0.5000	0.5694	
20 Acrolein	56	2.160	2.166	-0.006	60	4084	2.50	2.34	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.190	2.197	-0.007	44	4033	0.5000	0.3726	
22 1,1-Dichloroethene	96	2.196	2.209	-0.013	56	4615	0.5000	0.4375	
23 Acetone	43	2.312	2.312	0.000	89	23624	2.50	3.69	a
25 Iodomethane	142	2.361	2.361	0.000	80	9889	0.5000	0.4952	
26 Carbon disulfide	76	2.385	2.385	0.000	56	13578	0.5000	0.4067	M
28 3-Chloro-1-propene	41	2.543	2.537	0.006	53	11753	0.5000	0.5857	
27 Methyl acetate	43	2.592	2.592	0.000	0	14634	1.00	1.12	M
30 Methylene Chloride	84	2.677	2.677	0.000	91	15958	0.5000	0.4323	M
31 2-Methyl-2-propanol	59	2.872	2.860	0.012	43	4707	5.00	4.19	Ma
32 Methyl tert-butyl ether	73	2.878	2.884	-0.006	84	17920	0.5000	0.5068	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	54	5560	0.5000	0.4639	
33 Acrylonitrile	53	2.957	2.957	0.000	99	37657	5.00	5.47	
35 Hexane	57	3.079	3.079	0.000	86	6791	0.5000	0.3669	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	32	11940	0.5000	0.5105	
37 Vinyl acetate	43	3.365	3.359	0.006	95	21528	1.00	0.9081	
44 2,2-Dichloropropane	77	3.796	3.797	-0.001	27	2977	0.5000	0.4388	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	69	6148	0.5000	0.4758	
43 2-Butanone (MEK)	43	3.894	3.882	0.012	94	20630	2.50	2.54	
48 Chlorobromomethane	128	4.064	4.064	0.000	74	3432	0.5000	0.4712	
49 Tetrahydrofuran	42	4.088	4.083	0.005	68	5910	1.00	1.07	
50 Chloroform	83	4.155	4.149	0.006	79	13123	0.5000	0.5898	
52 Cyclohexane	56	4.241	4.247	-0.006	64	7124	0.5000	0.3187	M
51 1,1,1-Trichloroethane	97	4.241	4.247	-0.006	31	6254	0.5000	0.4218	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	44	4224	0.5000	0.3678	M
54 1,1-Dichloropropene	75	4.399	4.393	0.006	61	7092	0.5000	0.4475	M
57 Benzene	78	4.587	4.594	-0.007	43	22680	0.5000	0.4684	
53 Isobutyl alcohol	43	4.660	4.661	-0.001	54	5622	12.5	12.1	
58 1,2-Dichloroethane	62	4.672	4.667	0.005	1	11602	0.5000	0.5592	
59 n-Heptane	43	4.788	4.782	0.006	73	8334	0.5000	0.4245	
62 Trichloroethene	95	5.208	5.202	0.006	58	5245	0.5000	0.4350	
64 Methylcyclohexane	83	5.299	5.305	-0.006	55	6680	0.5000	0.3400	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	66	5557	0.5000	0.4546	
67 Dibromomethane	93	5.579	5.573	0.006	70	3361	0.5000	0.4150	
66 1,4-Dioxane	88	5.597	5.591	0.006	15	1411	10.0	8.60	Ma
68 Dichlorobromomethane	83	5.737	5.731	0.006	39	5548	0.5000	0.4037	
69 2-Chloroethyl vinyl ether	63	6.041	6.023	0.018	0	3200	0.5000	0.4801	M
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	51	5484	0.5000	0.3858	
73 4-Methyl-2-pentanone (MIBK)	43	6.309	6.303	0.006	89	36270	2.50	2.35	
74 Toluene	92	6.425	6.425	0.000	64	12272	0.5000	0.4149	
77 trans-1,3-Dichloropropene	75	6.729	6.717	0.012	51	4181	0.5000	0.4055	a
75 Ethyl methacrylate	69	6.783	6.778	0.005	0	4014	0.5000	1.00	M
79 1,1,2-Trichloroethane	83	6.905	6.899	0.006	49	3667	0.5000	0.4291	
81 Tetrachloroethene	166	6.942	6.942	0.000	61	6004	0.5000	0.4419	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	62	8363	0.5000	0.4569	
80 2-Hexanone	43	7.142	7.137	0.005	87	18765	2.50	1.93	
83 Chlorodibromomethane	129	7.288	7.289	-0.001	43	3831	0.5000	0.4178	
84 Ethylene Dibromide	107	7.380	7.380	0.000	49	3463	0.5000	0.3732	
87 Chlorobenzene	112	7.854	7.854	0.000	76	14985	0.5000	0.4398	
88 Ethylbenzene	91	7.958	7.952	0.006	78	19112	0.5000	0.3664	
89 1,1,1,2-Tetrachloroethane	131	7.952	7.958	-0.006	30	4179	0.5000	0.4718	
90 m-Xylene & p-Xylene	106	8.079	8.073	0.006	60	8075	0.5000	0.3952	a
91 o-Xylene	106	8.493	8.493	0.000	79	7551	0.5000	0.3678	M
92 Styrene	104	8.529	8.530	-0.001	29	12365	0.5000	0.3775	
95 Bromoform	173	8.767	8.767	0.000	24	2465	0.5000	0.4289	
94 Isopropylbenzene	105	8.882	8.876	0.006	77	19594	0.5000	0.3763	
101 Bromobenzene	156	9.223	9.223	0.000	54	6670	0.5000	0.4720	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.314	-0.006	31	7278	0.5000	0.5449	
99 N-Propylbenzene	91	9.320	9.321	-0.001	82	21853	0.5000	0.3805	
100 1,2,3-Trichloropropane	110	9.333	9.333	-0.001	40	2705	0.5000	0.5555	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	1	1940	0.5000	0.4340	
103 2-Chlorotoluene	126	9.424	9.424	0.000	77	5278	0.5000	0.4209	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	65	16725	0.5000	0.3841	
105 4-Chlorotoluene	126	9.545	9.546	-0.001	33	6169	0.5000	0.4774	a
106 tert-Butylbenzene	134	9.837	9.844	-0.007	56	3983	0.5000	0.3948	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	45	15333	0.5000	0.3455	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	65	18315	0.5000	0.3282	
111 1,3-Dichlorobenzene	146	10.196	10.190	0.006	81	12615	0.5000	0.4658	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	66	15400	0.5000	0.3157	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	61	14884	0.5000	0.5248	a
115 n-Butylbenzene	91	10.610	10.610	0.000	73	14923	0.5000	0.3607	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	60	12680	0.5000	0.4737	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	1	929	0.5000	0.5045	Ma
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	48	9833	0.5000	0.4951	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	15	3355	0.5000	0.3659	
121 Naphthalene	128	12.289	12.283	0.006	59	20919	0.5000	0.4124	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	66	9477	0.5000	0.4754	
S 126 1,3-Dichloropropene, Total	1				0			0.7914	
S 125 1,2-Dichloroethene, Total	1				0			0.9397	
S 123 Total BTEX	1				0			2.01	
S 124 Xylenes, Total	1				0			0.7630	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

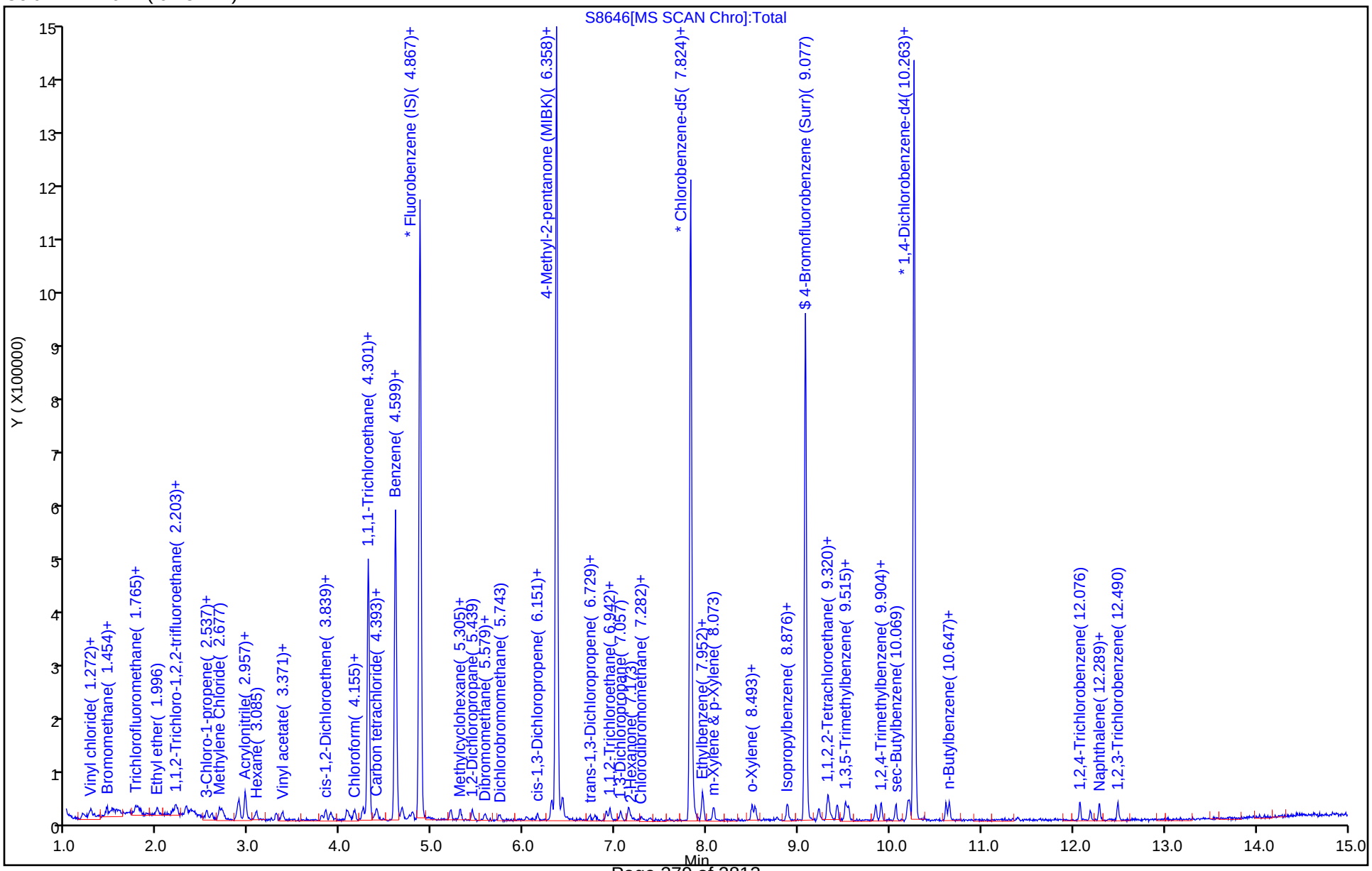
GAS CORP mix_00497	Amount Added:	0.50	Units: uL	
8260 CORP mix_00220	Amount Added:	0.50	Units: uL	
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:34:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S	Operator ID:	AG/LH
Lims ID:	IC 0.5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

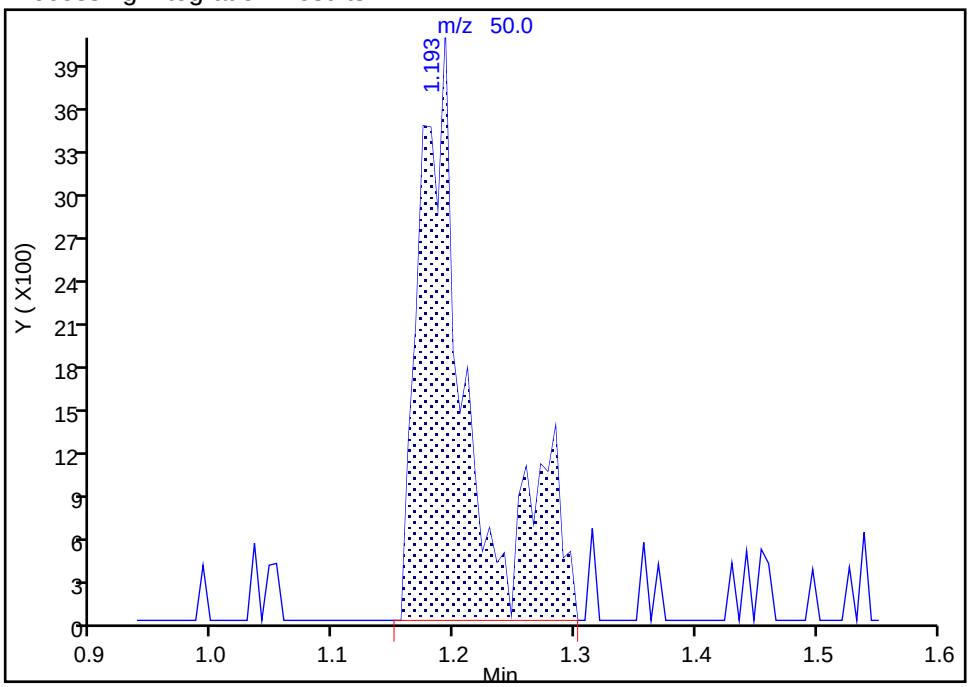
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

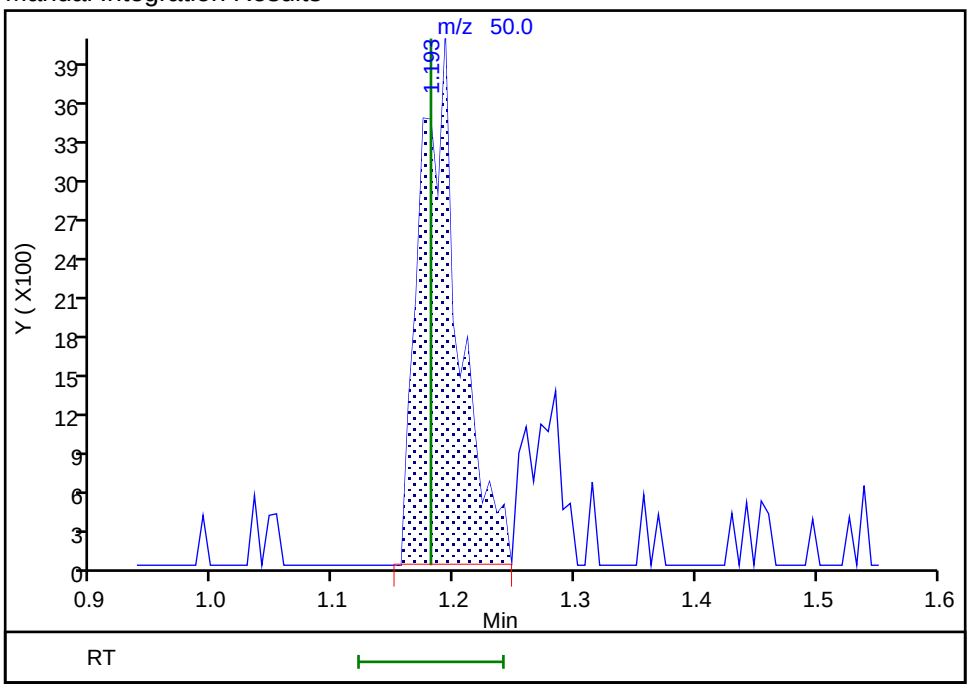
Processing Integration Results

RT: 1.19
Area: 11821
Amount: 0.647214
Amount Units: ug/L



Manual Integration Results

RT: 1.19
Area: 9214
Amount: 0.523146
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:31:15

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

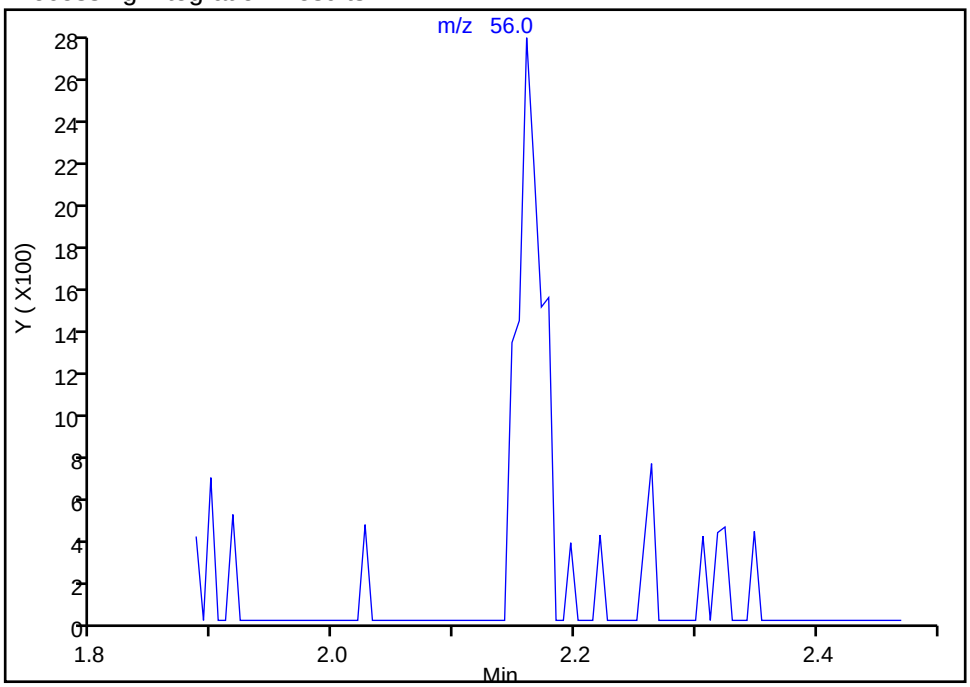
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

20 Acrolein, CAS: 107-02-8

Signal: 1

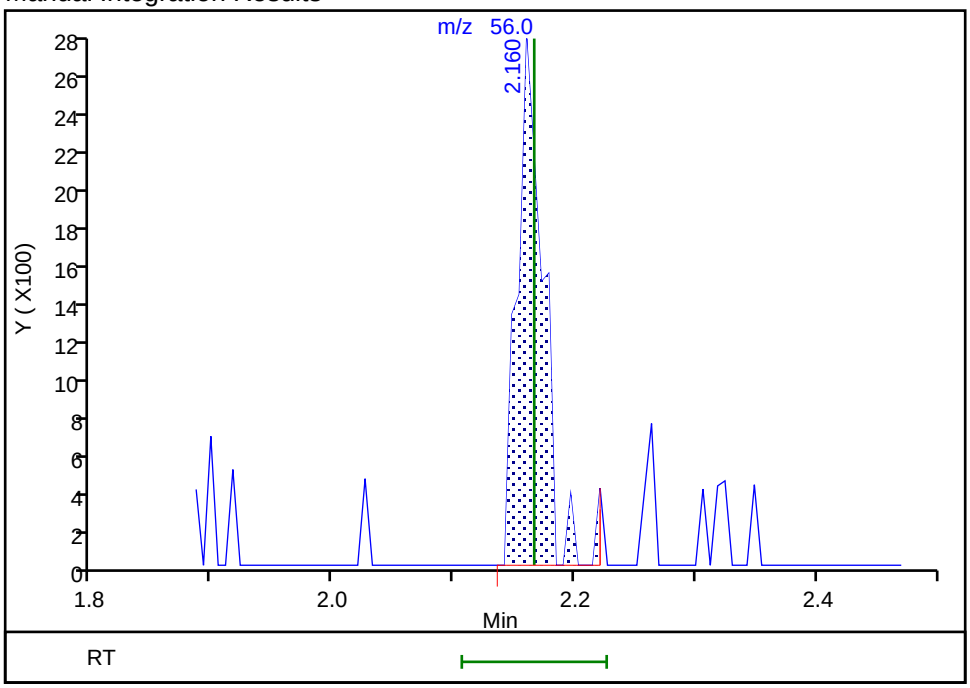
Processing Integration Results

Not Detected
Expected RT: 2.17



Manual Integration Results

RT: 2.16
Area: 4084
Amount: 2.341382
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:31:49
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

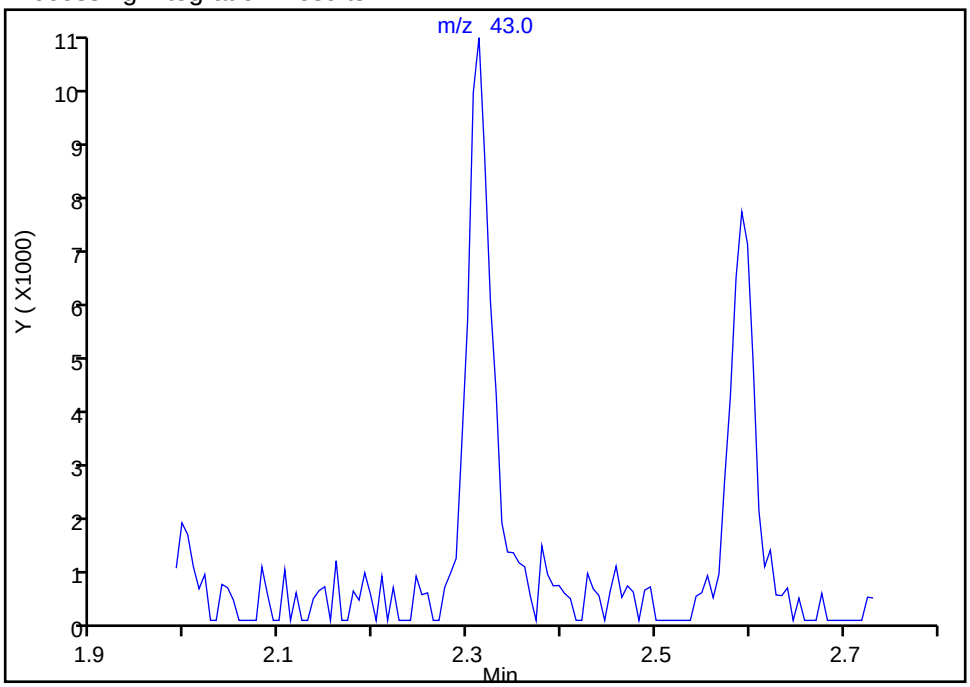
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

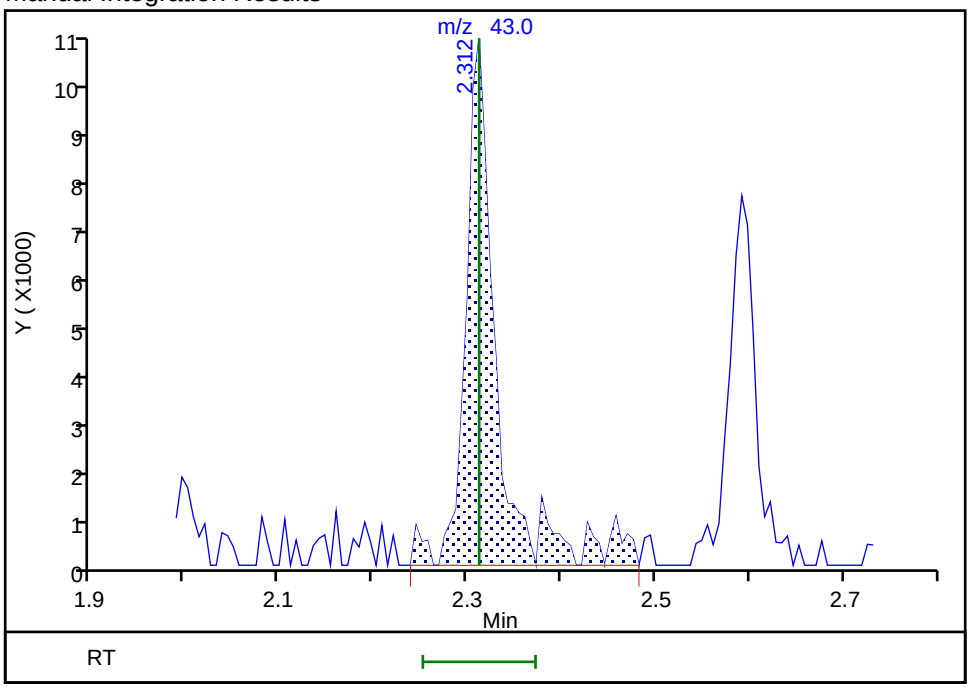
Not Detected
Expected RT: 2.31

Processing Integration Results



RT: 2.31
Area: 23624
Amount: 3.685941
Amount Units: ug/L

Manual Integration Results



Reviewer: gruninga, 25-Feb-2022 13:32:04
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

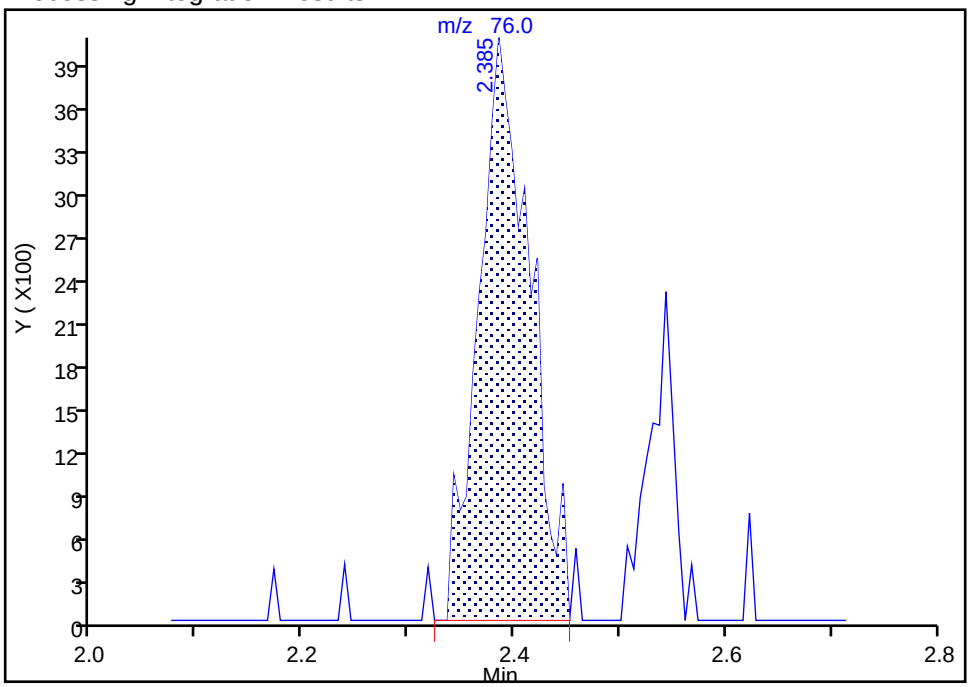
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

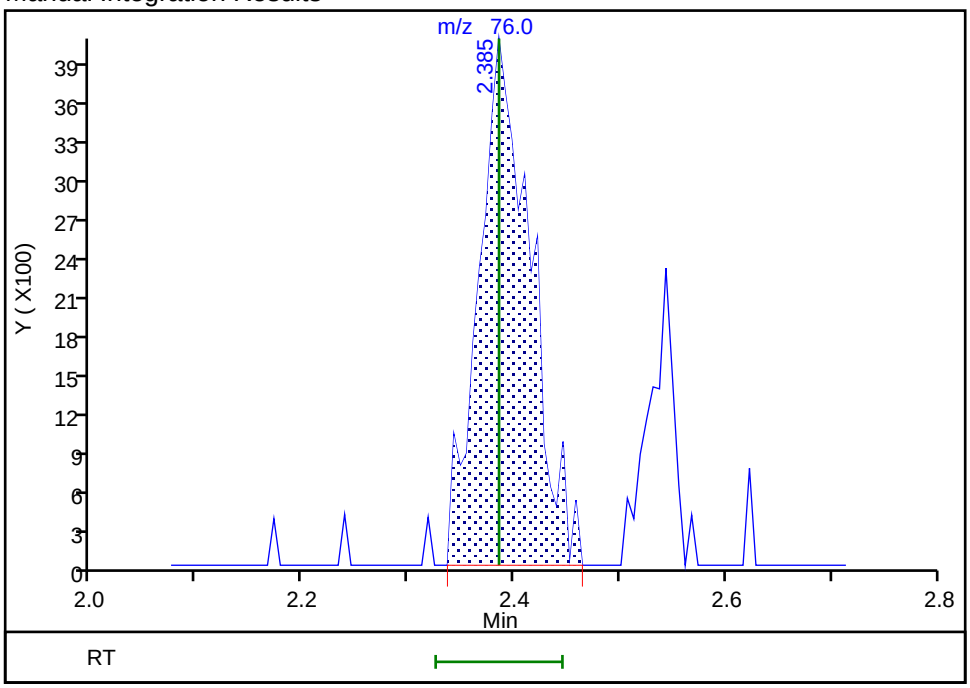
Processing Integration Results

RT: 2.39
Area: 13397
Amount: 0.411432
Amount Units: ug/L



Manual Integration Results

RT: 2.39
Area: 13578
Amount: 0.406699
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:32:15

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

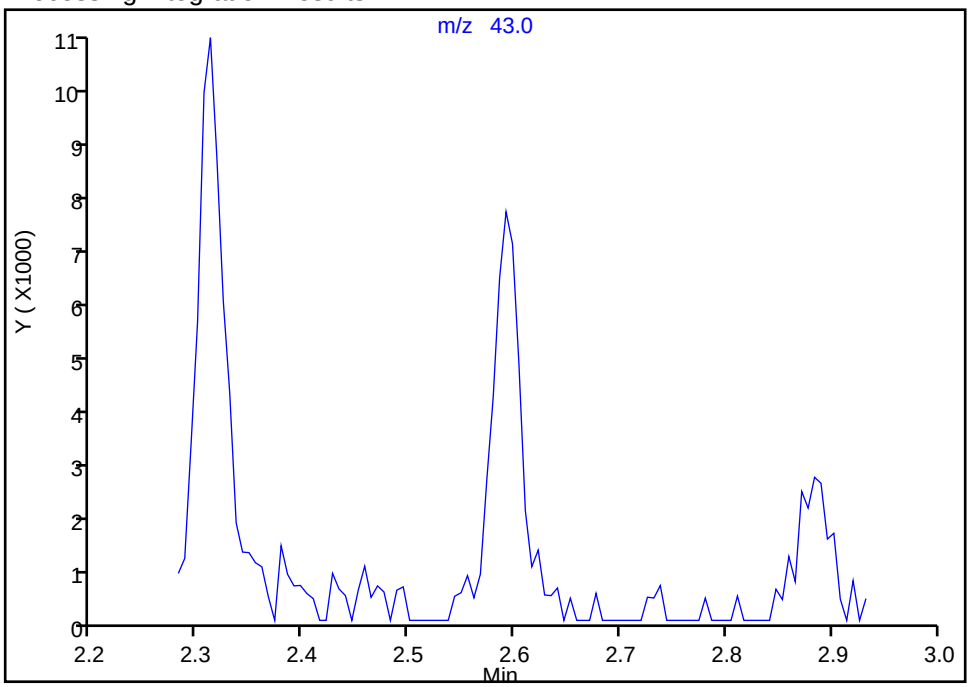
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

Signal: 1

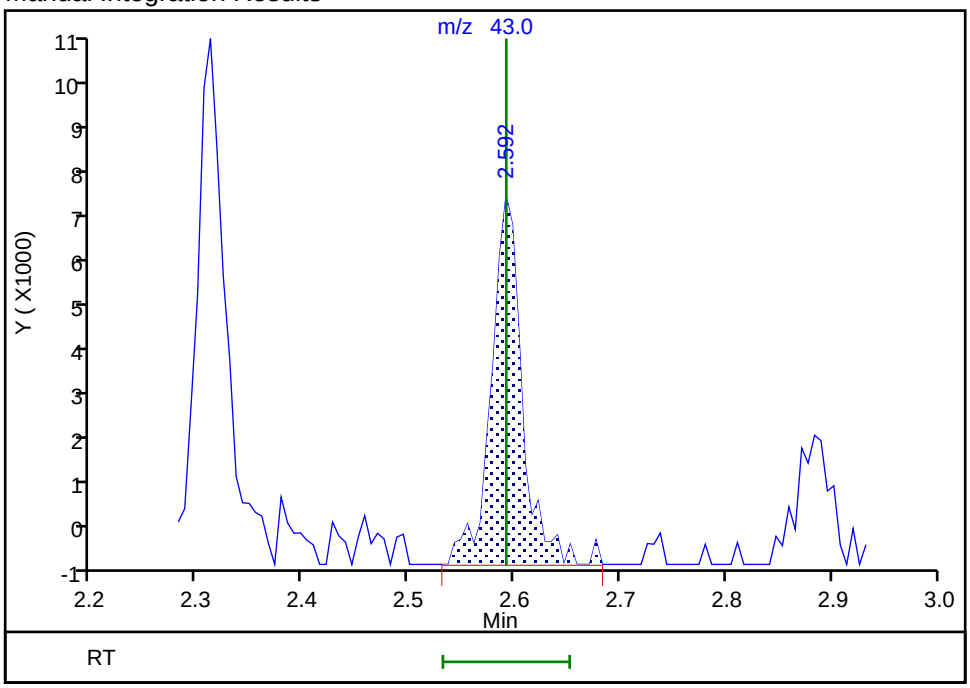
Not Detected
Expected RT: 2.59

Processing Integration Results



Manual Integration Results

RT: 2.59
Area: 14634
Amount: 1.115857
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:32:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

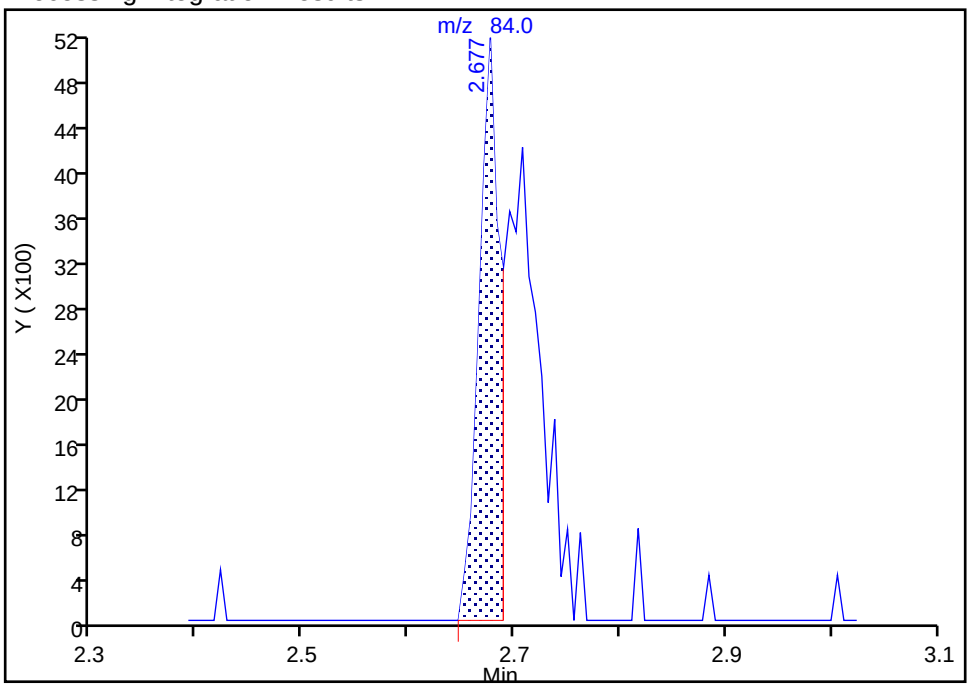
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

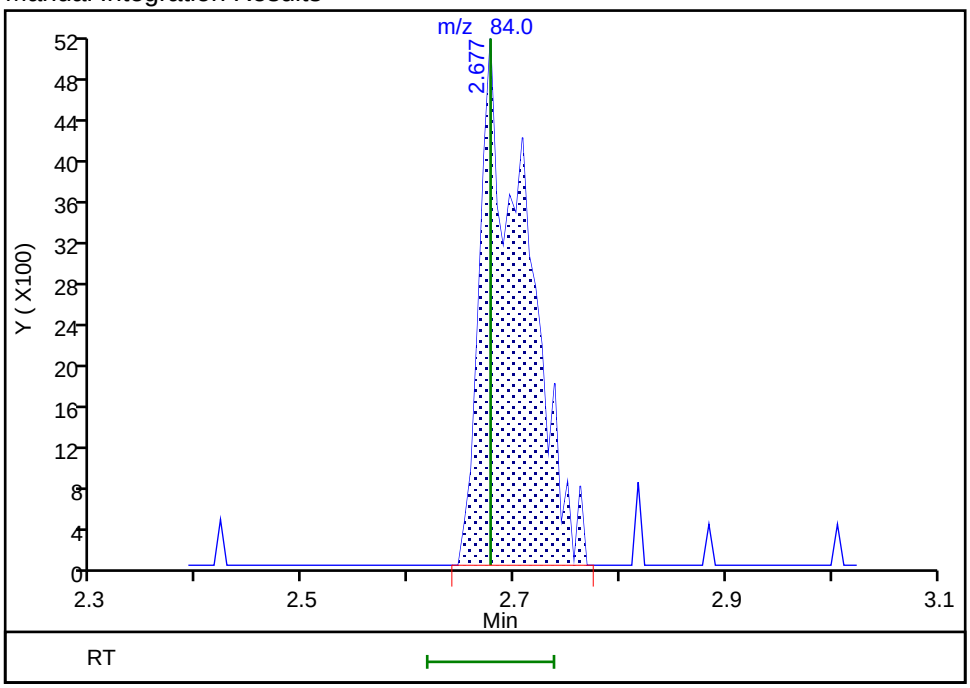
Processing Integration Results

RT: 2.68
Area: 7166
Amount: 0.188780
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 15958
Amount: 0.432278
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:32:37

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

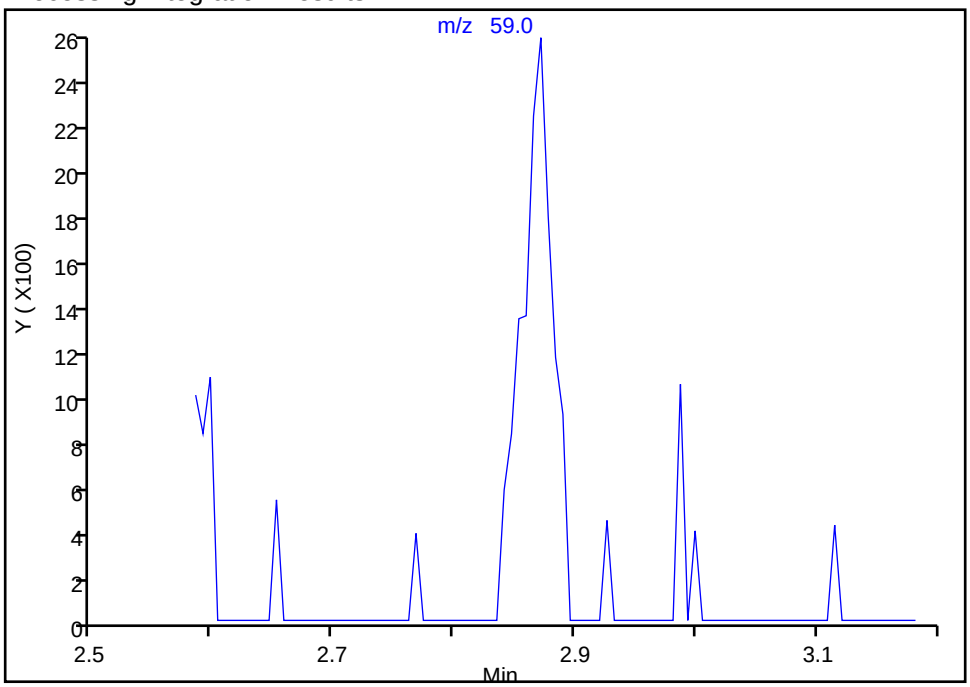
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

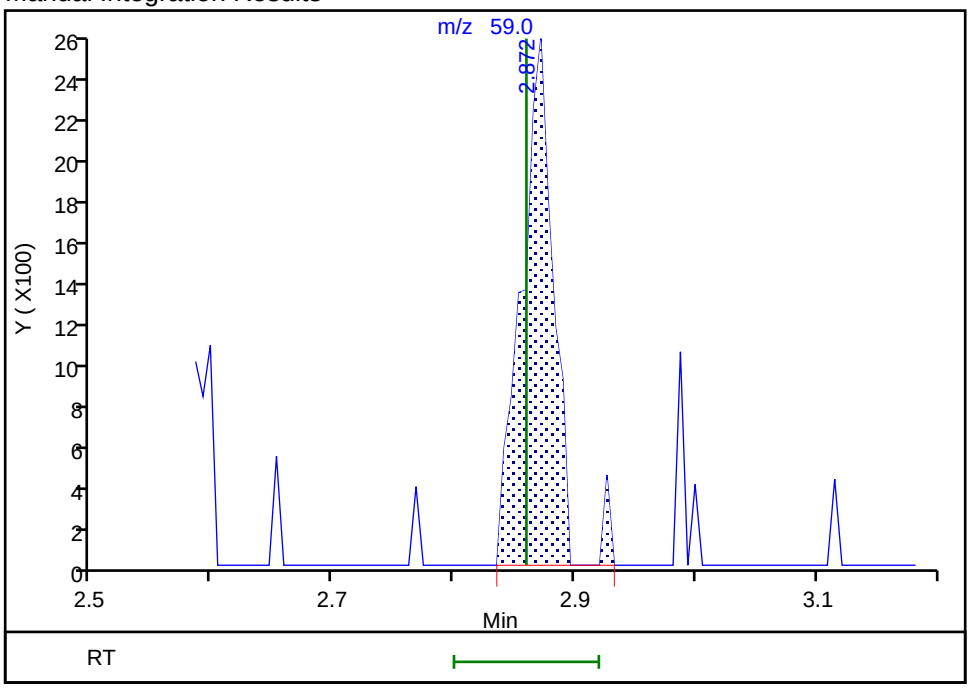
Processing Integration Results

Not Detected
Expected RT: 2.86



Manual Integration Results

RT: 2.87
Area: 4707
Amount: 4.189187
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:32:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

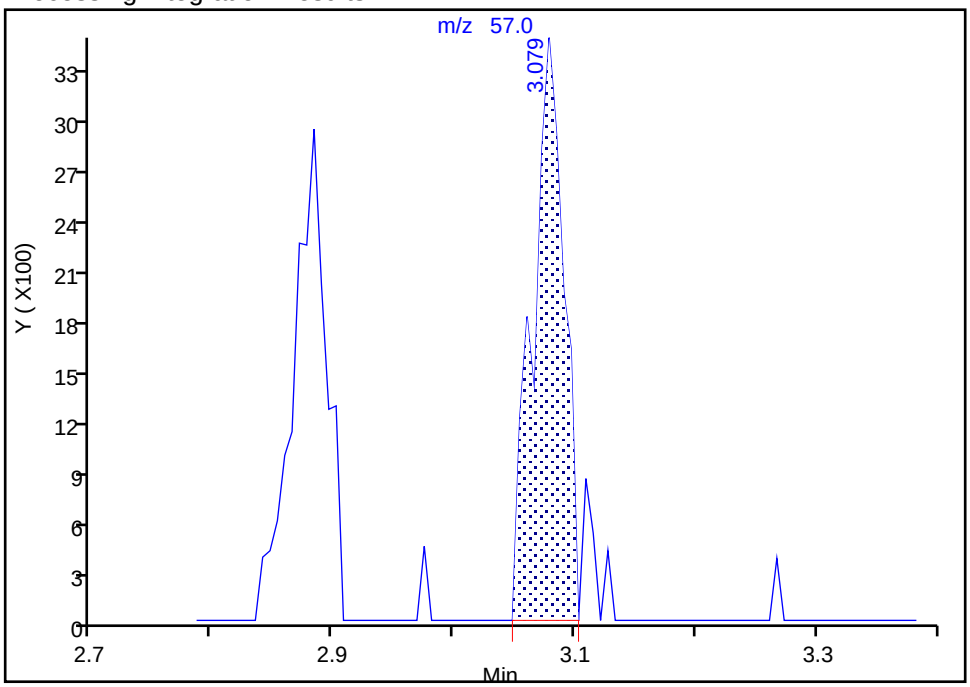
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

35 Hexane, CAS: 110-54-3

Signal: 1

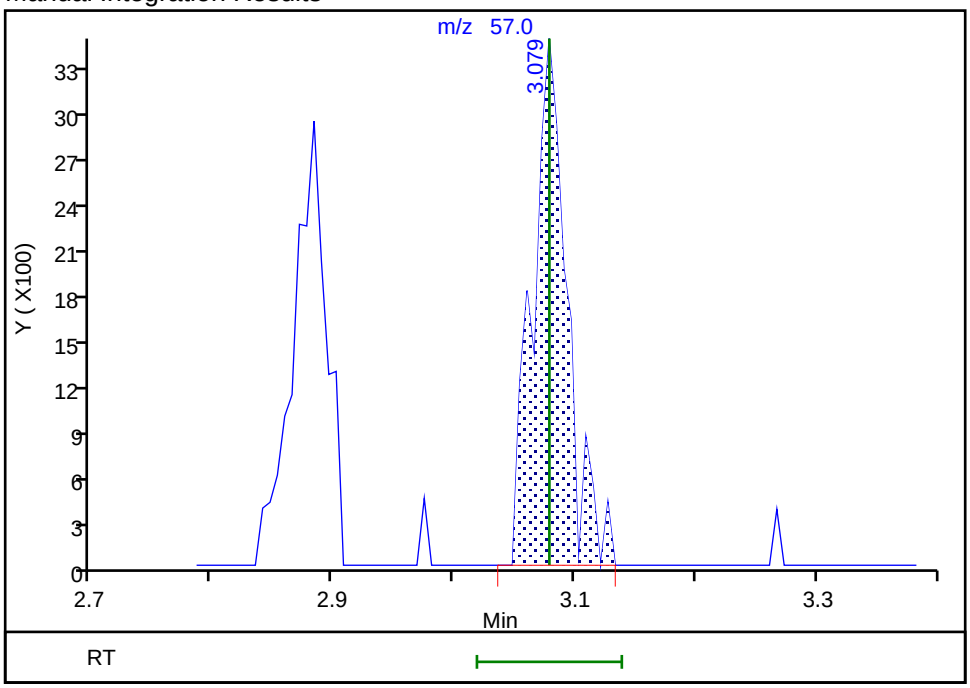
Processing Integration Results

RT: 3.08
Area: 6152
Amount: 0.583845
Amount Units: ug/L



Manual Integration Results

RT: 3.08
Area: 6791
Amount: 0.366918
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:32:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

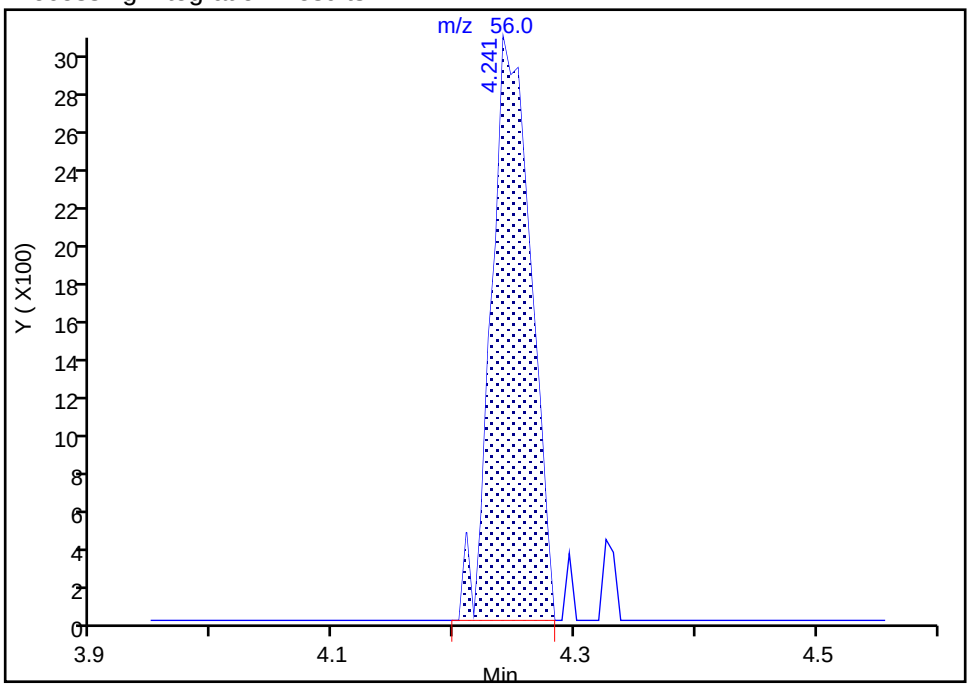
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

52 Cyclohexane, CAS: 110-82-7

Signal: 1

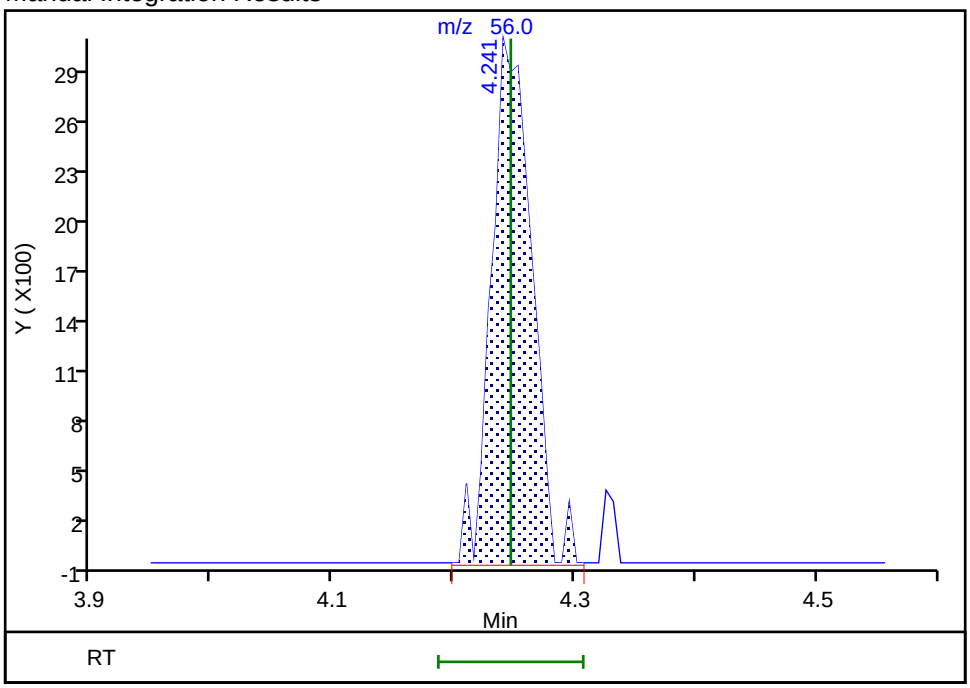
Processing Integration Results

RT: 4.24
Area: 6900
Amount: 0.590072
Amount Units: ug/L



Manual Integration Results

RT: 4.24
Area: 7124
Amount: 0.318690
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:33:45

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

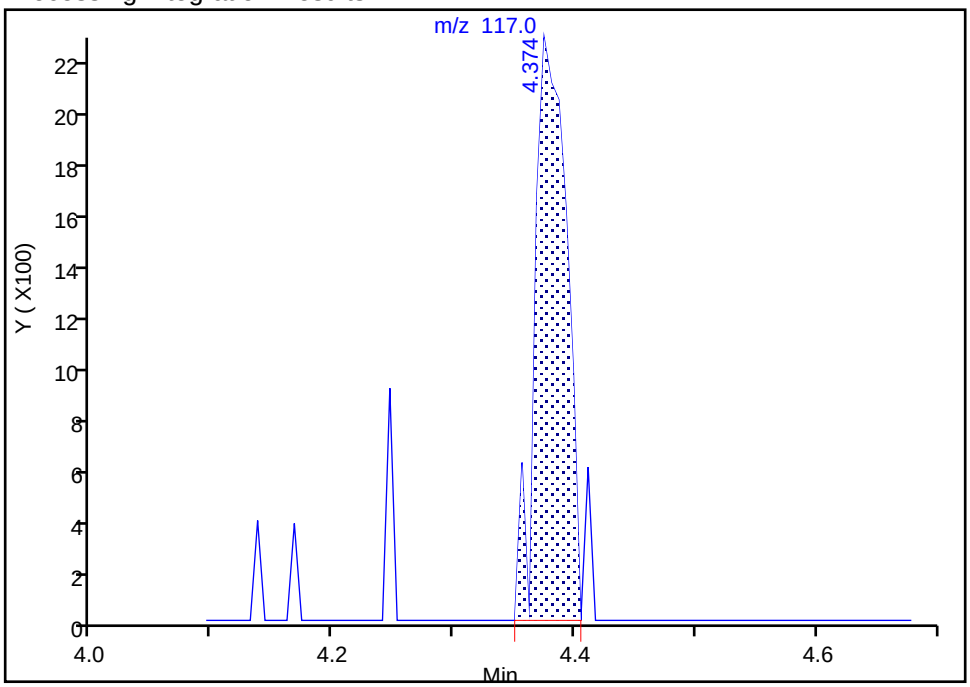
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

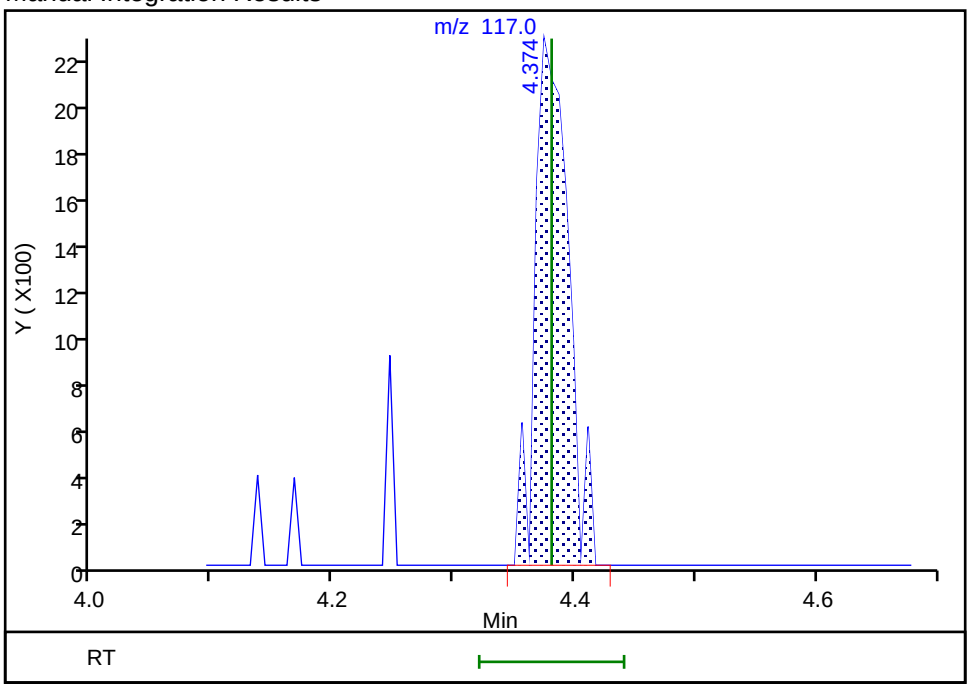
Processing Integration Results

RT: 4.37
Area: 4011
Amount: 0.362968
Amount Units: ug/L



Manual Integration Results

RT: 4.37
Area: 4224
Amount: 0.367841
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:33:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

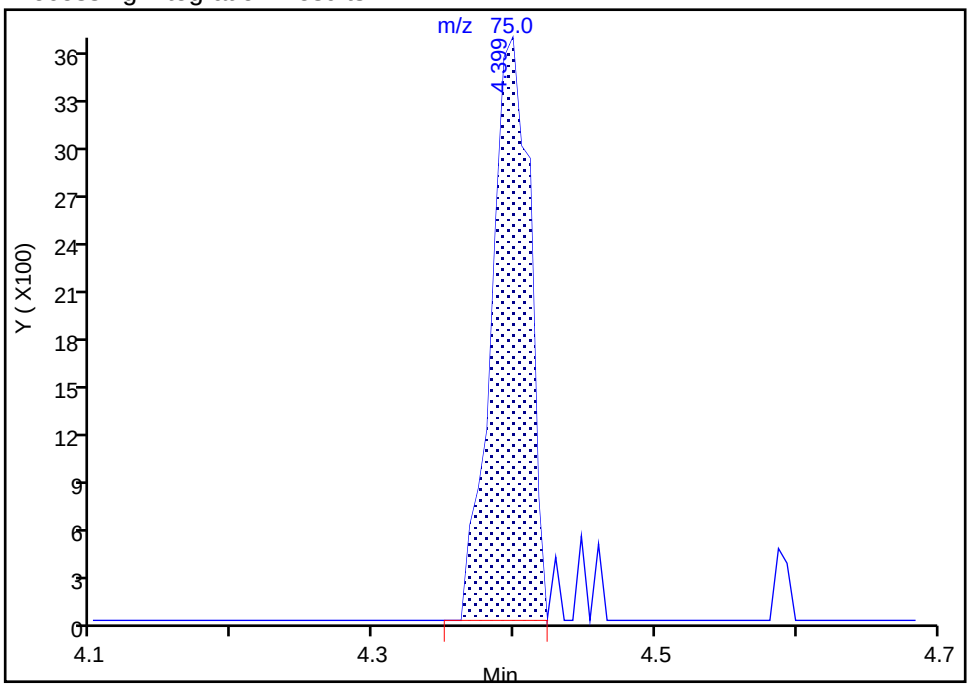
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

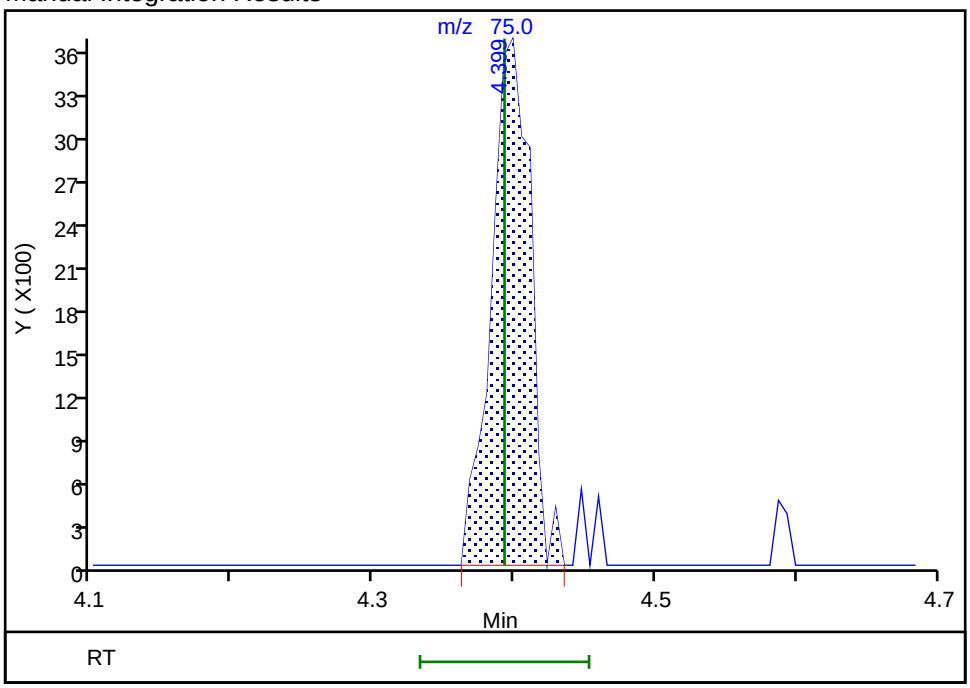
Processing Integration Results

RT: 4.40
Area: 6948
Amount: 0.439386
Amount Units: ug/L



Manual Integration Results

RT: 4.40
Area: 7092
Amount: 0.447474
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:34:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

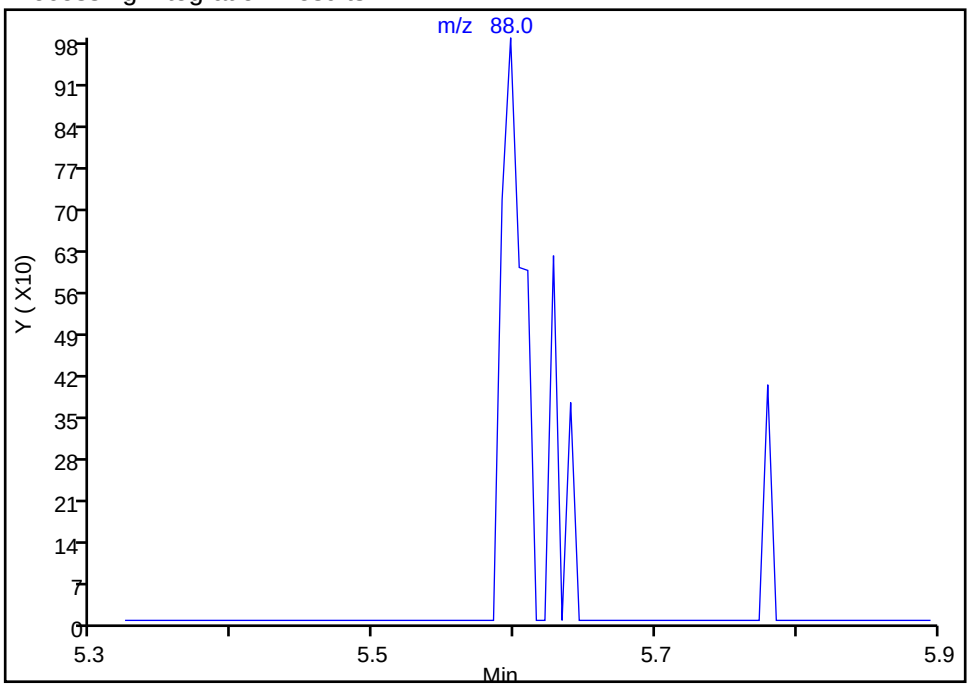
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

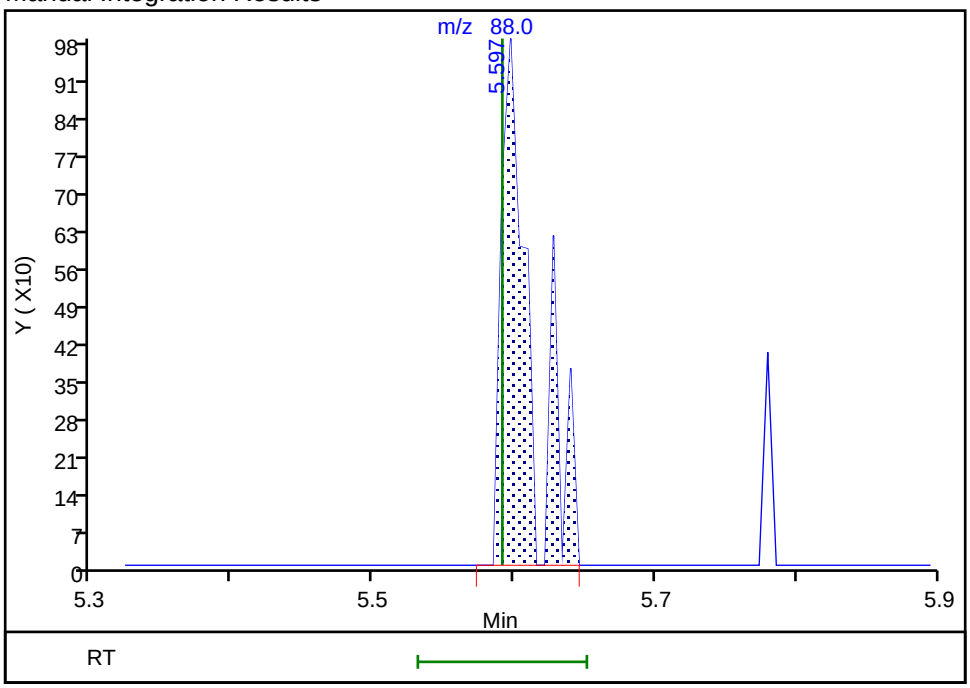
Processing Integration Results

Not Detected
Expected RT: 5.59



Manual Integration Results

RT: 5.60
Area: 1411
Amount: 8.600775
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:34:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

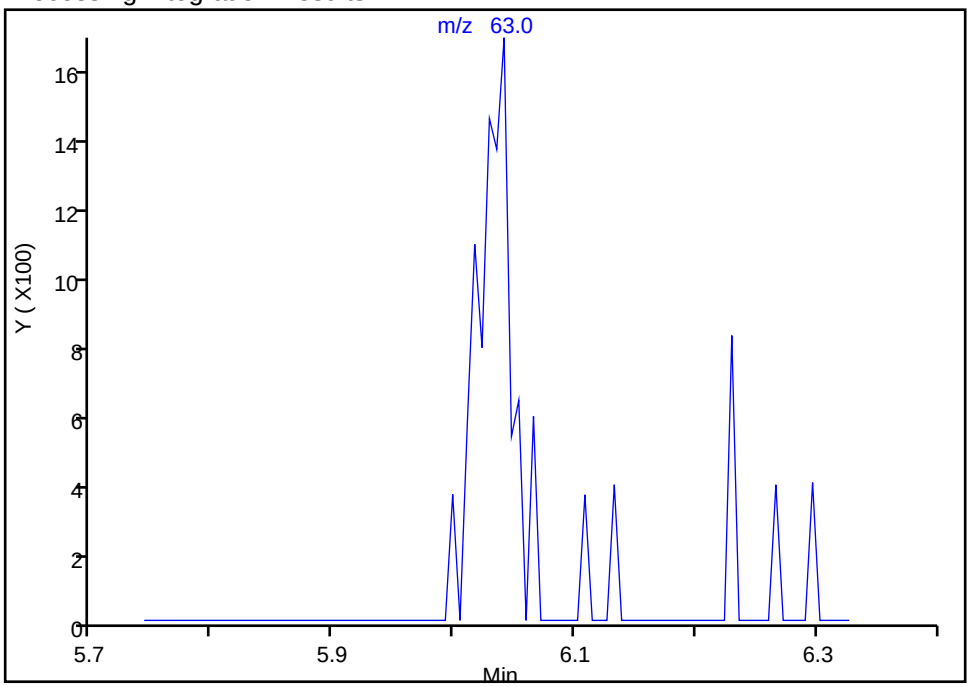
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

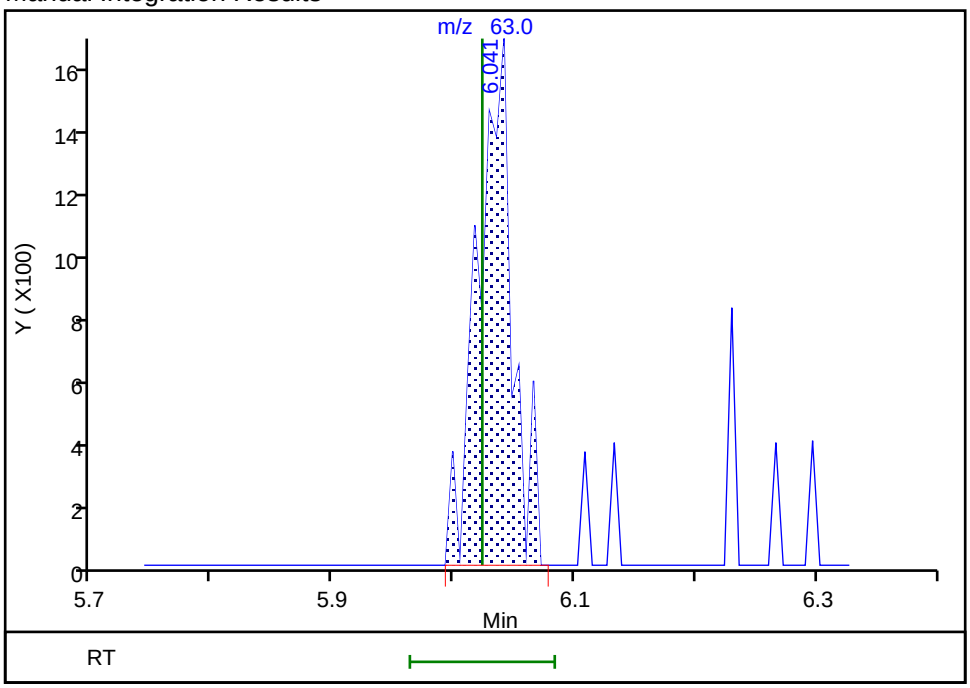
Processing Integration Results

Not Detected
Expected RT: 6.02



Manual Integration Results

RT: 6.04
Area: 3200
Amount: 0.480123
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:34:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

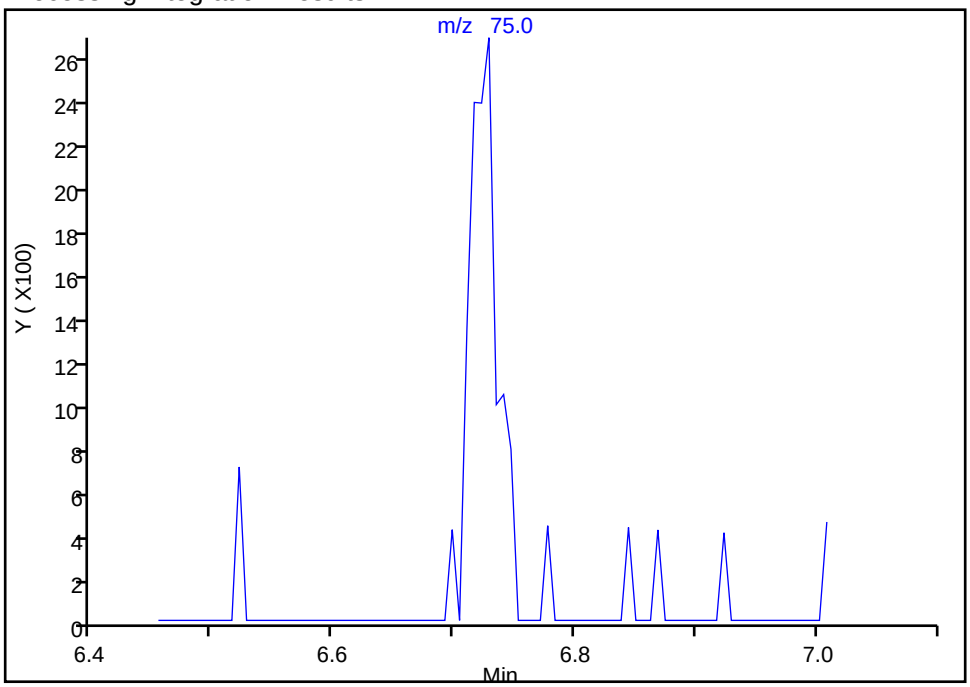
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

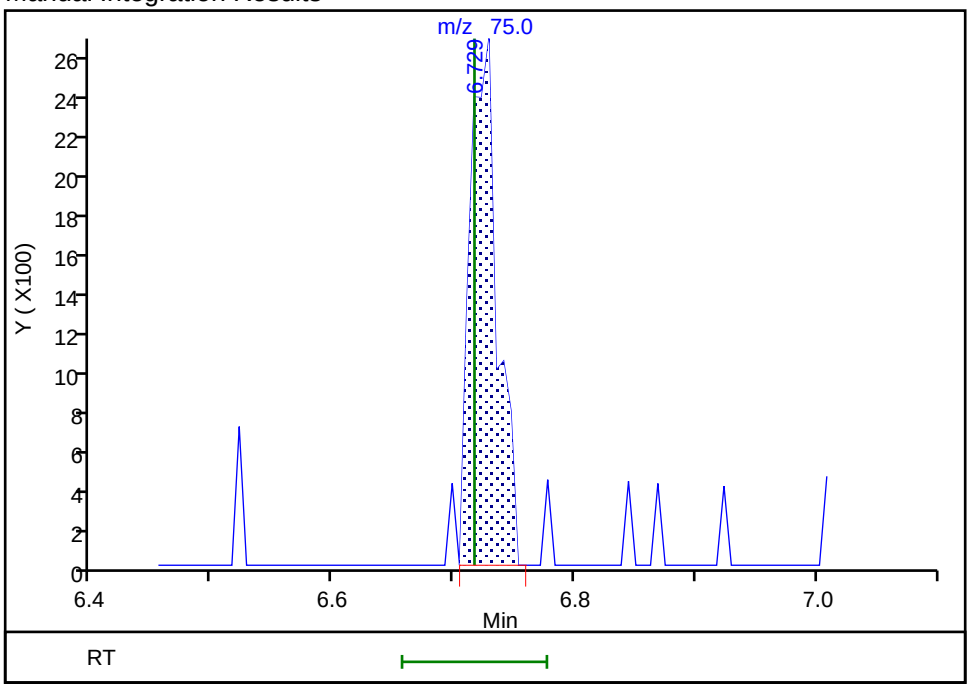
Processing Integration Results

Not Detected
Expected RT: 6.72



Manual Integration Results

RT: 6.73
Area: 4181
Amount: 0.405526
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:34:51
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

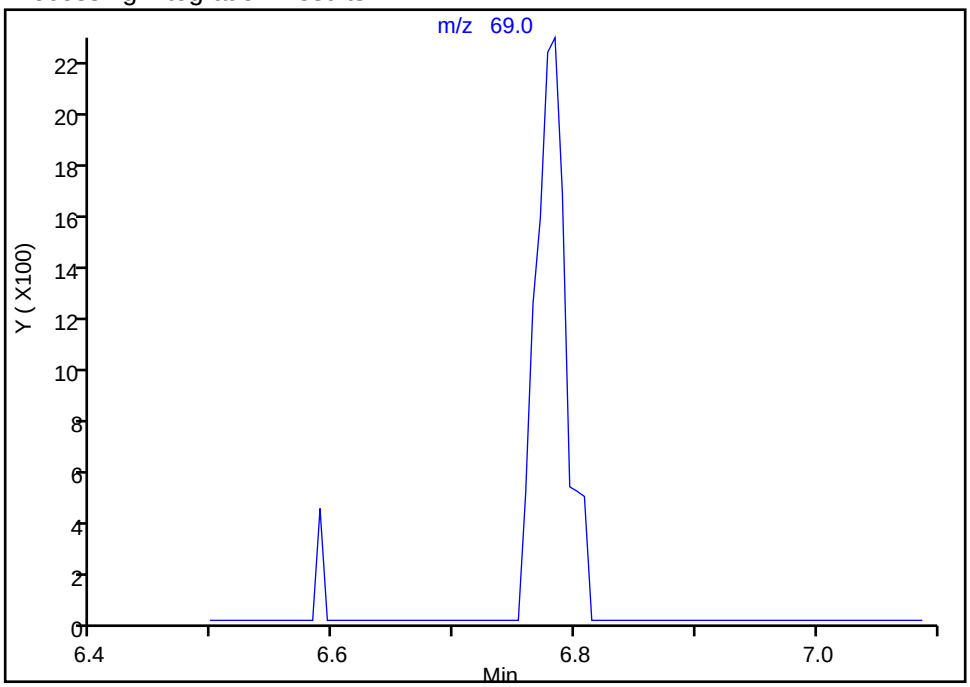
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

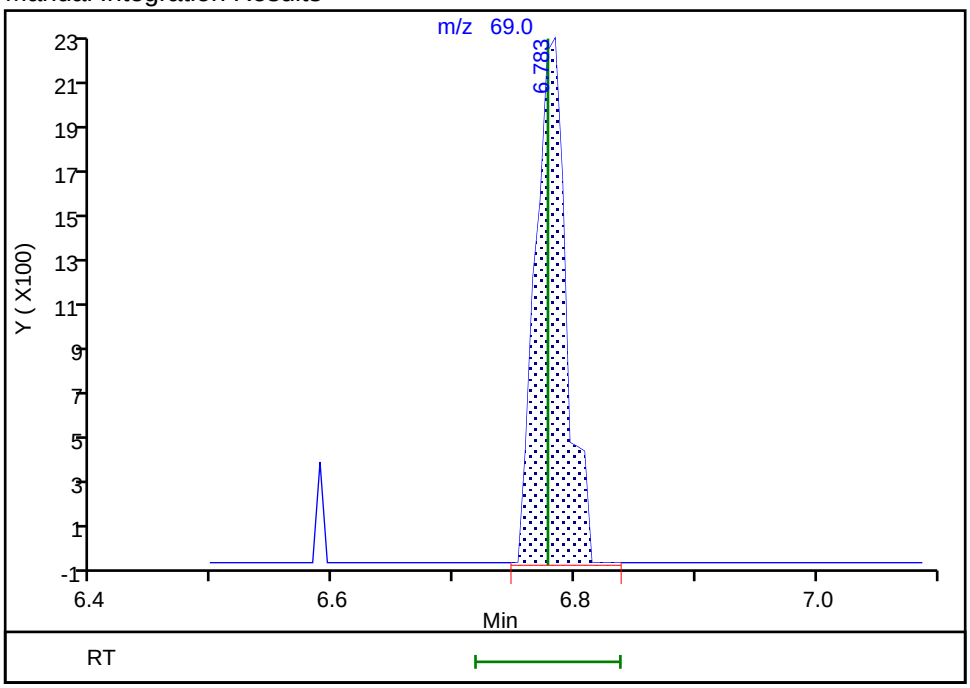
Processing Integration Results

Not Detected
Expected RT: 6.78



Manual Integration Results

RT: 6.78
Area: 4014
Amount: 1.002700
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:35:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

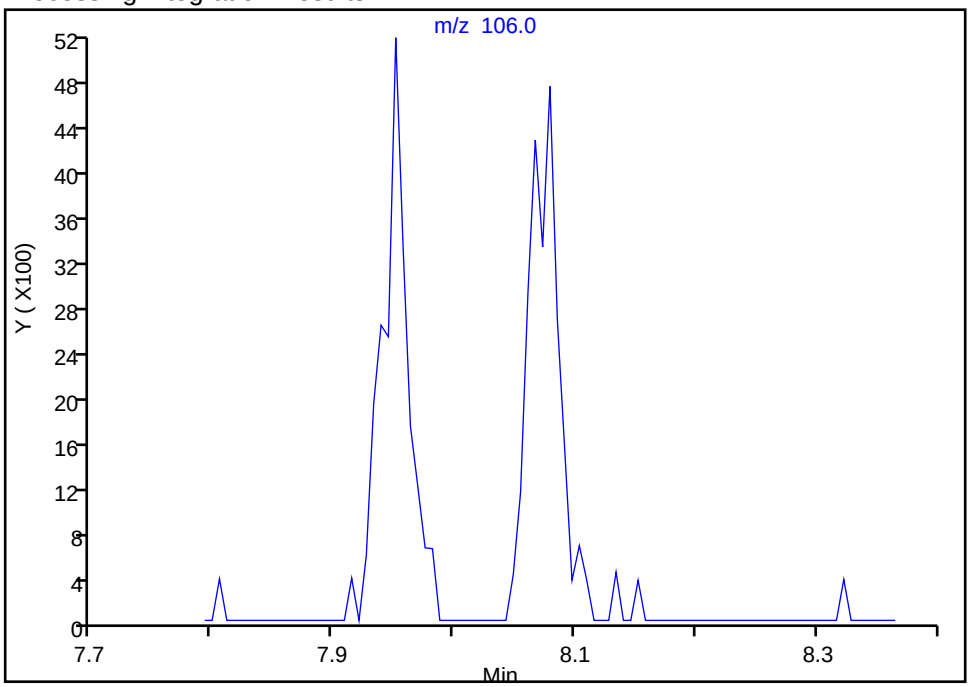
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

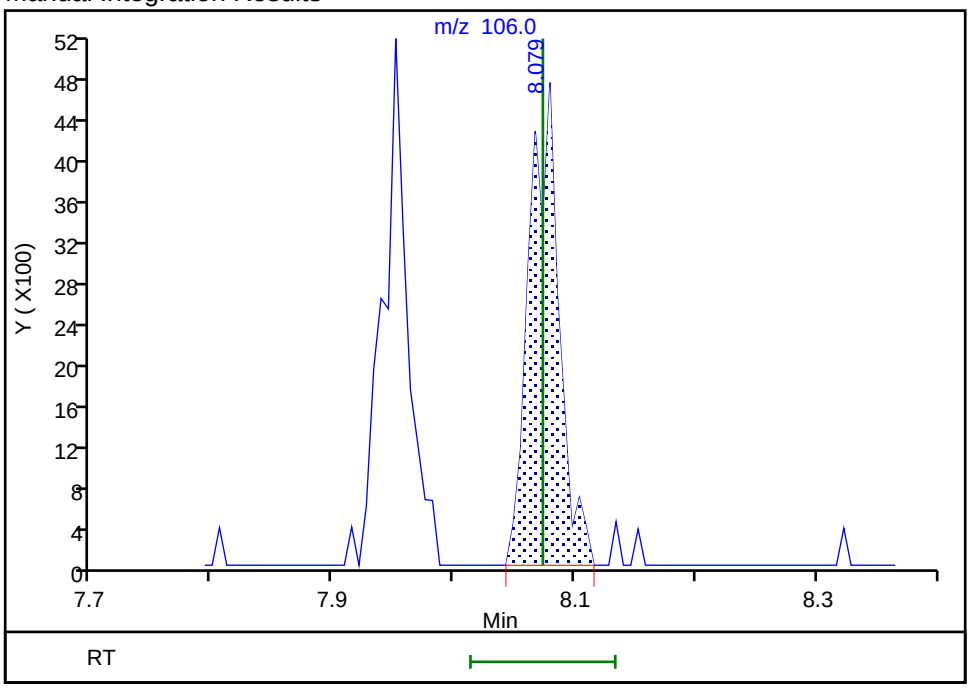
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.08
Area: 8075
Amount: 0.395210
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:35:12
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

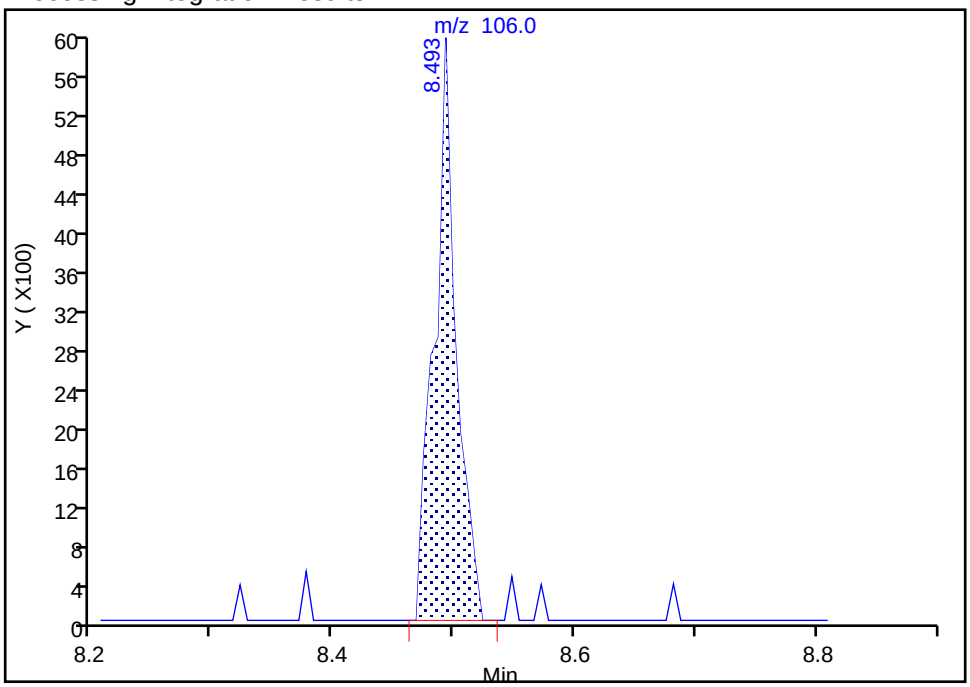
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6

Signal: 1

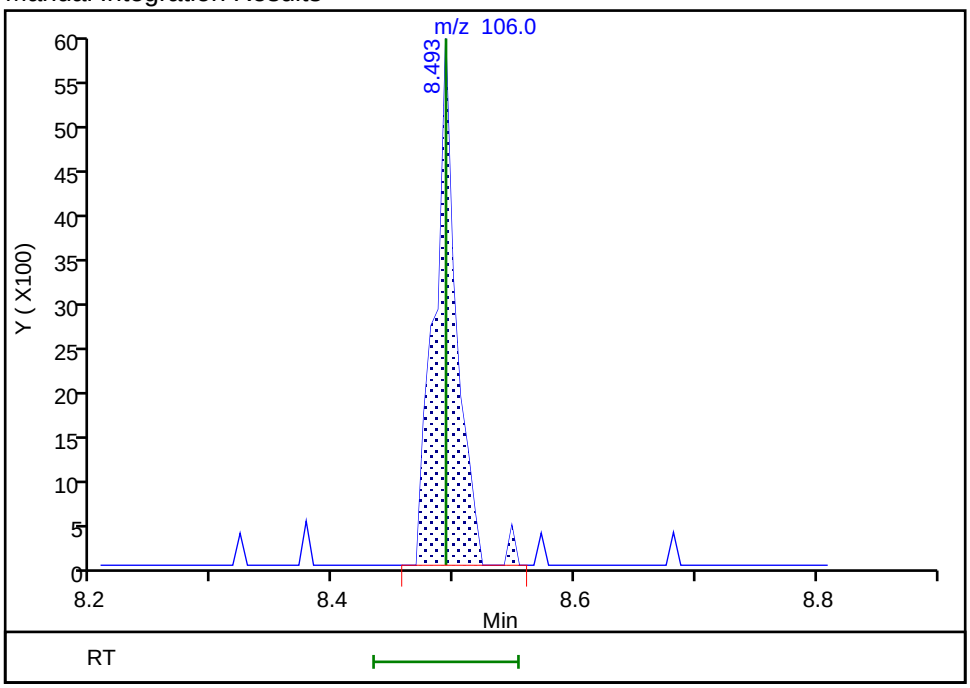
Processing Integration Results

RT: 8.49
Area: 7389
Amount: 0.372988
Amount Units: ug/L



Manual Integration Results

RT: 8.49
Area: 7551
Amount: 0.367818
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:35:33

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

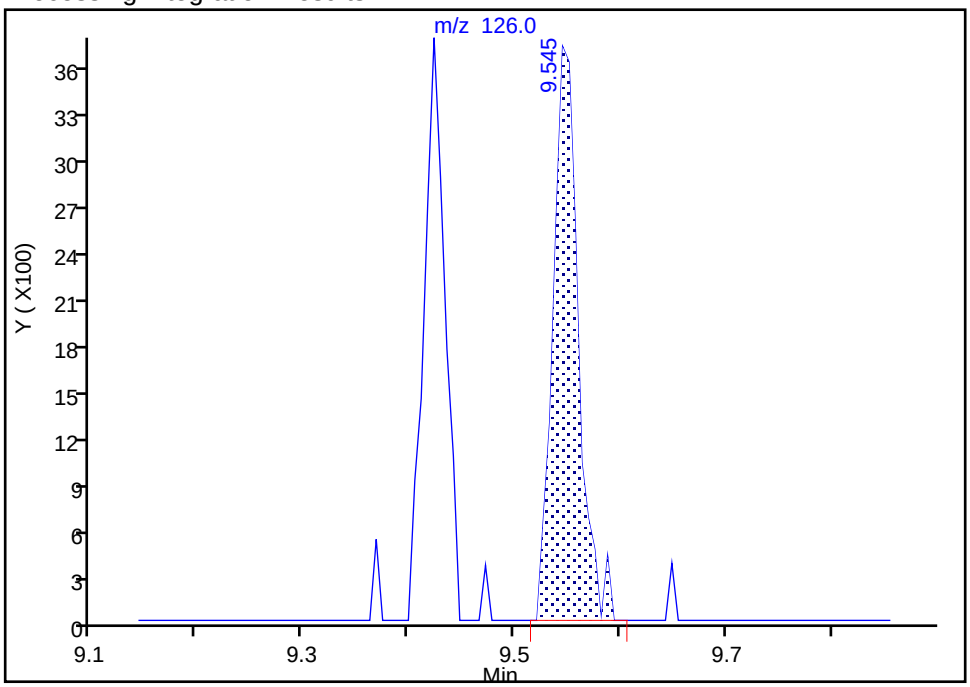
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

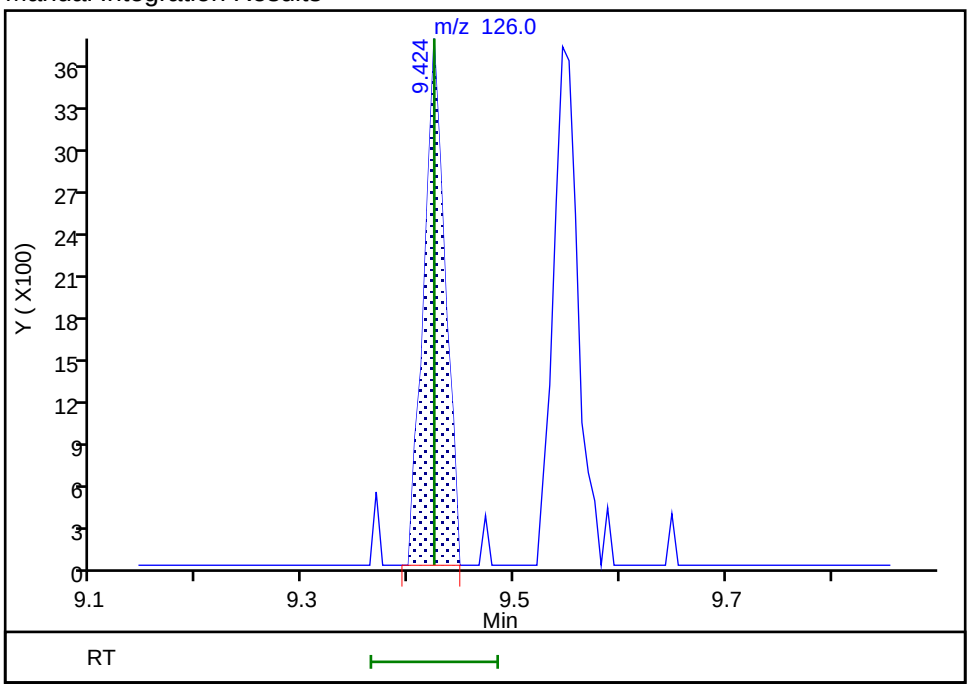
Processing Integration Results

RT: 9.55
Area: 6169
Amount: 0.480763
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 5278
Amount: 0.420908
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

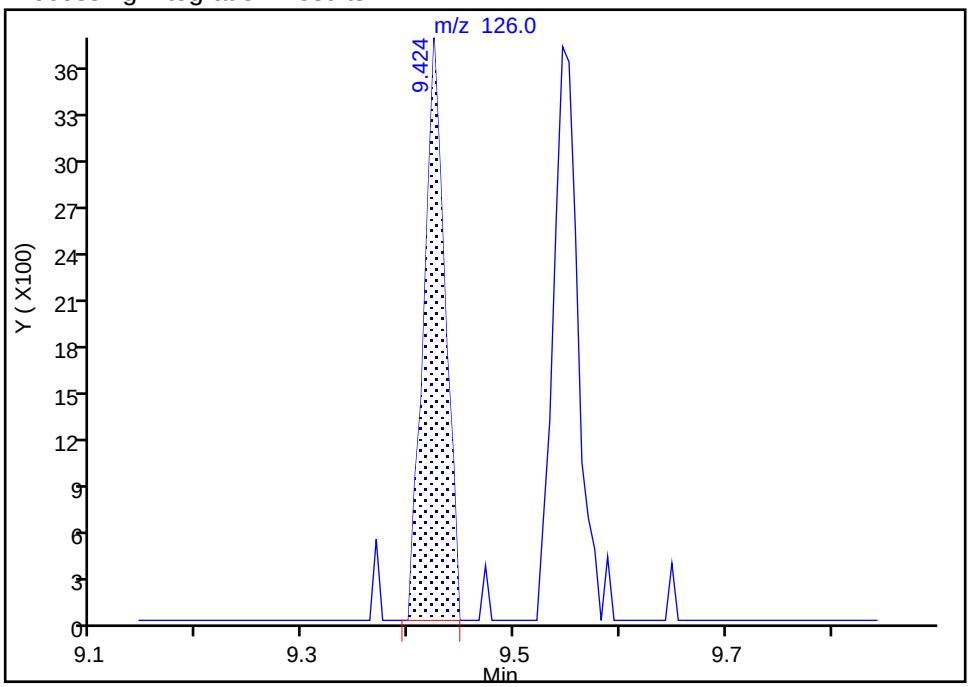
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

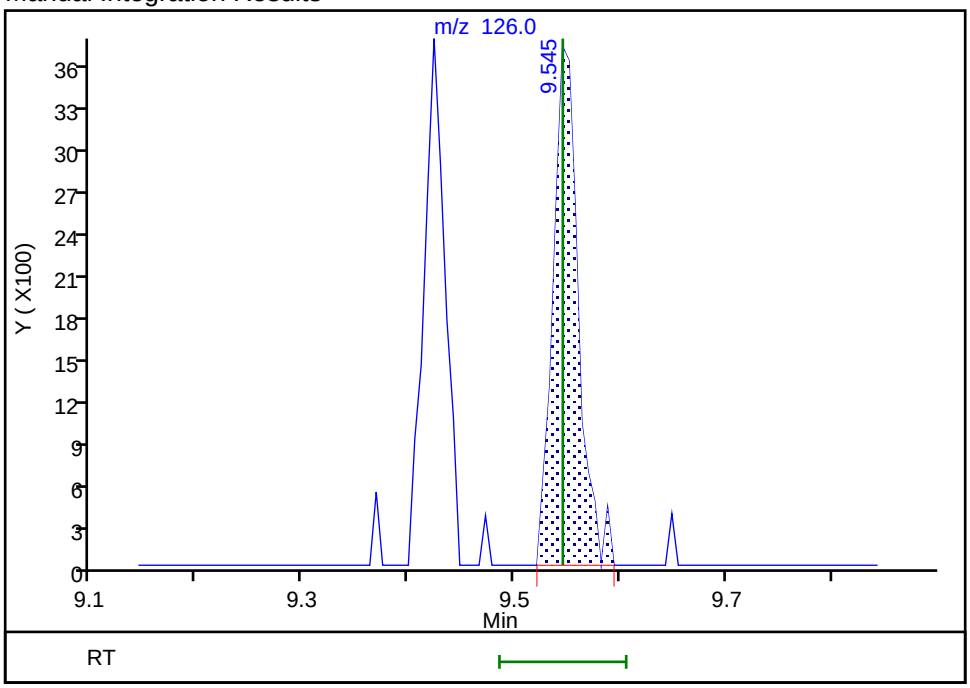
Processing Integration Results

RT: 9.42
Area: 5278
Amount: 0.410363
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 6169
Amount: 0.477375
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

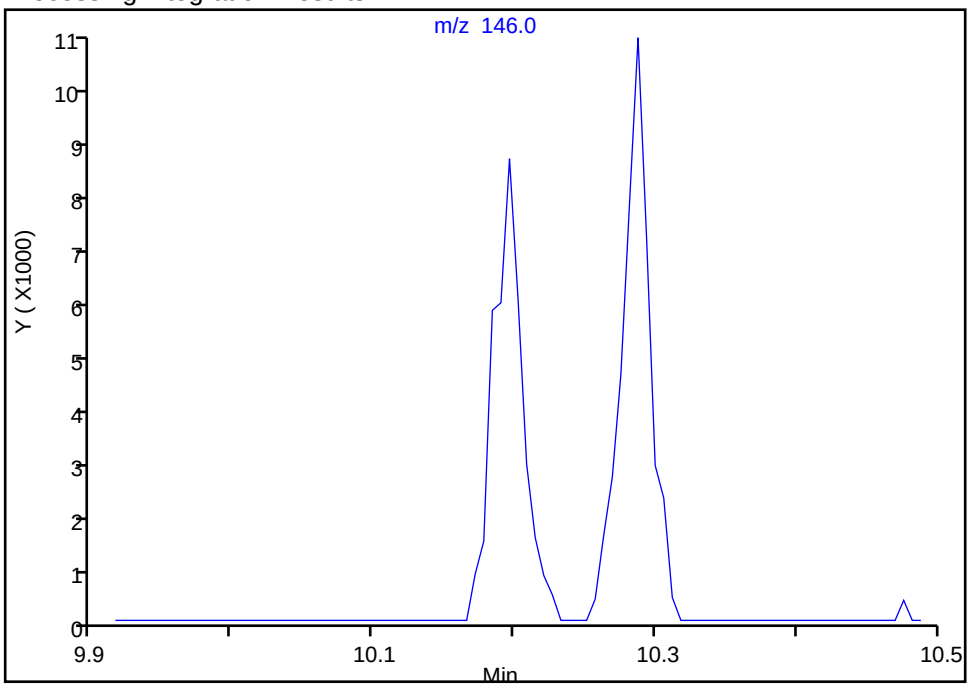
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

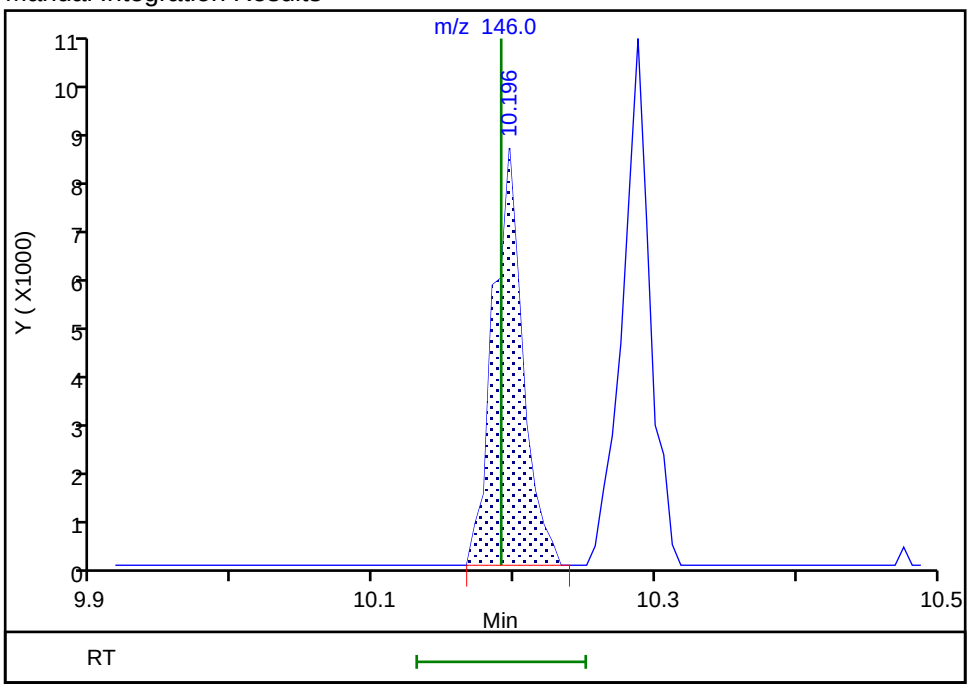
Not Detected
Expected RT: 10.19

Processing Integration Results



Manual Integration Results

RT: 10.20
Area: 12615
Amount: 0.465844
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

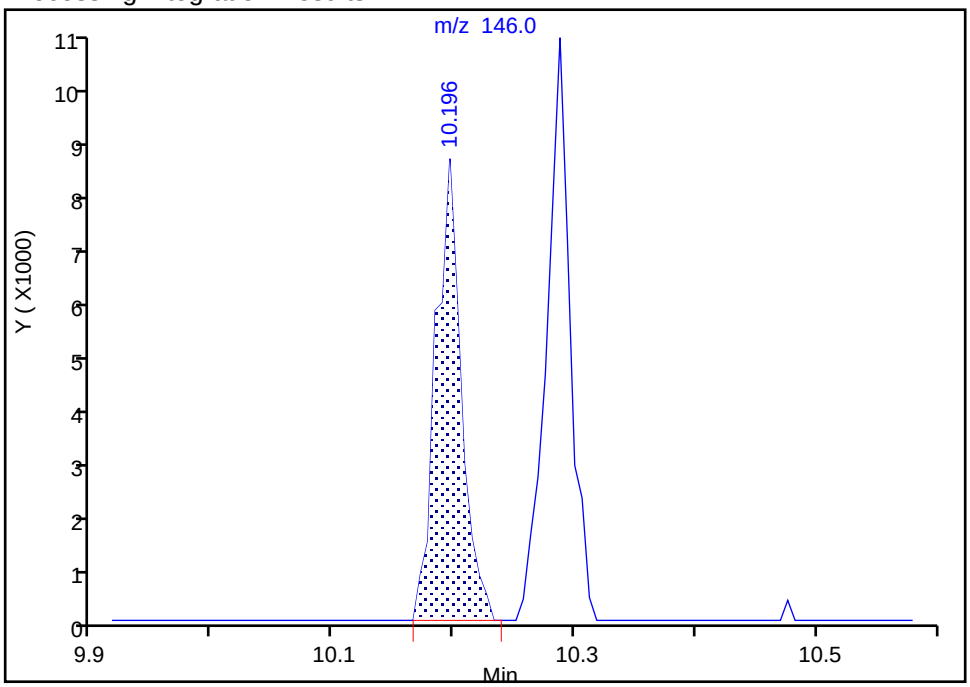
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

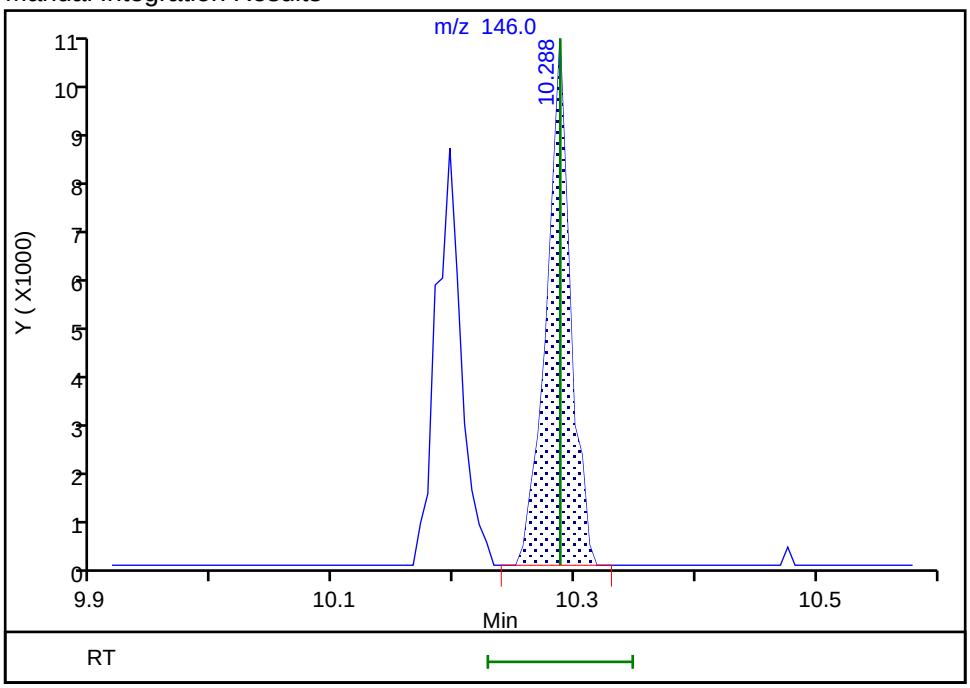
Processing Integration Results

RT: 10.20
Area: 12615
Amount: 0.469126
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 14884
Amount: 0.524756
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

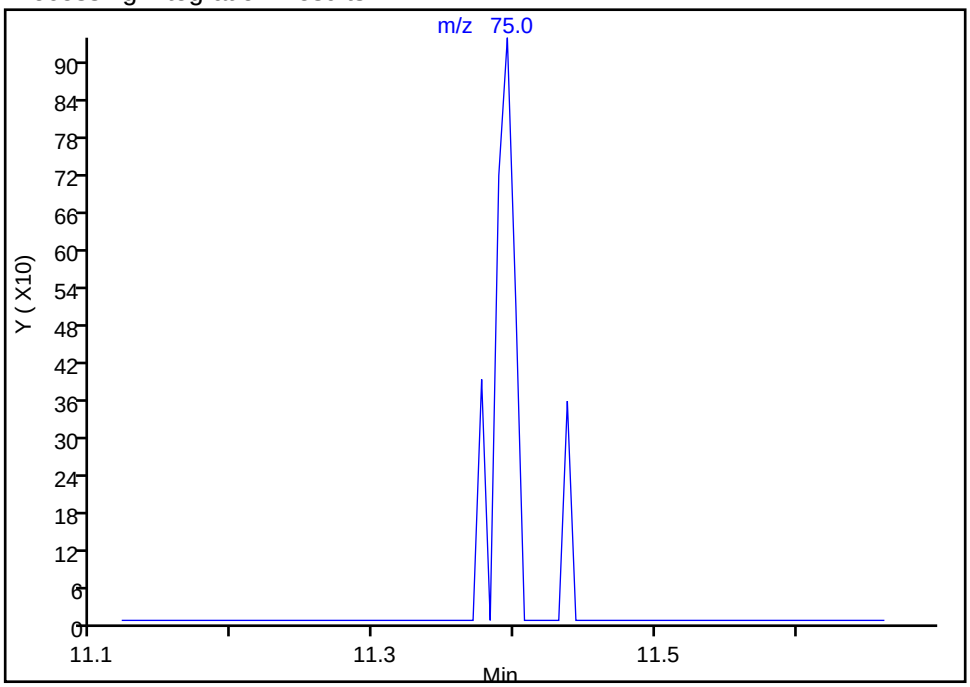
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8646.D				
Injection Date:	24-Feb-2022 19:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

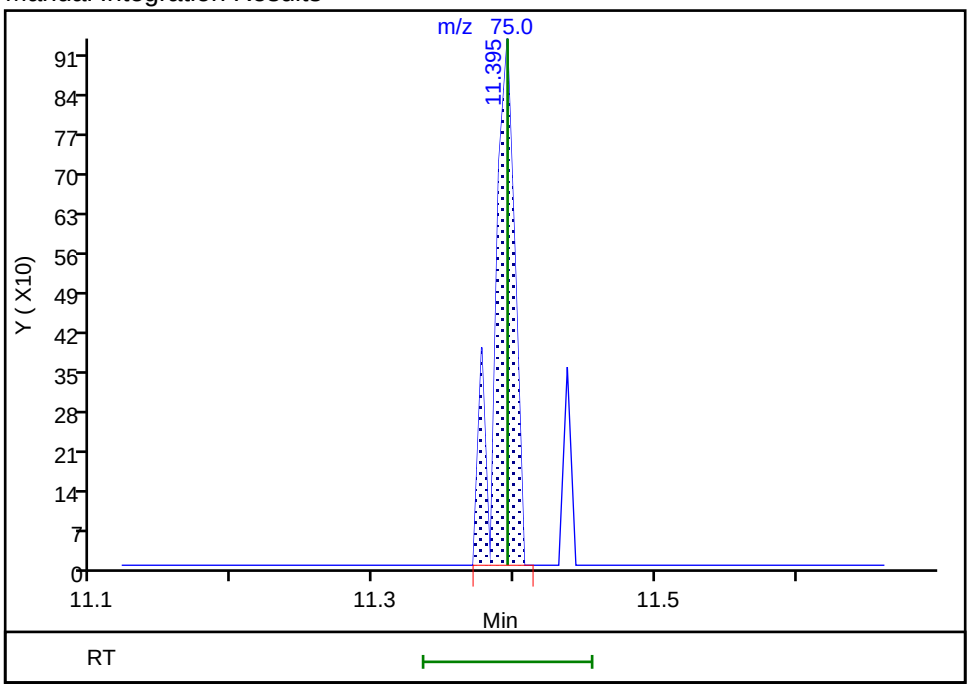
Not Detected
Expected RT: 11.40

Processing Integration Results



Manual Integration Results

RT: 11.39
Area: 929
Amount: 0.504523
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:36:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Feb-2022 19:38:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0104096-014
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:34:47 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:39:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	187648	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	355491	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	94	373056	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	57	250329	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	93	167297	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	92	935679	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	299215	25.0	25.0	
10 Dichlorodifluoromethane	85	1.028	1.035	-0.007	88	12956	1.00	0.8497	M
12 Chloromethane	50	1.187	1.181	0.006	86	16933	1.00	0.8779	
13 Vinyl chloride	62	1.247	1.254	-0.007	56	16493	1.00	0.9401	
151 Butadiene	54	1.272	1.272	0.000	90	13366	1.00	0.7961	M
14 Bromomethane	94	1.521	1.515	0.006	64	13765	1.00	1.12	M
15 Chloroethane	64	1.576	1.576	0.000	82	10782	1.00	0.9132	
17 Trichlorofluoromethane	101	1.765	1.759	0.006	51	19148	1.00	0.8622	
16 Dichlorofluoromethane	67	1.771	1.771	0.000	71	24225	1.00	0.9548	
18 Ethyl ether	59	1.996	1.996	0.000	88	14395	1.00	0.9764	
20 Acrolein	56	2.160	2.166	-0.006	61	10140	5.00	5.31	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.203	2.197	0.006	59	10786	1.00	0.9100	
22 1,1-Dichloroethene	96	2.203	2.209	-0.006	76	12595	1.00	1.09	
23 Acetone	43	2.306	2.312	-0.006	90	40846	5.00	5.82	
25 Iodomethane	142	2.367	2.361	0.006	91	21899	1.00	1.00	
26 Carbon disulfide	76	2.385	2.385	0.000	87	33780	1.00	0.9239	
28 3-Chloro-1-propene	41	2.531	2.537	-0.006	79	21134	1.00	0.9618	
27 Methyl acetate	43	2.586	2.592	-0.006	95	29886	2.00	2.08	a
30 Methylene Chloride	84	2.708	2.677	0.031	78	23719	1.00	0.8954	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	67	11950	10.0	9.71	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	83	34597	1.00	0.8934	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	86	12439	1.00	0.9478	
33 Acrylonitrile	53	2.957	2.957	0.000	99	71313	10.0	9.47	
35 Hexane	57	3.079	3.079	0.000	77	19817	1.00	0.9777	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	71	23753	1.00	0.9275	
37 Vinyl acetate	43	3.365	3.359	0.006	94	45924	2.00	1.77	
44 2,2-Dichloropropane	77	3.803	3.797	0.006	41	6524	1.00	0.8781	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	55	12680	1.00	0.8961	
43 2-Butanone (MEK)	43	3.888	3.882	0.006	90	43049	5.00	4.84	
48 Chlorobromomethane	128	4.070	4.064	0.006	83	8037	1.00	1.01	
49 Tetrahydrofuran	42	4.095	4.083	0.012	80	11774	2.00	1.94	
50 Chloroform	83	4.149	4.149	0.000	72	26064	1.00	1.07	
52 Cyclohexane	56	4.247	4.247	0.000	88	22764	1.00	0.9299	
51 1,1,1-Trichloroethane	97	4.241	4.247	-0.006	62	14207	1.00	0.8749	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	83	12195	1.00	0.9698	
54 1,1-Dichloropropene	75	4.399	4.393	0.006	75	16557	1.00	0.9540	
57 Benzene	78	4.593	4.594	-0.001	48	50162	1.00	0.9460	
53 Isobutyl alcohol	43	4.654	4.661	-0.007	34	11456	25.0	22.5	
58 1,2-Dichloroethane	62	4.666	4.667	-0.001	71	23948	1.00	1.05	
59 n-Heptane	43	4.782	4.782	0.000	89	21535	1.00	1.00	
62 Trichloroethene	95	5.196	5.202	-0.006	76	12413	1.00	0.9401	
64 Methylcyclohexane	83	5.311	5.305	0.006	83	17806	1.00	0.8276	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	81	13789	1.00	1.03	M
67 Dibromomethane	93	5.573	5.573	0.000	70	8463	1.00	0.9543	
66 1,4-Dioxane	88	5.597	5.591	0.006	0	2254	20.0	12.8	M
68 Dichlorobromomethane	83	5.731	5.731	0.000	76	14647	1.00	0.9733	
69 2-Chloroethyl vinyl ether	63	6.029	6.023	0.006	0	7205	1.00	0.9872	M
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	58	13843	1.00	0.8894	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	94	77210	5.00	4.66	
74 Toluene	92	6.425	6.425	0.000	71	33561	1.00	1.06	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	72	10442	1.00	0.9422	
75 Ethyl methacrylate	69	6.777	6.778	-0.001	56	7946	1.00	1.28	
79 1,1,2-Trichloroethane	83	6.905	6.899	0.006	77	9377	1.00	1.02	
81 Tetrachloroethene	166	6.942	6.942	0.000	78	15224	1.00	1.04	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	82	19551	1.00	0.99	
80 2-Hexanone	43	7.142	7.137	0.005	93	45061	5.00	4.32	
83 Chlorodibromomethane	129	7.288	7.289	-0.001	53	9131	1.00	0.9265	
84 Ethylene Dibromide	107	7.386	7.380	0.006	48	9597	1.00	0.9621	
87 Chlorobenzene	112	7.854	7.854	0.000	85	37243	1.00	1.02	
88 Ethylbenzene	91	7.952	7.952	0.000	96	53369	1.00	0.9518	
89 1,1,1,2-Tetrachloroethane	131	7.952	7.958	-0.006	23	7867	1.00	0.8262	
90 m-Xylene & p-Xylene	106	8.079	8.073	0.006	95	19340	1.00	0.8805	
91 o-Xylene	106	8.493	8.493	0.000	88	18699	1.00	0.8473	
92 Styrene	104	8.530	8.530	0.000	82	30380	1.00	0.8628	M
95 Bromoform	173	8.767	8.767	0.000	69	5734	1.00	0.9281	
94 Isopropylbenzene	105	8.876	8.876	0.000	86	49051	1.00	0.8491	
101 Bromobenzene	156	9.229	9.223	0.006	71	16090	1.00	1.03	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	52	14796	1.00	1.00	
99 N-Propylbenzene	91	9.326	9.321	0.005	95	55013	1.00	0.8634	
100 1,2,3-Trichloropropane	110	9.339	9.333	0.006	63	5175	1.00	0.9580	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	38	5473	1.00	1.10	
103 2-Chlorotoluene	126	9.430	9.424	0.006	91	14053	1.00	1.01	a
102 1,3,5-Trimethylbenzene	105	9.521	9.515	0.006	87	40726	1.00	0.8431	
105 4-Chlorotoluene	126	9.545	9.546	-0.001	75	13536	1.00	0.9441	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	83	10189	1.00	0.9103	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	44	41774	1.00	0.8485	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	79	52088	1.00	0.8414	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	86	29261	1.00	0.9739	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	87	42492	1.00	0.7851	
113 1,4-Dichlorobenzene	146	10.282	10.288	-0.006	52	31511	1.00	1.00	a
115 n-Butylbenzene	91	10.610	10.610	0.000	87	36668	1.00	0.7989	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	87	29204	1.00	0.9833	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	4	2356	1.00	1.15	
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	77	20217	1.00	0.9175	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	69	8154	1.00	0.8016	
121 Naphthalene	128	12.289	12.283	0.006	86	45039	1.00	0.8004	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	81	20758	1.00	0.9386	
S 126 1,3-Dichloropropene, Total	1				0			1.83	
S 125 1,2-Dichloroethene, Total	1				0			1.84	
S 123 Total BTEX	1				0			4.68	
S 124 Xylenes, Total	1				0			1.73	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added:	1.00	Units: uL	
8260 CORP mix_00220	Amount Added:	1.00	Units: uL	
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:34:49 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D

Injection Date: 24-Feb-2022 19:38:30 Instrument ID: HP5973S Operator ID: AG/LH

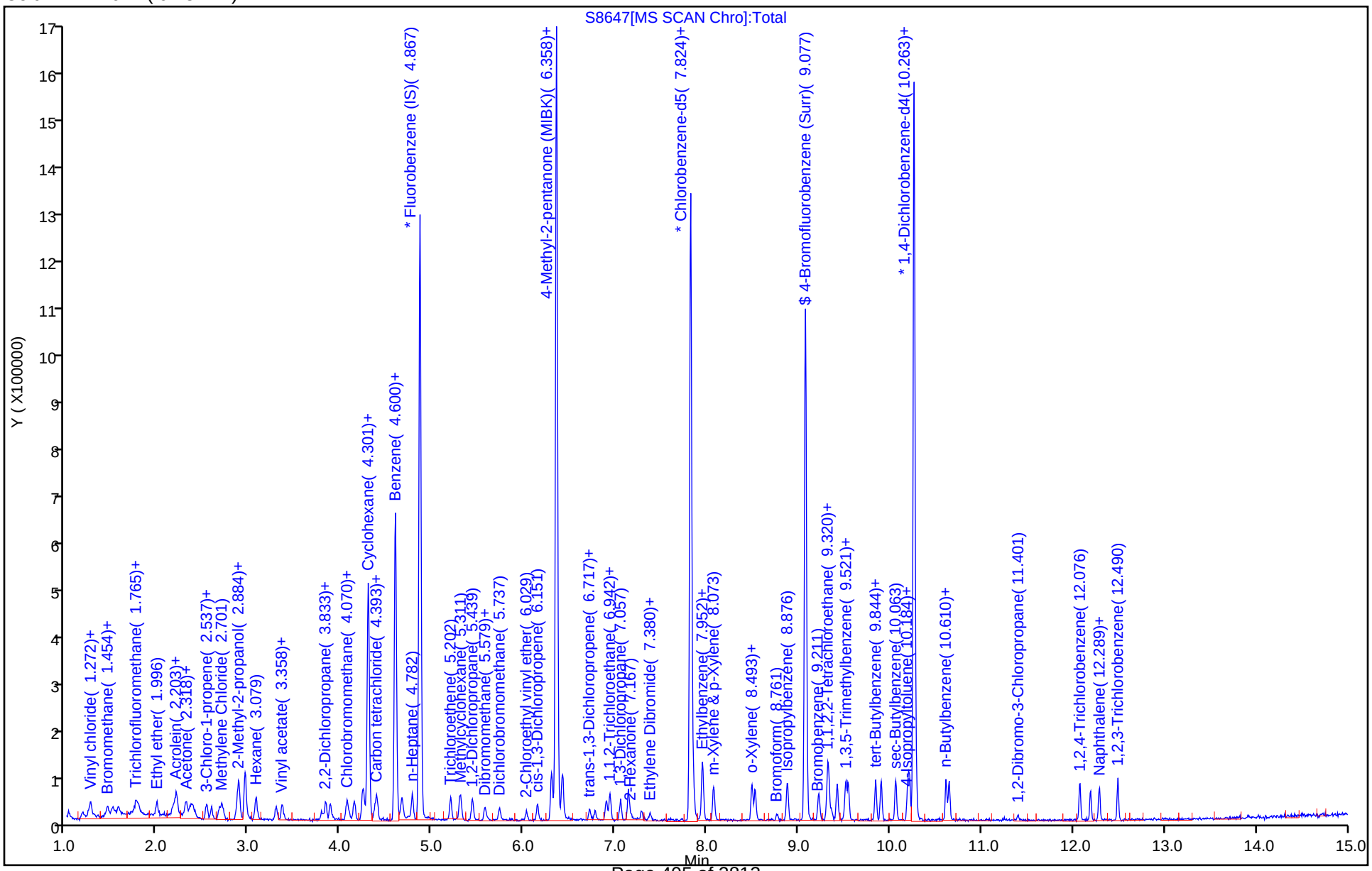
Lims ID: IC Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

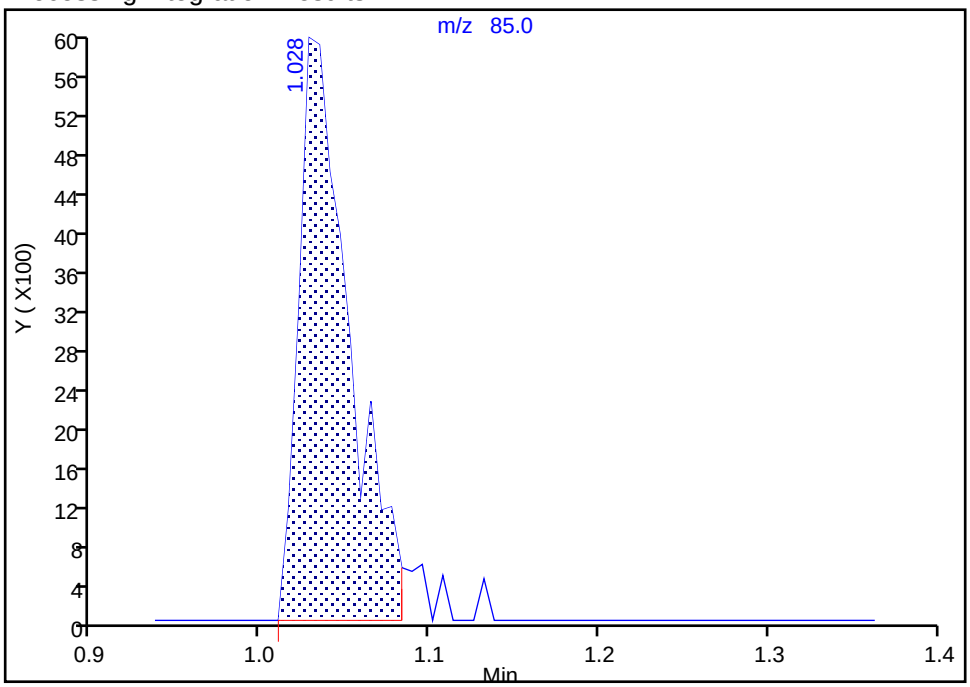
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

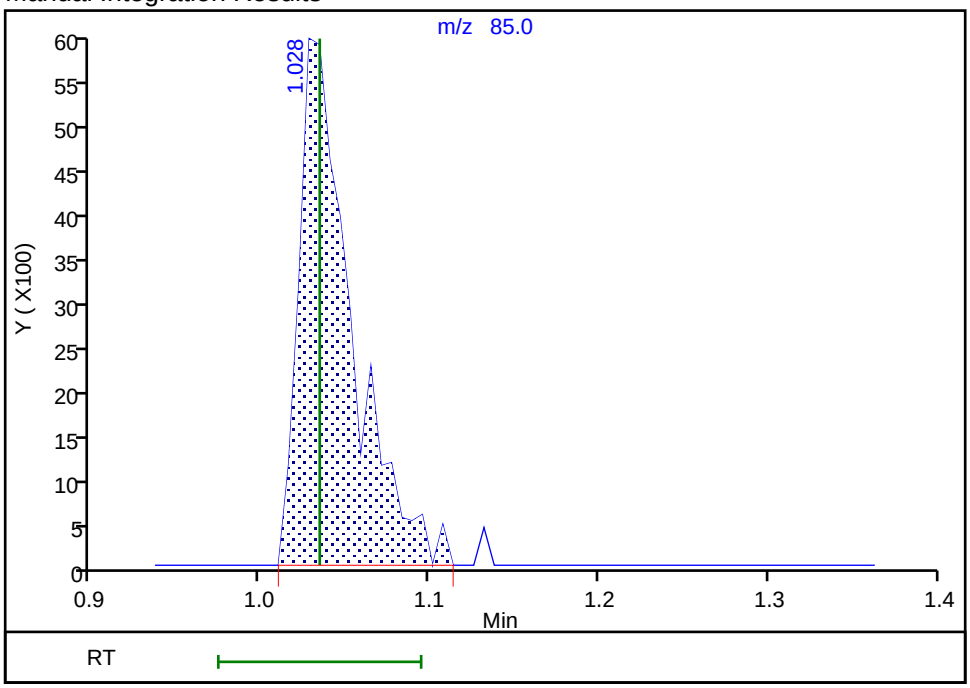
Processing Integration Results

RT: 1.03
Area: 12395
Amount: 0.835282
Amount Units: ug/L



Manual Integration Results

RT: 1.03
Area: 12956
Amount: 0.849729
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:36:55

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

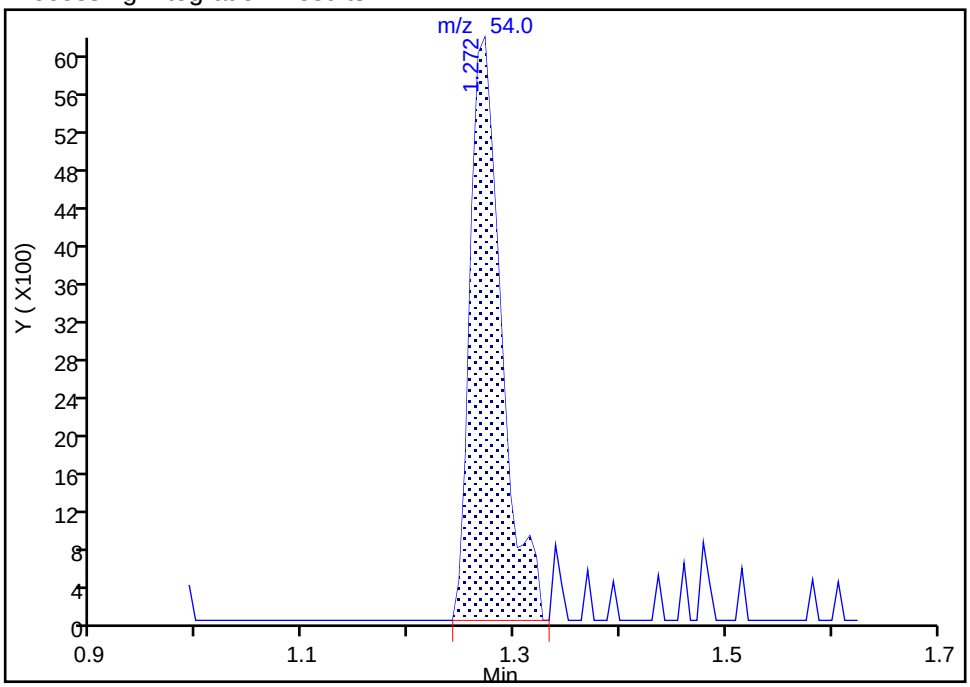
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

151 Butadiene, CAS: 106-99-0

Signal: 1

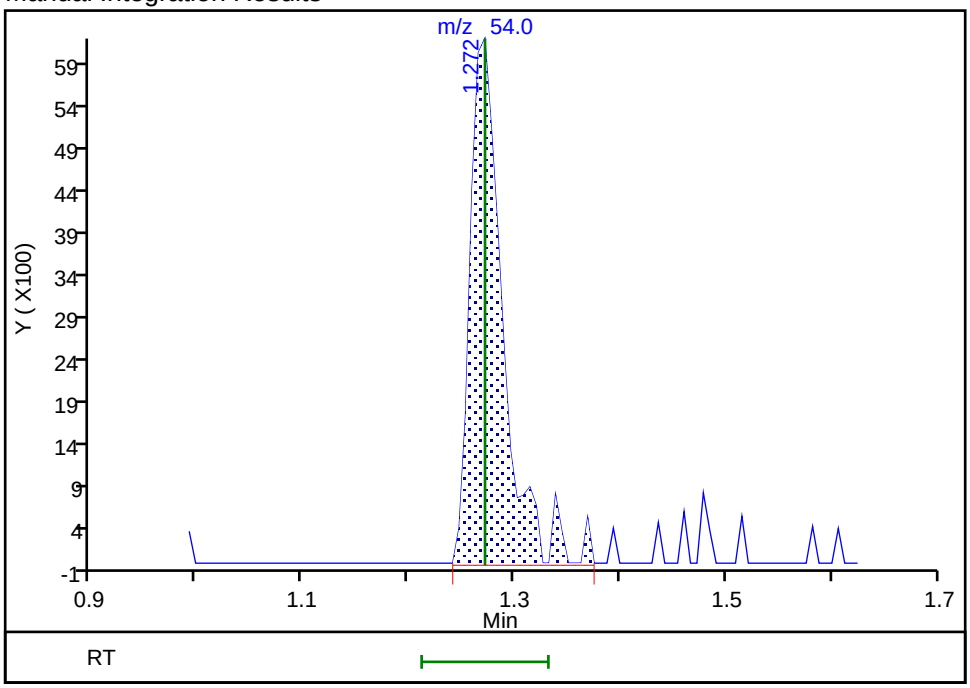
Processing Integration Results

RT: 1.27
Area: 12551
Amount: 0.774092
Amount Units: ug/L



Manual Integration Results

RT: 1.27
Area: 13366
Amount: 0.796074
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 14:35:30

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

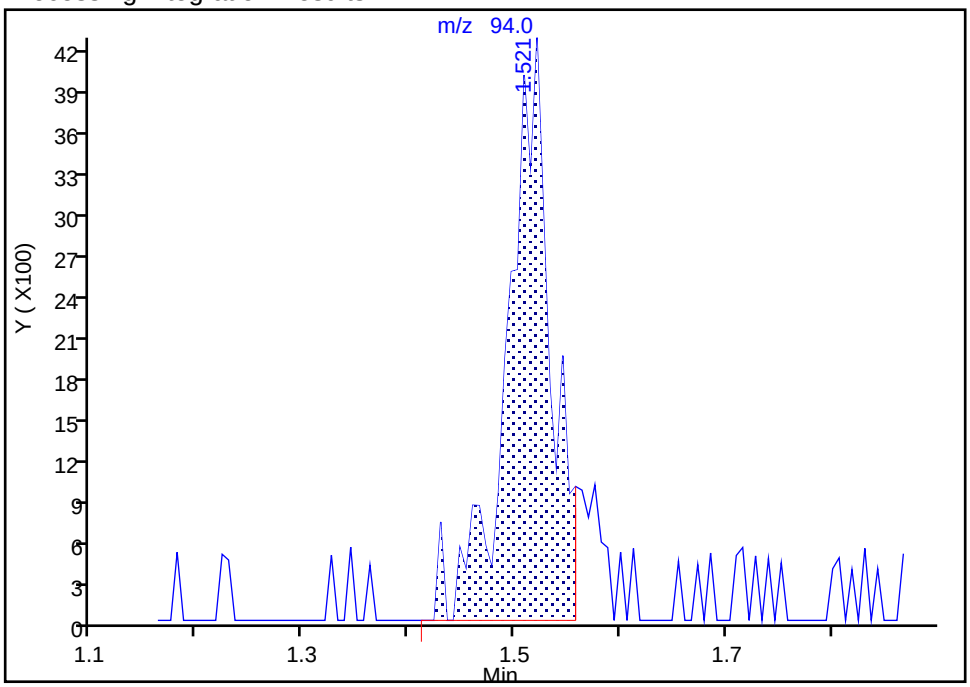
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Signal: 1

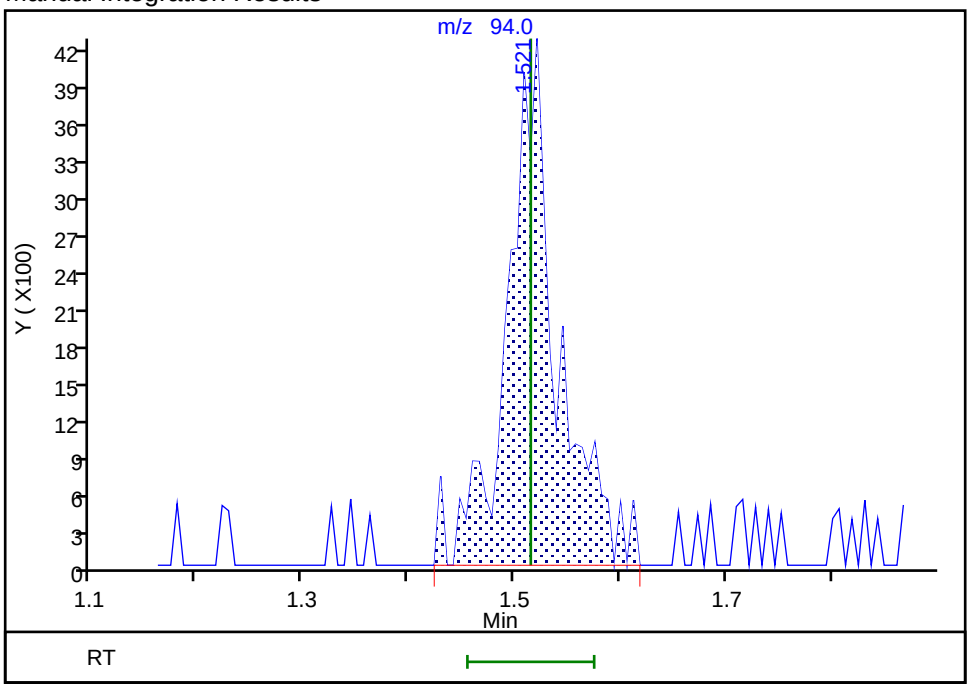
Processing Integration Results

RT: 1.52
Area: 12020
Amount: 1.028213
Amount Units: ug/L



Manual Integration Results

RT: 1.52
Area: 13765
Amount: 1.121557
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:37:11

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

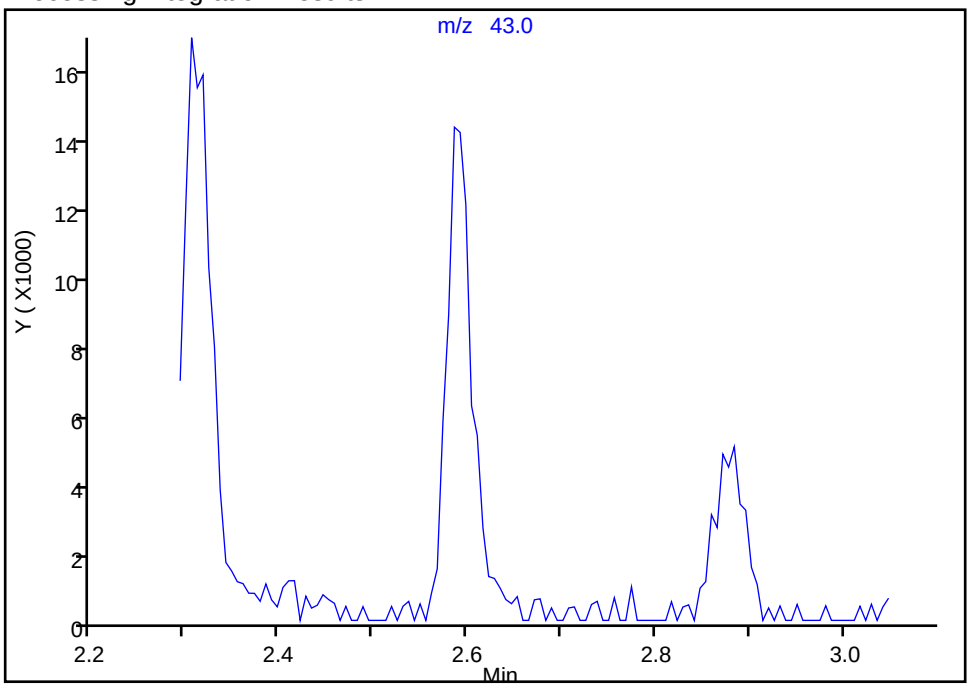
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

Signal: 1

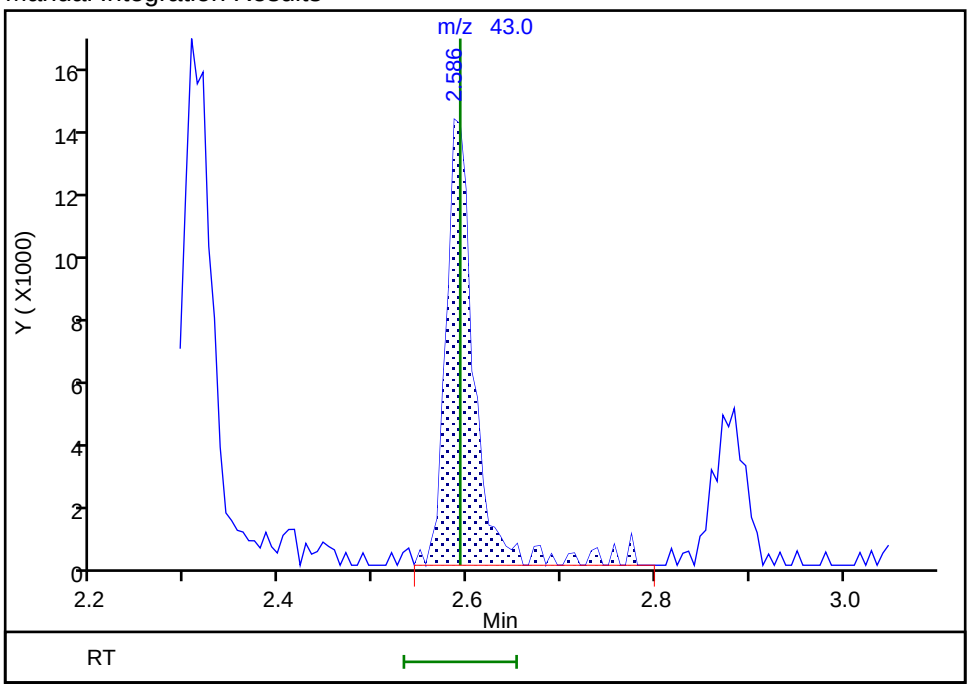
Not Detected
Expected RT: 2.59

Processing Integration Results



Manual Integration Results

RT: 2.59
Area: 29886
Amount: 2.080960
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:37:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

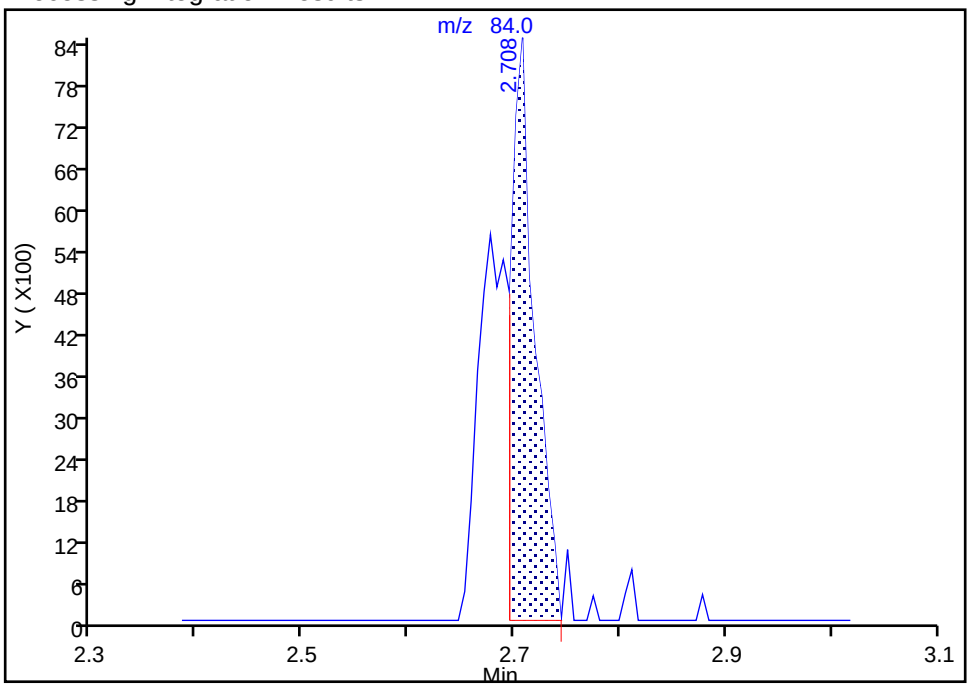
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

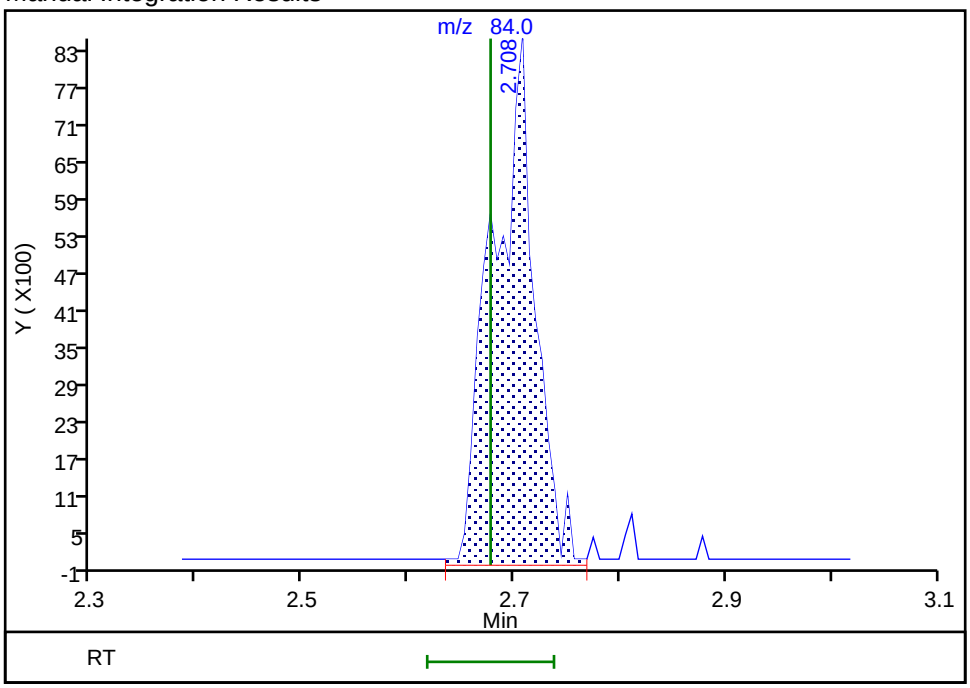
Processing Integration Results

RT: 2.71
Area: 12988
Amount: 0.159670
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 23719
Amount: 0.895392
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:37:46

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

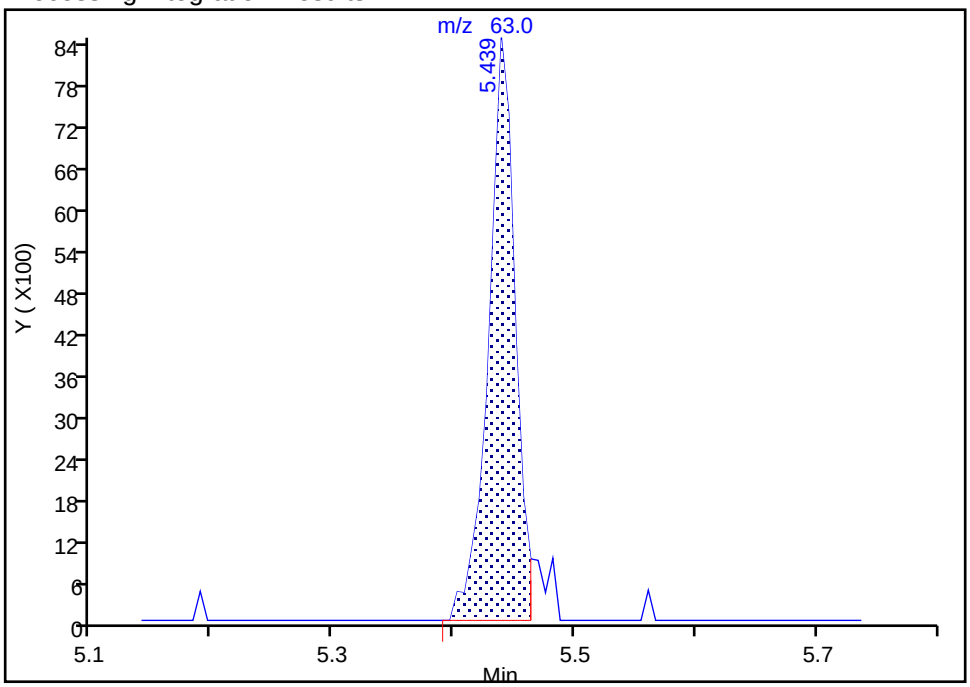
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

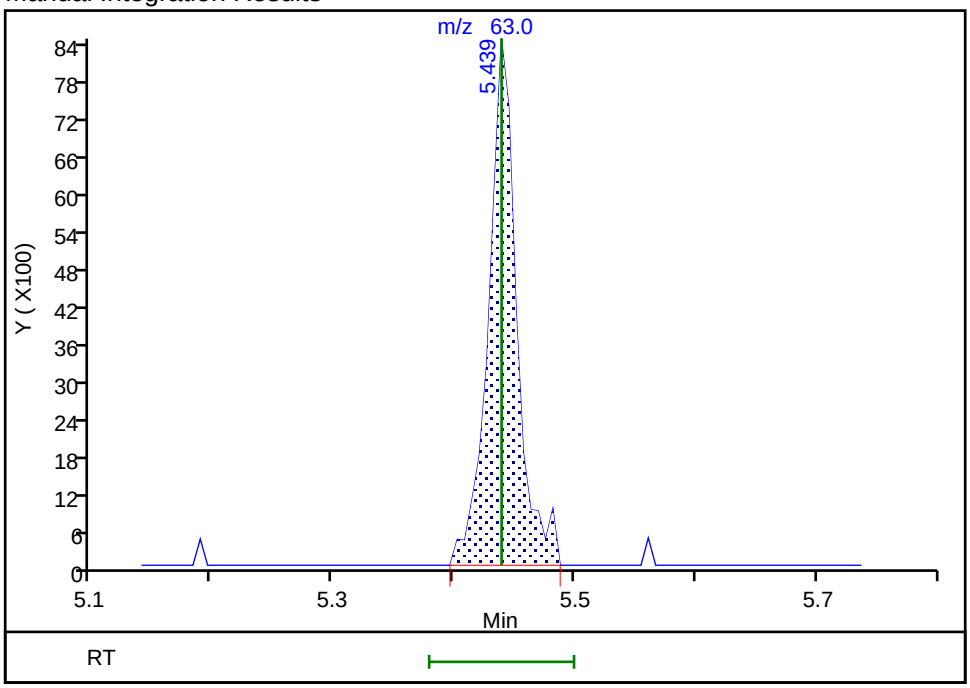
Processing Integration Results

RT: 5.44
Area: 12989
Amount: 0.988916
Amount Units: ug/L



Manual Integration Results

RT: 5.44
Area: 13789
Amount: 1.030064
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:38:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

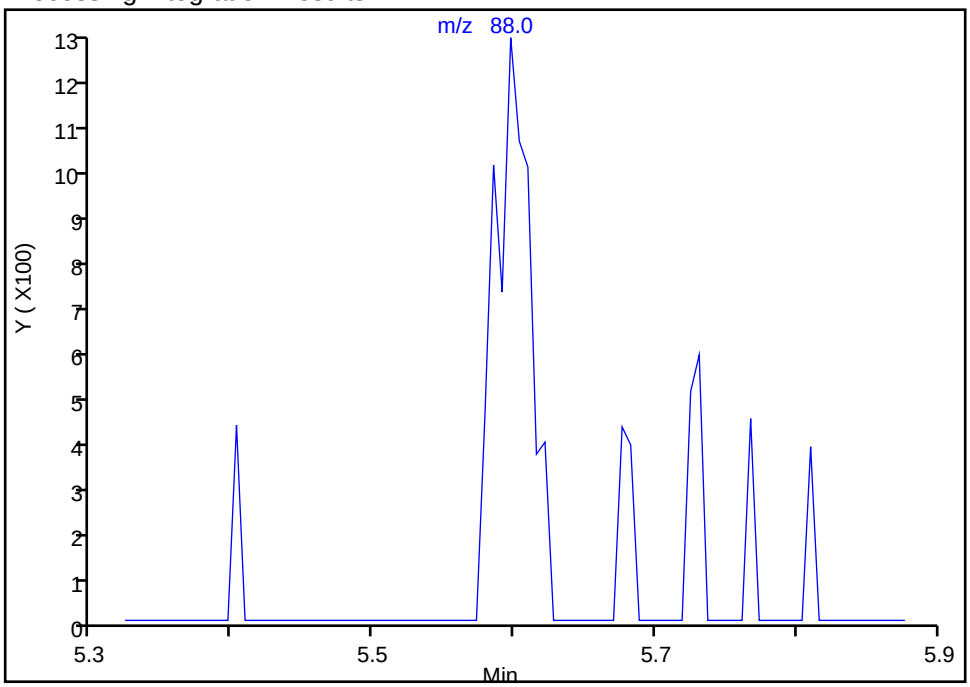
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

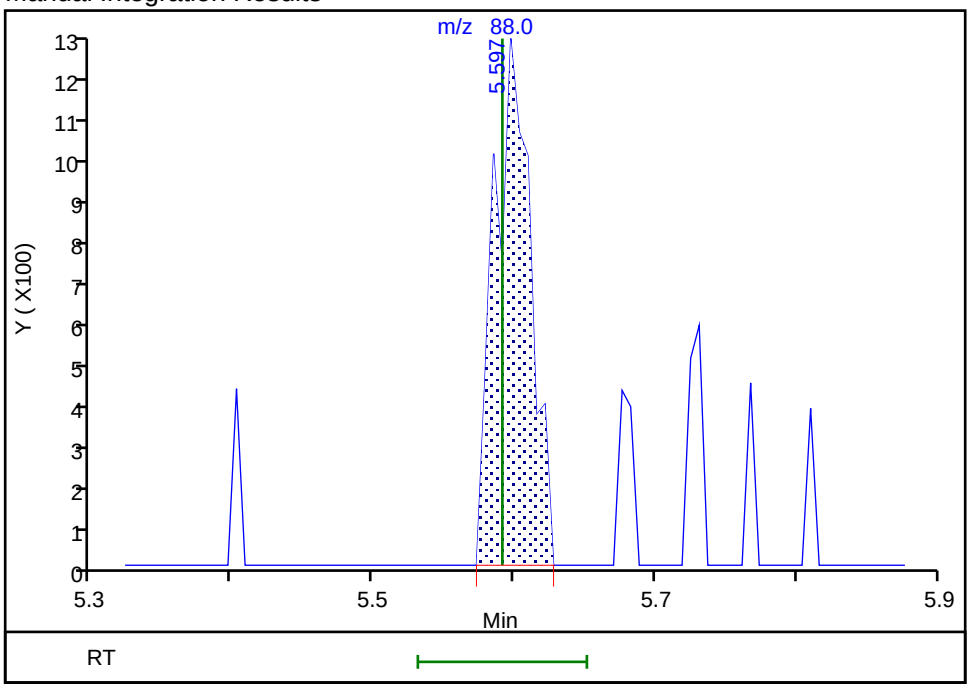
Not Detected
Expected RT: 5.59

Processing Integration Results



RT: 5.60
Area: 2254
Amount: 12.781192
Amount Units: ug/L

Manual Integration Results



Reviewer: gruninga, 25-Feb-2022 13:38:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

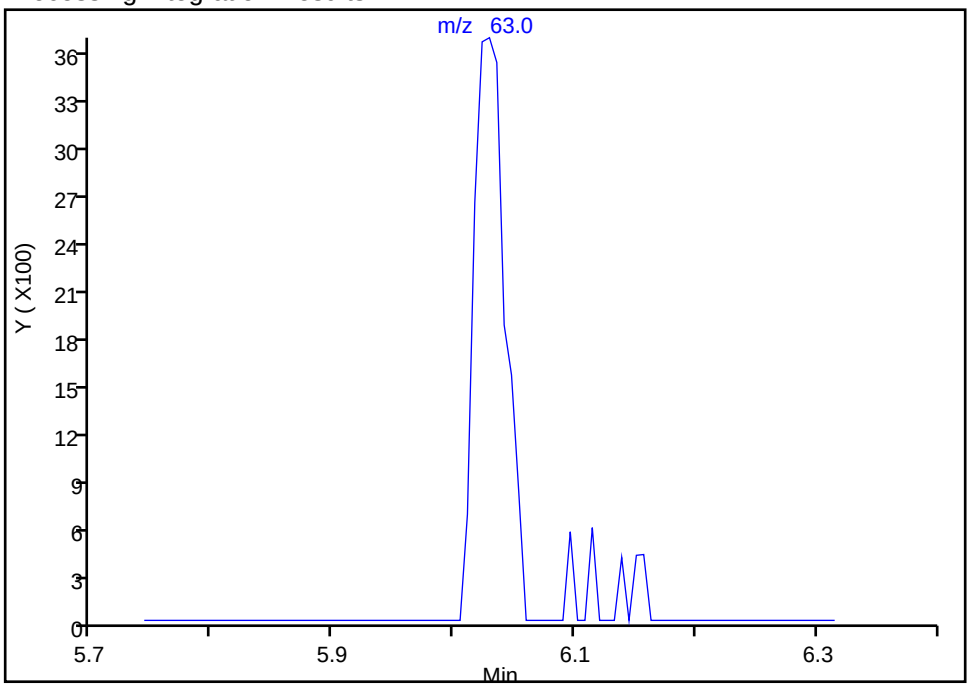
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

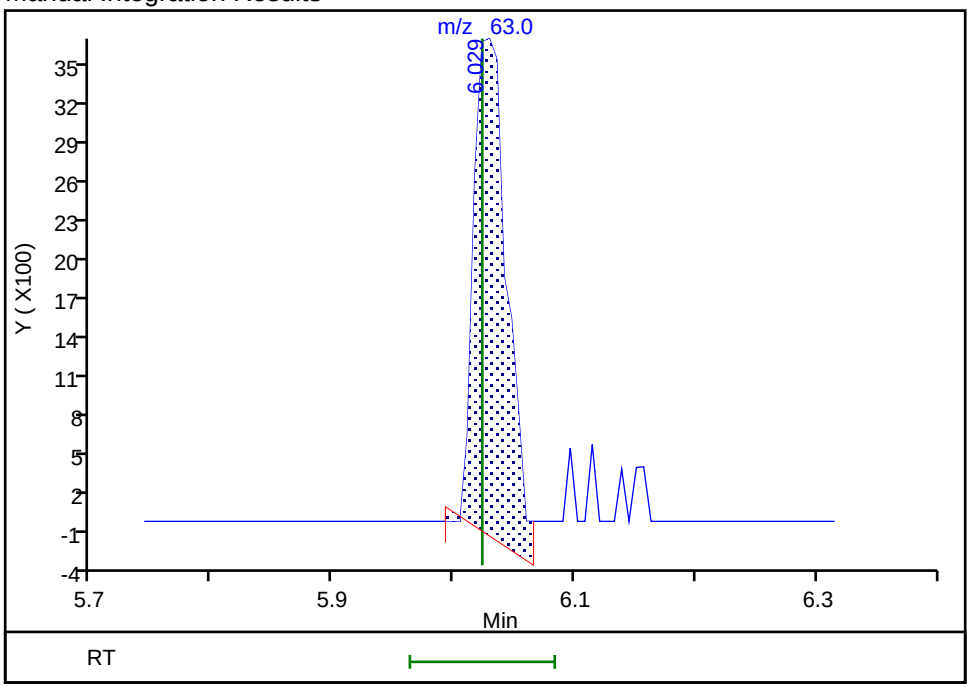
Processing Integration Results

Not Detected
Expected RT: 6.02



Manual Integration Results

RT: 6.03
Area: 7205
Amount: 0.987159
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:38:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

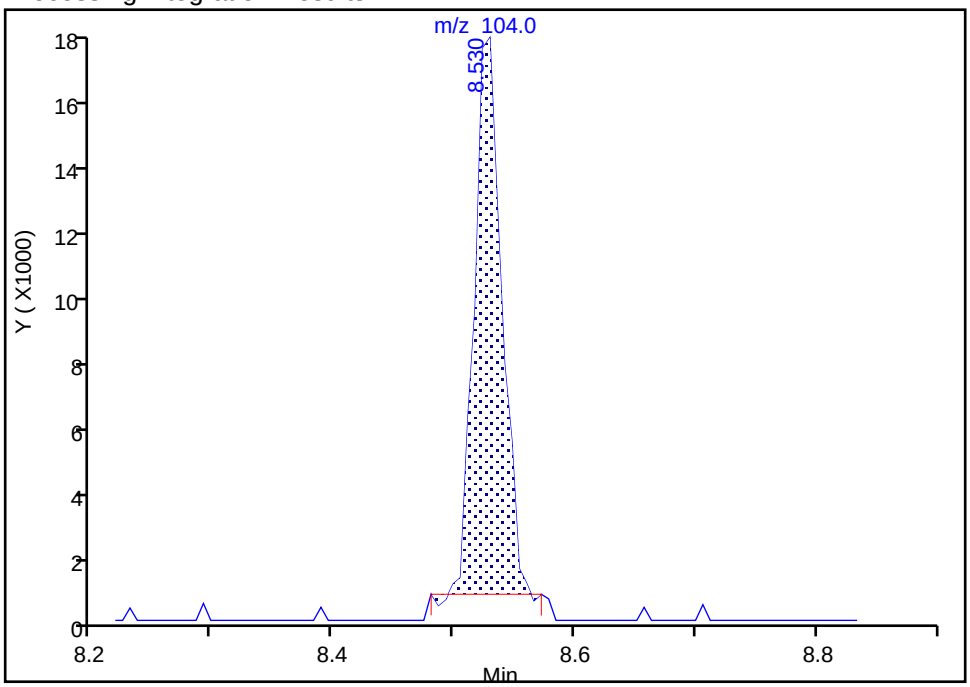
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

92 Styrene, CAS: 100-42-5

Signal: 1

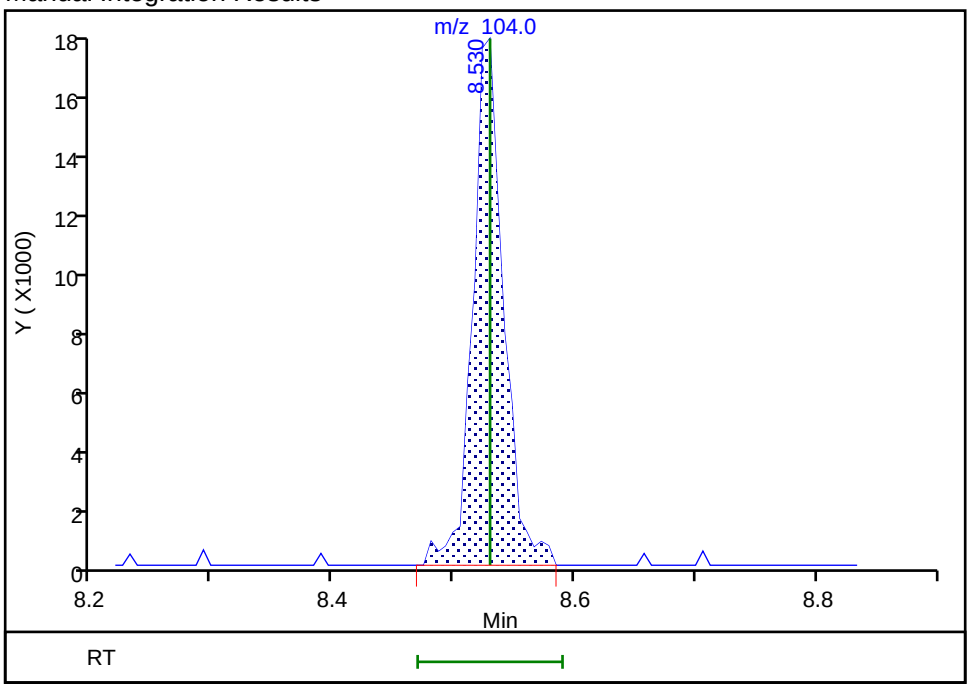
Processing Integration Results

RT: 8.53
Area: 25646
Amount: 0.764656
Amount Units: ug/L



Manual Integration Results

RT: 8.53
Area: 30380
Amount: 0.862843
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:39:18

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

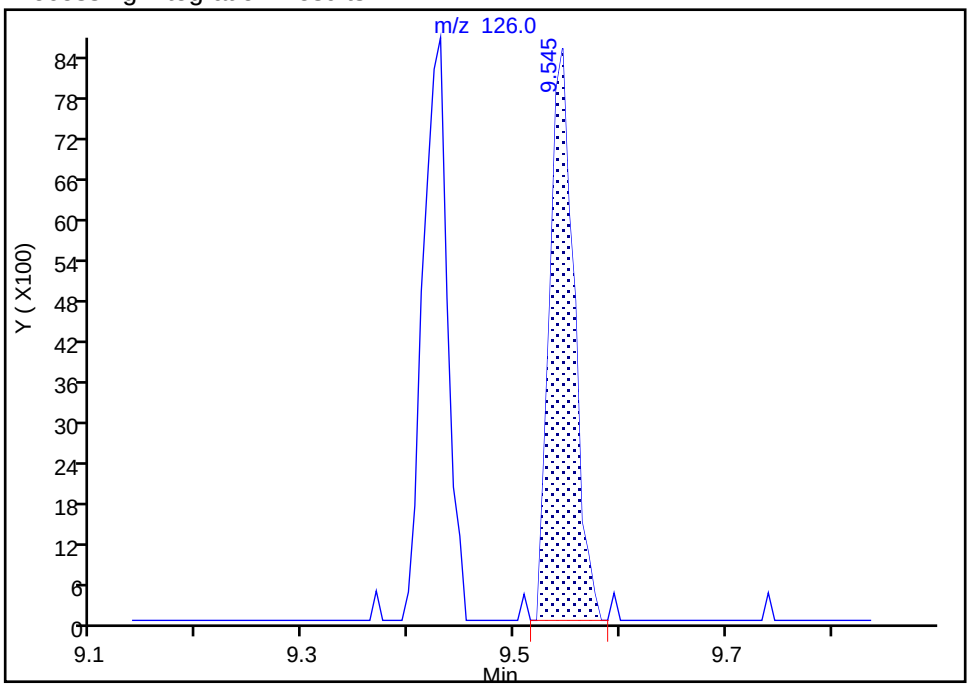
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

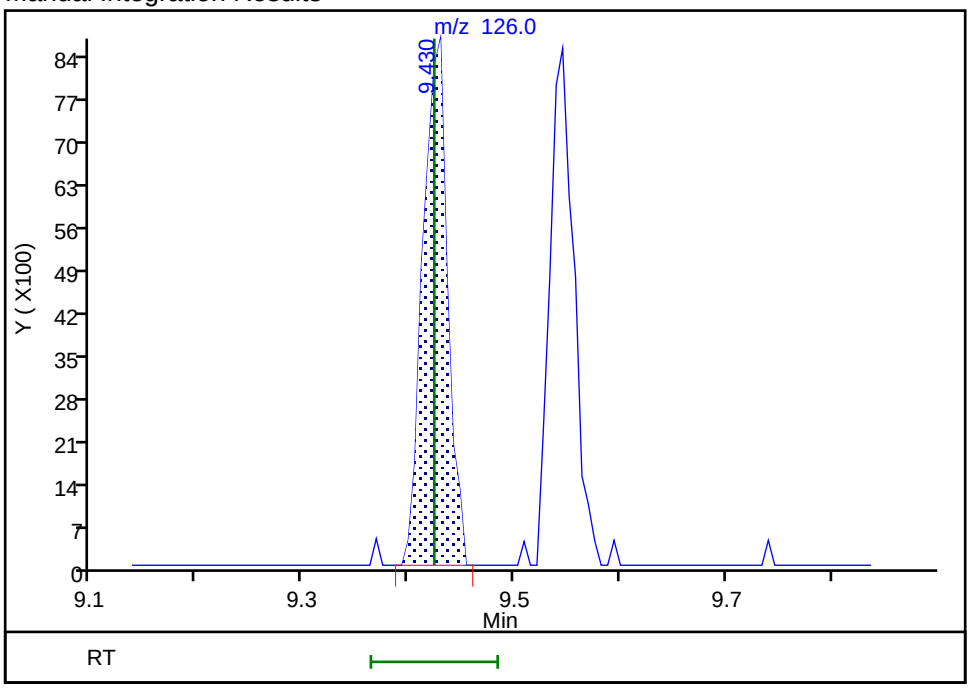
Processing Integration Results

RT: 9.55
Area: 13536
Amount: 0.967618
Amount Units: ug/L



Manual Integration Results

RT: 9.43
Area: 14053
Amount: 1.010133
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

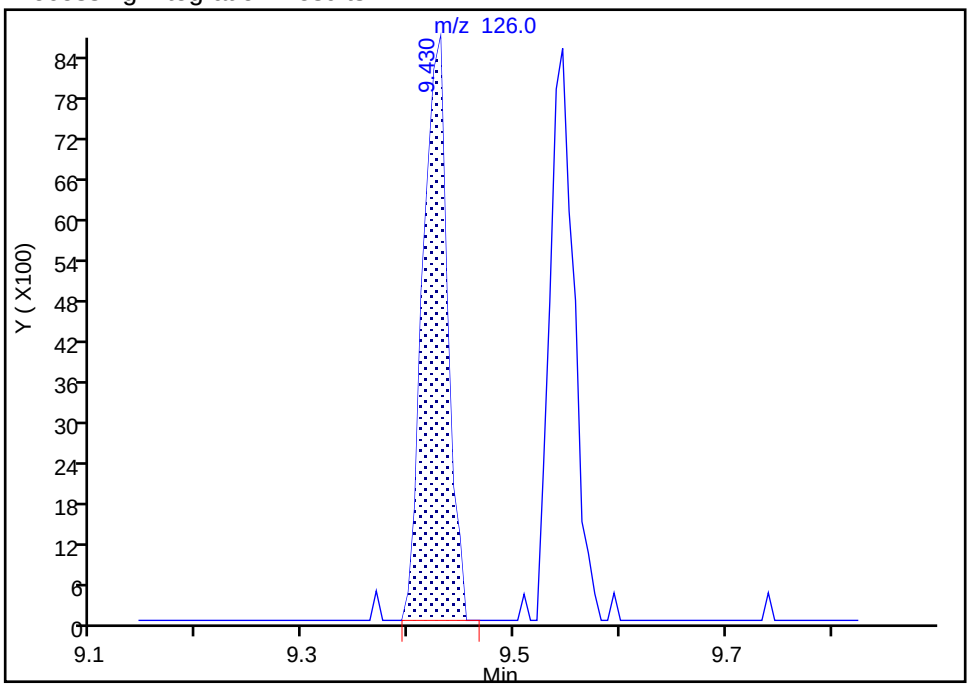
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

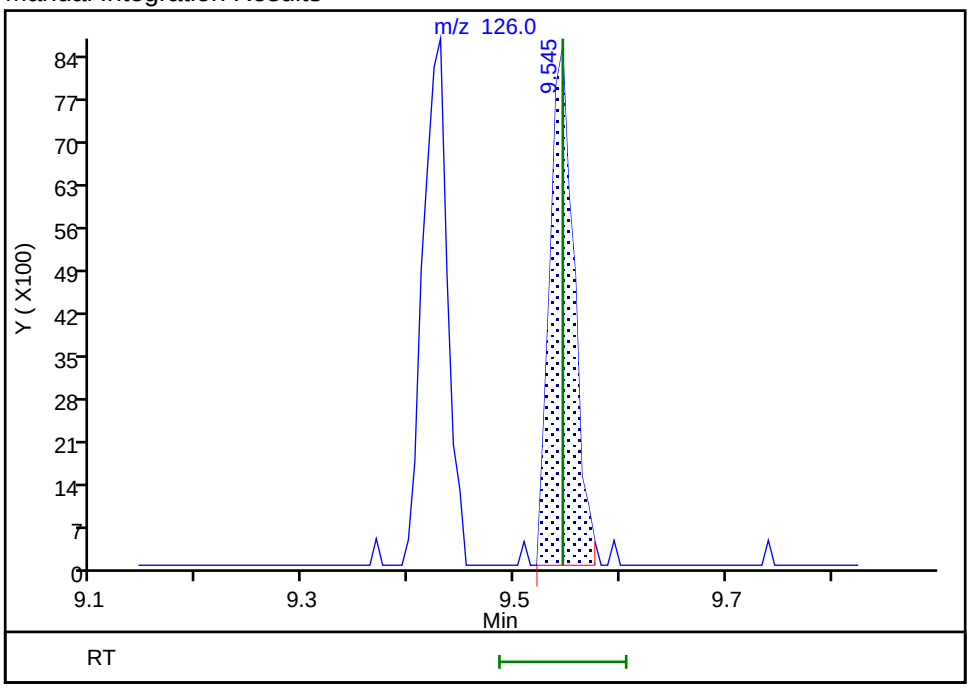
Processing Integration Results

RT: 9.43
Area: 14053
Amount: 0.984826
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 13536
Amount: 0.944120
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

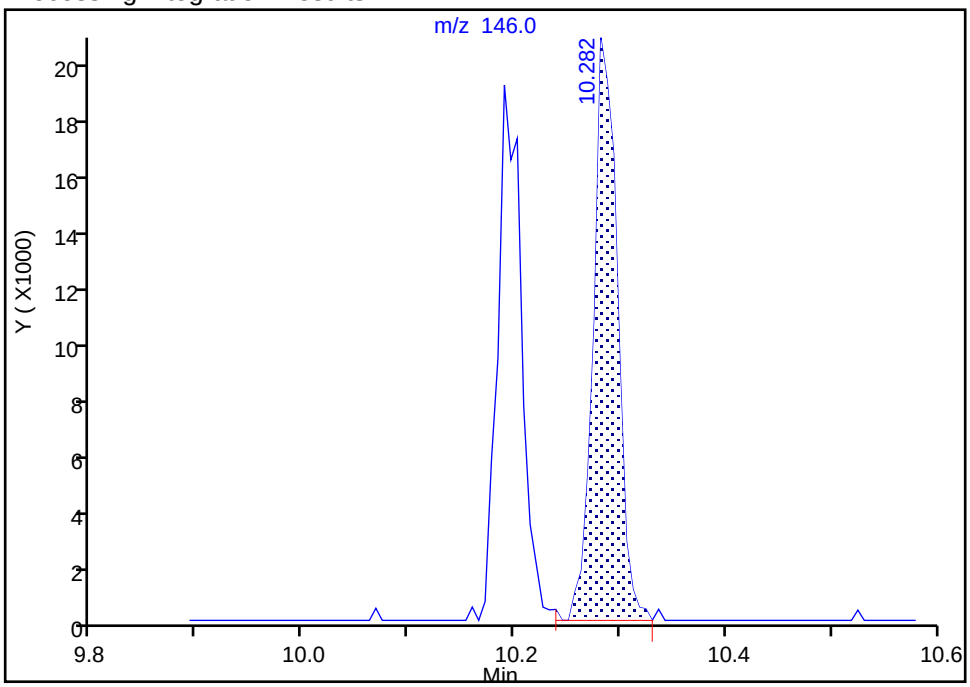
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

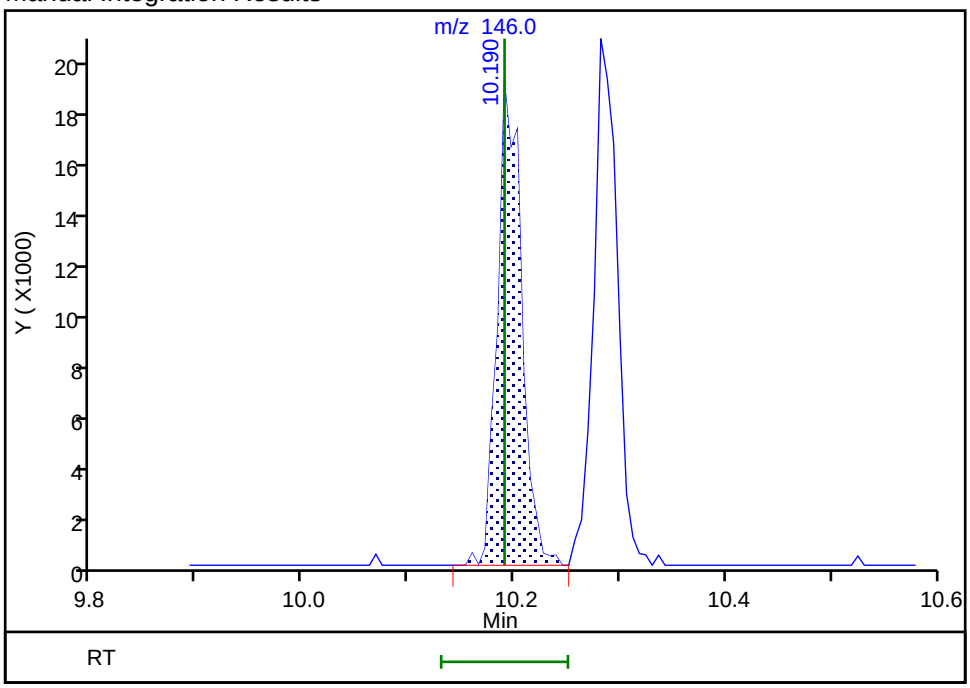
Processing Integration Results

RT: 10.28
Area: 31511
Amount: 1.010823
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 29261
Amount: 0.973945
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

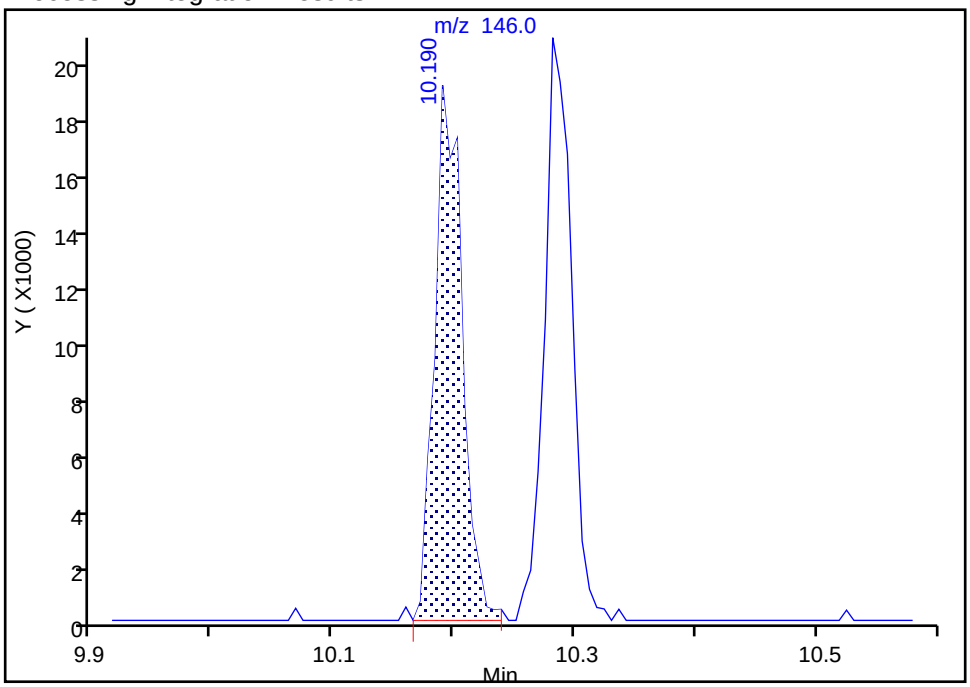
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8647.D				
Injection Date:	24-Feb-2022 19:38:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

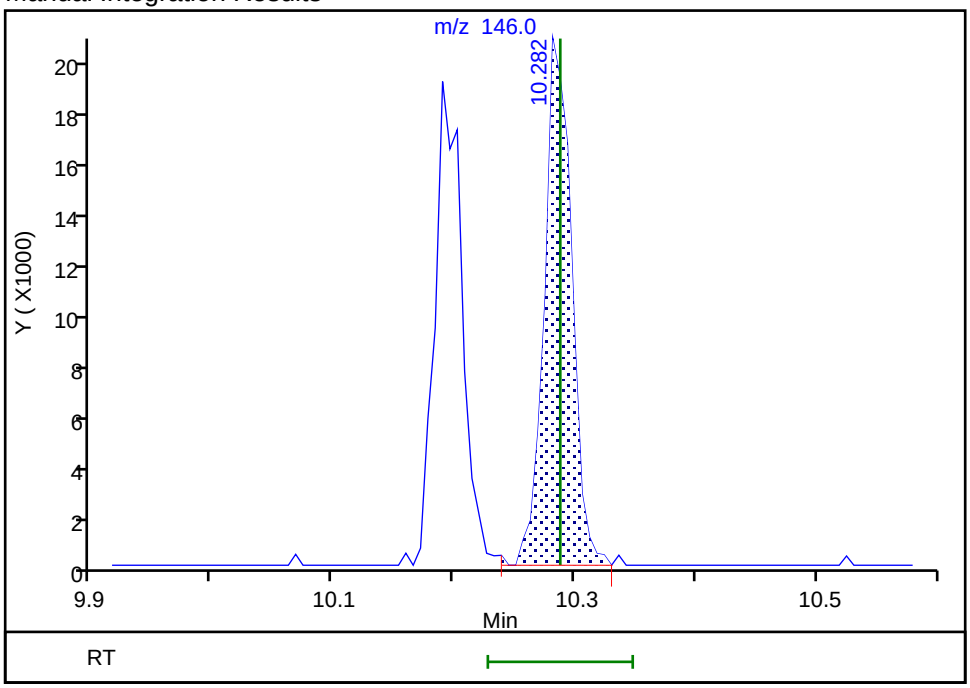
Processing Integration Results

RT: 10.19
Area: 29090
Amount: 0.954932
Amount Units: ug/L



Manual Integration Results

RT: 10.28
Area: 31511
Amount: 1.001365
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Feb-2022 20:01:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0104096-015
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:34:52 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:41:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	177129	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	85	331171	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.264	10.263	0.001	93	352301	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.302	0.000	58	249101	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	97	163527	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	92	875037	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	275829	25.0	24.8	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	84	33425	2.00	2.32	
12 Chloromethane	50	1.181	1.181	0.000	88	44257	2.00	2.43	
13 Vinyl chloride	62	1.260	1.254	0.006	63	39587	2.00	2.39	
151 Butadiene	54	1.278	1.272	0.006	59	38182	2.00	2.41	
14 Bromomethane	94	1.515	1.515	0.000	87	26552	2.00	2.29	
15 Chloroethane	64	1.582	1.576	0.006	82	26415	2.00	2.37	
17 Trichlorofluoromethane	101	1.771	1.759	0.012	68	47311	2.00	2.26	
16 Dichlorofluoromethane	67	1.783	1.771	0.012	78	59551	2.00	2.49	
18 Ethyl ether	59	1.996	1.996	0.000	88	28450	2.00	2.04	
20 Acrolein	56	2.166	2.166	0.000	77	19892	10.0	11.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.197	2.197	0.000	67	18031	2.00	1.61	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	87	19994	2.00	1.83	
23 Acetone	43	2.306	2.312	-0.006	89	71122	10.0	10.7	
25 Iodomethane	142	2.361	2.361	0.000	93	41365	2.00	2.00	
26 Carbon disulfide	76	2.391	2.385	0.006	89	64321	2.00	1.86	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	81	38950	2.00	1.88	
27 Methyl acetate	43	2.592	2.592	0.000	95	55262	4.00	4.08	
30 Methylene Chloride	84	2.702	2.677	0.025	82	35792	2.00	1.95	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	64	23282	20.0	20.0	M
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	90	71455	2.00	1.95	
34 trans-1,2-Dichloroethene	96	2.896	2.890	0.006	86	23738	2.00	1.92	
33 Acrylonitrile	53	2.957	2.957	0.000	99	132506	20.0	18.6	
35 Hexane	57	3.079	3.079	0.000	92	29587	2.00	1.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	81	51086	2.00	2.11	
37 Vinyl acetate	43	3.365	3.359	0.006	96	84636	4.00	3.45	
44 2,2-Dichloropropane	77	3.791	3.797	-0.006	64	12900	2.00	1.84	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	74	27681	2.00	2.07	
43 2-Butanone (MEK)	43	3.888	3.882	0.006	97	79272	10.0	9.44	
48 Chlorobromomethane	128	4.070	4.064	0.006	90	16514	2.00	2.19	
49 Tetrahydrofuran	42	4.089	4.083	0.006	84	22265	4.00	3.89	
50 Chloroform	83	4.150	4.149	0.001	77	44528	2.00	1.94	
52 Cyclohexane	56	4.241	4.247	-0.006	85	35666	2.00	1.54	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	85	27682	2.00	1.81	
55 Carbon tetrachloride	117	4.381	4.381	0.000	67	19042	2.00	1.60	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	78	28013	2.00	1.71	
57 Benzene	78	4.594	4.594	0.000	54	94894	2.00	1.90	
53 Isobutyl alcohol	43	4.661	4.661	0.000	19	20202	50.0	42.0	
58 1,2-Dichloroethane	62	4.673	4.667	0.006	57	42835	2.00	2.00	
59 n-Heptane	43	4.782	4.782	0.000	85	34156	2.00	1.68	
62 Trichloroethene	95	5.202	5.202	0.000	87	23075	2.00	1.85	
64 Methylcyclohexane	83	5.305	5.305	0.000	90	31231	2.00	1.54	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	83	24678	2.00	1.95	
67 Dibromomethane	93	5.579	5.573	0.006	79	17808	2.00	2.13	
66 1,4-Dioxane	88	5.597	5.591	0.006	36	6914	40.0	42.1	
68 Dichlorobromomethane	83	5.737	5.731	0.006	79	25135	2.00	1.77	
69 2-Chloroethyl vinyl ether	63	6.029	6.023	0.006	74	10992	2.00	1.60	
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	72	25488	2.00	1.73	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	139167	10.0	9.01	
74 Toluene	92	6.425	6.425	0.000	76	57813	2.00	1.95	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	82	17358	2.00	1.68	
75 Ethyl methacrylate	69	6.772	6.778	-0.006	81	15007	2.00	1.91	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	85	16515	2.00	1.93	
81 Tetrachloroethene	166	6.942	6.942	0.000	84	26445	2.00	1.94	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	89	36153	2.00	1.97	
80 2-Hexanone	43	7.143	7.137	0.006	96	85219	10.0	8.77	
83 Chlorodibromomethane	129	7.283	7.289	-0.006	72	16187	2.00	1.76	
84 Ethylene Dibromide	107	7.374	7.380	-0.006	64	14663	2.00	1.58	
87 Chlorobenzene	112	7.854	7.854	0.000	90	67797	2.00	1.99	
88 Ethylbenzene	91	7.952	7.952	0.000	97	93382	2.00	1.79	
89 1,1,1,2-Tetrachloroethane	131	7.952	7.958	-0.006	33	15181	2.00	1.71	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	96	37214	2.00	1.82	
91 o-Xylene	106	8.493	8.493	0.000	93	38014	2.00	1.85	
92 Styrene	104	8.530	8.530	0.000	85	54115	2.00	1.65	
95 Bromoform	173	8.767	8.767	0.000	56	10466	2.00	1.82	
94 Isopropylbenzene	105	8.876	8.876	0.000	91	102299	2.00	1.88	
101 Bromobenzene	156	9.229	9.223	0.006	86	29261	2.00	1.98	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.314	-0.006	79	25862	2.00	1.85	
99 N-Propylbenzene	91	9.321	9.321	0.000	97	109746	2.00	1.82	
100 1,2,3-Trichloropropane	110	9.333	9.333	0.000	53	10459	2.00	2.05	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	1	8403	2.00	1.79	
103 2-Chlorotoluene	126	9.424	9.424	0.000	95	26529	2.00	2.02	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	93	81400	2.00	1.78	
105 4-Chlorotoluene	126	9.540	9.546	-0.006	91	26458	2.00	1.95	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	88	18092	2.00	1.71	
107 1,2,4-Trimethylbenzene	105	9.905	9.905	0.000	61	81576	2.00	1.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	92	99826	2.00	1.71	
111 1,3-Dichlorobenzene	146	10.197	10.190	0.007	95	53629	2.00	1.89	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	88	86790	2.00	1.70	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	93	60067	2.00	2.02	a
115 n-Butylbenzene	91	10.610	10.610	0.000	93	78594	2.00	1.81	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	87	53981	2.00	1.92	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	14	2849	2.00	1.48	
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	89	40026	2.00	1.92	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	81	18809	2.00	1.96	
121 Naphthalene	128	12.289	12.283	0.006	92	92653	2.00	1.74	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	91	40453	2.00	1.94	
S 126 1,3-Dichloropropene, Total	1				0			3.42	
S 125 1,2-Dichloroethene, Total	1				0			3.99	
S 123 Total BTEX	1				0			9.30	
S 124 Xylenes, Total	1				0			3.67	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added:	2.00	Units: uL	
8260 CORP mix_00220	Amount Added:	2.00	Units: uL	
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:34:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D

Injection Date: 24-Feb-2022 20:01:30 Instrument ID: HP5973S Operator ID: AG/LH

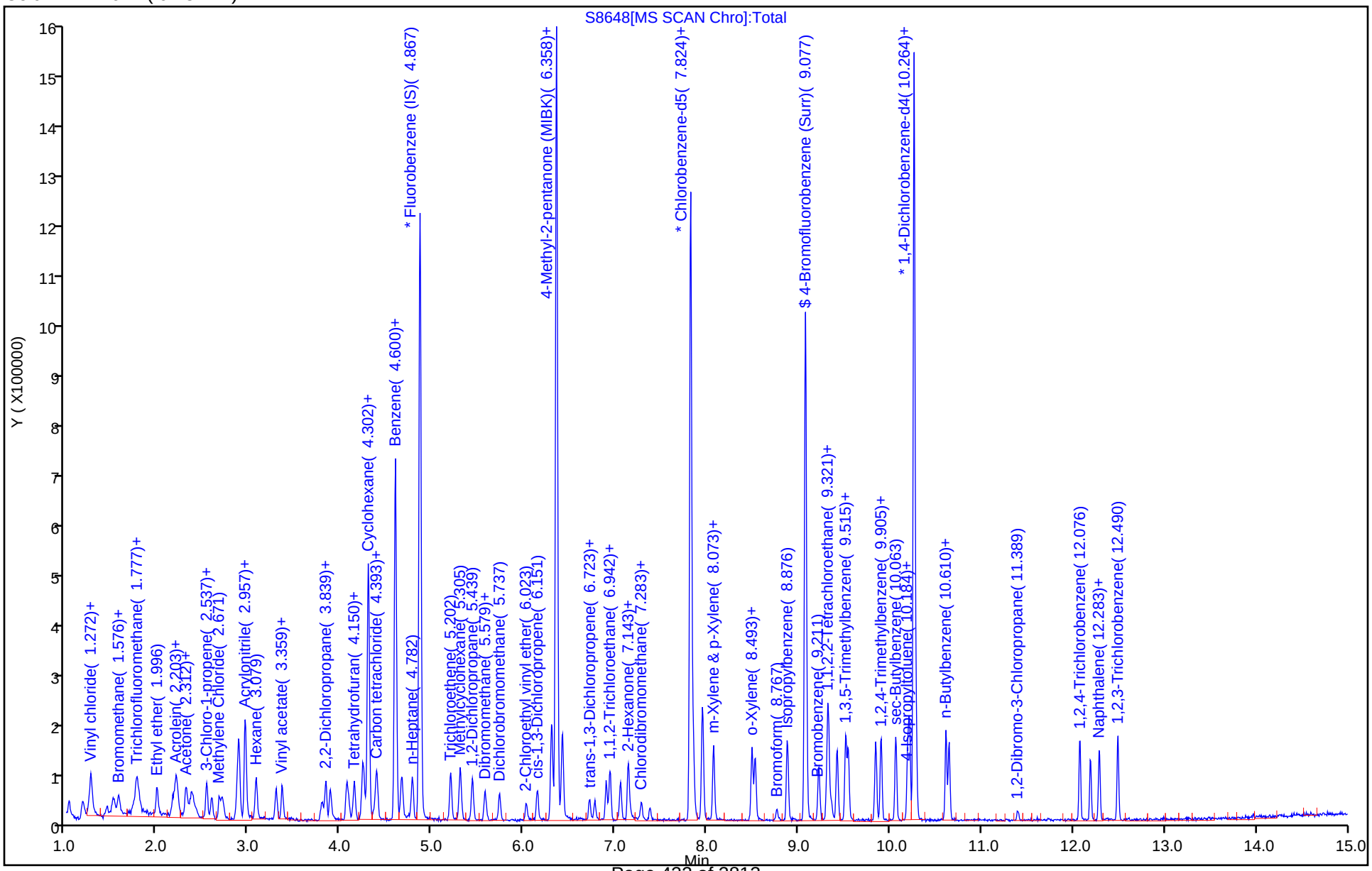
Lims ID: IC 2 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

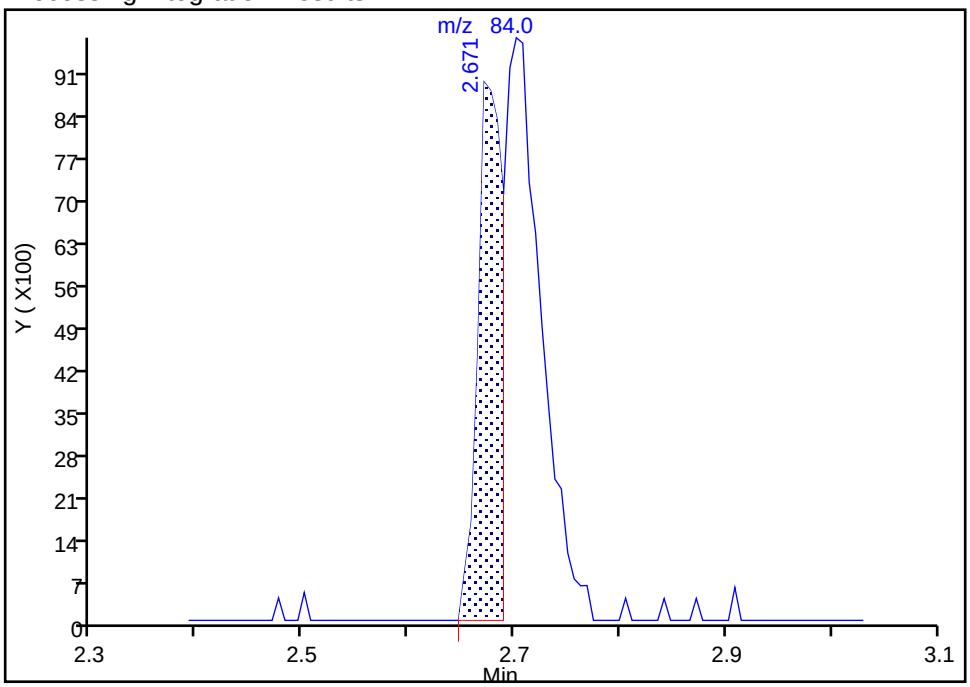
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

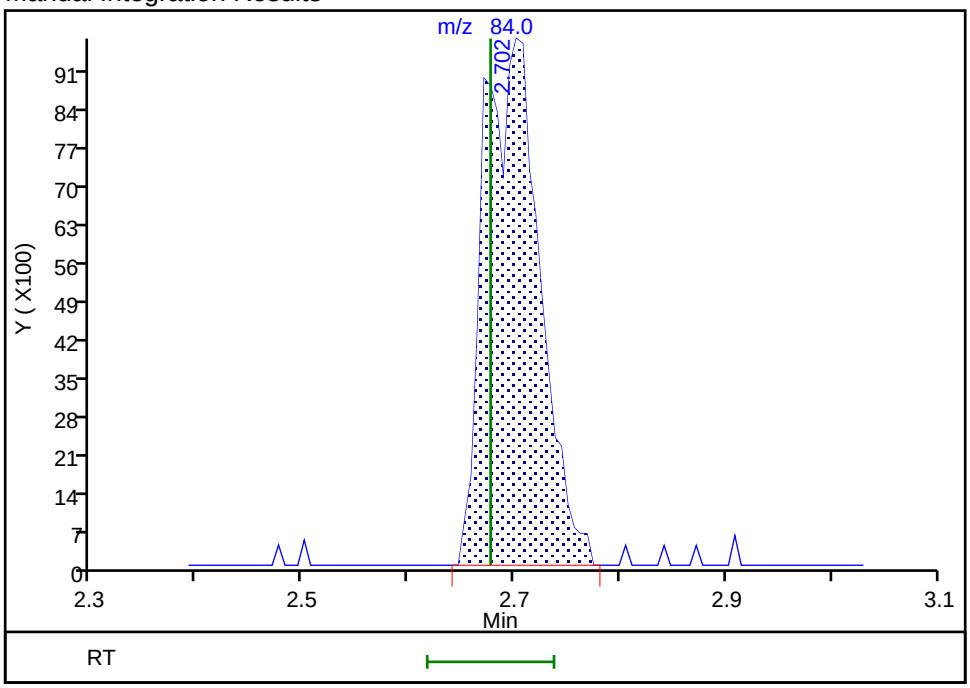
Processing Integration Results

RT: 2.67
Area: 14610
Amount: 0.082587
Amount Units: ug/L



Manual Integration Results

RT: 2.70
Area: 35792
Amount: 1.948565
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:40:28

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

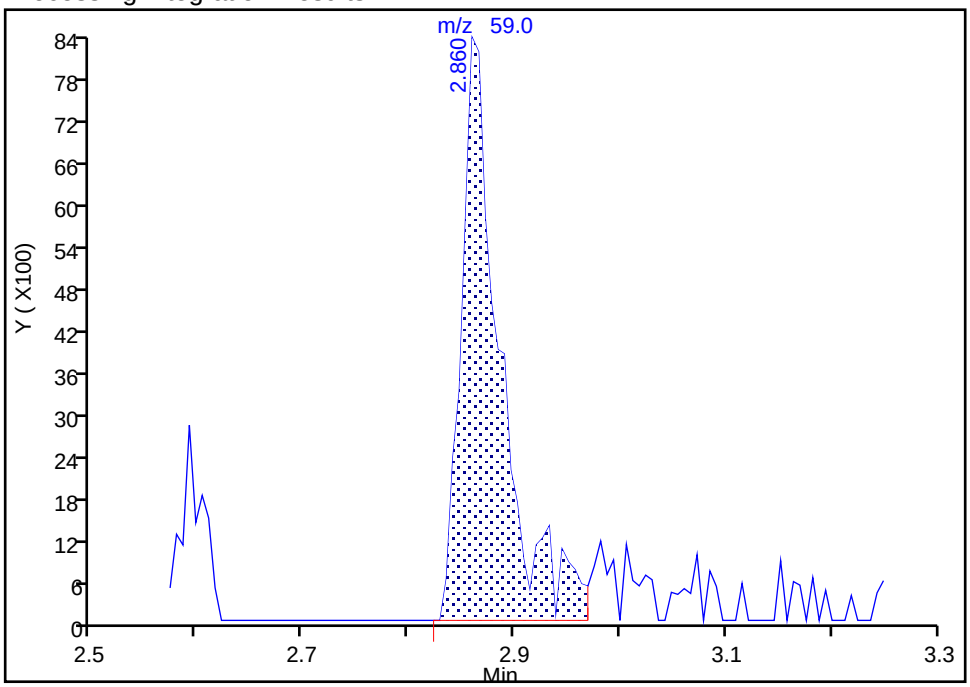
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

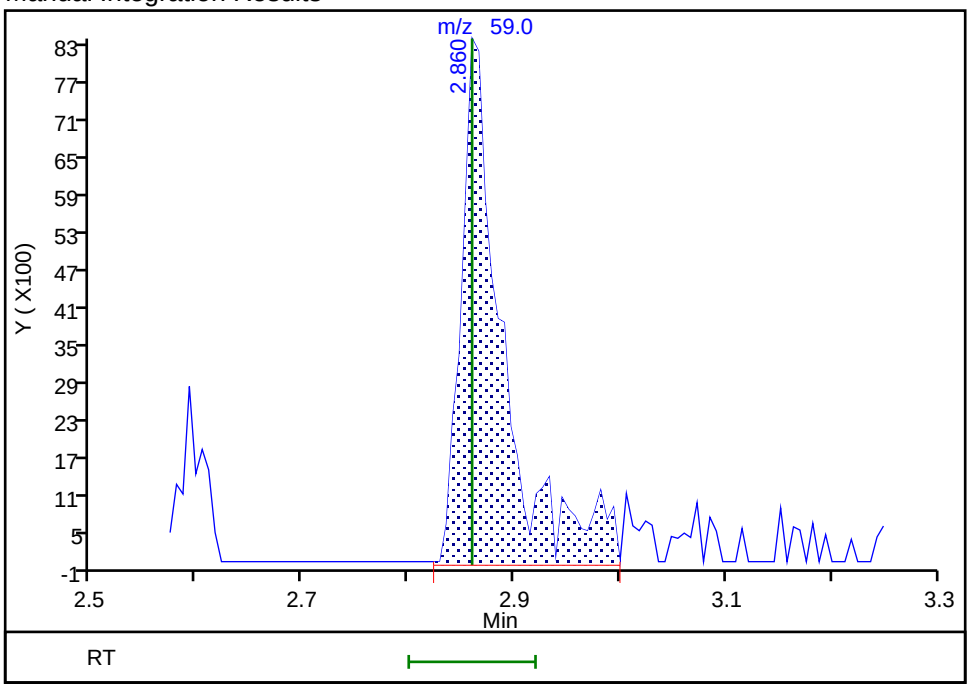
Processing Integration Results

RT: 2.86
Area: 21409
Amount: 17.749212
Amount Units: ug/L



Manual Integration Results

RT: 2.86
Area: 23282
Amount: 20.045201
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:40:52

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

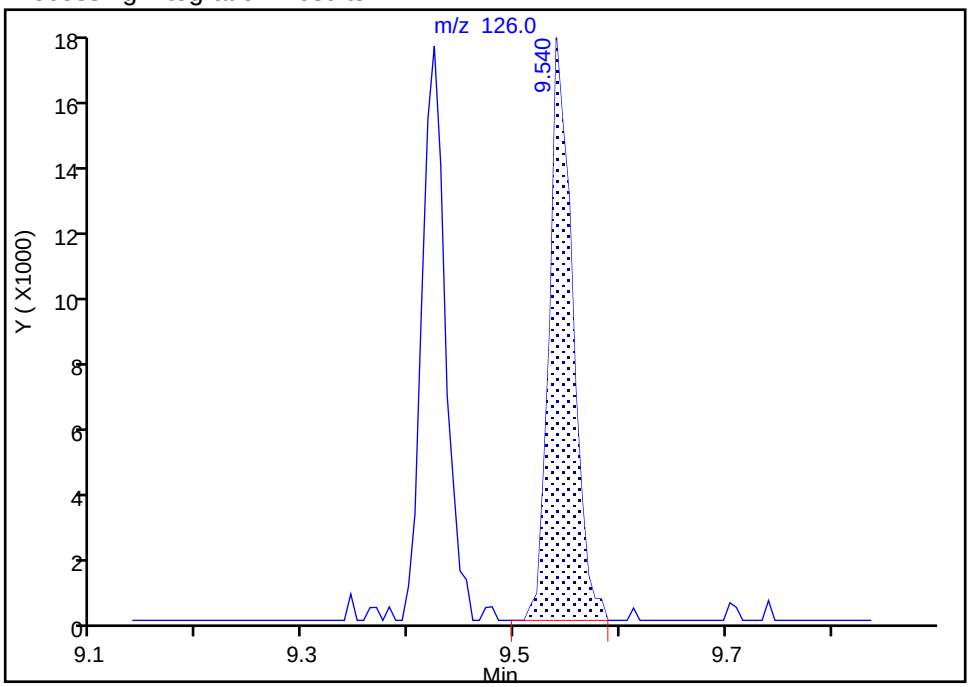
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

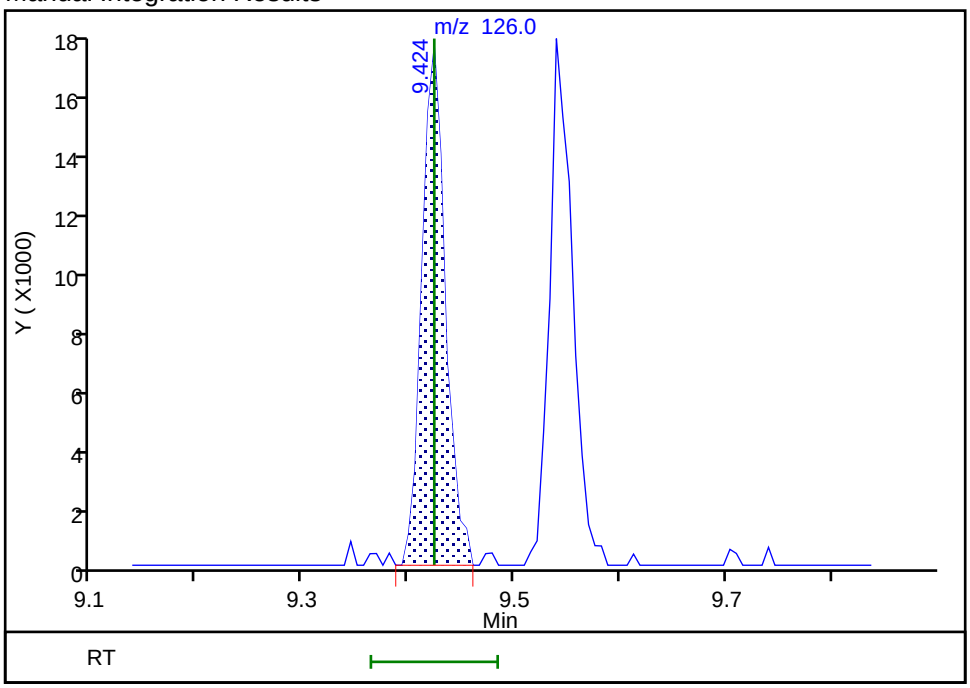
Processing Integration Results

RT: 9.54
Area: 26458
Amount: 1.993559
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 26529
Amount: 2.019252
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

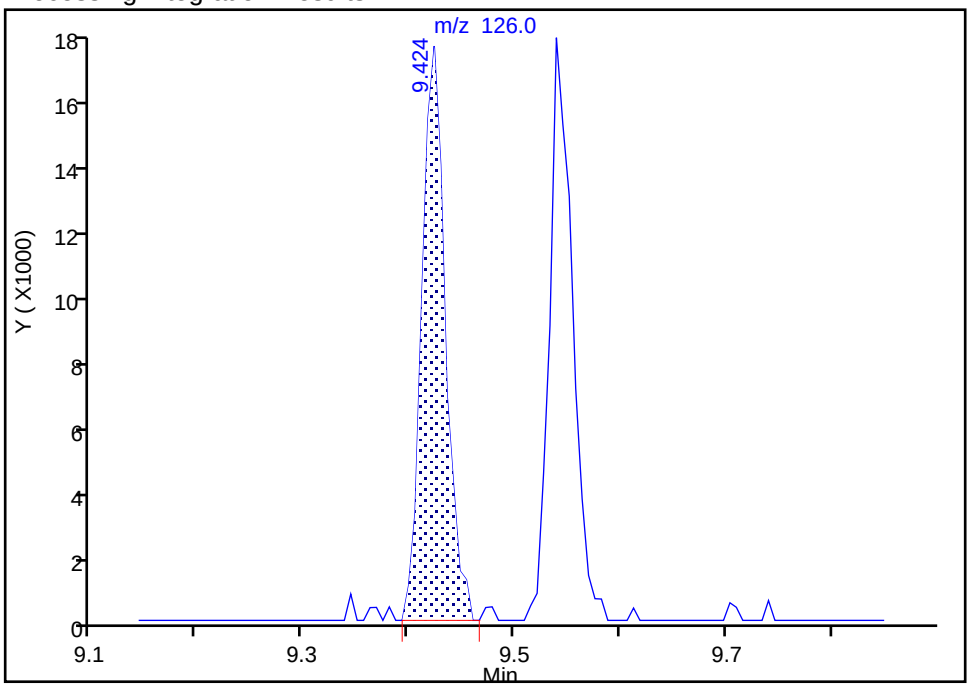
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

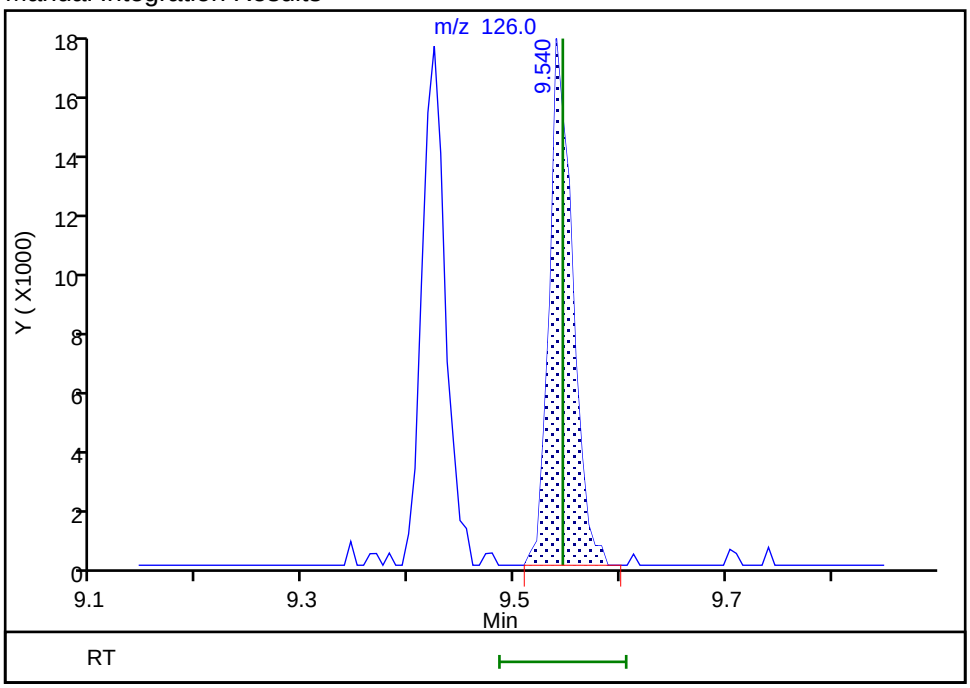
Processing Integration Results

RT: 9.42
Area: 26529
Amount: 1.978906
Amount Units: ug/L



Manual Integration Results

RT: 9.54
Area: 26458
Amount: 1.954133
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:42:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

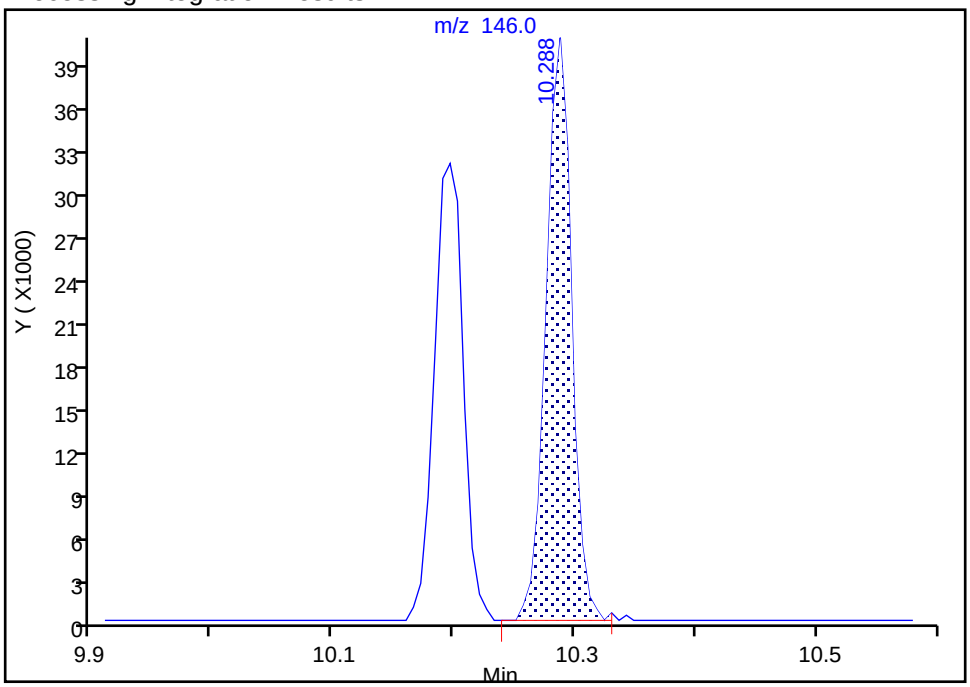
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

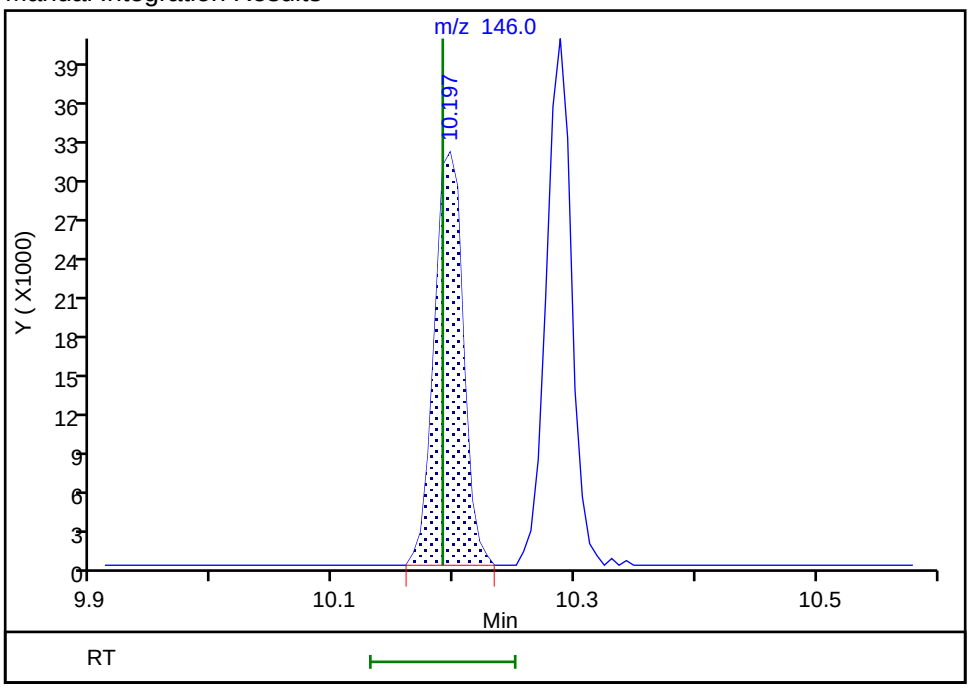
Processing Integration Results

RT: 10.29
Area: 60067
Amount: 2.061628
Amount Units: ug/L



Manual Integration Results

RT: 10.20
Area: 53629
Amount: 1.890188
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

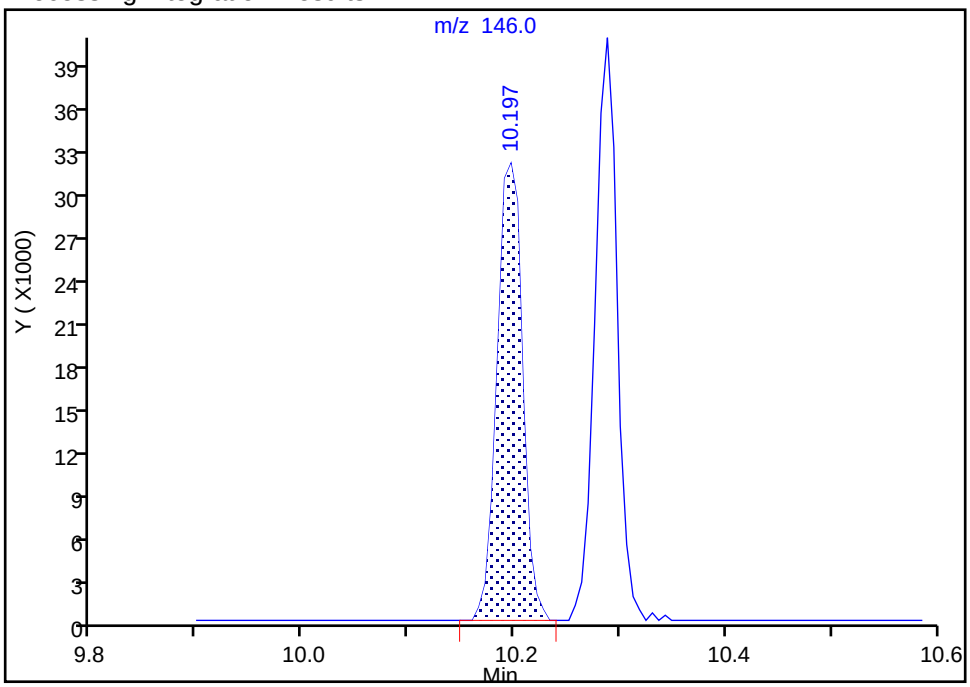
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8648.D				
Injection Date:	24-Feb-2022 20:01:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

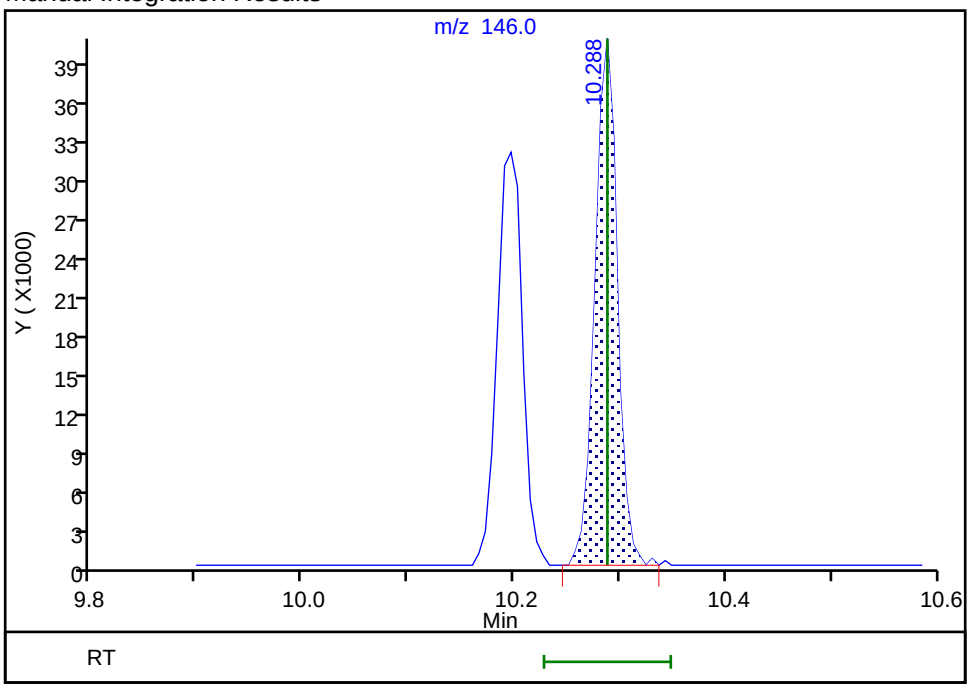
Processing Integration Results

RT: 10.20
Area: 53629
Amount: 1.845845
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 60067
Amount: 2.021279
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Feb-2022 20:24:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0104096-016
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:34:56 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 17:19:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	179500	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	85	359374	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	88	382621	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	56	260609	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	90	167589	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	92	936609	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	91	291185	25.0	24.1	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	93	74129	5.00	5.08	
12 Chloromethane	50	1.181	1.181	0.000	81	96027	5.00	5.20	
13 Vinyl chloride	62	1.254	1.254	0.000	68	83344	5.00	4.97	
151 Butadiene	54	1.272	1.272	0.000	64	78615	5.00	4.89	
14 Bromomethane	94	1.515	1.515	0.000	92	58547	5.00	4.99	
15 Chloroethane	64	1.576	1.576	0.000	94	59272	5.00	5.25	
17 Trichlorofluoromethane	101	1.765	1.759	0.006	60	111443	5.00	5.25	
16 Dichlorofluoromethane	67	1.771	1.771	0.000	95	130774	5.00	5.39	
18 Ethyl ether	59	1.996	1.996	0.000	91	78210	5.00	5.55	
20 Acrolein	56	2.166	2.166	0.000	88	50937	25.0	27.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.197	2.197	-0.001	69	55347	5.00	4.88	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	94	53939	5.00	4.88	
23 Acetone	43	2.312	2.312	0.000	94	178251	25.0	26.5	
25 Iodomethane	142	2.361	2.361	0.000	99	106339	5.00	5.08	
26 Carbon disulfide	76	2.385	2.385	0.000	98	171276	5.00	4.90	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	81	102171	5.00	4.86	
27 Methyl acetate	43	2.592	2.592	0.000	96	144543	10.0	10.5	
30 Methylene Chloride	84	2.677	2.677	0.000	96	80680	5.00	5.39	M
31 2-Methyl-2-propanol	59	2.866	2.860	0.006	47	61712	50.0	52.4	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	88	188547	5.00	5.09	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	78	61532	5.00	4.90	
33 Acrylonitrile	53	2.957	2.957	0.000	97	395585	50.0	54.9	
35 Hexane	57	3.079	3.079	0.000	93	91972	5.00	4.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	85	126037	5.00	5.14	
37 Vinyl acetate	43	3.358	3.359	-0.001	97	244597	10.0	9.85	
44 2,2-Dichloropropane	77	3.790	3.797	-0.007	71	34001	5.00	4.78	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	80	67826	5.00	5.01	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	221380	25.0	26.0	
48 Chlorobromomethane	128	4.070	4.064	0.006	91	39206	5.00	5.14	
49 Tetrahydrofuran	42	4.088	4.083	0.005	89	63289	10.0	10.9	
50 Chloroform	83	4.149	4.149	0.000	96	116473	5.00	5.00	
52 Cyclohexane	56	4.241	4.247	-0.006	94	105068	5.00	4.49	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	75	72569	5.00	4.67	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	80	53214	5.00	4.42	
54 1,1-Dichloropropene	75	4.399	4.393	0.006	86	82943	5.00	5.00	
57 Benzene	78	4.593	4.594	-0.001	81	260219	5.00	5.13	
53 Isobutyl alcohol	43	4.654	4.661	-0.007	60	57702	125.0	118.5	
58 1,2-Dichloroethane	62	4.666	4.667	-0.001	73	113638	5.00	5.23	
59 n-Heptane	43	4.782	4.782	0.000	93	91671	5.00	4.46	
62 Trichloroethene	95	5.202	5.202	0.000	88	62990	5.00	4.99	
64 Methylcyclohexane	83	5.305	5.305	0.000	94	92505	5.00	4.49	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	86	66799	5.00	5.22	
67 Dibromomethane	93	5.579	5.573	0.006	87	45647	5.00	5.38	
66 1,4-Dioxane	88	5.591	5.591	0.000	47	19117	100.0	107.2	
68 Dichlorobromomethane	83	5.731	5.731	0.000	94	68990	5.00	4.79	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	87	35577	5.00	5.10	
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	81	74630	5.00	5.01	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	418677	25.0	25.0	
74 Toluene	92	6.425	6.425	0.000	79	151804	5.00	4.72	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	94	50757	5.00	4.53	
75 Ethyl methacrylate	69	6.777	6.778	-0.001	73	47837	5.00	4.32	
79 1,1,2-Trichloroethane	83	6.905	6.899	0.006	92	45083	5.00	4.85	
81 Tetrachloroethene	166	6.942	6.942	0.000	83	66775	5.00	4.52	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	97	101428	5.00	5.10	
80 2-Hexanone	43	7.142	7.137	0.005	98	247003	25.0	23.4	
83 Chlorodibromomethane	129	7.288	7.289	-0.001	78	47584	5.00	4.78	
84 Ethylene Dibromide	107	7.380	7.380	0.000	92	44893	5.00	4.45	
87 Chlorobenzene	112	7.848	7.854	-0.006	93	179324	5.00	4.84	
88 Ethylbenzene	91	7.952	7.952	0.000	98	266594	5.00	4.70	
89 1,1,1,2-Tetrachloroethane	131	7.952	7.958	-0.006	36	42900	5.00	4.46	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	99	101159	5.00	4.56	
91 o-Xylene	106	8.493	8.493	0.000	97	105514	5.00	4.73	
92 Styrene	104	8.529	8.530	-0.001	89	169402	5.00	4.76	
95 Bromoform	173	8.767	8.767	0.000	90	28216	5.00	4.52	
94 Isopropylbenzene	105	8.876	8.876	0.000	95	271453	5.00	4.58	
101 Bromobenzene	156	9.223	9.223	0.000	92	79104	5.00	4.92	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.314	-0.006	83	78063	5.00	5.14	
99 N-Propylbenzene	91	9.326	9.321	0.005	97	298911	5.00	4.57	
100 1,2,3-Trichloropropane	110	9.339	9.333	0.006	78	29210	5.00	5.27	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	1	23767	5.00	4.67	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	71800	5.00	5.03	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	91	235064	5.00	4.74	
105 4-Chlorotoluene	126	9.539	9.546	-0.007	97	72319	5.00	4.92	a
106 tert-Butylbenzene	134	9.850	9.844	0.006	90	52787	5.00	4.60	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	48	239352	5.00	4.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	285964	5.00	4.50	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	98	158046	5.00	5.13	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	96	253008	5.00	4.56	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	94	156673	5.00	4.85	a
115 n-Butylbenzene	91	10.610	10.610	0.000	97	216787	5.00	4.61	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	97	154720	5.00	5.08	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	53	9124	5.00	4.35	M
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	91	115916	5.00	5.13	
120 Hexachlorobutadiene	225	12.186	12.192	-0.006	91	48210	5.00	4.62	
121 Naphthalene	128	12.289	12.283	0.006	96	270204	5.00	4.68	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	94	114131	5.00	5.03	
S 126 1,3-Dichloropropene, Total	1				0			9.54	
S 125 1,2-Dichloroethene, Total	1				0			9.91	
S 123 Total BTEX	1				0			23.8	
S 124 Xylenes, Total	1				0			9.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added:	5.00	Units: uL	
8260 CORP mix_00220	Amount Added:	5.00	Units: uL	
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:34:58 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D

Injection Date: 24-Feb-2022 20:24:30 Instrument ID: HP5973S Operator ID: AG/LH

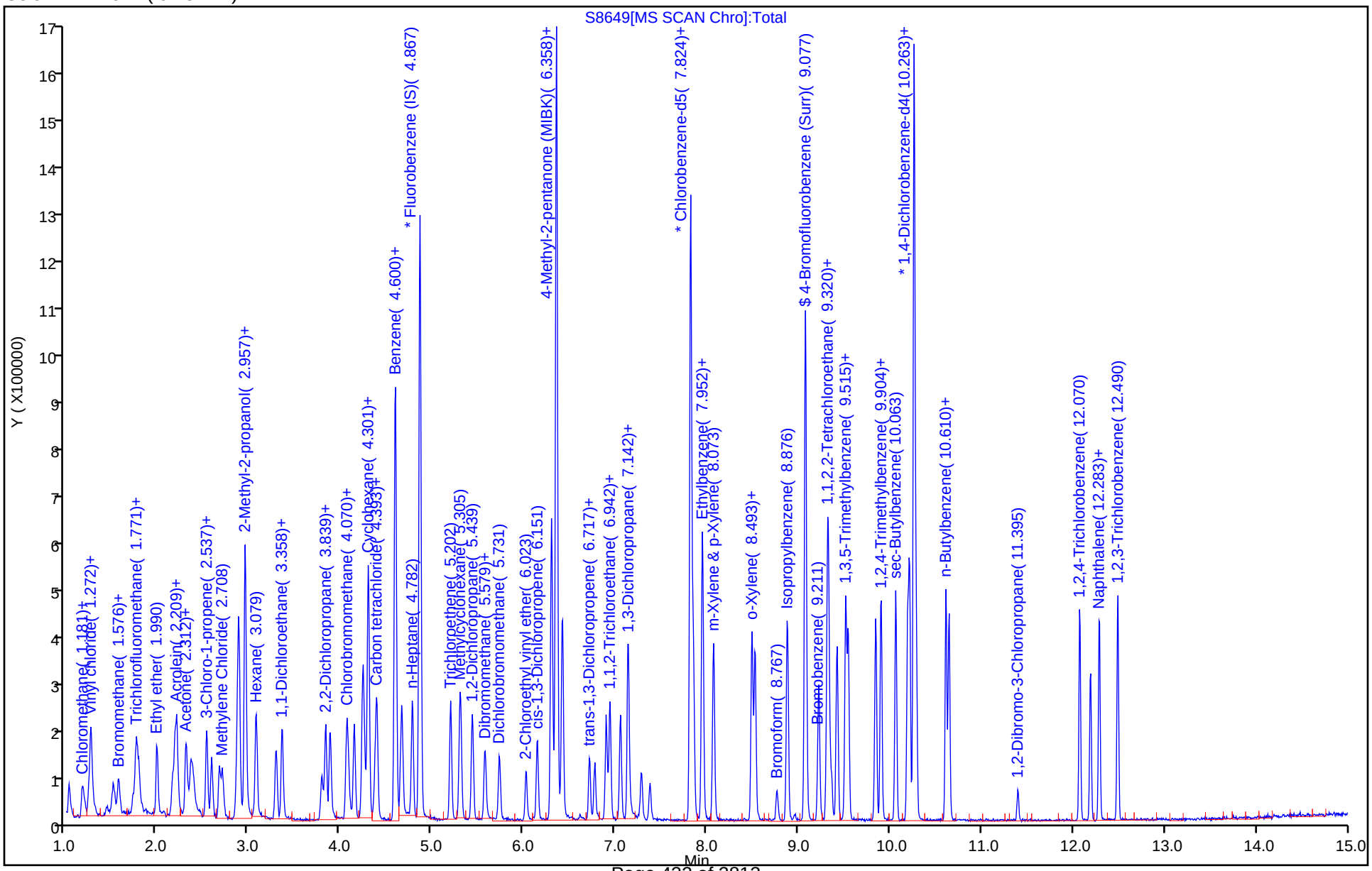
Lims ID: IC 3 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

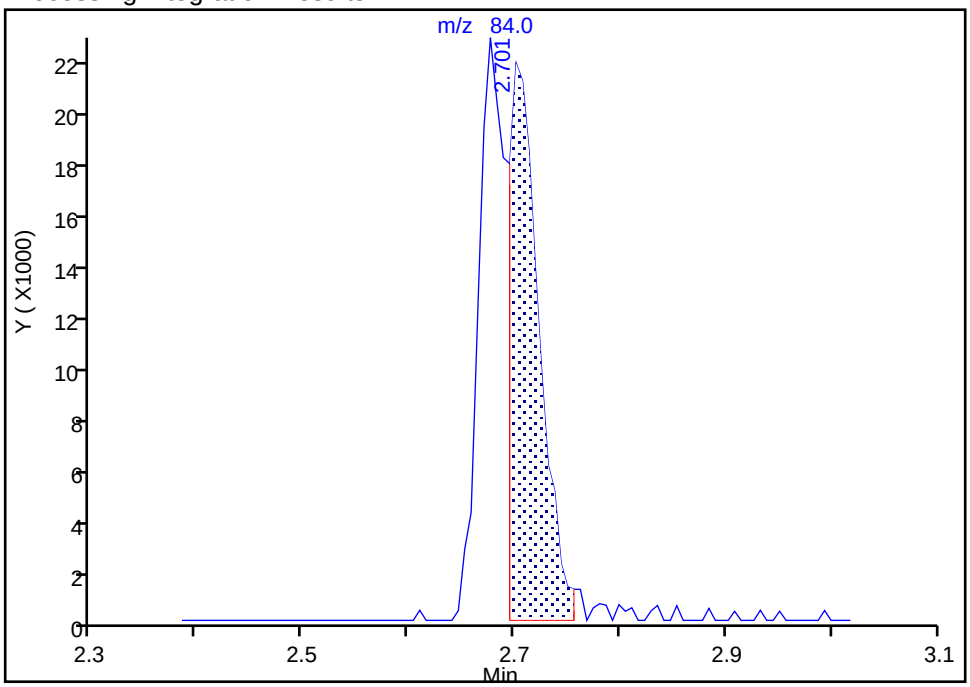
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

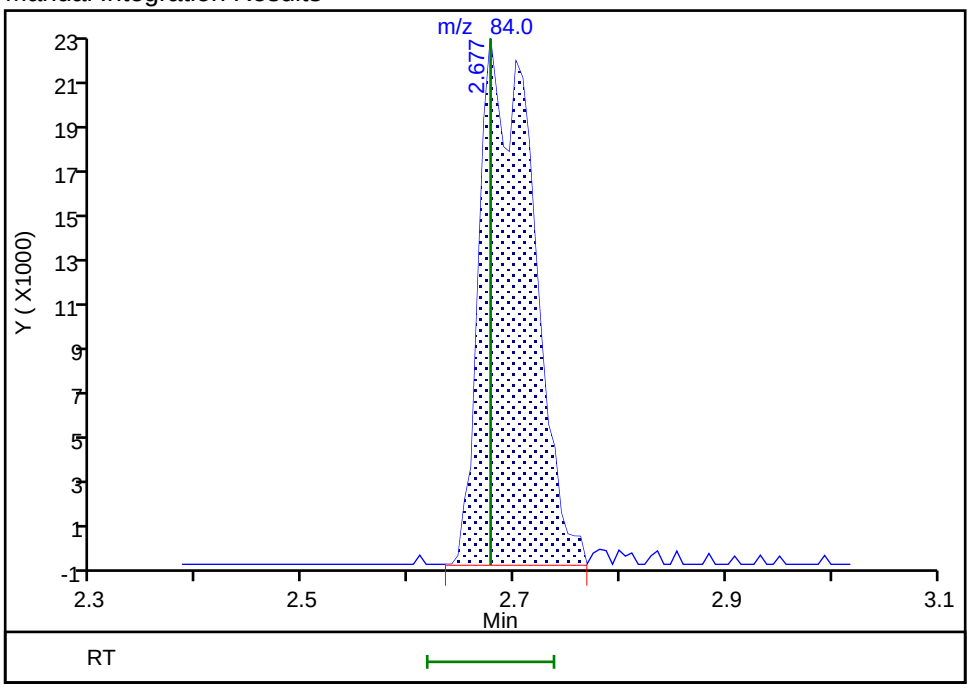
Processing Integration Results

RT: 2.70
Area: 43388
Amount: 5.199071
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 80680
Amount: 5.392105
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:42:20

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

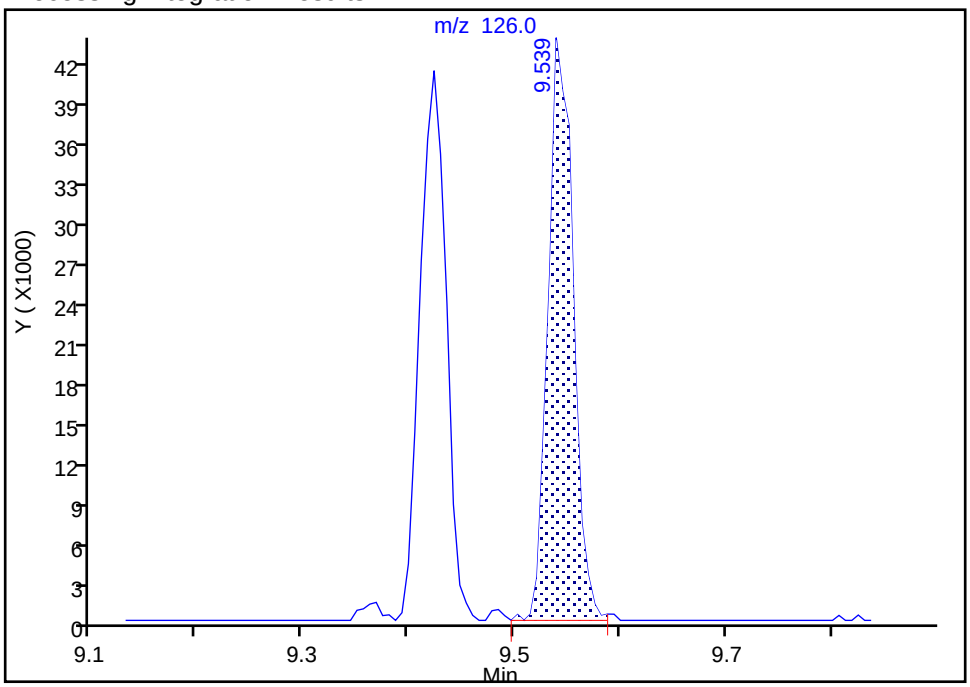
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

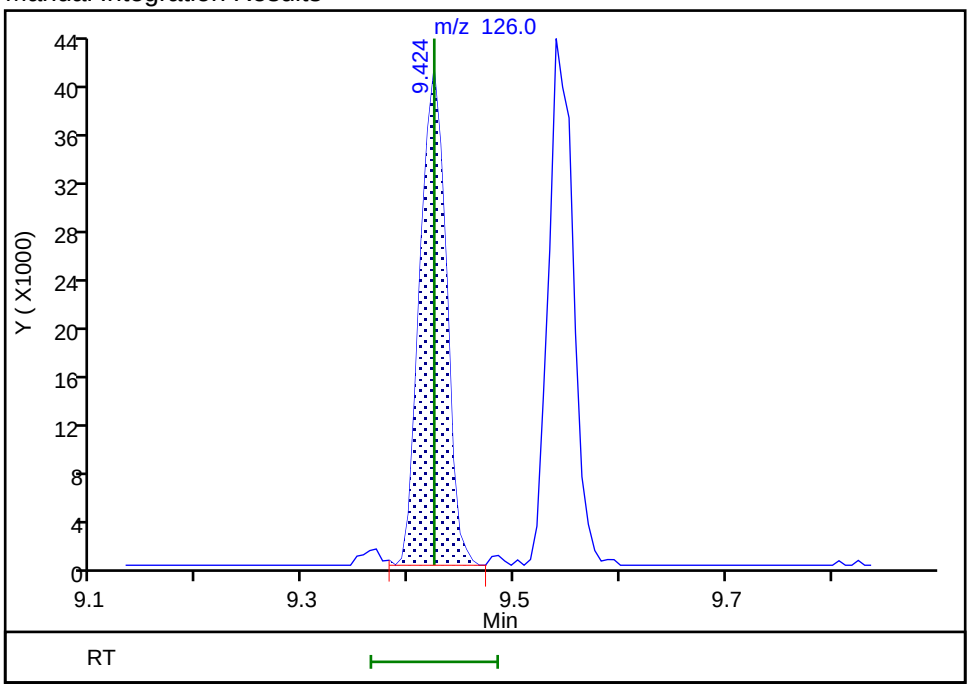
Processing Integration Results

RT: 9.54
Area: 72319
Amount: 5.015616
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 71800
Amount: 5.031984
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

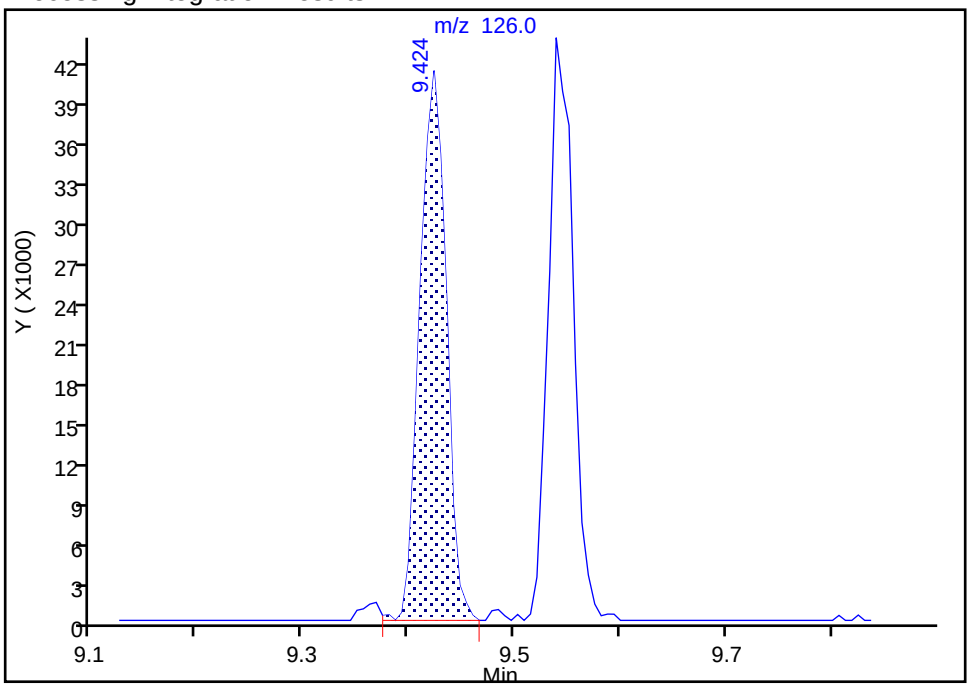
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

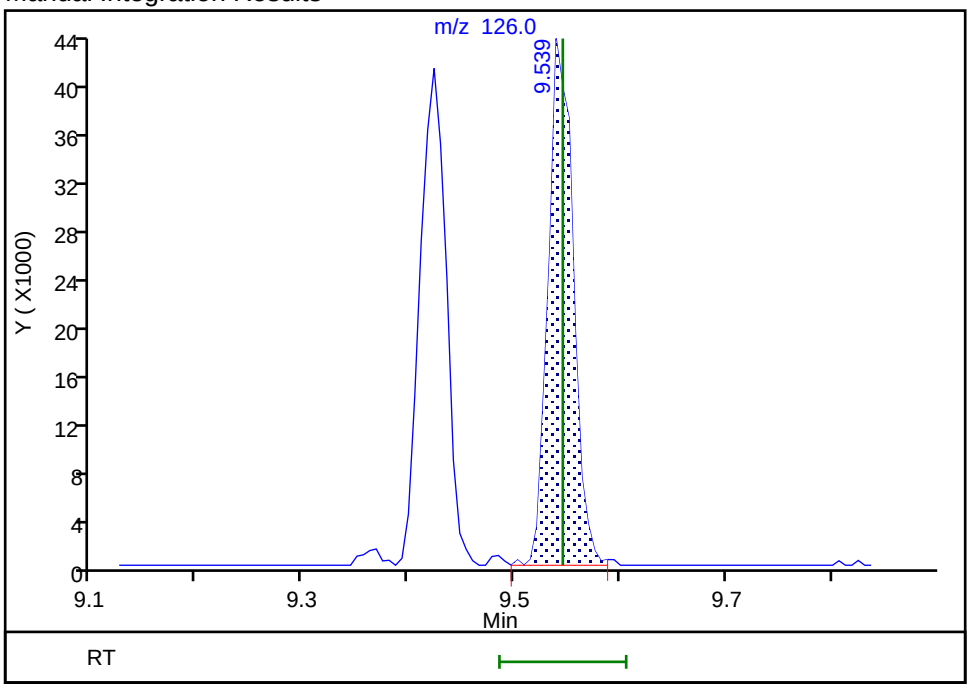
Processing Integration Results

RT: 9.42
Area: 71931
Amount: 4.942308
Amount Units: ug/L



Manual Integration Results

RT: 9.54
Area: 72319
Amount: 4.918070
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

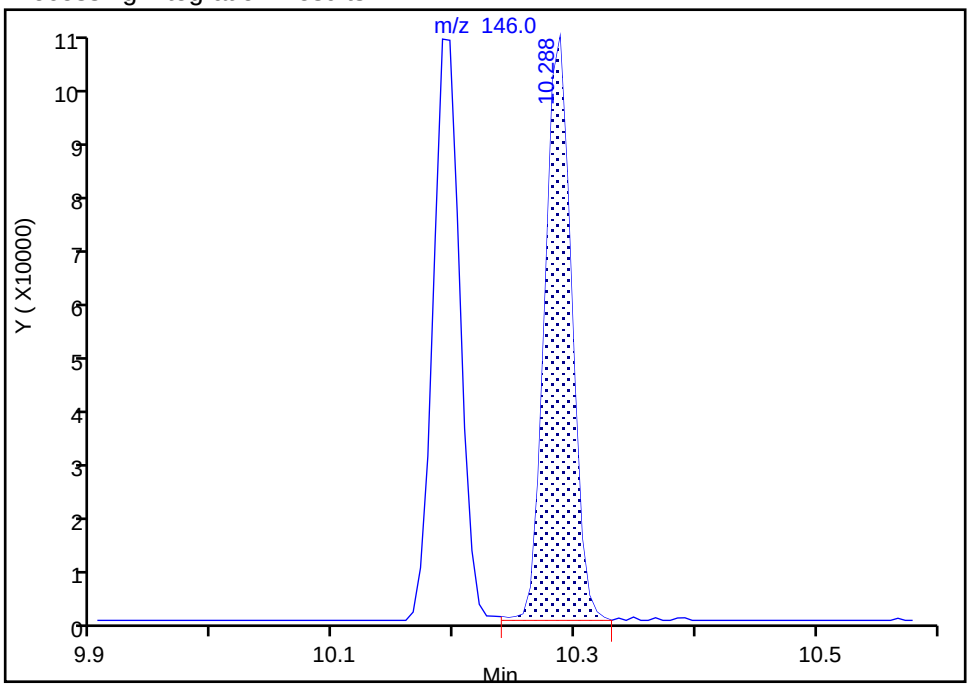
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

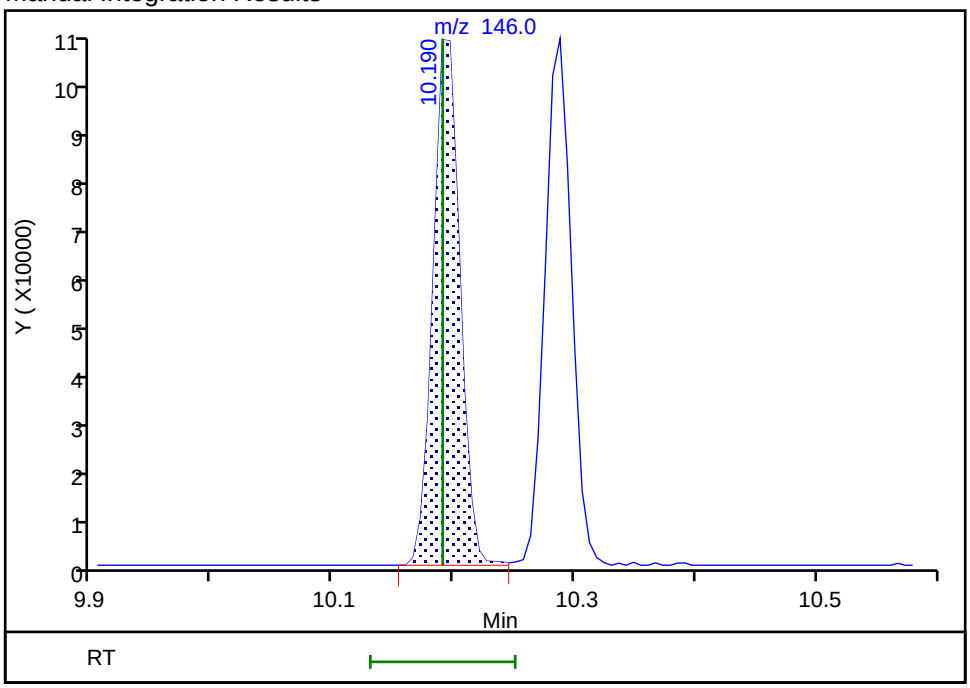
Processing Integration Results

RT: 10.29
Area: 156673
Amount: 5.030635
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 158046
Amount: 5.129014
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

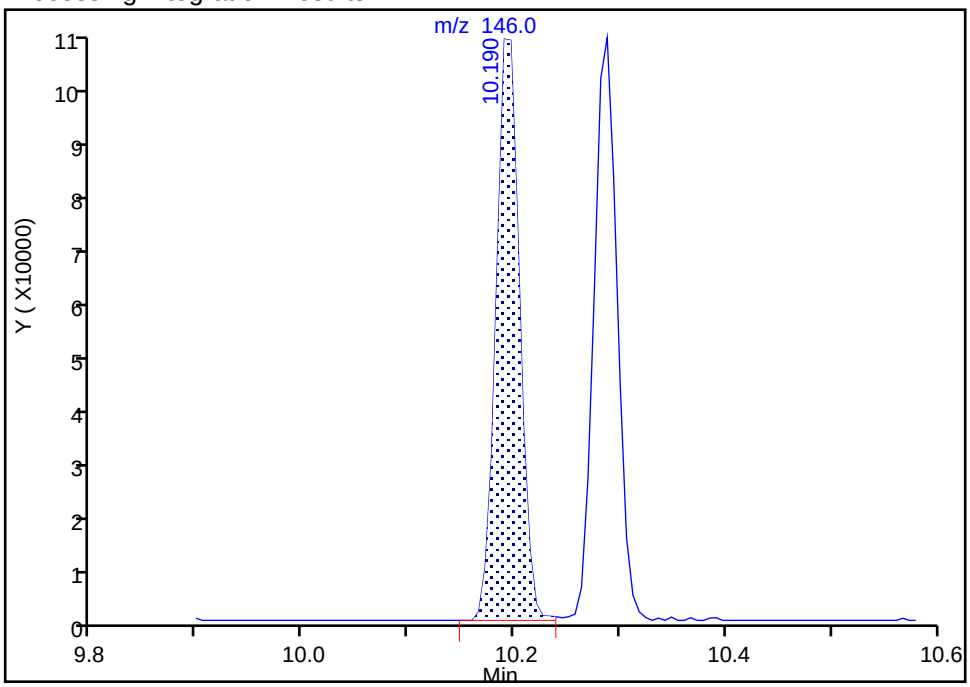
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

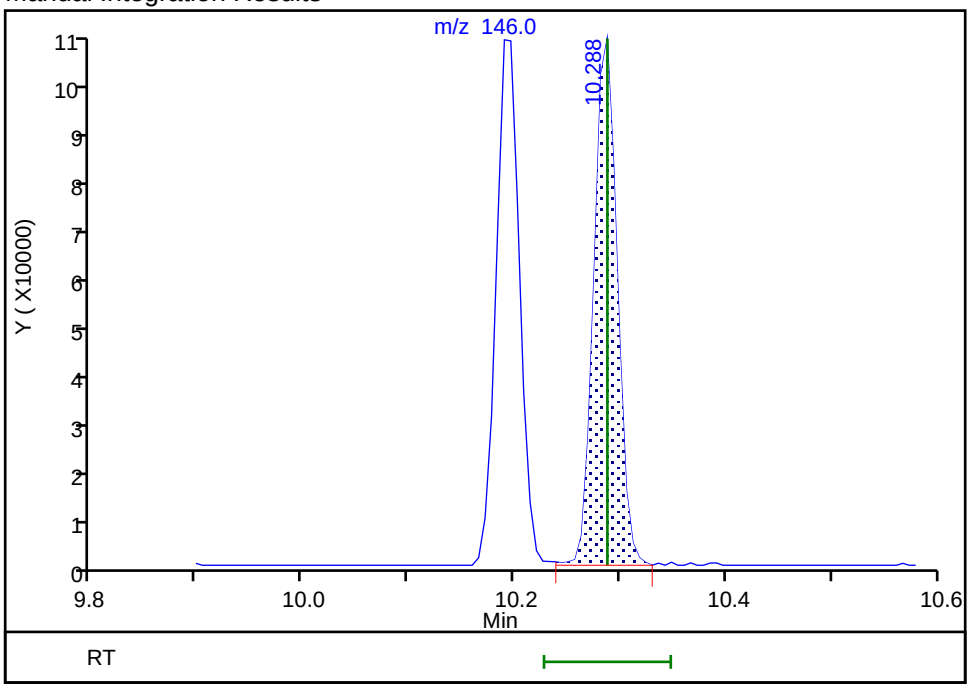
Processing Integration Results

RT: 10.19
Area: 157881
Amount: 4.935113
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 156673
Amount: 4.854332
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

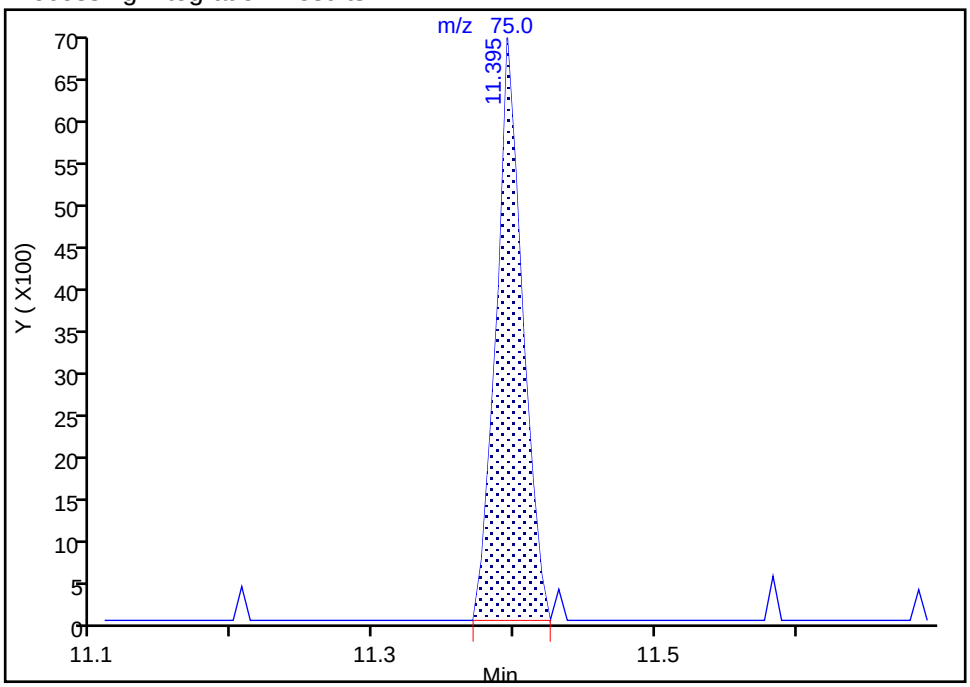
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8649.D				
Injection Date:	24-Feb-2022 20:24:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

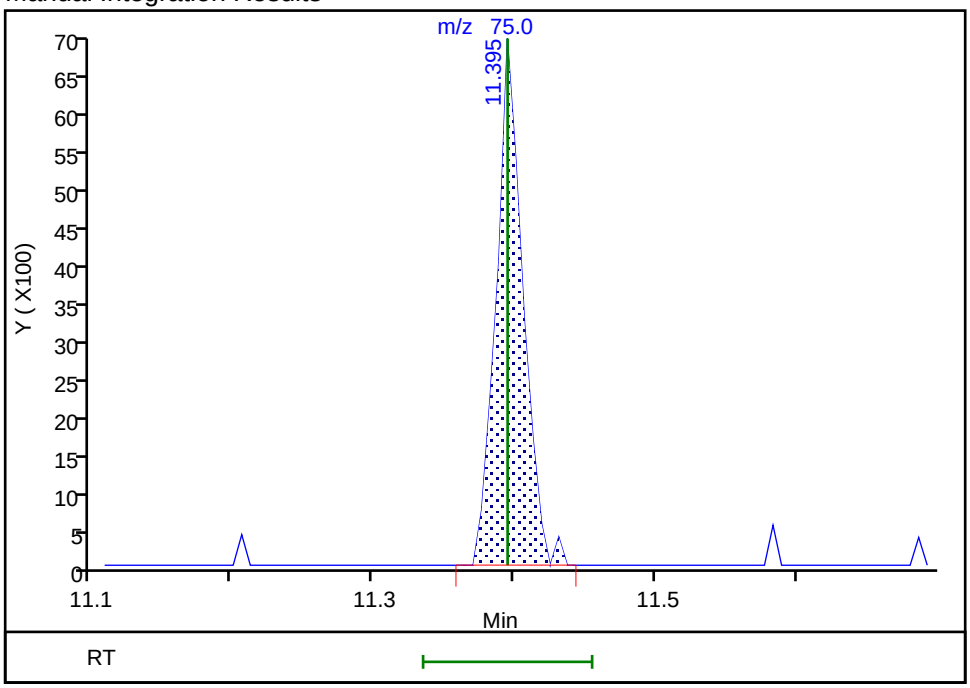
Processing Integration Results

RT: 11.39
Area: 8999
Amount: 4.090460
Amount Units: ug/L



Manual Integration Results

RT: 11.39
Area: 9124
Amount: 4.354593
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 17:19:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Feb-2022 20:47:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0104096-017
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:35:01 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:45:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	181151	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	351822	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	83	374074	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	56	261397	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.599	4.600	-0.001	77	165874	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	91	939925	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	93	297487	25.0	25.2	
10 Dichlorodifluoromethane	85	1.028	1.035	-0.007	86	145297	10.0	9.87	
12 Chloromethane	50	1.180	1.181	-0.001	89	192980	10.0	10.4	
13 Vinyl chloride	62	1.247	1.254	-0.007	70	169985	10.0	10.0	
151 Butadiene	54	1.266	1.272	-0.006	72	155784	10.0	9.61	
14 Bromomethane	94	1.509	1.515	-0.006	91	110272	10.0	9.31	
15 Chloroethane	64	1.570	1.576	-0.006	95	115762	10.0	10.2	
17 Trichlorofluoromethane	101	1.765	1.759	0.005	68	207040	10.0	9.66	
16 Dichlorofluoromethane	67	1.765	1.771	-0.007	95	239521	10.0	9.78	
18 Ethyl ether	59	1.996	1.996	0.000	94	141904	10.0	9.97	
20 Acrolein	56	2.160	2.166	-0.006	97	94972	50.0	51.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.196	2.197	-0.001	69	124578	10.0	10.9	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	85	117858	10.0	10.6	
23 Acetone	43	2.312	2.312	0.000	96	338228	50.0	49.9	
25 Iodomethane	142	2.361	2.361	0.000	98	223526	10.0	10.6	
26 Carbon disulfide	76	2.385	2.385	0.000	99	369251	10.0	10.5	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	83	221814	10.0	10.5	
27 Methyl acetate	43	2.592	2.592	0.000	96	282131	20.0	20.3	
30 Methylene Chloride	84	2.677	2.677	0.000	93	148354	10.0	10.5	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	60	109353	100.0	92.1	M
32 Methyl tert-butyl ether	73	2.878	2.884	-0.006	90	386084	10.0	10.3	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	86	135290	10.0	10.7	
33 Acrylonitrile	53	2.957	2.957	0.000	97	754932	100.0	103.8	
35 Hexane	57	3.079	3.079	0.000	95	200719	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.291	3.298	-0.007	86	253398	10.0	10.2	
37 Vinyl acetate	43	3.358	3.359	-0.001	97	509578	20.0	20.3	
44 2,2-Dichloropropane	77	3.803	3.797	0.005	77	76772	10.0	10.7	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	68	147253	10.0	10.8	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	428659	50.0	49.9	
48 Chlorobromomethane	128	4.064	4.064	0.000	92	79363	10.0	10.3	
49 Tetrahydrofuran	42	4.082	4.083	-0.001	89	111394	20.0	19.0	
50 Chloroform	83	4.149	4.149	0.000	82	245562	10.0	10.4	
52 Cyclohexane	56	4.247	4.247	0.000	90	251648	10.0	10.6	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	67	158048	10.0	10.1	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	80	118266	10.0	9.74	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	87	173060	10.0	10.3	
57 Benzene	78	4.593	4.594	-0.001	94	537697	10.0	10.5	
53 Isobutyl alcohol	43	4.660	4.661	-0.001	42	118753	250.0	241.6	
58 1,2-Dichloroethane	62	4.666	4.667	-0.001	74	224539	10.0	10.2	
59 n-Heptane	43	4.782	4.782	0.000	93	221946	10.0	10.7	
62 Trichloroethene	95	5.202	5.202	0.000	89	135384	10.0	10.6	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	224009	10.0	10.8	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	82	125719	10.0	9.73	
67 Dibromomethane	93	5.573	5.573	0.000	94	87469	10.0	10.2	
66 1,4-Dioxane	88	5.591	5.591	0.000	57	40968	200.0	234.7	M
68 Dichlorobromomethane	83	5.731	5.731	0.000	89	143562	10.0	9.88	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	91	75835	10.0	10.8	
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	87	150210	10.0	10.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	855605	50.0	52.1	
74 Toluene	92	6.425	6.425	0.000	87	321951	10.0	10.2	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	94	112554	10.0	10.3	
75 Ethyl methacrylate	69	6.777	6.778	-0.001	71	106303	10.0	8.95	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	95	93994	10.0	10.3	
81 Tetrachloroethene	166	6.942	6.942	0.000	85	147764	10.0	10.2	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	97	194990	10.0	10.0	
80 2-Hexanone	43	7.136	7.137	-0.001	98	522687	50.0	50.6	
83 Chlorodibromomethane	129	7.282	7.289	-0.007	87	90391	10.0	9.27	
84 Ethylene Dibromide	107	7.380	7.380	0.000	96	97181	10.0	9.84	
87 Chlorobenzene	112	7.854	7.854	0.000	92	366849	10.0	10.1	
88 Ethylbenzene	91	7.951	7.952	-0.001	98	560390	10.0	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	44	93120	10.0	9.88	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	97	230065	10.0	10.6	
91 o-Xylene	106	8.493	8.493	0.000	97	230281	10.0	10.5	
92 Styrene	104	8.529	8.530	-0.001	90	353951	10.0	10.2	
95 Bromoform	173	8.767	8.767	0.000	91	60344	10.0	9.87	
94 Isopropylbenzene	105	8.882	8.876	0.006	96	605065	10.0	10.4	
101 Bromobenzene	156	9.223	9.223	0.000	91	159199	10.0	10.1	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.314	-0.006	71	152231	10.0	10.2	
99 N-Propylbenzene	91	9.326	9.321	0.005	97	666266	10.0	10.4	
100 1,2,3-Trichloropropane	110	9.332	9.333	-0.001	57	54901	10.0	10.1	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	65	48700	10.0	9.79	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	146634	10.0	10.5	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	93	508100	10.0	10.5	
105 4-Chlorotoluene	126	9.545	9.546	-0.001	97	150031	10.0	10.4	a
106 tert-Butylbenzene	134	9.843	9.844	-0.001	87	113681	10.0	10.1	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	66	524241	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.062	10.063	-0.001	94	655391	10.0	10.6	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	98	312517	10.0	10.4	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	574742	10.0	10.6	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	324897	10.0	10.3	a
115 n-Butylbenzene	91	10.610	10.610	0.000	95	480355	10.0	10.4	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	96	313939	10.0	10.5	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	62	19822	10.0	9.68	M
119 1,2,4-Trichlorobenzene	180	12.070	12.070	0.000	93	225892	10.0	10.2	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	92	106252	10.0	10.4	
121 Naphthalene	128	12.283	12.283	0.000	97	583840	10.0	10.3	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	93	233019	10.0	10.5	
S 126 1,3-Dichloropropene, Total	1				0			20.3	
S 125 1,2-Dichloroethene, Total	1				0			21.5	
S 123 Total BTEX	1				0			52.0	
S 124 Xylenes, Total	1				0			21.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added:	5.00	Units: uL	
8260 CORP mix_00220	Amount Added:	5.00	Units: uL	
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:35:03 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D

Injection Date: 24-Feb-2022 20:47:30 Instrument ID: HP5973S Operator ID: AG/LH

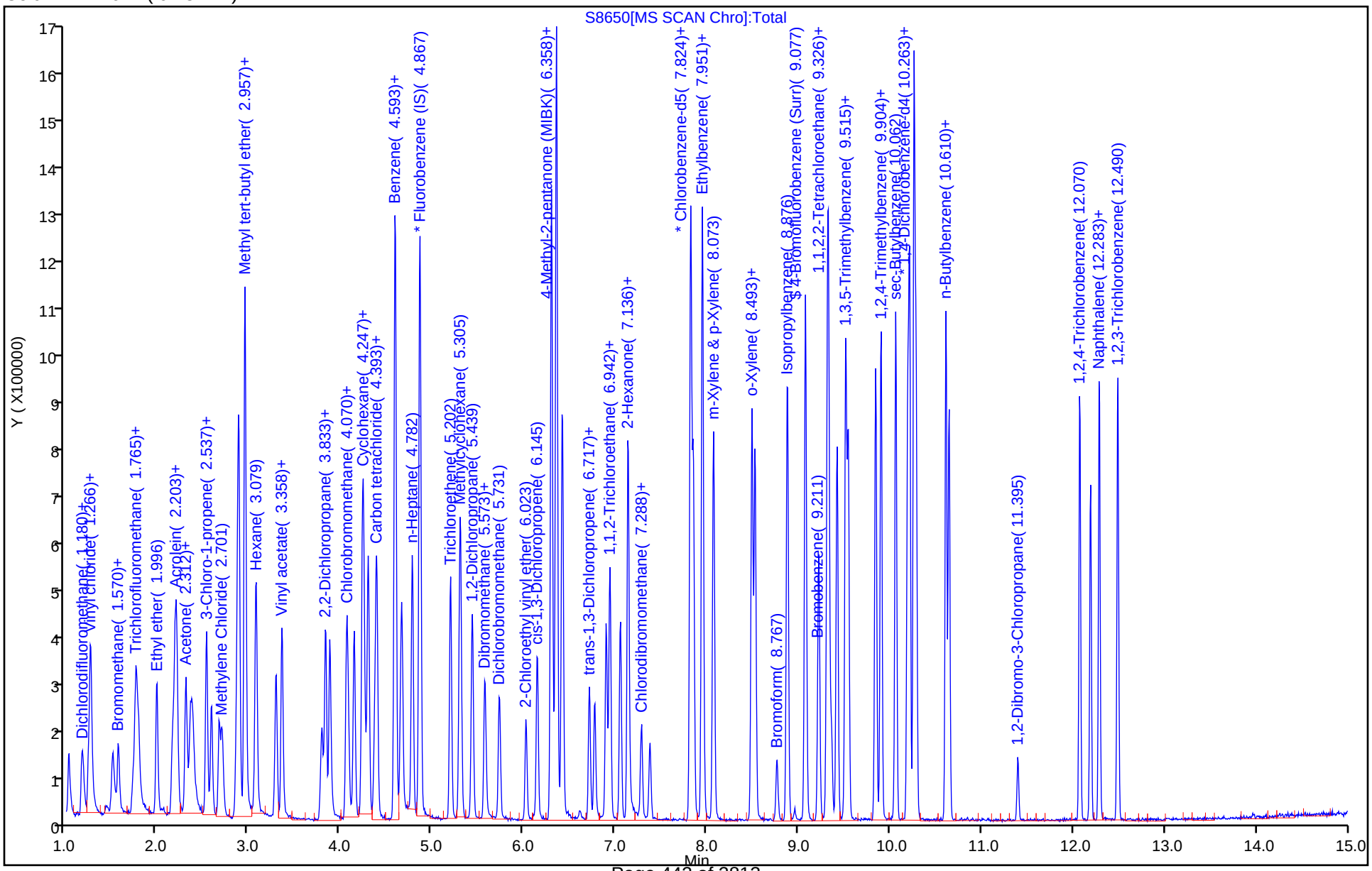
Lims ID: IC 4 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

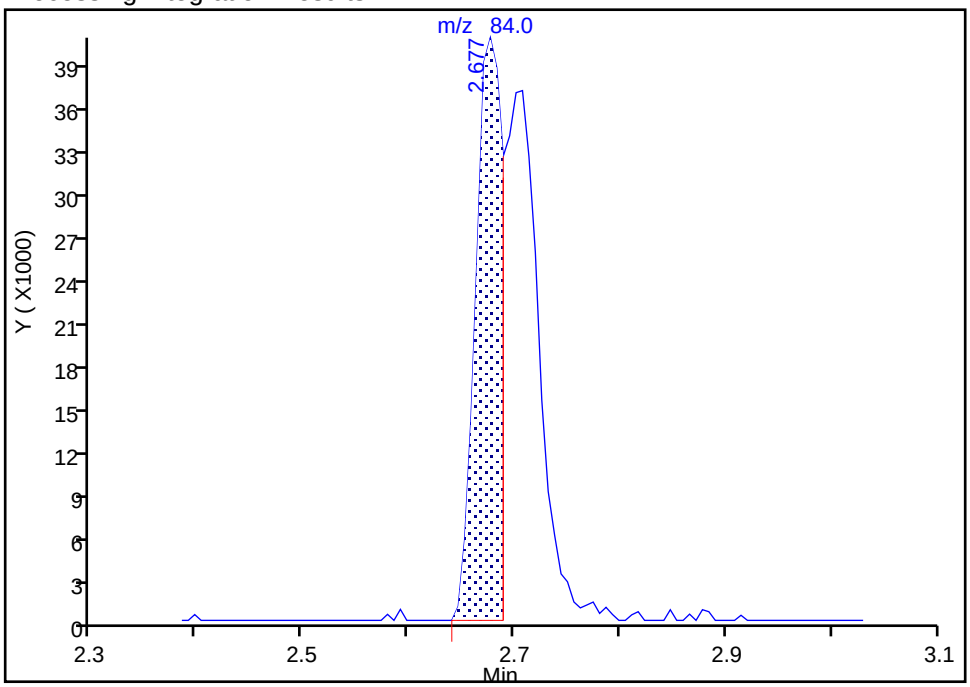
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

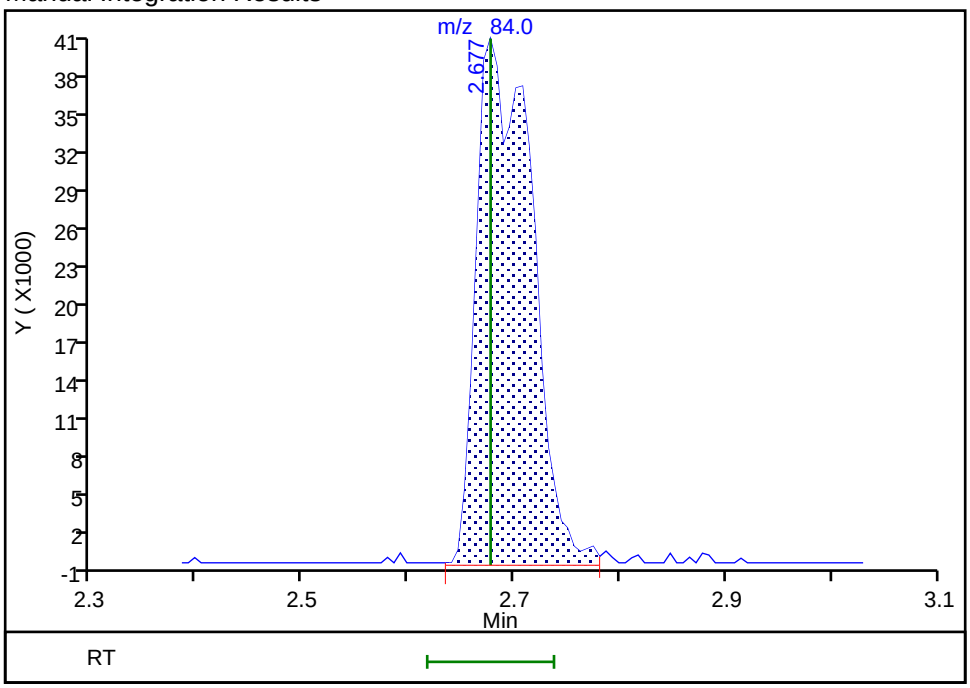
Processing Integration Results

RT: 2.68
Area: 71657
Amount: 10.096463
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 148354
Amount: 10.534817
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:43:40

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

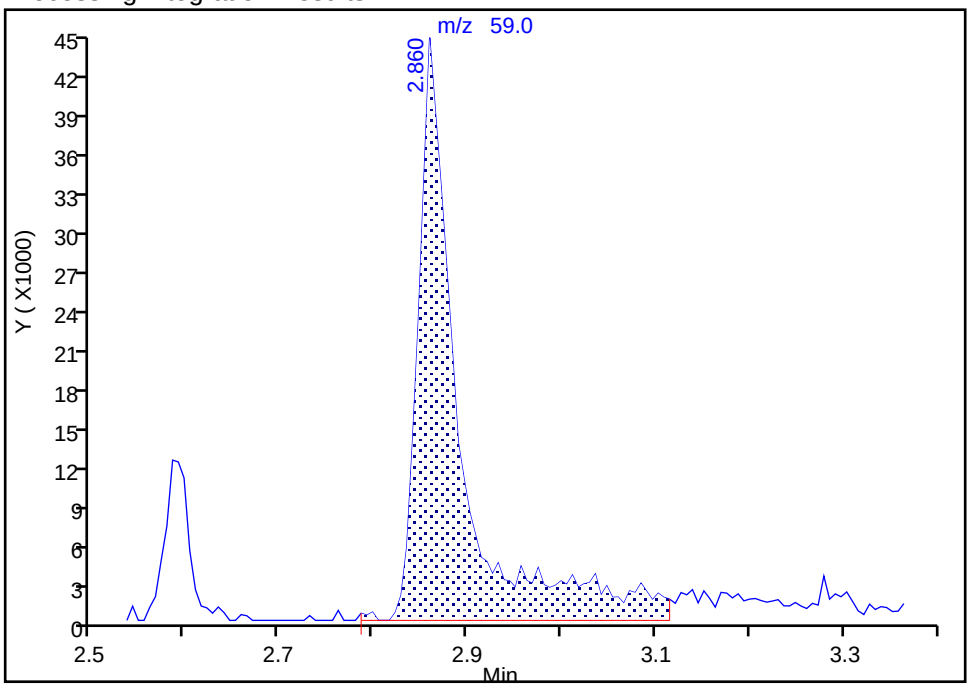
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

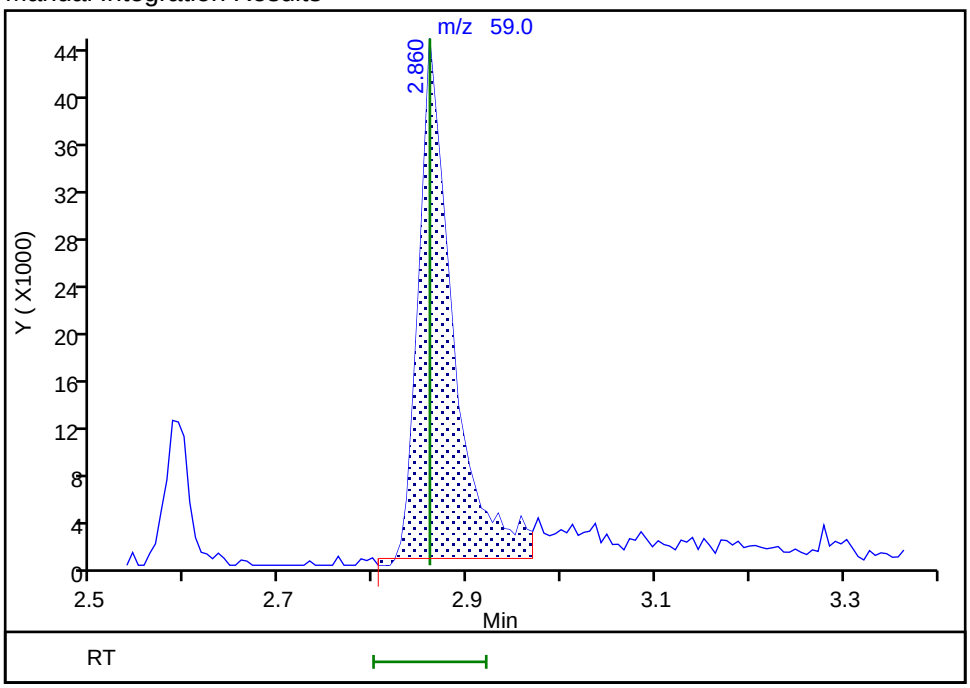
Processing Integration Results

RT: 2.86
Area: 137064
Amount: 111.0699
Amount Units: ug/L



Manual Integration Results

RT: 2.86
Area: 109353
Amount: 92.059746
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 15:56:57

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

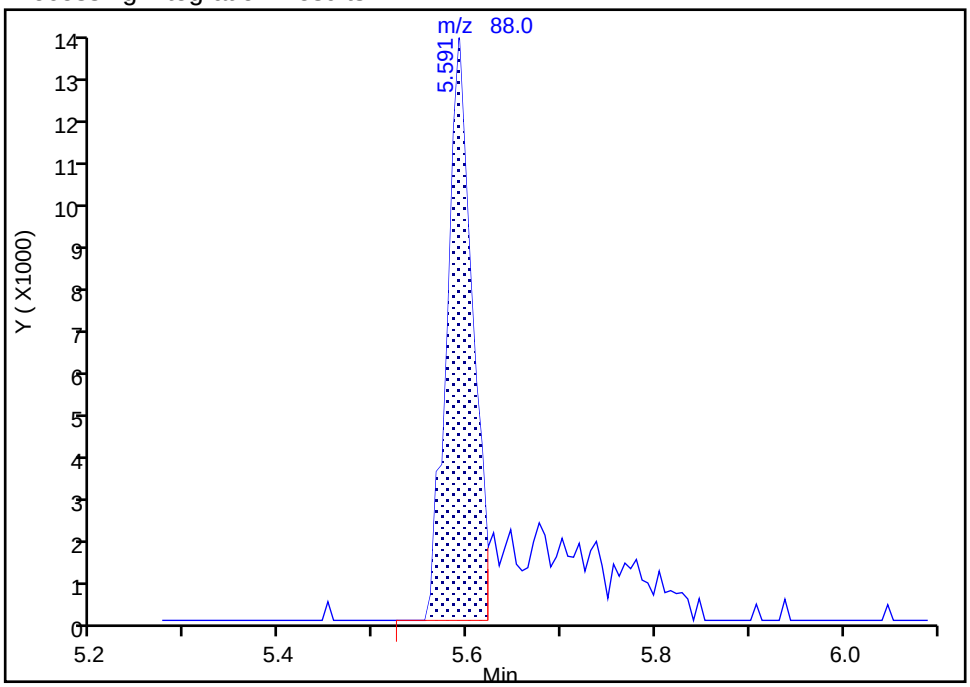
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

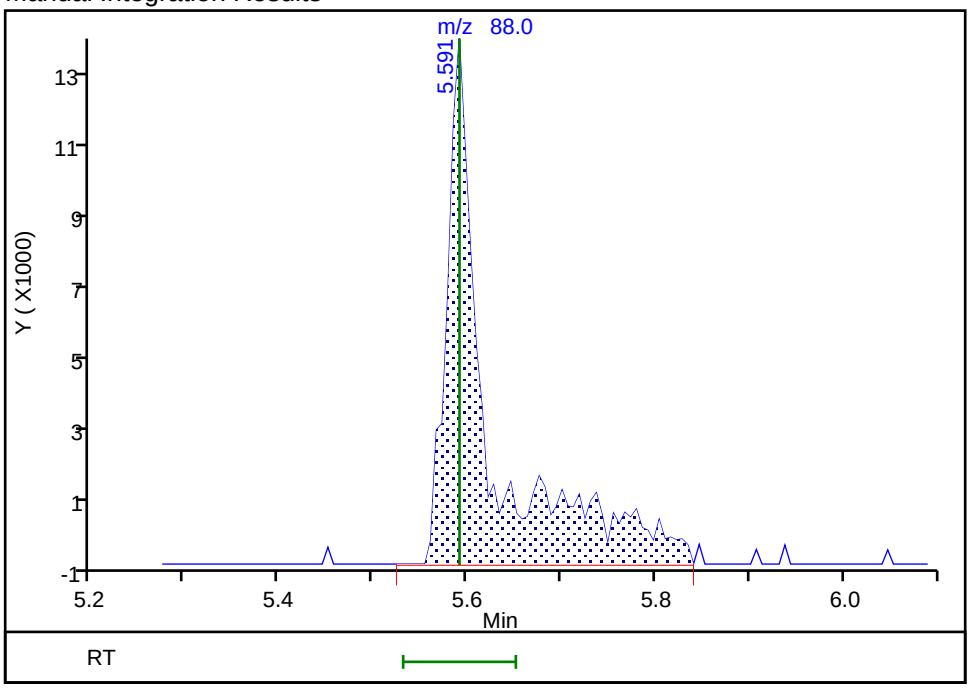
Processing Integration Results

RT: 5.59
Area: 24423
Amount: 148.7465
Amount Units: ug/L



Manual Integration Results

RT: 5.59
Area: 40968
Amount: 234.7296
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:44:47

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

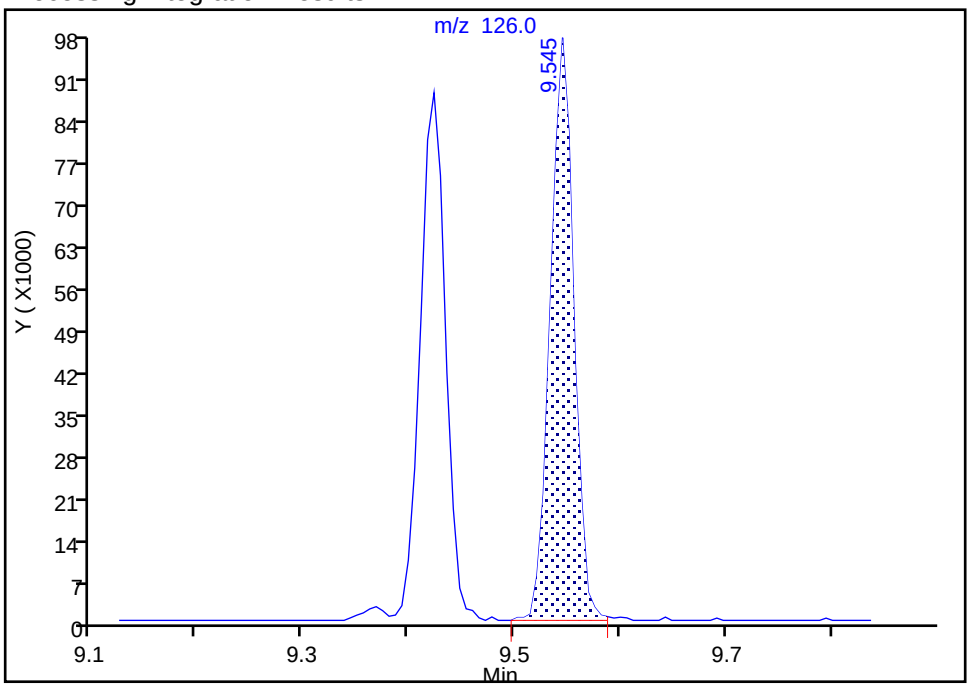
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

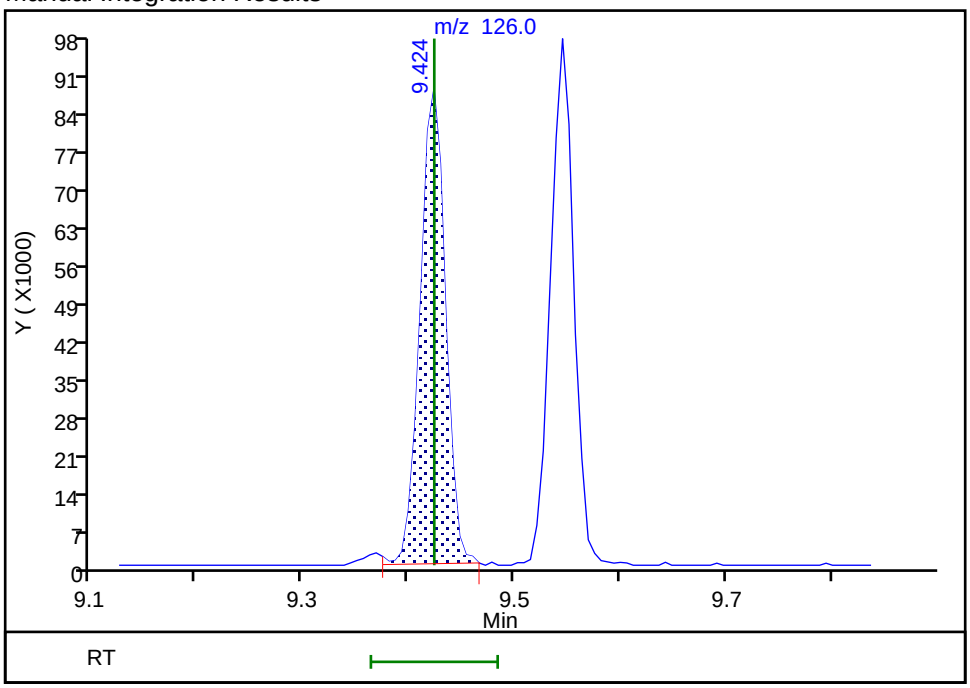
Processing Integration Results

RT: 9.55
Area: 150031
Amount: 10.652588
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 146634
Amount: 10.511405
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

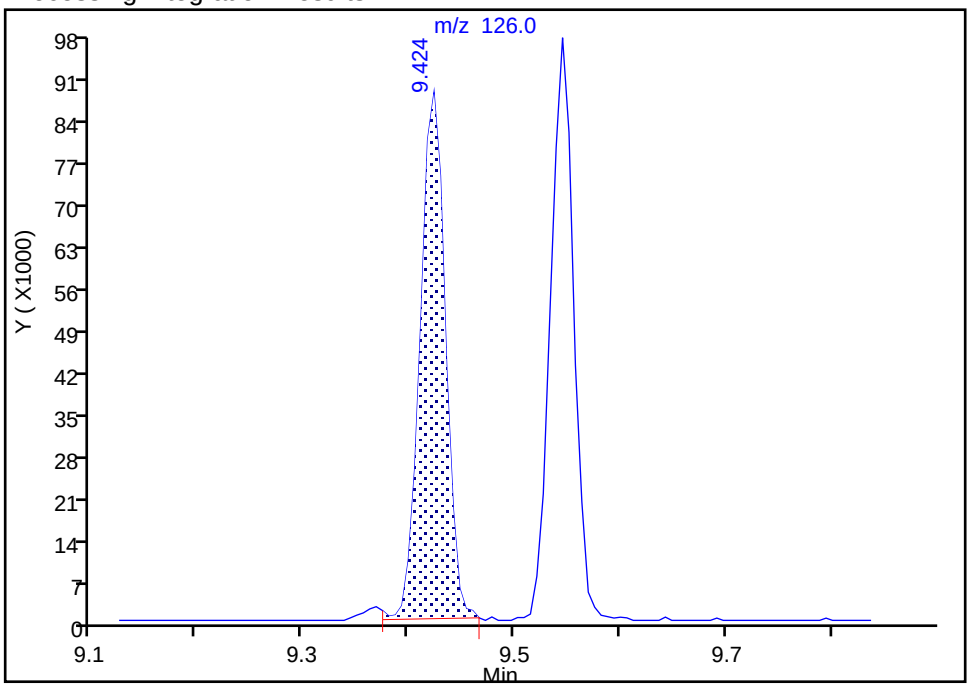
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

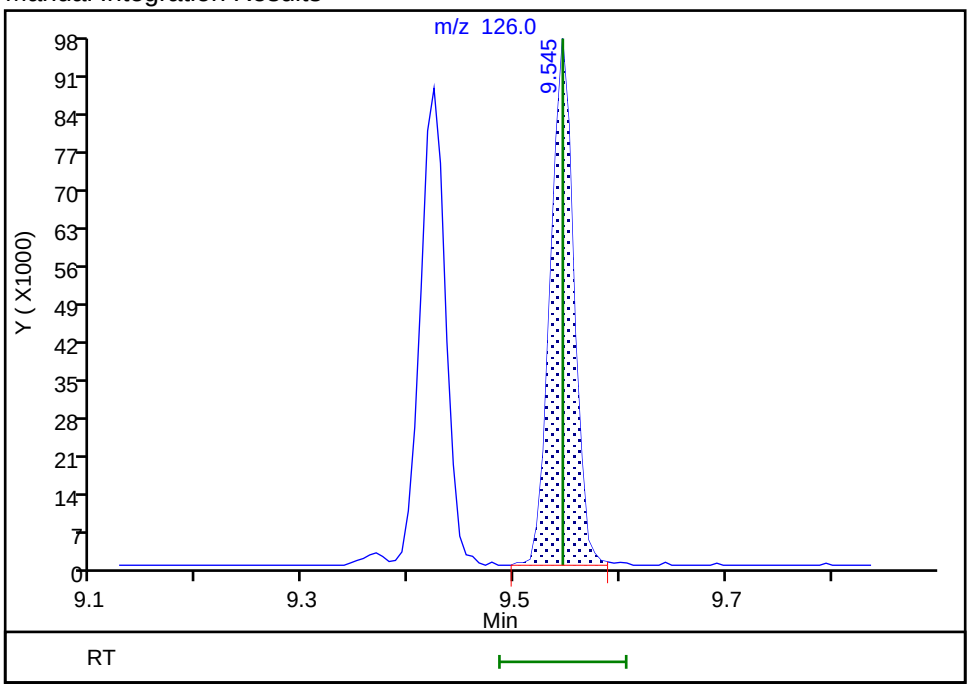
Processing Integration Results

RT: 9.42
Area: 146634
Amount: 10.297433
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 150031
Amount: 10.436012
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

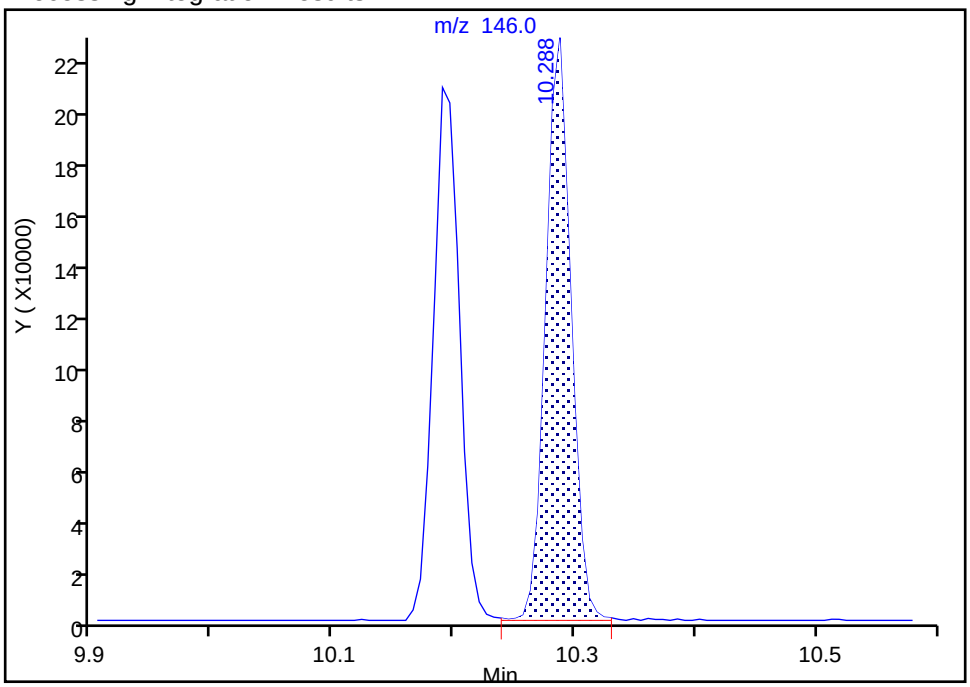
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

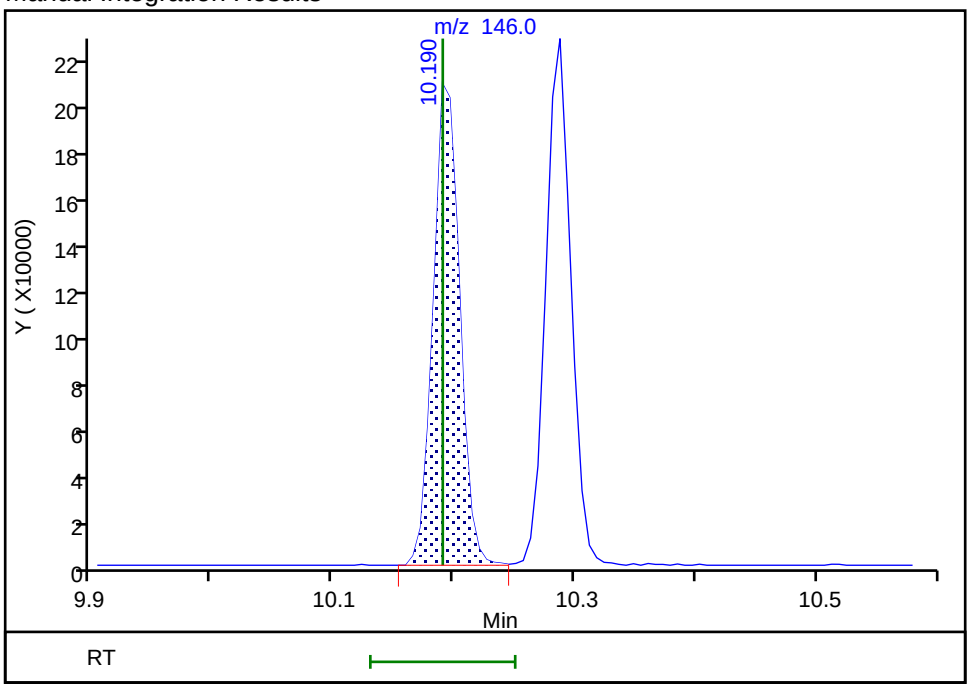
Processing Integration Results

RT: 10.29
Area: 325076
Amount: 10.662970
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 312517
Amount: 10.373738
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

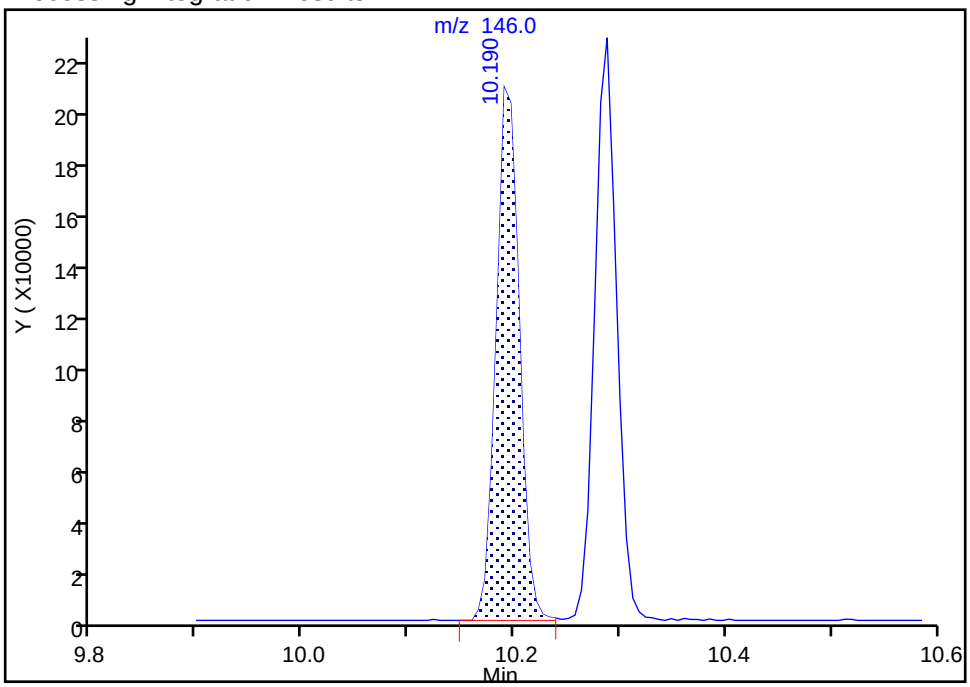
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

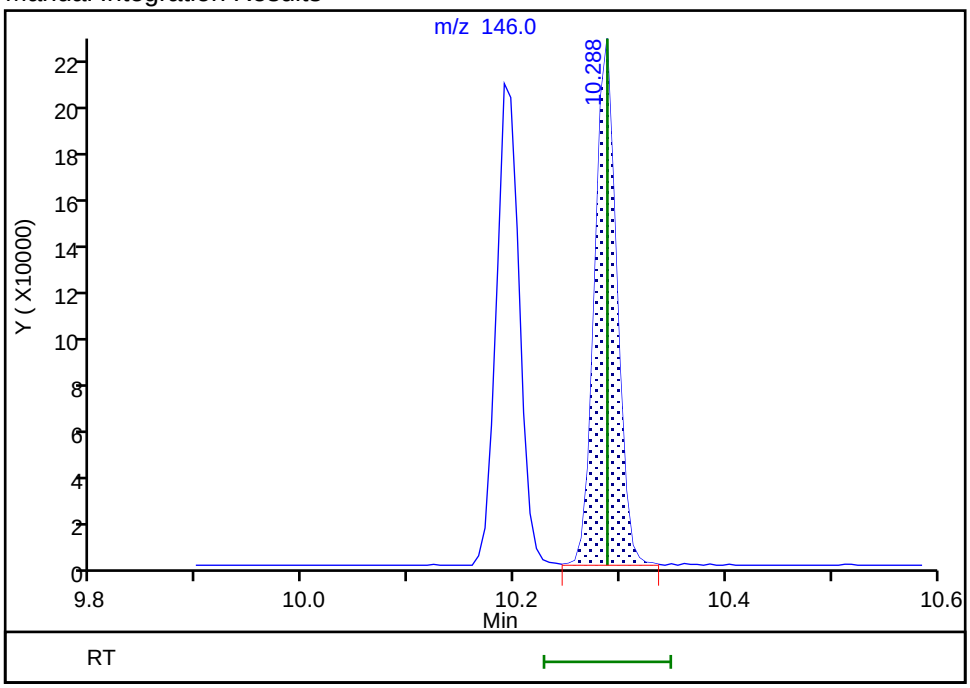
Processing Integration Results

RT: 10.19
Area: 312375
Amount: 9.996892
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 324897
Amount: 10.296563
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:43:57
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

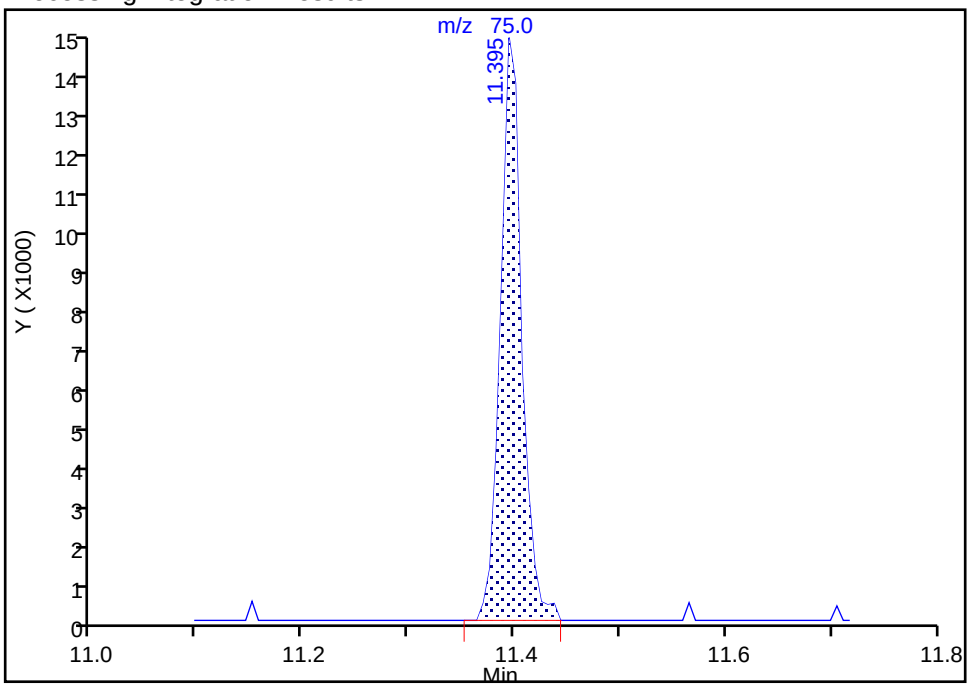
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8650.D				
Injection Date:	24-Feb-2022 20:47:30	Instrument ID:	HP5973S		
Lims ID:	IC 4				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

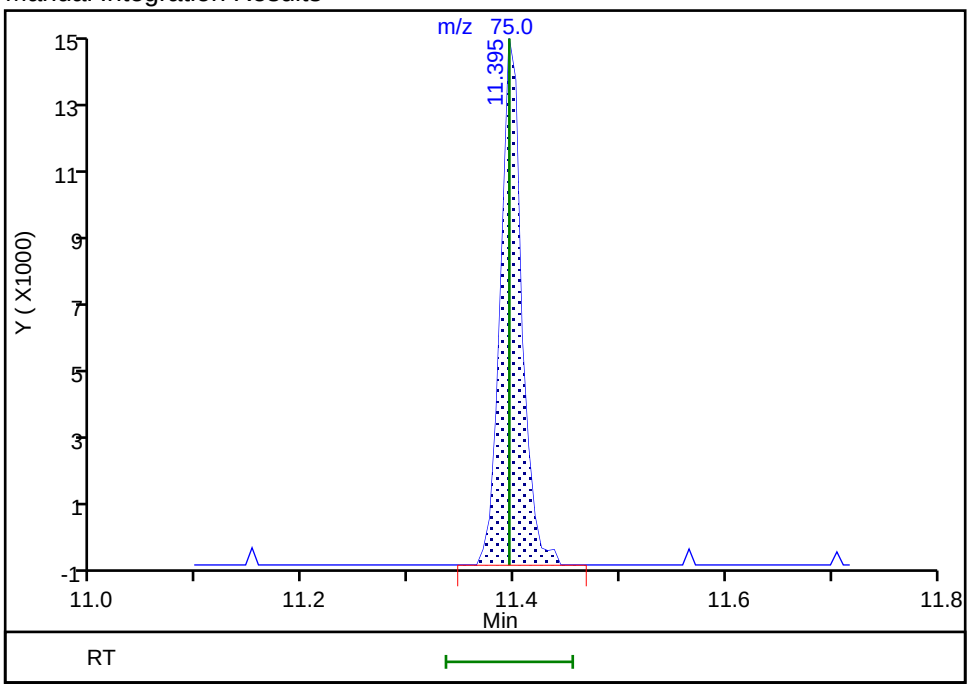
Processing Integration Results

RT: 11.39
Area: 19761
Amount: 9.650888
Amount Units: ug/L



Manual Integration Results

RT: 11.39
Area: 19822
Amount: 9.676561
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 17:28:49

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 24-Feb-2022 21:10:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0104096-018
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:35:07 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:46:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	194975	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	368792	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	50	401403	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.302	0.000	56	268053	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	50	170492	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	49	983330	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	91	315814	25.0	25.5	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	98	392005	25.0	24.7	
12 Chloromethane	50	1.181	1.181	0.000	88	469042	25.0	23.4	
13 Vinyl chloride	62	1.254	1.254	0.000	78	437400	25.0	24.0	
151 Butadiene	54	1.272	1.272	0.000	73	441115	25.0	25.3	
14 Bromomethane	94	1.515	1.515	0.000	91	272589	25.0	21.4	
15 Chloroethane	64	1.576	1.576	0.000	94	282115	25.0	23.0	
17 Trichlorofluoromethane	101	1.759	1.759	0.000	65	583389	25.0	25.3	
16 Dichlorofluoromethane	67	1.771	1.771	0.000	96	619290	25.0	23.5	
18 Ethyl ether	59	1.996	1.996	0.000	96	358506	25.0	23.4	
20 Acrolein	56	2.166	2.166	0.000	99	225158	125.0	113.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.197	2.197	0.000	80	323783	25.0	26.3	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	87	297026	25.0	24.7	
23 Acetone	43	2.312	2.312	0.000	98	785279	125.0	107.7	
25 Iodomethane	142	2.361	2.361	0.000	99	550773	25.0	24.2	
26 Carbon disulfide	76	2.385	2.385	0.000	99	964675	25.0	25.4	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	85	560550	25.0	24.6	
27 Methyl acetate	43	2.592	2.592	0.000	96	685620	50.0	45.9	
30 Methylene Chloride	84	2.677	2.677	0.000	93	356965	25.0	24.6	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	65	294354	250.0	230.2	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	96	966906	25.0	24.0	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	83	336571	25.0	24.7	
33 Acrylonitrile	53	2.957	2.957	0.000	98	1852969	250.0	236.7	
35 Hexane	57	3.079	3.079	0.000	94	539605	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	86	642054	25.0	24.1	
37 Vinyl acetate	43	3.359	3.359	0.000	97	1462520	50.0	54.2	
44 2,2-Dichloropropane	77	3.797	3.797	0.000	76	192792	25.0	25.0	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	81	367083	25.0	25.0	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	1082002	125.0	117.1	
48 Chlorobromomethane	128	4.064	4.064	0.000	90	195194	25.0	23.6	
49 Tetrahydrofuran	42	4.083	4.083	0.000	90	286330	50.0	45.4	
50 Chloroform	83	4.149	4.149	0.000	83	606562	25.0	24.0	
52 Cyclohexane	56	4.247	4.247	0.000	94	677146	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	74	425837	25.0	25.2	
55 Carbon tetrachloride	117	4.381	4.381	0.000	87	321162	25.0	24.6	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	90	472284	25.0	26.2	
57 Benzene	78	4.594	4.594	0.000	96	1362206	25.0	24.7	
53 Isobutyl alcohol	43	4.661	4.661	0.000	53	353558	625.0	668.4	
58 1,2-Dichloroethane	62	4.667	4.667	0.000	74	555214	25.0	23.5	
59 n-Heptane	43	4.782	4.782	0.000	93	582597	25.0	26.1	
62 Trichloroethene	95	5.202	5.202	0.000	93	337775	25.0	24.6	
64 Methylcyclohexane	83	5.305	5.305	0.000	96	604914	25.0	27.1	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	88	327197	25.0	23.5	
67 Dibromomethane	93	5.573	5.573	0.000	89	217570	25.0	23.6	
66 1,4-Dioxane	88	5.591	5.591	0.000	66	103422	500.0	565.3	
68 Dichlorobromomethane	83	5.731	5.731	0.000	89	378559	25.0	24.2	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	92	194658	25.0	25.7	
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	83	413358	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	2219283	125.0	129.0	
74 Toluene	92	6.425	6.425	0.000	87	815692	25.0	24.7	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	98	329857	25.0	28.7	
75 Ethyl methacrylate	69	6.778	6.778	0.000	72	309591	25.0	23.7	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	95	235324	25.0	24.7	
81 Tetrachloroethene	166	6.942	6.942	0.000	91	390622	25.0	25.8	
82 1,3-Dichloropropane	76	7.051	7.051	0.000	97	509322	25.0	25.0	
80 2-Hexanone	43	7.137	7.137	0.000	98	1424840	125.0	131.7	
83 Chlorodibromomethane	129	7.289	7.289	0.000	87	255433	25.0	25.0	
84 Ethylene Dibromide	107	7.380	7.380	0.000	99	269926	25.0	26.1	
87 Chlorobenzene	112	7.854	7.854	0.000	94	938958	25.0	24.7	
88 Ethylbenzene	91	7.952	7.952	0.000	98	1516105	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	41	257257	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	98	606984	25.0	26.6	
91 o-Xylene	106	8.493	8.493	0.000	97	608756	25.0	26.6	
92 Styrene	104	8.530	8.530	0.000	88	982172	25.0	26.9	
95 Bromoform	173	8.767	8.767	0.000	96	161298	25.0	25.2	
94 Isopropylbenzene	105	8.876	8.876	0.000	96	1639330	25.0	26.4	
101 Bromobenzene	156	9.223	9.223	0.000	92	420110	25.0	24.9	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	61	397072	25.0	24.9	
99 N-Propylbenzene	91	9.321	9.321	0.000	98	1817720	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.333	9.333	0.000	57	146712	25.0	25.2	
98 trans-1,4-Dichloro-2-butene	53	9.357	9.357	0.000	74	130560	25.0	24.5	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	387894	25.0	25.9	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	94	1376148	25.0	26.5	
105 4-Chlorotoluene	126	9.546	9.546	0.000	98	392184	25.0	25.4	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	91	323960	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	9.905	9.905	0.000	62	1419688	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	1794317	25.0	26.9	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	98	813232	25.0	25.2	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	1600372	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	827625	25.0	24.4	a
115 n-Butylbenzene	91	10.610	10.610	0.000	95	1336634	25.0	27.1	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	98	811610	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	73	56236	25.0	25.6	M
119 1,2,4-Trichlorobenzene	180	12.070	12.070	0.000	91	599115	25.0	25.3	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	94	284880	25.0	26.0	
121 Naphthalene	128	12.283	12.283	0.000	97	1625558	25.0	26.8	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	95	603114	25.0	25.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added: 12.50	Units: uL	
8260 CORP mix_00220	Amount Added: 12.50	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:35:08 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D

Injection Date: 24-Feb-2022 21:10:30 Instrument ID: HP5973S Operator ID: AG/LH

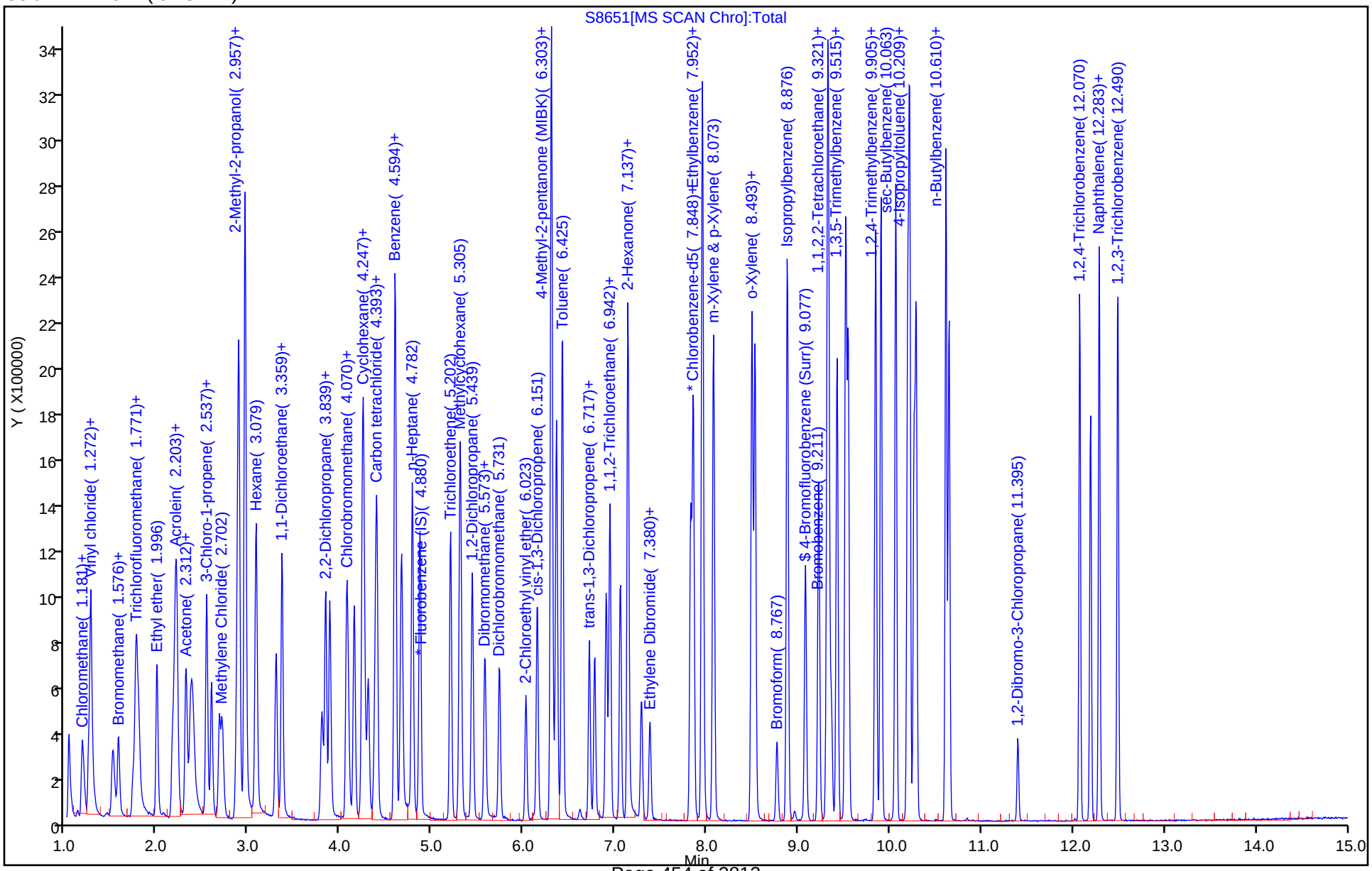
Lims ID: ICIS 5 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

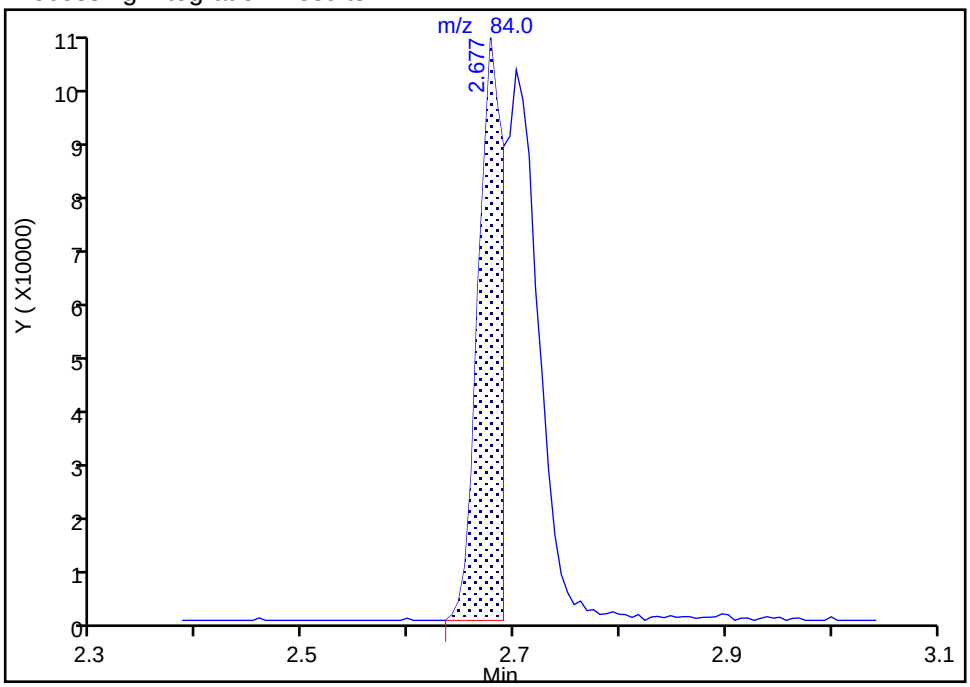
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

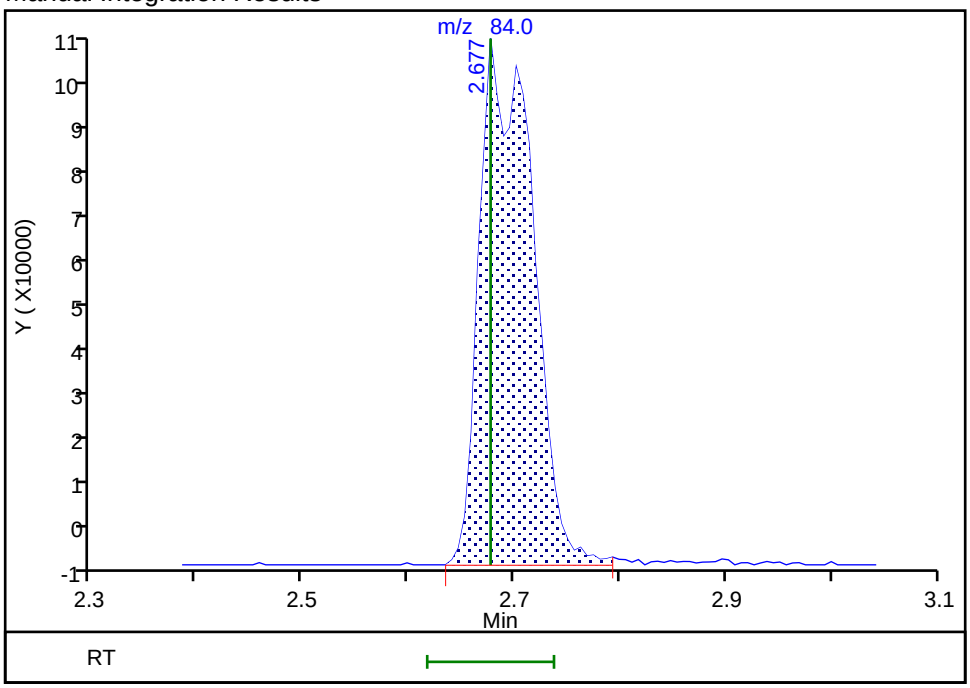
Processing Integration Results

RT: 2.68
Area: 165343
Amount: 23.990876
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 356965
Amount: 24.618795
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:45:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

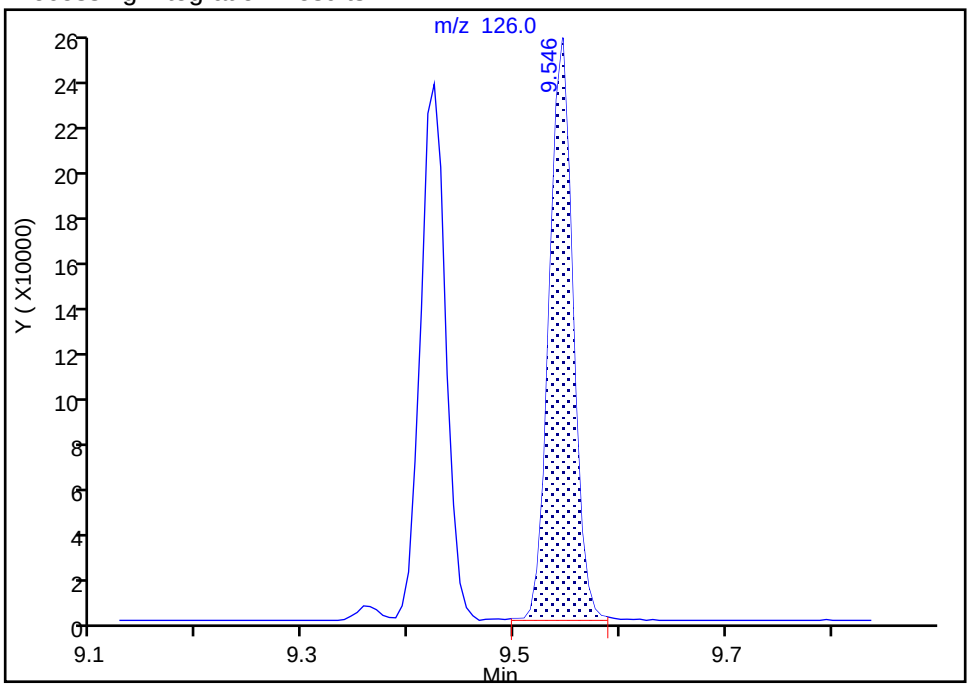
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

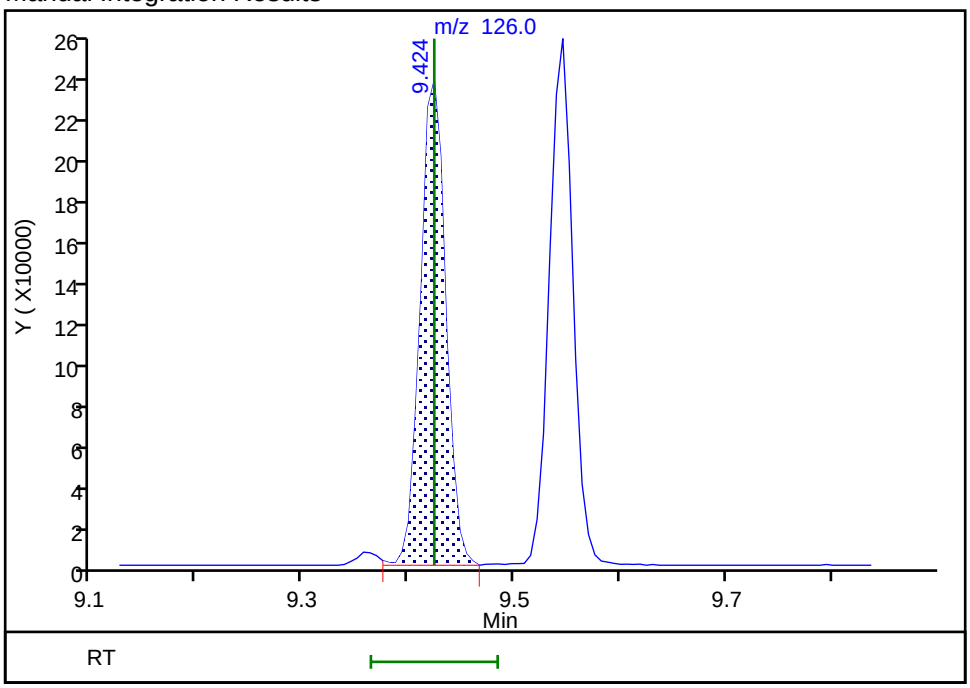
Processing Integration Results

RT: 9.55
Area: 391567
Amount: 25.532148
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 387894
Amount: 25.912903
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:41:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

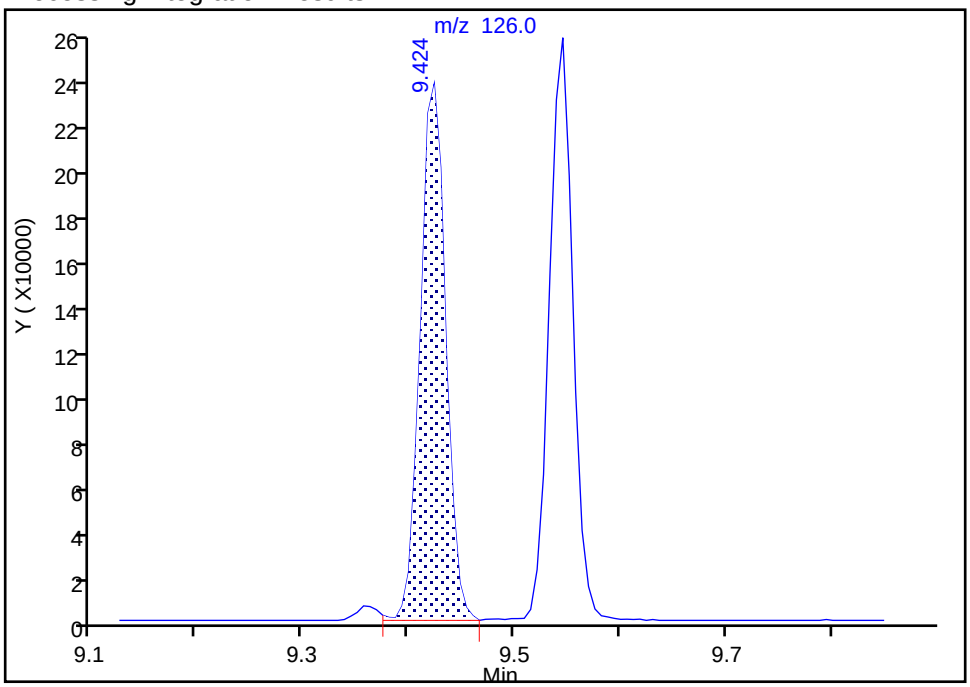
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

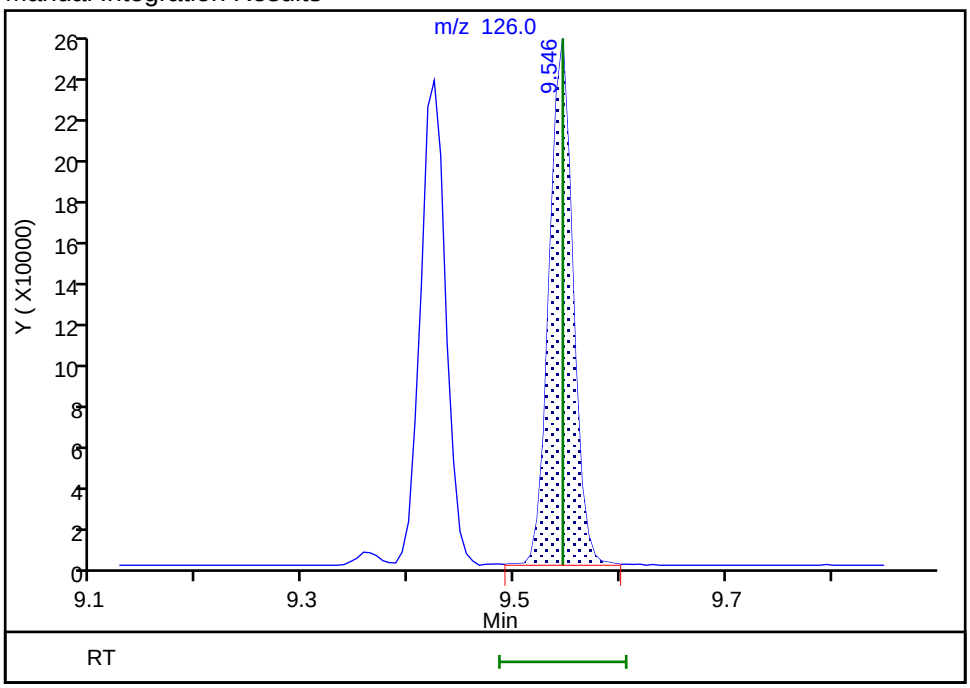
Processing Integration Results

RT: 9.42
Area: 387894
Amount: 25.304100
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 392184
Amount: 25.422622
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:41:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

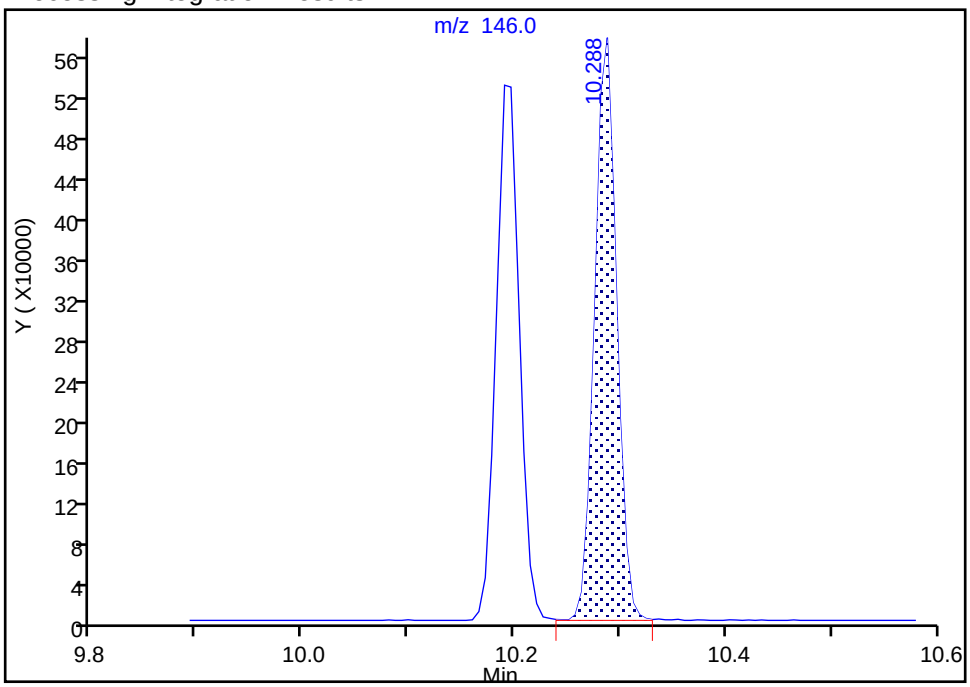
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

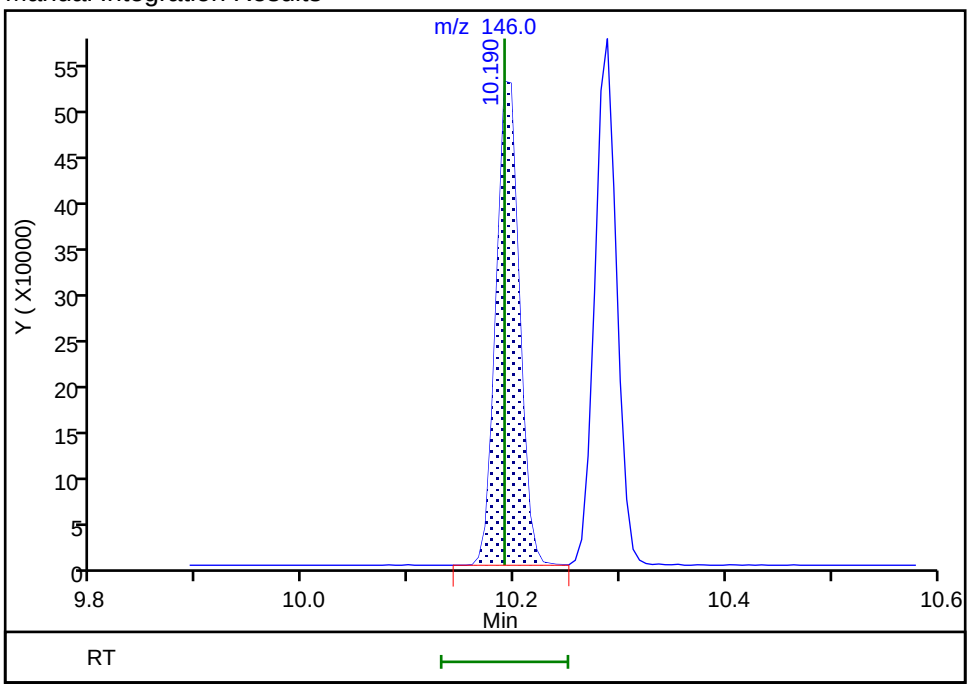
Processing Integration Results

RT: 10.29
Area: 828484
Amount: 24.635622
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 813232
Amount: 25.156662
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:41:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

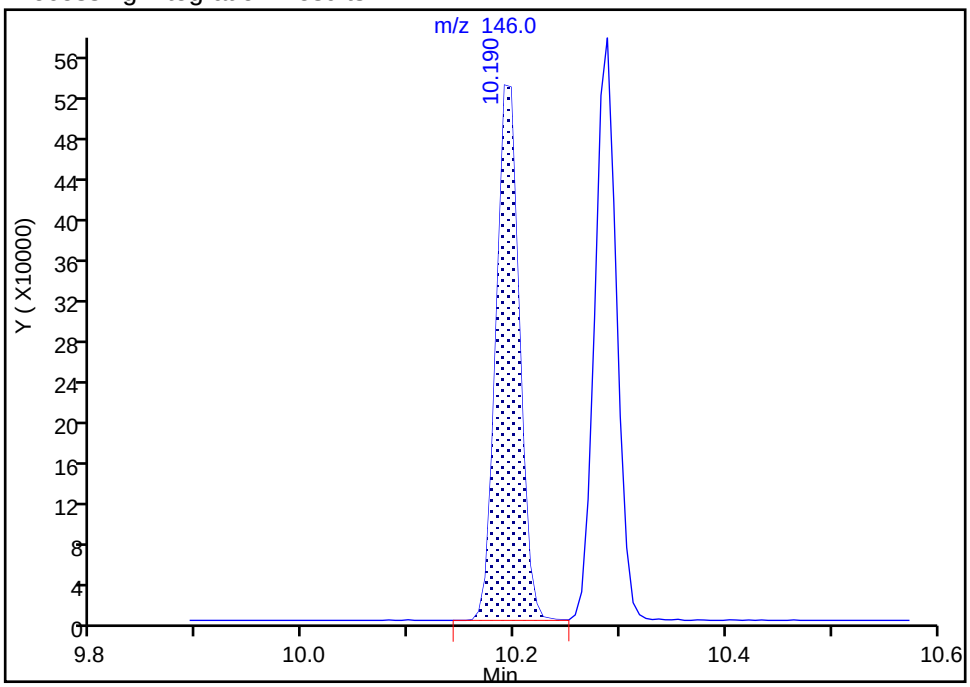
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

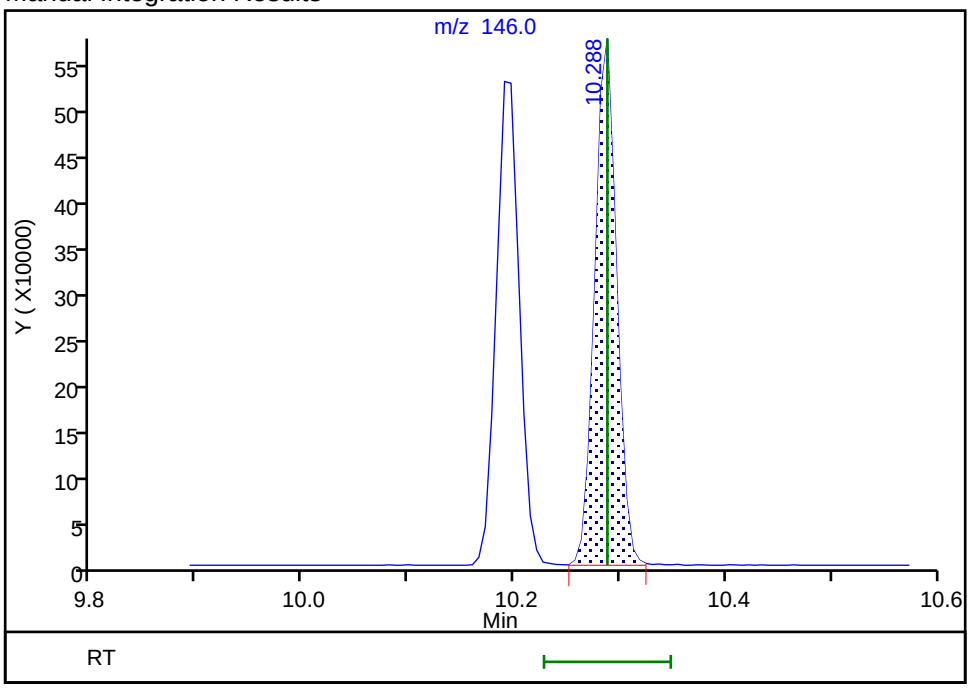
Processing Integration Results

RT: 10.19
Area: 813232
Amount: 25.390848
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 827625
Amount: 24.443145
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:41:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

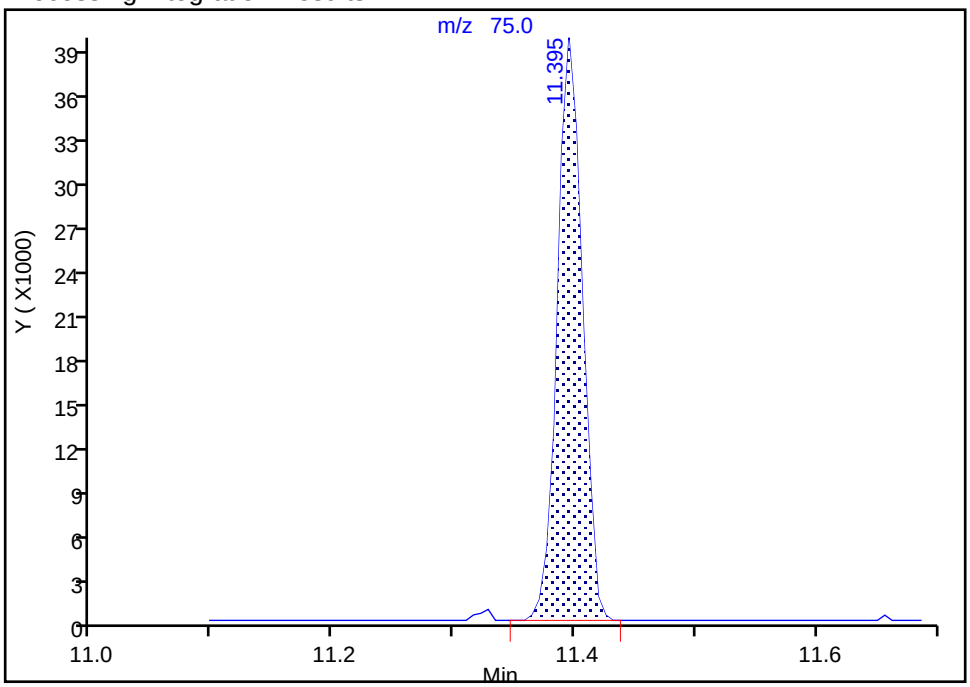
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8651.D				
Injection Date:	24-Feb-2022 21:10:30	Instrument ID:	HP5973S		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

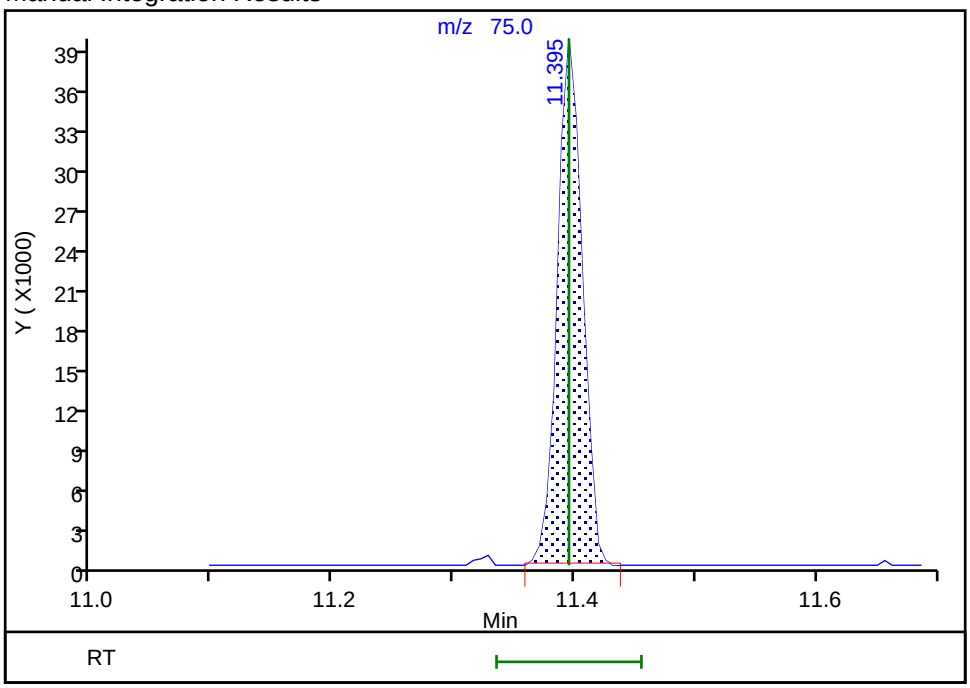
Processing Integration Results

RT: 11.40
Area: 57068
Amount: 25.917266
Amount Units: ug/L



Manual Integration Results

RT: 11.40
Area: 56236
Amount: 25.583790
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 17:28:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Feb-2022 21:33:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0104096-019
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:35:11 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:47:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	194382	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	389832	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	41	416700	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.302	0.000	56	279603	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	40	174222	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	44	1021815	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	327748	25.0	25.0	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	86	810350	50.0	51.3	M
12 Chloromethane	50	1.187	1.181	0.006	89	956308	50.0	47.9	
13 Vinyl chloride	62	1.254	1.254	0.000	67	895546	50.0	49.3	
151 Butadiene	54	1.272	1.272	0.000	65	912541	50.0	52.5	
14 Bromomethane	94	1.515	1.515	0.000	92	548222	50.0	43.1	
15 Chloroethane	64	1.576	1.576	0.000	94	575435	50.0	47.0	
17 Trichlorofluoromethane	101	1.765	1.759	0.006	59	1180421	50.0	51.3	
16 Dichlorofluoromethane	67	1.771	1.771	0.000	81	1255884	50.0	47.8	
18 Ethyl ether	59	1.996	1.996	0.000	94	732479	50.0	48.0	
20 Acrolein	56	2.166	2.166	0.000	93	464174	250.0	234.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.197	2.197	0.000	77	684971	50.0	55.8	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	86	607305	50.0	50.8	
23 Acetone	43	2.312	2.312	0.000	98	1683399	250.0	231.5	
25 Iodomethane	142	2.361	2.361	0.000	98	1125886	50.0	49.7	
26 Carbon disulfide	76	2.391	2.385	0.006	99	2016932	50.0	53.3	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	84	1187671	50.0	52.2	
27 Methyl acetate	43	2.592	2.592	0.000	96	1444539	100.0	97.1	
30 Methylene Chloride	84	2.677	2.677	0.000	93	734875	50.0	51.8	M
31 2-Methyl-2-propanol	59	2.866	2.860	0.006	52	724233	500.0	568.2	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	97	2086696	50.0	52.0	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	83	712440	50.0	52.4	
33 Acrylonitrile	53	2.957	2.957	0.000	99	3942587	500.0	505.2	
35 Hexane	57	3.079	3.079	0.000	94	1174960	50.0	56.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	86	1326909	50.0	50.0	
37 Vinyl acetate	43	3.359	3.359	0.000	97	3382694	100.0	125.8	
44 2,2-Dichloropropane	77	3.797	3.797	0.000	79	434441	50.0	56.5	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	67	753564	50.0	51.4	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	2308741	250.0	250.6	
48 Chlorobromomethane	128	4.064	4.064	0.000	93	411273	50.0	49.8	
49 Tetrahydrofuran	42	4.083	4.083	0.000	89	635227	100.0	101.1	
50 Chloroform	83	4.149	4.149	0.000	83	1255640	50.0	49.7	
52 Cyclohexane	56	4.247	4.247	0.000	91	1447593	50.0	57.1	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	74	937202	50.0	55.7	
55 Carbon tetrachloride	117	4.375	4.381	-0.006	80	752603	50.0	57.8	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	89	996480	50.0	55.4	
57 Benzene	78	4.594	4.594	0.000	98	2895722	50.0	52.7	
53 Isobutyl alcohol	43	4.654	4.661	-0.007	91	862314	1250.0	1635.1	
58 1,2-Dichloroethane	62	4.667	4.667	0.000	73	1140389	50.0	48.5	
59 n-Heptane	43	4.782	4.782	0.000	95	1283737	50.0	57.6	
62 Trichloroethene	95	5.202	5.202	0.000	92	719500	50.0	52.6	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	1315020	50.0	59.0	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	86	691282	50.0	49.9	
67 Dibromomethane	93	5.573	5.573	0.000	88	446881	50.0	48.6	
66 1,4-Dioxane	88	5.585	5.591	-0.006	49	207616	1000.0	1073.6	
68 Dichlorobromomethane	83	5.731	5.731	0.000	91	844448	50.0	54.2	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	94	428210	50.0	56.6	
72 cis-1,3-Dichloropropene	75	6.145	6.151	-0.006	87	982469	50.0	60.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	4785200	250.0	263.2	
74 Toluene	92	6.425	6.425	0.000	91	1750363	50.0	50.2	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	95	806020	50.0	66.3	
75 Ethyl methacrylate	69	6.778	6.778	0.000	74	743178	50.0	52.9	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	95	506387	50.0	50.3	
81 Tetrachloroethene	166	6.942	6.942	0.000	85	813291	50.0	50.8	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	96	1061098	50.0	49.2	
80 2-Hexanone	43	7.136	7.137	-0.001	98	3034394	250.0	265.3	
83 Chlorodibromomethane	129	7.289	7.289	0.000	87	598538	50.0	55.4	
84 Ethylene Dibromide	107	7.380	7.380	0.000	98	617957	50.0	56.5	
87 Chlorobenzene	112	7.854	7.854	0.000	95	2022987	50.0	50.4	
88 Ethylbenzene	91	7.952	7.952	0.000	98	3262632	50.0	53.1	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	47	619838	50.0	59.4	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	98	1286045	50.0	53.4	
91 o-Xylene	106	8.493	8.493	0.000	97	1305236	50.0	53.9	
92 Styrene	104	8.524	8.530	-0.006	90	2134281	50.0	55.3	
95 Bromoform	173	8.767	8.767	0.000	95	377382	50.0	55.7	
94 Isopropylbenzene	105	8.882	8.876	0.006	95	3587768	50.0	55.6	
101 Bromobenzene	156	9.223	9.223	0.000	91	879066	50.0	50.2	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	61	851010	50.0	51.4	
99 N-Propylbenzene	91	9.320	9.321	-0.001	98	3936338	50.0	55.3	
100 1,2,3-Trichloropropane	110	9.339	9.333	0.006	69	296738	50.0	49.2	
98 trans-1,4-Dichloro-2-butene	53	9.357	9.357	0.000	80	284391	50.0	51.3	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	805700	50.0	51.8	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	93	2991317	50.0	55.4	
105 4-Chlorotoluene	126	9.546	9.546	0.000	98	813556	50.0	50.8	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	91	703563	50.0	56.3	
107 1,2,4-Trimethylbenzene	105	9.905	9.905	-0.001	55	3030677	50.0	55.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	3945555	50.0	57.1	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	99	1698359	50.0	50.6	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	3478954	50.0	57.5	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	1727655	50.0	49.2	a
115 n-Butylbenzene	91	10.610	10.610	0.000	95	2892365	50.0	56.4	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	97	1701316	50.0	51.3	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	78	141177	50.0	61.9	M
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	94	1297018	50.0	52.7	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	95	632440	50.0	55.7	
121 Naphthalene	128	12.283	12.283	0.000	97	3606510	50.0	57.4	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	94	1299747	50.0	52.6	
S 126 1,3-Dichloropropene, Total	1				0			127.3	
S 125 1,2-Dichloroethene, Total	1				0			103.8	
S 123 Total BTEX	1				0			263.3	
S 124 Xylenes, Total	1				0			107.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added: 25.00	Units: uL	
8260 CORP mix_00220	Amount Added: 25.00	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:35:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D

Injection Date: 24-Feb-2022 21:33:30 Instrument ID: HP5973S Operator ID: AG/LH

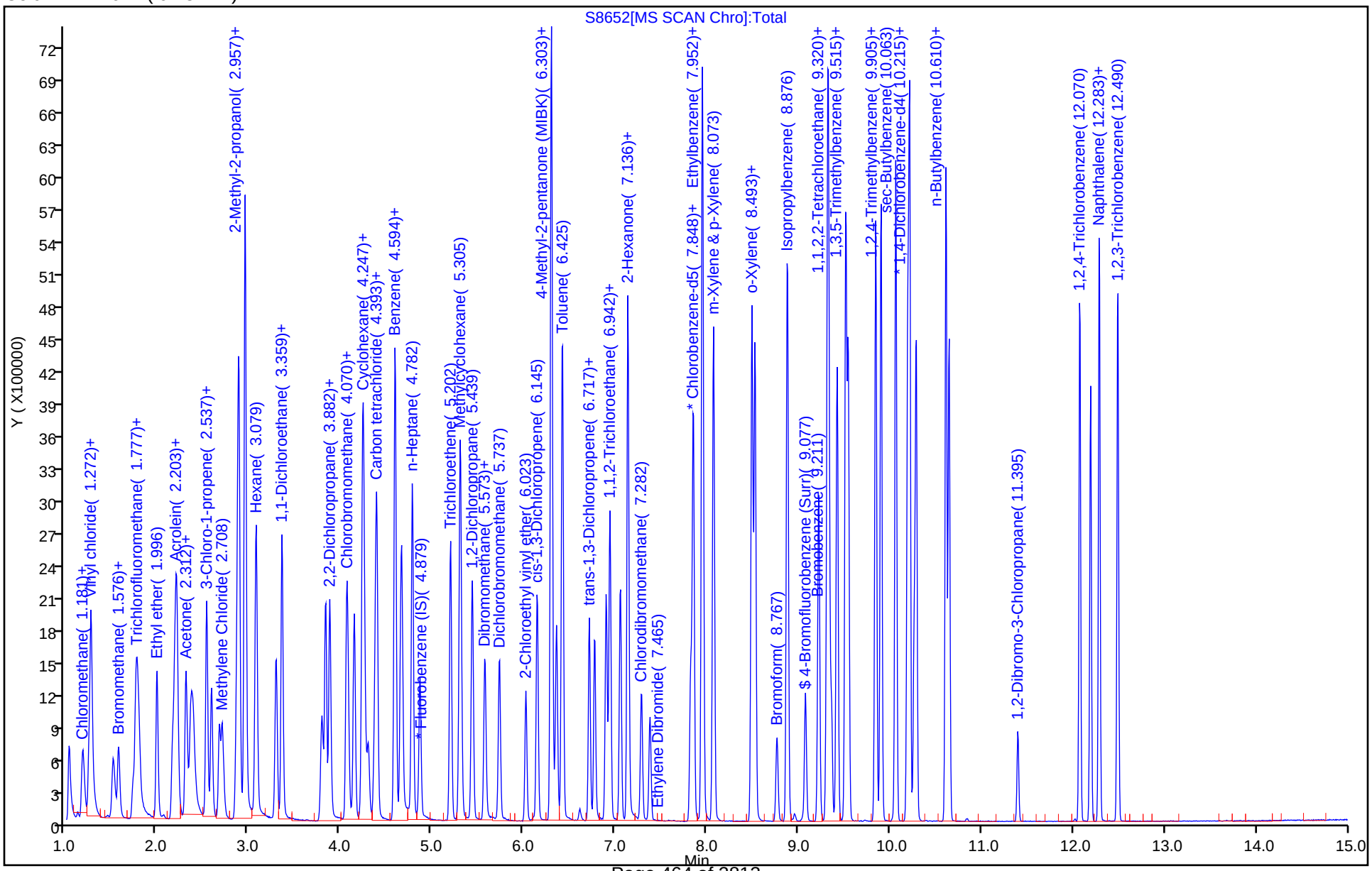
Lims ID: IC 6 Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

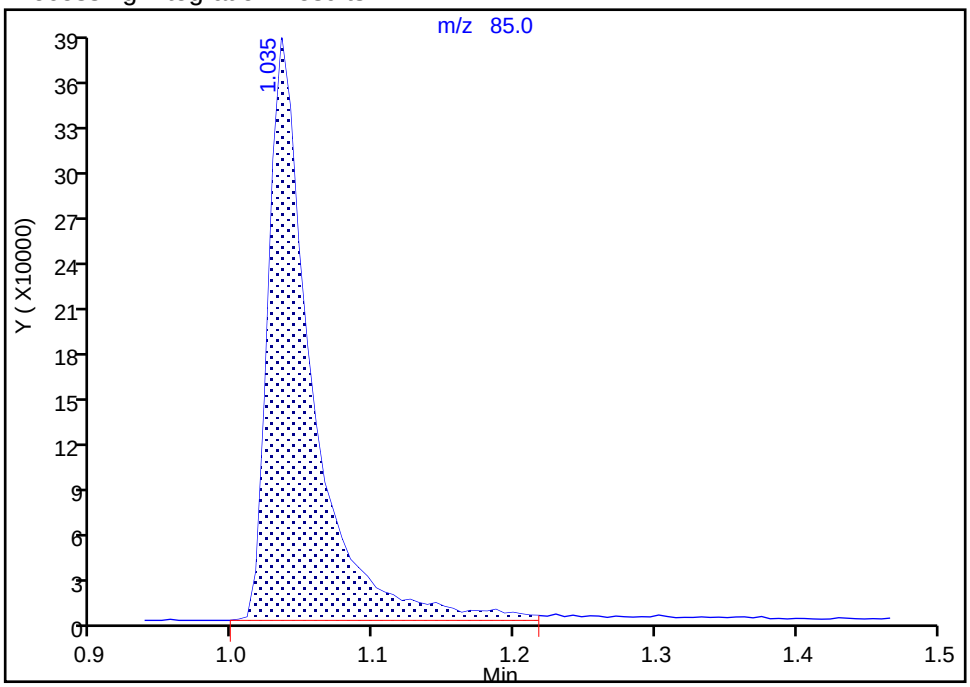
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

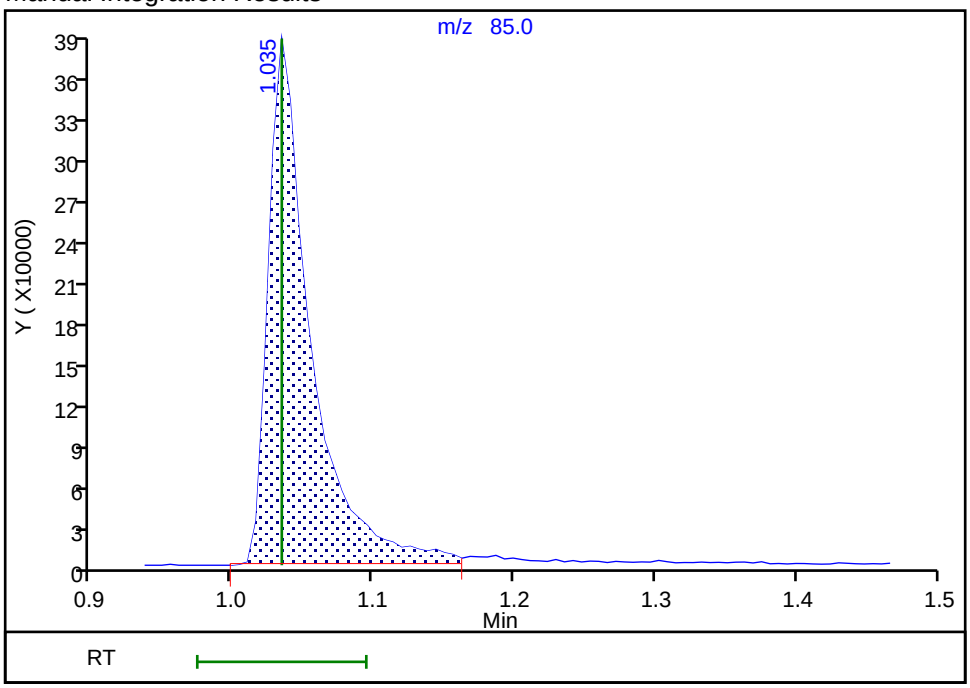
Processing Integration Results

RT: 1.03
Area: 840086
Amount: 54.393983
Amount Units: ug/L



Manual Integration Results

RT: 1.03
Area: 810350
Amount: 51.306229
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:47:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

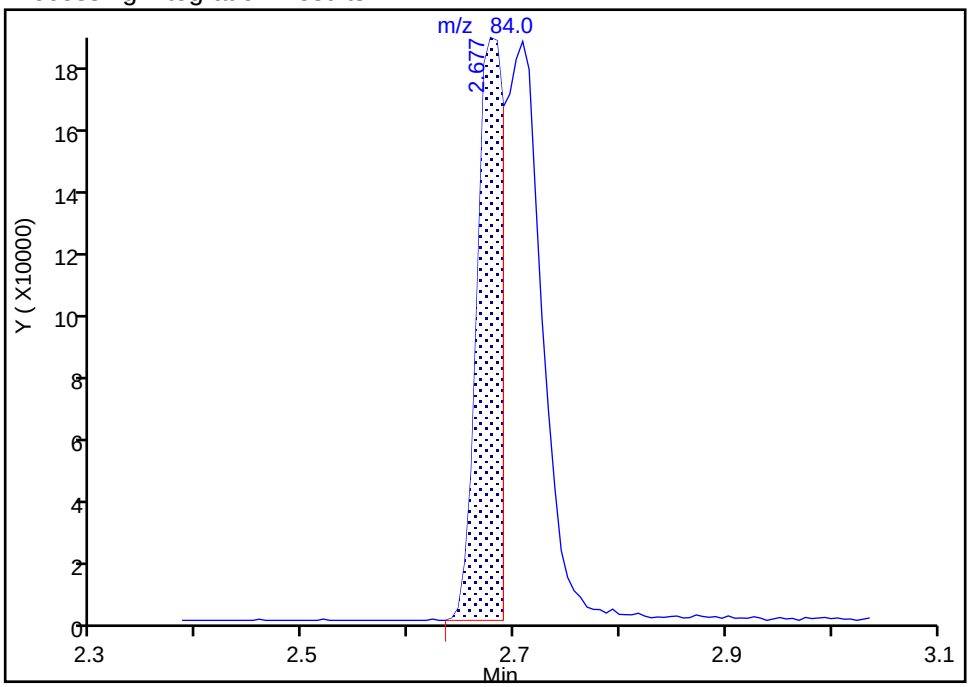
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

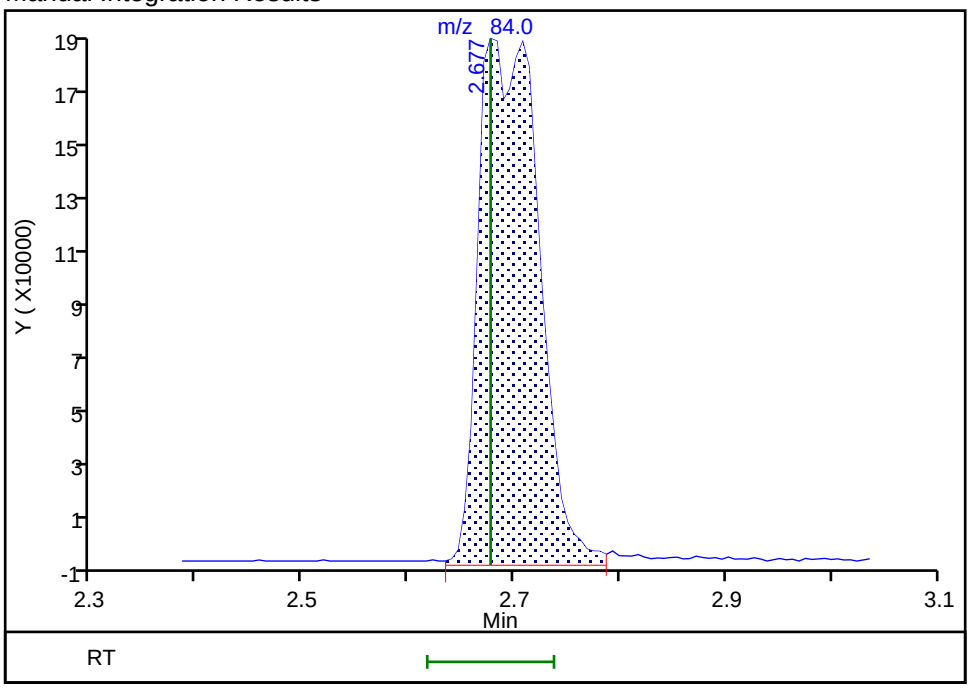
Processing Integration Results

RT: 2.68
Area: 320387
Amount: 42.953216
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 734875
Amount: 51.756796
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:47:25

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

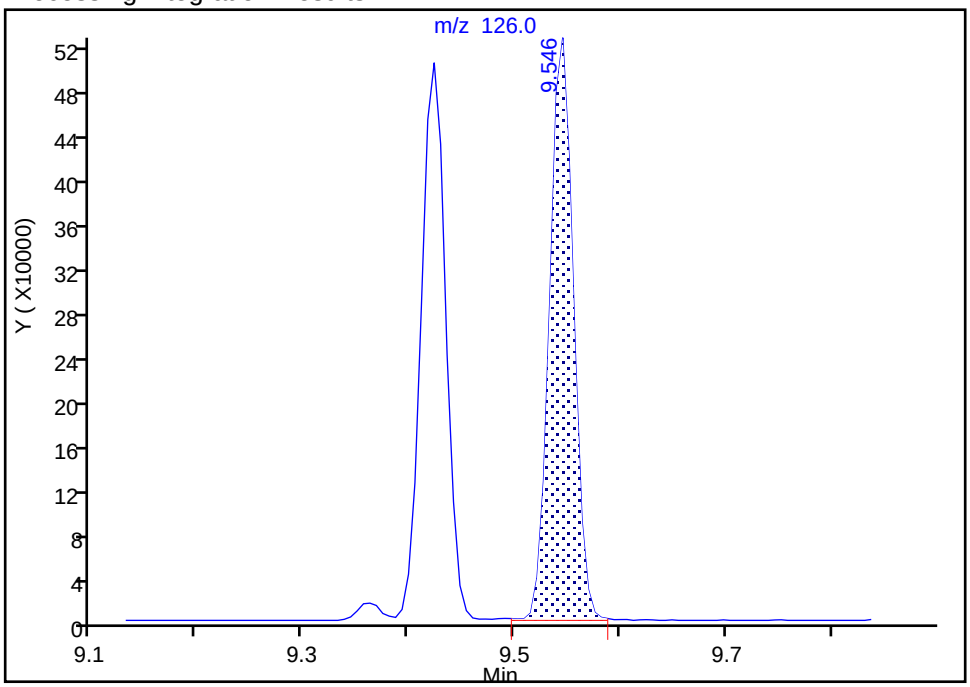
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

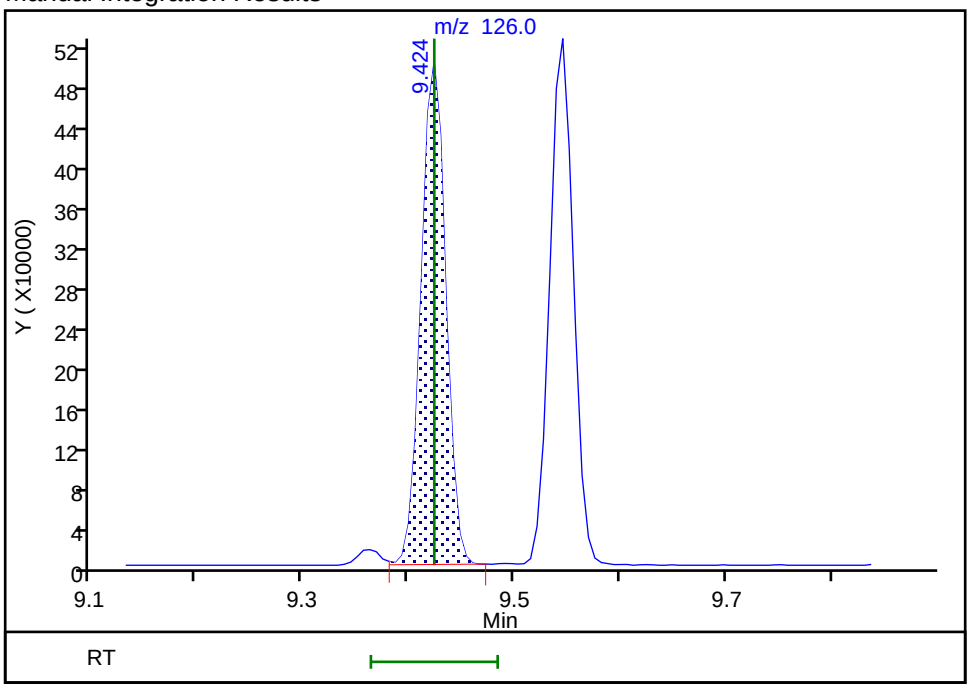
Processing Integration Results

RT: 9.55
Area: 813556
Amount: 52.012407
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 805700
Amount: 51.848176
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

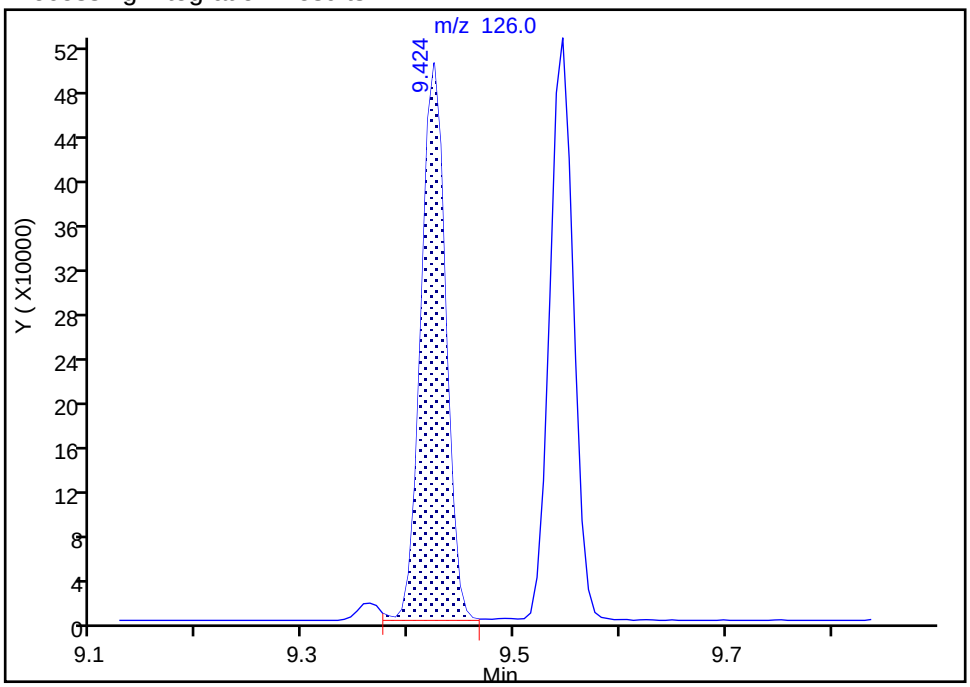
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

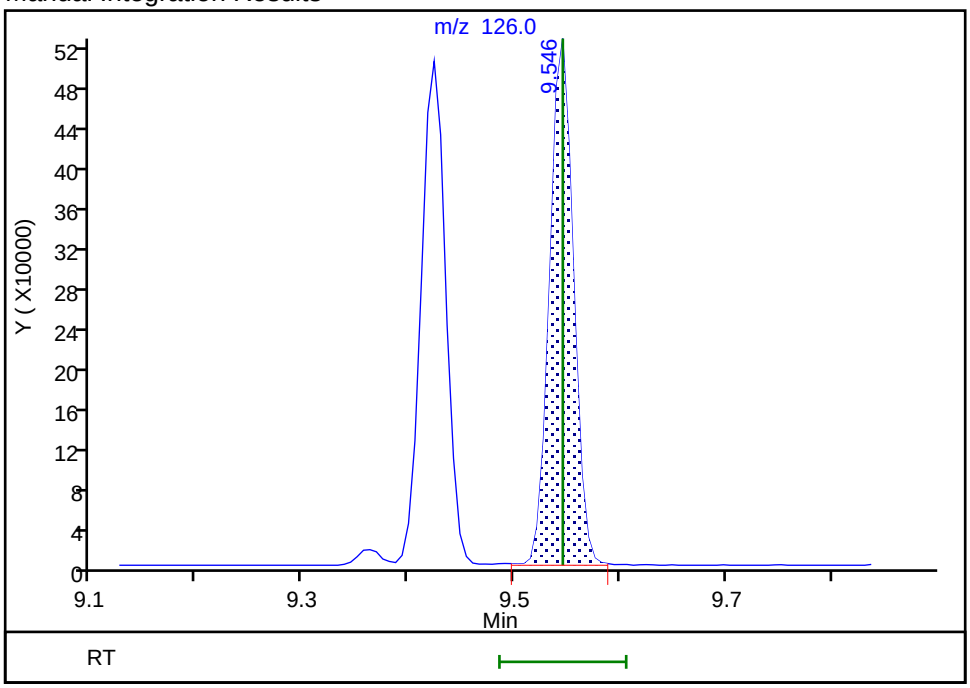
Processing Integration Results

RT: 9.42
Area: 812223
Amount: 51.030060
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 813556
Amount: 50.801324
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

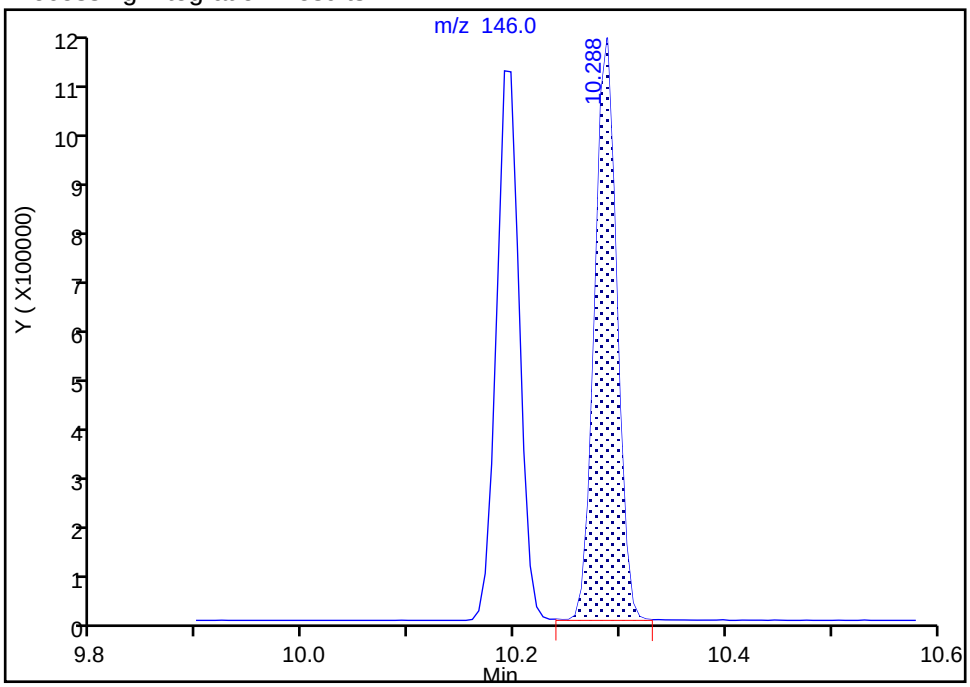
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

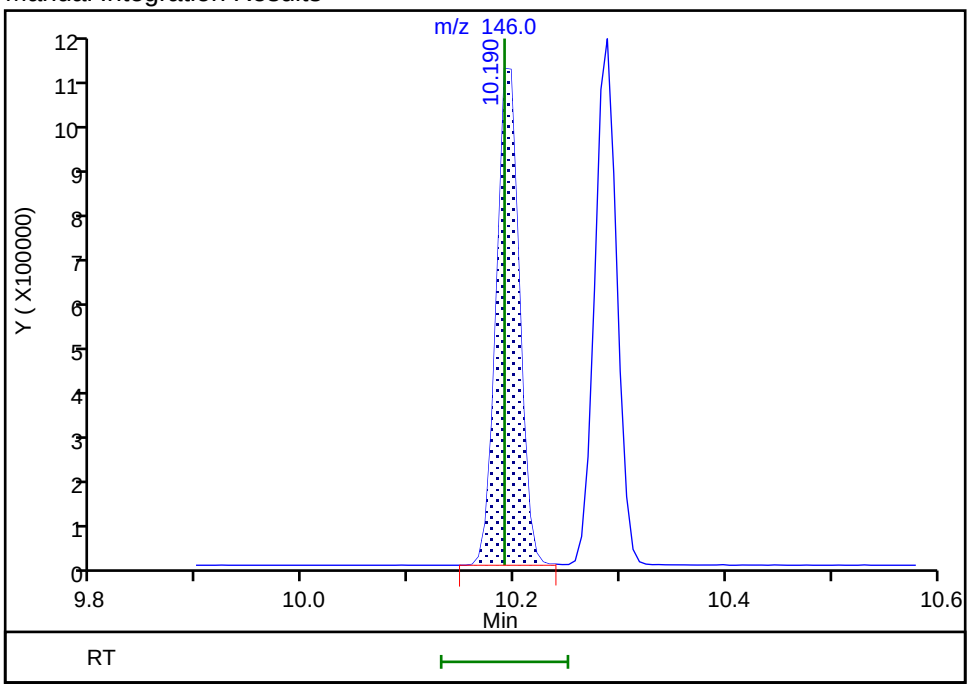
Processing Integration Results

RT: 10.29
Area: 1728177
Amount: 51.189267
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 1698359
Amount: 50.608697
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

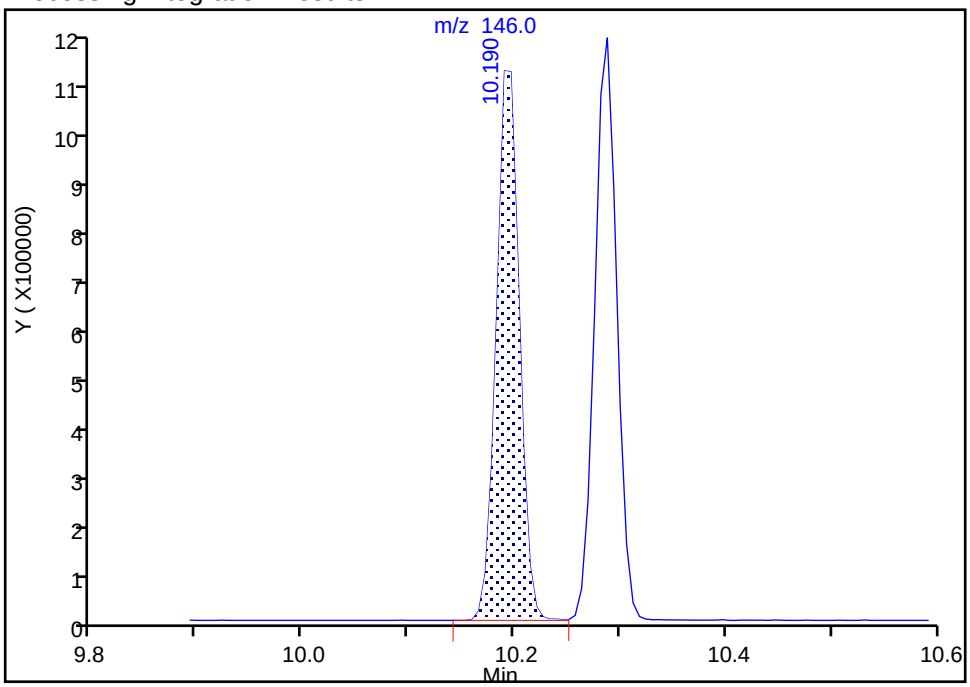
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

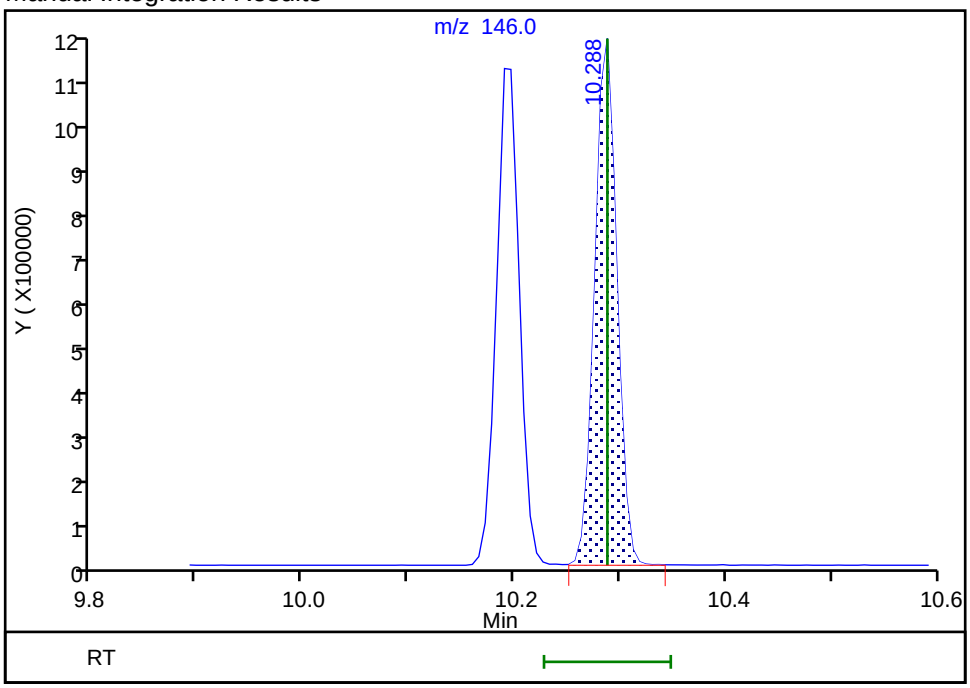
Processing Integration Results

RT: 10.19
Area: 1699524
Amount: 48.582514
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 1727655
Amount: 49.151595
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

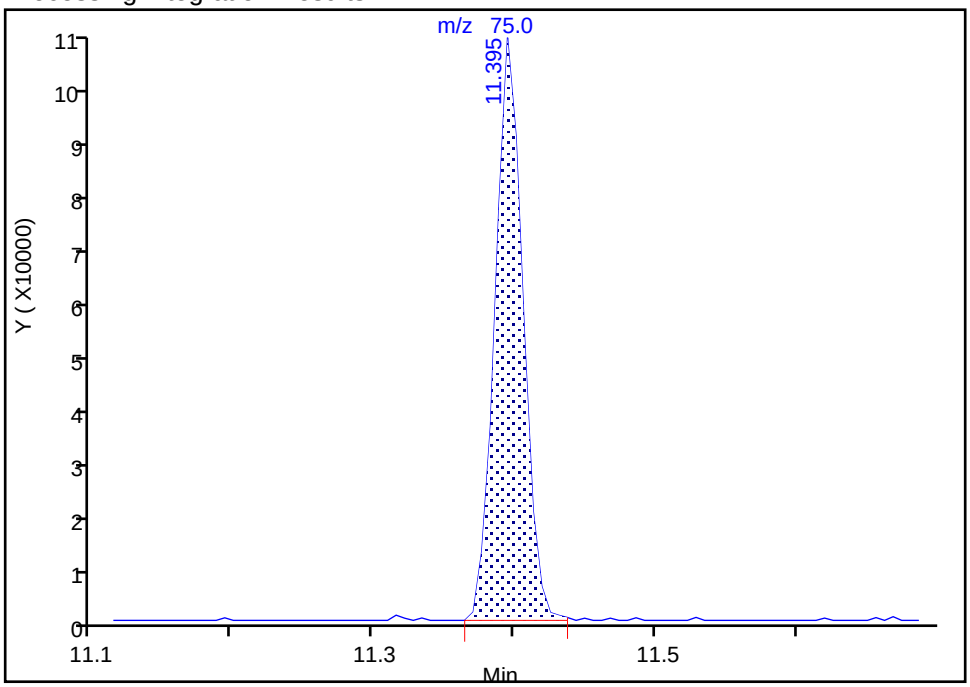
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8652.D				
Injection Date:	24-Feb-2022 21:33:30	Instrument ID:	HP5973S		
Lims ID:	IC 6				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

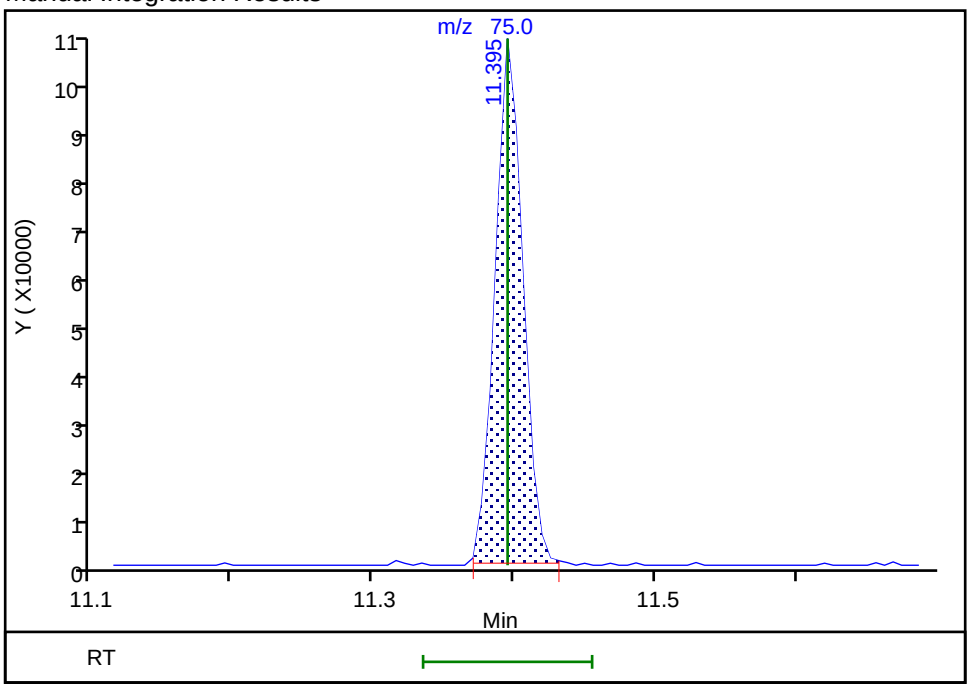
Processing Integration Results

RT: 11.39
Area: 143006
Amount: 62.418911
Amount Units: ug/L



Manual Integration Results

RT: 11.39
Area: 141177
Amount: 61.868776
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 17:25:25

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Feb-2022 21:56:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0104096-020
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:35:16 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 13:49:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	207314	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	433834	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	7	480468	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	58	298253	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	41	187066	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	25	1134988	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	383476	25.0	26.3	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	88	1633275	100.0	97.0	M
12 Chloromethane	50	1.187	1.181	0.006	88	1895436	100.0	89.0	
13 Vinyl chloride	62	1.254	1.254	0.000	71	1787445	100.0	92.2	
151 Butadiene	54	1.278	1.272	0.006	66	1852153	100.0	99.8	
14 Bromomethane	94	1.515	1.515	0.000	90	1033510	100.0	76.2	
15 Chloroethane	64	1.576	1.576	0.000	94	1115164	100.0	85.5	
17 Trichlorofluoromethane	101	1.765	1.759	0.006	63	2347224	100.0	95.7	
16 Dichlorofluoromethane	67	1.771	1.771	0.000	81	2472973	100.0	88.2	
18 Ethyl ether	59	1.996	1.996	0.000	94	1469235	100.0	90.2	
20 Acrolein	56	2.166	2.166	0.000	96	957477	500.0	453.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.203	2.197	0.006	76	1376911	100.0	105.2	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	85	1218526	100.0	95.5	
23 Acetone	43	2.312	2.312	0.000	98	3546183	500.0	457.3	
25 Iodomethane	142	2.367	2.361	0.006	97	2337557	100.0	96.7	
26 Carbon disulfide	76	2.391	2.385	0.006	99	4191145	100.0	103.8	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	86	2563860	100.0	105.6	
27 Methyl acetate	43	2.592	2.592	0.000	96	3112801	200.0	196.2	
30 Methylene Chloride	84	2.708	2.677	0.031	94	1470358	100.0	97.9	M
31 2-Methyl-2-propanol	59	2.866	2.860	0.006	60	1791048	1000.0	1317.5	
32 Methyl tert-butyl ether	73	2.878	2.884	-0.006	97	4547834	100.0	106.3	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	80	1465971	100.0	101.1	
33 Acrylonitrile	53	2.957	2.957	0.000	98	8565912	1000.0	1029.1	
35 Hexane	57	3.079	3.079	0.000	95	2530951	100.0	113.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	86	2760166	100.0	97.6	
37 Vinyl acetate	43	3.359	3.359	0.000	97	8234843	200.0	287.1	
44 2,2-Dichloropropane	77	3.797	3.797	0.000	86	959649	100.0	116.9	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	71	1577446	100.0	100.9	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	5373362	500.0	546.8	
48 Chlorobromomethane	128	4.064	4.064	0.000	96	844177	100.0	95.8	
49 Tetrahydrofuran	42	4.082	4.083	-0.001	89	1381717	200.0	206.1	
50 Chloroform	83	4.149	4.149	0.000	82	2599475	100.0	96.6	
52 Cyclohexane	56	4.247	4.247	0.000	90	3054763	100.0	113.0	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	75	2072837	100.0	115.5	
55 Carbon tetrachloride	117	4.381	4.381	0.000	78	1709543	100.0	123.1	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	90	2124703	100.0	110.8	
57 Benzene	78	4.593	4.594	-0.001	98	6149622	100.0	105.0	
53 Isobutyl alcohol	43	4.654	4.661	-0.007	72	2252812	2500.0	4005.2	
58 1,2-Dichloroethane	62	4.673	4.667	0.006	73	2428816	100.0	96.8	
59 n-Heptane	43	4.782	4.782	0.000	95	2735840	100.0	115.2	M
62 Trichloroethene	95	5.202	5.202	0.000	90	1513400	100.0	103.8	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	2766270	100.0	116.4	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	88	1537142	100.0	103.9	
67 Dibromomethane	93	5.573	5.573	0.000	88	947509	100.0	96.7	
66 1,4-Dioxane	88	5.591	5.591	0.000	64	429845	2000.0	1997.3	
68 Dichlorobromomethane	83	5.731	5.731	0.000	92	1900828	100.0	114.3	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	94	1036153	100.0	128.5	
72 cis-1,3-Dichloropropene	75	6.145	6.151	-0.006	87	2321059	100.0	135.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	11120562	500.0	549.7	
74 Toluene	92	6.425	6.425	0.000	97	3912416	100.0	100.8	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	95	2098345	100.0	155.1	
75 Ethyl methacrylate	69	6.771	6.778	-0.007	75	1897397	100.0	120.5	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	89	1139204	100.0	101.6	
81 Tetrachloroethene	166	6.942	6.942	0.000	85	1802930	100.0	101.2	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	96	2442530	100.0	101.7	
80 2-Hexanone	43	7.136	7.137	-0.001	98	7603289	500.0	597.3	
83 Chlorodibromomethane	129	7.289	7.289	-0.001	89	1447195	100.0	120.3	
84 Ethylene Dibromide	107	7.380	7.380	0.000	98	1462364	100.0	120.1	
87 Chlorobenzene	112	7.854	7.854	0.000	94	4529985	100.0	101.3	
88 Ethylbenzene	91	7.952	7.952	0.000	98	7527862	100.0	110.0	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	41	1470918	100.0	126.6	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	98	2967335	100.0	110.7	
91 o-Xylene	106	8.493	8.493	0.000	97	2923388	100.0	108.5	
92 Styrene	104	8.523	8.530	-0.007	91	4999414	100.0	116.4	
95 Bromoform	173	8.767	8.767	0.000	97	975352	100.0	129.4	
94 Isopropylbenzene	105	8.882	8.876	0.006	95	8079110	100.0	108.6	
101 Bromobenzene	156	9.223	9.223	0.000	91	1997862	100.0	98.9	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	55	1911539	100.0	100.2	
99 N-Propylbenzene	91	9.327	9.321	0.005	98	9029302	100.0	110.0	
100 1,2,3-Trichloropropane	110	9.339	9.333	0.006	67	664992	100.0	95.6	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.357	0.006	86	689594	100.0	108.0	
103 2-Chlorotoluene	126	9.424	9.424	0.000	96	1805038	100.0	100.7	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	93	6838717	100.0	109.9	
105 4-Chlorotoluene	126	9.546	9.546	0.000	98	1880985	100.0	101.9	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	90	1586134	100.0	110.0	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	64	6910495	100.0	109.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	9007794	100.0	113.0	
111 1,3-Dichlorobenzene	146	10.196	10.190	0.006	99	3866878	100.0	99.9	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	7982096	100.0	114.5	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	96	3960457	100.0	97.7	a
115 n-Butylbenzene	91	10.610	10.610	0.000	95	6612666	100.0	111.9	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	97	3808457	100.0	99.6	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	81	359382	100.0	136.6	M
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	90	2887380	100.0	101.7	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	94	1439828	100.0	109.9	
121 Naphthalene	128	12.283	12.283	0.000	97	8229673	100.0	113.6	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	95	2902924	100.0	101.9	
S 126 1,3-Dichloropropene, Total	1				0			290.1	
S 125 1,2-Dichloroethene, Total	1				0			202.0	
S 123 Total BTEX	1				0			535.1	
S 124 Xylenes, Total	1				0			219.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00497	Amount Added: 50.00	Units: uL	
8260 CORP mix_00220	Amount Added: 50.00	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:35:17 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D

Injection Date: 24-Feb-2022 21:56:30 Instrument ID: HP5973S Operator ID: AG/LH

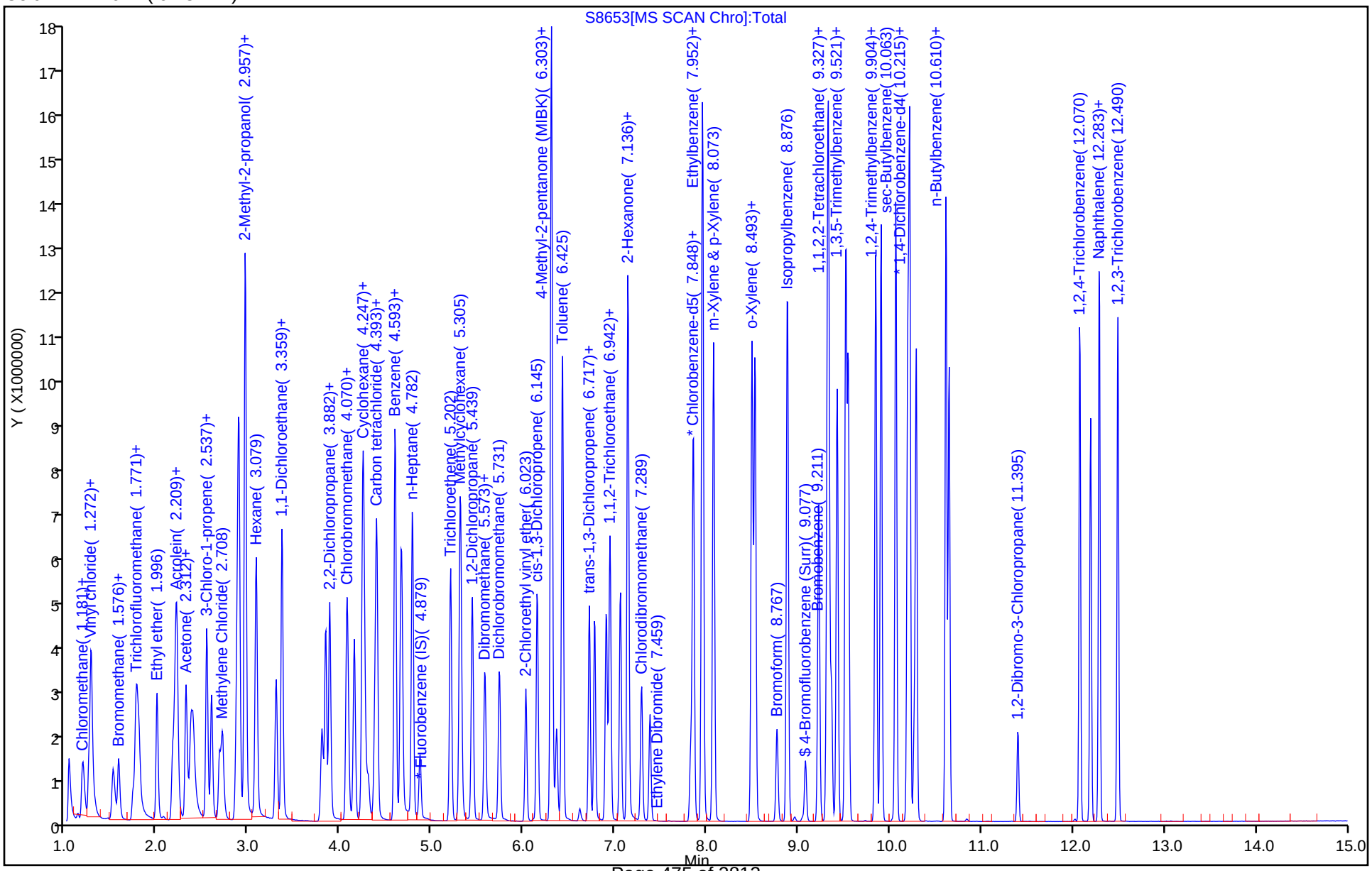
Lims ID: IC 7 Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

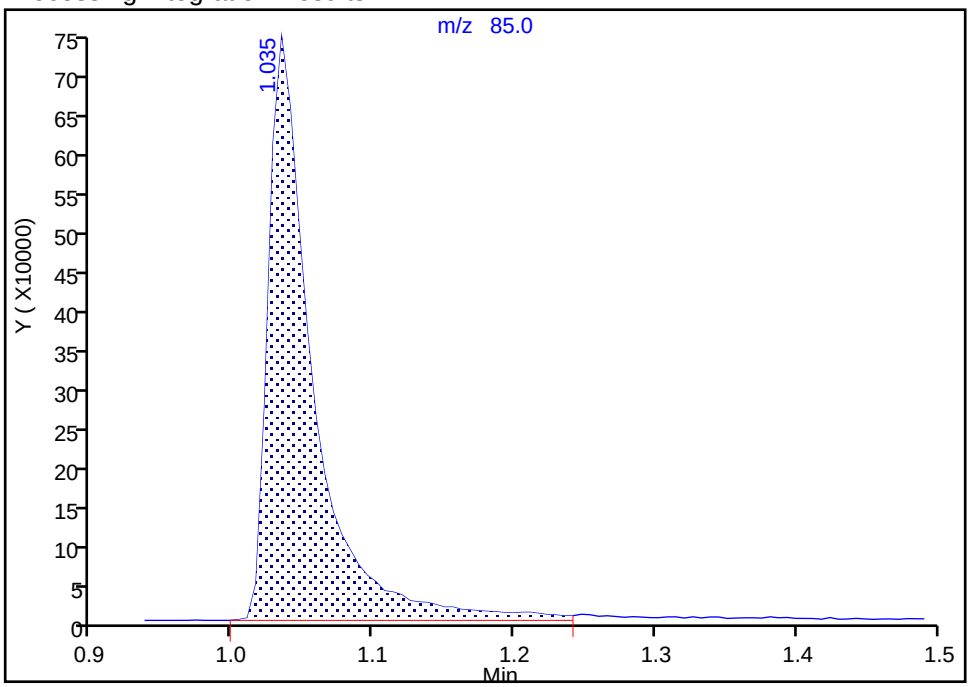
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

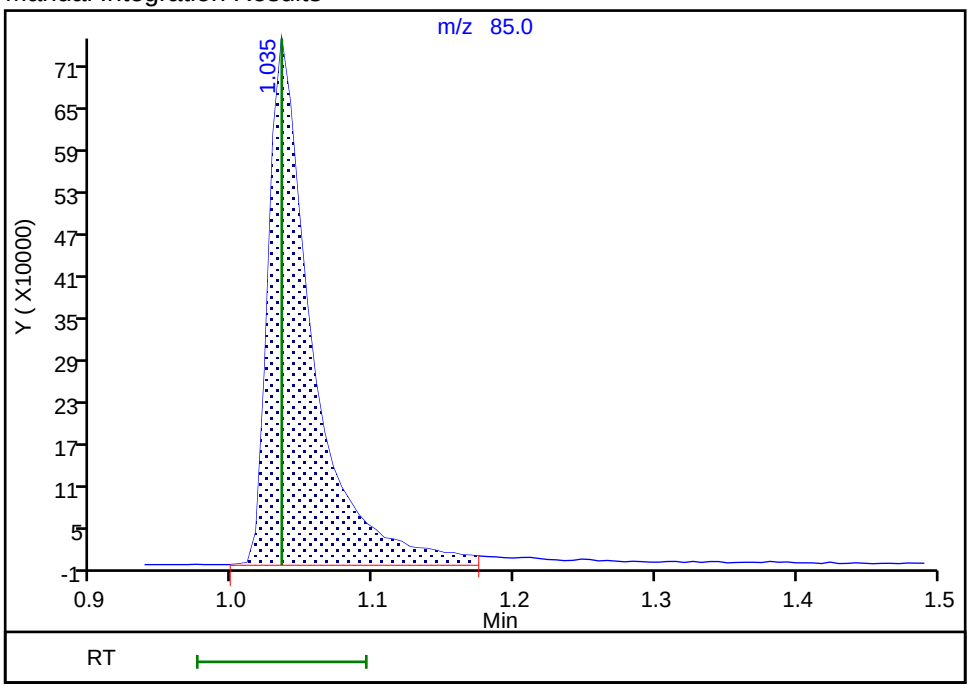
Processing Integration Results

RT: 1.03
Area: 1658599
Amount: 101.1792
Amount Units: ug/L



Manual Integration Results

RT: 1.03
Area: 1633275
Amount: 96.958120
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:48:25

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

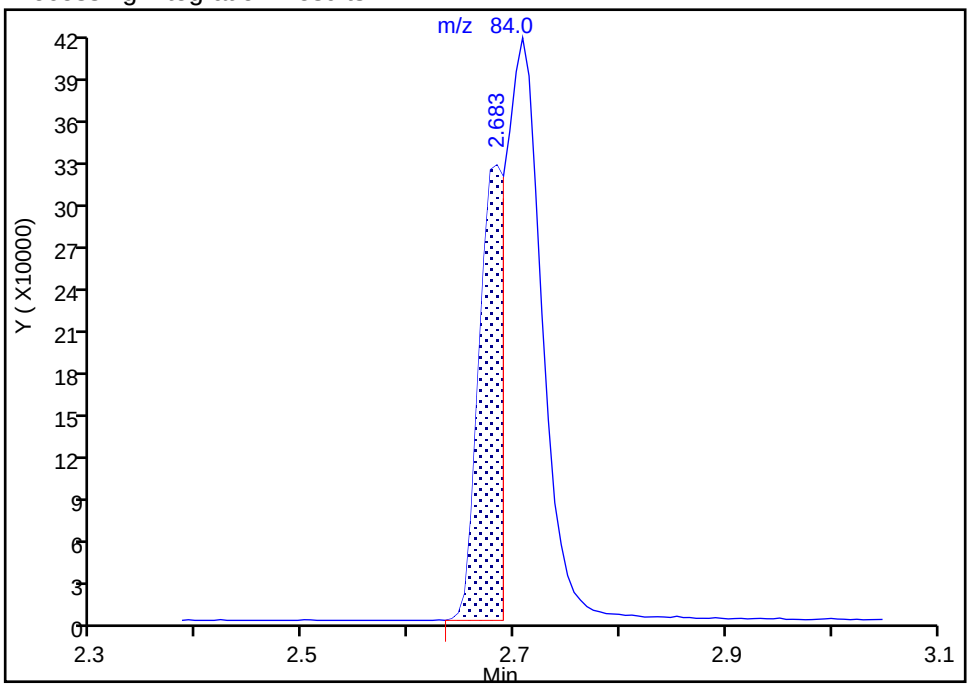
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

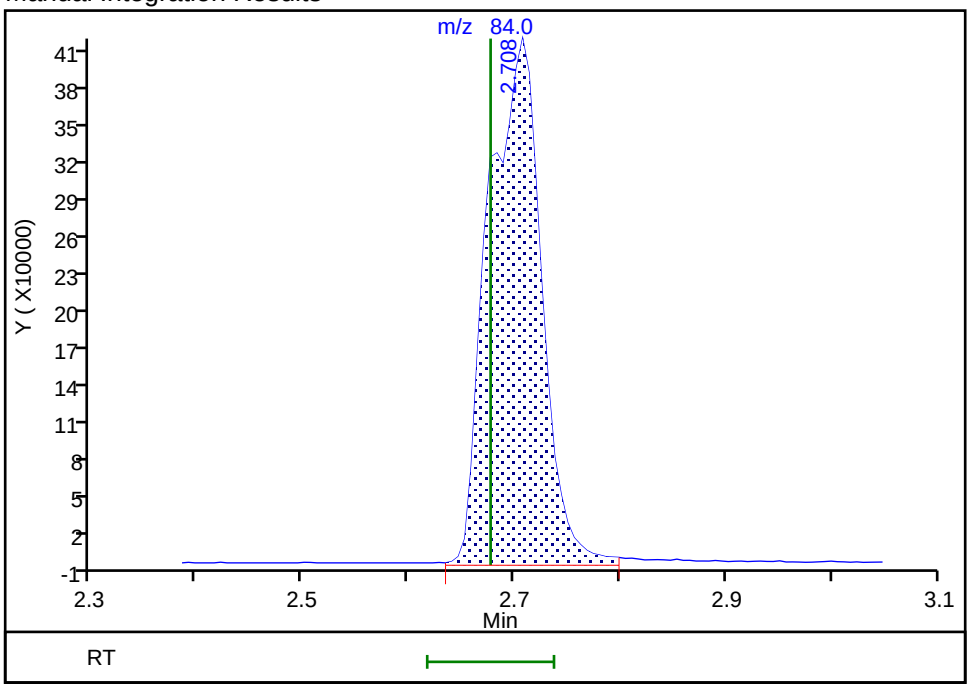
Processing Integration Results

RT: 2.68
Area: 548585
Amount: 53.826946
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 1470358
Amount: 97.853530
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:48:42

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

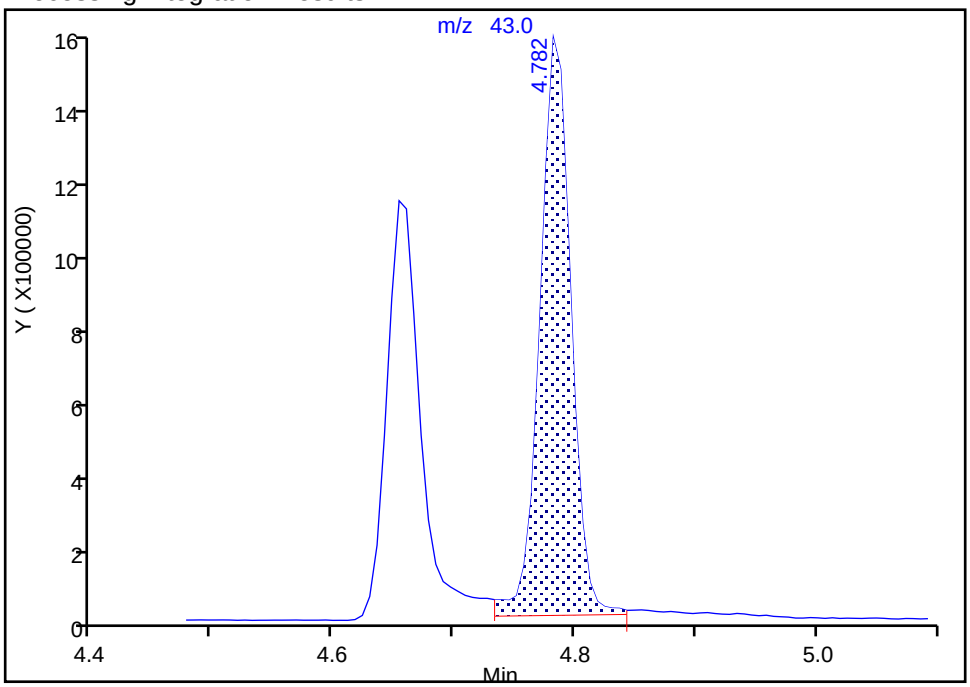
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

59 n-Heptane, CAS: 142-82-5

Signal: 1

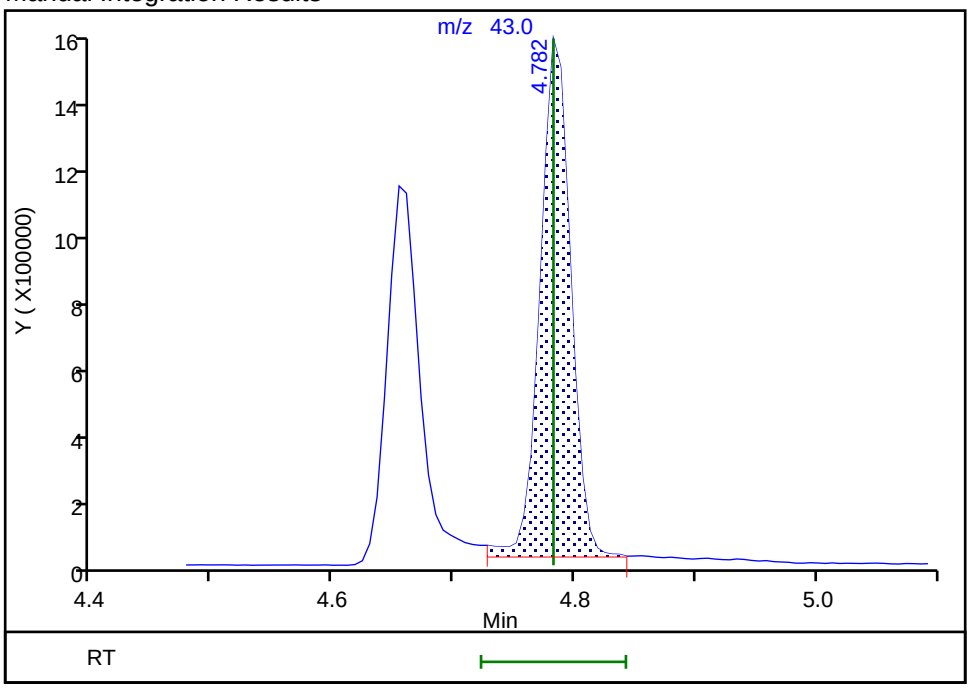
Processing Integration Results

RT: 4.78
Area: 2798927
Amount: 117.4341
Amount Units: ug/L



Manual Integration Results

RT: 4.78
Area: 2735840
Amount: 115.1682
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 13:49:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

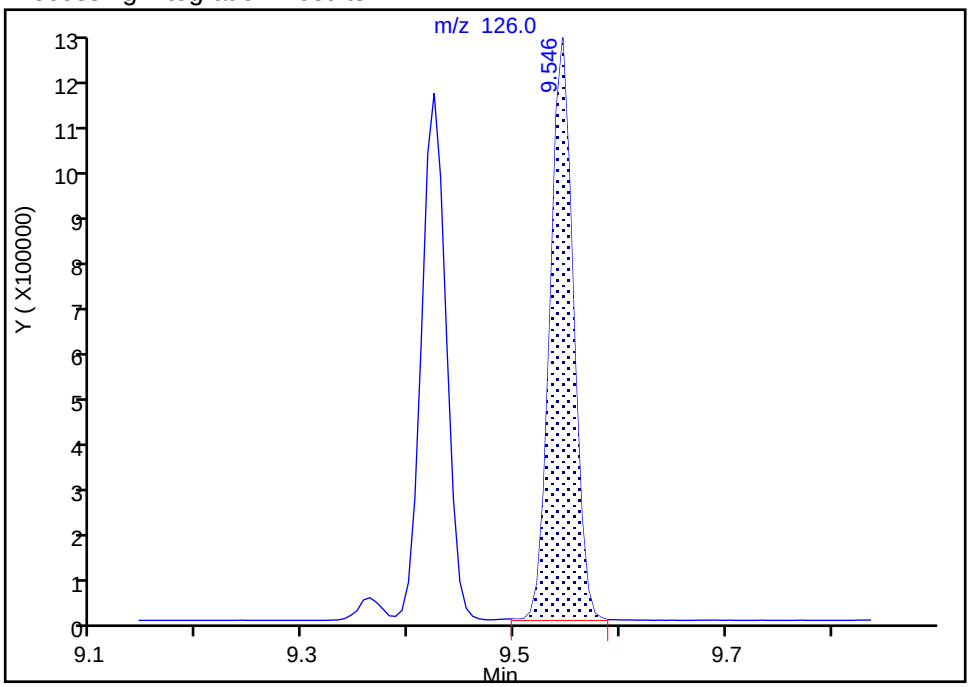
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

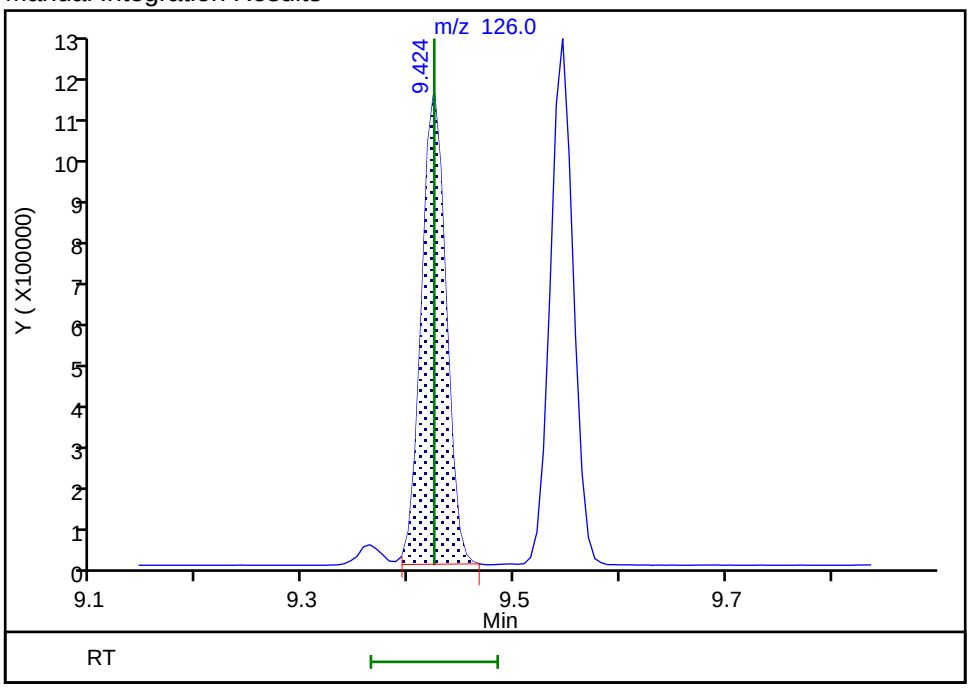
Processing Integration Results

RT: 9.55
Area: 1880985
Amount: 104.4262
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 1805038
Amount: 100.7408
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:55

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

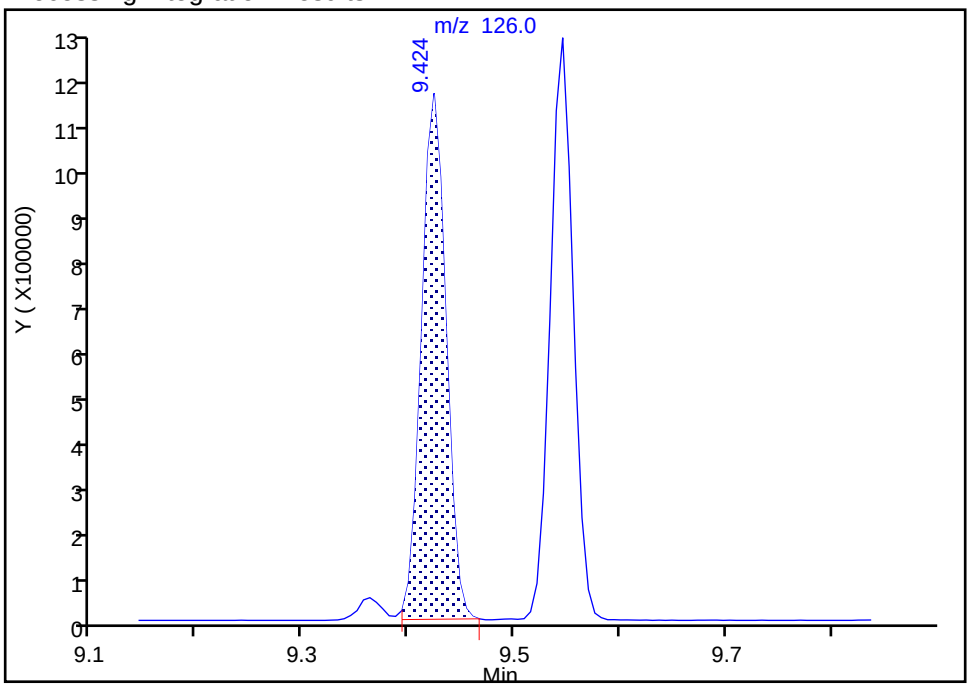
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

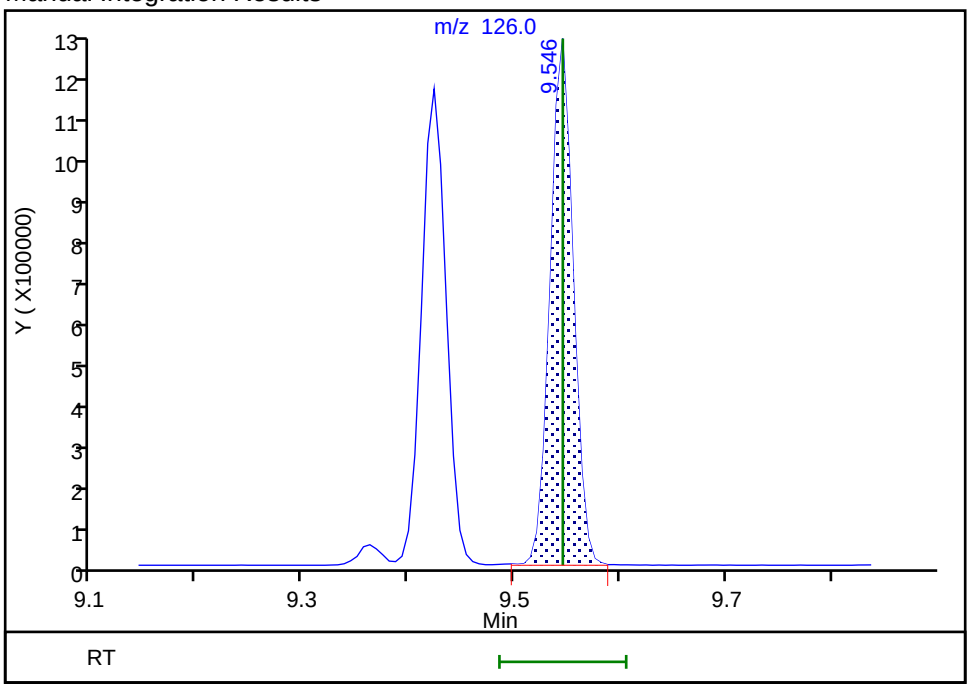
Processing Integration Results

RT: 9.42
Area: 1805038
Amount: 98.331411
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 1880985
Amount: 101.8666
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:44:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

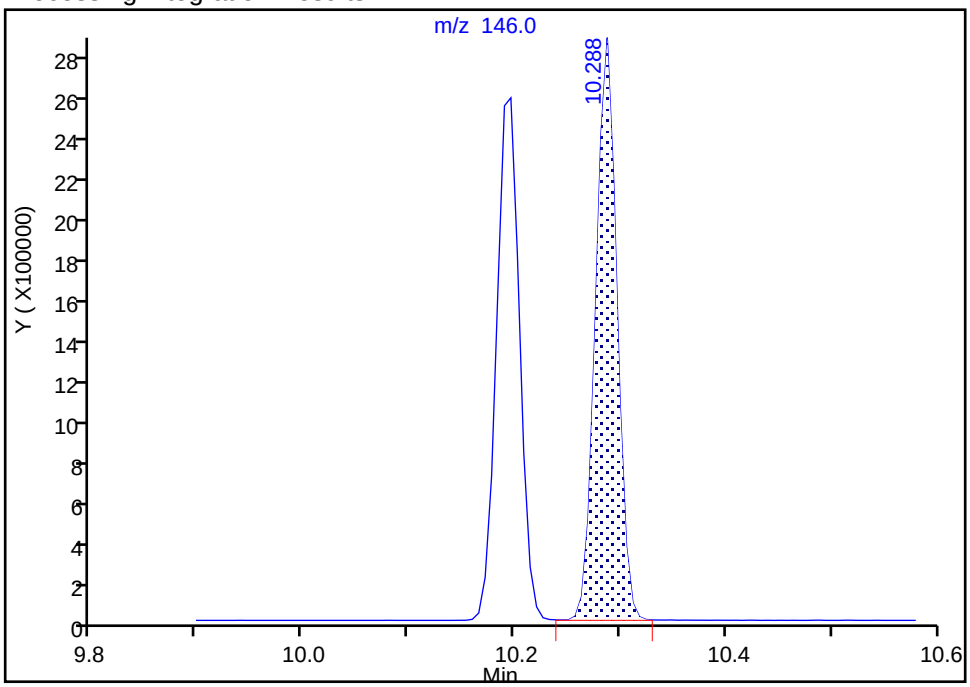
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

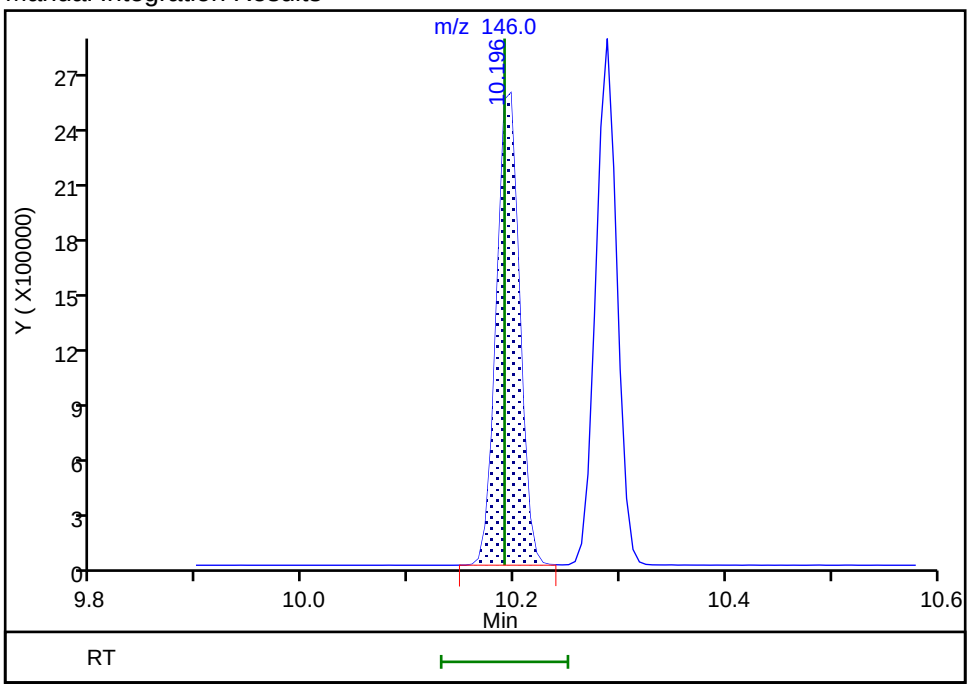
Processing Integration Results

RT: 10.29
Area: 3961070
Amount: 102.0139
Amount Units: ug/L



Manual Integration Results

RT: 10.20
Area: 3866878
Amount: 99.934435
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:45:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

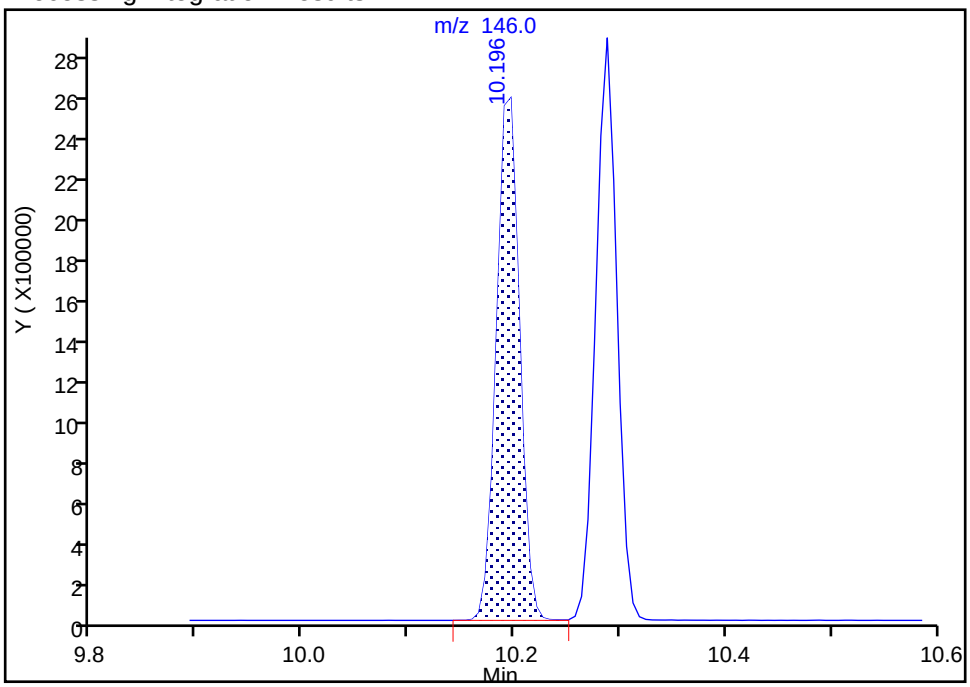
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

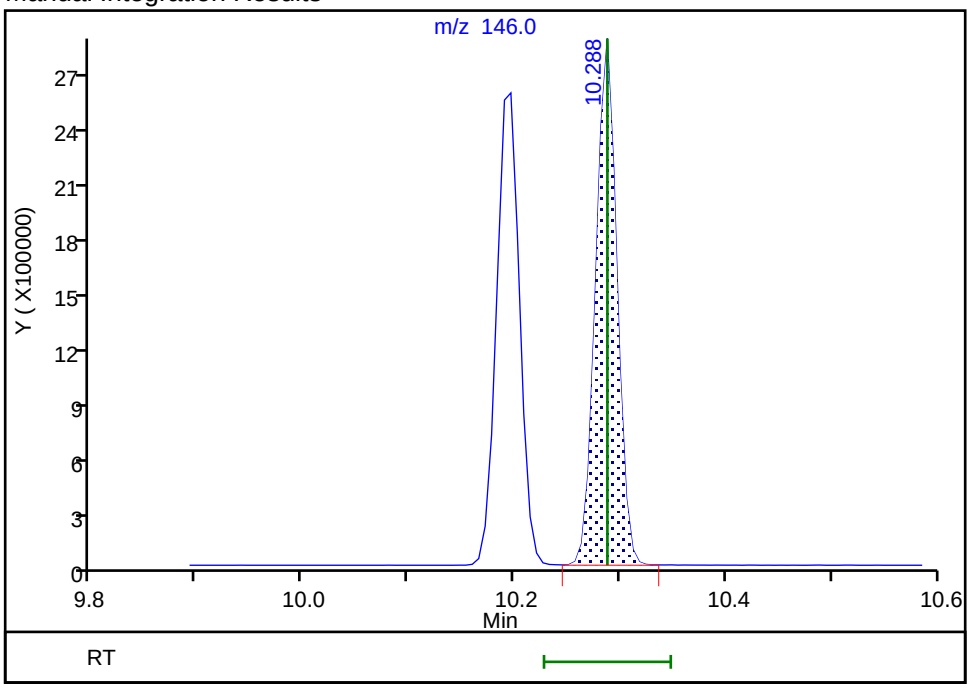
Processing Integration Results

RT: 10.20
Area: 3871003
Amount: 95.777392
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 3960457
Amount: 97.720331
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:45:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

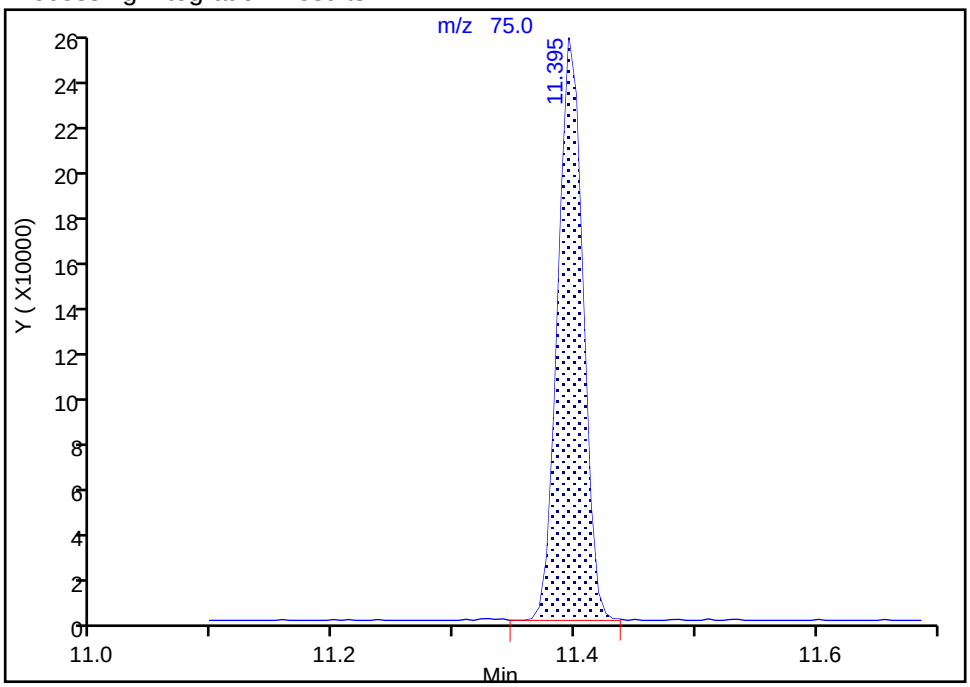
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8653.D				
Injection Date:	24-Feb-2022 21:56:30	Instrument ID:	HP5973S		
Lims ID:	IC 7				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

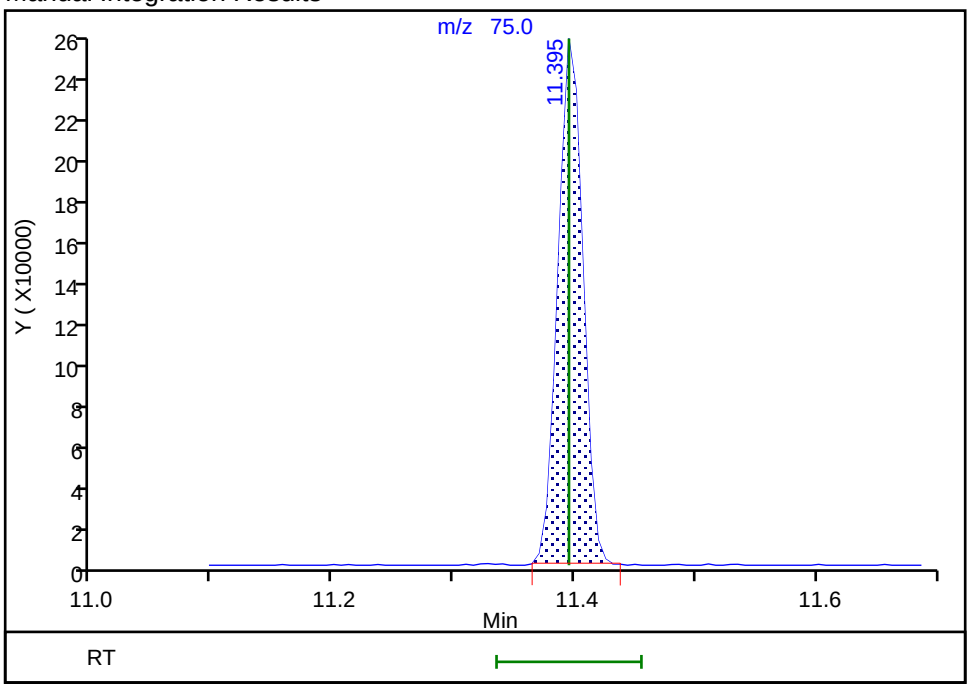
Processing Integration Results

RT: 11.39
Area: 364047
Amount: 131.5901
Amount Units: ug/L



Manual Integration Results

RT: 11.39
Area: 359382
Amount: 136.5913
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 17:21:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

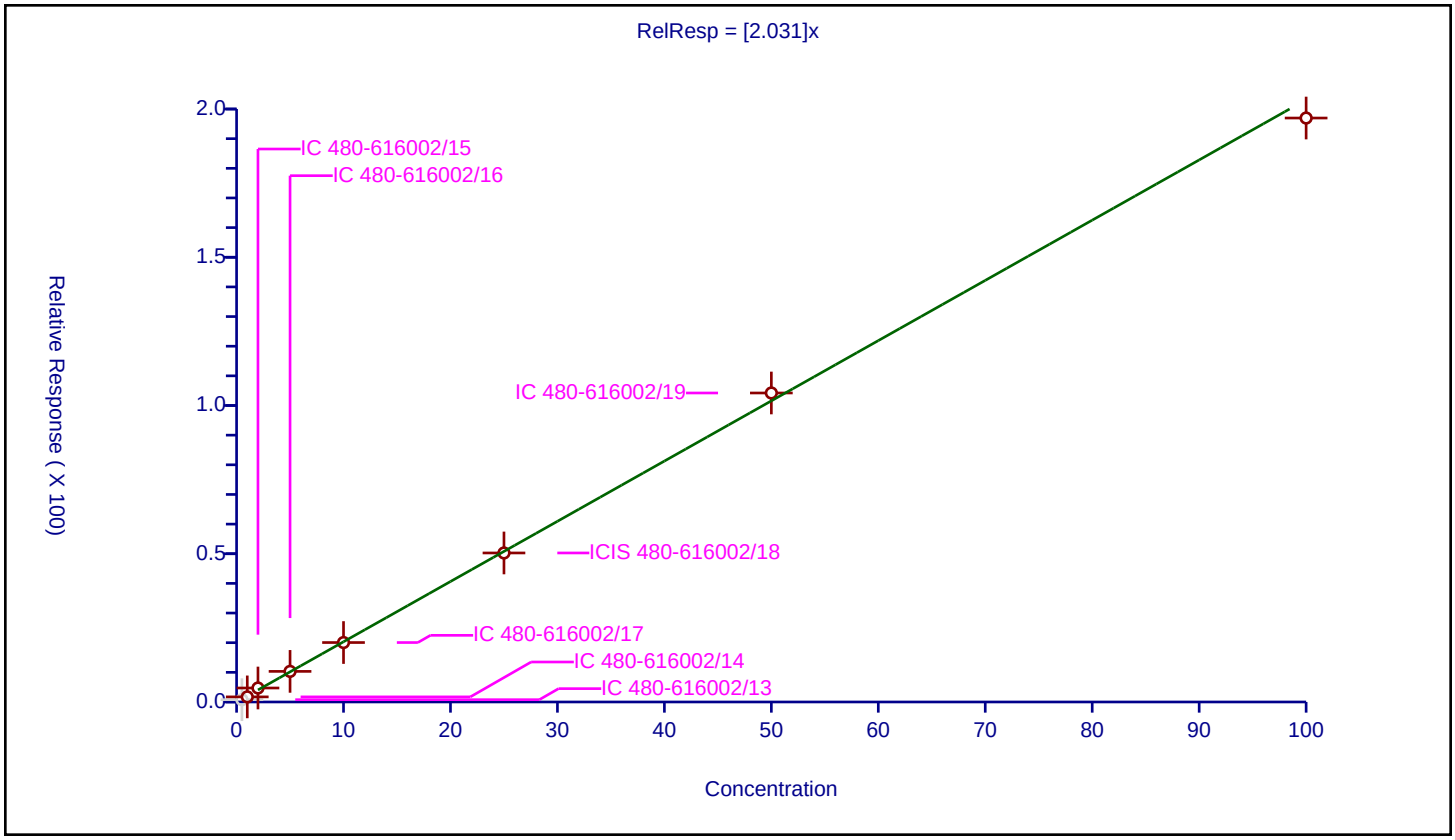
Curve Coefficients

Intercept:	0
Slope:	2.031

Error Coefficients

Standard Error:	764000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.782153	25.0	171354.0	1.564305	N
2	IC 480-616002/14	1.0	1.726104	25.0	187648.0	1.726104	Y
3	IC 480-616002/15	2.0	4.717607	25.0	177129.0	2.358803	Y
4	IC 480-616002/16	5.0	10.324373	25.0	179500.0	2.064875	Y
5	IC 480-616002/17	10.0	20.051918	25.0	181151.0	2.005192	Y
6	ICIS 480-616002/18	25.0	50.263495	25.0	194975.0	2.01054	Y
7	IC 480-616002/19	50.0	104.221327	25.0	194382.0	2.084427	Y
8	IC 480-616002/20	100.0	196.95667	25.0	207314.0	1.969567	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

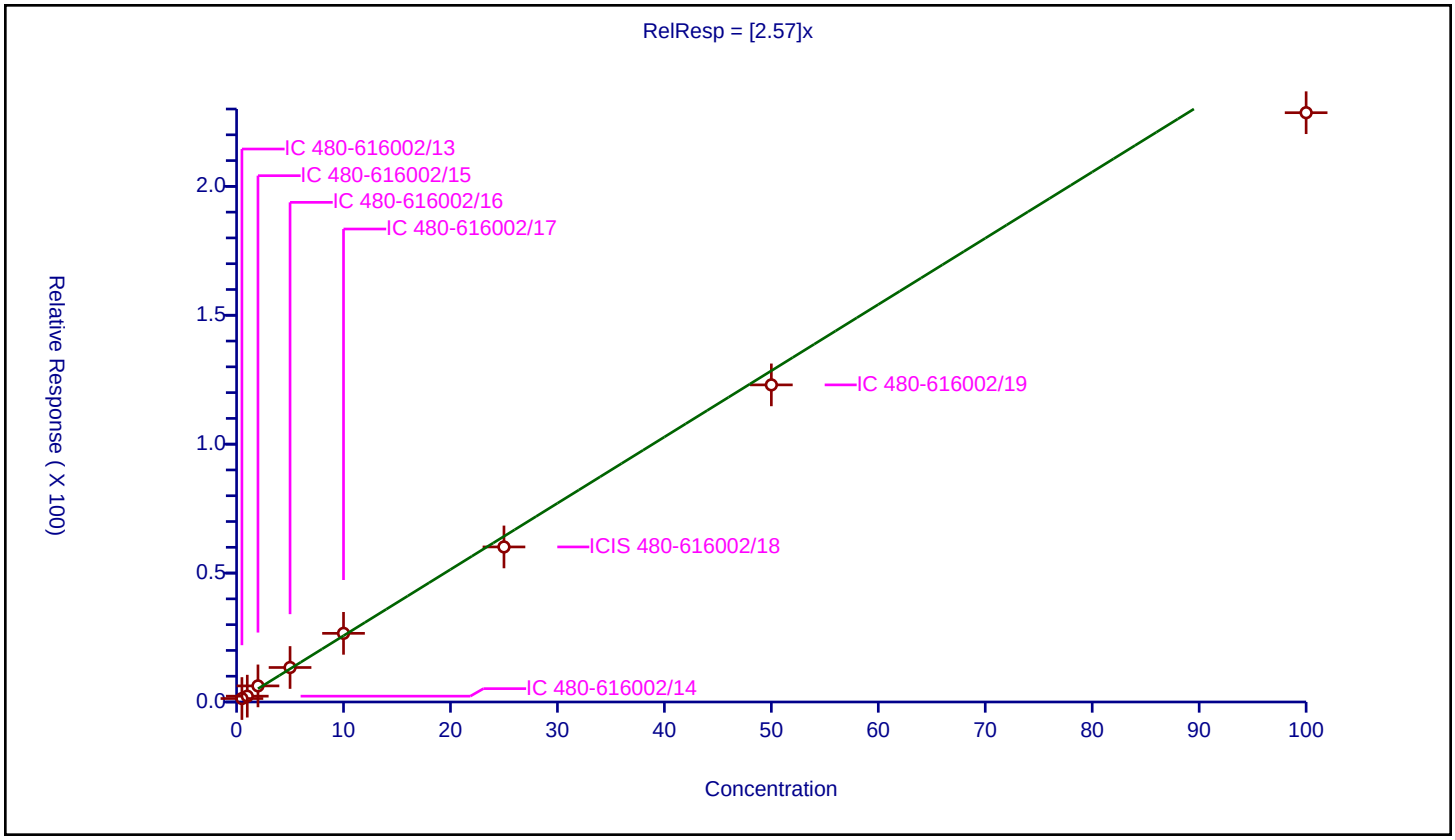
Curve Coefficients

Intercept:	0
Slope:	2.57

Error Coefficients

Standard Error:	826000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.344293	25.0	171354.0	2.688586	Y
2	IC 480-616002/14	1.0	2.255953	25.0	187648.0	2.255953	Y
3	IC 480-616002/15	2.0	6.246436	25.0	177129.0	3.123218	Y
4	IC 480-616002/16	5.0	13.374234	25.0	179500.0	2.674847	Y
5	IC 480-616002/17	10.0	26.632478	25.0	181151.0	2.663248	Y
6	ICIS 480-616002/18	25.0	60.1413	25.0	194975.0	2.405652	Y
7	IC 480-616002/19	50.0	122.993384	25.0	194382.0	2.459868	Y
8	IC 480-616002/20	100.0	228.570671	25.0	207314.0	2.285707	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

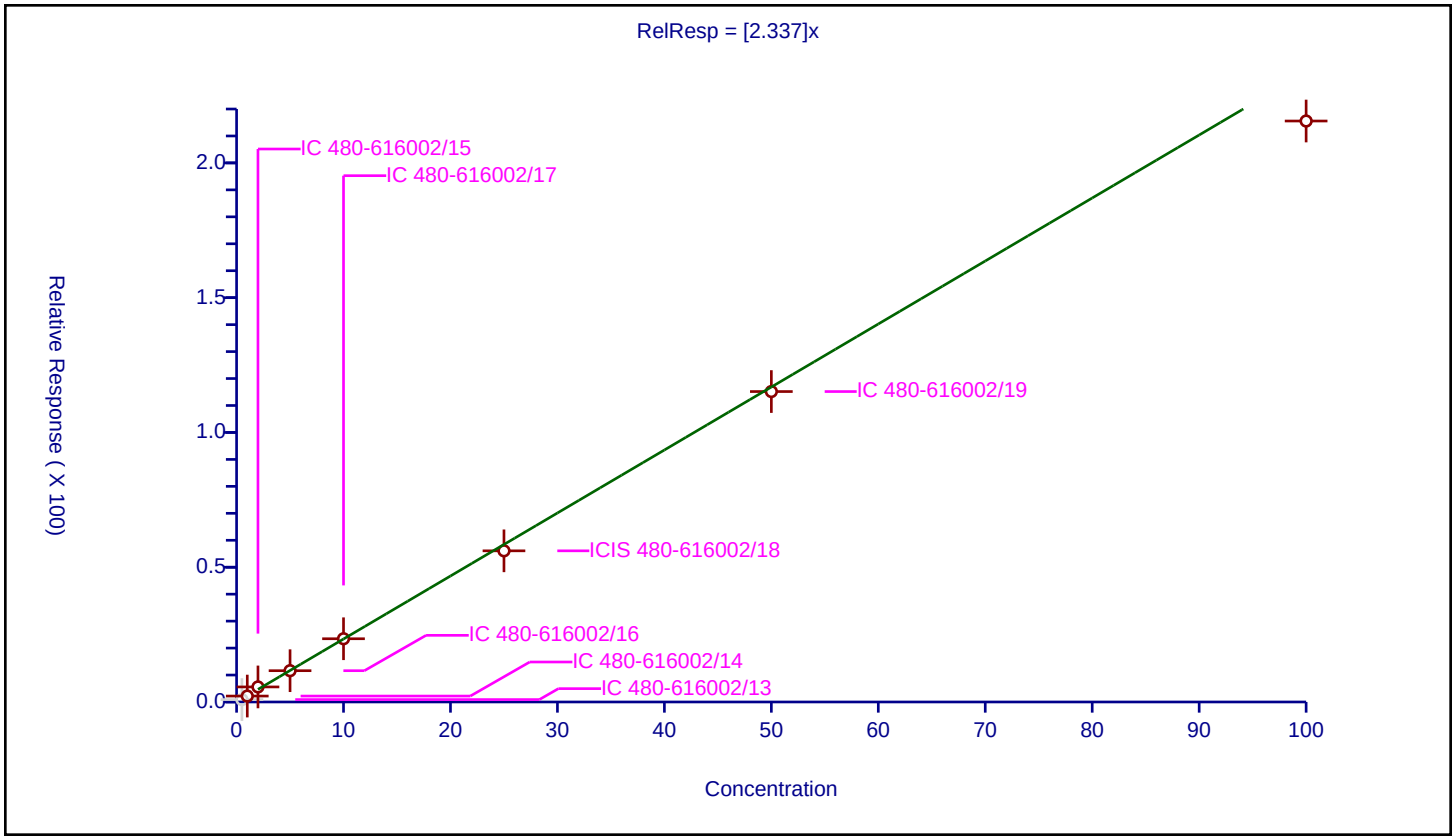
Curve Coefficients

Intercept:	0
Slope:	2.337

Error Coefficients

Standard Error:	839000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.892159	25.0	171354.0	1.784318	N
2	IC 480-616002/14	1.0	2.197332	25.0	187648.0	2.197332	Y
3	IC 480-616002/15	2.0	5.587312	25.0	177129.0	2.793656	Y
4	IC 480-616002/16	5.0	11.607799	25.0	179500.0	2.32156	Y
5	IC 480-616002/17	10.0	23.45902	25.0	181151.0	2.345902	Y
6	ICIS 480-616002/18	25.0	56.084113	25.0	194975.0	2.243365	Y
7	IC 480-616002/19	50.0	115.178617	25.0	194382.0	2.303572	Y
8	IC 480-616002/20	100.0	215.548033	25.0	207314.0	2.15548	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

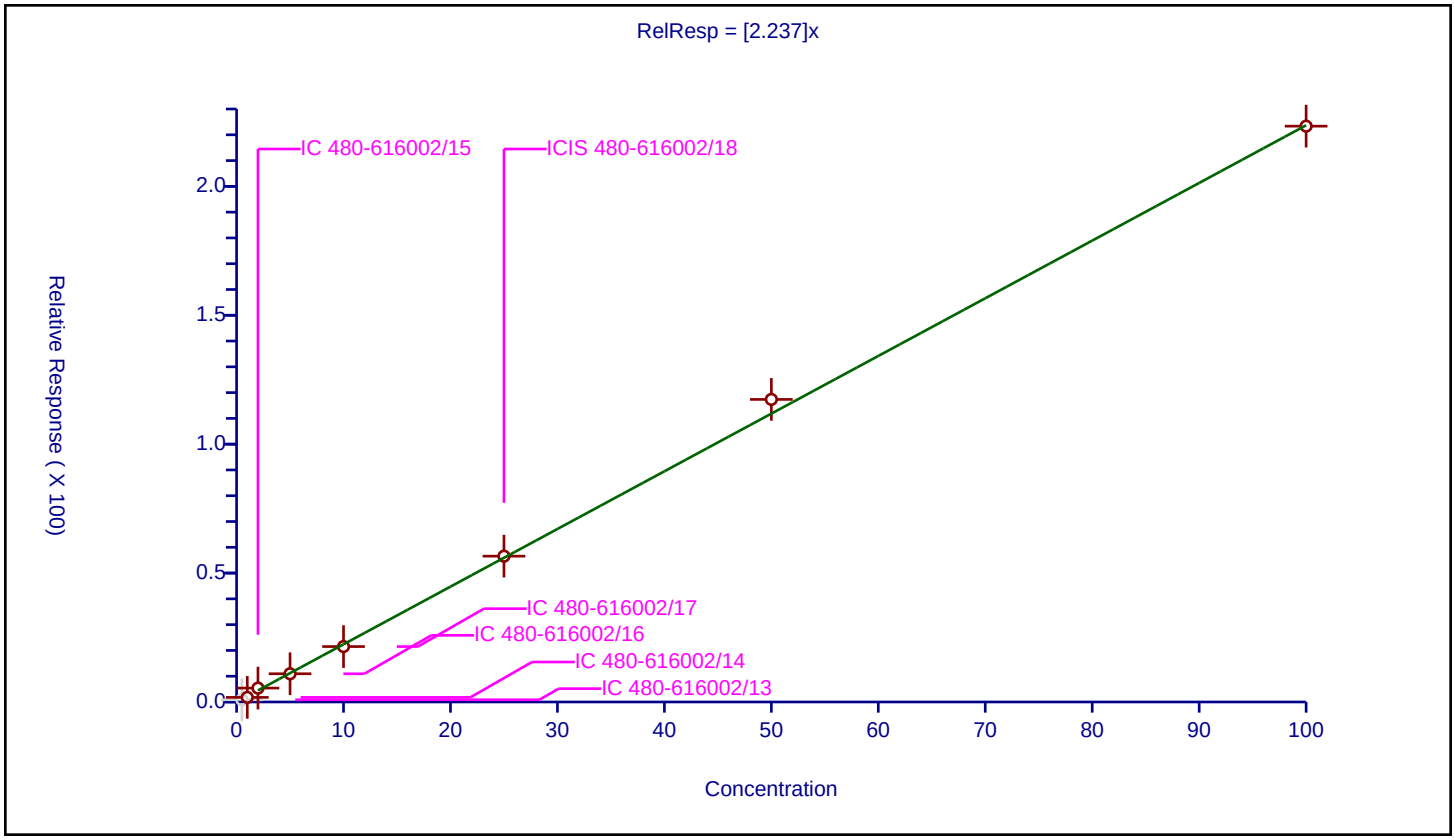
Curve Coefficients

Intercept:	0
Slope:	2.237

Error Coefficients

Standard Error:	865000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.865752	25.0	171354.0	1.731503	N
2	IC 480-616002/14	1.0	1.780728	25.0	187648.0	1.780728	Y
3	IC 480-616002/15	2.0	5.38901	25.0	177129.0	2.694505	Y
4	IC 480-616002/16	5.0	10.949164	25.0	179500.0	2.189833	Y
5	IC 480-616002/17	10.0	21.499191	25.0	181151.0	2.149919	Y
6	ICIS 480-616002/18	25.0	56.560456	25.0	194975.0	2.262418	Y
7	IC 480-616002/19	50.0	117.364391	25.0	194382.0	2.347288	Y
8	IC 480-616002/20	100.0	223.351173	25.0	207314.0	2.233512	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

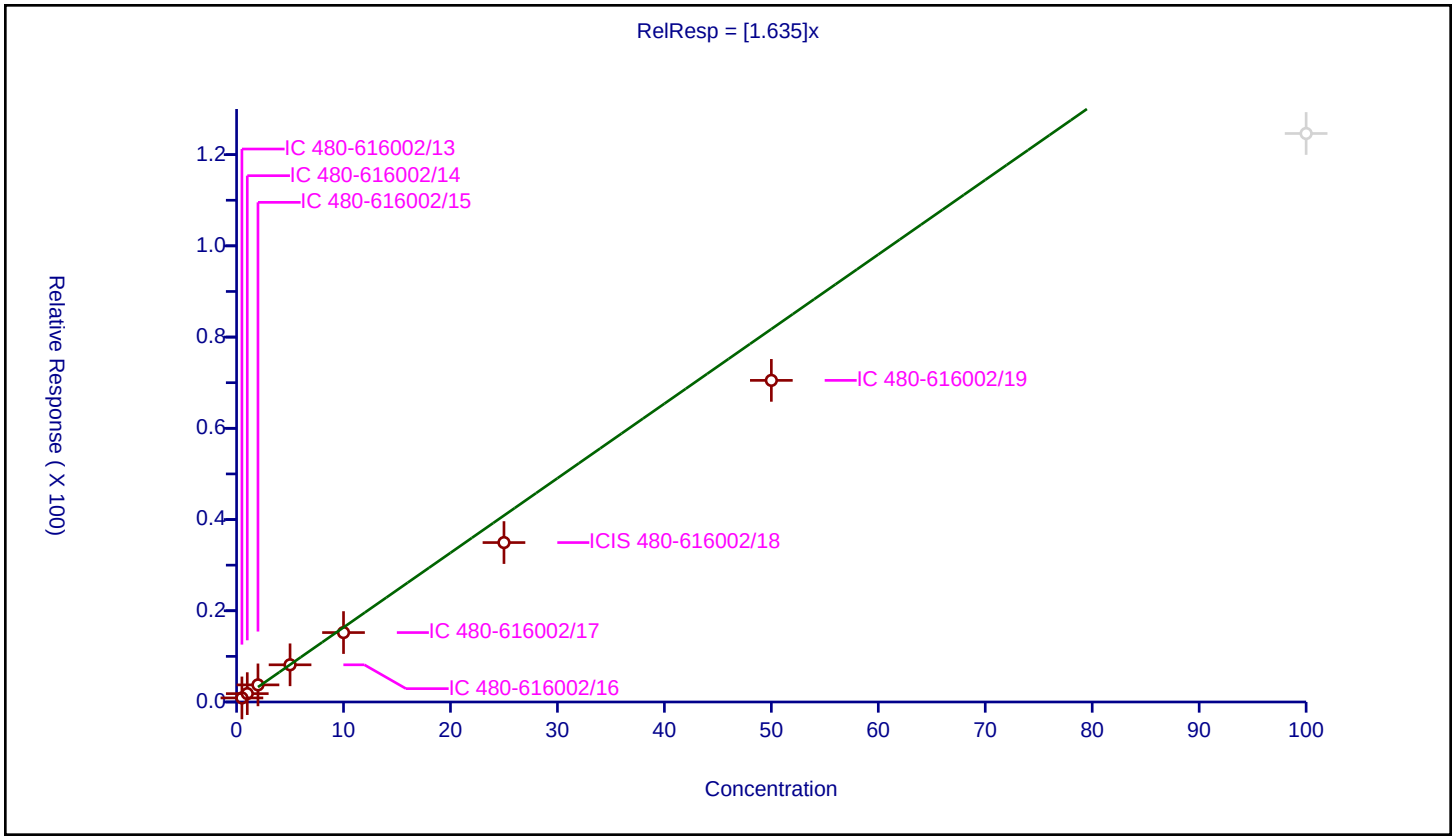
Curve Coefficients

Intercept:	0
Slope:	1.635

Error Coefficients

Standard Error:	255000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.888657	25.0	171354.0	1.777315	Y
2	IC 480-616002/14	1.0	1.833886	25.0	187648.0	1.833886	Y
3	IC 480-616002/15	2.0	3.747551	25.0	177129.0	1.873776	Y
4	IC 480-616002/16	5.0	8.154178	25.0	179500.0	1.630836	Y
5	IC 480-616002/17	10.0	15.218243	25.0	181151.0	1.521824	Y
6	ICIS 480-616002/18	25.0	34.951789	25.0	194975.0	1.398072	Y
7	IC 480-616002/19	50.0	70.508329	25.0	194382.0	1.410167	Y
8	IC 480-616002/20	100.0	124.630995	25.0	207314.0	1.24631	N



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

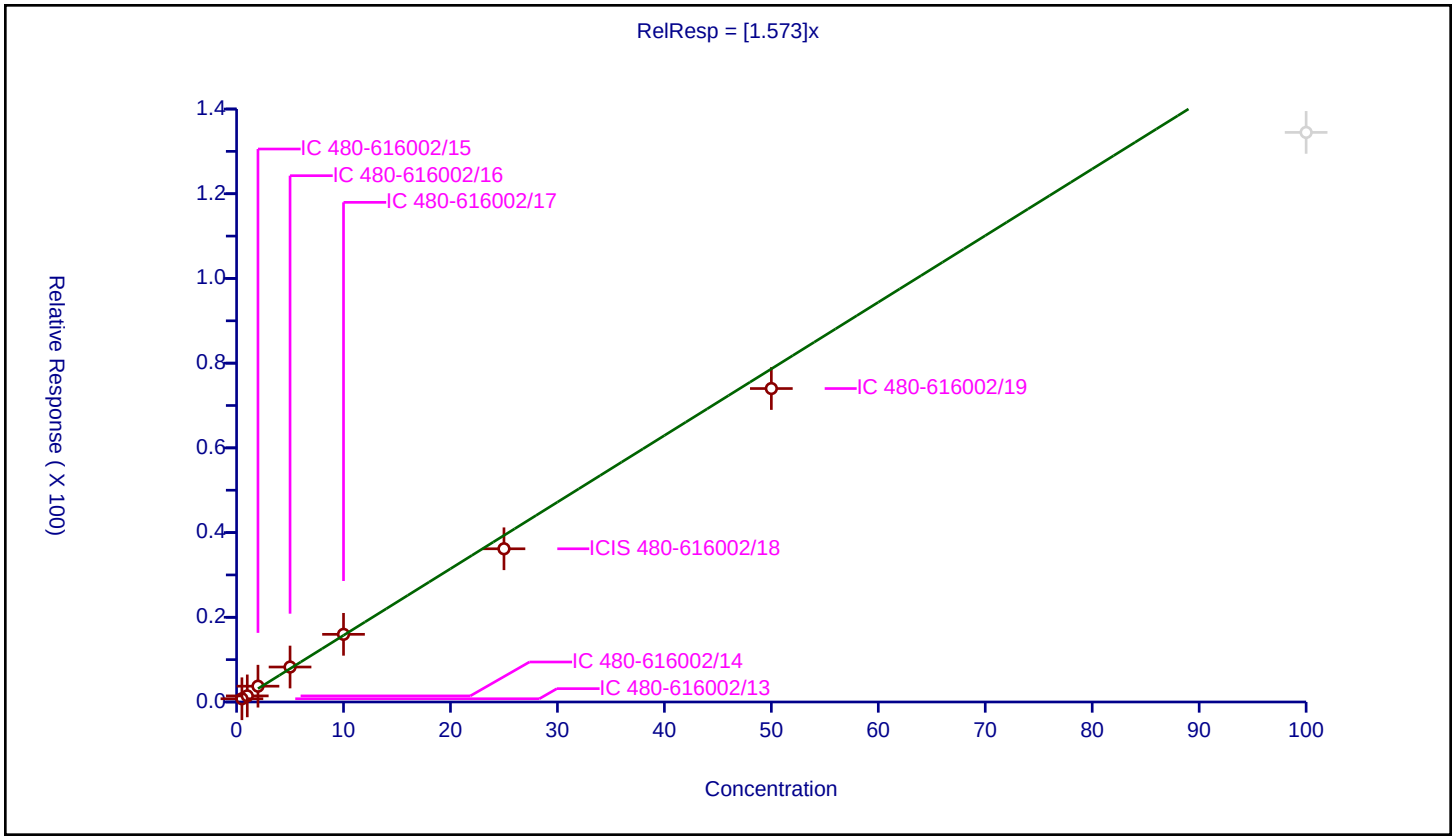
Curve Coefficients

Intercept:	0
Slope:	1.573

Error Coefficients

Standard Error:	267000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.767271	25.0	171354.0	1.534543	Y
2	IC 480-616002/14	1.0	1.436466	25.0	187648.0	1.436466	Y
3	IC 480-616002/15	2.0	3.728215	25.0	177129.0	1.864108	Y
4	IC 480-616002/16	5.0	8.255153	25.0	179500.0	1.651031	Y
5	IC 480-616002/17	10.0	15.975899	25.0	181151.0	1.59759	Y
6	ICIS 480-616002/18	25.0	36.173227	25.0	194975.0	1.446929	Y
7	IC 480-616002/19	50.0	74.008267	25.0	194382.0	1.480165	Y
8	IC 480-616002/20	100.0	134.477652	25.0	207314.0	1.344777	N



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

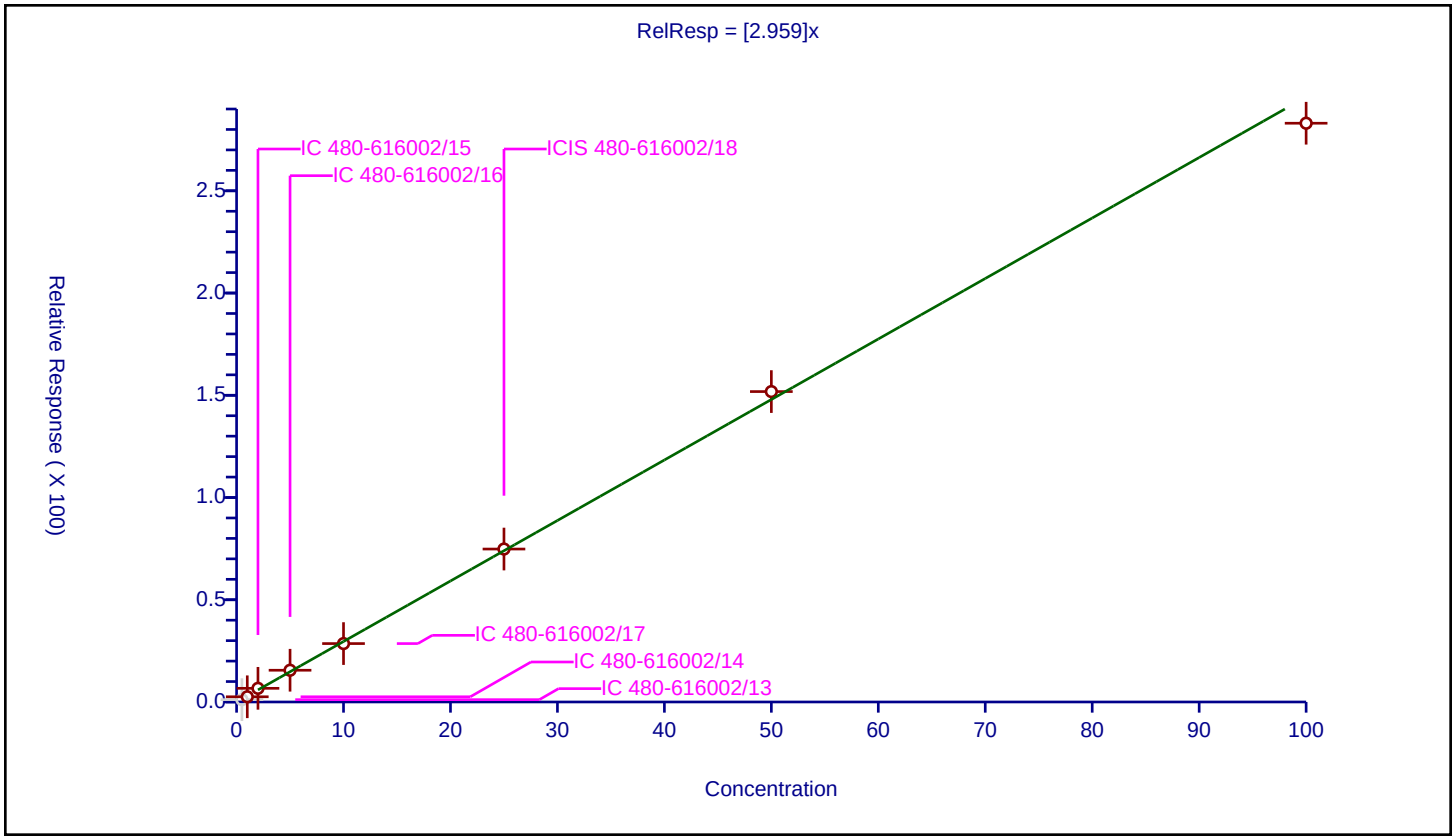
Curve Coefficients

Intercept:	0
Slope:	2.959

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.143393	25.0	171354.0	2.286786	N
2	IC 480-616002/14	1.0	2.551053	25.0	187648.0	2.551053	Y
3	IC 480-616002/15	2.0	6.677478	25.0	177129.0	3.338739	Y
4	IC 480-616002/16	5.0	15.521309	25.0	179500.0	3.104262	Y
5	IC 480-616002/17	10.0	28.572848	25.0	181151.0	2.857285	Y
6	ICIS 480-616002/18	25.0	74.803052	25.0	194975.0	2.992122	Y
7	IC 480-616002/19	50.0	151.817169	25.0	194382.0	3.036343	Y
8	IC 480-616002/20	100.0	283.051796	25.0	207314.0	2.830518	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

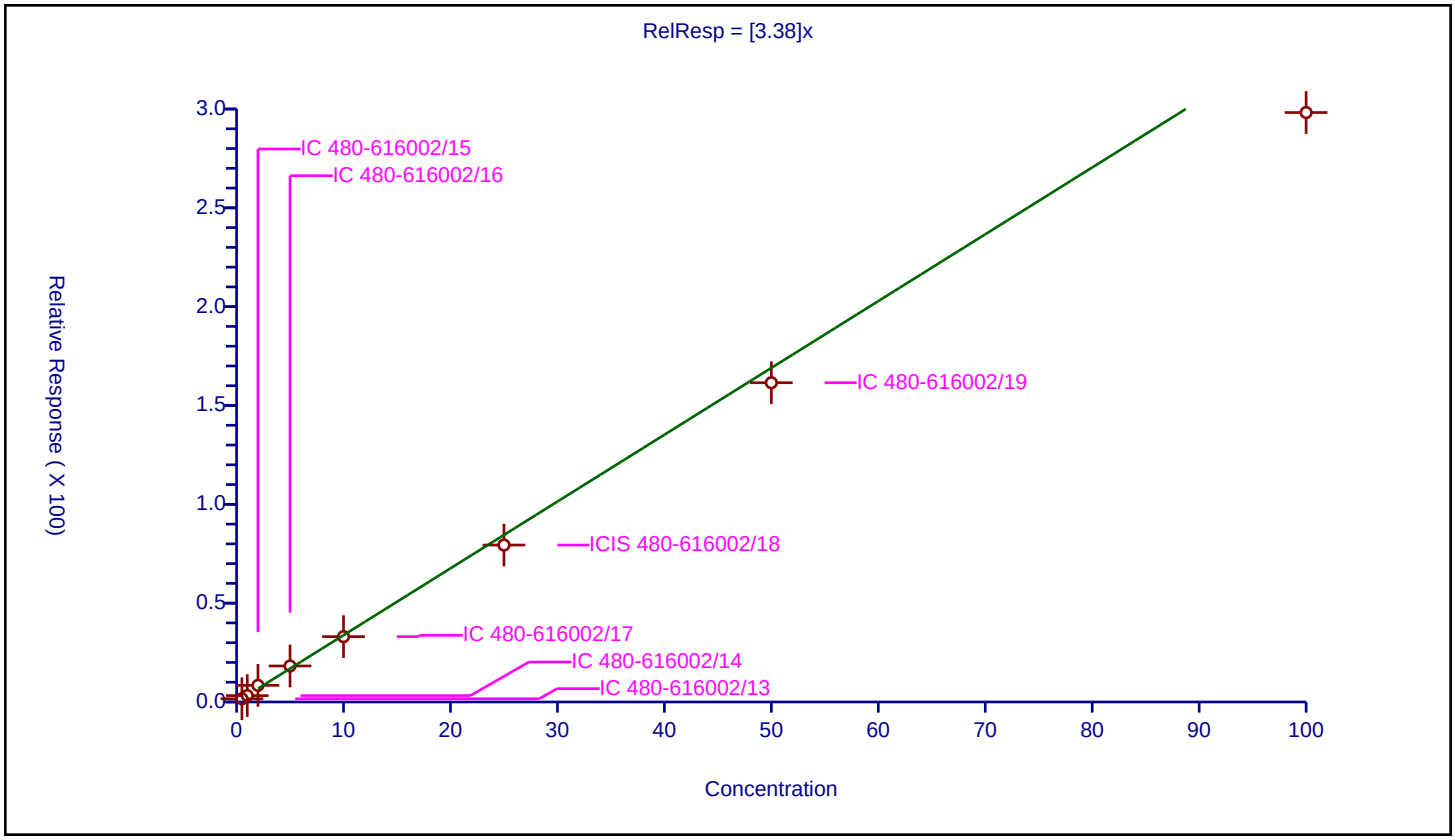
Curve Coefficients

Intercept:	0
Slope:	3.38

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.637546	25.0	171354.0	3.275091	Y
2	IC 480-616002/14	1.0	3.227452	25.0	187648.0	3.227452	Y
3	IC 480-616002/15	2.0	8.405032	25.0	177129.0	4.202516	Y
4	IC 480-616002/16	5.0	18.213649	25.0	179500.0	3.64273	Y
5	IC 480-616002/17	10.0	33.055434	25.0	181151.0	3.305543	Y
6	ICIS 480-616002/18	25.0	79.406334	25.0	194975.0	3.176253	Y
7	IC 480-616002/19	50.0	161.522672	25.0	194382.0	3.230453	Y
8	IC 480-616002/20	100.0	298.215871	25.0	207314.0	2.982159	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

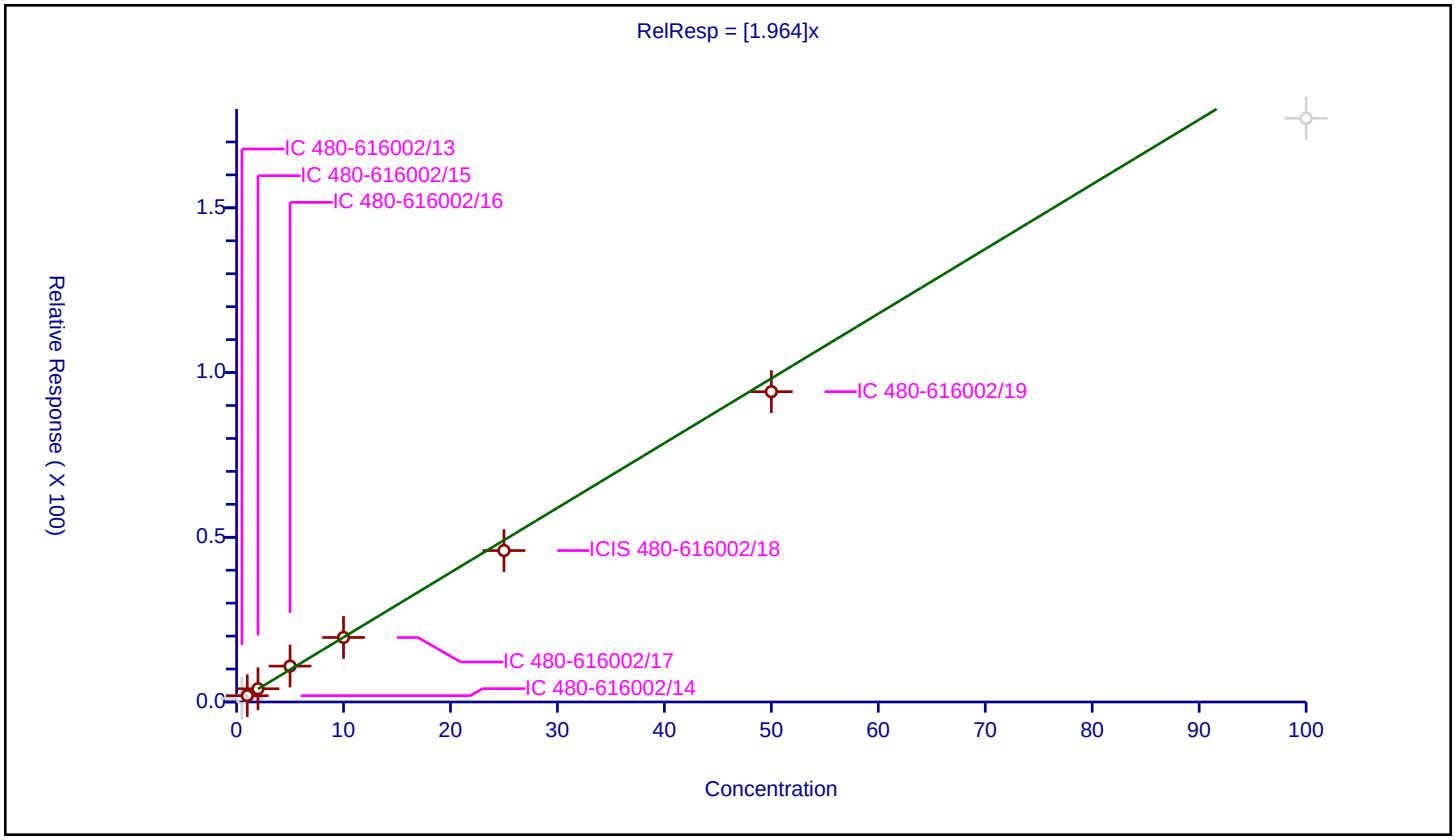
Curve Coefficients

Intercept:	0
Slope:	1.964

Error Coefficients

Standard Error:	372000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.118445	25.0	171354.0	2.23689	N
2	IC 480-616002/14	1.0	1.91782	25.0	187648.0	1.91782	Y
3	IC 480-616002/15	2.0	4.015435	25.0	177129.0	2.007718	Y
4	IC 480-616002/16	5.0	10.892758	25.0	179500.0	2.178552	Y
5	IC 480-616002/17	10.0	19.583662	25.0	181151.0	1.958366	Y
6	ICIS 480-616002/18	25.0	45.968201	25.0	194975.0	1.838728	Y
7	IC 480-616002/19	50.0	94.206125	25.0	194382.0	1.884123	Y
8	IC 480-616002/20	100.0	177.175082	25.0	207314.0	1.771751	N



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

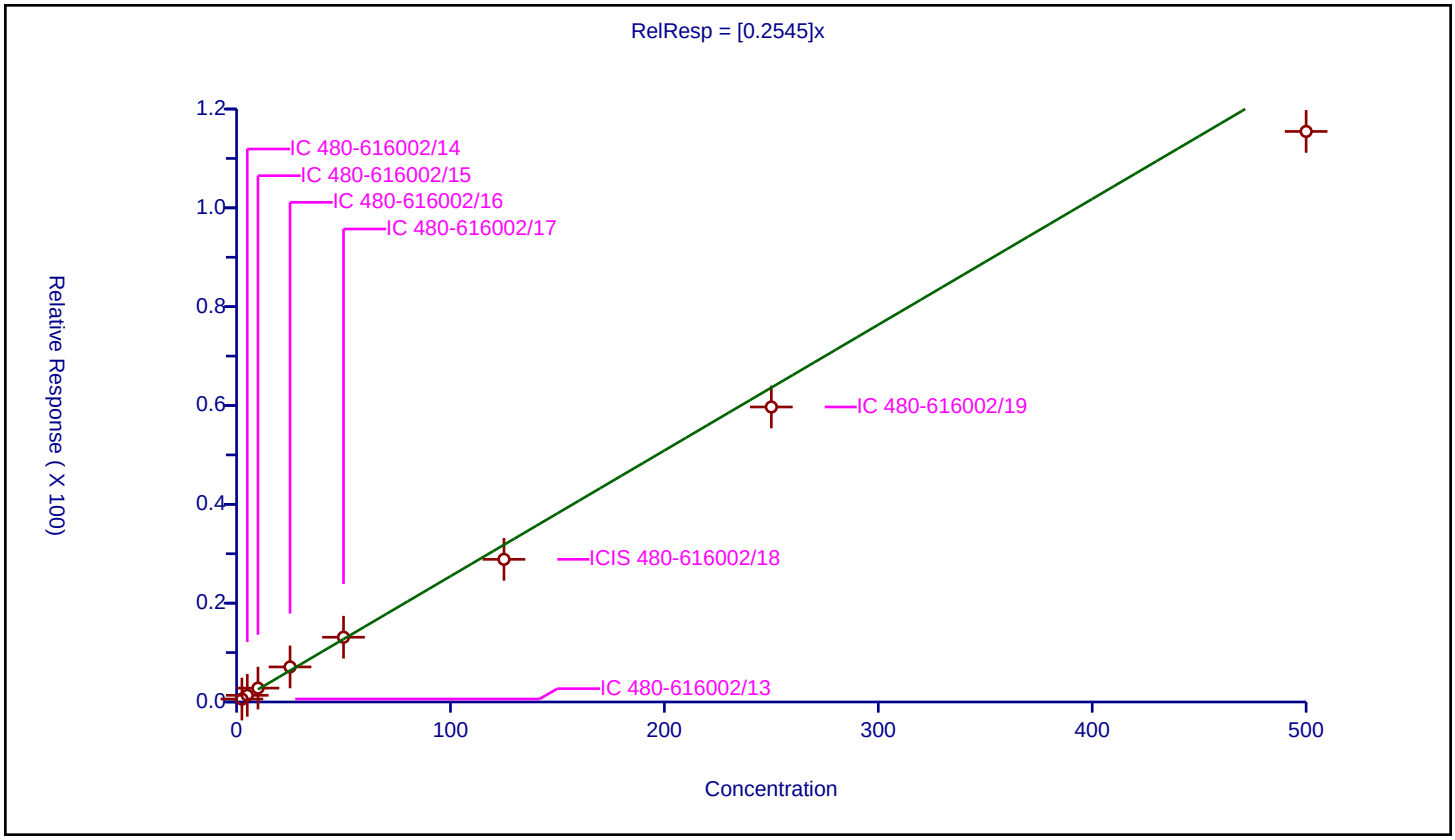
Curve Coefficients

Intercept:	0
Slope:	0.2545

Error Coefficients

Standard Error:	413000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	2.5	0.595843	25.0	171354.0	0.238337	Y
2	IC 480-616002/14	5.0	1.350934	25.0	187648.0	0.270187	Y
3	IC 480-616002/15	10.0	2.807558	25.0	177129.0	0.280756	Y
4	IC 480-616002/16	25.0	7.09429	25.0	179500.0	0.283772	Y
5	IC 480-616002/17	50.0	13.106745	25.0	181151.0	0.262135	Y
6	ICIS 480-616002/18	125.0	28.870112	25.0	194975.0	0.230961	Y
7	IC 480-616002/19	250.0	59.698686	25.0	194382.0	0.238795	Y
8	IC 480-616002/20	500.0	115.462173	25.0	207314.0	0.230924	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

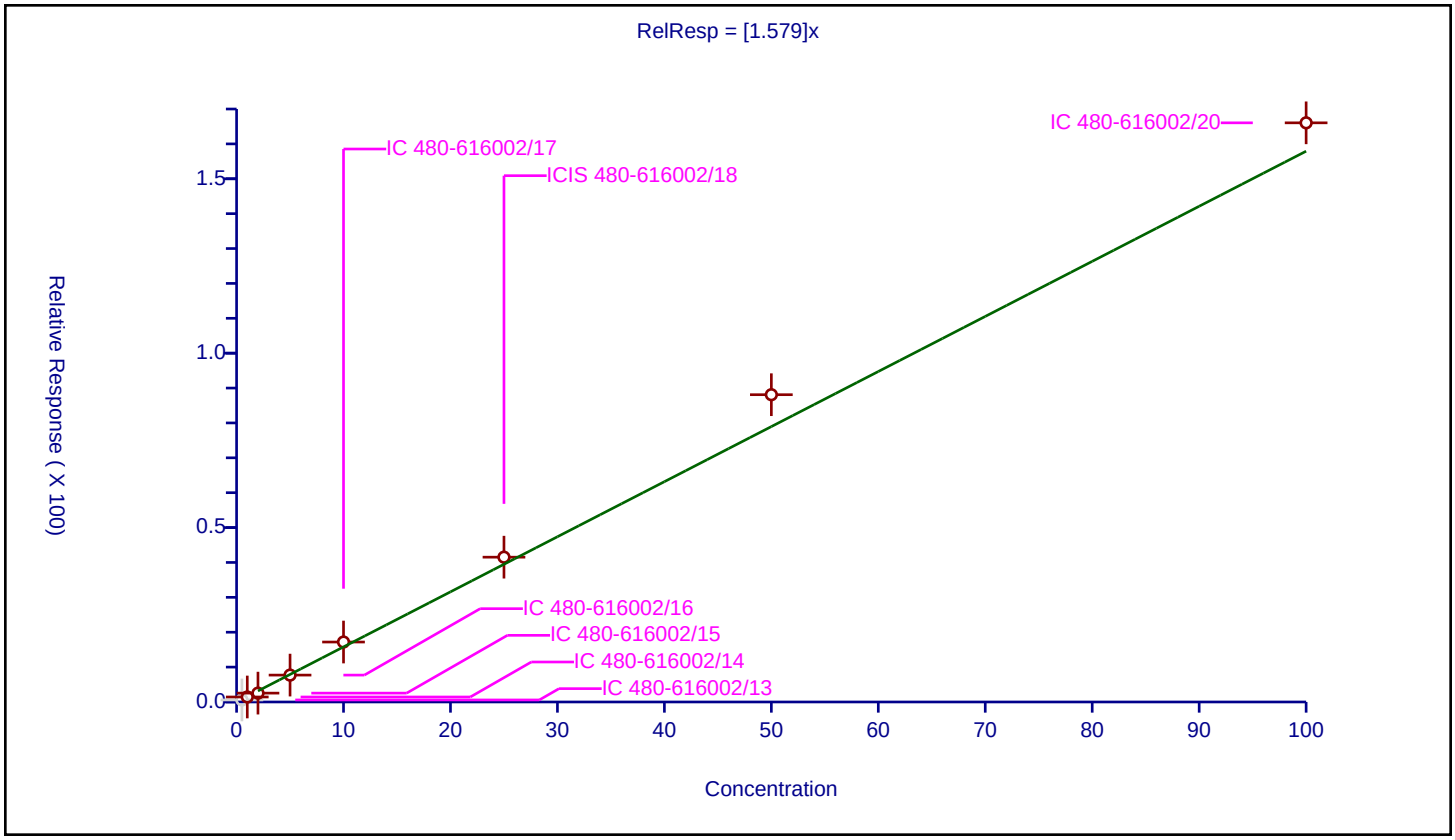
Curve Coefficients

Intercept:	0
Slope:	1.579

Error Coefficients

Standard Error:	644000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.588402	25.0	171354.0	1.176804	N
2	IC 480-616002/14	1.0	1.436999	25.0	187648.0	1.436999	Y
3	IC 480-616002/15	2.0	2.544897	25.0	177129.0	1.272448	Y
4	IC 480-616002/16	5.0	7.708496	25.0	179500.0	1.541699	Y
5	IC 480-616002/17	10.0	17.192563	25.0	181151.0	1.719256	Y
6	ICIS 480-616002/18	25.0	41.515964	25.0	194975.0	1.660639	Y
7	IC 480-616002/19	50.0	88.095991	25.0	194382.0	1.76192	Y
8	IC 480-616002/20	100.0	166.041729	25.0	207314.0	1.660417	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

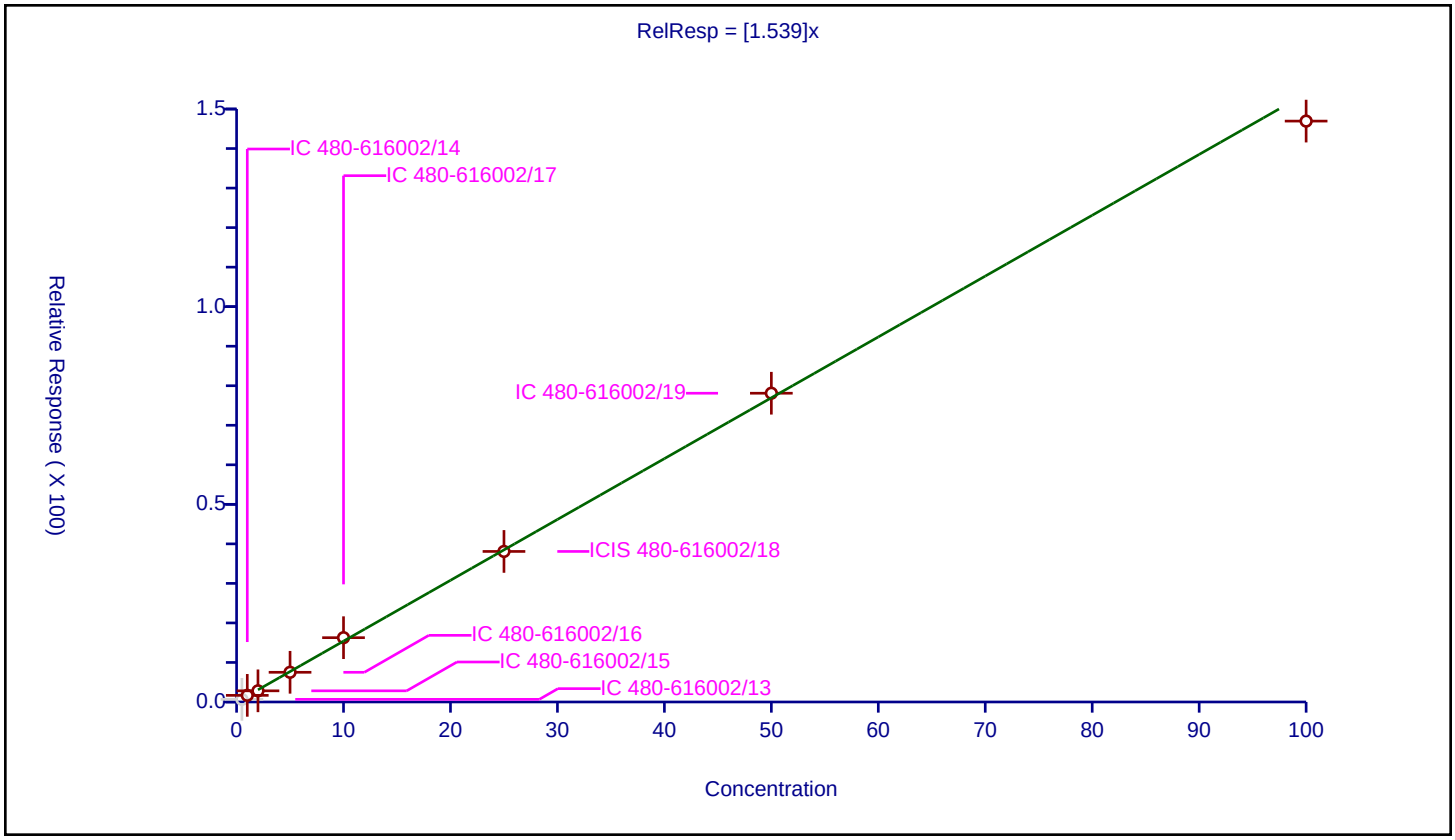
Curve Coefficients

Intercept:	0
Slope:	1.539

Error Coefficients

Standard Error:	571000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.673314	25.0	171354.0	1.346627	N
2	IC 480-616002/14	1.0	1.678009	25.0	187648.0	1.678009	Y
3	IC 480-616002/15	2.0	2.821955	25.0	177129.0	1.410977	Y
4	IC 480-616002/16	5.0	7.512396	25.0	179500.0	1.502479	Y
5	IC 480-616002/17	10.0	16.26516	25.0	181151.0	1.626516	Y
6	ICIS 480-616002/18	25.0	38.085139	25.0	194975.0	1.523406	Y
7	IC 480-616002/19	50.0	78.107155	25.0	194382.0	1.562143	Y
8	IC 480-616002/20	100.0	146.942078	25.0	207314.0	1.469421	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

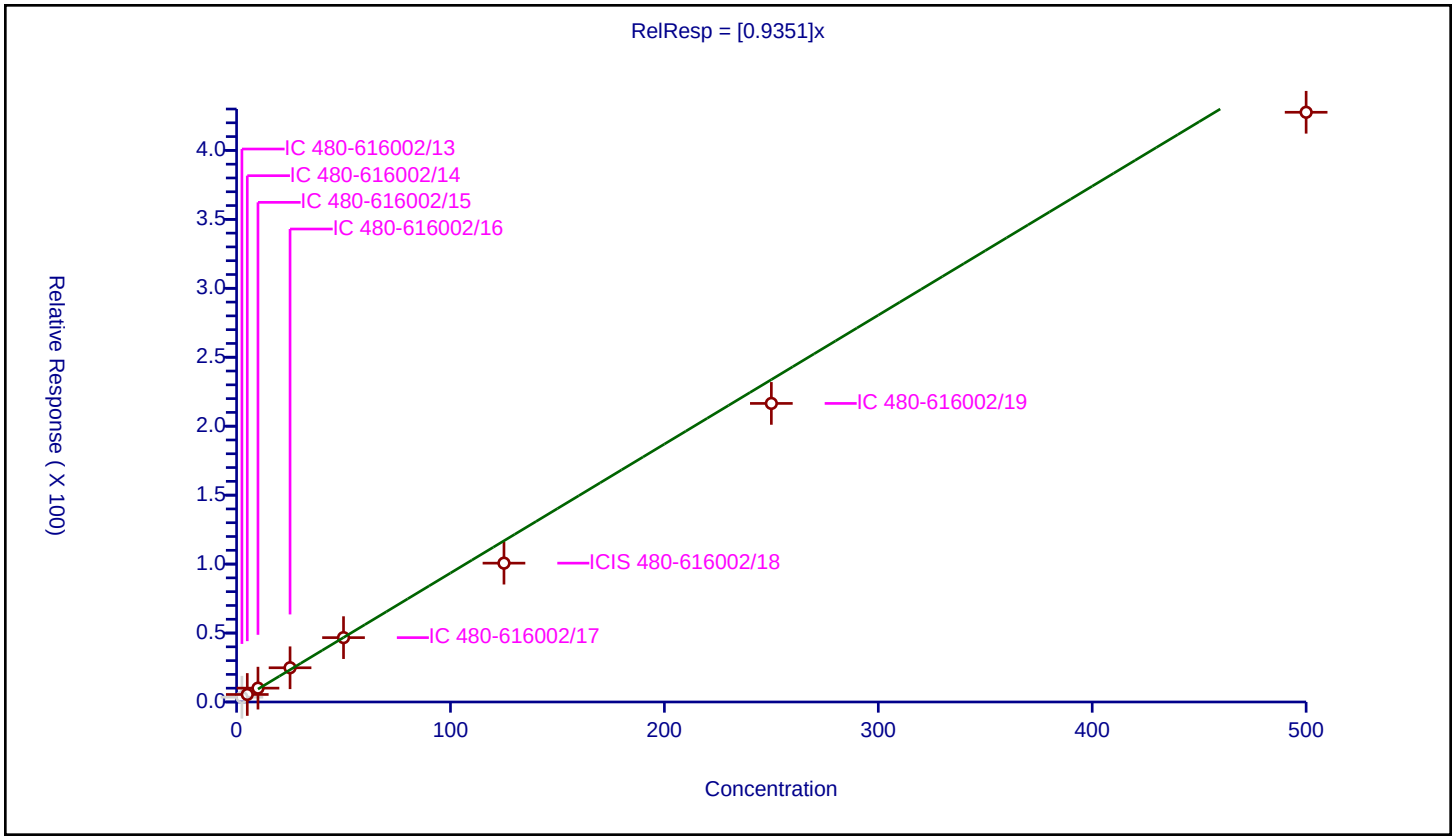
Curve Coefficients

Intercept:	0
Slope:	0.9351

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	10.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	2.5	3.446666	25.0	171354.0	1.378666	N
2	IC 480-616002/14	5.0	5.441838	25.0	187648.0	1.088368	Y
3	IC 480-616002/15	10.0	10.038164	25.0	177129.0	1.003816	Y
4	IC 480-616002/16	25.0	24.826045	25.0	179500.0	0.993042	Y
5	IC 480-616002/17	50.0	46.677634	25.0	181151.0	0.933553	Y
6	ICIS 480-616002/18	125.0	100.689704	25.0	194975.0	0.805518	Y
7	IC 480-616002/19	250.0	216.506544	25.0	194382.0	0.866026	Y
8	IC 480-616002/20	500.0	427.634289	25.0	207314.0	0.855269	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

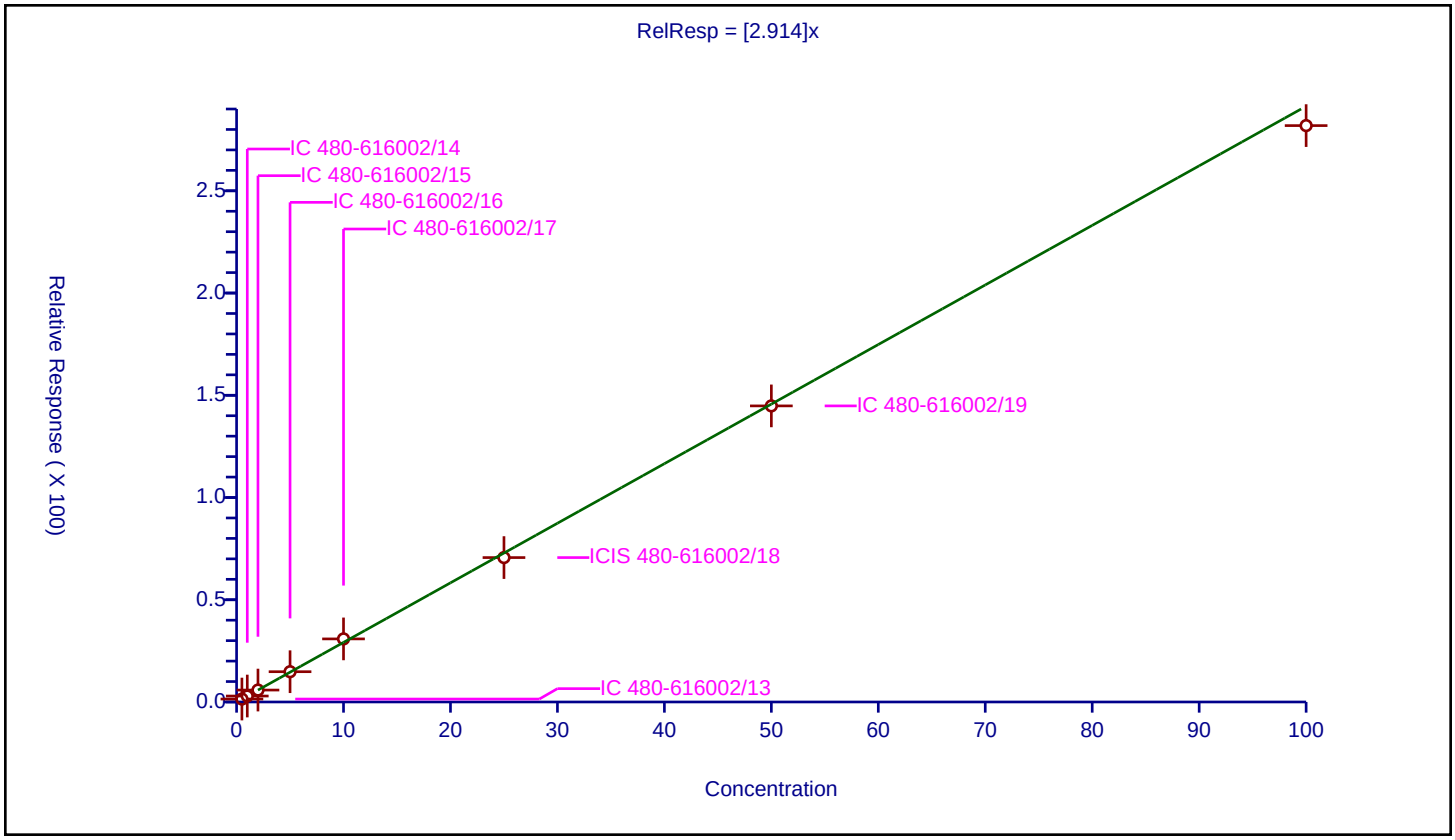
Curve Coefficients

Intercept:	0
Slope:	2.914

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.442773	25.0	171354.0	2.885547	Y
2	IC 480-616002/14	1.0	2.917564	25.0	187648.0	2.917564	Y
3	IC 480-616002/15	2.0	5.838259	25.0	177129.0	2.91913	Y
4	IC 480-616002/16	5.0	14.810446	25.0	179500.0	2.962089	Y
5	IC 480-616002/17	10.0	30.848022	25.0	181151.0	3.084802	Y
6	ICIS 480-616002/18	25.0	70.620977	25.0	194975.0	2.824839	Y
7	IC 480-616002/19	50.0	144.803274	25.0	194382.0	2.896065	Y
8	IC 480-616002/20	100.0	281.886052	25.0	207314.0	2.818861	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

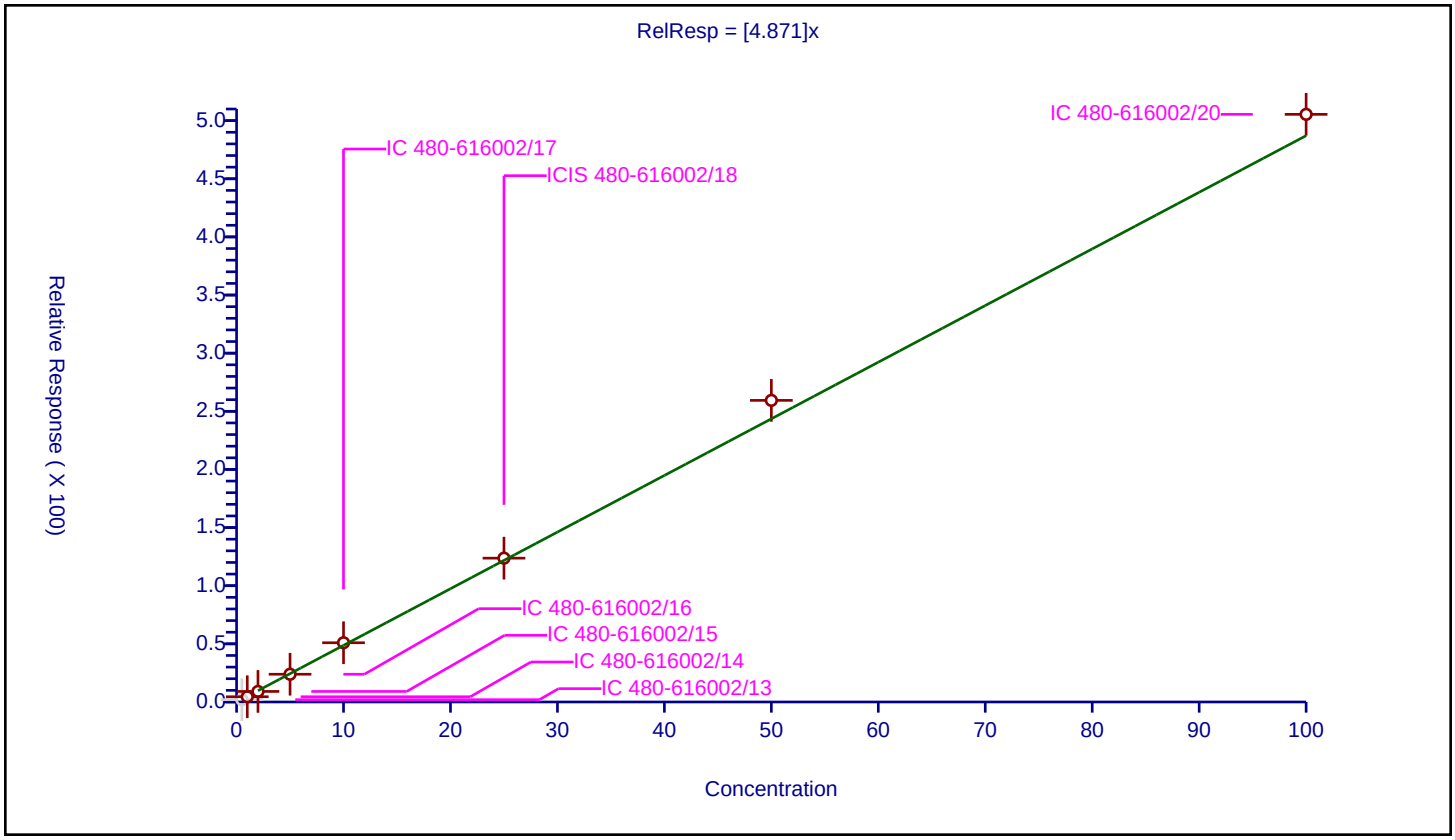
Curve Coefficients

Intercept:	0
Slope:	4.871

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.980987	25.0	171354.0	3.961973	N
2	IC 480-616002/14	1.0	4.500448	25.0	187648.0	4.500448	Y
3	IC 480-616002/15	2.0	9.078271	25.0	177129.0	4.539135	Y
4	IC 480-616002/16	5.0	23.854596	25.0	179500.0	4.770919	Y
5	IC 480-616002/17	10.0	50.959007	25.0	181151.0	5.095901	Y
6	ICIS 480-616002/18	25.0	123.69214	25.0	194975.0	4.947686	Y
7	IC 480-616002/19	50.0	259.403134	25.0	194382.0	5.188063	Y
8	IC 480-616002/20	100.0	505.410271	25.0	207314.0	5.054103	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

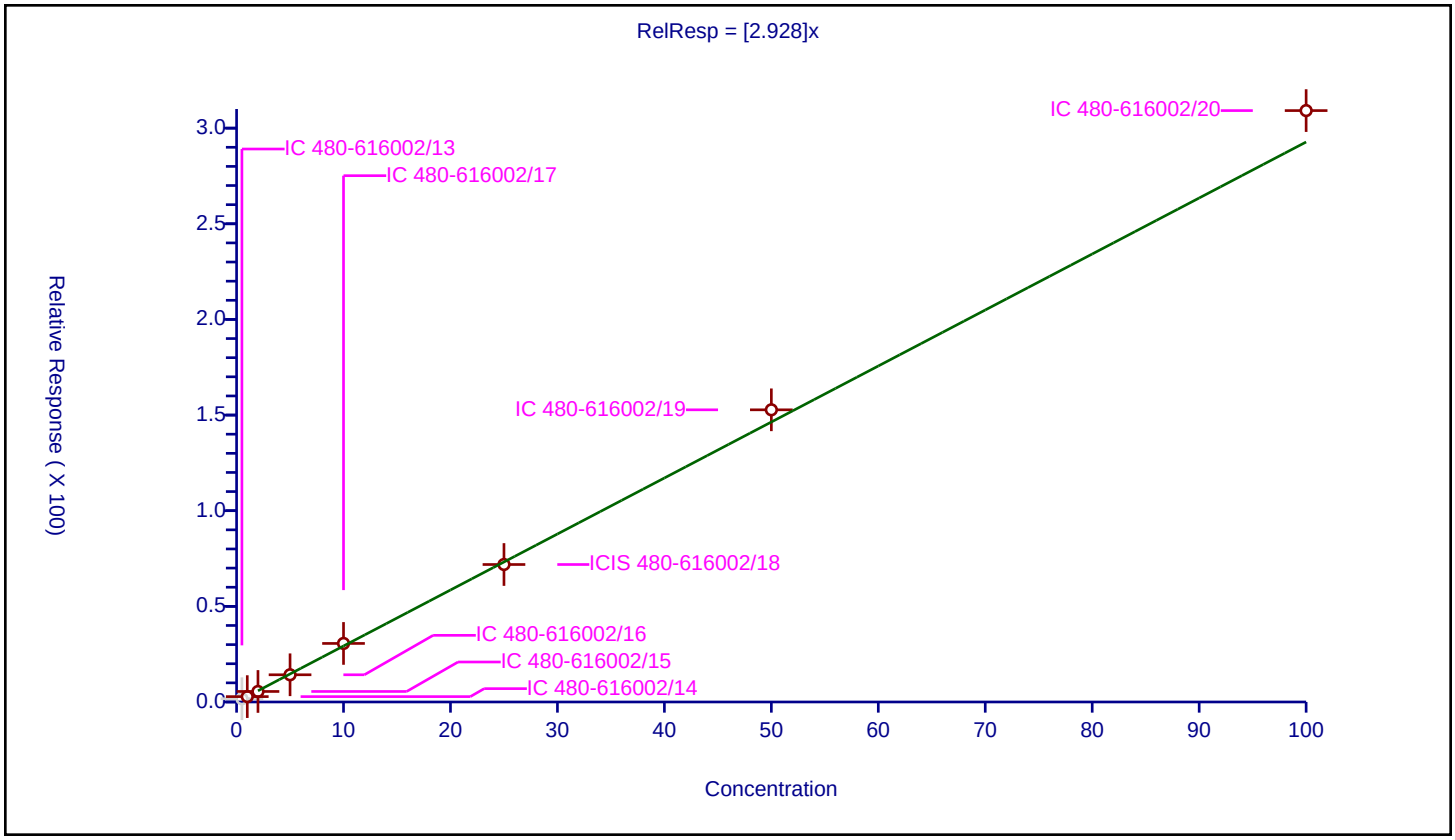
Curve Coefficients

Intercept:	0
Slope:	2.928

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.714725	25.0	171354.0	3.42945	N
2	IC 480-616002/14	1.0	2.815644	25.0	187648.0	2.815644	Y
3	IC 480-616002/15	2.0	5.497406	25.0	177129.0	2.748703	Y
4	IC 480-616002/16	5.0	14.229944	25.0	179500.0	2.845989	Y
5	IC 480-616002/17	10.0	30.611755	25.0	181151.0	3.061175	Y
6	ICIS 480-616002/18	25.0	71.874599	25.0	194975.0	2.874984	Y
7	IC 480-616002/19	50.0	152.749612	25.0	194382.0	3.054992	Y
8	IC 480-616002/20	100.0	309.175936	25.0	207314.0	3.091759	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

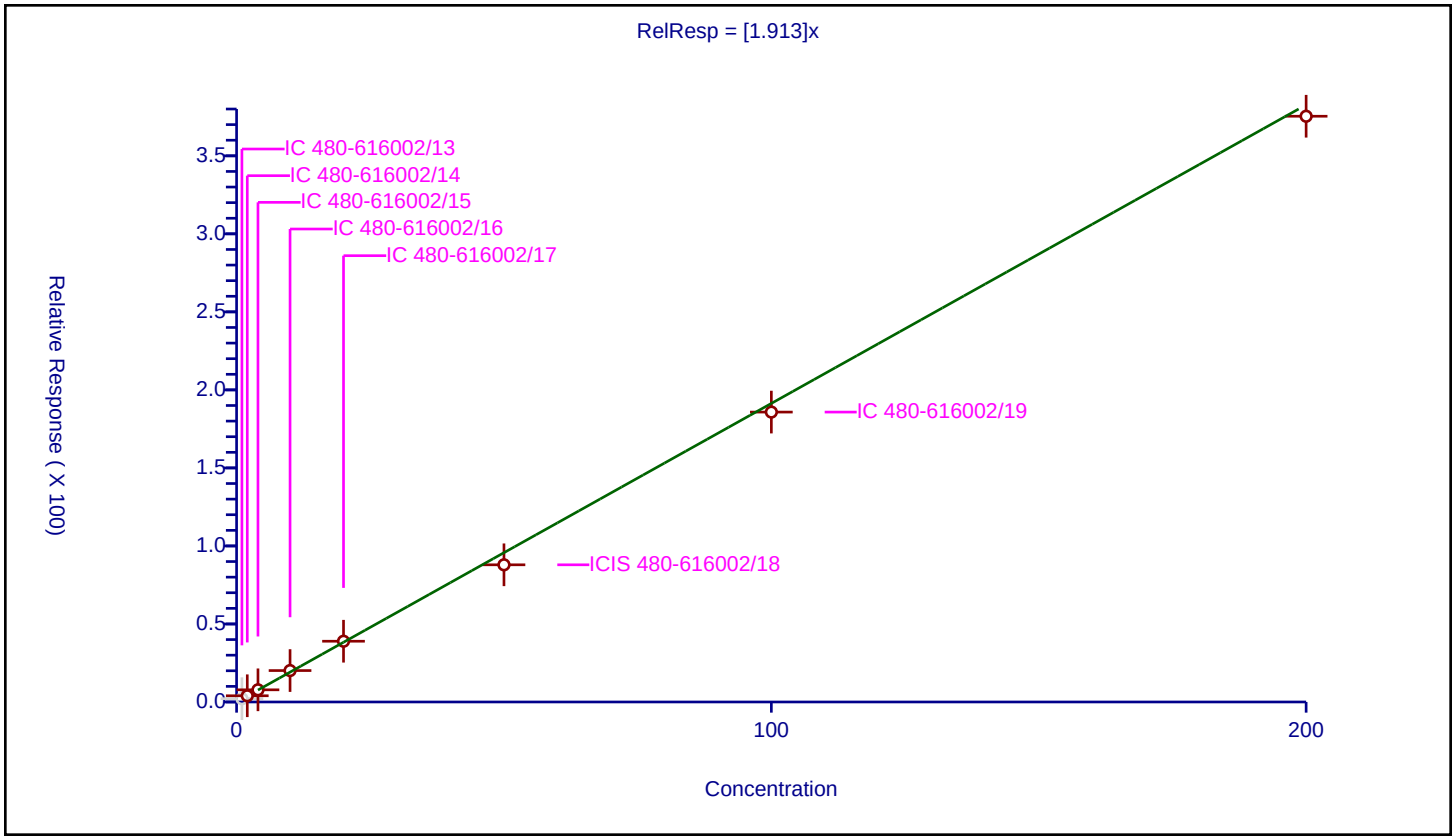
Curve Coefficients

Intercept:	0
Slope:	1.913

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	1.0	2.135054	25.0	171354.0	2.135054	N
2	IC 480-616002/14	2.0	3.981657	25.0	187648.0	1.990829	Y
3	IC 480-616002/15	4.0	7.799683	25.0	177129.0	1.949921	Y
4	IC 480-616002/16	10.0	20.131337	25.0	179500.0	2.013134	Y
5	IC 480-616002/17	20.0	38.935888	25.0	181151.0	1.946794	Y
6	ICIS 480-616002/18	50.0	87.911271	25.0	194975.0	1.758225	Y
7	IC 480-616002/19	100.0	185.786107	25.0	194382.0	1.857861	Y
8	IC 480-616002/20	200.0	375.372744	25.0	207314.0	1.876864	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

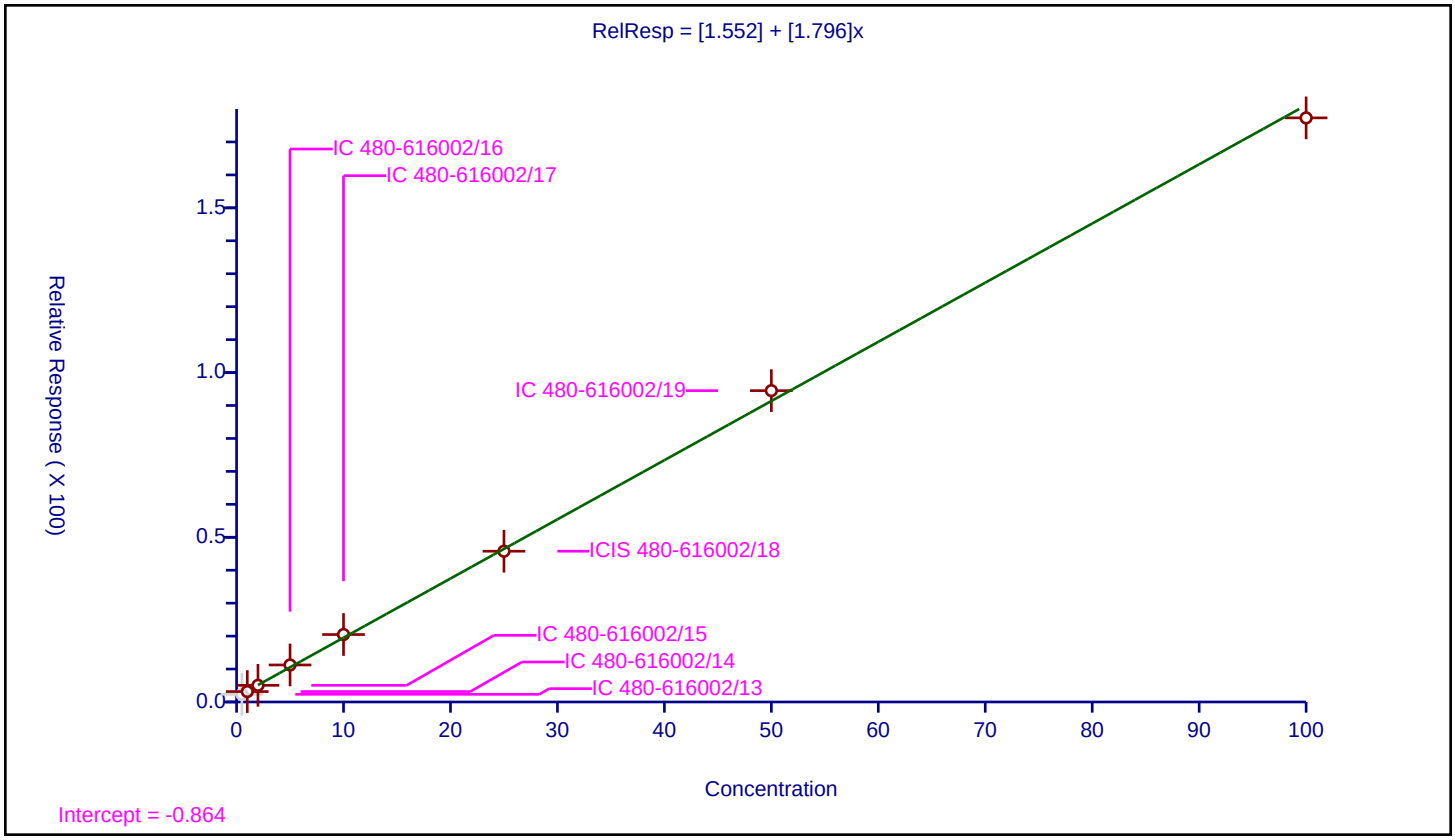
Curve Coefficients

Intercept:	1.552
Slope:	1.796

Error Coefficients

Standard Error:	756000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	2.328221	25.0	171354.0	4.656442	N
2	IC 480-616002/14	1.0	3.160039	25.0	187648.0	3.160039	Y
3	IC 480-616002/15	2.0	5.051685	25.0	177129.0	2.525843	Y
4	IC 480-616002/16	5.0	11.236769	25.0	179500.0	2.247354	Y
5	IC 480-616002/17	10.0	20.473804	25.0	181151.0	2.04738	Y
6	ICIS 480-616002/18	25.0	45.770612	25.0	194975.0	1.830824	Y
7	IC 480-616002/19	50.0	94.514281	25.0	194382.0	1.890286	Y
8	IC 480-616002/20	100.0	177.310505	25.0	207314.0	1.773105	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

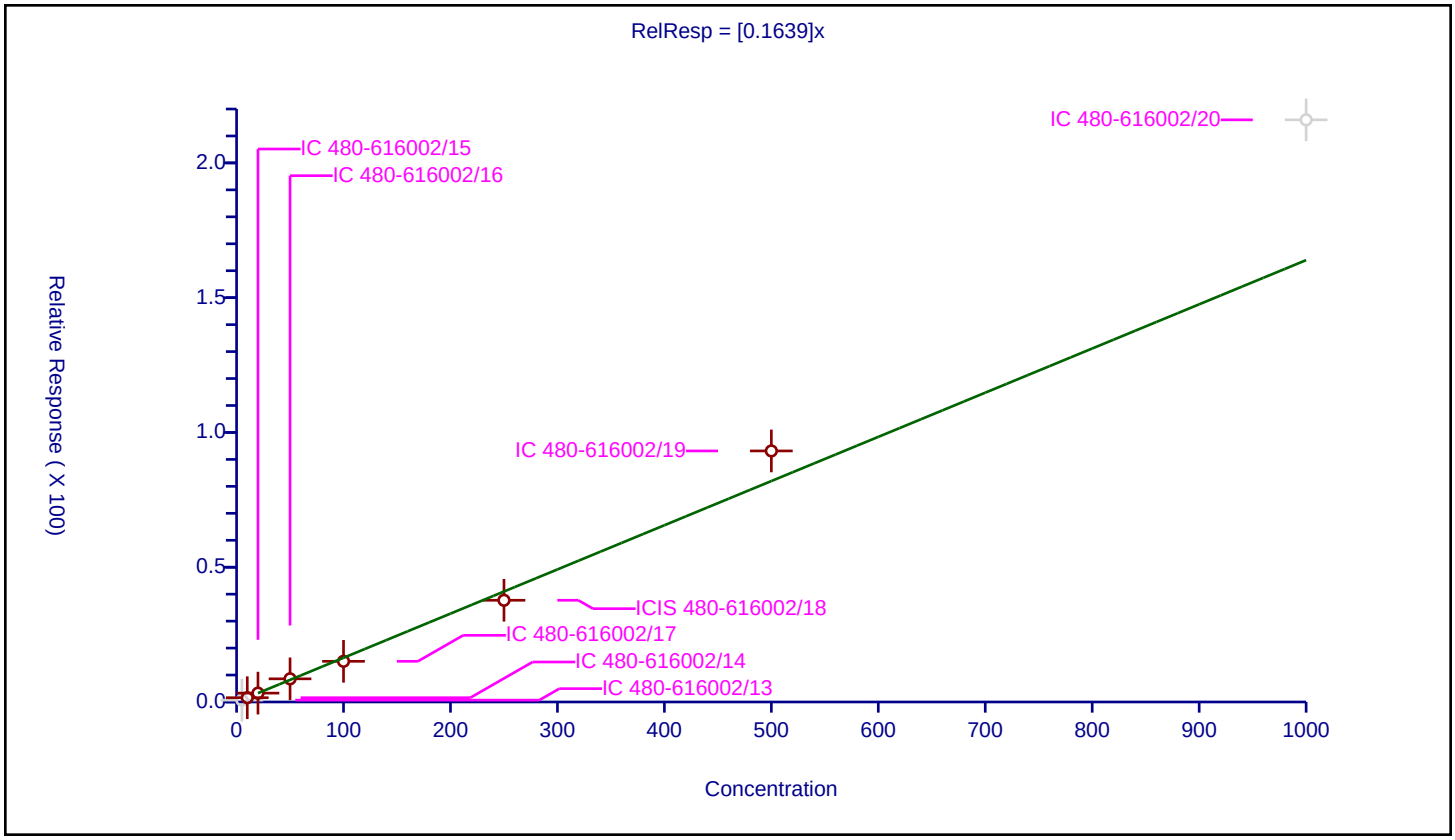
Curve Coefficients

Intercept:	0
Slope:	0.1639

Error Coefficients

Standard Error:	354000
Relative Standard Error:	8.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	5.0	0.686736	25.0	171354.0	0.137347	N
2	IC 480-616002/14	10.0	1.592077	25.0	187648.0	0.159208	Y
3	IC 480-616002/15	20.0	3.286023	25.0	177129.0	0.164301	Y
4	IC 480-616002/16	50.0	8.594986	25.0	179500.0	0.1719	Y
5	IC 480-616002/17	100.0	15.091415	25.0	181151.0	0.150914	Y
6	ICIS 480-616002/18	250.0	37.742531	25.0	194975.0	0.15097	Y
7	IC 480-616002/19	500.0	93.145584	25.0	194382.0	0.186291	Y
8	IC 480-616002/20	1000.0	215.982519	25.0	207314.0	0.215983	N



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

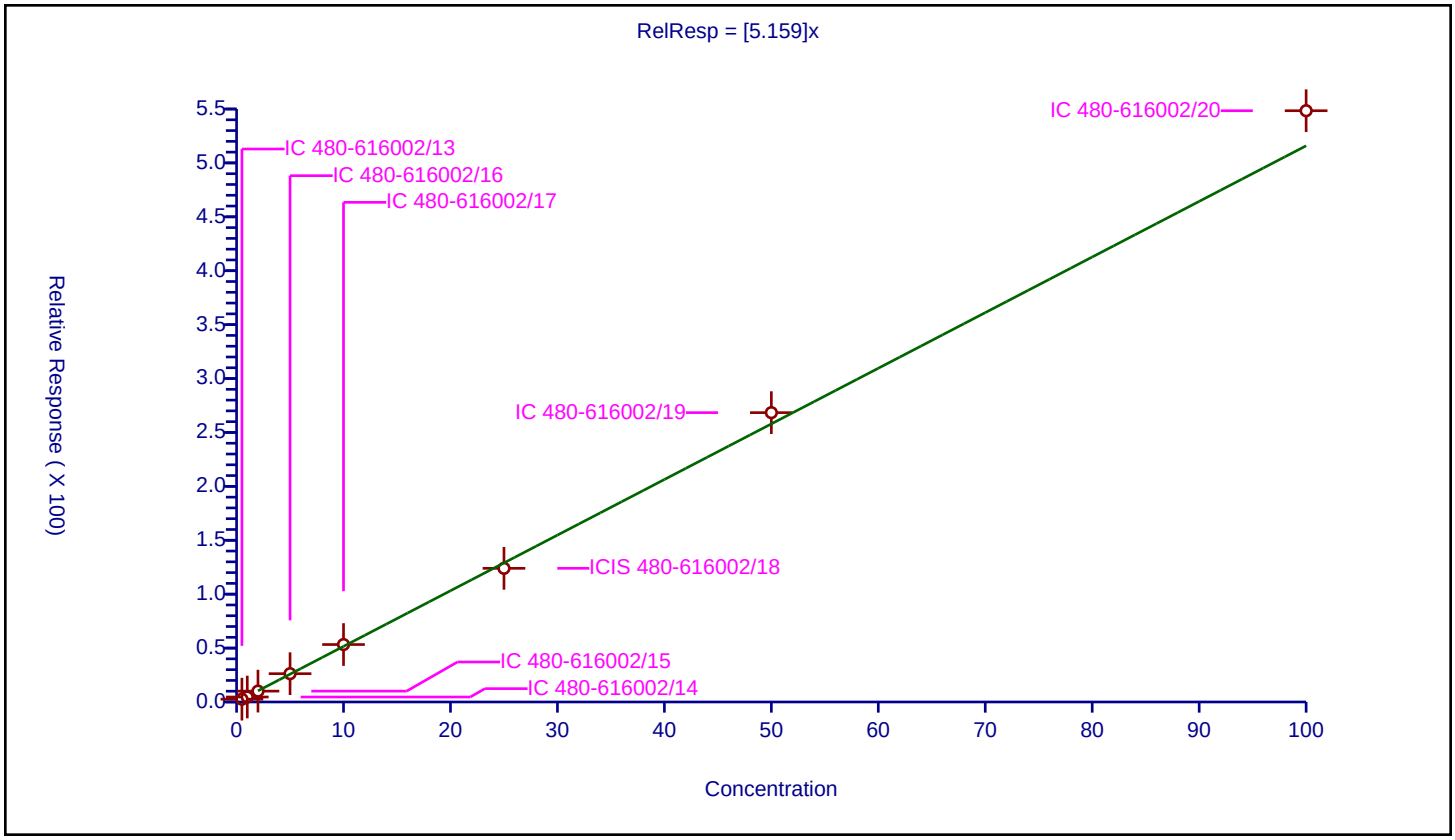
Curve Coefficients

Intercept:	0
Slope:	5.159

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	2.614471	25.0	171354.0	5.228941	Y
2	IC 480-616002/14	1.0	4.609295	25.0	187648.0	4.609295	Y
3	IC 480-616002/15	2.0	10.085164	25.0	177129.0	5.042582	Y
4	IC 480-616002/16	5.0	26.260028	25.0	179500.0	5.252006	Y
5	IC 480-616002/17	10.0	53.282069	25.0	181151.0	5.328207	Y
6	ICIS 480-616002/18	25.0	123.978202	25.0	194975.0	4.959128	Y
7	IC 480-616002/19	50.0	268.375673	25.0	194382.0	5.367513	Y
8	IC 480-616002/20	100.0	548.423406	25.0	207314.0	5.484234	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

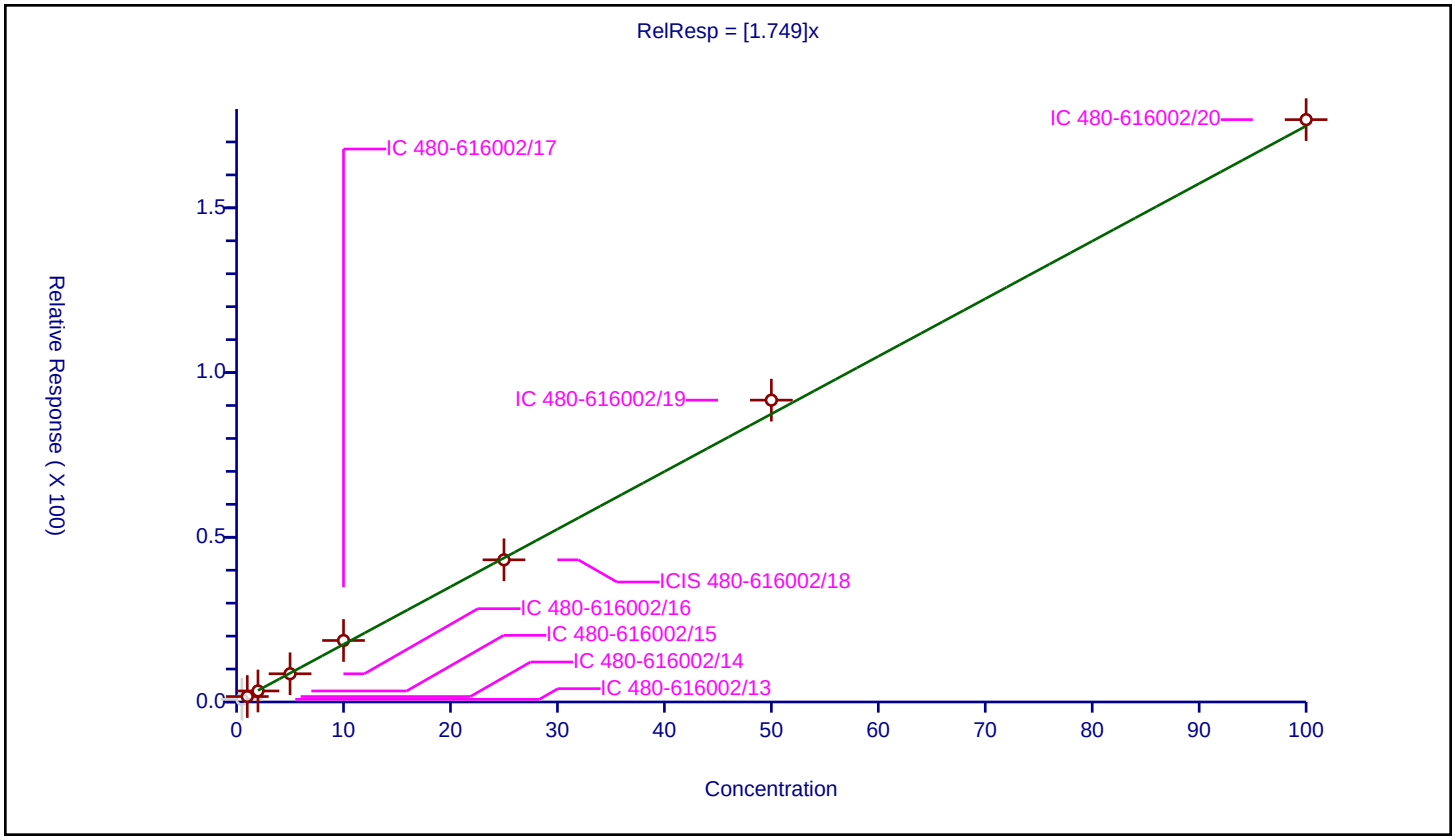
Curve Coefficients

Intercept:	0
Slope:	1.749

Error Coefficients

Standard Error:	682000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.811186	25.0	171354.0	1.622372	N
2	IC 480-616002/14	1.0	1.657225	25.0	187648.0	1.657225	Y
3	IC 480-616002/15	2.0	3.350383	25.0	177129.0	1.675192	Y
4	IC 480-616002/16	5.0	8.569916	25.0	179500.0	1.713983	Y
5	IC 480-616002/17	10.0	18.670888	25.0	181151.0	1.867089	Y
6	ICIS 480-616002/18	25.0	43.155661	25.0	194975.0	1.726226	Y
7	IC 480-616002/19	50.0	91.628855	25.0	194382.0	1.832577	Y
8	IC 480-616002/20	100.0	176.781476	25.0	207314.0	1.767815	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

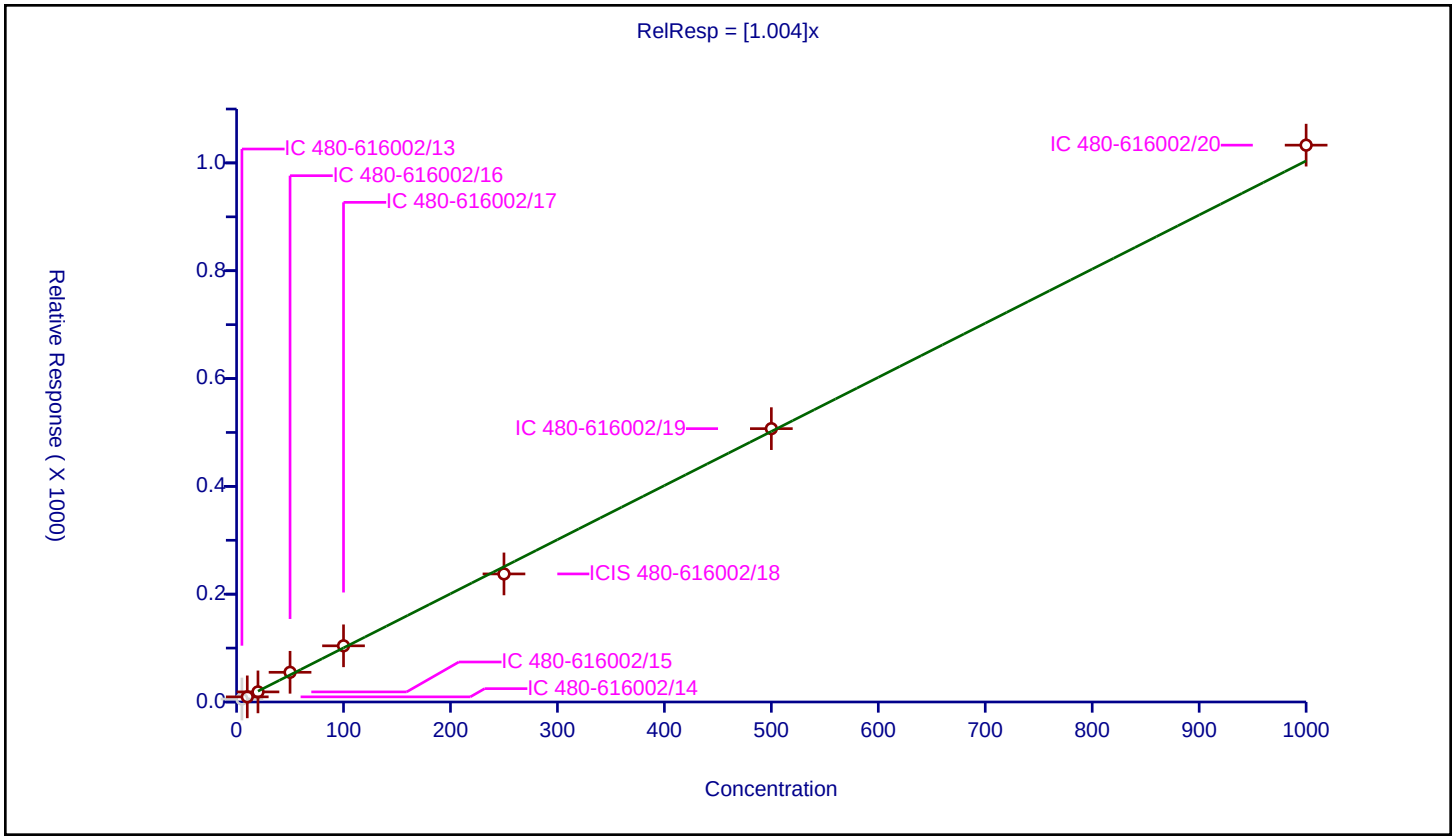
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	3940000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	5.0	5.494036	25.0	171354.0	1.098807	N
2	IC 480-616002/14	10.0	9.500901	25.0	187648.0	0.95009	Y
3	IC 480-616002/15	20.0	18.701907	25.0	177129.0	0.935095	Y
4	IC 480-616002/16	50.0	55.095404	25.0	179500.0	1.101908	Y
5	IC 480-616002/17	100.0	104.185459	25.0	181151.0	1.041855	Y
6	ICIS 480-616002/18	250.0	237.590589	25.0	194975.0	0.950362	Y
7	IC 480-616002/19	500.0	507.066884	25.0	194382.0	1.014134	Y
8	IC 480-616002/20	1000.0	1032.963524	25.0	207314.0	1.032964	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

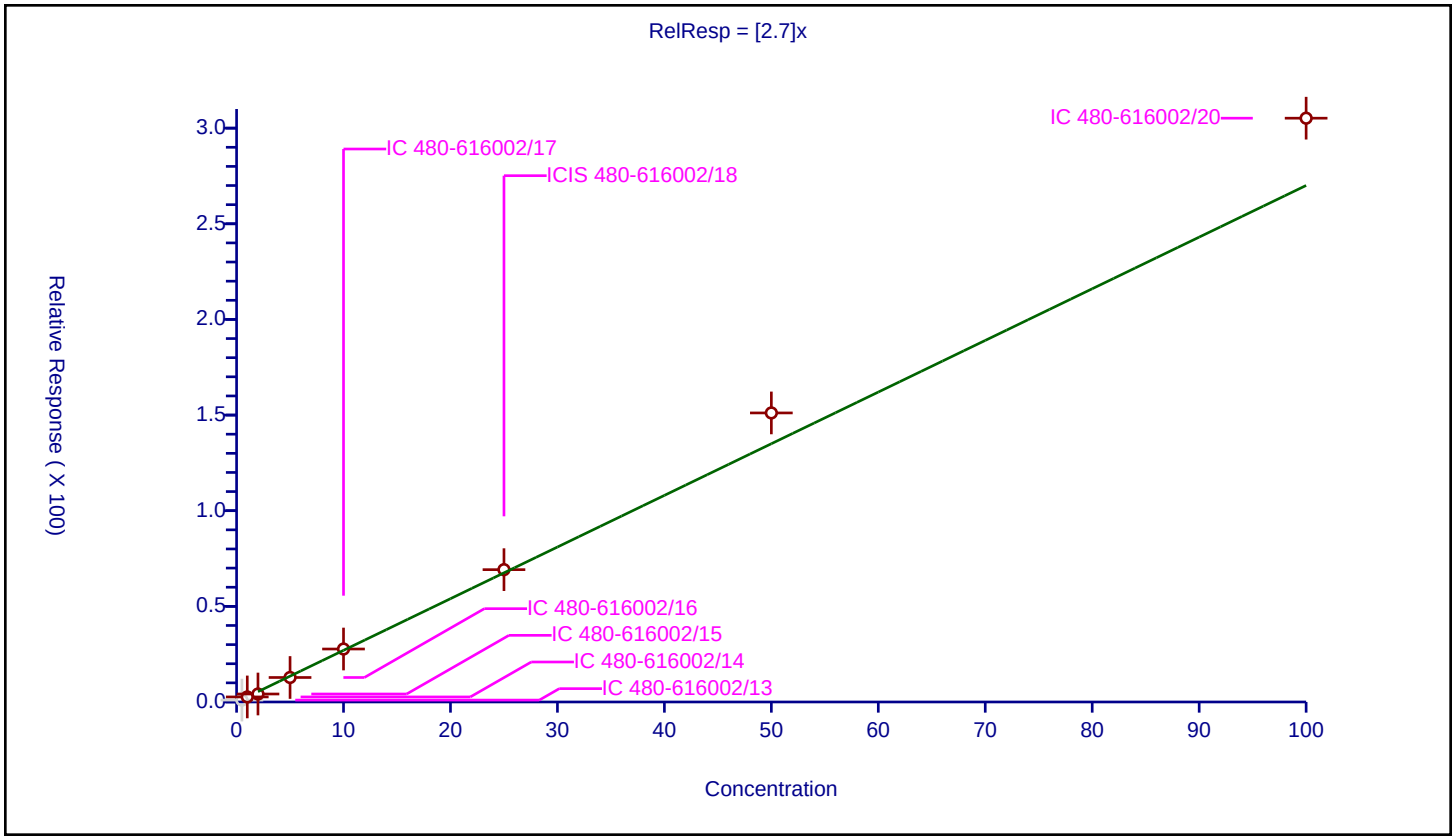
Curve Coefficients

Intercept:	0
Slope:	2.7

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.990785	25.0	171354.0	1.98157	N
2	IC 480-616002/14	1.0	2.640183	25.0	187648.0	2.640183	Y
3	IC 480-616002/15	2.0	4.175911	25.0	177129.0	2.087956	Y
4	IC 480-616002/16	5.0	12.809471	25.0	179500.0	2.561894	Y
5	IC 480-616002/17	10.0	27.70051	25.0	181151.0	2.770051	Y
6	ICIS 480-616002/18	25.0	69.188999	25.0	194975.0	2.76756	Y
7	IC 480-616002/19	50.0	151.114815	25.0	194382.0	3.022296	Y
8	IC 480-616002/20	100.0	305.207439	25.0	207314.0	3.052074	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

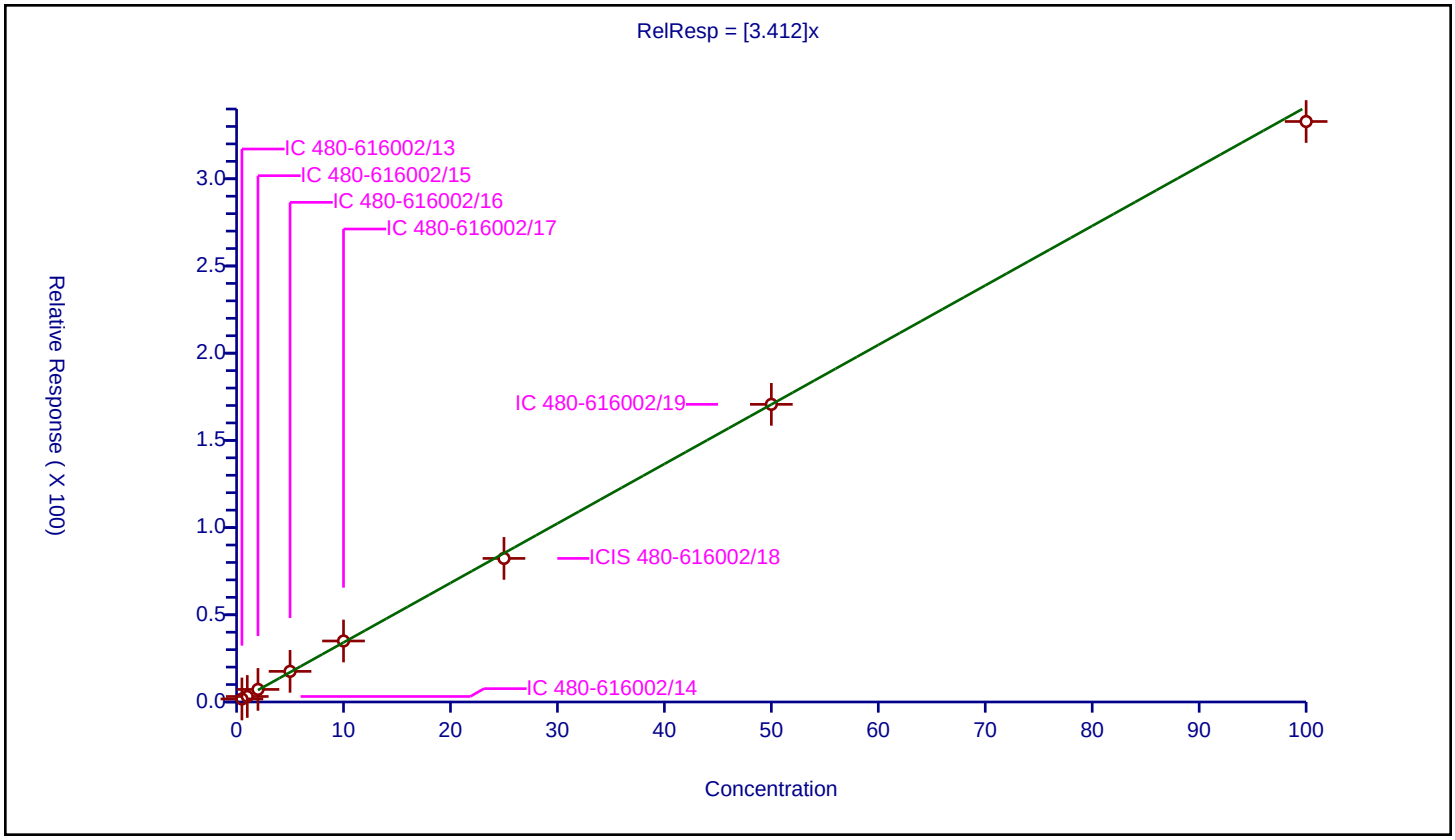
Curve Coefficients

Intercept:	0
Slope:	3.412

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.742008	25.0	171354.0	3.484016	Y
2	IC 480-616002/14	1.0	3.164569	25.0	187648.0	3.164569	Y
3	IC 480-616002/15	2.0	7.210282	25.0	177129.0	3.605141	Y
4	IC 480-616002/16	5.0	17.5539	25.0	179500.0	3.51078	Y
5	IC 480-616002/17	10.0	34.970549	25.0	181151.0	3.497055	Y
6	ICIS 480-616002/18	25.0	82.32517	25.0	194975.0	3.293007	Y
7	IC 480-616002/19	50.0	170.657391	25.0	194382.0	3.413148	Y
8	IC 480-616002/20	100.0	332.848481	25.0	207314.0	3.328485	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

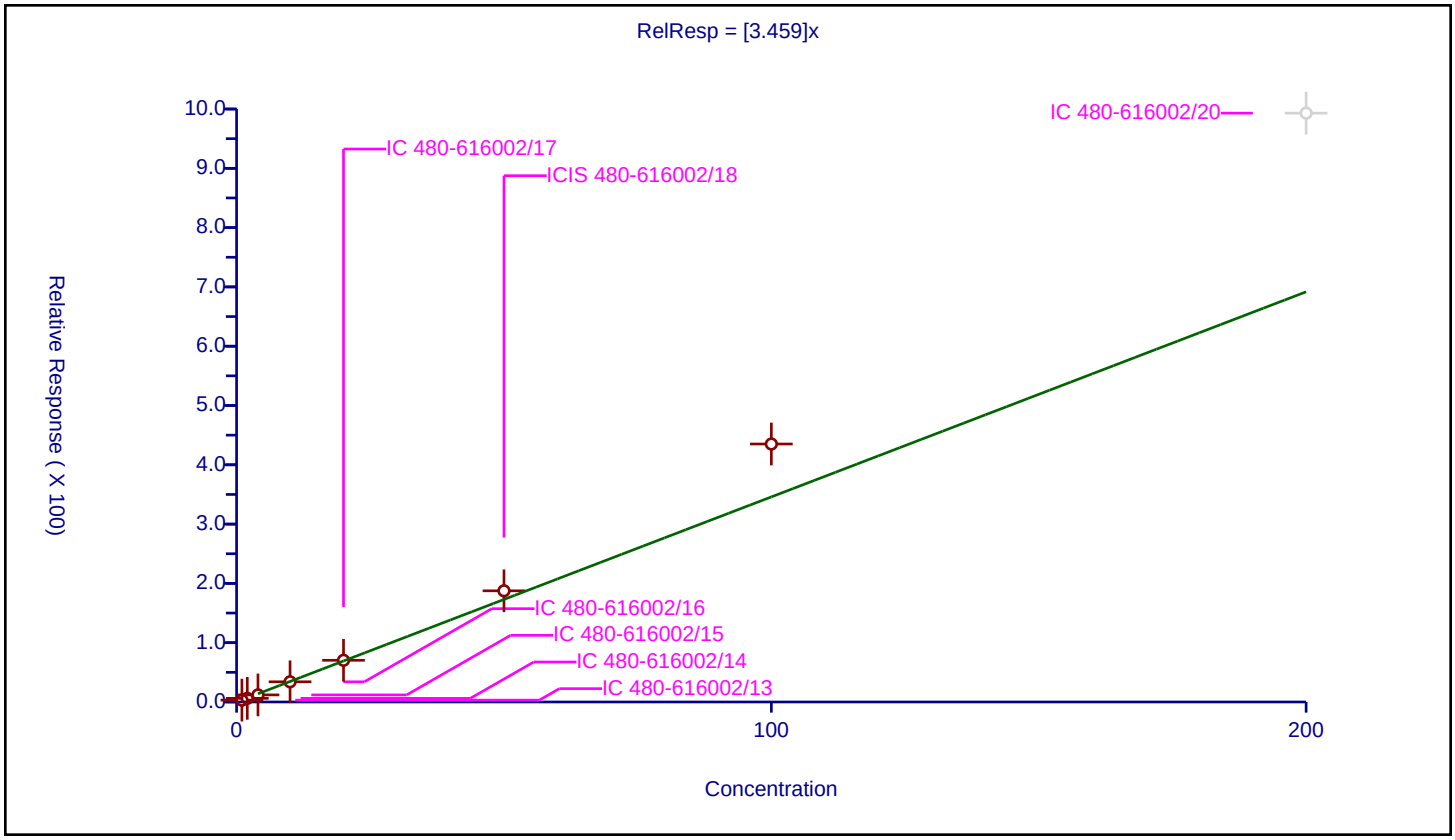
Curve Coefficients

Intercept:	0
Slope:	3.459

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	13.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	1.0	3.140866	25.0	171354.0	3.140866	Y
2	IC 480-616002/14	2.0	6.118371	25.0	187648.0	3.059185	Y
3	IC 480-616002/15	4.0	11.945531	25.0	177129.0	2.986383	Y
4	IC 480-616002/16	10.0	34.066435	25.0	179500.0	3.406643	Y
5	IC 480-616002/17	20.0	70.325033	25.0	181151.0	3.516252	Y
6	ICIS 480-616002/18	50.0	187.526606	25.0	194975.0	3.750532	Y
7	IC 480-616002/19	100.0	435.057516	25.0	194382.0	4.350575	Y
8	IC 480-616002/20	200.0	993.039906	25.0	207314.0	4.9652	N



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

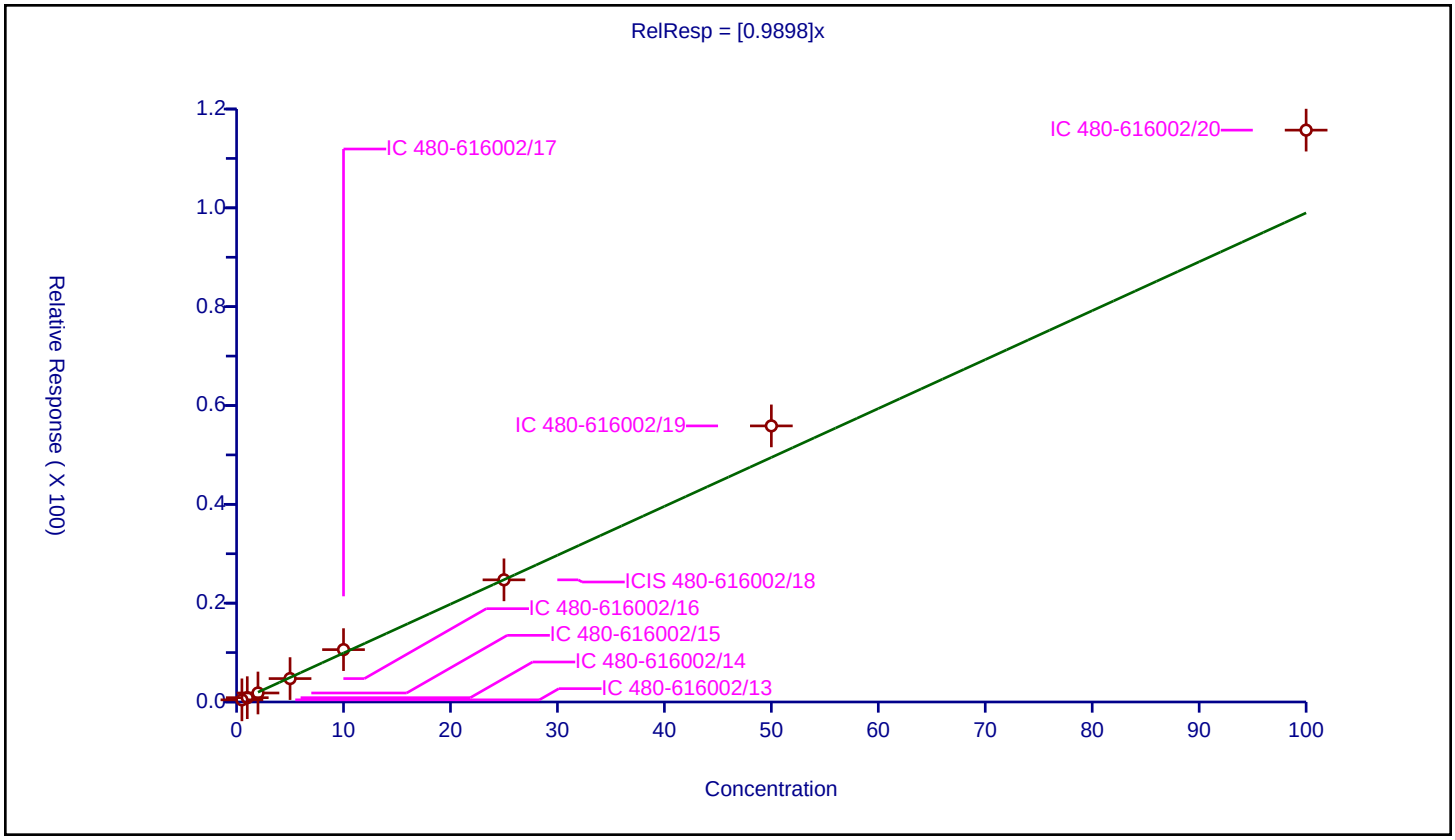
Curve Coefficients

Intercept:	0
Slope:	0.9898

Error Coefficients

Standard Error:	406000
Relative Standard Error:	11.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.434335	25.0	171354.0	0.86867	Y
2	IC 480-616002/14	1.0	0.869181	25.0	187648.0	0.869181	Y
3	IC 480-616002/15	2.0	1.820707	25.0	177129.0	0.910353	Y
4	IC 480-616002/16	5.0	4.735515	25.0	179500.0	0.947103	Y
5	IC 480-616002/17	10.0	10.595028	25.0	181151.0	1.059503	Y
6	ICIS 480-616002/18	25.0	24.720092	25.0	194975.0	0.988804	Y
7	IC 480-616002/19	50.0	55.874644	25.0	194382.0	1.117493	Y
8	IC 480-616002/20	100.0	115.724095	25.0	207314.0	1.157241	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

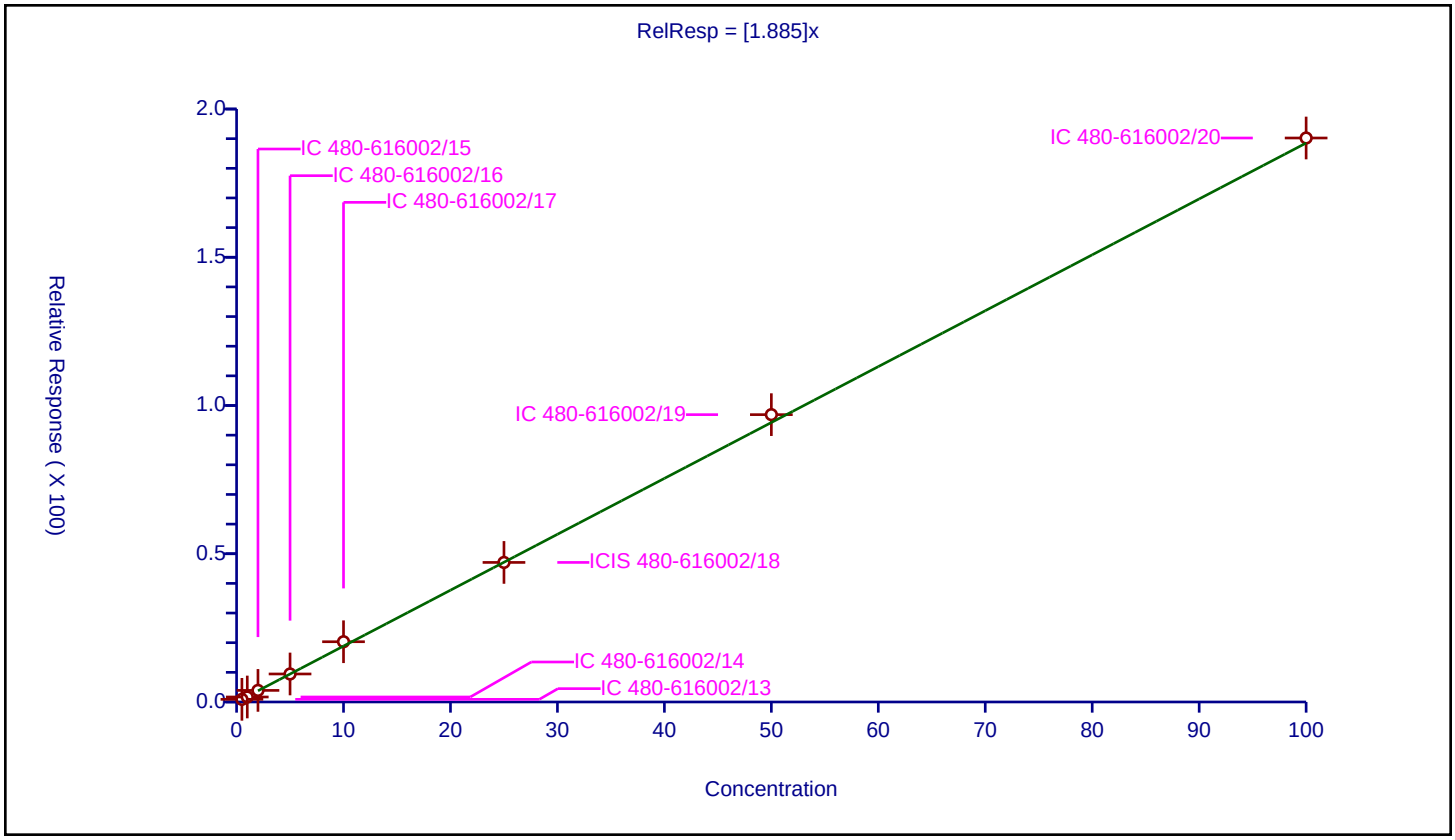
Curve Coefficients

Intercept:	0
Slope:	1.885

Error Coefficients

Standard Error:	678000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.896974	25.0	171354.0	1.793947	Y
2	IC 480-616002/14	1.0	1.689333	25.0	187648.0	1.689333	Y
3	IC 480-616002/15	2.0	3.906898	25.0	177129.0	1.953449	Y
4	IC 480-616002/16	5.0	9.446518	25.0	179500.0	1.889304	Y
5	IC 480-616002/17	10.0	20.321859	25.0	181151.0	2.032186	Y
6	ICIS 480-616002/18	25.0	47.067957	25.0	194975.0	1.882718	Y
7	IC 480-616002/19	50.0	96.917924	25.0	194382.0	1.938358	Y
8	IC 480-616002/20	100.0	190.224249	25.0	207314.0	1.902242	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

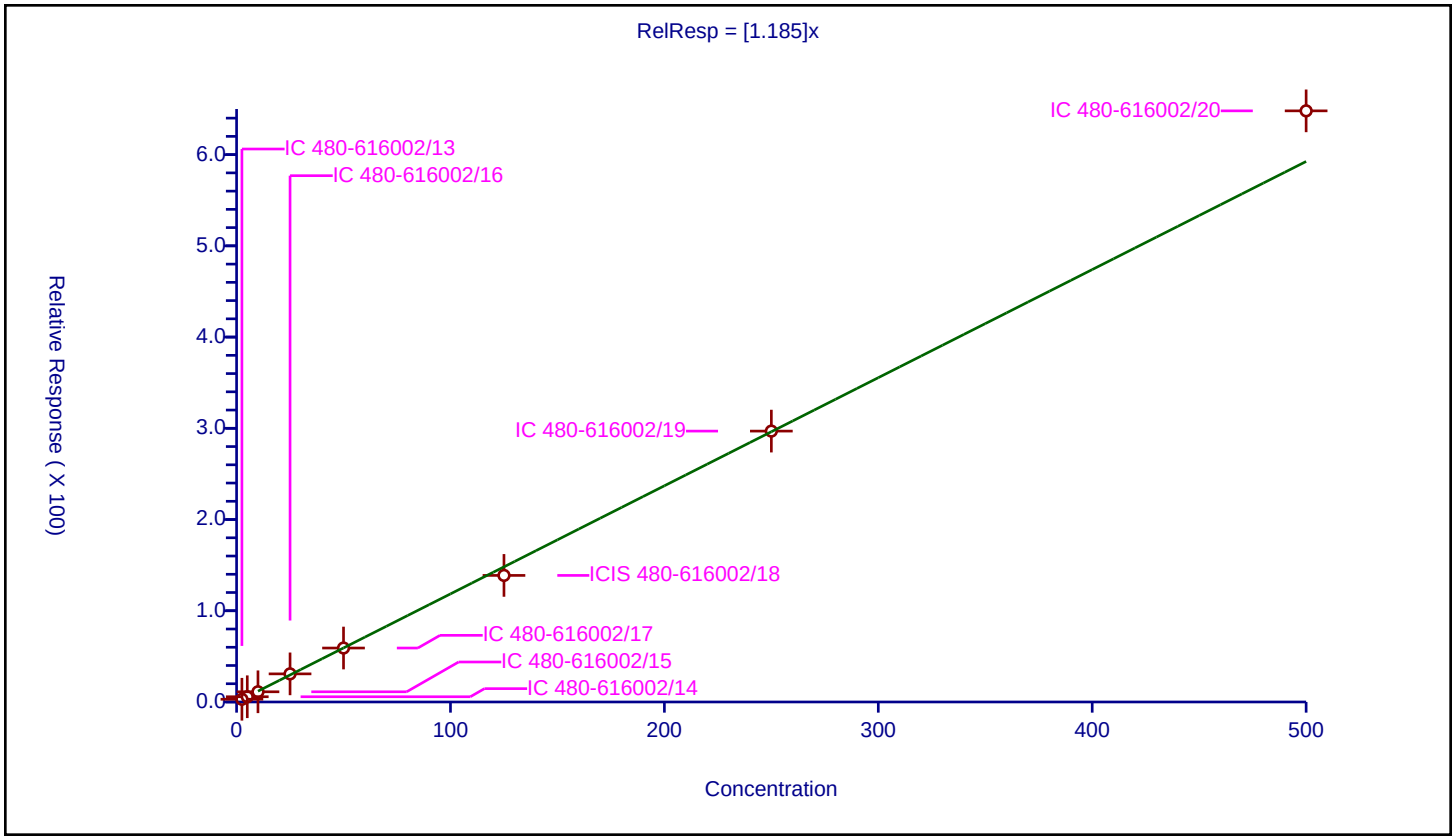
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	5.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	2.5	3.009851	25.0	171354.0	1.20394	Y
2	IC 480-616002/14	5.0	5.73534	25.0	187648.0	1.147068	Y
3	IC 480-616002/15	10.0	11.188456	25.0	177129.0	1.118846	Y
4	IC 480-616002/16	25.0	30.832869	25.0	179500.0	1.233315	Y
5	IC 480-616002/17	50.0	59.157692	25.0	181151.0	1.183154	Y
6	ICIS 480-616002/18	125.0	138.735992	25.0	194975.0	1.109888	Y
7	IC 480-616002/19	250.0	296.933487	25.0	194382.0	1.187734	Y
8	IC 480-616002/20	500.0	647.973846	25.0	207314.0	1.295948	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

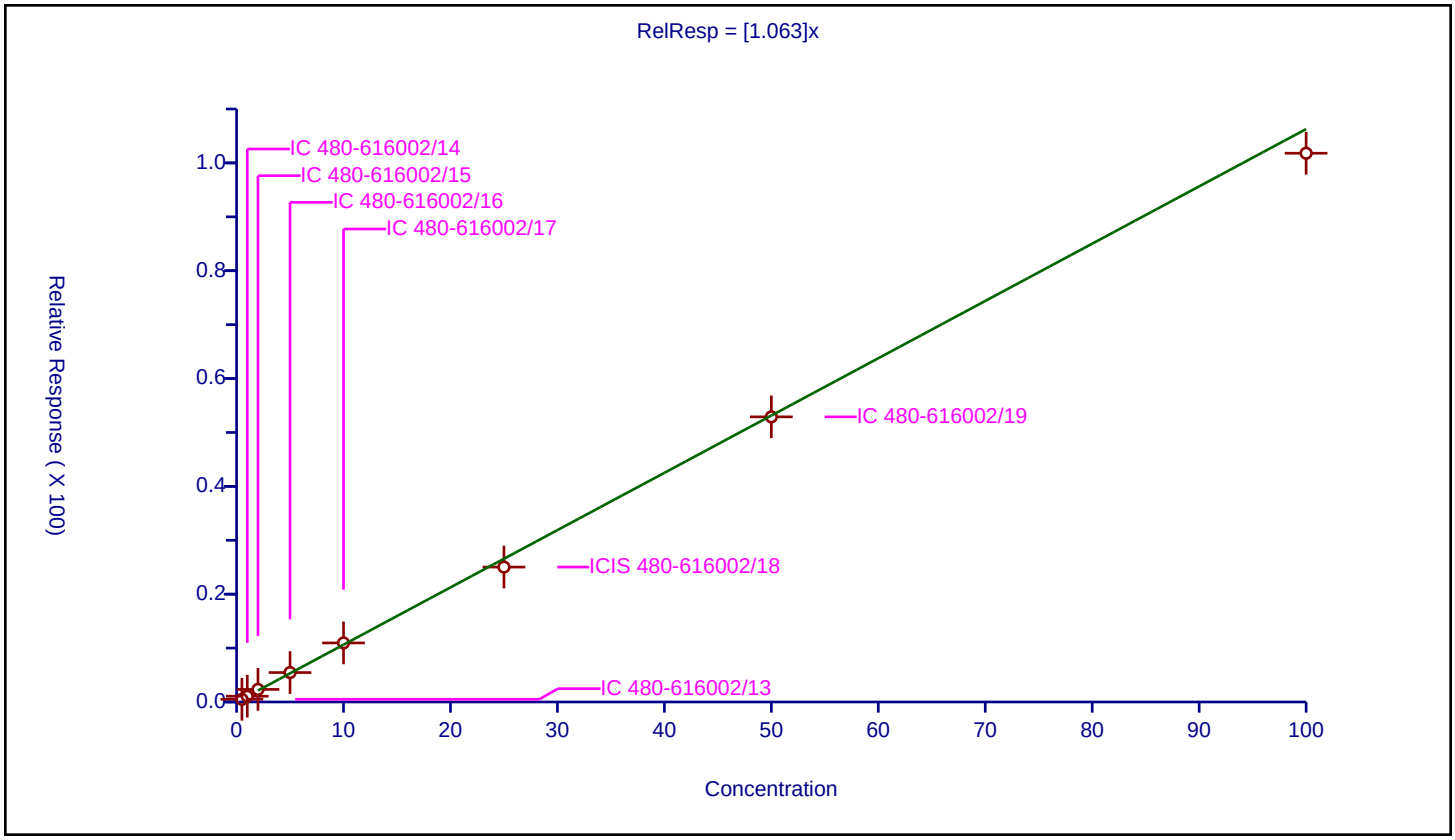
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Standard Error:	364000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.500718	25.0	171354.0	1.001436	Y
2	IC 480-616002/14	1.0	1.070755	25.0	187648.0	1.070755	Y
3	IC 480-616002/15	2.0	2.330787	25.0	177129.0	1.165394	Y
4	IC 480-616002/16	5.0	5.460446	25.0	179500.0	1.092089	Y
5	IC 480-616002/17	10.0	10.952603	25.0	181151.0	1.09526	Y
6	ICIS 480-616002/18	25.0	25.028081	25.0	194975.0	1.001123	Y
7	IC 480-616002/19	50.0	52.894944	25.0	194382.0	1.057899	Y
8	IC 480-616002/20	100.0	101.799324	25.0	207314.0	1.017993	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

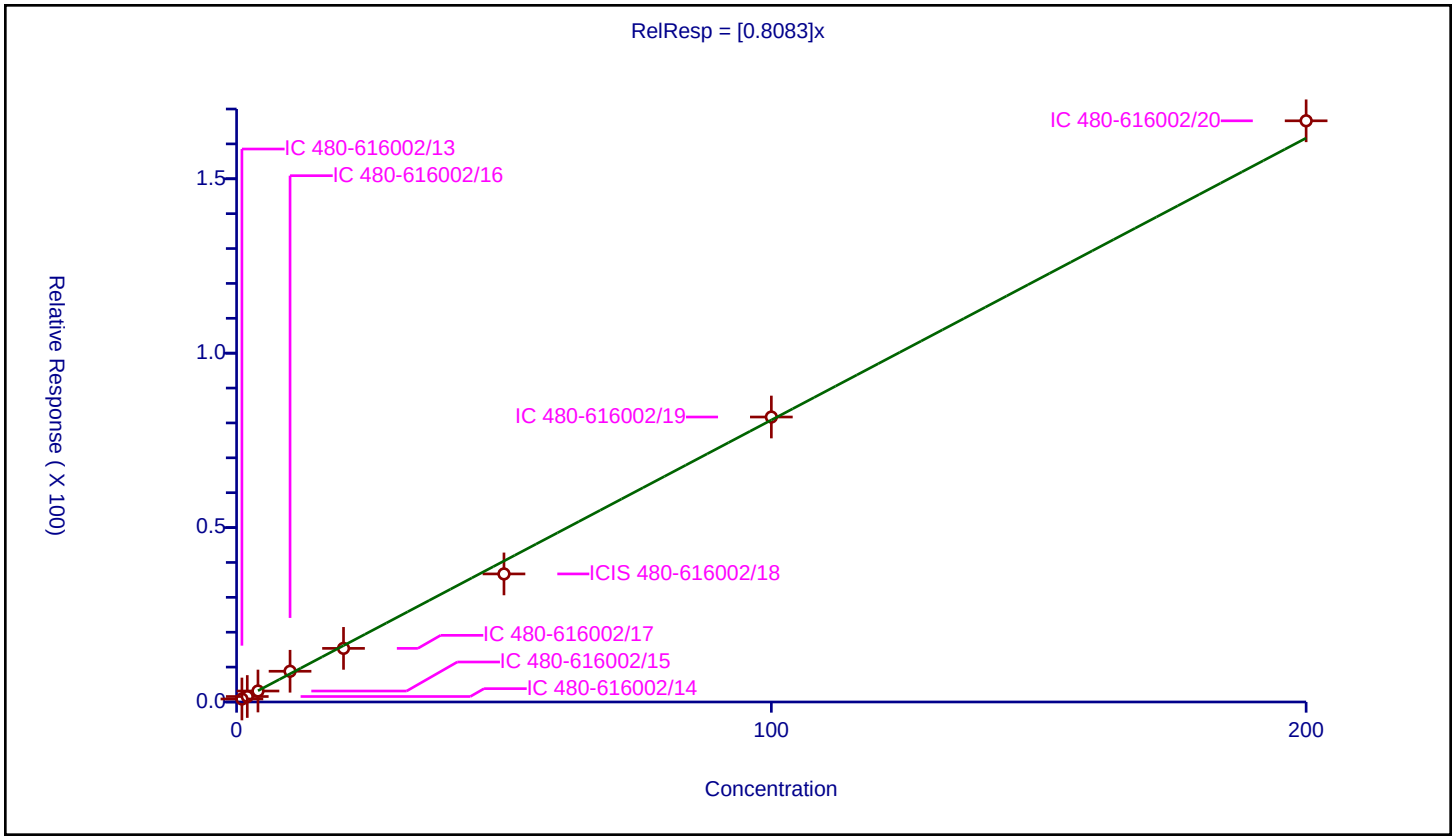
Curve Coefficients

Intercept:	0
Slope:	0.8083

Error Coefficients

Standard Error:	587000
Relative Standard Error:	6.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	1.0	0.86225	25.0	171354.0	0.86225	Y
2	IC 480-616002/14	2.0	1.568628	25.0	187648.0	0.784314	Y
3	IC 480-616002/15	4.0	3.142484	25.0	177129.0	0.785621	Y
4	IC 480-616002/16	10.0	8.814624	25.0	179500.0	0.881462	Y
5	IC 480-616002/17	20.0	15.373087	25.0	181151.0	0.768654	Y
6	ICIS 480-616002/18	50.0	36.713681	25.0	194975.0	0.734274	Y
7	IC 480-616002/19	100.0	81.69828	25.0	194382.0	0.816983	Y
8	IC 480-616002/20	200.0	166.621285	25.0	207314.0	0.833106	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

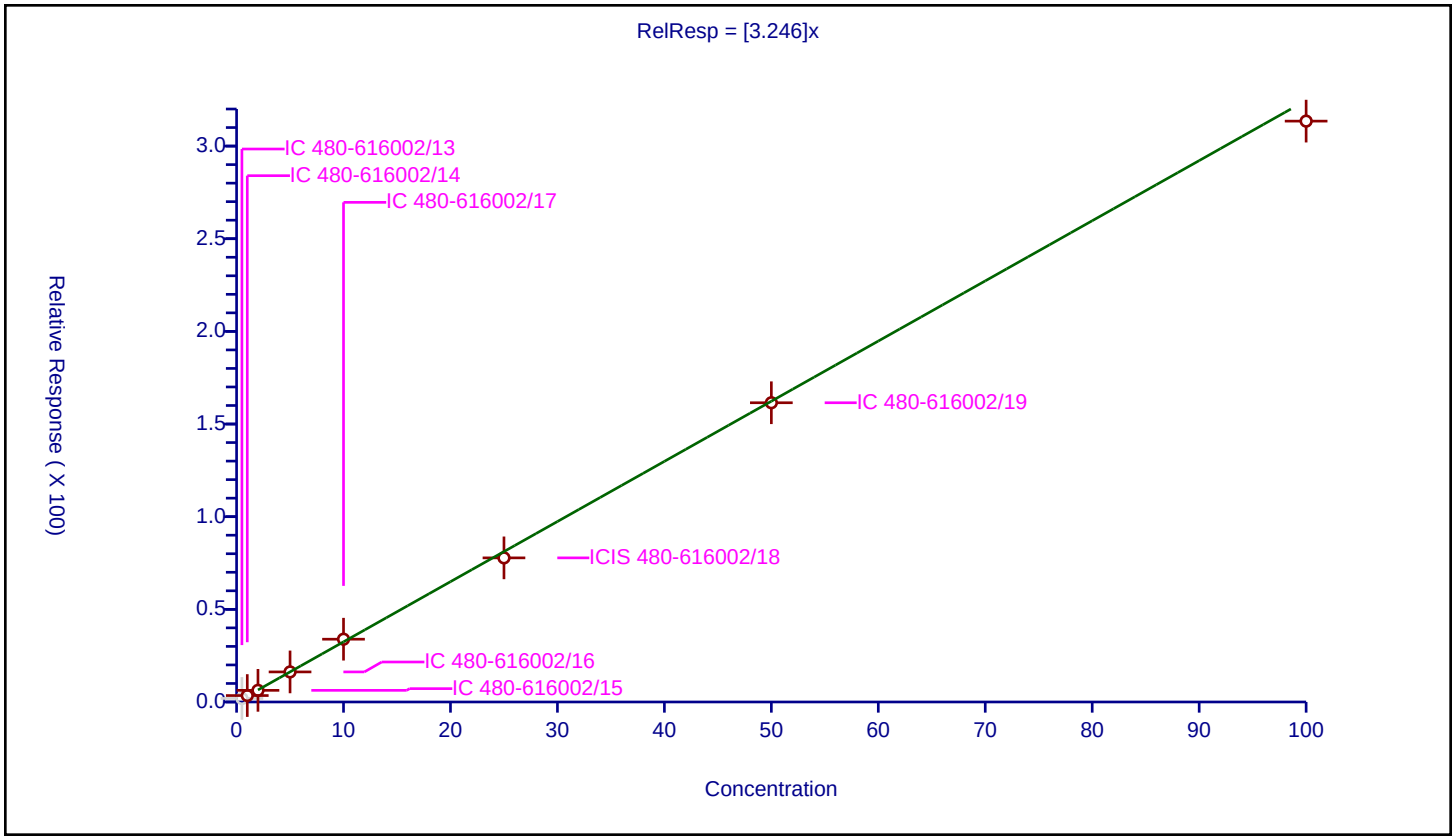
Curve Coefficients

Intercept:	0
Slope:	3.246

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.914604	25.0	171354.0	3.829207	N
2	IC 480-616002/14	1.0	3.472459	25.0	187648.0	3.472459	Y
3	IC 480-616002/15	2.0	6.284685	25.0	177129.0	3.142343	Y
4	IC 480-616002/16	5.0	16.221866	25.0	179500.0	3.244373	Y
5	IC 480-616002/17	10.0	33.889131	25.0	181151.0	3.388913	Y
6	ICIS 480-616002/18	25.0	77.77433	25.0	194975.0	3.110973	Y
7	IC 480-616002/19	50.0	161.49129	25.0	194382.0	3.229826	Y
8	IC 480-616002/20	100.0	313.47075	25.0	207314.0	3.134707	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

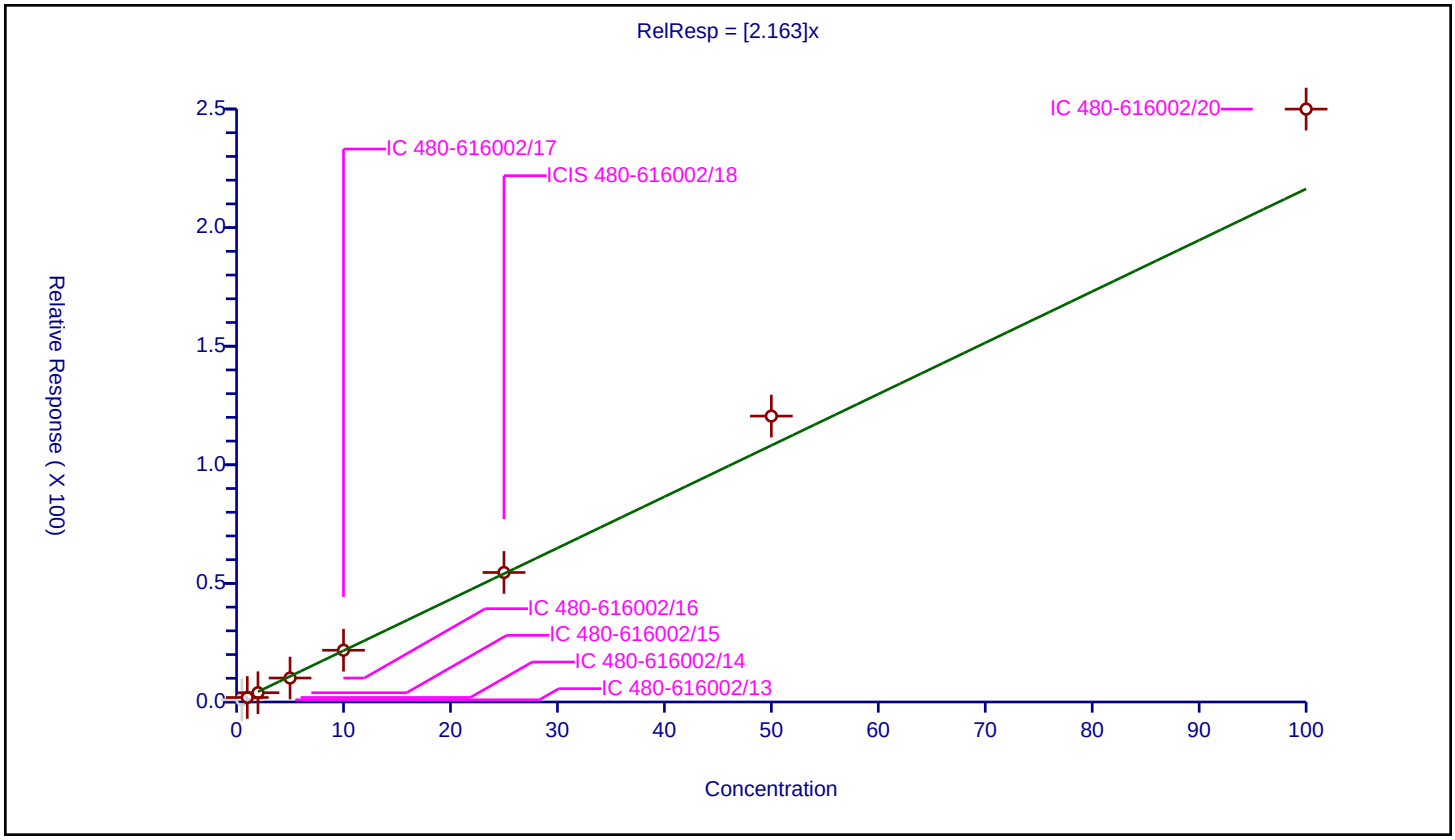
Curve Coefficients

Intercept:	0
Slope:	2.163

Error Coefficients

Standard Error:	947000
Relative Standard Error:	10.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.912439	25.0	171354.0	1.824877	N
2	IC 480-616002/14	1.0	1.892773	25.0	187648.0	1.892773	Y
3	IC 480-616002/15	2.0	3.90704	25.0	177129.0	1.95352	Y
4	IC 480-616002/16	5.0	10.107103	25.0	179500.0	2.021421	Y
5	IC 480-616002/17	10.0	21.811638	25.0	181151.0	2.181164	Y
6	ICIS 480-616002/18	25.0	54.601487	25.0	194975.0	2.184059	Y
7	IC 480-616002/19	50.0	120.536109	25.0	194382.0	2.410722	Y
8	IC 480-616002/20	100.0	249.963461	25.0	207314.0	2.499635	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

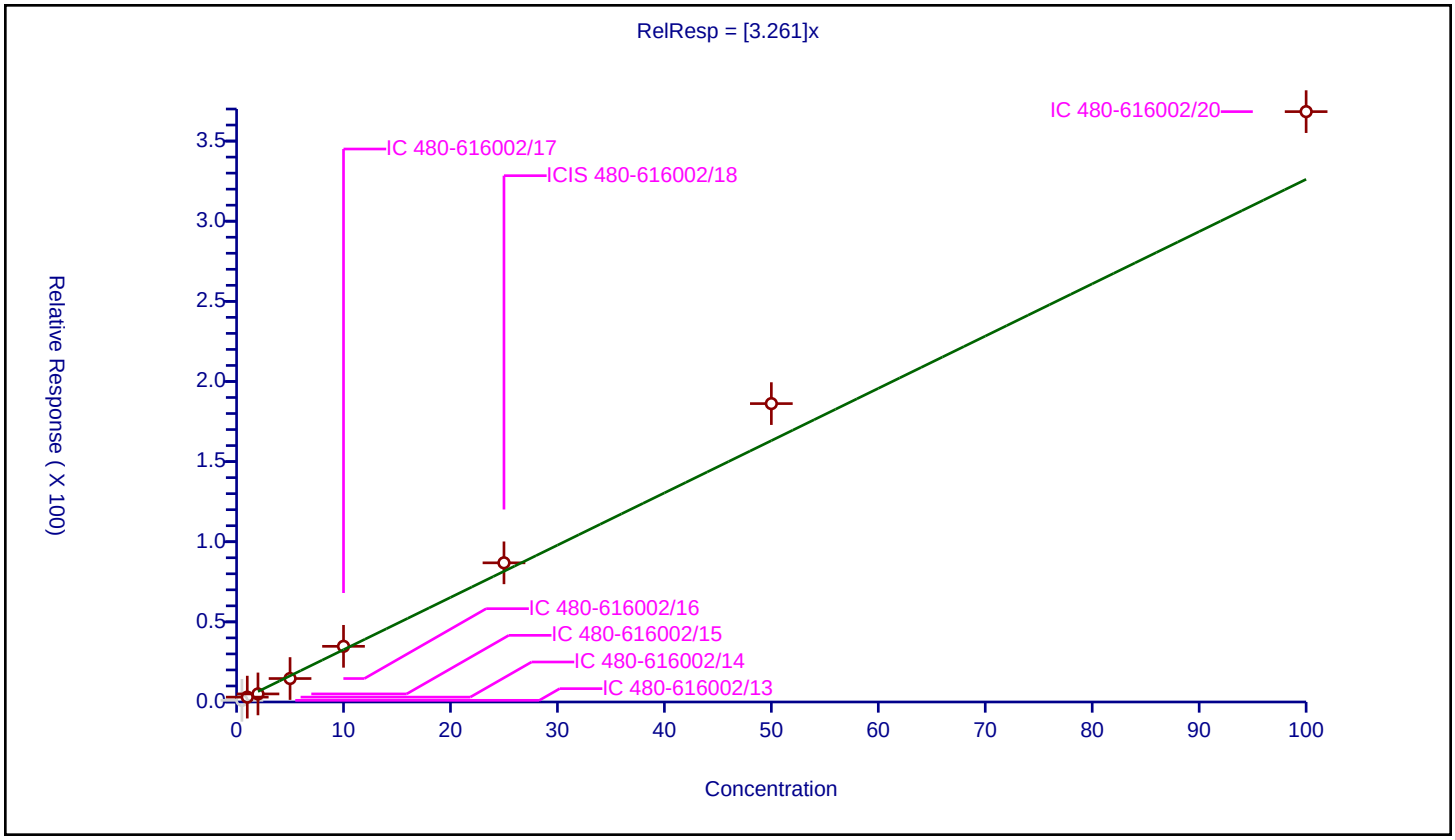
Curve Coefficients

Intercept:	0
Slope:	3.261

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.039369	25.0	171354.0	2.078738	N
2	IC 480-616002/14	1.0	3.032806	25.0	187648.0	3.032806	Y
3	IC 480-616002/15	2.0	5.033902	25.0	177129.0	2.516951	Y
4	IC 480-616002/16	5.0	14.633426	25.0	179500.0	2.926685	Y
5	IC 480-616002/17	10.0	34.729038	25.0	181151.0	3.472904	Y
6	ICIS 480-616002/18	25.0	86.824721	25.0	194975.0	3.472989	Y
7	IC 480-616002/19	50.0	186.17889	25.0	194382.0	3.723578	Y
8	IC 480-616002/20	100.0	368.37394	25.0	207314.0	3.683739	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

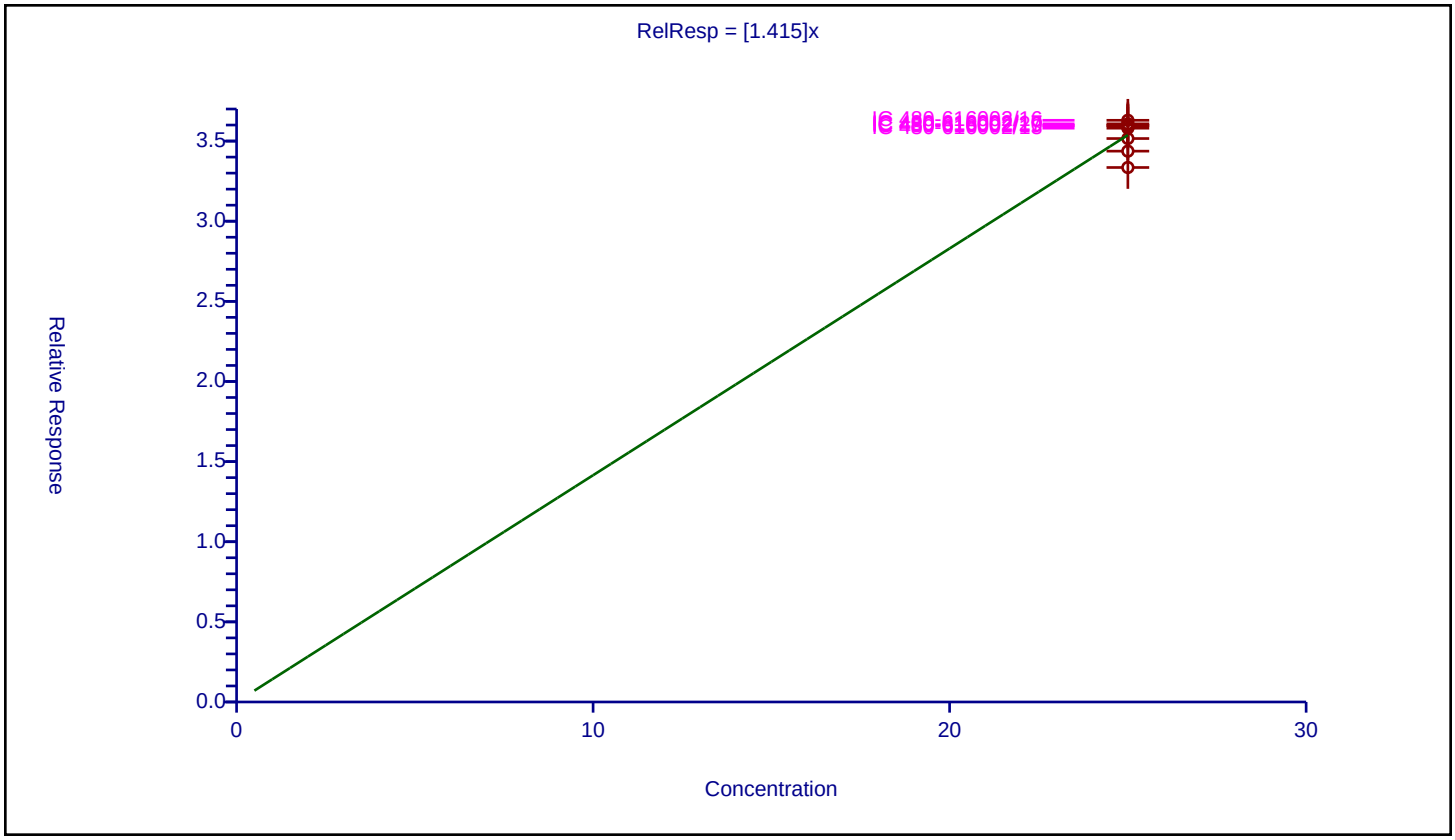
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Standard Error:	283000
Relative Standard Error:	2.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	25.0	35.803658	25.0	171354.0	1.432146	Y
2	IC 480-616002/14	25.0	33.350875	25.0	187648.0	1.334035	Y
3	IC 480-616002/15	25.0	35.158133	25.0	177129.0	1.406325	Y
4	IC 480-616002/16	25.0	36.296518	25.0	179500.0	1.451861	Y
5	IC 480-616002/17	25.0	36.074463	25.0	181151.0	1.442979	Y
6	ICIS 480-616002/18	25.0	34.370176	25.0	194975.0	1.374807	Y
7	IC 480-616002/19	25.0	35.960506	25.0	194382.0	1.43842	Y
8	IC 480-616002/20	25.0	35.966336	25.0	207314.0	1.438653	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

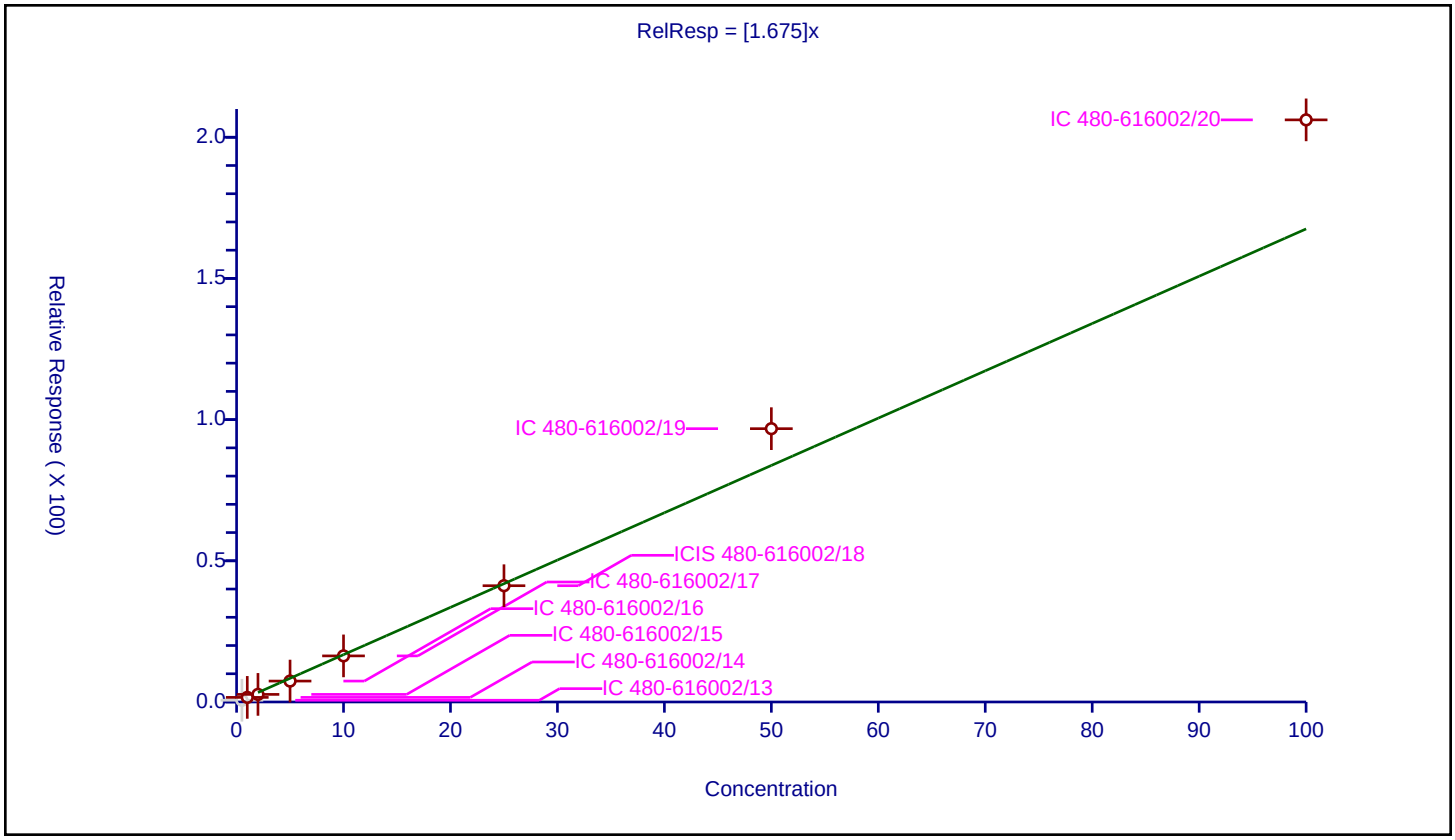
Curve Coefficients

Intercept:	0
Slope:	1.675

Error Coefficients

Standard Error:	776000
Relative Standard Error:	14.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.616268	25.0	171354.0	1.232536	N
2	IC 480-616002/14	1.0	1.624718	25.0	187648.0	1.624718	Y
3	IC 480-616002/15	2.0	2.687589	25.0	177129.0	1.343795	Y
4	IC 480-616002/16	5.0	7.411421	25.0	179500.0	1.482284	Y
5	IC 480-616002/17	10.0	16.321467	25.0	181151.0	1.632147	Y
6	ICIS 480-616002/18	25.0	41.179895	25.0	194975.0	1.647196	Y
7	IC 480-616002/19	50.0	96.794328	25.0	194382.0	1.935887	Y
8	IC 480-616002/20	100.0	206.153829	25.0	207314.0	2.061538	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

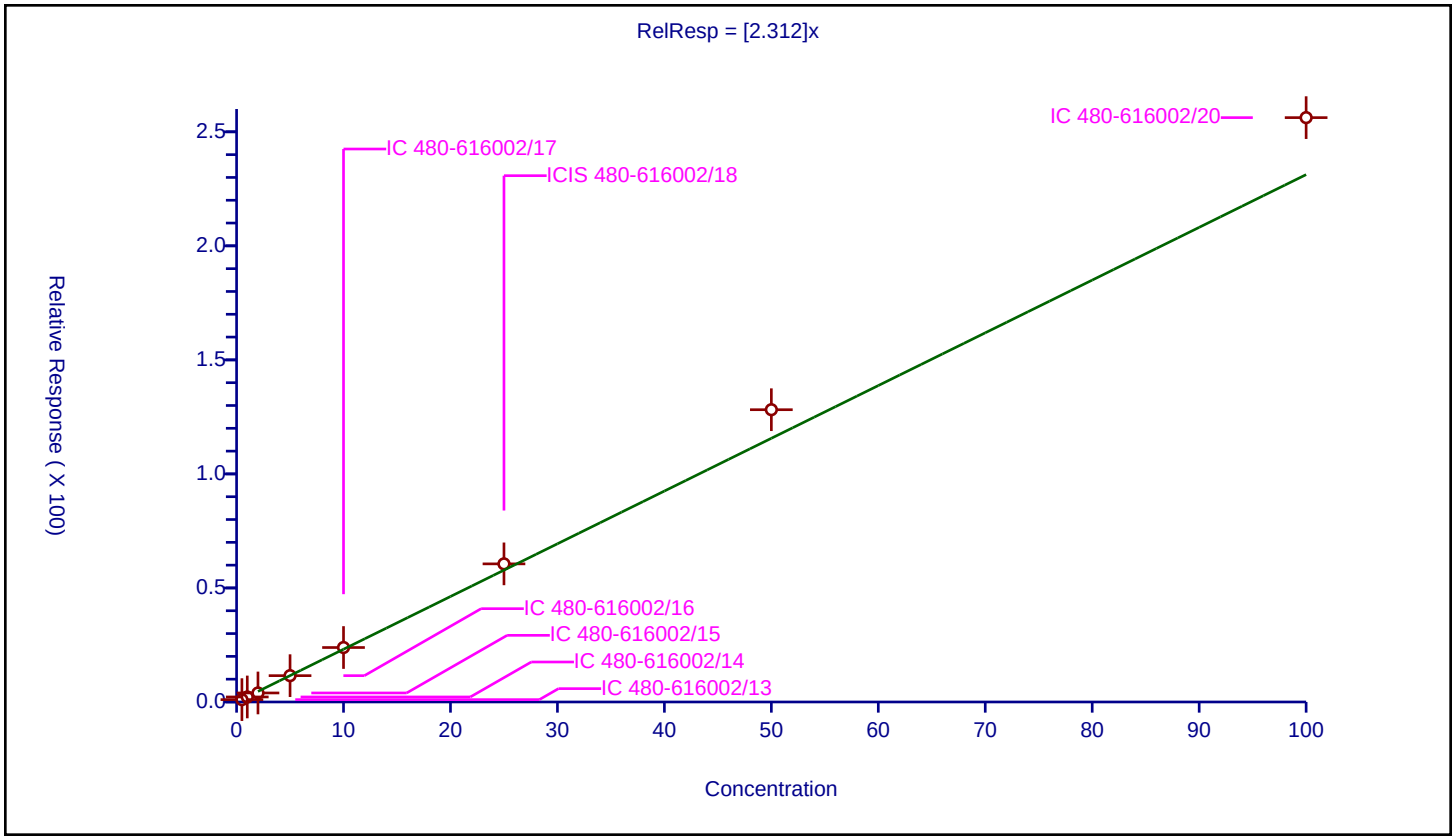
Curve Coefficients

Intercept:	0
Slope:	2.312

Error Coefficients

Standard Error:	908000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.0347	25.0	171354.0	2.0694	Y
2	IC 480-616002/14	1.0	2.205859	25.0	187648.0	2.205859	Y
3	IC 480-616002/15	2.0	3.953757	25.0	177129.0	1.976878	Y
4	IC 480-616002/16	5.0	11.55195	25.0	179500.0	2.31039	Y
5	IC 480-616002/17	10.0	23.88339	25.0	181151.0	2.388339	Y
6	ICIS 480-616002/18	25.0	60.556994	25.0	194975.0	2.42228	Y
7	IC 480-616002/19	50.0	128.160015	25.0	194382.0	2.5632	Y
8	IC 480-616002/20	100.0	256.217983	25.0	207314.0	2.56218	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

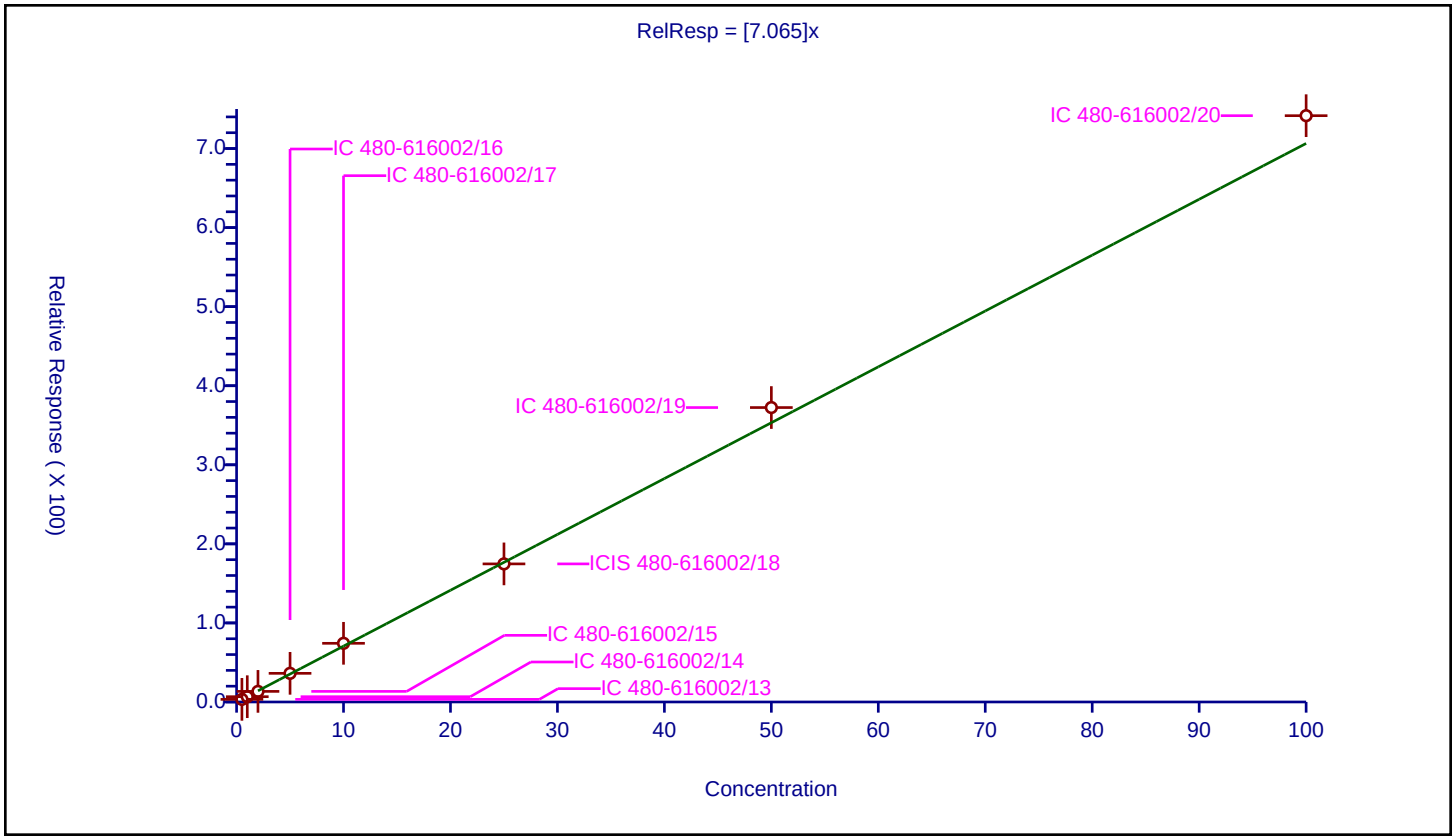
Curve Coefficients

Intercept:	0
Slope:	7.065

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	3.308939	25.0	171354.0	6.617879	Y
2	IC 480-616002/14	1.0	6.682992	25.0	187648.0	6.682992	Y
3	IC 480-616002/15	2.0	13.393346	25.0	177129.0	6.696673	Y
4	IC 480-616002/16	5.0	36.242201	25.0	179500.0	7.24844	Y
5	IC 480-616002/17	10.0	74.205635	25.0	181151.0	7.420564	Y
6	ICIS 480-616002/18	25.0	174.664188	25.0	194975.0	6.986568	Y
7	IC 480-616002/19	50.0	372.426716	25.0	194382.0	7.448534	Y
8	IC 480-616002/20	100.0	741.583058	25.0	207314.0	7.415831	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

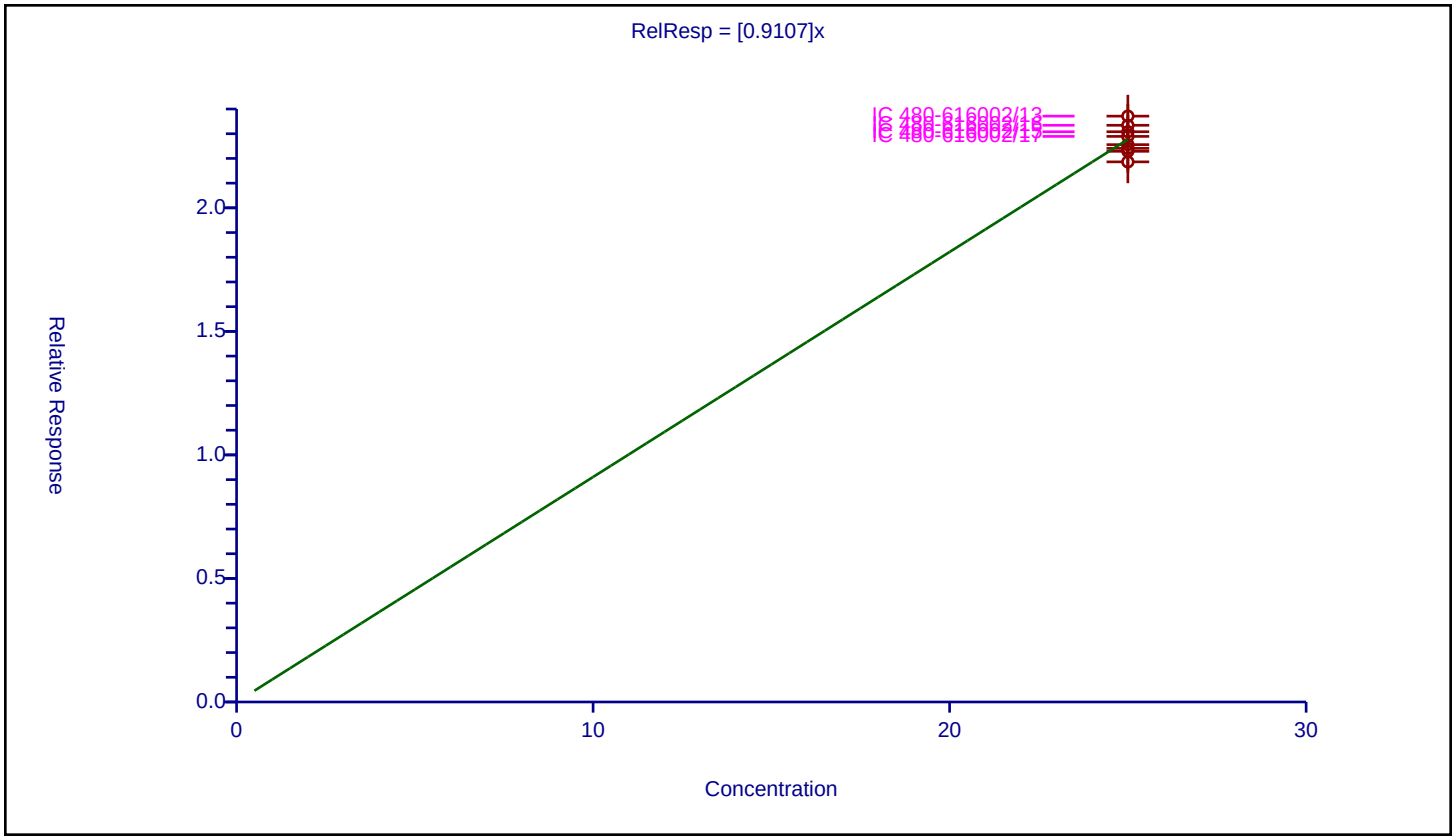
Curve Coefficients

Intercept:	0
Slope:	0.9107

Error Coefficients

Standard Error:	182000
Relative Standard Error:	2.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	25.0	23.712023	25.0	171354.0	0.948481	Y
2	IC 480-616002/14	25.0	22.288673	25.0	187648.0	0.891547	Y
3	IC 480-616002/15	25.0	23.080213	25.0	177129.0	0.923209	Y
4	IC 480-616002/16	25.0	23.341086	25.0	179500.0	0.933643	Y
5	IC 480-616002/17	25.0	22.891676	25.0	181151.0	0.915667	Y
6	ICIS 480-616002/18	25.0	21.860751	25.0	194975.0	0.87443	Y
7	IC 480-616002/19	25.0	22.407167	25.0	194382.0	0.896287	Y
8	IC 480-616002/20	25.0	22.558293	25.0	207314.0	0.902332	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

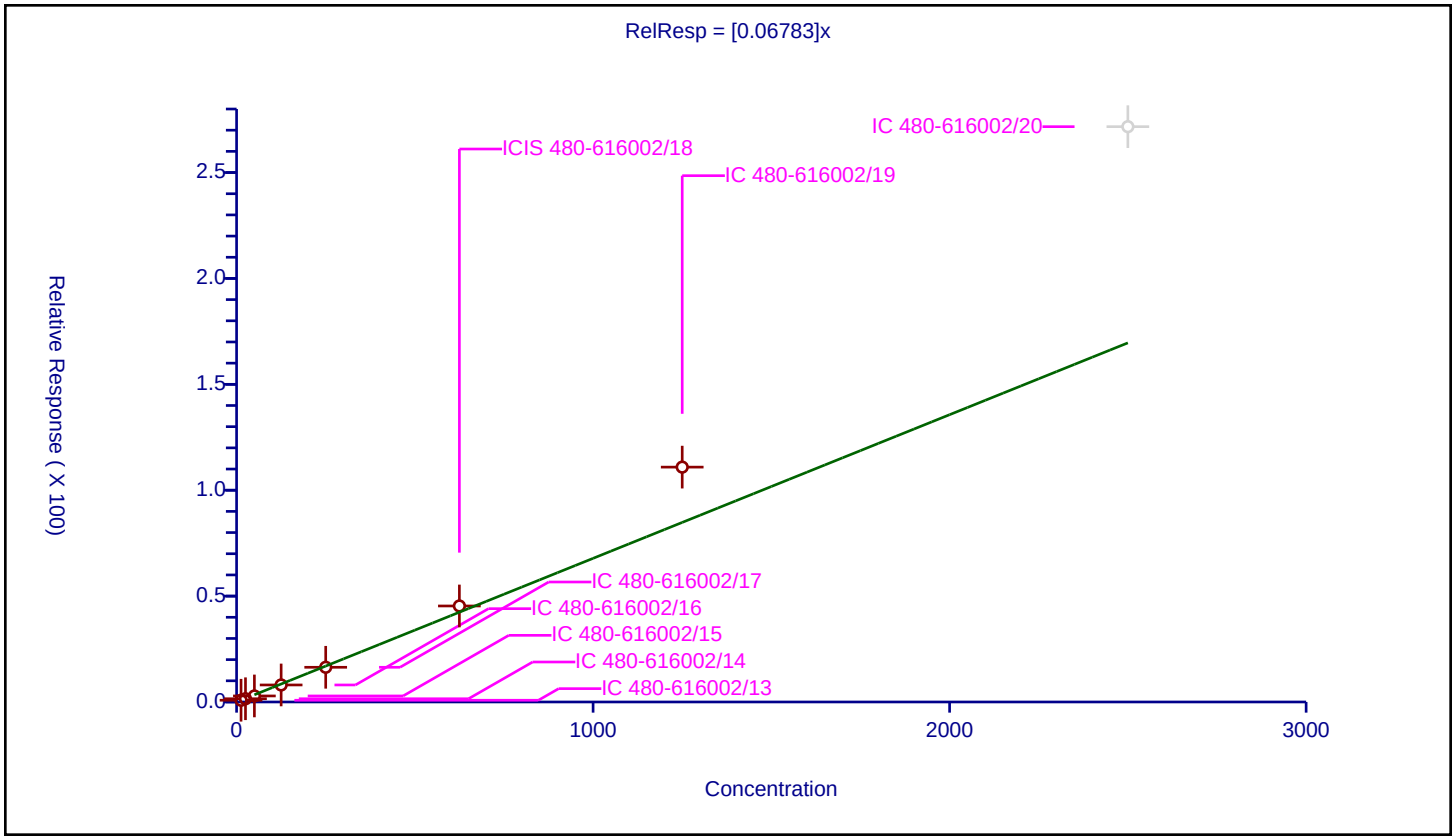
Curve Coefficients

Intercept:	0
Slope:	0.06783

Error Coefficients

Standard Error:	384000
Relative Standard Error:	15.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	12.5	0.820232	25.0	171354.0	0.065619	Y
2	IC 480-616002/14	25.0	1.526262	25.0	187648.0	0.06105	Y
3	IC 480-616002/15	50.0	2.851312	25.0	177129.0	0.057026	Y
4	IC 480-616002/16	125.0	8.03649	25.0	179500.0	0.064292	Y
5	IC 480-616002/17	250.0	16.388676	25.0	181151.0	0.065555	Y
6	ICIS 480-616002/18	625.0	45.333761	25.0	194975.0	0.072534	Y
7	IC 480-616002/19	1250.0	110.904559	25.0	194382.0	0.088724	Y
8	IC 480-616002/20	2500.0	271.666651	25.0	207314.0	0.108667	N



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

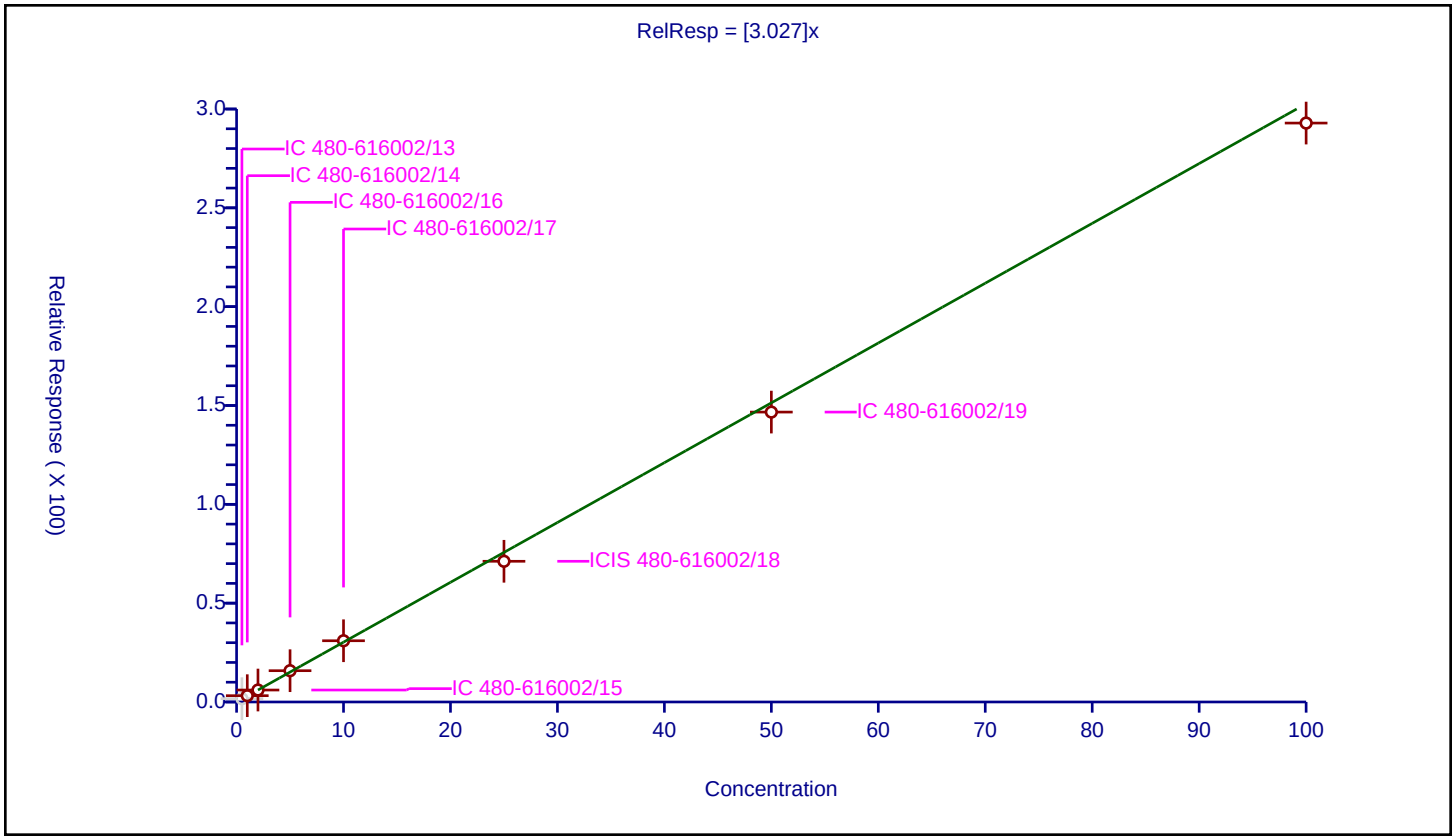
Curve Coefficients

Intercept:	0
Slope:	3.027

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.692695	25.0	171354.0	3.385389	N
2	IC 480-616002/14	1.0	3.190548	25.0	187648.0	3.190548	Y
3	IC 480-616002/15	2.0	6.045735	25.0	177129.0	3.022868	Y
4	IC 480-616002/16	5.0	15.827019	25.0	179500.0	3.165404	Y
5	IC 480-616002/17	10.0	30.987822	25.0	181151.0	3.098782	Y
6	ICIS 480-616002/18	25.0	71.190409	25.0	194975.0	2.847616	Y
7	IC 480-616002/19	50.0	146.668544	25.0	194382.0	2.933371	Y
8	IC 480-616002/20	100.0	292.890977	25.0	207314.0	2.92891	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

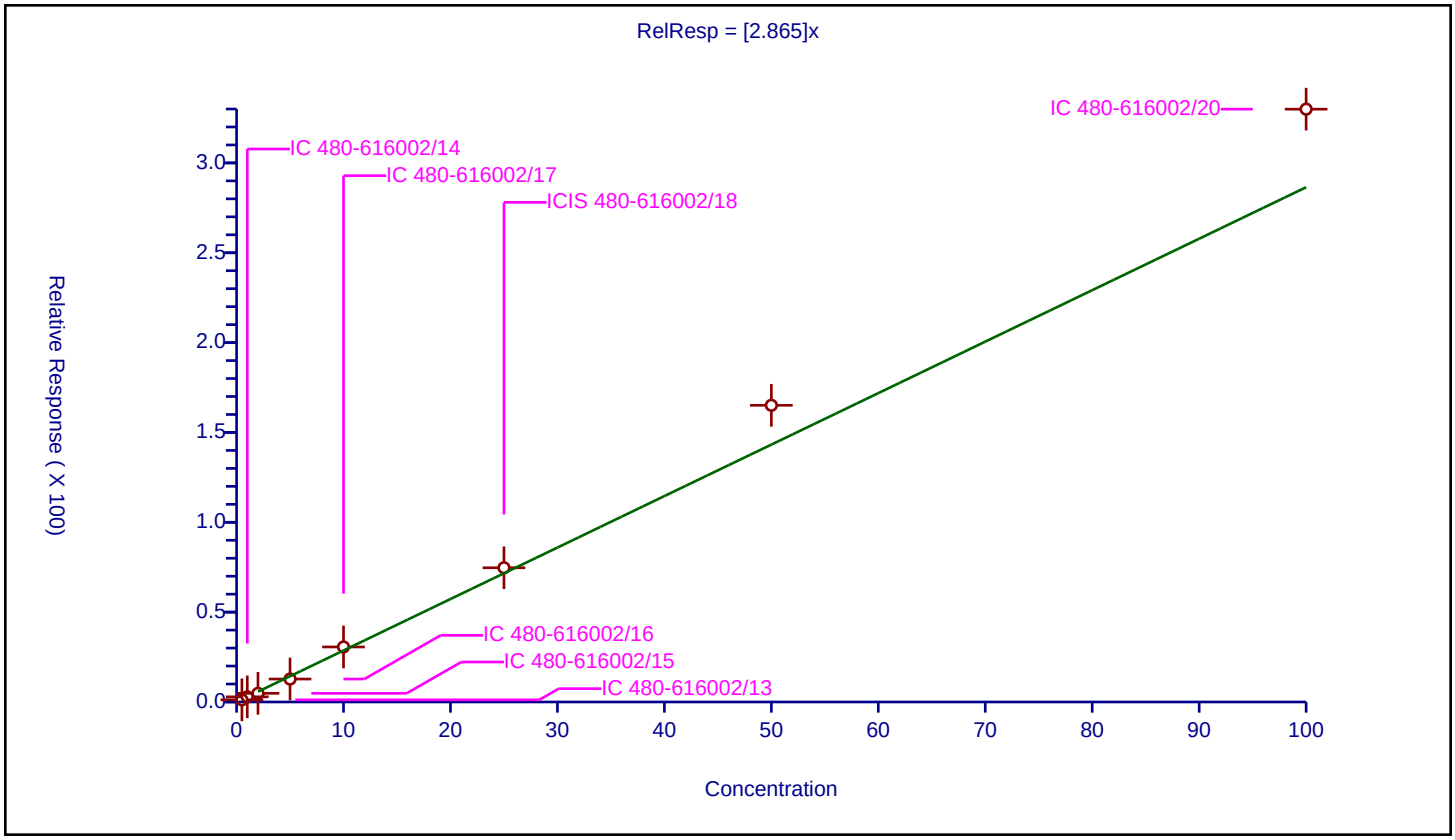
Curve Coefficients

Intercept:	0
Slope:	2.865

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	12.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.215904	25.0	171354.0	2.431808	Y
2	IC 480-616002/14	1.0	2.869069	25.0	187648.0	2.869069	Y
3	IC 480-616002/15	2.0	4.82078	25.0	177129.0	2.41039	Y
4	IC 480-616002/16	5.0	12.767549	25.0	179500.0	2.55351	Y
5	IC 480-616002/17	10.0	30.629972	25.0	181151.0	3.062997	Y
6	ICIS 480-616002/18	25.0	74.7015	25.0	194975.0	2.98806	Y
7	IC 480-616002/19	50.0	165.104922	25.0	194382.0	3.302098	Y
8	IC 480-616002/20	100.0	329.915008	25.0	207314.0	3.29915	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

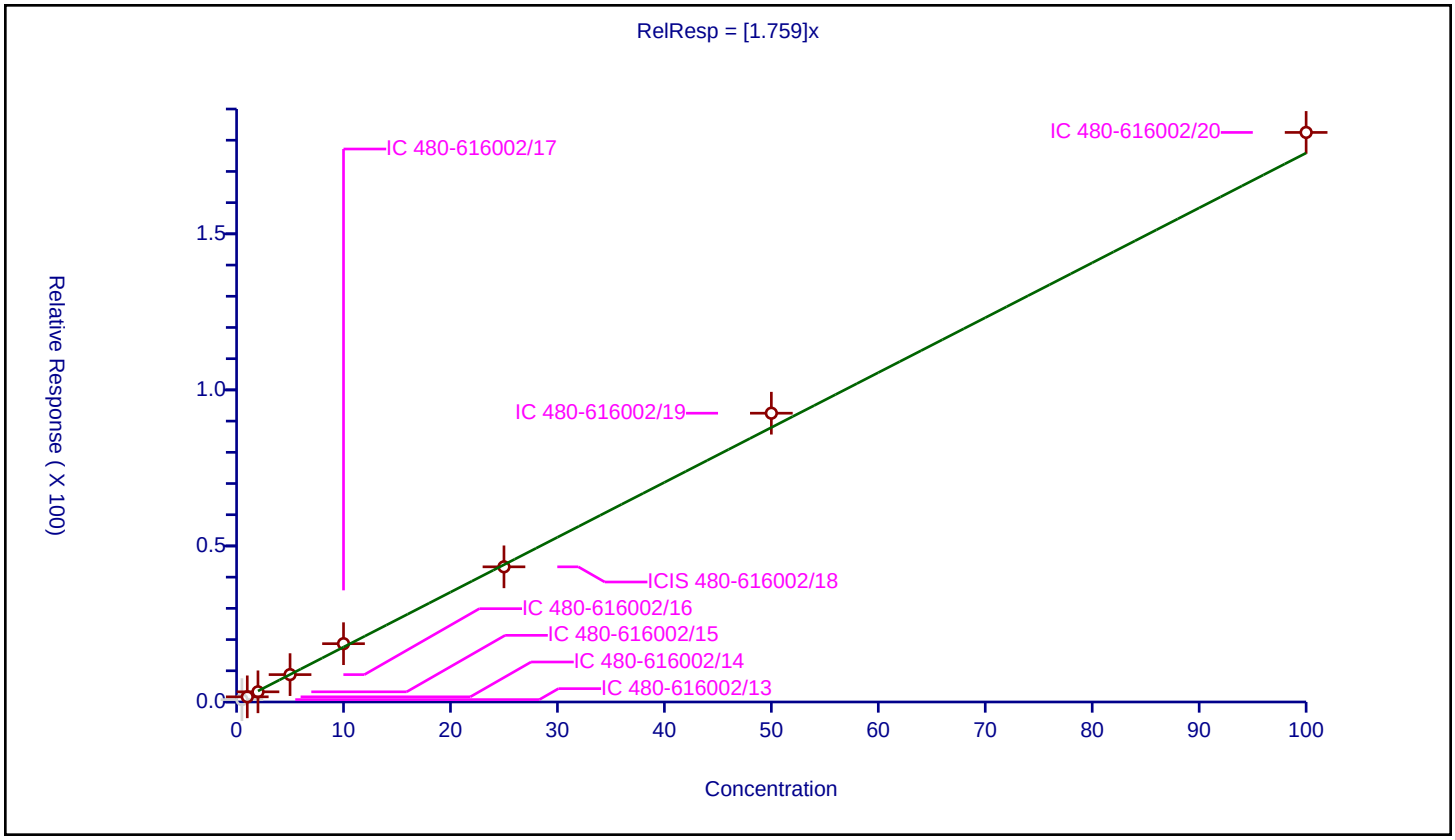
Curve Coefficients

Intercept:	0
Slope:	1.759

Error Coefficients

Standard Error:	701000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.765229	25.0	171354.0	1.530457	N
2	IC 480-616002/14	1.0	1.653761	25.0	187648.0	1.653761	Y
3	IC 480-616002/15	2.0	3.256807	25.0	177129.0	1.628404	Y
4	IC 480-616002/16	5.0	8.772981	25.0	179500.0	1.754596	Y
5	IC 480-616002/17	10.0	18.68386	25.0	181151.0	1.868386	Y
6	ICIS 480-616002/18	25.0	43.31004	25.0	194975.0	1.732402	Y
7	IC 480-616002/19	50.0	92.53686	25.0	194382.0	1.850737	Y
8	IC 480-616002/20	100.0	182.500941	25.0	207314.0	1.825009	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

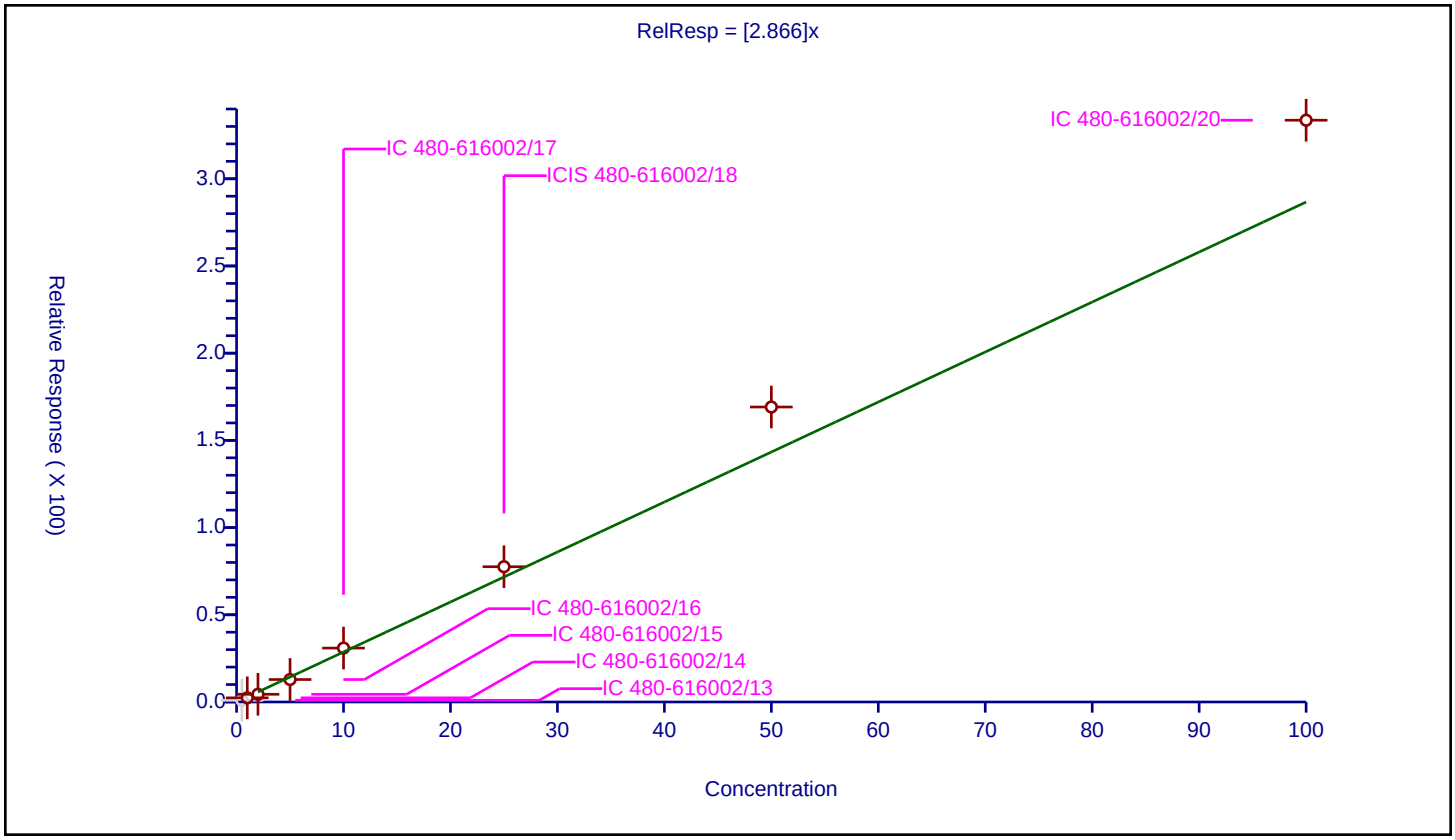
Curve Coefficients

Intercept:	0
Slope:	2.866

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	16.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.974591	25.0	171354.0	1.949181	N
2	IC 480-616002/14	1.0	2.372261	25.0	187648.0	2.372261	Y
3	IC 480-616002/15	2.0	4.407946	25.0	177129.0	2.203973	Y
4	IC 480-616002/16	5.0	12.883705	25.0	179500.0	2.576741	Y
5	IC 480-616002/17	10.0	30.914679	25.0	181151.0	3.091468	Y
6	ICIS 480-616002/18	25.0	77.563021	25.0	194975.0	3.102521	Y
7	IC 480-616002/19	50.0	169.128314	25.0	194382.0	3.382566	Y
8	IC 480-616002/20	100.0	333.584563	25.0	207314.0	3.335846	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

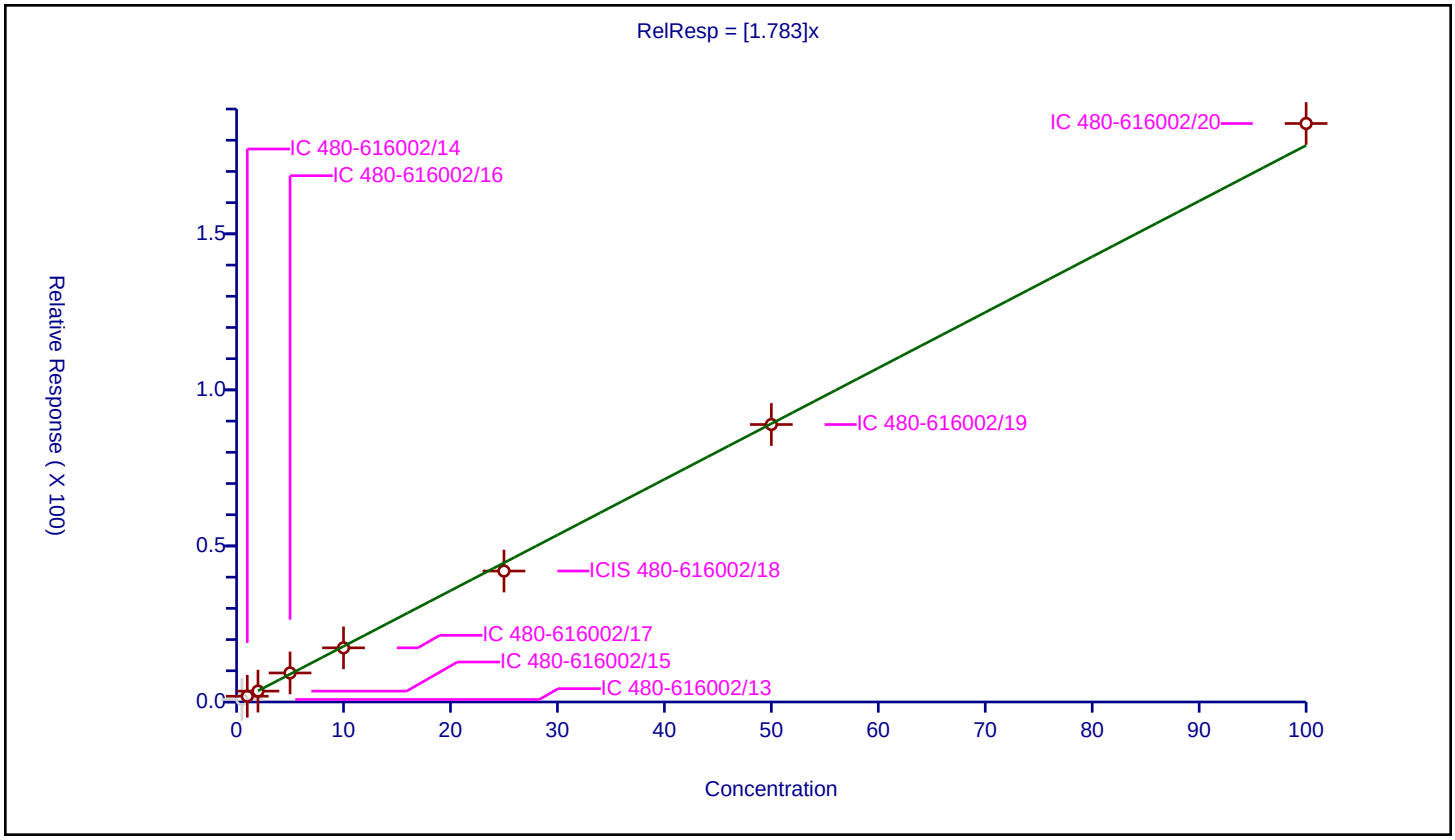
Curve Coefficients

Intercept:	0
Slope:	1.783

Error Coefficients

Standard Error:	703000
Relative Standard Error:	3.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.810749	25.0	171354.0	1.621497	N
2	IC 480-616002/14	1.0	1.837083	25.0	187648.0	1.837083	Y
3	IC 480-616002/15	2.0	3.483055	25.0	177129.0	1.741527	Y
4	IC 480-616002/16	5.0	9.303482	25.0	179500.0	1.860696	Y
5	IC 480-616002/17	10.0	17.350028	25.0	181151.0	1.735003	Y
6	ICIS 480-616002/18	25.0	41.953712	25.0	194975.0	1.678148	Y
7	IC 480-616002/19	50.0	88.907666	25.0	194382.0	1.778153	Y
8	IC 480-616002/20	100.0	185.363989	25.0	207314.0	1.85364	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

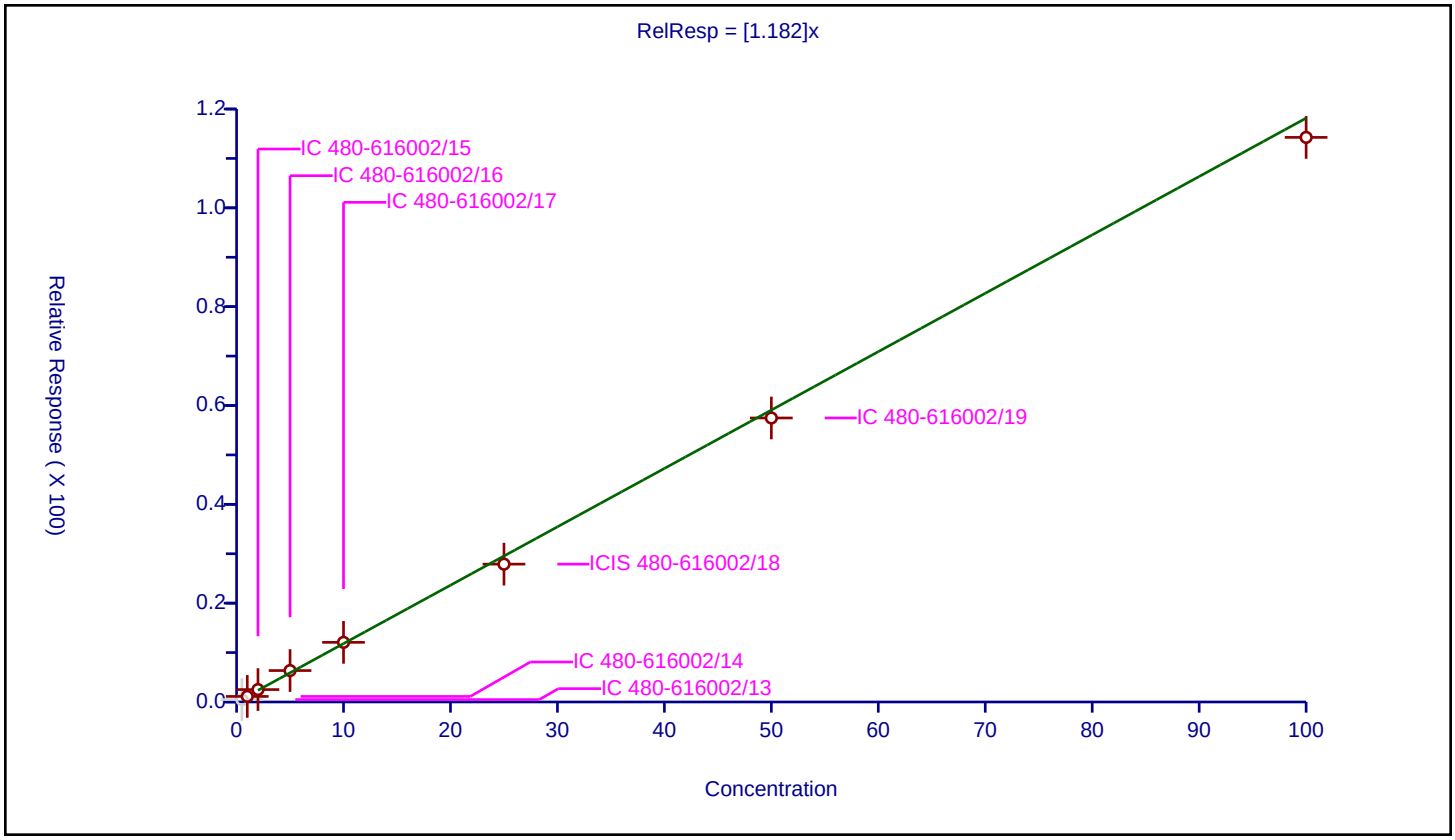
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Standard Error:	439000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.490359	25.0	171354.0	0.980718	N
2	IC 480-616002/14	1.0	1.12751	25.0	187648.0	1.12751	Y
3	IC 480-616002/15	2.0	2.513422	25.0	177129.0	1.256711	Y
4	IC 480-616002/16	5.0	6.357521	25.0	179500.0	1.271504	Y
5	IC 480-616002/17	10.0	12.071283	25.0	181151.0	1.207128	Y
6	ICIS 480-616002/18	25.0	27.897166	25.0	194975.0	1.115887	Y
7	IC 480-616002/19	50.0	57.474586	25.0	194382.0	1.149492	Y
8	IC 480-616002/20	100.0	114.260132	25.0	207314.0	1.142601	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

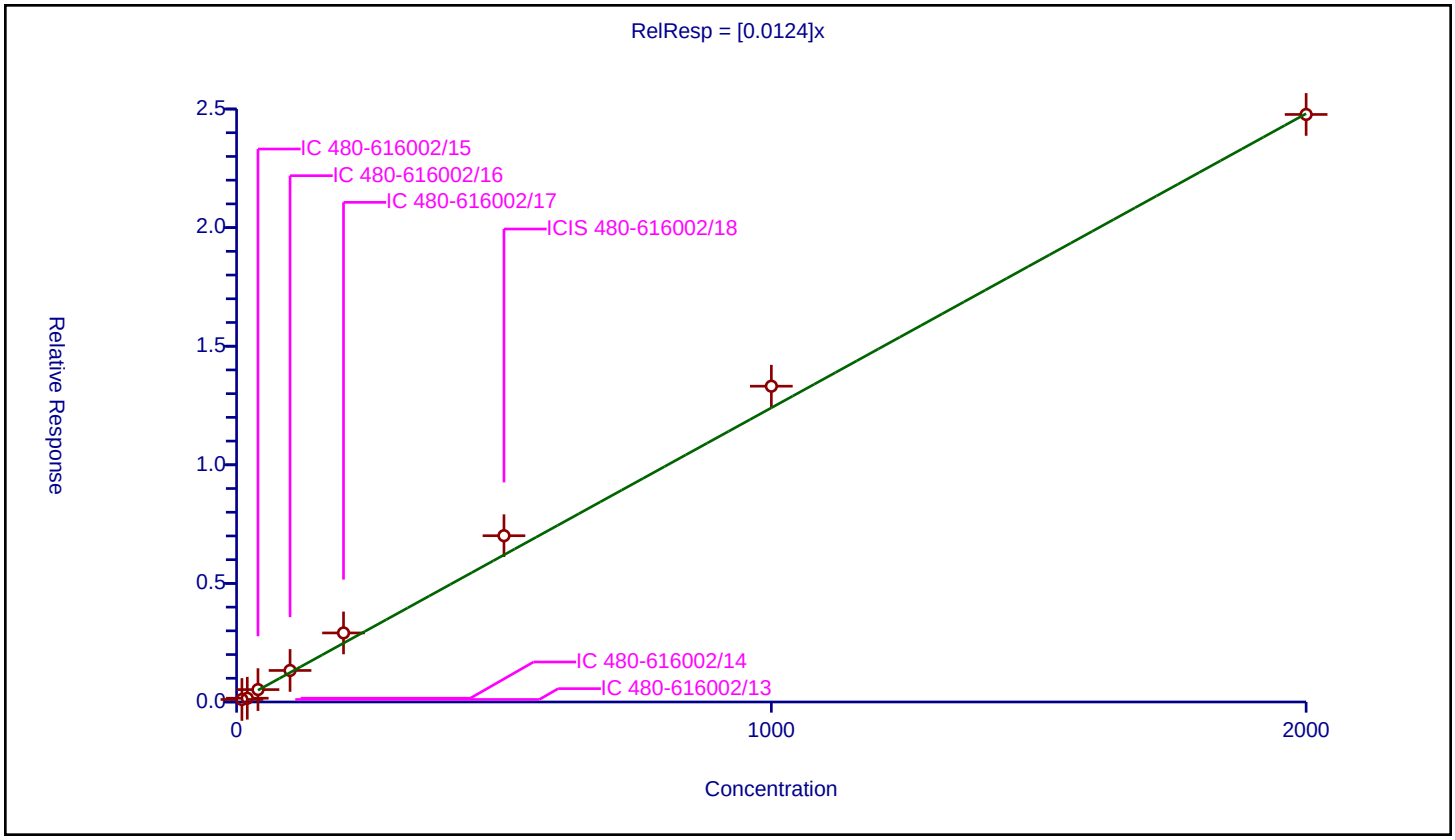
Curve Coefficients

Intercept:	0
Slope:	0.0124

Error Coefficients

Standard Error:	185000
Relative Standard Error:	17.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	10.0	0.106667	25.0	330701.0	0.010667	Y
2	IC 480-616002/14	20.0	0.158513	25.0	355491.0	0.007926	Y
3	IC 480-616002/15	40.0	0.521936	25.0	331171.0	0.013048	Y
4	IC 480-616002/16	100.0	1.329882	25.0	359374.0	0.013299	Y
5	IC 480-616002/17	200.0	2.911131	25.0	351822.0	0.014556	Y
6	ICIS 480-616002/18	500.0	7.010862	25.0	368792.0	0.014022	Y
7	IC 480-616002/19	1000.0	13.314453	25.0	389832.0	0.013314	Y
8	IC 480-616002/20	2000.0	24.770131	25.0	433834.0	0.012385	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

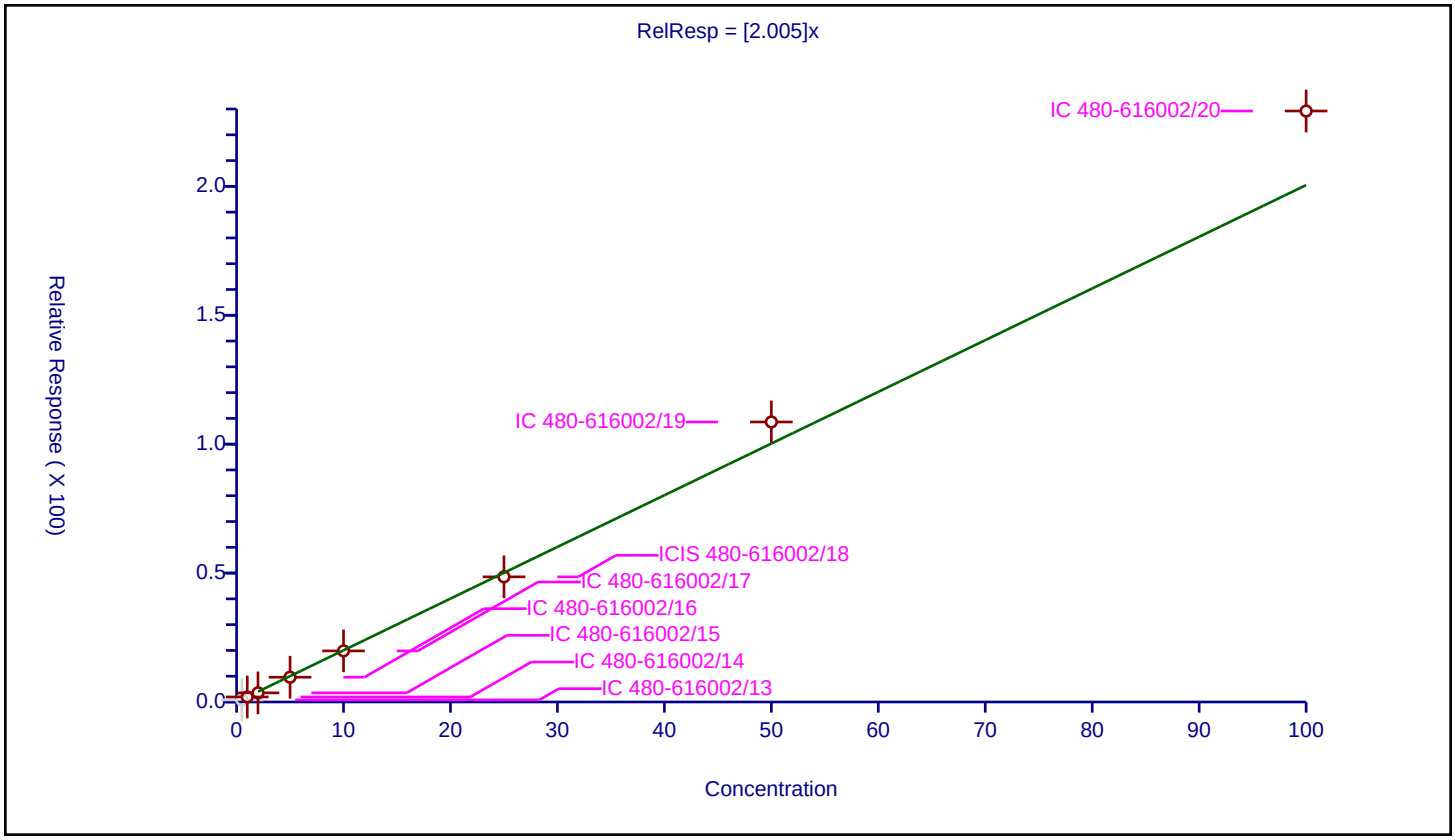
Curve Coefficients

Intercept:	0
Slope:	2.005

Error Coefficients

Standard Error:	866000
Relative Standard Error:	8.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.809435	25.0	171354.0	1.618871	N
2	IC 480-616002/14	1.0	1.951393	25.0	187648.0	1.951393	Y
3	IC 480-616002/15	2.0	3.547556	25.0	177129.0	1.773778	Y
4	IC 480-616002/16	5.0	9.608635	25.0	179500.0	1.921727	Y
5	IC 480-616002/17	10.0	19.812477	25.0	181151.0	1.981248	Y
6	ICIS 480-616002/18	25.0	48.539428	25.0	194975.0	1.941577	Y
7	IC 480-616002/19	50.0	108.606764	25.0	194382.0	2.172135	Y
8	IC 480-616002/20	100.0	229.220892	25.0	207314.0	2.292209	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

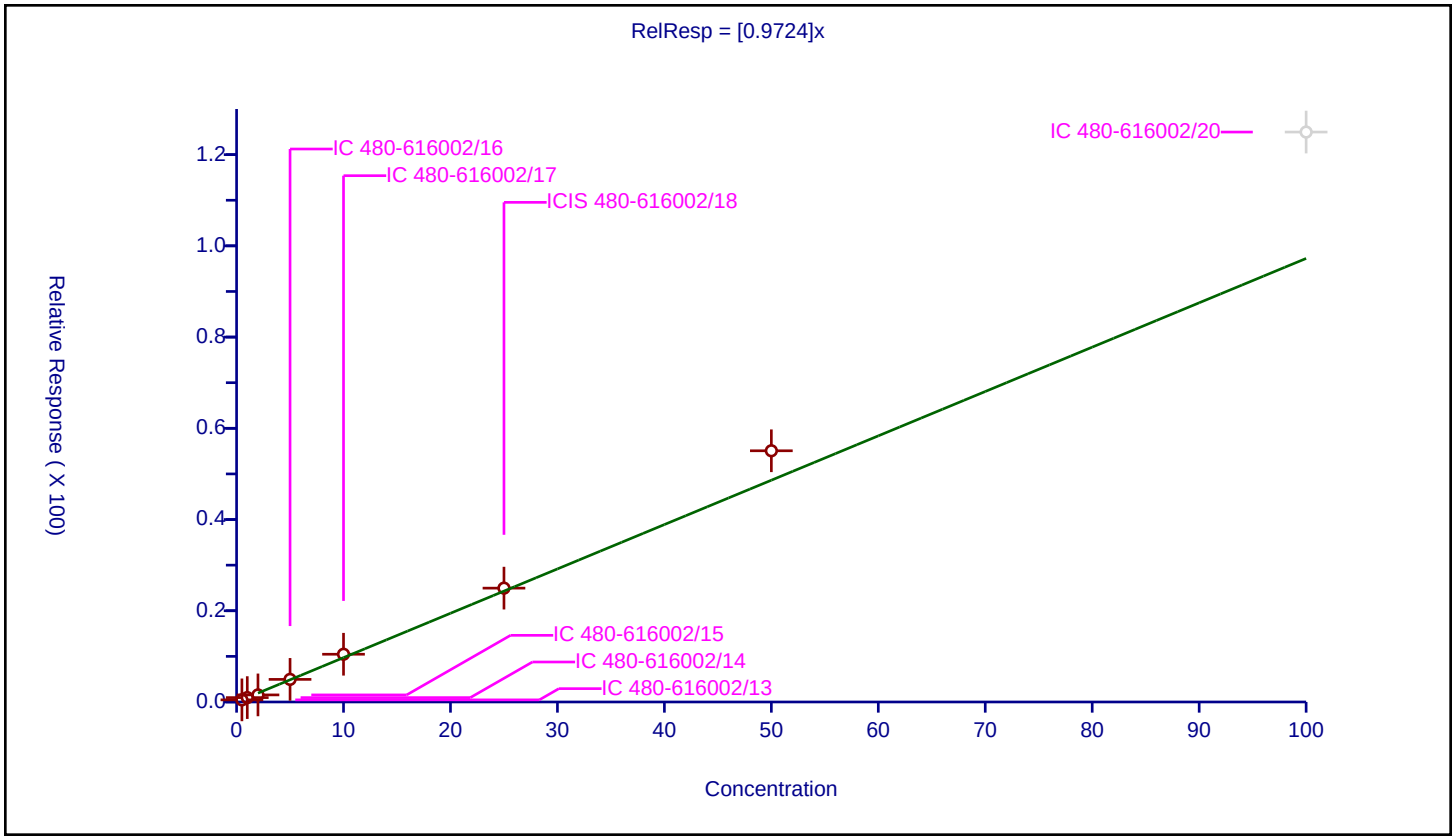
Curve Coefficients

Intercept:	0
Slope:	0.9724

Error Coefficients

Standard Error:	195000
Relative Standard Error:	10.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.46687	25.0	171354.0	0.93374	Y
2	IC 480-616002/14	1.0	0.959909	25.0	187648.0	0.959909	Y
3	IC 480-616002/15	2.0	1.551412	25.0	177129.0	0.775706	Y
4	IC 480-616002/16	5.0	4.955014	25.0	179500.0	0.991003	Y
5	IC 480-616002/17	10.0	10.465716	25.0	181151.0	1.046572	Y
6	ICIS 480-616002/18	25.0	24.959354	25.0	194975.0	0.998374	Y
7	IC 480-616002/19	50.0	55.073258	25.0	194382.0	1.101465	Y
8	IC 480-616002/20	100.0	124.949714	25.0	207314.0	1.249497	N



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

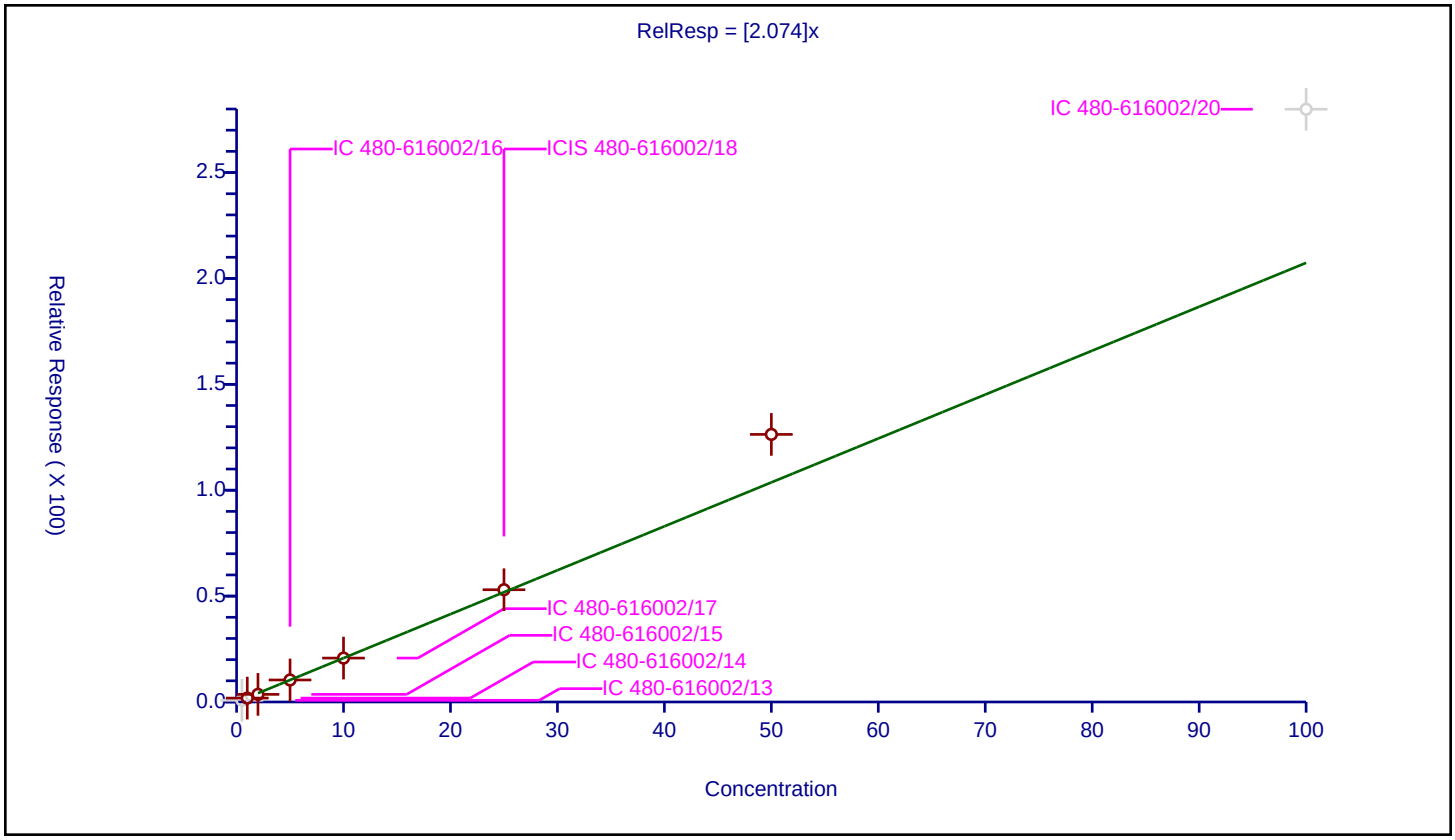
Curve Coefficients

Intercept:	0
Slope:	2.074

Error Coefficients

Standard Error:	483000
Relative Standard Error:	12.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.800098	25.0	171354.0	1.600196	N
2	IC 480-616002/14	1.0	1.844278	25.0	187648.0	1.844278	Y
3	IC 480-616002/15	2.0	3.597378	25.0	177129.0	1.798689	Y
4	IC 480-616002/16	5.0	10.39415	25.0	179500.0	2.07883	Y
5	IC 480-616002/17	10.0	20.729944	25.0	181151.0	2.072994	Y
6	ICIS 480-616002/18	25.0	53.00141	25.0	194975.0	2.120056	Y
7	IC 480-616002/19	50.0	126.358022	25.0	194382.0	2.52716	Y
8	IC 480-616002/20	100.0	279.896558	25.0	207314.0	2.798966	N



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

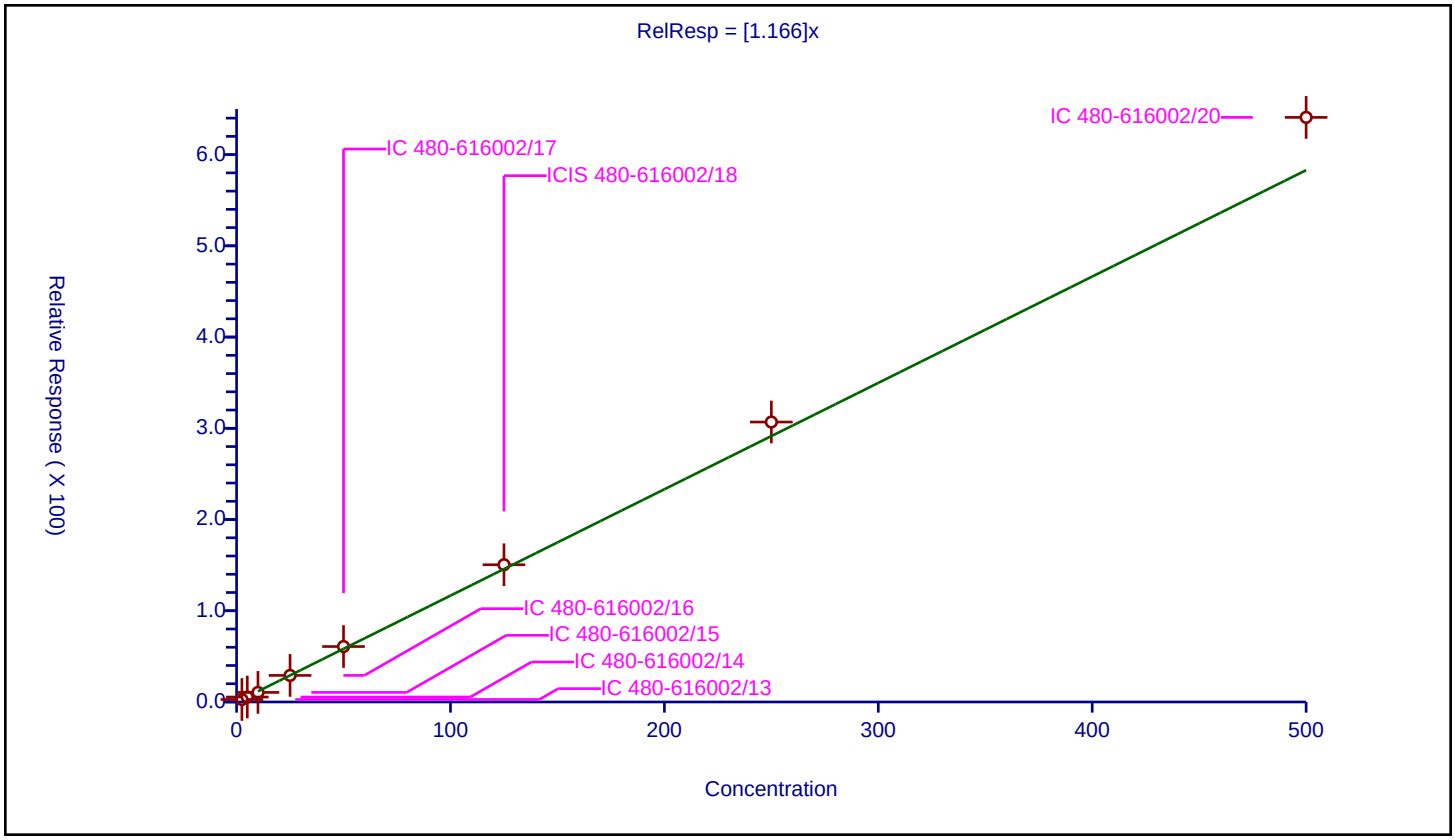
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Standard Error:	4670000
Relative Standard Error:	6.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	2.5	2.741903	25.0	330701.0	1.096761	Y
2	IC 480-616002/14	5.0	5.429814	25.0	355491.0	1.085963	Y
3	IC 480-616002/15	10.0	10.505675	25.0	331171.0	1.050568	Y
4	IC 480-616002/16	25.0	29.125438	25.0	359374.0	1.165018	Y
5	IC 480-616002/17	50.0	60.798145	25.0	351822.0	1.215963	Y
6	ICIS 480-616002/18	125.0	150.442729	25.0	368792.0	1.203542	Y
7	IC 480-616002/19	250.0	306.875782	25.0	389832.0	1.227503	Y
8	IC 480-616002/20	500.0	640.830479	25.0	433834.0	1.281661	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

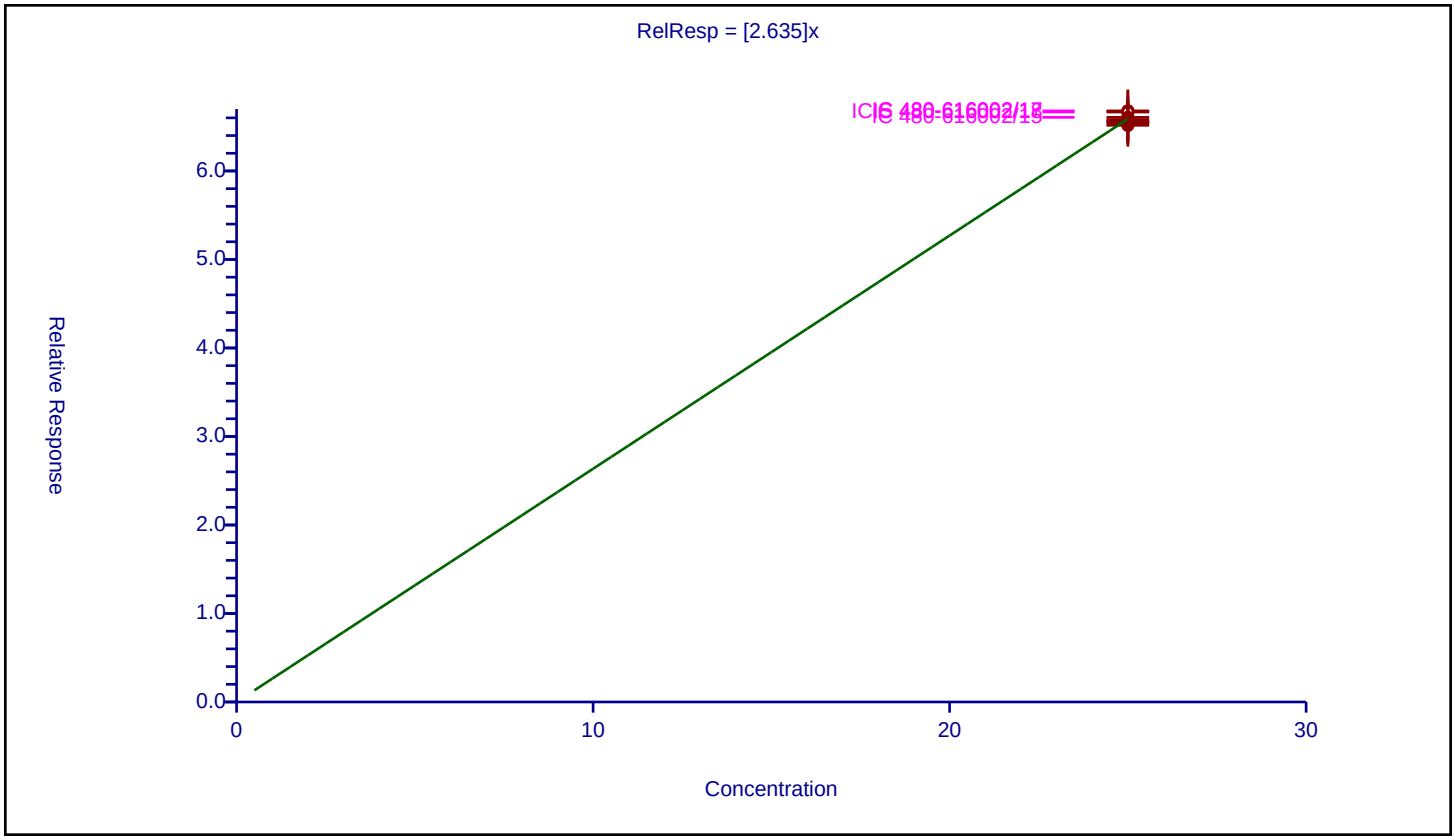
Curve Coefficients

Intercept:	0
Slope:	2.635

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	0.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	25.0	65.606847	25.0	330701.0	2.624274	Y
2	IC 480-616002/14	25.0	65.801877	25.0	355491.0	2.632075	Y
3	IC 480-616002/15	25.0	66.056282	25.0	331171.0	2.642251	Y
4	IC 480-616002/16	25.0	65.15559	25.0	359374.0	2.606224	Y
5	IC 480-616002/17	25.0	66.789811	25.0	351822.0	2.671592	Y
6	ICIS 480-616002/18	25.0	66.658848	25.0	368792.0	2.666354	Y
7	IC 480-616002/19	25.0	65.529189	25.0	389832.0	2.621168	Y
8	IC 480-616002/20	25.0	65.40451	25.0	433834.0	2.61618	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

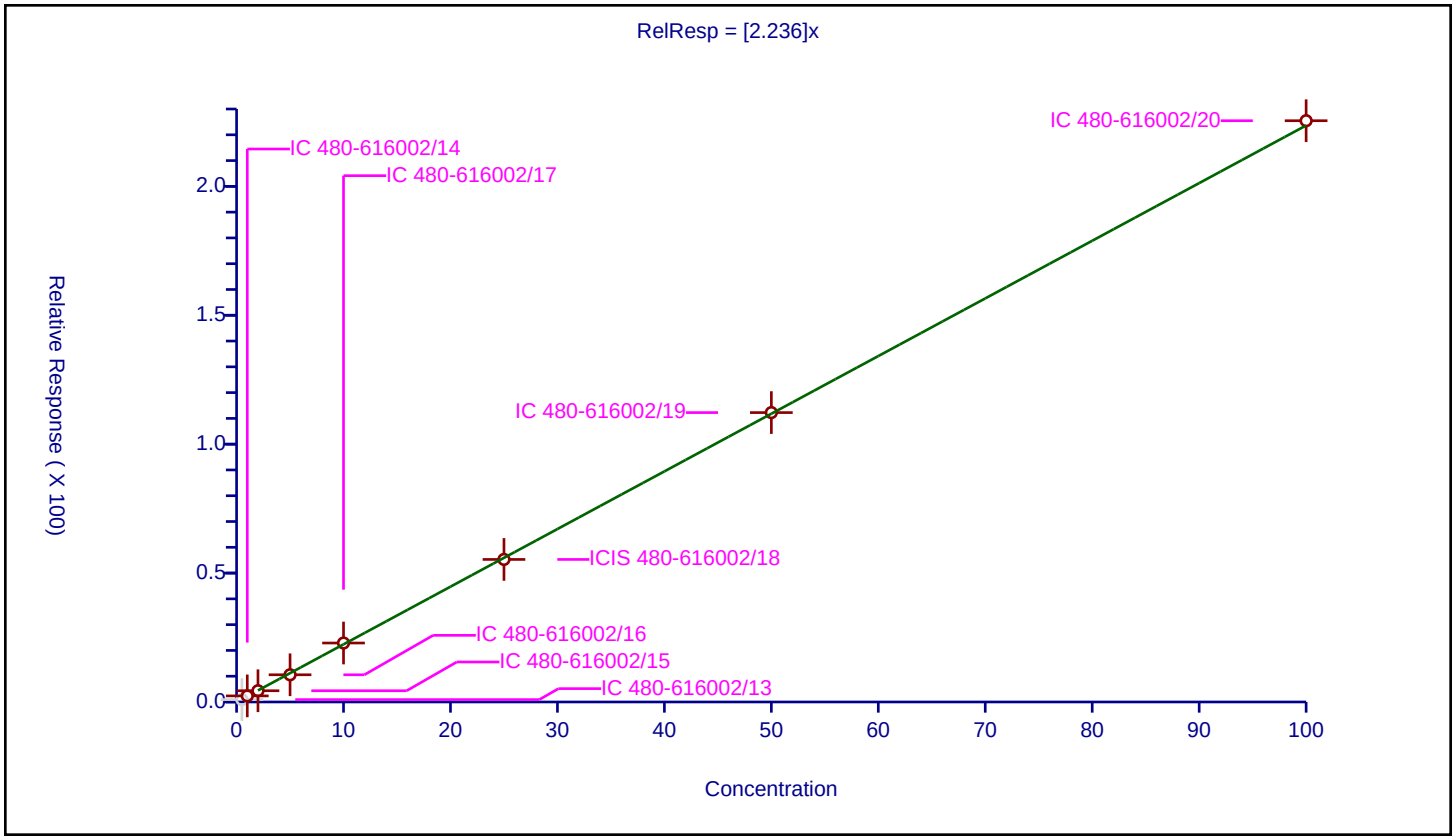
Curve Coefficients

Intercept:	0
Slope:	2.236

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	3.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.927726	25.0	330701.0	1.855453	N
2	IC 480-616002/14	1.0	2.360186	25.0	355491.0	2.360186	Y
3	IC 480-616002/15	2.0	4.364286	25.0	331171.0	2.182143	Y
4	IC 480-616002/16	5.0	10.560308	25.0	359374.0	2.112062	Y
5	IC 480-616002/17	10.0	22.877407	25.0	351822.0	2.287741	Y
6	ICIS 480-616002/18	25.0	55.294855	25.0	368792.0	2.211794	Y
7	IC 480-616002/19	50.0	112.251111	25.0	389832.0	2.245022	Y
8	IC 480-616002/20	100.0	225.45582	25.0	433834.0	2.254558	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

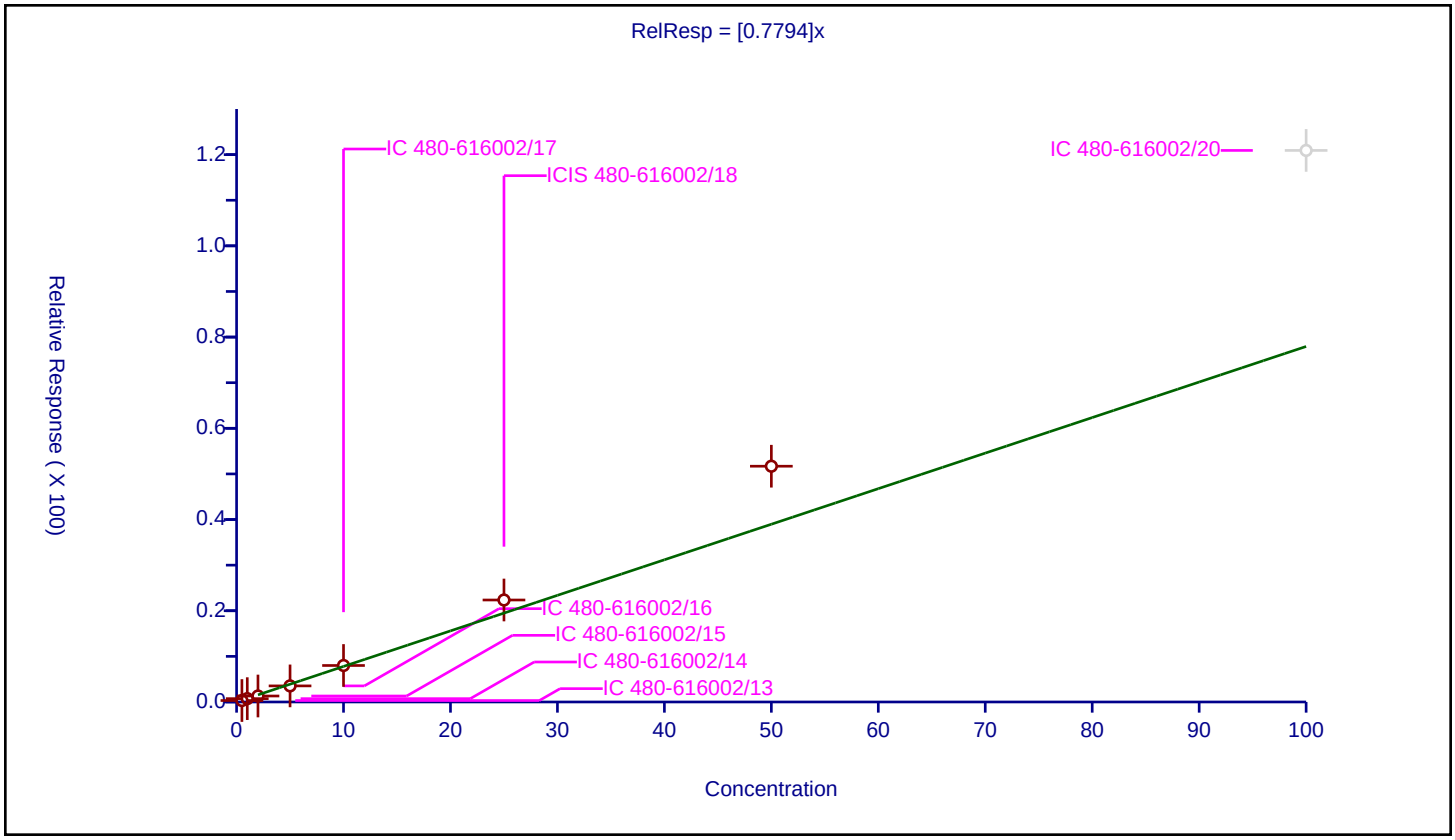
Curve Coefficients

Intercept:	0
Slope:	0.7794

Error Coefficients

Standard Error:	359000
Relative Standard Error:	18.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.316071	25.0	330701.0	0.632142	Y
2	IC 480-616002/14	1.0	0.734336	25.0	355491.0	0.734336	Y
3	IC 480-616002/15	2.0	1.31035	25.0	331171.0	0.655175	Y
4	IC 480-616002/16	5.0	3.530932	25.0	359374.0	0.706186	Y
5	IC 480-616002/17	10.0	7.997936	25.0	351822.0	0.799794	Y
6	ICIS 480-616002/18	25.0	22.36064	25.0	368792.0	0.894426	Y
7	IC 480-616002/19	50.0	51.690215	25.0	389832.0	1.033804	Y
8	IC 480-616002/20	100.0	120.918658	25.0	433834.0	1.209187	N



Calibration / Ethyl methacrylate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

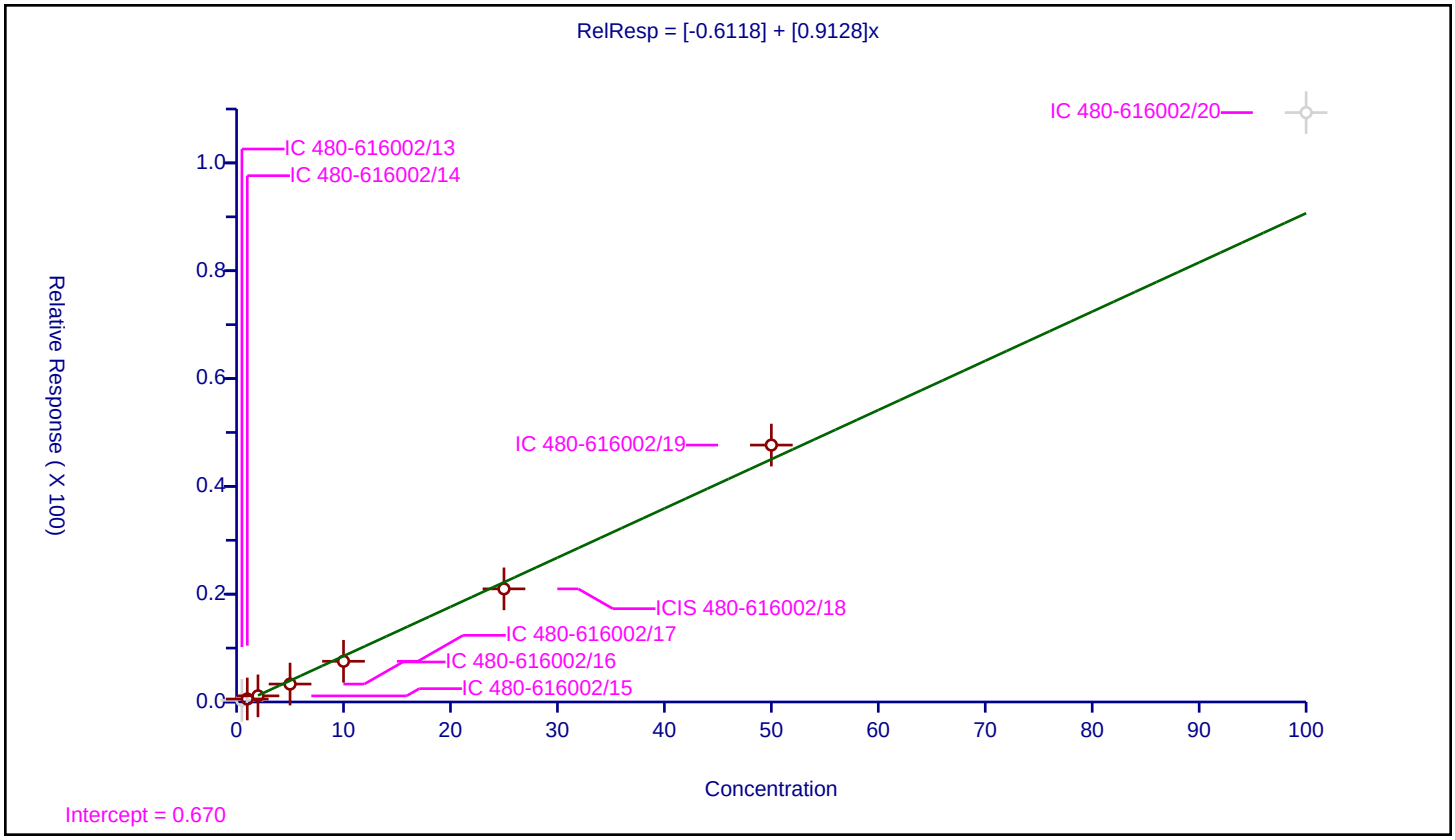
Curve Coefficients

Intercept:	-0.6118
Slope:	0.9128

Error Coefficients

Standard Error:	407000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.303446	25.0	330701.0	0.606893	N
2	IC 480-616002/14	1.0	0.558805	25.0	355491.0	0.558805	Y
3	IC 480-616002/15	2.0	1.132874	25.0	331171.0	0.566437	Y
4	IC 480-616002/16	5.0	3.327801	25.0	359374.0	0.66556	Y
5	IC 480-616002/17	10.0	7.553749	25.0	351822.0	0.755375	Y
6	ICIS 480-616002/18	25.0	20.98683	25.0	368792.0	0.839473	Y
7	IC 480-616002/19	50.0	47.660146	25.0	389832.0	0.953203	Y
8	IC 480-616002/20	100.0	109.338883	25.0	433834.0	1.093389	N



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

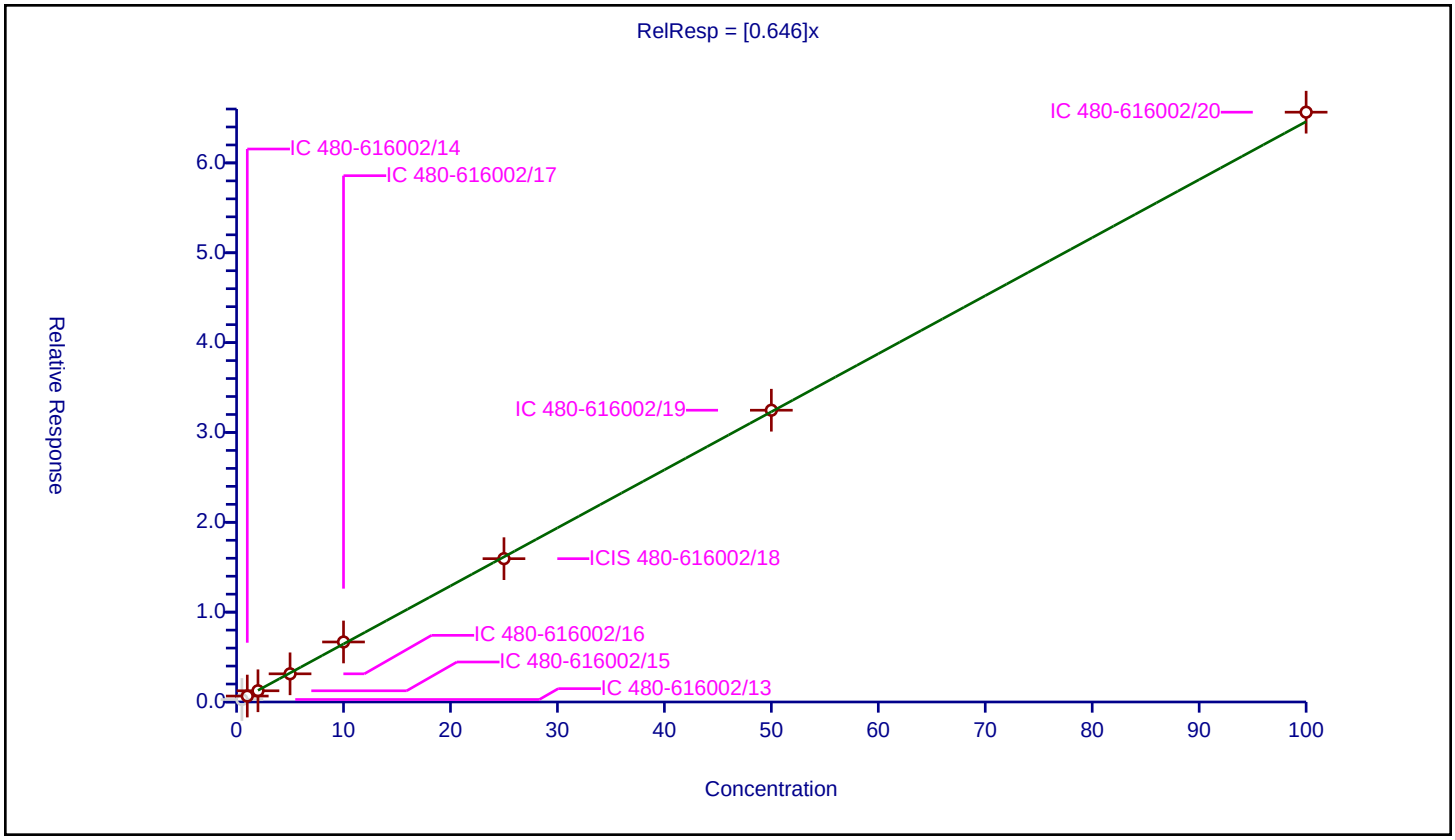
Curve Coefficients

Intercept:	0
Slope:	0.646

Error Coefficients

Standard Error:	520000
Relative Standard Error:	2.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.277214	25.0	330701.0	0.554428	N
2	IC 480-616002/14	1.0	0.65944	25.0	355491.0	0.65944	Y
3	IC 480-616002/15	2.0	1.246712	25.0	331171.0	0.623356	Y
4	IC 480-616002/16	5.0	3.136217	25.0	359374.0	0.627243	Y
5	IC 480-616002/17	10.0	6.679088	25.0	351822.0	0.667909	Y
6	ICIS 480-616002/18	25.0	15.952353	25.0	368792.0	0.638094	Y
7	IC 480-616002/19	50.0	32.474694	25.0	389832.0	0.649494	Y
8	IC 480-616002/20	100.0	65.64746	25.0	433834.0	0.656475	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

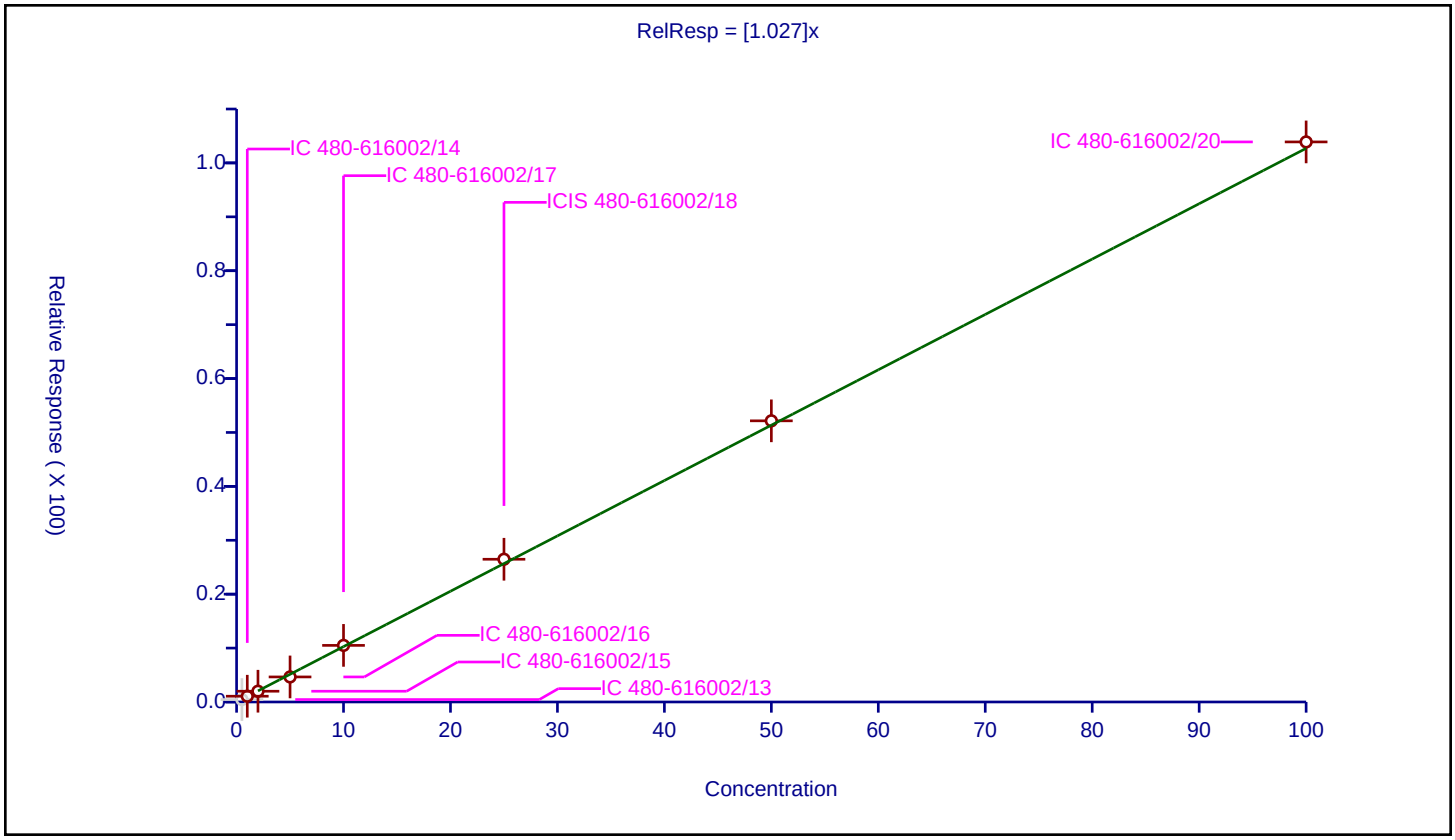
Curve Coefficients

Intercept:	0
Slope:	1.027

Error Coefficients

Standard Error:	826000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.453884	25.0	330701.0	0.907769	N
2	IC 480-616002/14	1.0	1.070632	25.0	355491.0	1.070632	Y
3	IC 480-616002/15	2.0	1.996325	25.0	331171.0	0.998163	Y
4	IC 480-616002/16	5.0	4.64523	25.0	359374.0	0.929046	Y
5	IC 480-616002/17	10.0	10.499912	25.0	351822.0	1.049991	Y
6	ICIS 480-616002/18	25.0	26.479831	25.0	368792.0	1.059193	Y
7	IC 480-616002/19	50.0	52.156506	25.0	389832.0	1.04313	Y
8	IC 480-616002/20	100.0	103.895153	25.0	433834.0	1.038952	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

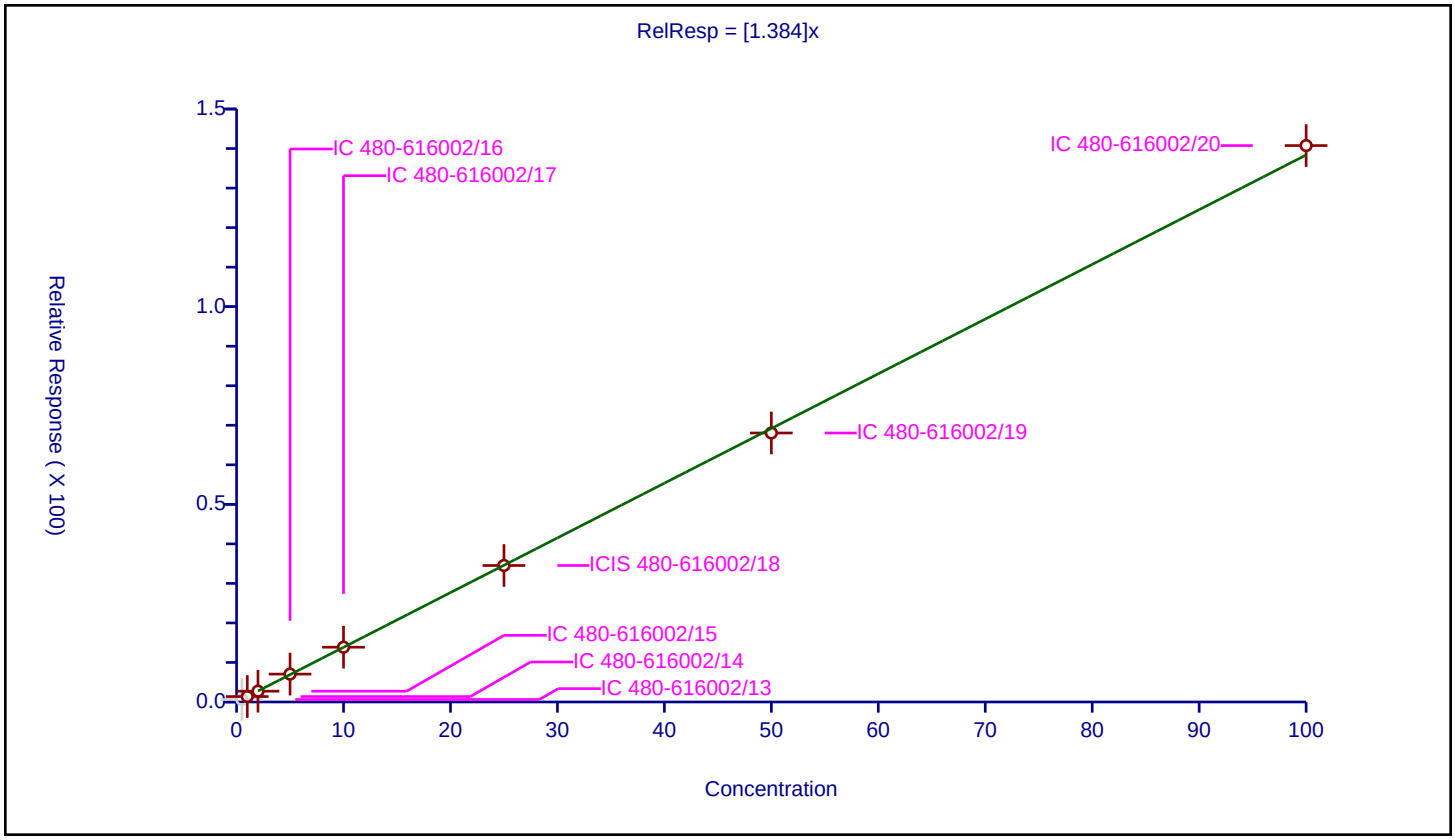
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	1.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.632218	25.0	330701.0	1.264435	N
2	IC 480-616002/14	1.0	1.374929	25.0	355491.0	1.374929	Y
3	IC 480-616002/15	2.0	2.729179	25.0	331171.0	1.36459	Y
4	IC 480-616002/16	5.0	7.055881	25.0	359374.0	1.411176	Y
5	IC 480-616002/17	10.0	13.855728	25.0	351822.0	1.385573	Y
6	ICIS 480-616002/18	25.0	34.526373	25.0	368792.0	1.381055	Y
7	IC 480-616002/19	50.0	68.048416	25.0	389832.0	1.360968	Y
8	IC 480-616002/20	100.0	140.752569	25.0	433834.0	1.407526	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

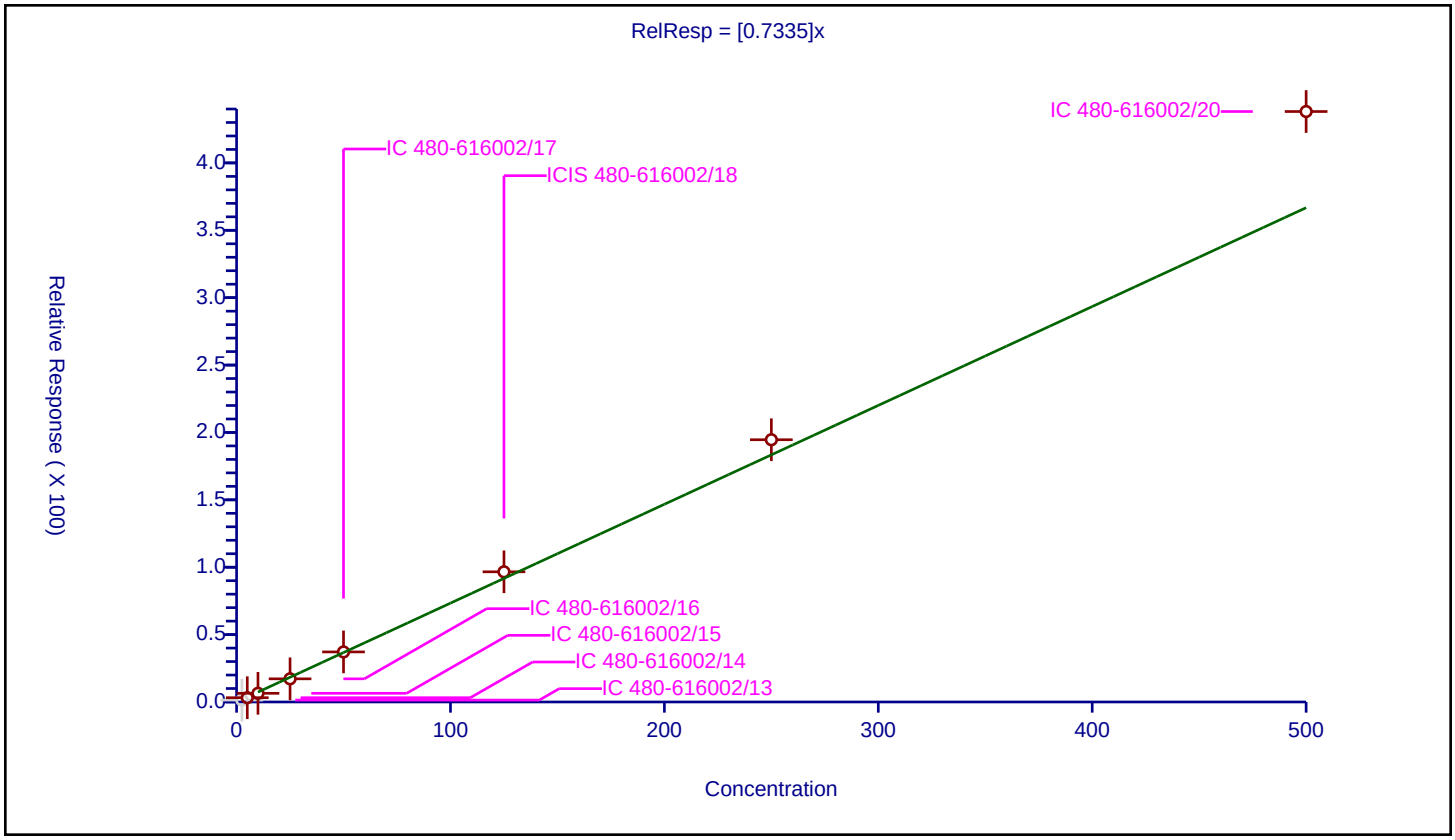
Curve Coefficients

Intercept:	0
Slope:	0.7335

Error Coefficients

Standard Error:	3400000
Relative Standard Error:	11.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	2.5	1.418578	25.0	330701.0	0.567431	N
2	IC 480-616002/14	5.0	3.168927	25.0	355491.0	0.633785	Y
3	IC 480-616002/15	10.0	6.433157	25.0	331171.0	0.643316	Y
4	IC 480-616002/16	25.0	17.182865	25.0	359374.0	0.687315	Y
5	IC 480-616002/17	50.0	37.141438	25.0	351822.0	0.742829	Y
6	ICIS 480-616002/18	125.0	96.588321	25.0	368792.0	0.772707	Y
7	IC 480-616002/19	250.0	194.596262	25.0	389832.0	0.778385	Y
8	IC 480-616002/20	500.0	438.145062	25.0	433834.0	0.87629	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

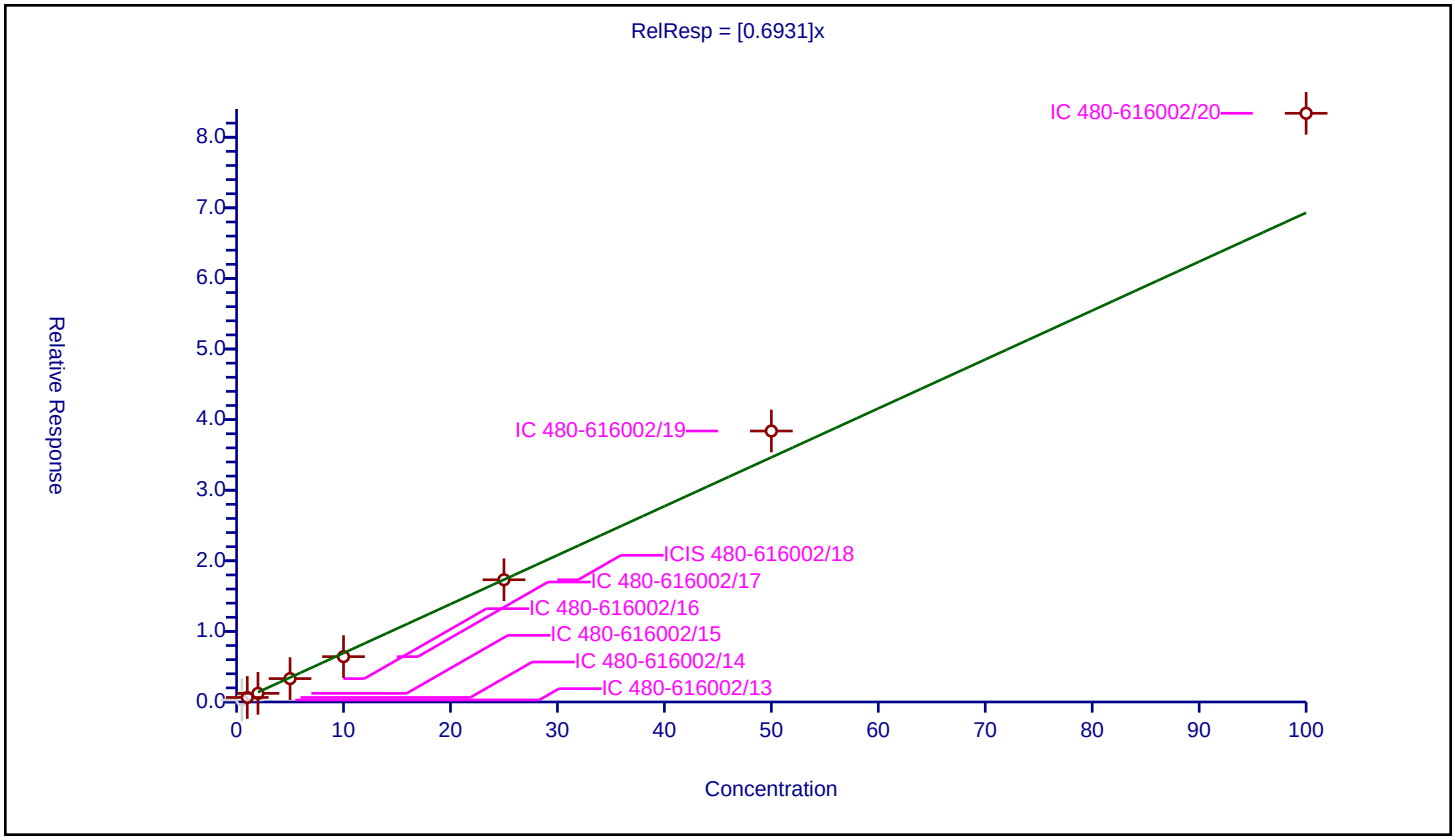
Curve Coefficients

Intercept:	0
Slope:	0.6931

Error Coefficients

Standard Error:	649000
Relative Standard Error:	11.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.289612	25.0	330701.0	0.579224	N
2	IC 480-616002/14	1.0	0.64214	25.0	355491.0	0.64214	Y
3	IC 480-616002/15	2.0	1.221952	25.0	331171.0	0.610976	Y
4	IC 480-616002/16	5.0	3.310201	25.0	359374.0	0.66204	Y
5	IC 480-616002/17	10.0	6.423063	25.0	351822.0	0.642306	Y
6	ICIS 480-616002/18	25.0	17.315519	25.0	368792.0	0.692621	Y
7	IC 480-616002/19	50.0	38.384355	25.0	389832.0	0.767687	Y
8	IC 480-616002/20	100.0	83.395665	25.0	433834.0	0.833957	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

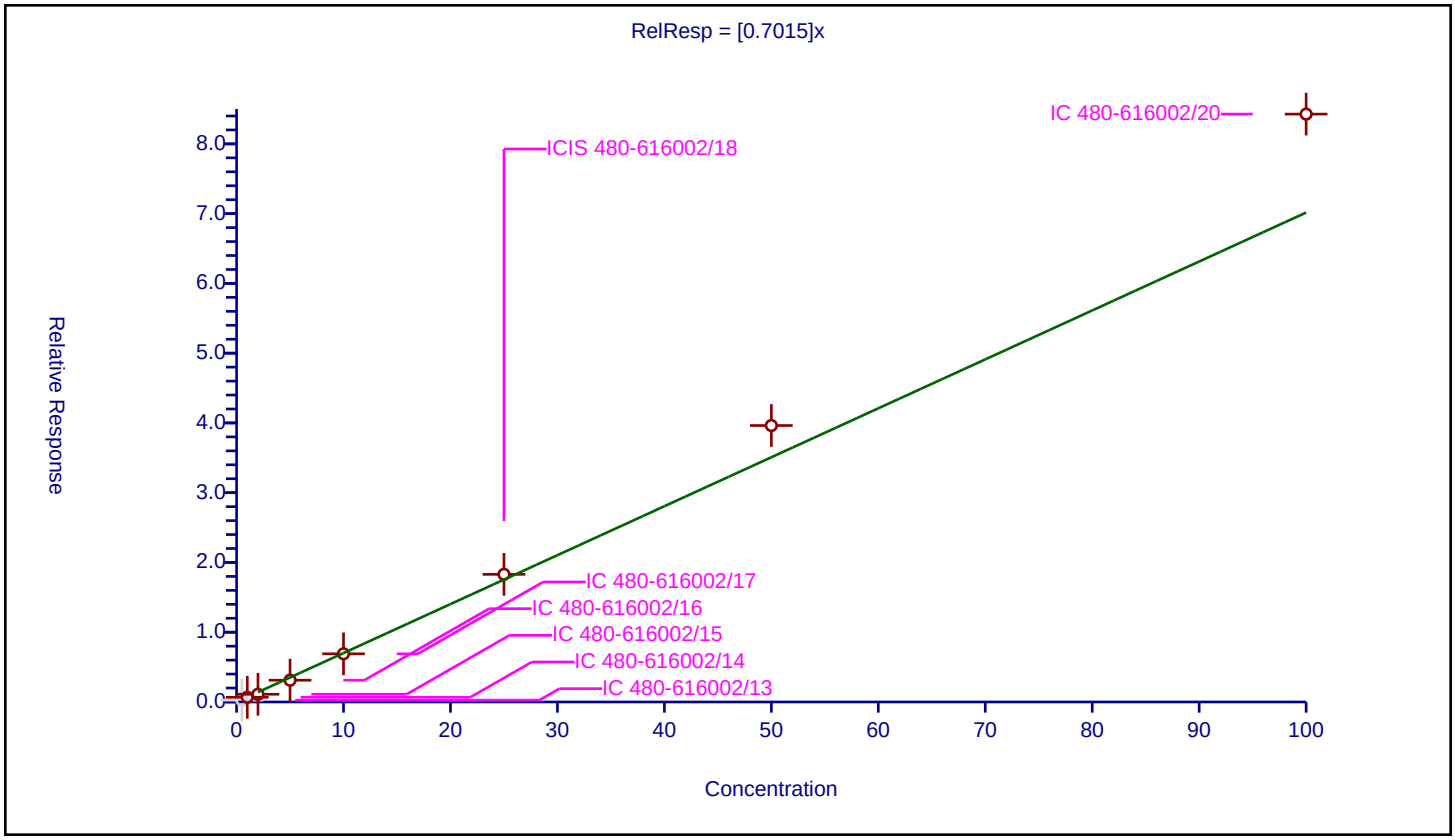
Curve Coefficients

Intercept:	0
Slope:	0.7015

Error Coefficients

Standard Error:	659000
Relative Standard Error:	14.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.261792	25.0	330701.0	0.523585	N
2	IC 480-616002/14	1.0	0.674912	25.0	355491.0	0.674912	Y
3	IC 480-616002/15	2.0	1.106905	25.0	331171.0	0.553453	Y
4	IC 480-616002/16	5.0	3.123	25.0	359374.0	0.6246	Y
5	IC 480-616002/17	10.0	6.905552	25.0	351822.0	0.690555	Y
6	ICIS 480-616002/18	25.0	18.297984	25.0	368792.0	0.731919	Y
7	IC 480-616002/19	50.0	39.629699	25.0	389832.0	0.792594	Y
8	IC 480-616002/20	100.0	84.26979	25.0	433834.0	0.842698	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

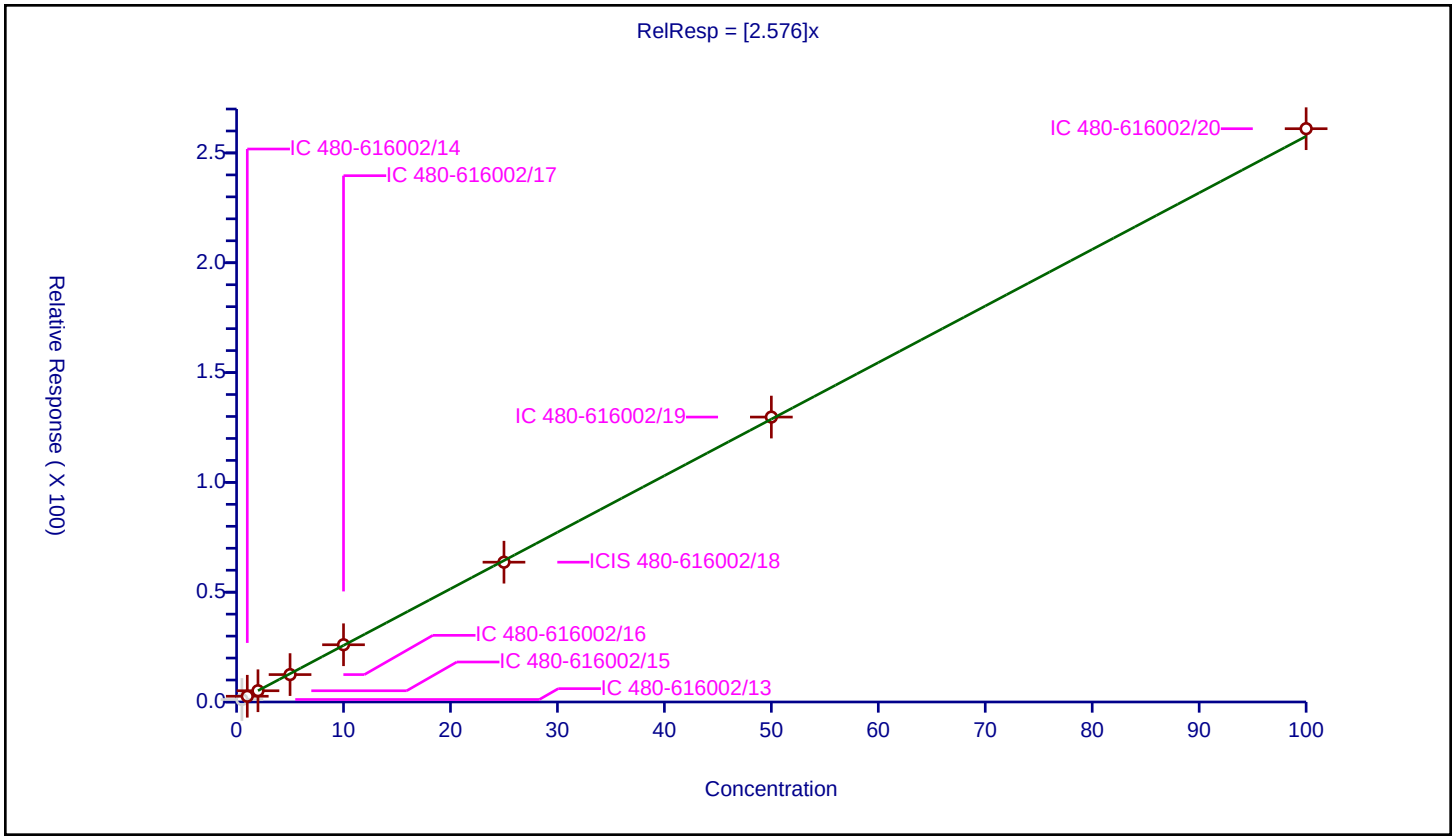
Curve Coefficients

Intercept:	0
Slope:	2.576

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	1.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.132821	25.0	330701.0	2.265642	N
2	IC 480-616002/14	1.0	2.619124	25.0	355491.0	2.619124	Y
3	IC 480-616002/15	2.0	5.117975	25.0	331171.0	2.558988	Y
4	IC 480-616002/16	5.0	12.474748	25.0	359374.0	2.49495	Y
5	IC 480-616002/17	10.0	26.067798	25.0	351822.0	2.60678	Y
6	ICIS 480-616002/18	25.0	63.65092	25.0	368792.0	2.546037	Y
7	IC 480-616002/19	50.0	129.734539	25.0	389832.0	2.594691	Y
8	IC 480-616002/20	100.0	261.043683	25.0	433834.0	2.610437	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

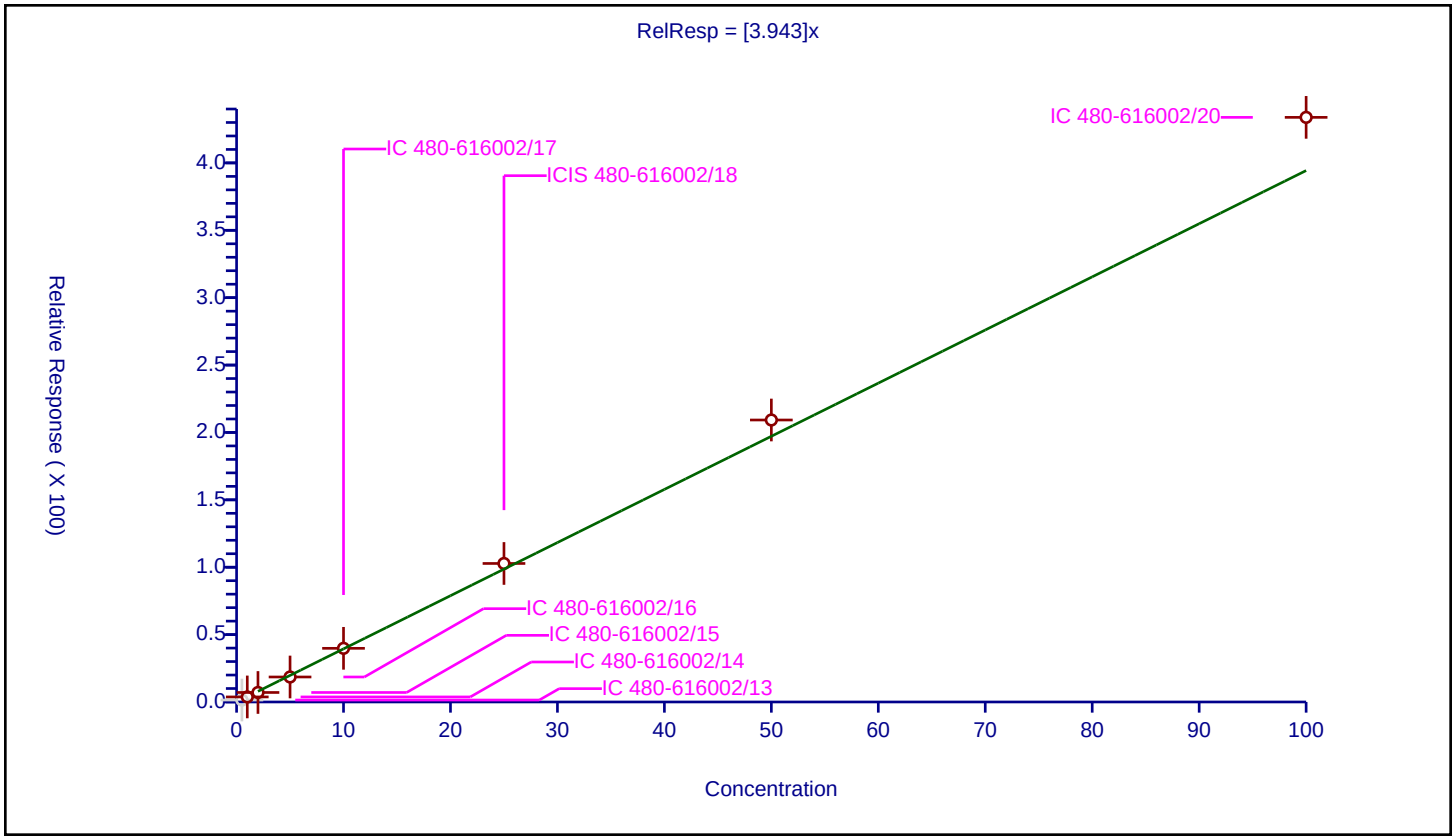
Curve Coefficients

Intercept:	0
Slope:	3.943

Error Coefficients

Standard Error:	3420000
Relative Standard Error:	7.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.44481	25.0	330701.0	2.889619	N
2	IC 480-616002/14	1.0	3.753189	25.0	355491.0	3.753189	Y
3	IC 480-616002/15	2.0	7.049379	25.0	331171.0	3.52469	Y
4	IC 480-616002/16	5.0	18.545721	25.0	359374.0	3.709144	Y
5	IC 480-616002/17	10.0	39.820563	25.0	351822.0	3.982056	Y
6	ICIS 480-616002/18	25.0	102.775074	25.0	368792.0	4.111003	Y
7	IC 480-616002/19	50.0	209.233208	25.0	389832.0	4.184664	Y
8	IC 480-616002/20	100.0	433.798527	25.0	433834.0	4.337985	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

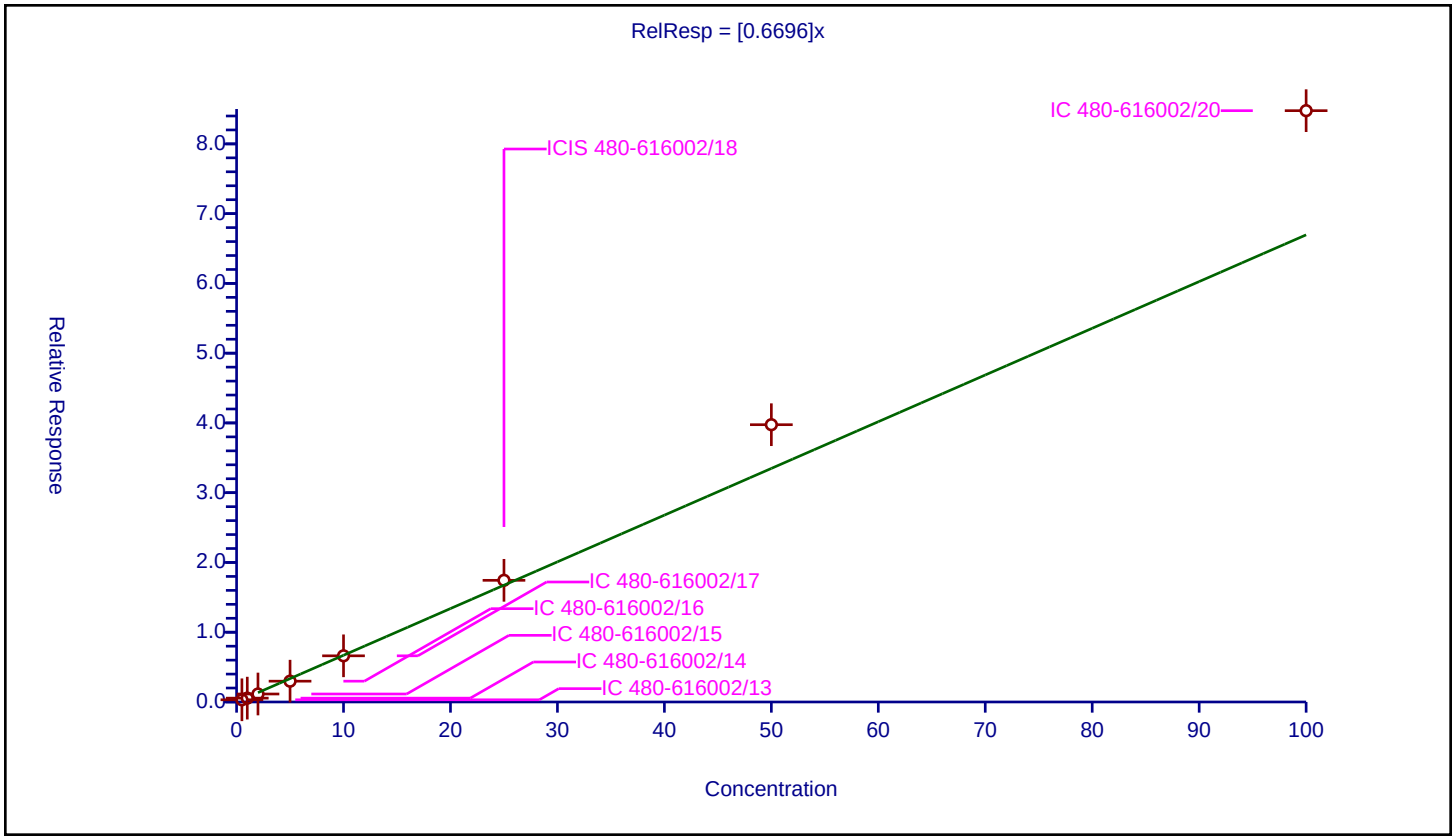
Curve Coefficients

Intercept:	0
Slope:	0.6696

Error Coefficients

Standard Error:	612000
Relative Standard Error:	15.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.31592	25.0	330701.0	0.63184	Y
2	IC 480-616002/14	1.0	0.553249	25.0	355491.0	0.553249	Y
3	IC 480-616002/15	2.0	1.146009	25.0	331171.0	0.573005	Y
4	IC 480-616002/16	5.0	2.984356	25.0	359374.0	0.596871	Y
5	IC 480-616002/17	10.0	6.616982	25.0	351822.0	0.661698	Y
6	ICIS 480-616002/18	25.0	17.439166	25.0	368792.0	0.697567	Y
7	IC 480-616002/19	50.0	39.750328	25.0	389832.0	0.795007	Y
8	IC 480-616002/20	100.0	84.76272	25.0	433834.0	0.847627	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

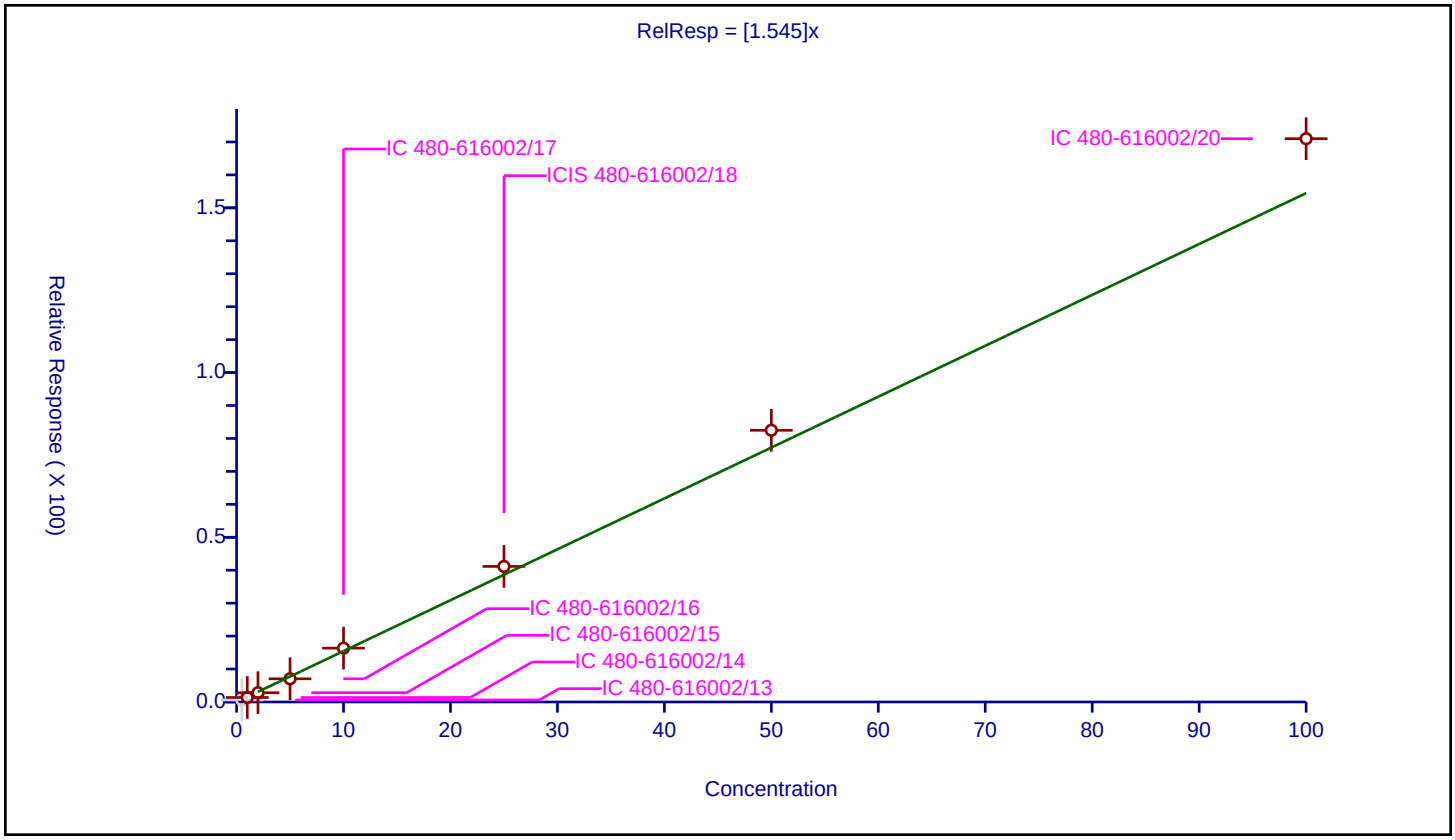
Curve Coefficients

Intercept:	0
Slope:	1.545

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	9.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.610446	25.0	330701.0	1.220891	N
2	IC 480-616002/14	1.0	1.360091	25.0	355491.0	1.360091	Y
3	IC 480-616002/15	2.0	2.809274	25.0	331171.0	1.404637	Y
4	IC 480-616002/16	5.0	7.037167	25.0	359374.0	1.407433	Y
5	IC 480-616002/17	10.0	16.348111	25.0	351822.0	1.634811	Y
6	ICIS 480-616002/18	25.0	41.146771	25.0	368792.0	1.645871	Y
7	IC 480-616002/19	50.0	82.474309	25.0	389832.0	1.649486	Y
8	IC 480-616002/20	100.0	170.994839	25.0	433834.0	1.709948	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

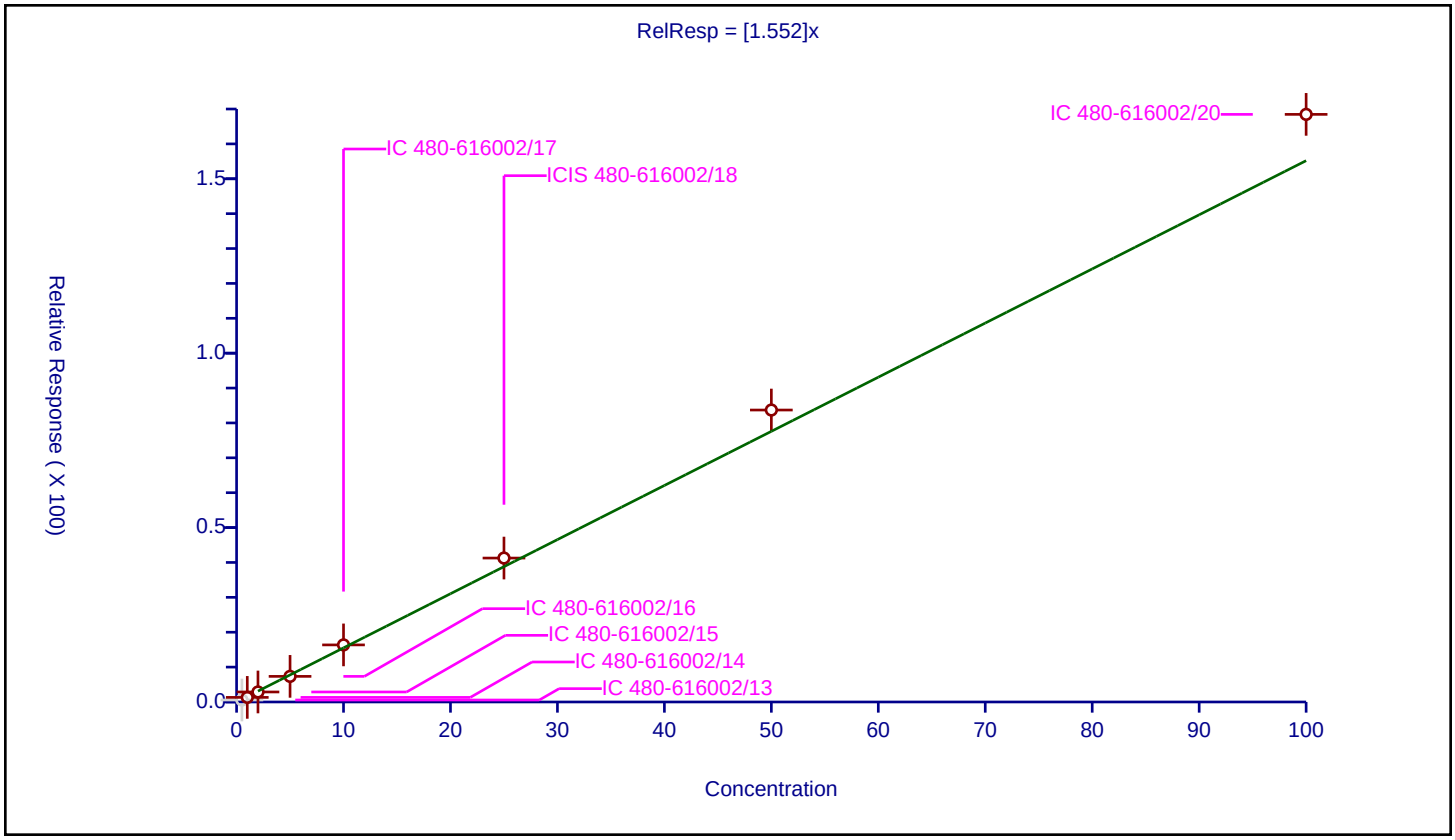
Curve Coefficients

Intercept:	0
Slope:	1.552

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	9.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.570833	25.0	330701.0	1.141666	N
2	IC 480-616002/14	1.0	1.315012	25.0	355491.0	1.315012	Y
3	IC 480-616002/15	2.0	2.869666	25.0	331171.0	1.434833	Y
4	IC 480-616002/16	5.0	7.340125	25.0	359374.0	1.468025	Y
5	IC 480-616002/17	10.0	16.363459	25.0	351822.0	1.636346	Y
6	ICIS 480-616002/18	25.0	41.266893	25.0	368792.0	1.650676	Y
7	IC 480-616002/19	50.0	83.705032	25.0	389832.0	1.674101	Y
8	IC 480-616002/20	100.0	168.462361	25.0	433834.0	1.684624	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

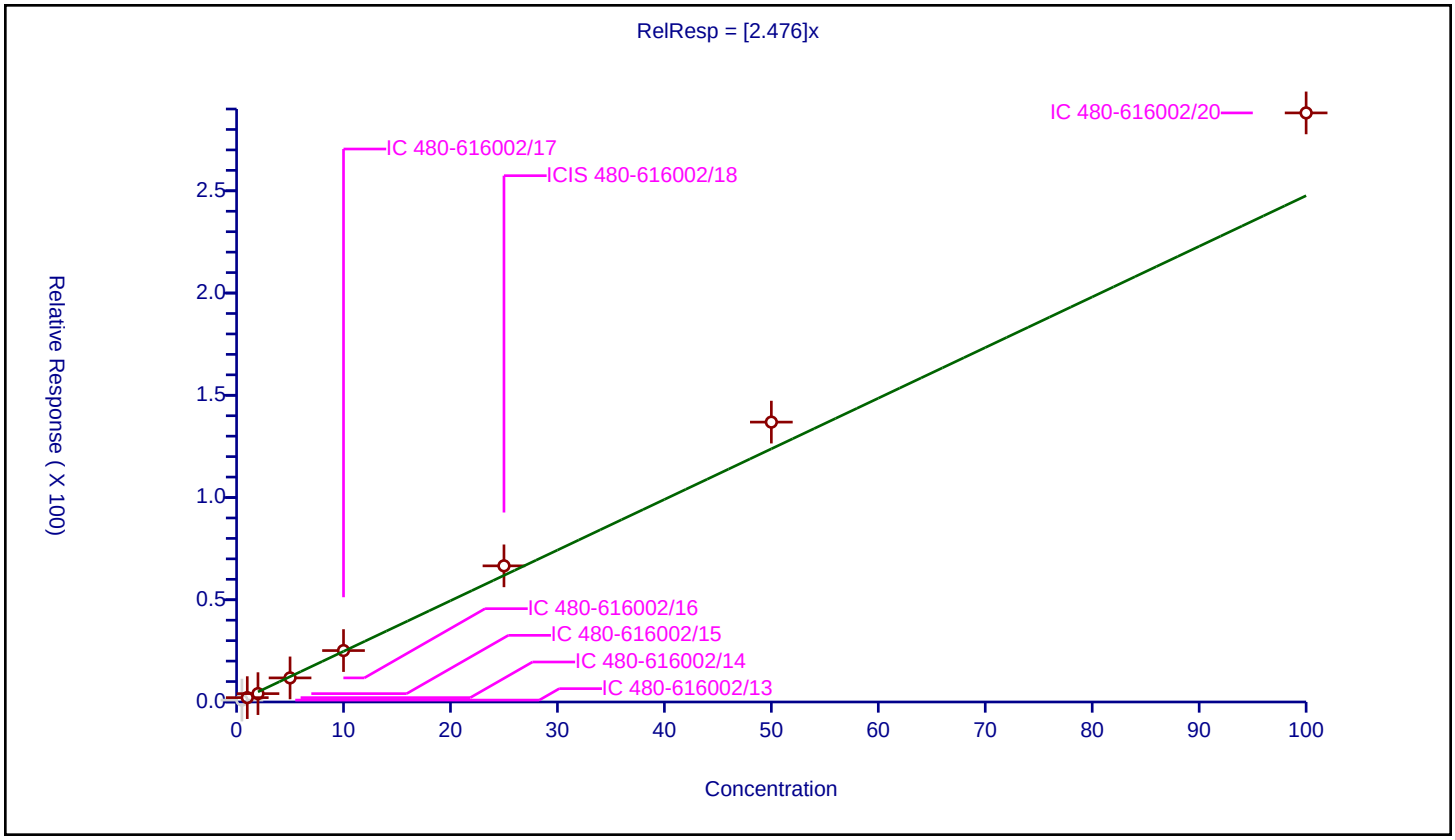
Curve Coefficients

Intercept:	0
Slope:	2.476

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	12.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.934757	25.0	330701.0	1.869514	N
2	IC 480-616002/14	1.0	2.136482	25.0	355491.0	2.136482	Y
3	IC 480-616002/15	2.0	4.085125	25.0	331171.0	2.042563	Y
4	IC 480-616002/16	5.0	11.78452	25.0	359374.0	2.356904	Y
5	IC 480-616002/17	10.0	25.151284	25.0	351822.0	2.515128	Y
6	ICIS 480-616002/18	25.0	66.580349	25.0	368792.0	2.663214	Y
7	IC 480-616002/19	50.0	136.871845	25.0	389832.0	2.737437	Y
8	IC 480-616002/20	100.0	288.09487	25.0	433834.0	2.880949	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

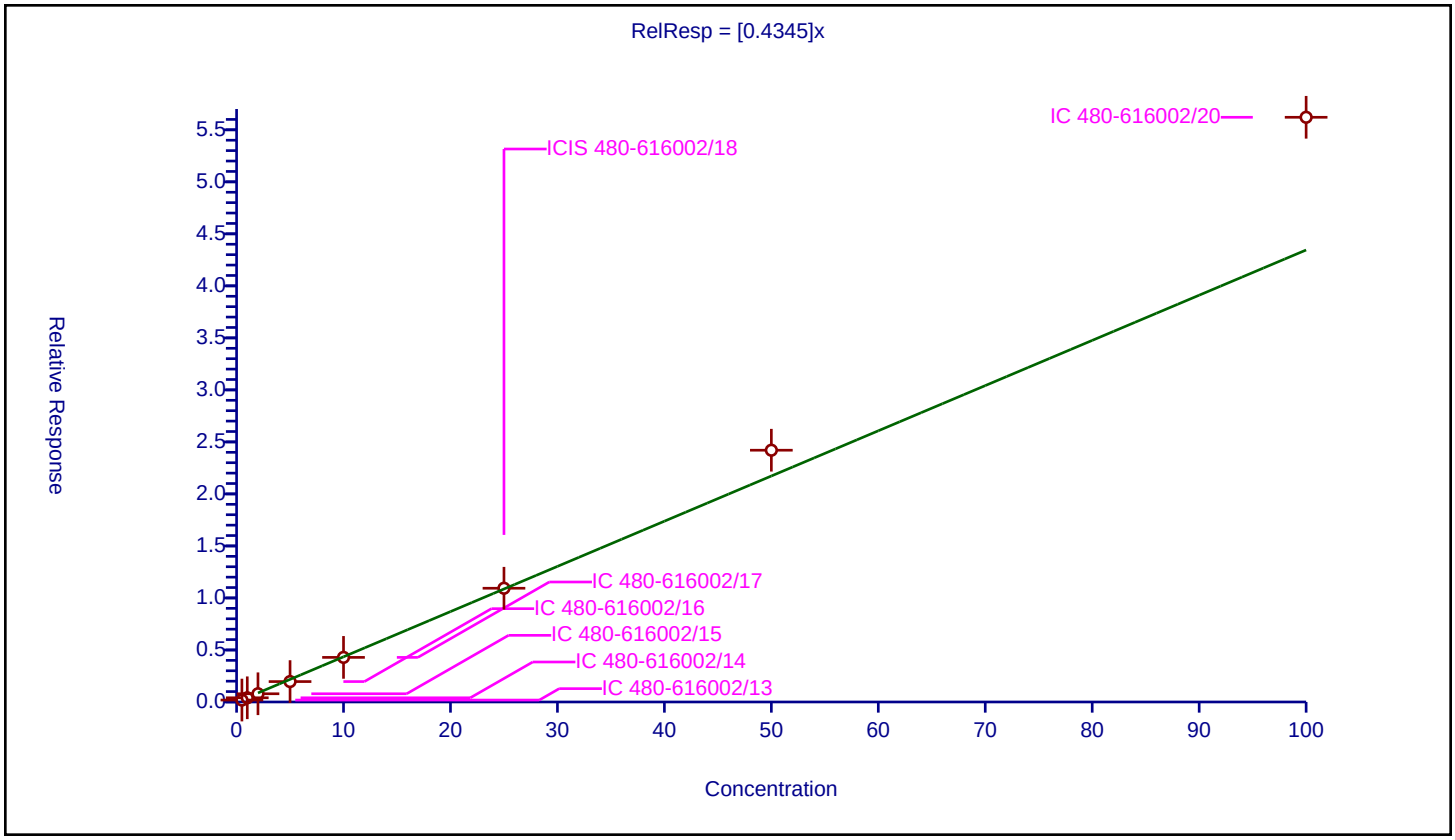
Curve Coefficients

Intercept:	0
Slope:	0.4345

Error Coefficients

Standard Error:	401000
Relative Standard Error:	14.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.186347	25.0	330701.0	0.372693	Y
2	IC 480-616002/14	1.0	0.403245	25.0	355491.0	0.403245	Y
3	IC 480-616002/15	2.0	0.790075	25.0	331171.0	0.395038	Y
4	IC 480-616002/16	5.0	1.962858	25.0	359374.0	0.392572	Y
5	IC 480-616002/17	10.0	4.287964	25.0	351822.0	0.428796	Y
6	ICIS 480-616002/18	25.0	10.934212	25.0	368792.0	0.437368	Y
7	IC 480-616002/19	50.0	24.201579	25.0	389832.0	0.484032	Y
8	IC 480-616002/20	100.0	56.205369	25.0	433834.0	0.562054	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

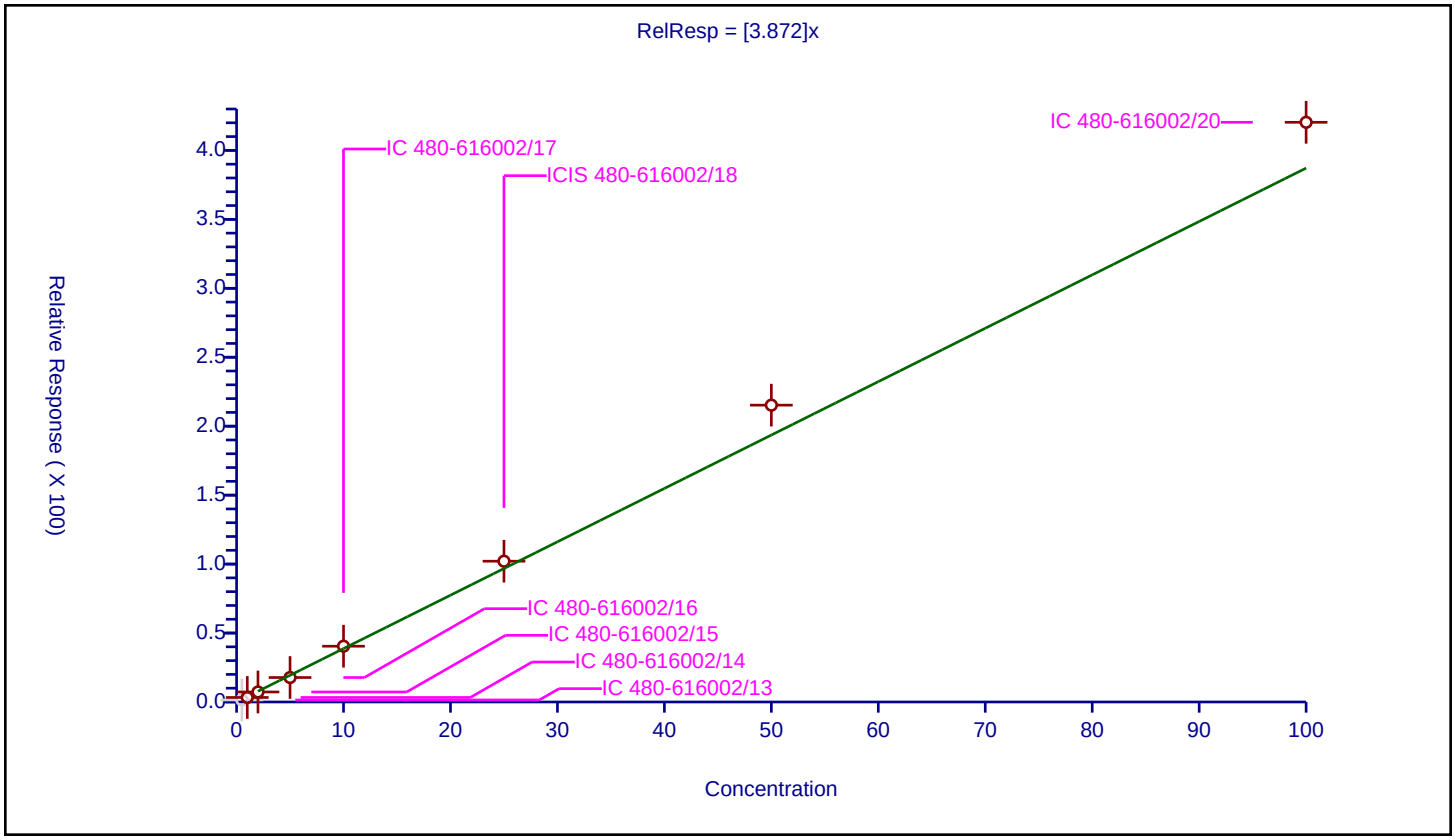
Curve Coefficients

Intercept:	0
Slope:	3.872

Error Coefficients

Standard Error:	3680000
Relative Standard Error:	9.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.45679	25.0	336253.0	2.91358	N
2	IC 480-616002/14	1.0	3.287107	25.0	373056.0	3.287107	Y
3	IC 480-616002/15	2.0	7.259346	25.0	352301.0	3.629673	Y
4	IC 480-616002/16	5.0	17.736415	25.0	382621.0	3.547283	Y
5	IC 480-616002/17	10.0	40.43752	25.0	374074.0	4.043752	Y
6	ICIS 480-616002/18	25.0	102.100009	25.0	401403.0	4.084	Y
7	IC 480-616002/19	50.0	215.24886	25.0	416700.0	4.304977	Y
8	IC 480-616002/20	100.0	420.377111	25.0	480468.0	4.203771	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

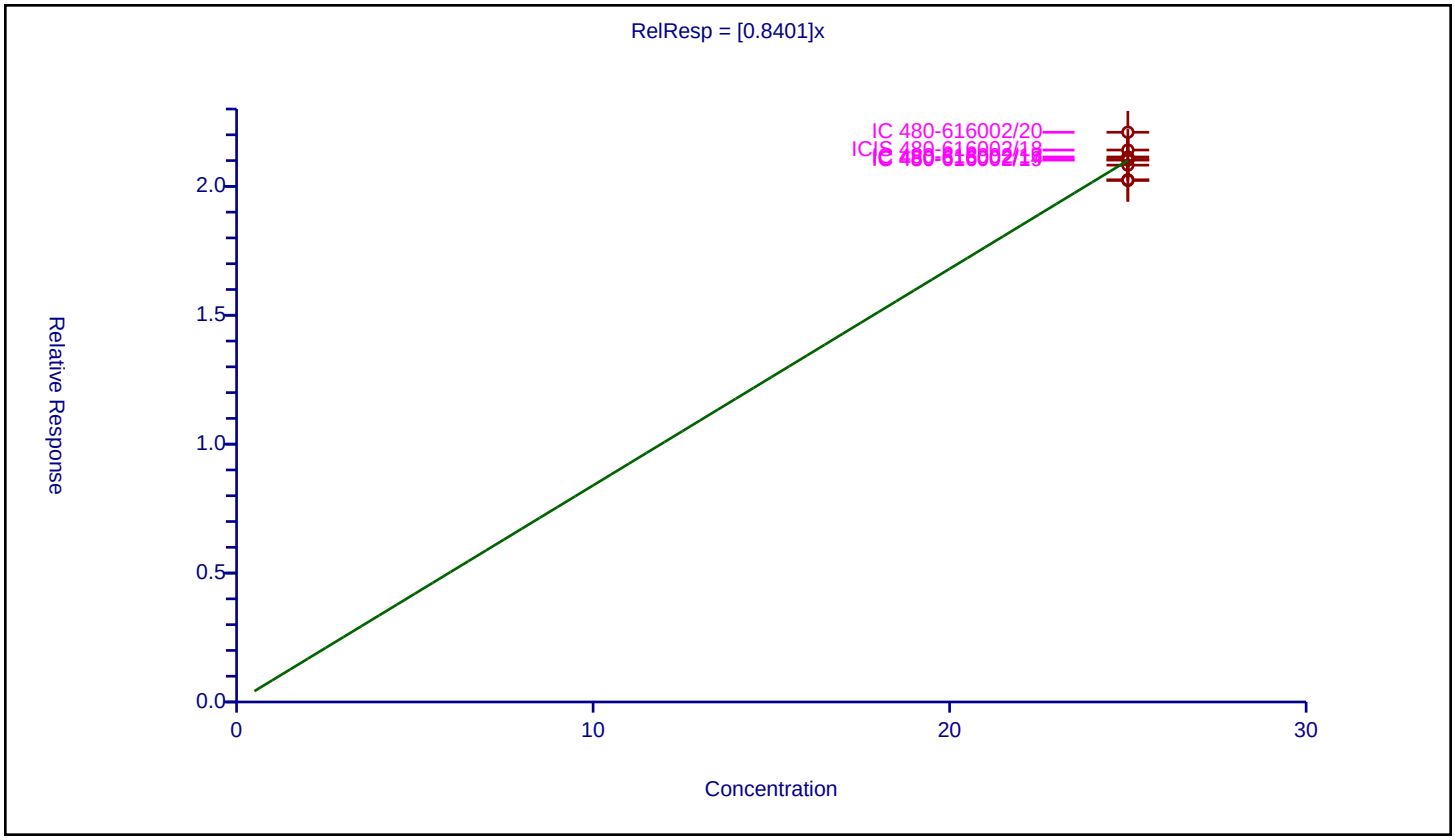
Curve Coefficients

Intercept:	0
Slope:	0.8401

Error Coefficients

Standard Error:	330000
Relative Standard Error:	2.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	25.0	20.228242	25.0	330701.0	0.80913	Y
2	IC 480-616002/14	25.0	21.042375	25.0	355491.0	0.841695	Y
3	IC 480-616002/15	25.0	20.822249	25.0	331171.0	0.83289	Y
4	IC 480-616002/16	25.0	20.256404	25.0	359374.0	0.810256	Y
5	IC 480-616002/17	25.0	21.139028	25.0	351822.0	0.845561	Y
6	ICIS 480-616002/18	25.0	21.40868	25.0	368792.0	0.856347	Y
7	IC 480-616002/19	25.0	21.018541	25.0	389832.0	0.840742	Y
8	IC 480-616002/20	25.0	22.098084	25.0	433834.0	0.883923	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

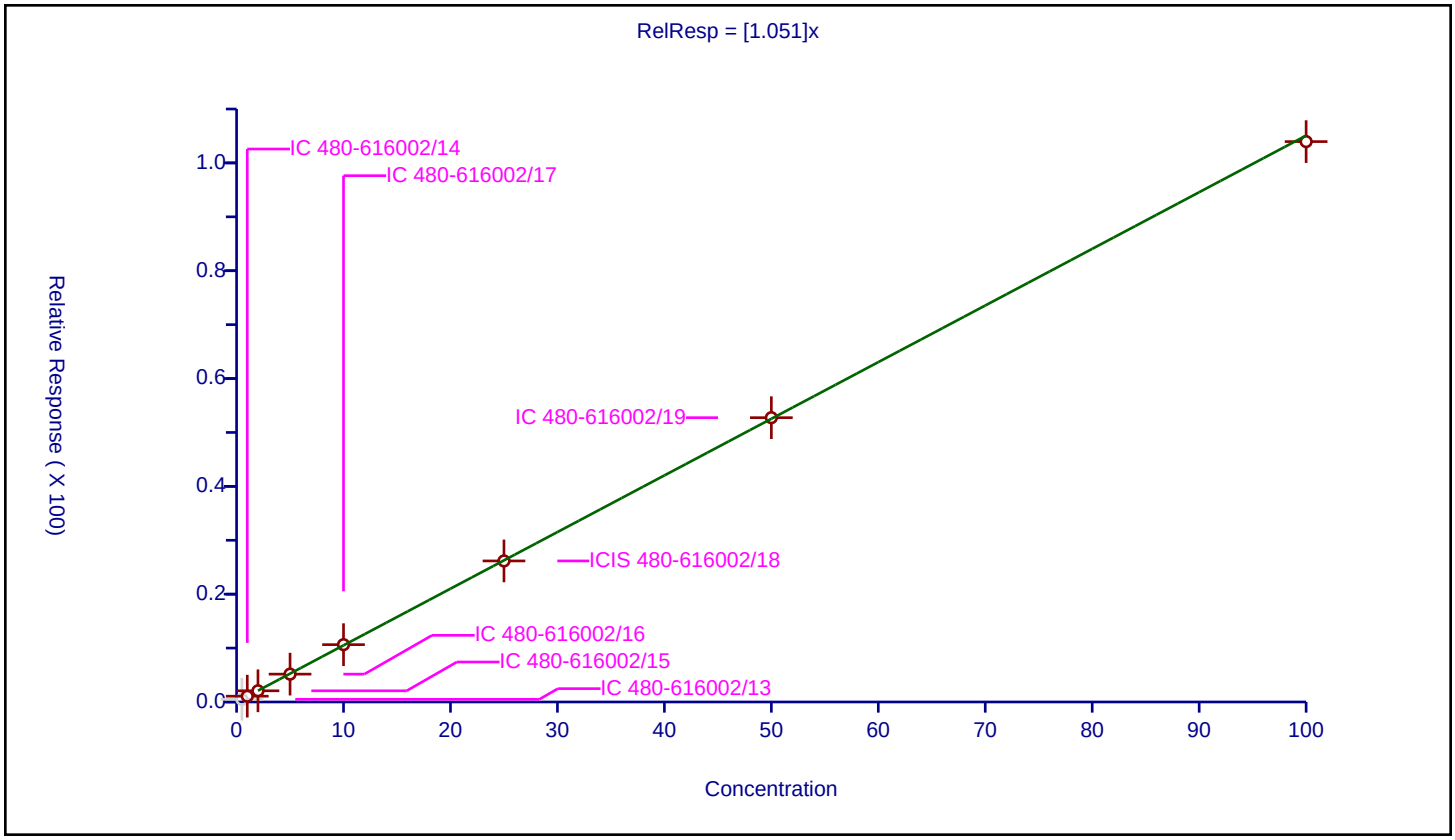
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	910000
Relative Standard Error:	1.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.495906	25.0	336253.0	0.991813	N
2	IC 480-616002/14	1.0	1.078256	25.0	373056.0	1.078256	Y
3	IC 480-616002/15	2.0	2.07642	25.0	352301.0	1.03821	Y
4	IC 480-616002/16	5.0	5.168561	25.0	382621.0	1.033712	Y
5	IC 480-616002/17	10.0	10.639539	25.0	374074.0	1.063954	Y
6	ICIS 480-616002/18	25.0	26.165101	25.0	401403.0	1.046604	Y
7	IC 480-616002/19	50.0	52.739741	25.0	416700.0	1.054795	Y
8	IC 480-616002/20	100.0	103.953957	25.0	480468.0	1.03954	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

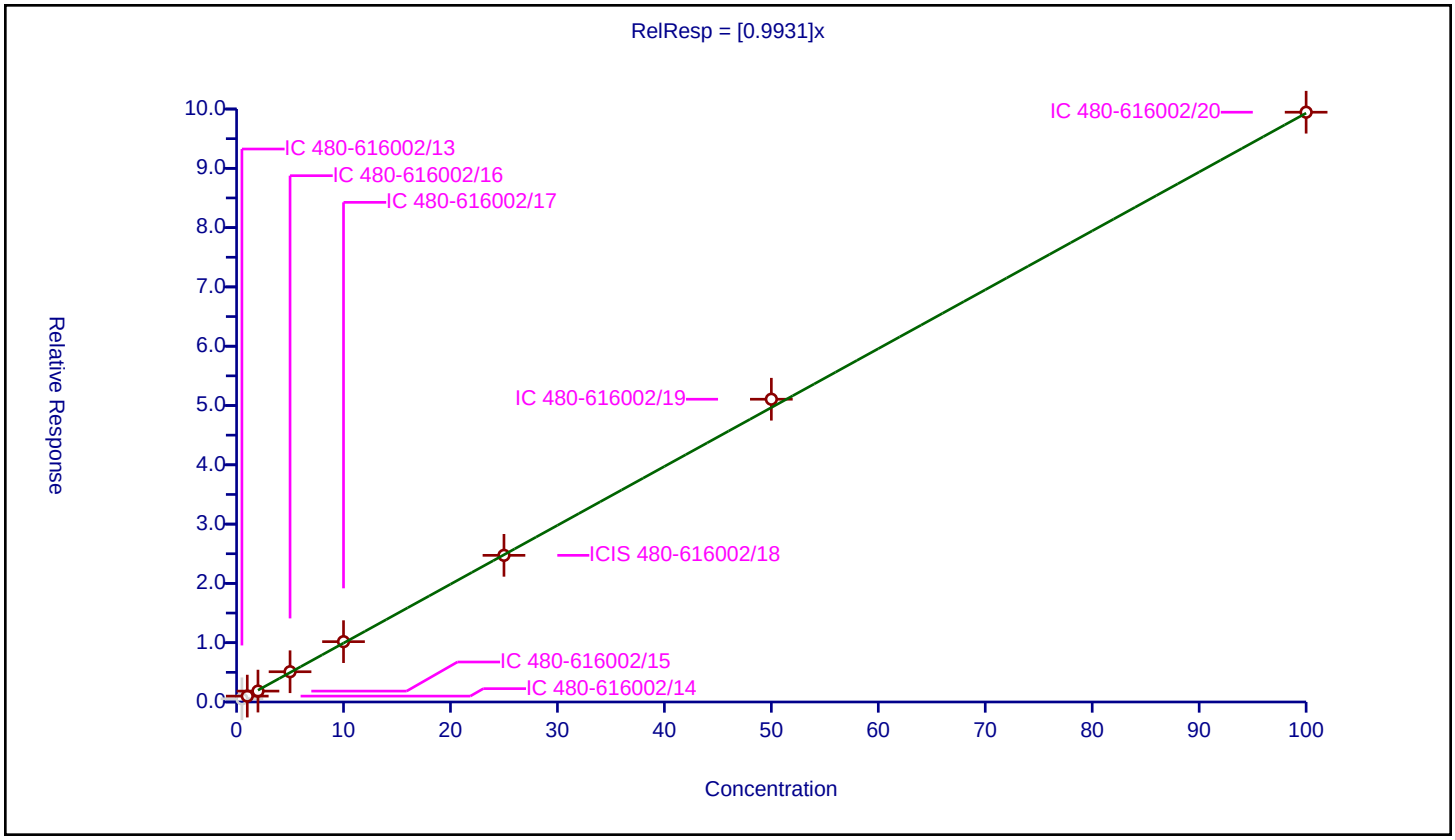
Curve Coefficients

Intercept:	0
Slope:	0.9931

Error Coefficients

Standard Error:	872000
Relative Standard Error:	3.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.54111	25.0	336253.0	1.082221	N
2	IC 480-616002/14	1.0	0.99154	25.0	373056.0	0.99154	Y
3	IC 480-616002/15	2.0	1.83522	25.0	352301.0	0.91761	Y
4	IC 480-616002/16	5.0	5.100543	25.0	382621.0	1.020109	Y
5	IC 480-616002/17	10.0	10.173856	25.0	374074.0	1.017386	Y
6	ICIS 480-616002/18	25.0	24.730259	25.0	401403.0	0.98921	Y
7	IC 480-616002/19	50.0	51.056515	25.0	416700.0	1.02113	Y
8	IC 480-616002/20	100.0	99.462347	25.0	480468.0	0.994623	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

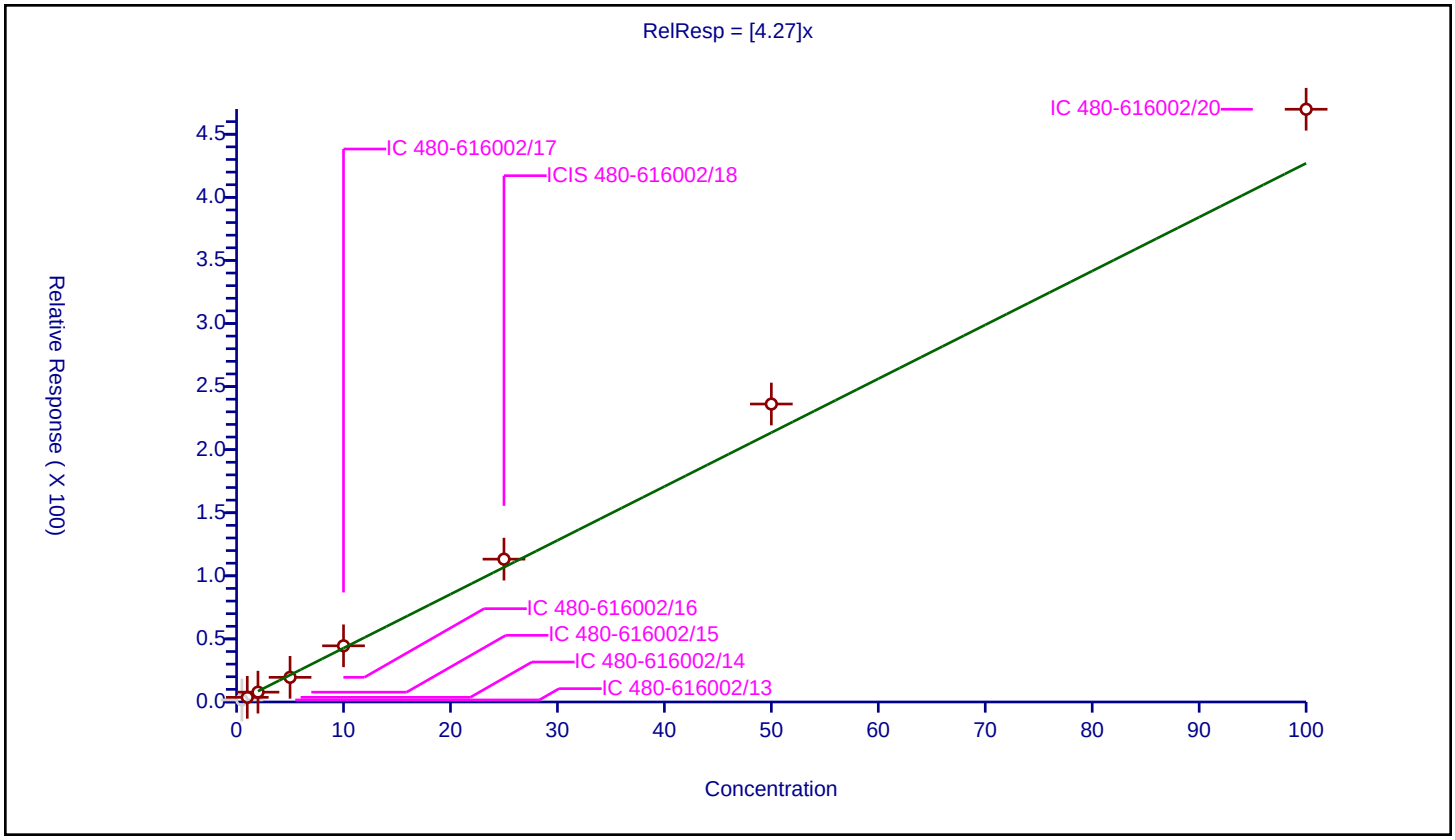
Curve Coefficients

Intercept:	0
Slope:	4.27

Error Coefficients

Standard Error:	4100000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.624744	25.0	336253.0	3.249488	N
2	IC 480-616002/14	1.0	3.686645	25.0	373056.0	3.686645	Y
3	IC 480-616002/15	2.0	7.787801	25.0	352301.0	3.8939	Y
4	IC 480-616002/16	5.0	19.530488	25.0	382621.0	3.906098	Y
5	IC 480-616002/17	10.0	44.527687	25.0	374074.0	4.452769	Y
6	ICIS 480-616002/18	25.0	113.210414	25.0	401403.0	4.528417	Y
7	IC 480-616002/19	50.0	236.161387	25.0	416700.0	4.723228	Y
8	IC 480-616002/20	100.0	469.818073	25.0	480468.0	4.698181	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

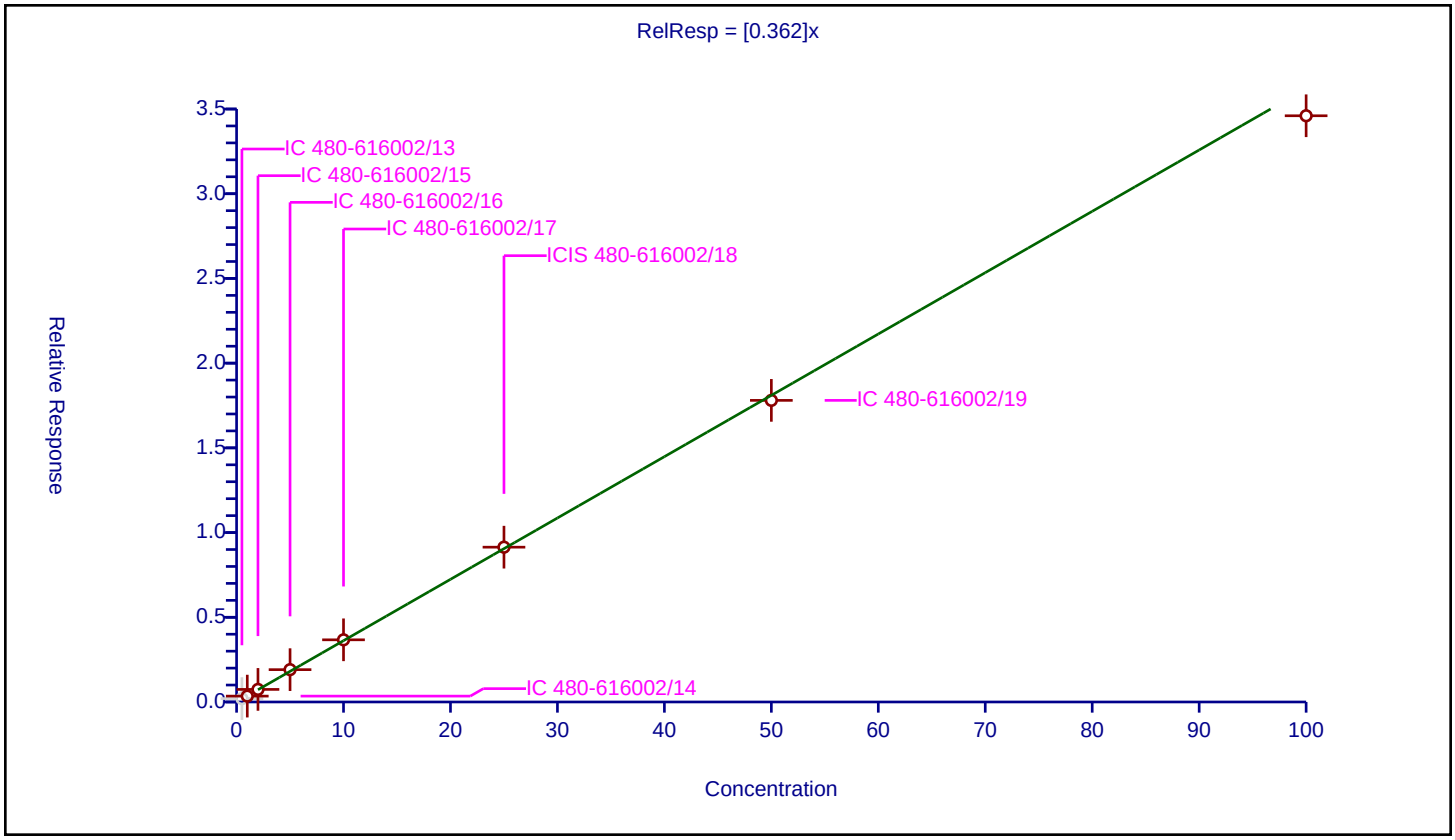
Curve Coefficients

Intercept:	0
Slope:	0.362

Error Coefficients

Standard Error:	304000
Relative Standard Error:	3.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.201113	25.0	336253.0	0.402227	N
2	IC 480-616002/14	1.0	0.346798	25.0	373056.0	0.346798	Y
3	IC 480-616002/15	2.0	0.742192	25.0	352301.0	0.371096	Y
4	IC 480-616002/16	5.0	1.908547	25.0	382621.0	0.381709	Y
5	IC 480-616002/17	10.0	3.669127	25.0	374074.0	0.366913	Y
6	ICIS 480-616002/18	25.0	9.13745	25.0	401403.0	0.365498	Y
7	IC 480-616002/19	50.0	17.802856	25.0	416700.0	0.356057	Y
8	IC 480-616002/20	100.0	34.601264	25.0	480468.0	0.346013	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

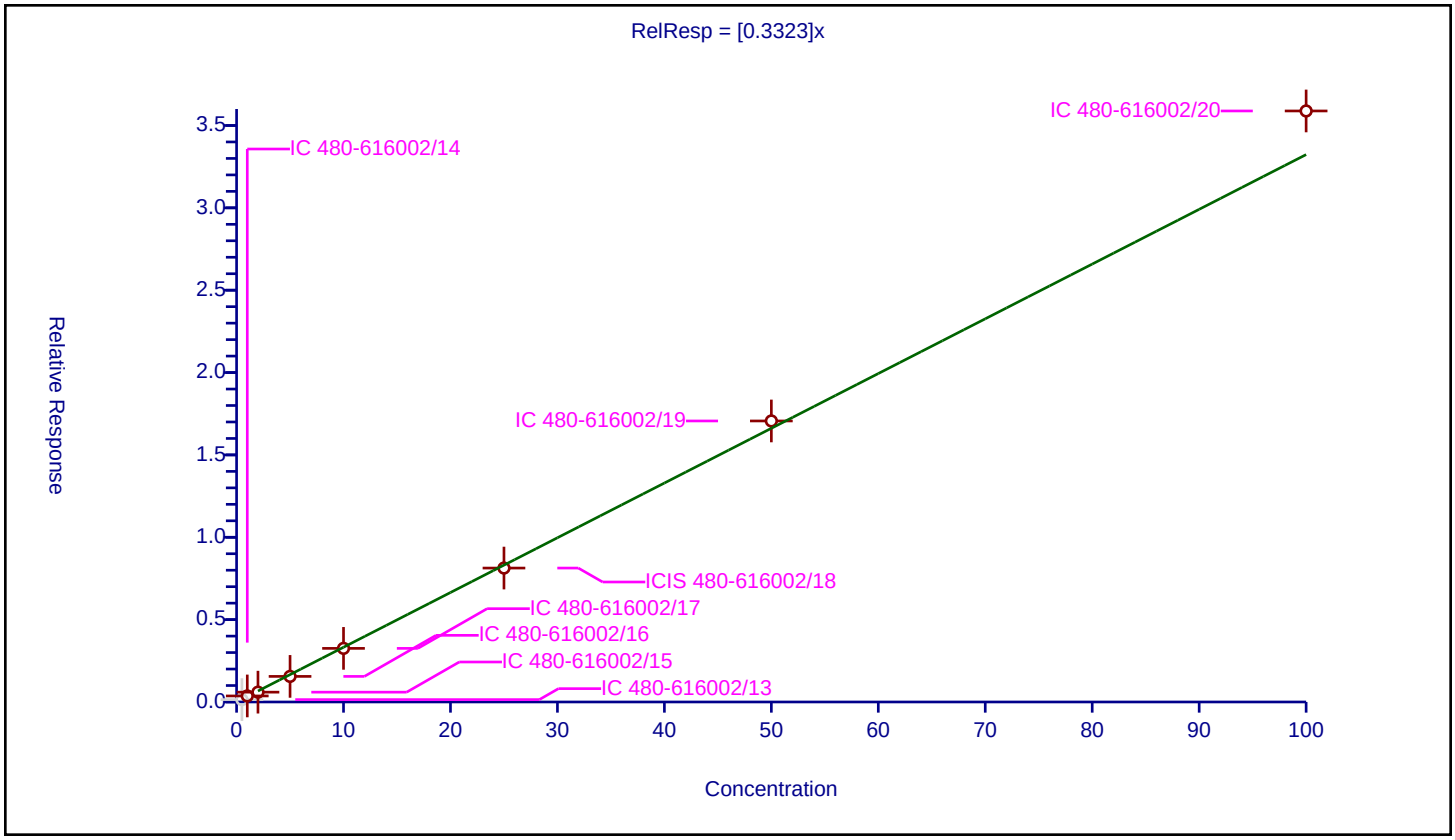
Curve Coefficients

Intercept:	0
Slope:	0.3323

Error Coefficients

Standard Error:	310000
Relative Standard Error:	7.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.144237	25.0	336253.0	0.288473	N
2	IC 480-616002/14	1.0	0.366768	25.0	373056.0	0.366768	Y
3	IC 480-616002/15	2.0	0.596294	25.0	352301.0	0.298147	Y
4	IC 480-616002/16	5.0	1.552907	25.0	382621.0	0.310581	Y
5	IC 480-616002/17	10.0	3.254704	25.0	374074.0	0.32547	Y
6	ICIS 480-616002/18	25.0	8.131479	25.0	401403.0	0.325259	Y
7	IC 480-616002/19	50.0	17.062095	25.0	416700.0	0.341242	Y
8	IC 480-616002/20	100.0	35.88137	25.0	480468.0	0.358814	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

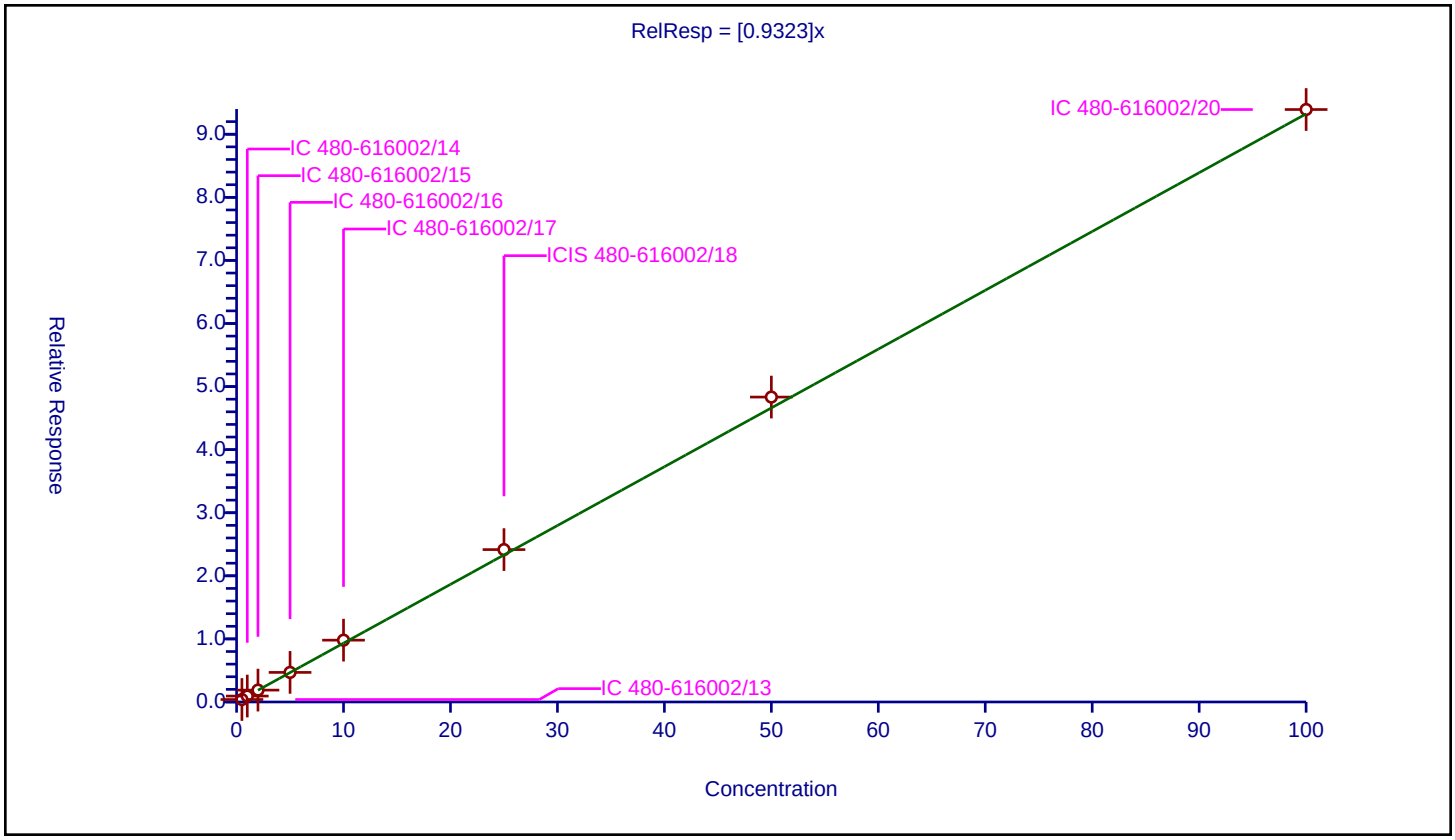
Curve Coefficients

Intercept:	0
Slope:	0.9323

Error Coefficients

Standard Error:	764000
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 480-616002/13	0.5	0.392413	25.0	336253.0	0.784826	Y
2	IC 480-616002/14	1.0	0.941749	25.0	373056.0	0.941749	Y
3	IC 480-616002/15	2.0	1.882552	25.0	352301.0	0.941276	Y
4	IC 480-616002/16	5.0	4.691326	25.0	382621.0	0.938265	Y
5	IC 480-616002/17	10.0	9.799799	25.0	374074.0	0.97998	Y
6	ICIS 480-616002/18	25.0	24.158639	25.0	401403.0	0.966346	Y
7	IC 480-616002/19	50.0	48.338133	25.0	416700.0	0.966763	Y
8	IC 480-616002/20	100.0	93.920823	25.0	480468.0	0.939208	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

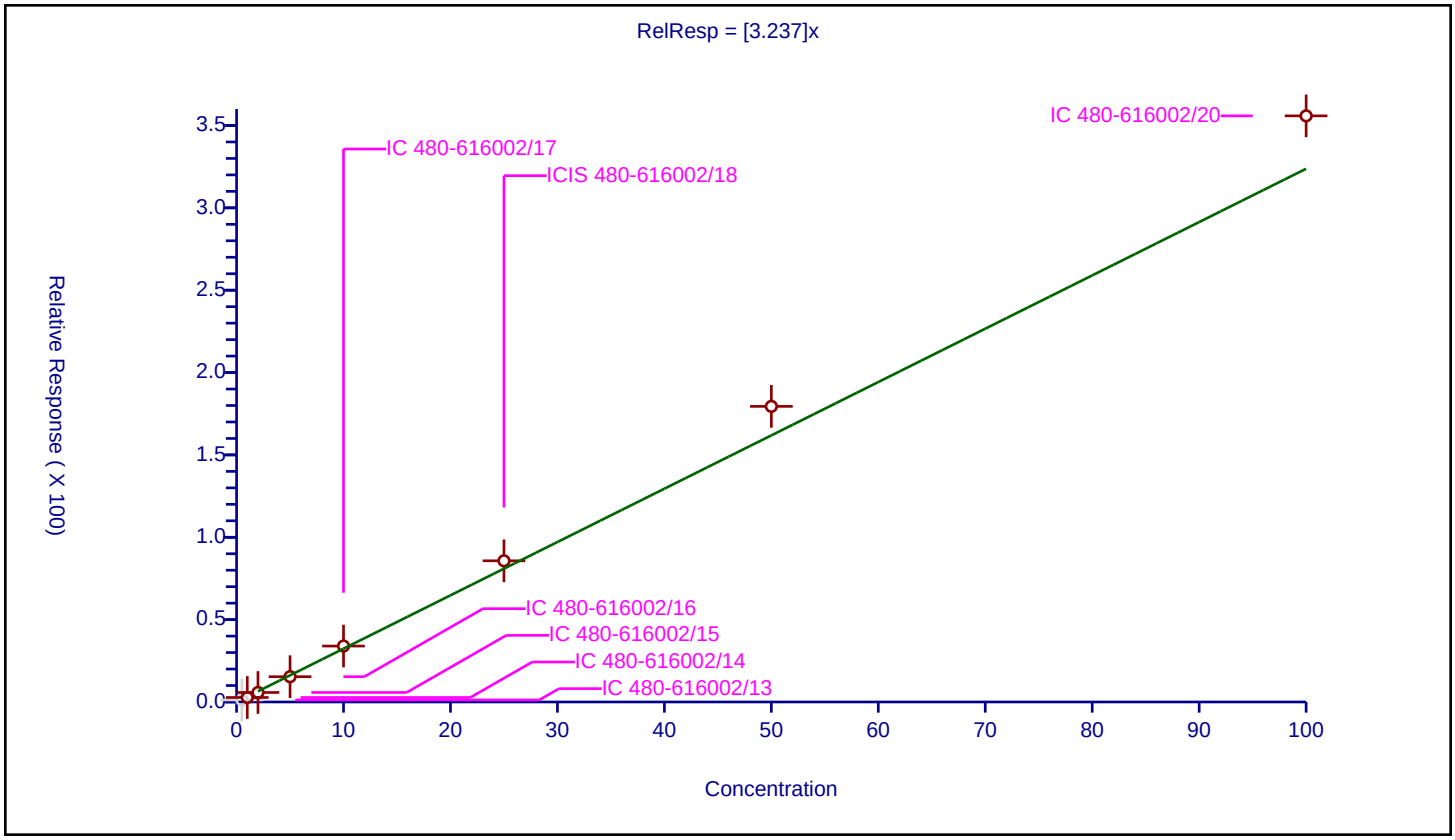
Curve Coefficients

Intercept:	0
Slope:	3.237

Error Coefficients

Standard Error:	3110000
Relative Standard Error:	10.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.243483	25.0	336253.0	2.486967	N
2	IC 480-616002/14	1.0	2.729215	25.0	373056.0	2.729215	Y
3	IC 480-616002/15	2.0	5.776311	25.0	352301.0	2.888155	Y
4	IC 480-616002/16	5.0	15.358802	25.0	382621.0	3.07176	Y
5	IC 480-616002/17	10.0	33.957185	25.0	374074.0	3.395718	Y
6	ICIS 480-616002/18	25.0	85.708627	25.0	401403.0	3.428345	Y
7	IC 480-616002/19	50.0	179.464663	25.0	416700.0	3.589293	Y
8	IC 480-616002/20	100.0	355.836237	25.0	480468.0	3.558362	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

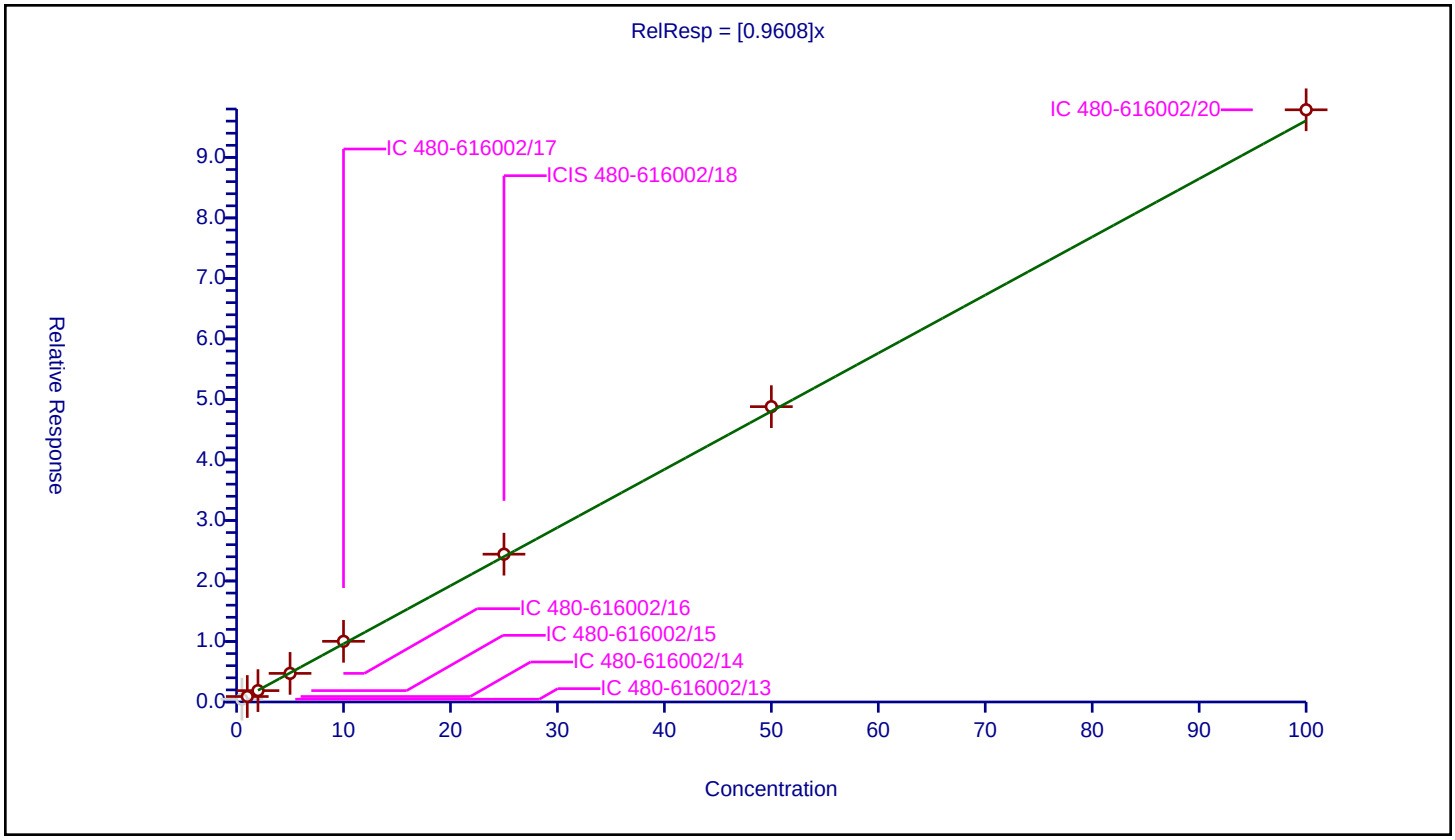
Curve Coefficients

Intercept:	0
Slope:	0.9608

Error Coefficients

Standard Error:	855000
Relative Standard Error:	3.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.458658	25.0	336253.0	0.917315	N
2	IC 480-616002/14	1.0	0.907102	25.0	373056.0	0.907102	Y
3	IC 480-616002/15	2.0	1.877514	25.0	352301.0	0.938757	Y
4	IC 480-616002/16	5.0	4.725237	25.0	382621.0	0.945047	Y
5	IC 480-616002/17	10.0	10.026826	25.0	374074.0	1.002683	Y
6	ICIS 480-616002/18	25.0	24.425826	25.0	401403.0	0.977033	Y
7	IC 480-616002/19	50.0	48.809455	25.0	416700.0	0.976189	Y
8	IC 480-616002/20	100.0	97.872543	25.0	480468.0	0.978725	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

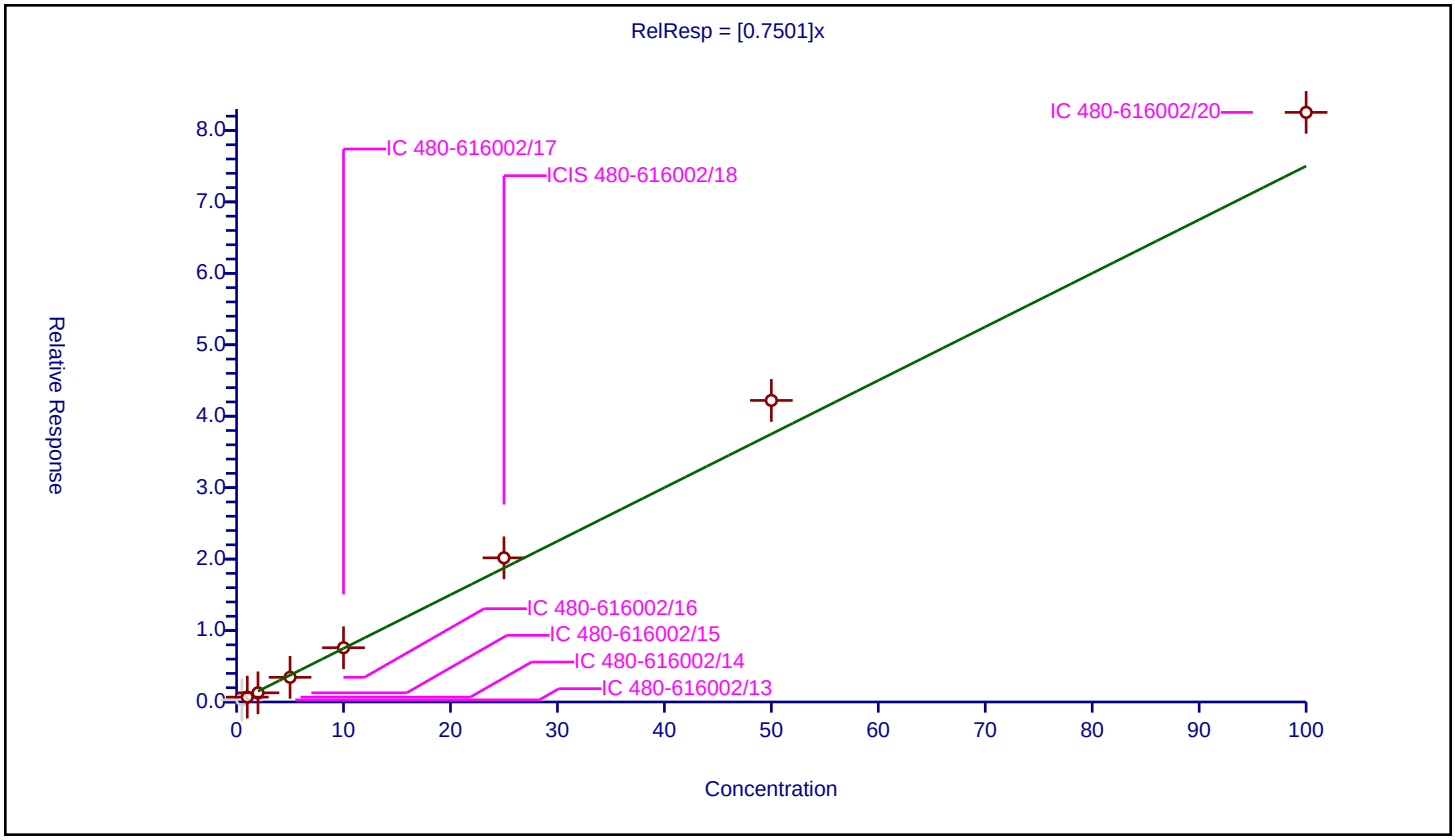
Curve Coefficients

Intercept:	0
Slope:	0.7501

Error Coefficients

Standard Error:	722000
Relative Standard Error:	10.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.296131	25.0	336253.0	0.592262	N
2	IC 480-616002/14	1.0	0.682806	25.0	373056.0	0.682806	Y
3	IC 480-616002/15	2.0	1.283845	25.0	352301.0	0.641923	Y
4	IC 480-616002/16	5.0	3.44904	25.0	382621.0	0.689808	Y
5	IC 480-616002/17	10.0	7.597494	25.0	374074.0	0.759749	Y
6	ICIS 480-616002/18	25.0	20.17673	25.0	401403.0	0.807069	Y
7	IC 480-616002/19	50.0	42.210403	25.0	416700.0	0.844208	Y
8	IC 480-616002/20	100.0	82.530678	25.0	480468.0	0.825307	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

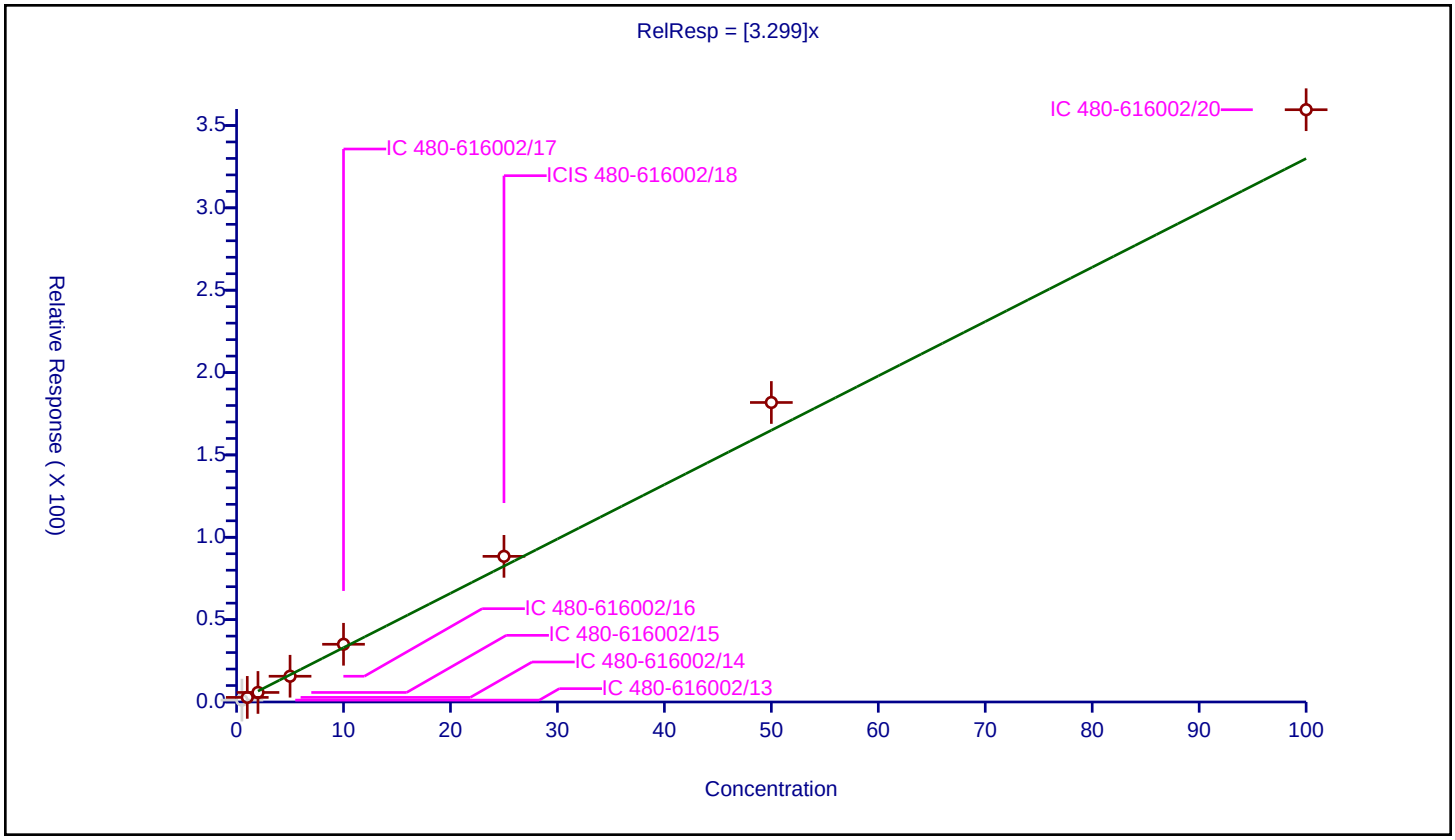
Curve Coefficients

Intercept:	0
Slope:	3.299

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	10.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.13999	25.0	336253.0	2.27998	N
2	IC 480-616002/14	1.0	2.799446	25.0	373056.0	2.799446	Y
3	IC 480-616002/15	2.0	5.7888	25.0	352301.0	2.8944	Y
4	IC 480-616002/16	5.0	15.638974	25.0	382621.0	3.127795	Y
5	IC 480-616002/17	10.0	35.035915	25.0	374074.0	3.503592	Y
6	ICIS 480-616002/18	25.0	88.420366	25.0	401403.0	3.536815	Y
7	IC 480-616002/19	50.0	181.826074	25.0	416700.0	3.636521	Y
8	IC 480-616002/20	100.0	359.571033	25.0	480468.0	3.59571	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

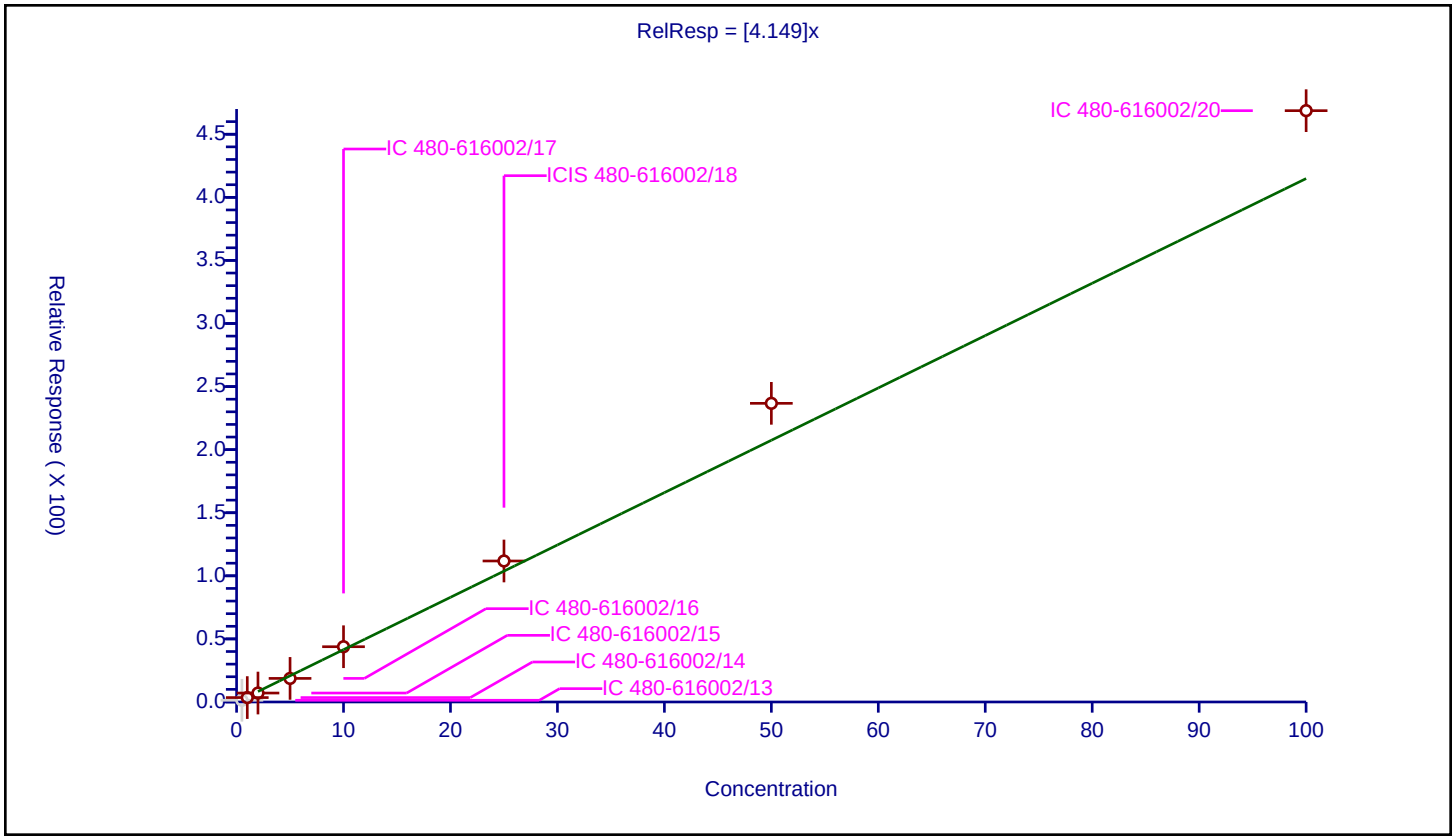
Curve Coefficients

Intercept:	0
Slope:	4.149

Error Coefficients

Standard Error:	4090000
Relative Standard Error:	13.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.361698	25.0	336253.0	2.723396	N
2	IC 480-616002/14	1.0	3.490629	25.0	373056.0	3.490629	Y
3	IC 480-616002/15	2.0	7.083857	25.0	352301.0	3.541929	Y
4	IC 480-616002/16	5.0	18.684547	25.0	382621.0	3.736909	Y
5	IC 480-616002/17	10.0	43.800892	25.0	374074.0	4.380089	Y
6	ICIS 480-616002/18	25.0	111.752839	25.0	401403.0	4.470114	Y
7	IC 480-616002/19	50.0	236.714363	25.0	416700.0	4.734287	Y
8	IC 480-616002/20	100.0	468.698956	25.0	480468.0	4.68699	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

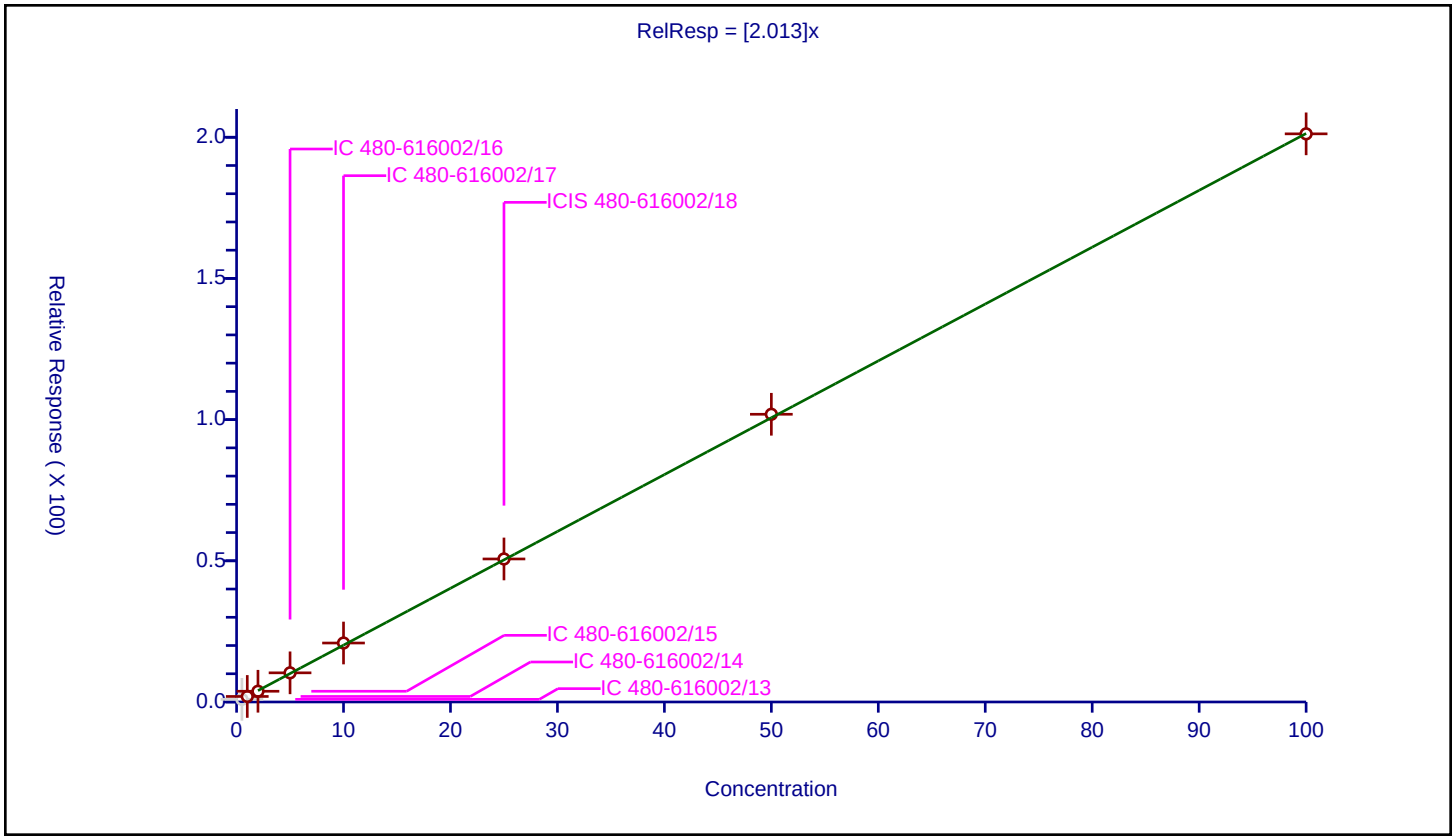
Curve Coefficients

Intercept:	0
Slope:	2.013

Error Coefficients

Standard Error:	1760000
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 480-616002/13	0.5	0.93791	25.0	336253.0	1.87582	N
2	IC 480-616002/14	1.0	1.960899	25.0	373056.0	1.960899	Y
3	IC 480-616002/15	2.0	3.805624	25.0	352301.0	1.902812	Y
4	IC 480-616002/16	5.0	10.326537	25.0	382621.0	2.065307	Y
5	IC 480-616002/17	10.0	20.886041	25.0	374074.0	2.088604	Y
6	ICIS 480-616002/18	25.0	50.649347	25.0	401403.0	2.025974	Y
7	IC 480-616002/19	50.0	101.893389	25.0	416700.0	2.037868	Y
8	IC 480-616002/20	100.0	201.203722	25.0	480468.0	2.012037	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

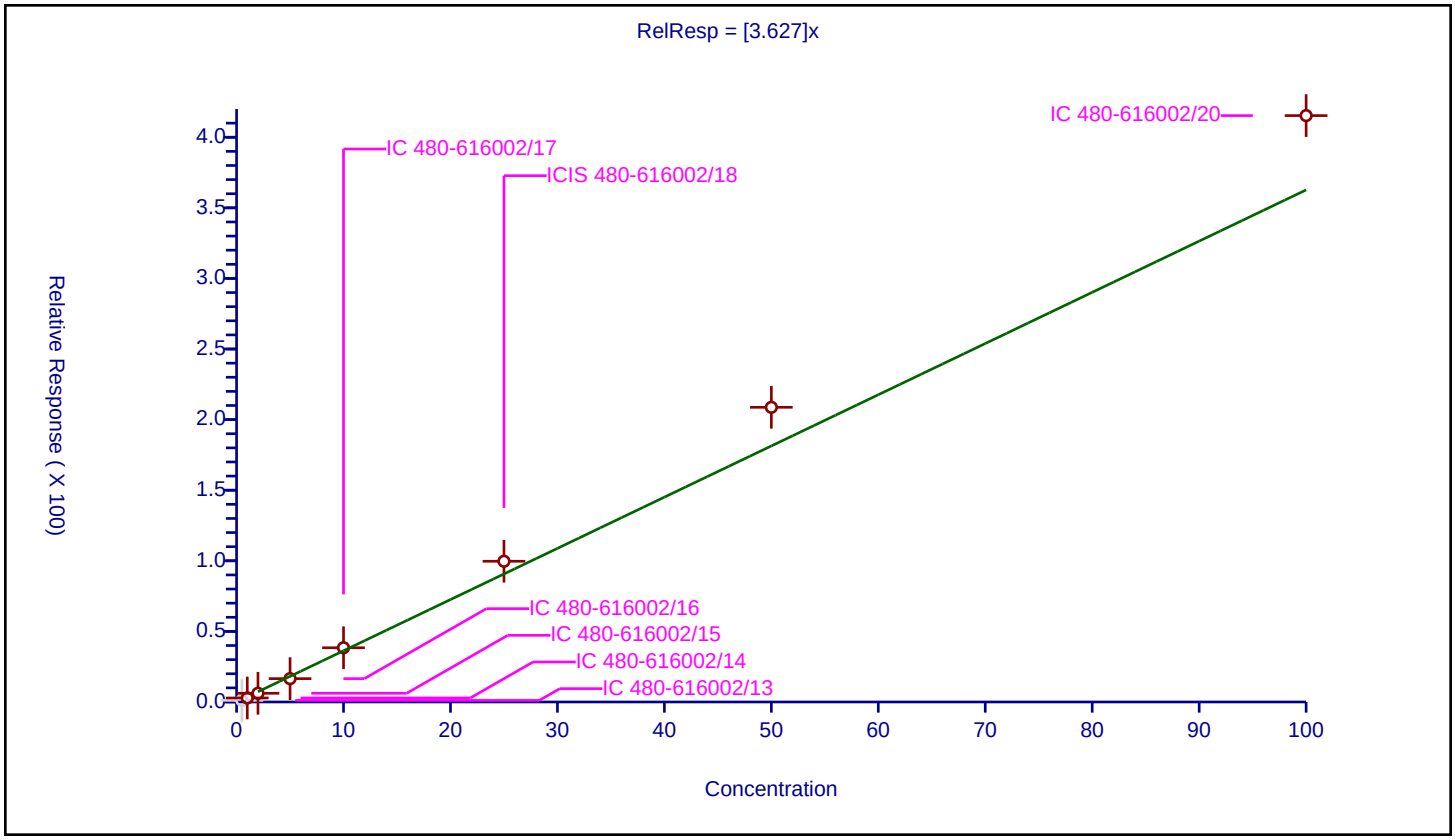
Curve Coefficients

Intercept:	0
Slope:	3.627

Error Coefficients

Standard Error:	3620000
Relative Standard Error:	14.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.144971	25.0	336253.0	2.289942	N
2	IC 480-616002/14	1.0	2.847562	25.0	373056.0	2.847562	Y
3	IC 480-616002/15	2.0	6.158796	25.0	352301.0	3.079398	Y
4	IC 480-616002/16	5.0	16.531241	25.0	382621.0	3.306248	Y
5	IC 480-616002/17	10.0	38.410983	25.0	374074.0	3.841098	Y
6	ICIS 480-616002/18	25.0	99.673645	25.0	401403.0	3.986946	Y
7	IC 480-616002/19	50.0	208.720542	25.0	416700.0	4.174411	Y
8	IC 480-616002/20	100.0	415.329221	25.0	480468.0	4.153292	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

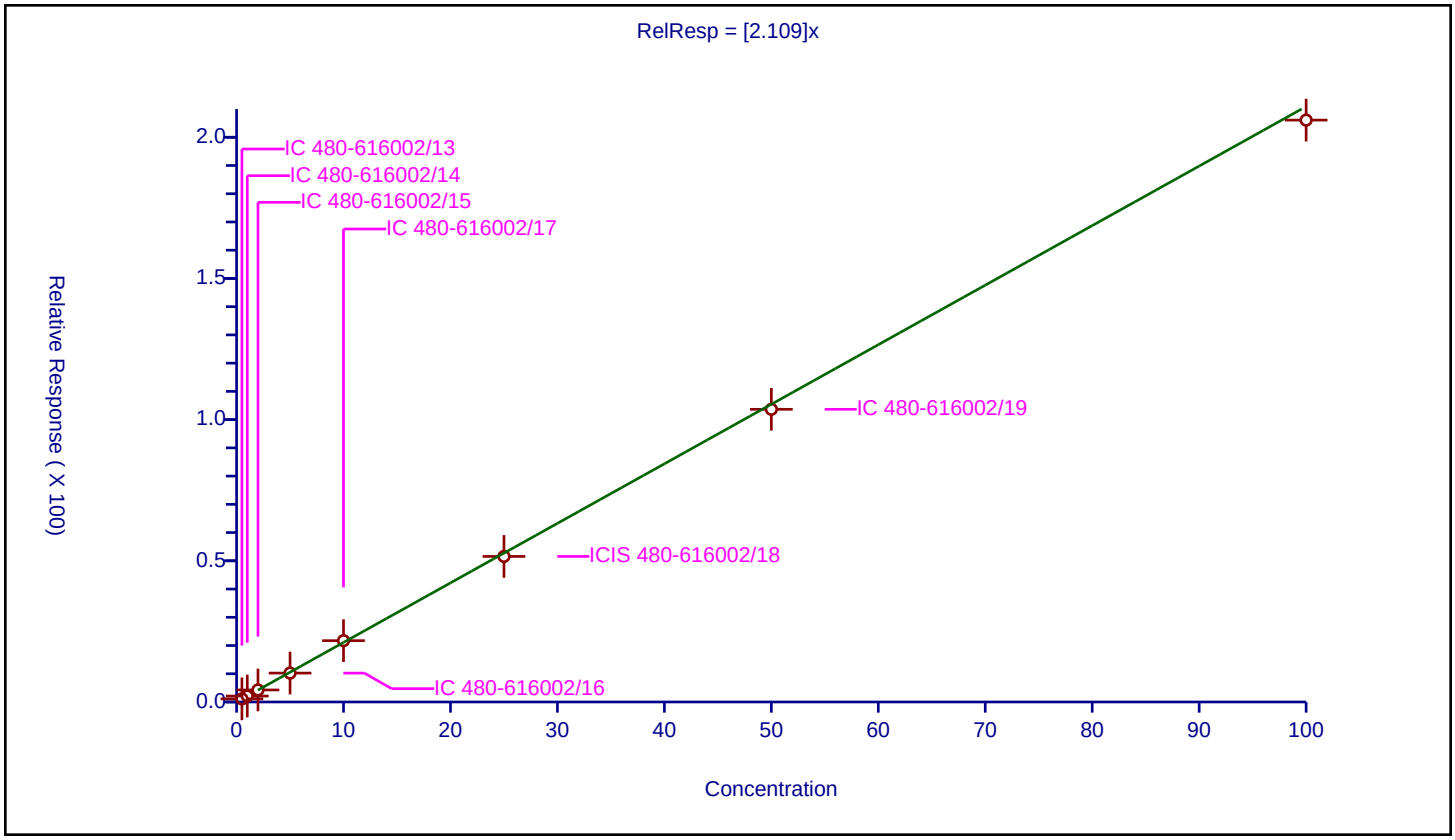
Curve Coefficients

Intercept:	0
Slope:	2.109

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	2.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.106607	25.0	336253.0	2.213214	Y
2	IC 480-616002/14	1.0	2.11168	25.0	373056.0	2.11168	Y
3	IC 480-616002/15	2.0	4.262477	25.0	352301.0	2.131239	Y
4	IC 480-616002/16	5.0	10.236827	25.0	382621.0	2.047365	Y
5	IC 480-616002/17	10.0	21.713418	25.0	374074.0	2.171342	Y
6	ICIS 480-616002/18	25.0	51.545766	25.0	401403.0	2.061831	Y
7	IC 480-616002/19	50.0	103.651008	25.0	416700.0	2.07302	Y
8	IC 480-616002/20	100.0	206.072881	25.0	480468.0	2.060729	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

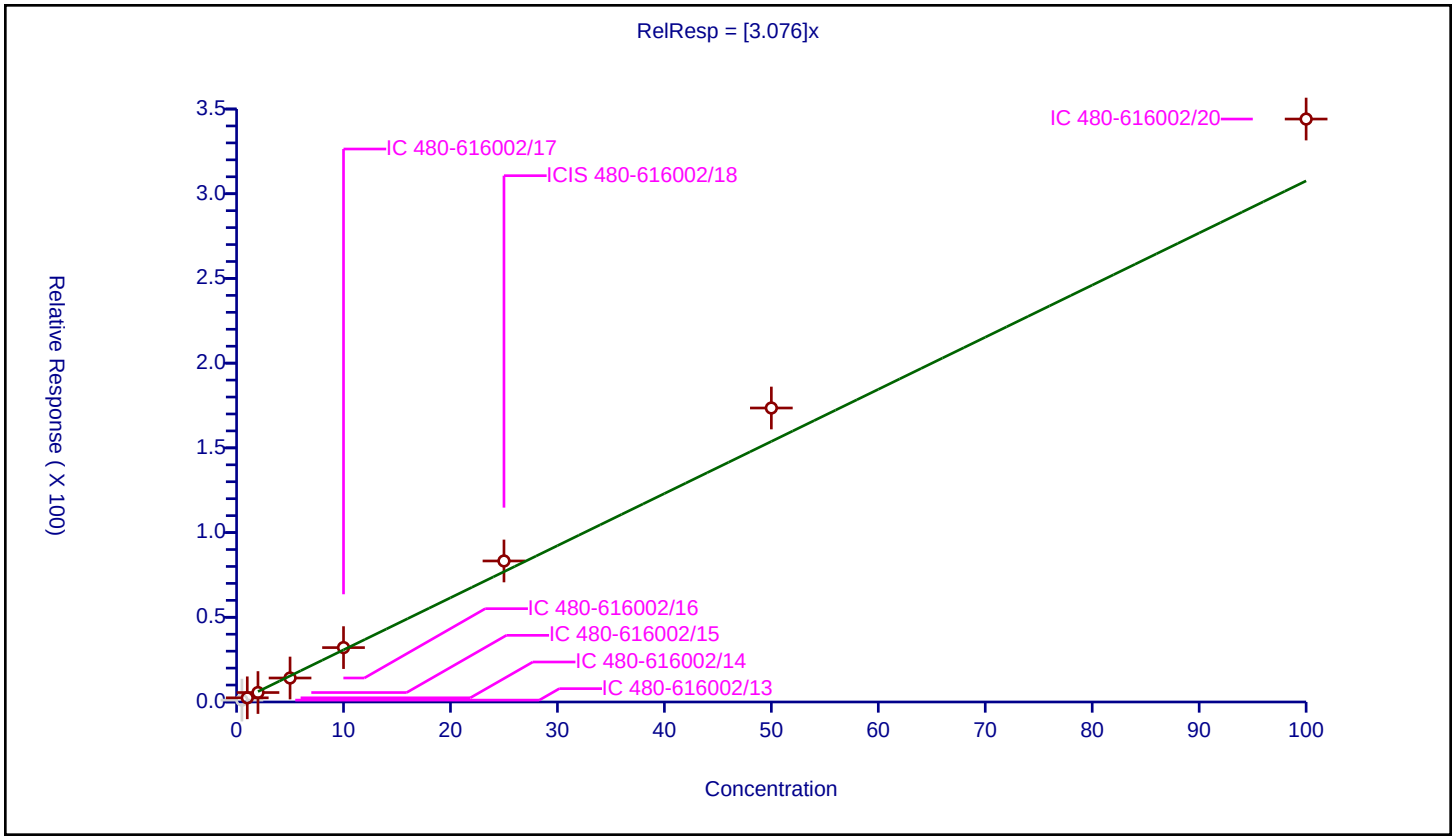
Curve Coefficients

Intercept:	0
Slope:	3.076

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	12.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.109507	25.0	336253.0	2.219014	N
2	IC 480-616002/14	1.0	2.457272	25.0	373056.0	2.457272	Y
3	IC 480-616002/15	2.0	5.577191	25.0	352301.0	2.788596	Y
4	IC 480-616002/16	5.0	14.164604	25.0	382621.0	2.832921	Y
5	IC 480-616002/17	10.0	32.10294	25.0	374074.0	3.210294	Y
6	ICIS 480-616002/18	25.0	83.247634	25.0	401403.0	3.329905	Y
7	IC 480-616002/19	50.0	173.528018	25.0	416700.0	3.47056	Y
8	IC 480-616002/20	100.0	344.074215	25.0	480468.0	3.440742	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

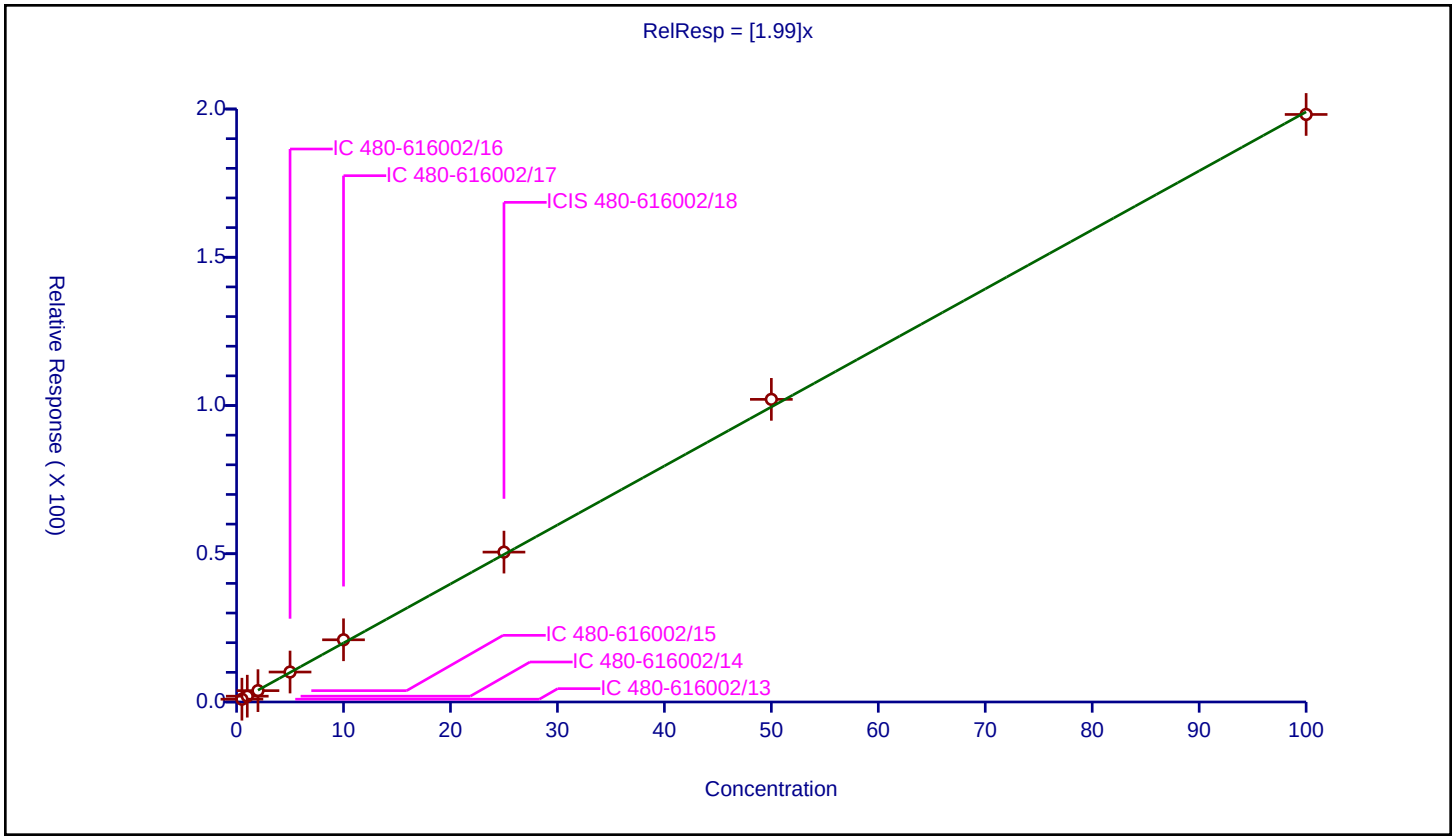
Curve Coefficients

Intercept:	0
Slope:	1.99

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	3.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.942743	25.0	336253.0	1.885485	Y
2	IC 480-616002/14	1.0	1.957079	25.0	373056.0	1.957079	Y
3	IC 480-616002/15	2.0	3.830602	25.0	352301.0	1.915301	Y
4	IC 480-616002/16	5.0	10.10922	25.0	382621.0	2.021844	Y
5	IC 480-616002/17	10.0	20.981076	25.0	374074.0	2.098108	Y
6	ICIS 480-616002/18	25.0	50.548327	25.0	401403.0	2.021933	Y
7	IC 480-616002/19	50.0	102.070794	25.0	416700.0	2.041416	Y
8	IC 480-616002/20	100.0	198.163926	25.0	480468.0	1.981639	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

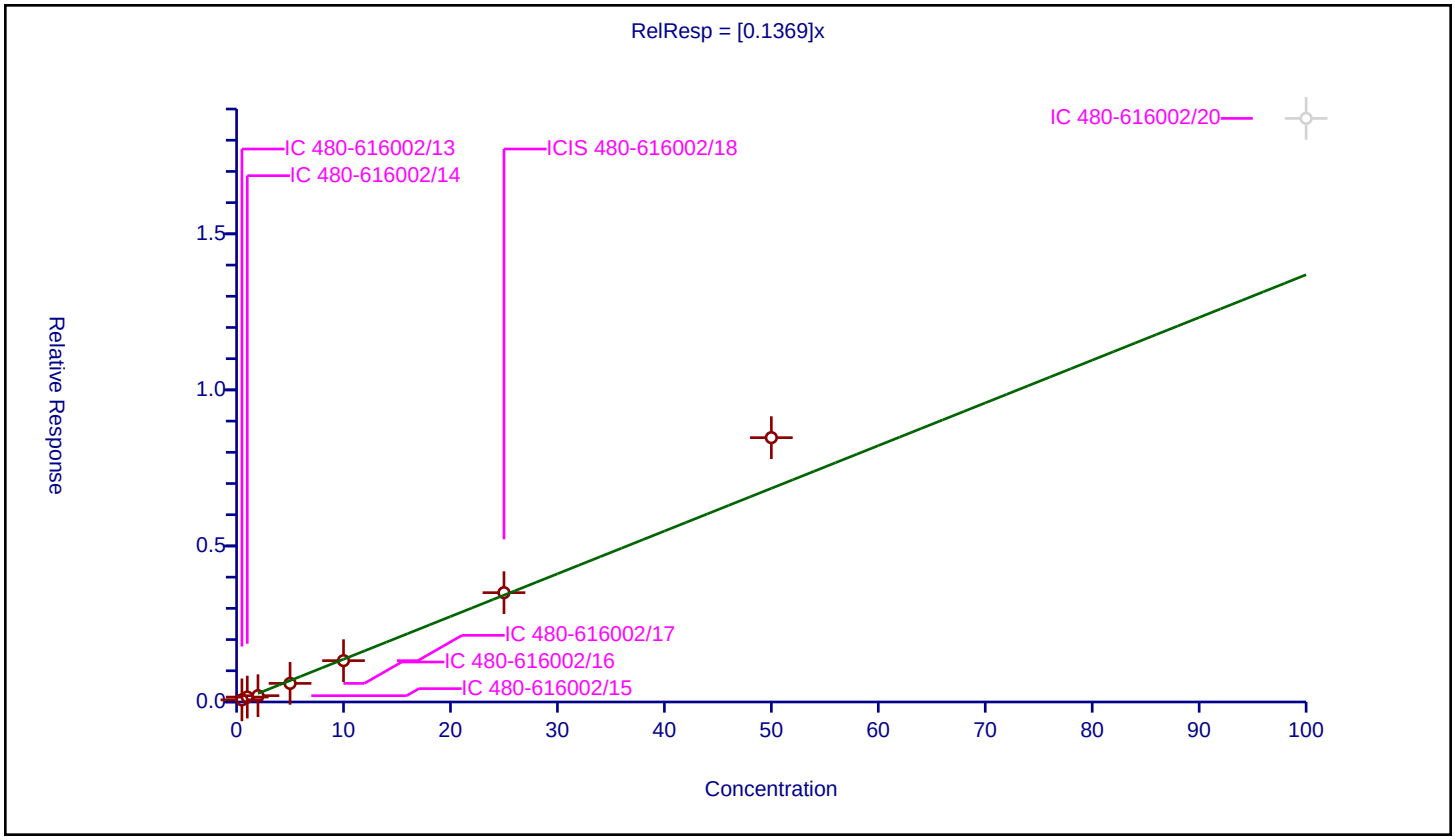
Curve Coefficients

Intercept:	0
Slope:	0.1369

Error Coefficients

Standard Error:	62700
Relative Standard Error:	16.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.06907	25.0	336253.0	0.13814	Y
2	IC 480-616002/14	1.0	0.157885	25.0	373056.0	0.157885	Y
3	IC 480-616002/15	2.0	0.202171	25.0	352301.0	0.101085	Y
4	IC 480-616002/16	5.0	0.596151	25.0	382621.0	0.11923	Y
5	IC 480-616002/17	10.0	1.324738	25.0	374074.0	0.132474	Y
6	ICIS 480-616002/18	25.0	3.502465	25.0	401403.0	0.140099	Y
7	IC 480-616002/19	50.0	8.469942	25.0	416700.0	0.169399	Y
8	IC 480-616002/20	100.0	18.69958	25.0	480468.0	0.186996	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

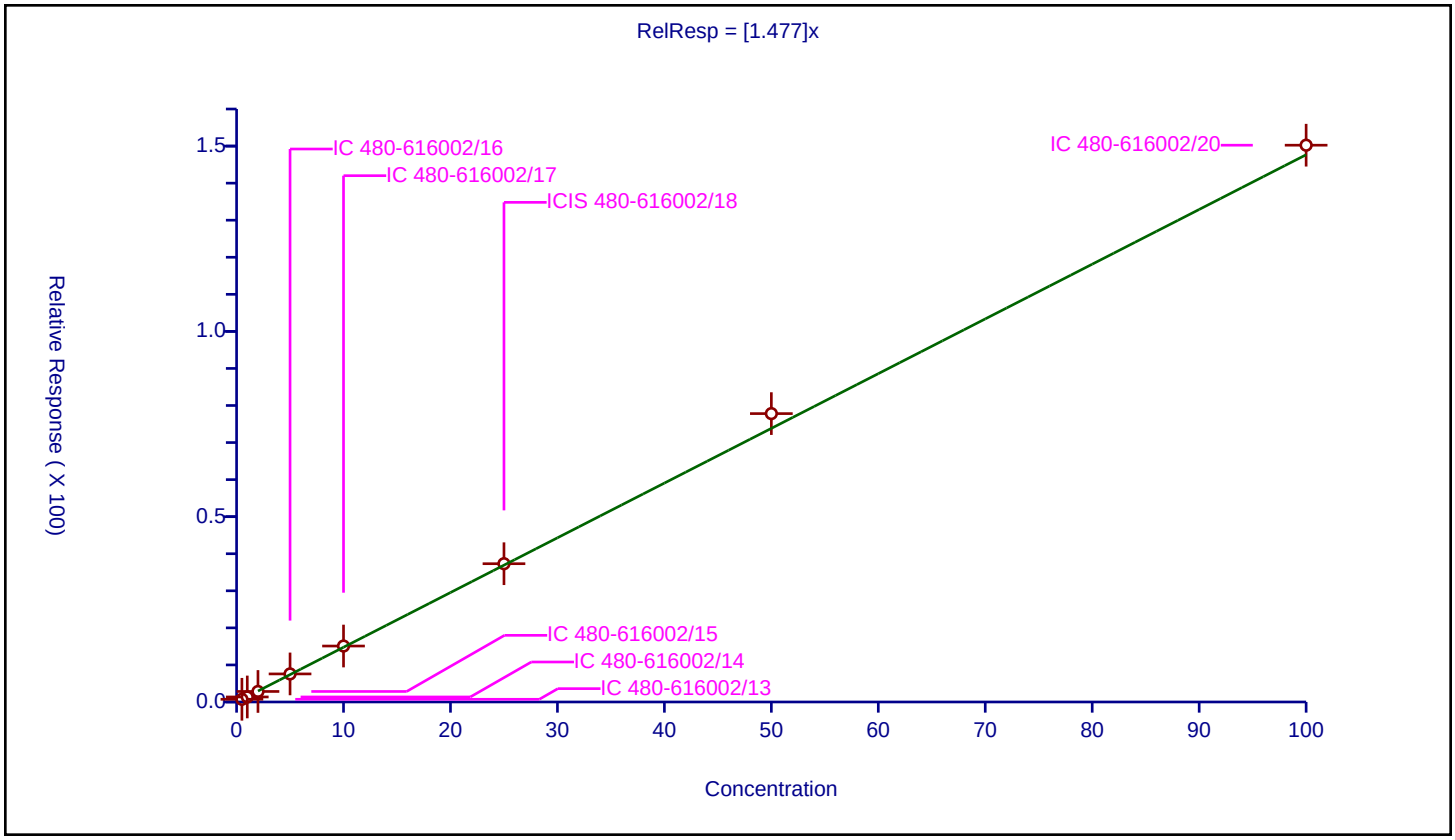
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Standard Error:	1220000
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 480-616002/13	0.5	0.731072	25.0	336253.0	1.462143	Y
2	IC 480-616002/14	1.0	1.354823	25.0	373056.0	1.354823	Y
3	IC 480-616002/15	2.0	2.840327	25.0	352301.0	1.420163	Y
4	IC 480-616002/16	5.0	7.573813	25.0	382621.0	1.514763	Y
5	IC 480-616002/17	10.0	15.096746	25.0	374074.0	1.509675	Y
6	ICIS 480-616002/18	25.0	37.313809	25.0	401403.0	1.492552	Y
7	IC 480-616002/19	50.0	77.814855	25.0	416700.0	1.556297	Y
8	IC 480-616002/20	100.0	150.237893	25.0	480468.0	1.502379	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

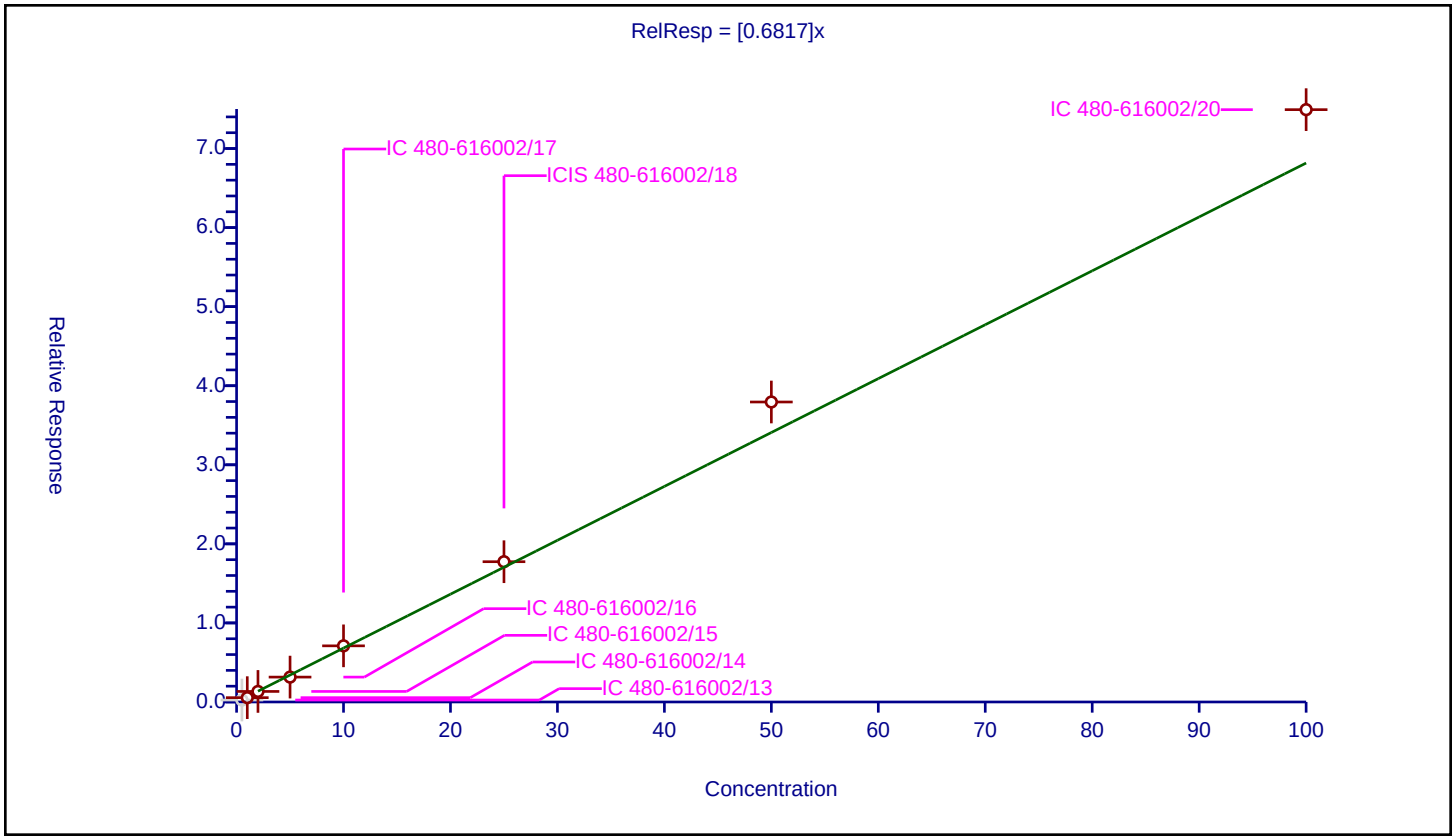
Curve Coefficients

Intercept:	0
Slope:	0.6817

Error Coefficients

Standard Error:	654000
Relative Standard Error:	10.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	0.24944	25.0	336253.0	0.49888	N
2	IC 480-616002/14	1.0	0.546433	25.0	373056.0	0.546433	Y
3	IC 480-616002/15	2.0	1.334725	25.0	352301.0	0.667363	Y
4	IC 480-616002/16	5.0	3.149984	25.0	382621.0	0.629997	Y
5	IC 480-616002/17	10.0	7.101001	25.0	374074.0	0.7101	Y
6	ICIS 480-616002/18	25.0	17.742767	25.0	401403.0	0.709711	Y
7	IC 480-616002/19	50.0	37.943365	25.0	416700.0	0.758867	Y
8	IC 480-616002/20	100.0	74.917997	25.0	480468.0	0.74918	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

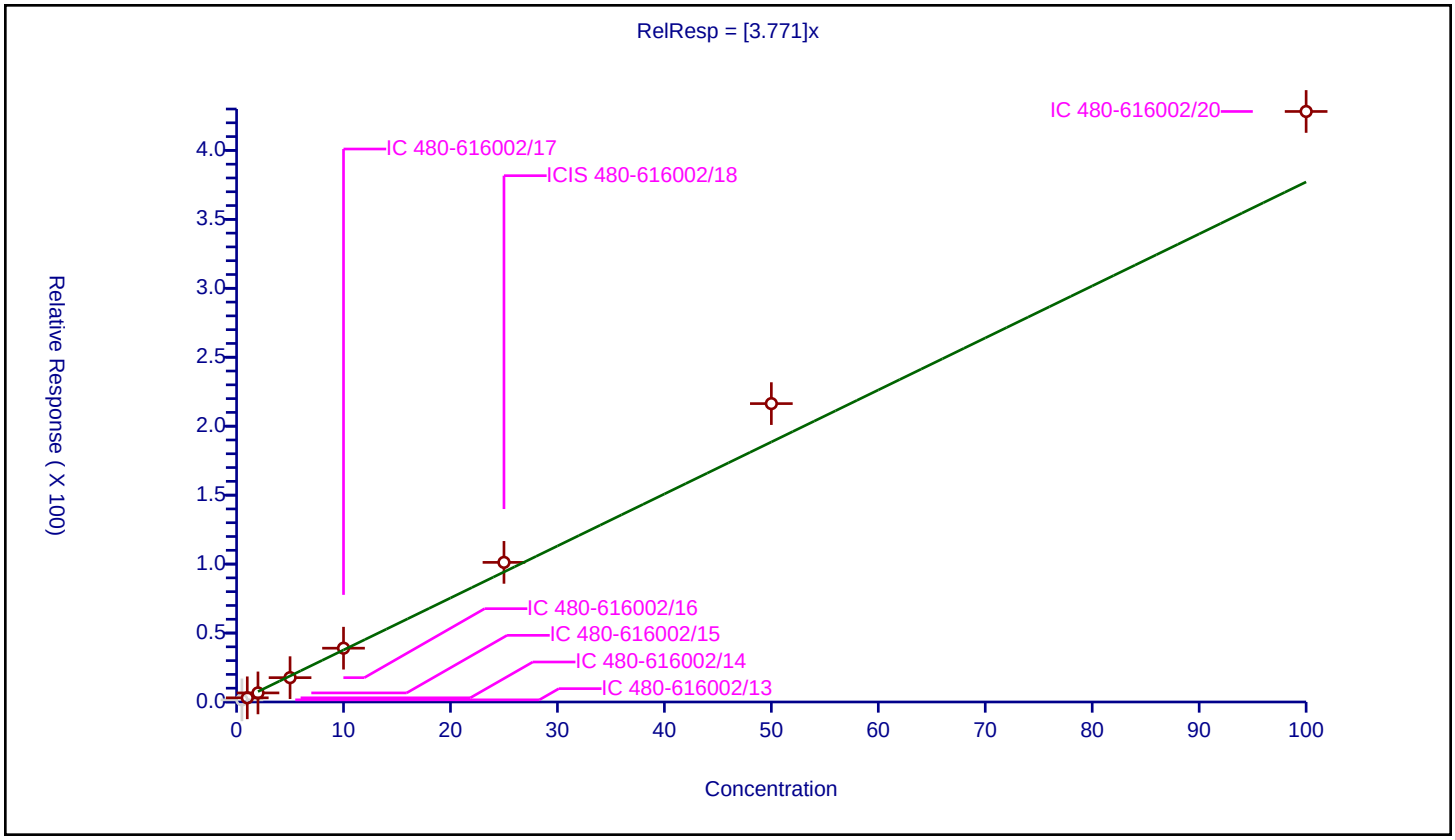
Curve Coefficients

Intercept:	0
Slope:	3.771

Error Coefficients

Standard Error:	3740000
Relative Standard Error:	13.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-616002/13	0.5	1.555302	25.0	336253.0	3.110604	N
2	IC 480-616002/14	1.0	3.018247	25.0	373056.0	3.018247	Y
3	IC 480-616002/15	2.0	6.574847	25.0	352301.0	3.287423	Y
4	IC 480-616002/16	5.0	17.654807	25.0	382621.0	3.530961	Y
5	IC 480-616002/17	10.0	39.019018	25.0	374074.0	3.901902	Y
6	ICIS 480-616002/18	25.0	101.242268	25.0	401403.0	4.049691	Y
7	IC 480-616002/19	50.0	216.37329	25.0	416700.0	4.327466	Y
8	IC 480-616002/20	100.0	428.211296	25.0	480468.0	4.282113	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

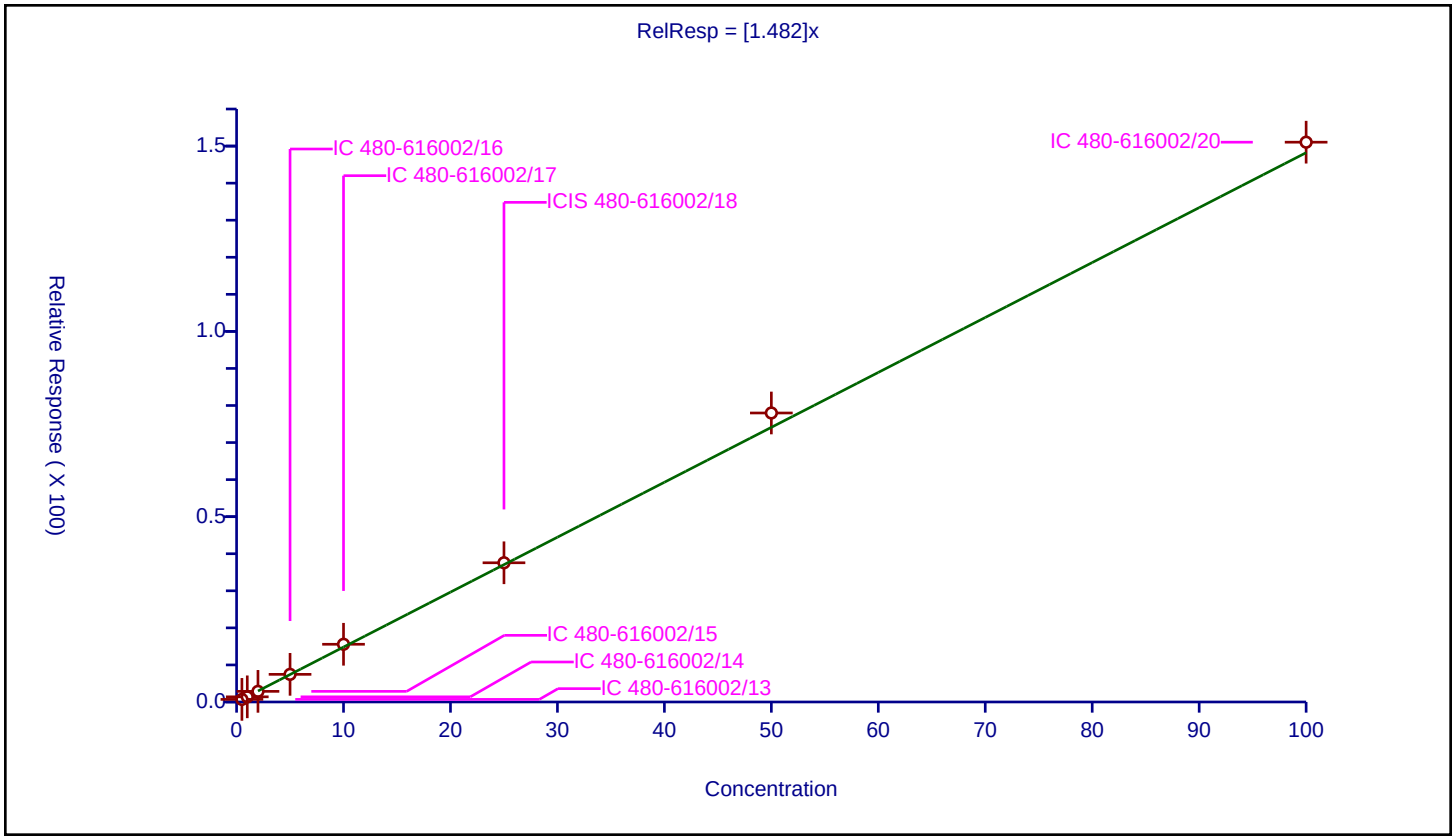
Curve Coefficients

Intercept:	0
Slope:	1.482

Error Coefficients

Standard Error:	1230000
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 480-616002/13	0.5	0.704603	25.0	336253.0	1.409207	Y
2	IC 480-616002/14	1.0	1.391078	25.0	373056.0	1.391078	Y
3	IC 480-616002/15	2.0	2.870628	25.0	352301.0	1.435314	Y
4	IC 480-616002/16	5.0	7.457183	25.0	382621.0	1.491437	Y
5	IC 480-616002/17	10.0	15.573055	25.0	374074.0	1.557306	Y
6	ICIS 480-616002/18	25.0	37.562873	25.0	401403.0	1.502515	Y
7	IC 480-616002/19	50.0	77.978582	25.0	416700.0	1.559572	Y
8	IC 480-616002/20	100.0	151.046688	25.0	480468.0	1.510467	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-613702/30 Calibration Date: 02/03/2022 23:53

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1327.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	1.086	1.170	0.1000	26.9	25.0	7.7	50.0
Chloromethane	Ave	2.265	2.236	0.1000	24.7	25.0	-1.3	30.0
Vinyl chloride	Ave	1.556	1.679	0.1000	27.0	25.0	7.9	30.0
Bromomethane	Ave	0.8553	0.8470	0.1000	24.8	25.0	-1.0	50.0
Chloroethane	Ave	1.004	0.9853	0.1000	24.5	25.0	-1.9	50.0
Trichlorofluoromethane	Ave	1.530	1.782	0.1000	29.1	25.0	16.4	30.0
Dichlorofluoromethane	Ave	2.068	2.110		25.5	25.0	2.1	30.0
Ethyl ether	Ave	1.584	1.634		25.8	25.0	3.2	30.0
Acrolein	Lin1		0.1928		123	125	-2.0	50.0
1,1-Dichloroethene	Ave	1.104	1.193	0.1000	27.0	25.0	8.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	1.210	0.1000	26.3	25.0	5.2	30.0
Acetone	Lin1		0.5182	0.1000	131	125	4.9	50.0
Iodomethane	Ave	1.966	2.122		27.0	25.0	7.9	30.0
Carbon disulfide	Ave	3.479	4.058	0.1000	29.2	25.0	16.6	30.0
Allyl chloride	Ave	3.436	3.570		26.0	25.0	3.9	30.0
Methyl acetate	Ave	1.842	1.785	0.1000	48.5	50.0	-3.1	50.0
Methylene Chloride	Lin1		1.374	0.1000	26.5	25.0	5.9	30.0
2-Methyl-2-propanol	Ave	0.1469	0.1337		228	250	-9.0	50.0
Methyl tert-butyl ether	Ave	4.025	4.190	0.1000	26.0	25.0	4.1	30.0
trans-1,2-Dichloroethene	Ave	1.360	1.384	0.1000	25.4	25.0	1.8	30.0
Acrylonitrile	Ave	0.8497	0.8595		253	250	1.2	30.0
Hexane	Ave	2.772	2.707		24.4	25.0	-2.4	30.0
1,1-Dichloroethane	Ave	2.886	3.043	0.2000	26.4	25.0	5.4	30.0
Vinyl acetate	Ave	4.737	4.635		48.9	50.0	-2.2	30.0
2,2-Dichloropropane	Ave	1.404	1.342		23.9	25.0	-4.4	30.0
cis-1,2-Dichloroethene	Ave	1.446	1.512	0.1000	26.1	25.0	4.5	30.0
2-Butanone (MEK)	Ave	1.074	1.075	0.1000	125	125	0.0	30.0
Chlorobromomethane	Ave	0.7153	0.7444		26.0	25.0	4.1	30.0
Tetrahydrofuran	Ave	0.7745	0.7458		48.1	50.0	-3.7	30.0
Chloroform	Ave	2.380	2.463	0.2000	25.9	25.0	3.5	30.0
1,1,1-Trichloroethane	Ave	2.027	2.146	0.1000	26.5	25.0	5.9	30.0
Cyclohexane	Ave	3.310	3.464	0.1000	26.2	25.0	4.6	30.0
Carbon tetrachloride	Ave	1.745	1.906	0.1000	27.3	25.0	9.2	30.0
1,1-Dichloropropene	Ave	1.864	2.019		27.1	25.0	8.3	30.0
Benzene	Ave	5.520	5.709	0.5000	25.9	25.0	3.4	30.0
Isobutyl alcohol	Ave	0.0788	0.0691		548	625	-12.3	50.0
1,2-Dichloroethane	Ave	2.288	2.330	0.1000	25.5	25.0	1.8	30.0
n-Heptane	Ave	3.208	3.124		24.3	25.0	-2.6	30.0
Trichloroethene	Ave	1.370	1.457	0.2000	26.6	25.0	6.3	30.0
Methylcyclohexane	Ave	2.260	2.313	0.1000	25.6	25.0	2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-613702/30 Calibration Date: 02/03/2022 23:53

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1327.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	1.645	1.700	0.1000	25.8	25.0	3.3	30.0
Dibromomethane	Ave	0.8467	0.8733	0.1000	25.8	25.0	3.1	30.0
1,4-Dioxane	Ave	0.0027	0.0030		565	500	12.9	50.0
Bromodichloromethane	Ave	1.632	1.698	0.2000	26.0	25.0	4.0	30.0
2-Chloroethyl vinyl ether	Ave	1.070	1.118		26.1	25.0	4.5	30.0
cis-1,3-Dichloropropene	Ave	2.177	2.224	0.2000	25.5	25.0	2.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2096	0.2156	0.1000	129	125	2.9	30.0
Toluene	Ave	0.9262	0.9506	0.4000	25.7	25.0	2.6	30.0
trans-1,3-Dichloropropene	Ave	0.5328	0.5382	0.1000	25.3	25.0	1.0	30.0
Ethyl methacrylate	Ave	0.4593	0.4763		25.9	25.0	3.7	30.0
1,1,2-Trichloroethane	Ave	0.2666	0.2637	0.1000	24.7	25.0	-1.1	30.0
Tetrachloroethene	Ave	0.3800	0.3910	0.2000	25.7	25.0	2.9	30.0
1,3-Dichloropropane	Ave	0.5656	0.5628		24.9	25.0	-0.5	30.0
2-Hexanone	Ave	0.4141	0.4142	0.1000	125	125	0.0	30.0
Dibromochloromethane	Ave	0.3260	0.3383	0.1000	25.9	25.0	3.7	30.0
1,2-Dibromoethane	Ave	0.3488	0.3454		24.8	25.0	-1.0	30.0
Chlorobenzene	Ave	0.999	1.003	0.5000	25.1	25.0	0.3	30.0
Ethylbenzene	Ave	1.708	1.760	0.1000	25.8	25.0	3.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3443	0.3659		26.6	25.0	6.3	30.0
m,p-Xylene	Ave	0.6543	0.6828	0.1000	26.1	25.0	4.3	30.0
o-Xylene	Ave	0.6391	0.6571	0.3000	25.7	25.0	2.8	30.0
Styrene	Ave	1.109	1.136	0.3000	25.6	25.0	2.4	30.0
Bromoform	Ave	0.2115	0.2239	0.1000	26.5	25.0	5.9	50.0
Isopropylbenzene	Ave	3.568	3.840	0.1000	26.9	25.0	7.6	30.0
Bromobenzene	Ave	0.8770	0.9060		25.8	25.0	3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9023	0.9160	0.3000	25.4	25.0	1.5	30.0
N-Propylbenzene	Ave	4.047	4.362		26.9	25.0	7.8	30.0
1,2,3-Trichloropropane	Ave	0.2963	0.2969		25.1	25.0	0.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4242	0.4145		24.4	25.0	-2.3	50.0
2-Chlorotoluene	Ave	0.8104	0.8849		27.3	25.0	9.2	30.0
1,3,5-Trimethylbenzene	Ave	2.852	3.115		27.3	25.0	9.2	30.0
4-Chlorotoluene	Ave	2.603	2.733		26.3	25.0	5.0	30.0
tert-Butylbenzene	Ave	0.6241	0.6735		27.0	25.0	7.9	30.0
1,2,4-Trimethylbenzene	Ave	2.871	3.111		27.1	25.0	8.4	30.0
sec-Butylbenzene	Ave	3.643	3.864		26.5	25.0	6.1	30.0
1,3-Dichlorobenzene	Ave	1.624	1.754	0.6000	27.0	25.0	8.0	30.0
4-Isopropyltoluene	Ave	3.041	3.358		27.6	25.0	10.4	30.0
1,4-Dichlorobenzene	Ave	1.688	1.773	0.5000	26.3	25.0	5.1	30.0
n-Butylbenzene	Ave	2.665	2.855		26.8	25.0	7.1	30.0
1,2-Dichlorobenzene	Ave	1.595	1.656	0.4000	26.0	25.0	3.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1590	0.1618	0.0500	25.5	25.0	1.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-613702/30 Calibration Date: 02/03/2022 23:53

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1327.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	1.028	1.033	0.2000	25.1	25.0	0.5	30.0
Hexachlorobutadiene	Ave	0.4852	0.4774		24.6	25.0	-1.6	30.0
Naphthalene	Ave	2.959	2.992		25.3	25.0	1.1	30.0
1,2,3-Trichlorobenzene	Ave	0.9612	0.9619		25.0	25.0	0.0	30.0
Dibromofluoromethane (Surr)	Ave	1.107	1.196		27.0	25.0	8.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.505	1.591		26.4	25.0	5.7	30.0
Toluene-d8 (Surr)	Ave	1.187	1.196		25.2	25.0	0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3595	0.3551		24.7	25.0	-1.2	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1327.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Feb-2022 23:53:30 ALS Bottle#: 33 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0103740-030
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Feb-2022 12:06:48 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: dahnw Date: 04-Feb-2022 11:12:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	99	184935	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	695744	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	323005	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	221216	25.0	27.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	58	294180	25.0	26.4	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	832097	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.572	9.578	-0.006	87	247068	25.0	24.7	
11 Dichlorodifluoromethane	85	1.256	1.250	0.006	98	216311	25.0	26.9	
13 Chloromethane	50	1.420	1.420	0.000	99	413449	25.0	24.7	
14 Vinyl chloride	62	1.518	1.511	0.007	98	310488	25.0	27.0	
144 Butadiene	54	1.530	1.530	0.000	95	375335	25.0	28.1	
15 Bromomethane	94	1.834	1.822	0.012	92	156638	25.0	24.8	
16 Chloroethane	64	1.895	1.895	0.000	96	182208	25.0	24.5	
18 Trichlorofluoromethane	101	2.095	2.089	0.006	98	329541	25.0	29.1	
17 Dichlorofluoromethane	67	2.114	2.114	0.000	97	390295	25.0	25.5	
19 Ethyl ether	59	2.388	2.381	0.007	97	302237	25.0	25.8	
20 Acrolein	56	2.558	2.558	0.000	97	178242	125.0	122.5	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	220667	25.0	27.0	
21 112TCTFE	101	2.600	2.600	0.000	88	223808	25.0	26.3	
23 Acetone	43	2.716	2.710	0.006	98	479148	125.0	131.1	
24 Iodomethane	142	2.753	2.752	0.001	99	392360	25.0	27.0	
25 Carbon disulfide	76	2.783	2.783	0.000	99	750398	25.0	29.2	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	660141	25.0	26.0	
28 Methyl acetate	43	3.008	3.008	0.000	100	660226	50.0	48.5	
30 Methylene Chloride	84	3.105	3.099	0.006	91	254097	25.0	26.5	
31 2-Methyl-2-propanol	59	3.282	3.276	0.006	97	247279	250.0	227.5	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	97	774822	25.0	26.0	
33 trans-1,2-Dichloroethene	96	3.330	3.324	0.006	92	255962	25.0	25.4	
34 Acrylonitrile	53	3.385	3.379	0.006	98	1589480	250.0	252.9	
35 Hexane	57	3.519	3.519	0.000	96	500544	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.744	3.738	0.006	97	562678	25.0	26.4	
39 Vinyl acetate	43	3.799	3.799	0.000	97	1714243	50.0	48.9	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	89	248142	25.0	23.9	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	84	279550	25.0	26.1	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	993638	125.0	125.0	
47 Chlorobromomethane	128	4.529	4.523	0.006	88	137664	25.0	26.0	
49 Tetrahydrofuran	42	4.547	4.547	0.000	94	275847	50.0	48.1	
50 Chloroform	83	4.602	4.602	0.000	96	455437	25.0	25.9	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	96	396816	25.0	26.5	
52 Cyclohexane	56	4.718	4.717	0.001	95	640568	25.0	26.2	
53 Carbon tetrachloride	117	4.845	4.851	-0.006	95	352444	25.0	27.3	
54 1,1-Dichloropropene	75	4.864	4.863	0.001	90	373340	25.0	27.1	
55 Benzene	78	5.064	5.064	0.000	94	1055801	25.0	25.9	
56 Isobutyl alcohol	43	5.095	5.095	0.000	93	319579	625.0	548.4	
57 1,2-Dichloroethane	62	5.137	5.131	0.006	95	430938	25.0	25.5	
59 n-Heptane	43	5.247	5.247	0.000	97	577815	25.0	24.3	
60 Trichloroethene	95	5.673	5.672	0.001	95	269478	25.0	26.6	
62 Methylcyclohexane	83	5.788	5.788	0.000	96	427723	25.0	25.6	
63 1,2-Dichloropropane	63	5.916	5.910	0.006	92	314312	25.0	25.8	
64 Dibromomethane	93	6.050	6.050	0.000	97	161512	25.0	25.8	
66 1,4-Dioxane	88	6.056	6.062	-0.006	33	41998	500.0	564.7	M
67 Dichlorobromomethane	83	6.208	6.202	0.006	95	313946	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	88	206817	25.0	26.1	
71 cis-1,3-Dichloropropene	75	6.622	6.615	0.007	87	411301	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	750173	125.0	128.6	
73 Toluene	92	6.902	6.901	0.001	97	661372	25.0	25.7	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	97	374417	25.0	25.3	
77 Ethyl methacrylate	69	7.236	7.236	0.000	93	331386	25.0	25.9	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	183483	25.0	24.7	
79 Tetrachloroethene	166	7.431	7.431	0.000	96	272041	25.0	25.7	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	95	391543	25.0	24.9	
82 2-Hexanone	43	7.607	7.607	0.000	99	1440903	125.0	125.0	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	235342	25.0	25.9	
84 Ethylene Dibromide	107	7.875	7.875	0.000	99	240343	25.0	24.8	
85 Chlorobenzene	112	8.349	8.349	0.000	92	697811	25.0	25.1	
88 Ethylbenzene	91	8.441	8.441	0.000	98	1224482	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	94	254568	25.0	26.6	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	475055	25.0	26.1	
91 o-Xylene	106	8.988	8.988	0.000	97	457172	25.0	25.7	
92 Styrene	104	9.019	9.018	0.001	95	790218	25.0	25.6	
93 Bromoform	173	9.268	9.268	0.000	95	155761	25.0	26.5	
95 Isopropylbenzene	105	9.378	9.377	0.001	96	1240457	25.0	26.9	
97 Bromobenzene	156	9.724	9.724	0.000	94	292656	25.0	25.8	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	95	295868	25.0	25.4	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1408885	25.0	26.9	
99 1,2,3-Trichloropropane	110	9.816	9.815	0.001	90	95908	25.0	25.1	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	86	133880	25.0	24.4	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	285816	25.0	27.3	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	1006061	25.0	27.3	
105 4-Chlorotoluene	91	10.022	10.022	0.000	98	882814	25.0	26.3	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	217560	25.0	27.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1004771	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1248173	25.0	26.5	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	566479	25.0	27.0	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	1084635	25.0	27.6	
113 1,4-Dichlorobenzene	146	10.746	10.740	0.006	95	572721	25.0	26.3	
115 n-Butylbenzene	91	11.051	11.050	0.001	98	922262	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	97	535032	25.0	26.0	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	77	52273	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	12.511	12.504	0.007	95	333562	25.0	25.1	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	97	154200	25.0	24.6	
121 Naphthalene	128	12.724	12.717	0.007	97	966341	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	96	310713	25.0	25.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00443	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00098	Amount Added: 12.50	Units: uL	
N_8260_Surr_00433	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00226	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 04-Feb-2022 12:08:04 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1327.D

Injection Date: 03-Feb-2022 23:53:30 Instrument ID: HP5973N Operator ID: LH

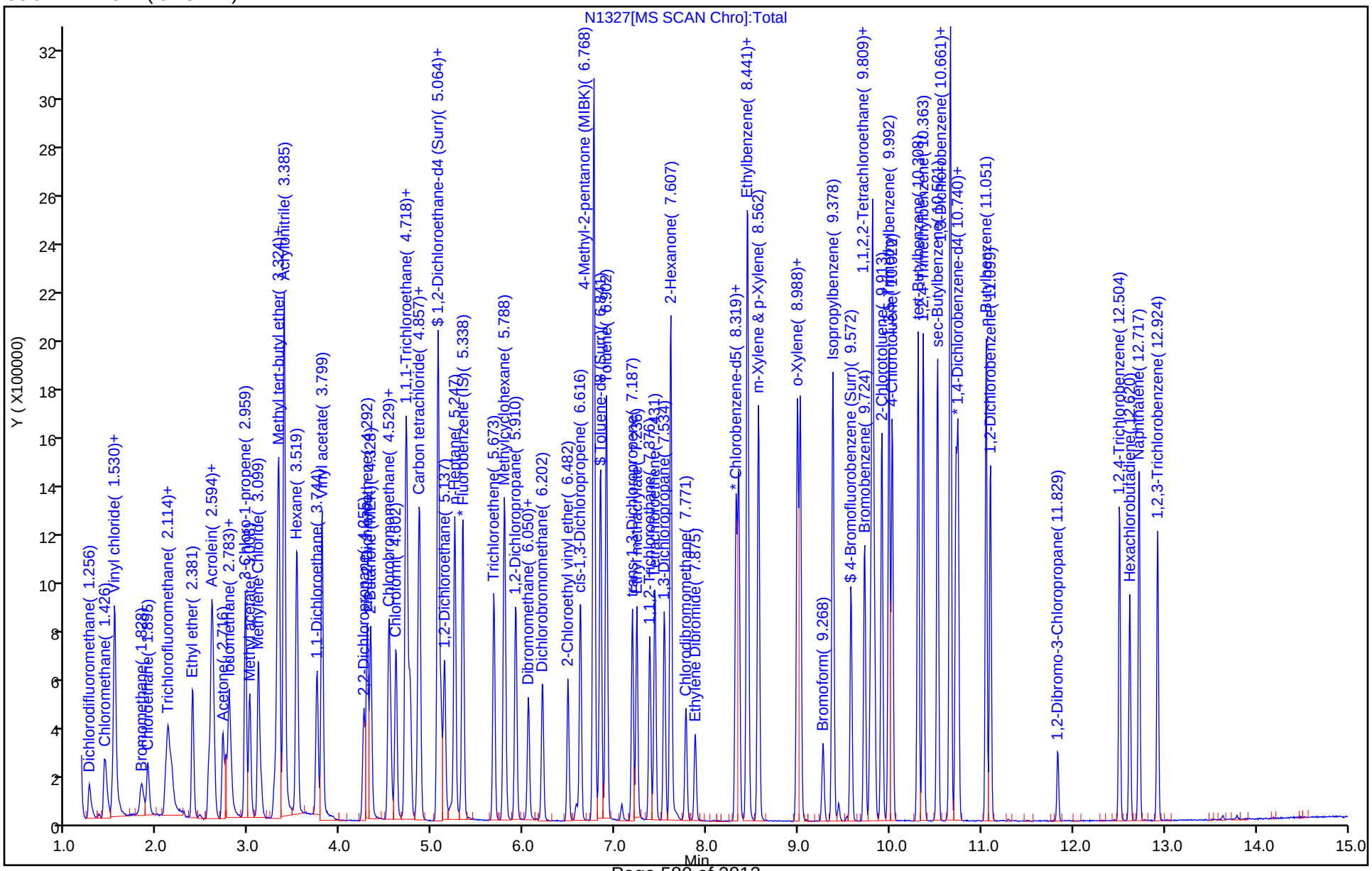
Lims ID: ICV Worklist Smp#: 30

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 33

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

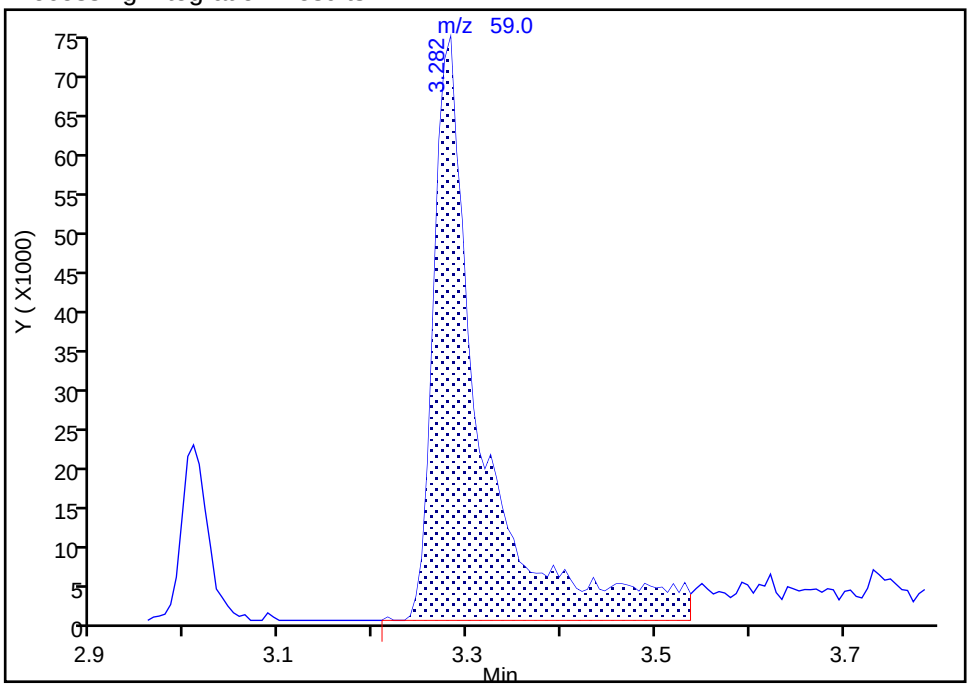
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1327.D				
Injection Date:	03-Feb-2022 23:53:30	Instrument ID:	HP5973N		
Lims ID:	ICV				
Client ID:					
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

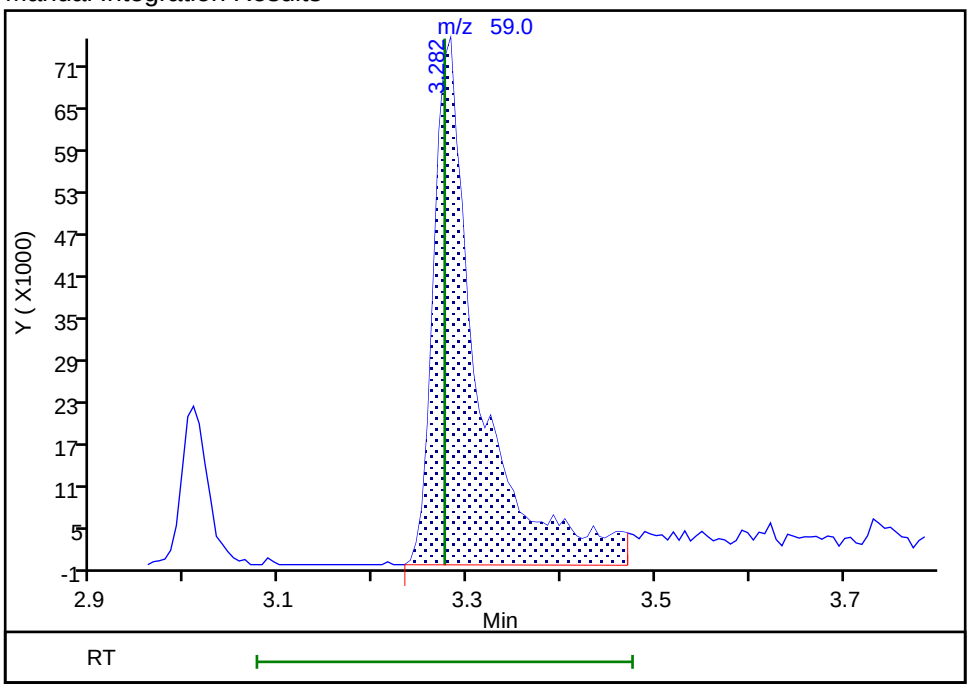
Processing Integration Results

RT: 3.28
Area: 263109
Amount: 247.2392
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 247279
Amount: 227.5286
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:15:03

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

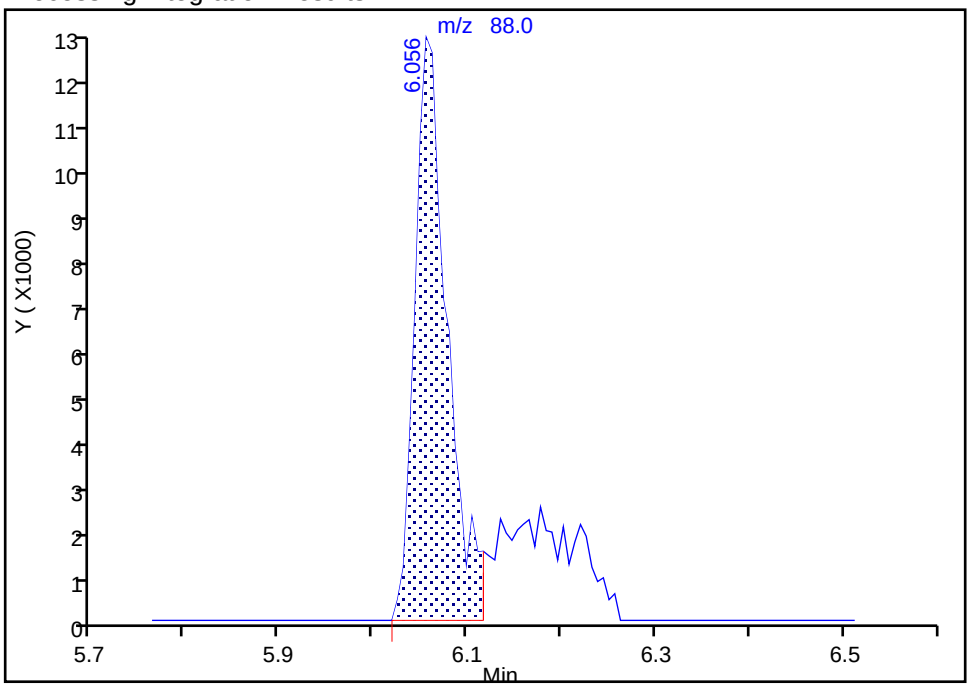
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1327.D				
Injection Date:	03-Feb-2022 23:53:30	Instrument ID:	HP5973N		
Lims ID:	ICV				
Client ID:					
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

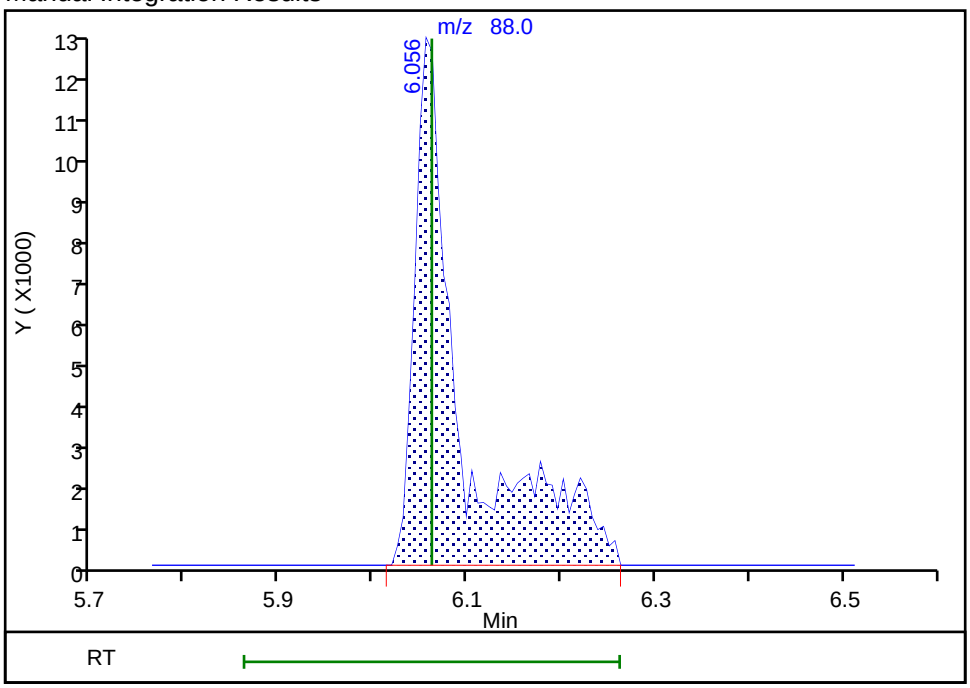
Processing Integration Results

RT: 6.06
Area: 29050
Amount: 358.3538
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 41998
Amount: 564.6807
Amount Units: ug/L



Reviewer: dahnw, 04-Feb-2022 11:15:16

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617050/3 Calibration Date: 03/08/2022 09:15

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1979.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	1.086	1.172	0.1000	27.0	25.0	7.9	50.0
Chloromethane	Ave	2.265	2.359	0.1000	26.0	25.0	4.1	20.0
Vinyl chloride	Ave	1.556	1.730	0.1000	27.8	25.0	11.2	20.0
Bromomethane	Ave	0.8553	0.8622	0.1000	25.2	25.0	0.8	50.0
Chloroethane	Ave	1.004	1.016	0.1000	25.3	25.0	1.2	50.0
Dichlorofluoromethane	Ave	2.068	2.119		25.6	25.0	2.5	20.0
Trichlorofluoromethane	Ave	1.530	1.705	0.1000	27.9	25.0	11.4	20.0
Ethyl ether	Ave	1.584	1.613		25.5	25.0	1.8	20.0
Acrolein	Lin1		0.1945		124	125	-1.1	50.0
1,1-Dichloroethene	Ave	1.104	1.008	0.1000	22.8	25.0	-8.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	0.9331	0.1000	20.3	25.0	-18.9	20.0
Acetone	Lin1		0.7143	0.1000	181	125	45.0	50.0
Iodomethane	Ave	1.966	1.892		24.1	25.0	-3.8	20.0
Carbon disulfide	Ave	3.479	3.402	0.1000	24.4	25.0	-2.2	20.0
Allyl chloride	Ave	3.436	3.270		23.8	25.0	-4.8	20.0
Methyl acetate	Ave	1.842	2.105	0.1000	57.1	50.0	14.3	50.0
Methylene Chloride	Lin1		1.317	0.1000	25.4	25.0	1.4	20.0
2-Methyl-2-propanol	Ave	0.1469	0.2132		363	250	45.1	50.0
Methyl tert-butyl ether	Ave	4.025	4.188	0.1000	26.0	25.0	4.1	20.0
trans-1,2-Dichloroethene	Ave	1.360	1.295	0.1000	23.8	25.0	-4.7	20.0
Acrylonitrile	Ave	0.8497	0.9624		283	250	13.3	20.0
Hexane	Ave	2.772	2.158		19.5	25.0	-22.1*	20.0
1,1-Dichloroethane	Ave	2.886	2.792	0.2000	24.2	25.0	-3.2	20.0
Vinyl acetate	Ave	4.737	5.333		56.3	50.0	12.6	20.0
2,2-Dichloropropane	Ave	1.404	1.415		25.2	25.0	0.8	20.0
cis-1,2-Dichloroethene	Ave	1.446	1.452	0.1000	25.1	25.0	0.4	20.0
2-Butanone (MEK)	Ave	1.074	1.378	0.1000	160	125	28.3*	20.0
Chlorobromomethane	Ave	0.7153	0.7316		25.6	25.0	2.3	20.0
Tetrahydrofuran	Ave	0.7745	0.8618		55.6	50.0	11.3	20.0
Chloroform	Ave	2.380	2.303	0.2000	24.2	25.0	-3.2	20.0
1,1,1-Trichloroethane	Ave	2.027	2.013	0.1000	24.8	25.0	-0.7	20.0
Cyclohexane	Ave	3.310	2.699	0.1000	20.4	25.0	-18.5	20.0
Carbon tetrachloride	Ave	1.745	1.703	0.1000	24.4	25.0	-2.4	20.0
1,1-Dichloropropene	Ave	1.864	1.796		24.1	25.0	-3.6	20.0
Benzene	Ave	5.520	5.499	0.5000	24.9	25.0	-0.4	20.0
Isobutyl alcohol	Ave	0.0788	0.0991		786	625	25.8	50.0
1,2-Dichloroethane	Ave	2.288	2.357	0.1000	25.7	25.0	3.0	20.0
n-Heptane	Ave	3.208	2.697		21.0	25.0	-15.9	20.0
Trichloroethene	Ave	1.370	1.390	0.2000	25.4	25.0	1.4	20.0
Methylcyclohexane	Ave	2.260	1.855	0.1000	20.5	25.0	-17.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617050/3 Calibration Date: 03/08/2022 09:15

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1979.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	1.645	1.643	0.1000	25.0	25.0	-0.1	20.0
Dibromomethane	Ave	0.8467	0.8975	0.1000	26.5	25.0	6.0	20.0
1,4-Dioxane	Ave	0.0027	0.0043		797	500	59.4*	50.0
Bromodichloromethane	Ave	1.632	1.697	0.2000	26.0	25.0	4.0	20.0
2-Chloroethyl vinyl ether	Ave	1.070	1.212		28.3	25.0	13.3	20.0
cis-1,3-Dichloropropene	Ave	2.177	2.267	0.2000	26.0	25.0	4.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2096	0.2435	0.1000	145	125	16.2	20.0
Toluene	Ave	0.9262	0.9057	0.4000	24.4	25.0	-2.2	20.0
trans-1,3-Dichloropropene	Ave	0.5328	0.5610	0.1000	26.3	25.0	5.3	20.0
Ethyl methacrylate	Ave	0.4593	0.4991		27.2	25.0	8.7	20.0
1,1,2-Trichloroethane	Ave	0.2666	0.2731	0.1000	25.6	25.0	2.4	20.0
Tetrachloroethene	Ave	0.3800	0.3696	0.2000	24.3	25.0	-2.7	20.0
1,3-Dichloropropane	Ave	0.5656	0.5764		25.5	25.0	1.9	20.0
2-Hexanone	Ave	0.4141	0.5048	0.1000	152	125	21.9*	20.0
Dibromochloromethane	Ave	0.3260	0.3482	0.1000	26.7	25.0	6.8	20.0
1,2-Dibromoethane	Ave	0.3488	0.3677		26.4	25.0	5.4	20.0
Chlorobenzene	Ave	0.999	0.9839	0.5000	24.6	25.0	-1.6	20.0
Ethylbenzene	Ave	1.708	1.735	0.1000	25.4	25.0	1.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3443	0.3608		26.2	25.0	4.8	20.0
m,p-Xylene	Ave	0.6543	0.6608	0.1000	25.2	25.0	1.0	20.0
o-Xylene	Ave	0.6391	0.6379	0.3000	25.0	25.0	-0.2	20.0
Styrene	Ave	1.109	1.121	0.3000	25.3	25.0	1.1	20.0
Bromoform	Ave	0.2115	0.2166	0.1000	25.6	25.0	2.4	50.0
Isopropylbenzene	Ave	3.568	3.579	0.1000	25.1	25.0	0.3	20.0
Bromobenzene	Ave	0.8770	0.8734		24.9	25.0	-0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9023	0.9593	0.3000	26.6	25.0	6.3	20.0
N-Propylbenzene	Ave	4.047	4.183		25.8	25.0	3.4	20.0
1,2,3-Trichloropropane	Ave	0.2963	0.3060		25.8	25.0	3.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4242	0.4304		25.4	25.0	1.5	50.0
2-Chlorotoluene	Ave	0.8104	0.8302		25.6	25.0	2.4	20.0
1,3,5-Trimethylbenzene	Ave	2.852	2.935		25.7	25.0	2.9	20.0
4-Chlorotoluene	Ave	2.603	2.628		25.2	25.0	1.0	20.0
tert-Butylbenzene	Ave	0.6241	0.6248		25.0	25.0	0.1	20.0
1,2,4-Trimethylbenzene	Ave	2.871	2.987		26.0	25.0	4.1	20.0
sec-Butylbenzene	Ave	3.643	3.748		25.7	25.0	2.9	20.0
1,3-Dichlorobenzene	Ave	1.624	1.688	0.6000	26.0	25.0	3.9	20.0
4-Isopropyltoluene	Ave	3.041	3.251		26.7	25.0	6.9	20.0
1,4-Dichlorobenzene	Ave	1.688	1.693	0.5000	25.1	25.0	0.3	20.0
n-Butylbenzene	Ave	2.665	2.851		26.7	25.0	7.0	20.0
1,2-Dichlorobenzene	Ave	1.595	1.613	0.4000	25.3	25.0	1.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1590	0.1804	0.0500	28.4	25.0	13.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617050/3 Calibration Date: 03/08/2022 09:15

Instrument ID: HP5973N Calib Start Date: 02/03/2022 15:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/03/2022 18:34

Lab File ID: N1979.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	1.028	1.172	0.2000	28.5	25.0	14.0	20.0
Hexachlorobutadiene	Ave	0.4852	0.5177		26.7	25.0	6.7	20.0
Naphthalene	Ave	2.959	3.486		29.4	25.0	17.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9612	1.112		28.9	25.0	15.7	20.0
Dibromofluoromethane (Surr)	Ave	1.107	1.121		25.3	25.0	1.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.505	1.449		24.1	25.0	-3.7	20.0
Toluene-d8 (Surr)	Ave	1.187	1.050		22.1	25.0	-11.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3595	0.3556		24.7	25.0	-1.1	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Mar-2022 09:15:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0104250-003
Operator ID: AG/OI Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Mar-2022 09:40:42 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: izquierdoo Date: 08-Mar-2022 09:40:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	189380	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	87	720815	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	346633	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	212208	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	58	274426	25.0	24.1	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	756615	25.0	22.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	256294	25.0	24.7	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	222034	25.0	27.0	
13 Chloromethane	50	1.420	1.420	0.000	99	446668	25.0	26.0	
14 Vinyl chloride	62	1.511	1.511	0.000	98	327576	25.0	27.8	
144 Butadiene	54	1.536	1.536	0.000	94	347468	25.0	25.4	
15 Bromomethane	94	1.816	1.816	0.000	92	163292	25.0	25.2	
16 Chloroethane	64	1.895	1.895	0.000	96	192444	25.0	25.3	
17 Dichlorofluoromethane	67	2.114	2.114	0.000	98	401319	25.0	25.6	
18 Trichlorofluoromethane	101	2.120	2.120	0.000	94	322868	25.0	27.9	
19 Ethyl ether	59	2.381	2.381	0.000	96	305425	25.0	25.5	
20 Acrolein	56	2.558	2.558	0.000	99	184171	125.0	123.7	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	190915	25.0	22.8	
21 112TCTFE	101	2.600	2.600	0.000	64	176712	25.0	20.3	
23 Acetone	43	2.716	2.716	0.000	99	676393	125.0	181.3	
24 Iodomethane	142	2.752	2.752	0.000	99	358360	25.0	24.1	
25 Carbon disulfide	76	2.789	2.789	0.000	99	644279	25.0	24.4	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	88	619221	25.0	23.8	
28 Methyl acetate	43	3.008	3.008	0.000	100	797215	50.0	57.1	
30 Methylene Chloride	84	3.105	3.105	0.000	91	249319	25.0	25.4	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	99	403775	250.0	362.8	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	98	793178	25.0	26.0	
33 trans-1,2-Dichloroethene	96	3.330	3.330	0.000	92	245339	25.0	23.8	
34 Acrylonitrile	53	3.385	3.385	0.000	98	1822623	250.0	283.2	
35 Hexane	57	3.525	3.525	0.000	97	408668	25.0	19.5	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	97	528805	25.0	24.2	
39 Vinyl acetate	43	3.799	3.799	0.000	96	2019829	50.0	56.3	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	87	267955	25.0	25.2	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	84	274905	25.0	25.1	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	1304915	125.0	160.3	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	138544	25.0	25.6	
49 Tetrahydrofuran	42	4.541	4.541	0.000	94	326433	50.0	55.6	
50 Chloroform	83	4.608	4.608	0.000	96	436184	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	98	381271	25.0	24.8	
52 Cyclohexane	56	4.717	4.717	0.000	94	511042	25.0	20.4	
53 Carbon tetrachloride	117	4.851	4.851	0.000	96	322521	25.0	24.4	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	88	340108	25.0	24.1	
55 Benzene	78	5.064	5.064	0.000	93	1041370	25.0	24.9	
56 Isobutyl alcohol	43	5.095	5.095	0.000	93	469240	625.0	786.2	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	446281	25.0	25.7	
59 n-Heptane	43	5.247	5.247	0.000	97	510697	25.0	21.0	
60 Trichloroethene	95	5.673	5.673	0.000	96	263225	25.0	25.4	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	351333	25.0	20.5	
63 1,2-Dichloropropane	63	5.916	5.916	0.000	91	311171	25.0	25.0	
64 Dibromomethane	93	6.050	6.050	0.000	96	169974	25.0	26.5	
66 1,4-Dioxane	88	6.062	6.062	0.000	35	61429	500.0	797.2	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	321306	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	87	229558	25.0	28.3	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	88	429388	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	877707	125.0	145.2	
73 Toluene	92	6.901	6.901	0.000	97	652839	25.0	24.4	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	96	404355	25.0	26.3	
77 Ethyl methacrylate	69	7.236	7.236	0.000	93	359781	25.0	27.2	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	93	196824	25.0	25.6	
79 Tetrachloroethene	166	7.431	7.431	0.000	96	266418	25.0	24.3	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	94	415467	25.0	25.5	
82 2-Hexanone	43	7.607	7.607	0.000	99	1819246	125.0	152.4	M
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	251016	25.0	26.7	
84 Ethylene Dibromide	107	7.875	7.875	0.000	97	265040	25.0	26.4	
85 Chlorobenzene	112	8.349	8.349	0.000	92	709226	25.0	24.6	
88 Ethylbenzene	91	8.441	8.441	0.000	99	1250658	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	94	260073	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	476345	25.0	25.2	
91 o-Xylene	106	8.988	8.988	0.000	97	459833	25.0	25.0	
92 Styrene	104	9.019	9.019	0.000	95	807983	25.0	25.3	
93 Bromoform	173	9.268	9.268	0.000	95	156147	25.0	25.6	
95 Isopropylbenzene	105	9.377	9.377	0.000	97	1240599	25.0	25.1	
97 Bromobenzene	156	9.724	9.724	0.000	93	302743	25.0	24.9	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	93	332520	25.0	26.6	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1450066	25.0	25.8	
99 1,2,3-Trichloropropane	110	9.822	9.822	0.000	90	106076	25.0	25.8	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	78	149200	25.0	25.4	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	287767	25.0	25.6	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	1017304	25.0	25.7	
105 4-Chlorotoluene	91	10.022	10.022	0.000	98	911060	25.0	25.2	
106 tert-Butylbenzene	134	10.308	10.308	0.000	96	216579	25.0	25.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1035458	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1299110	25.0	25.7	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	585019	25.0	26.0	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	1126775	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	93	586888	25.0	25.1	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	988284	25.0	26.7	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	97	559008	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.829	0.000	79	62547	25.0	28.4	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.000	94	406322	25.0	28.5	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	97	179437	25.0	26.7	
121 Naphthalene	128	12.723	12.723	0.000	97	1208230	25.0	29.4	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	385515	25.0	28.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

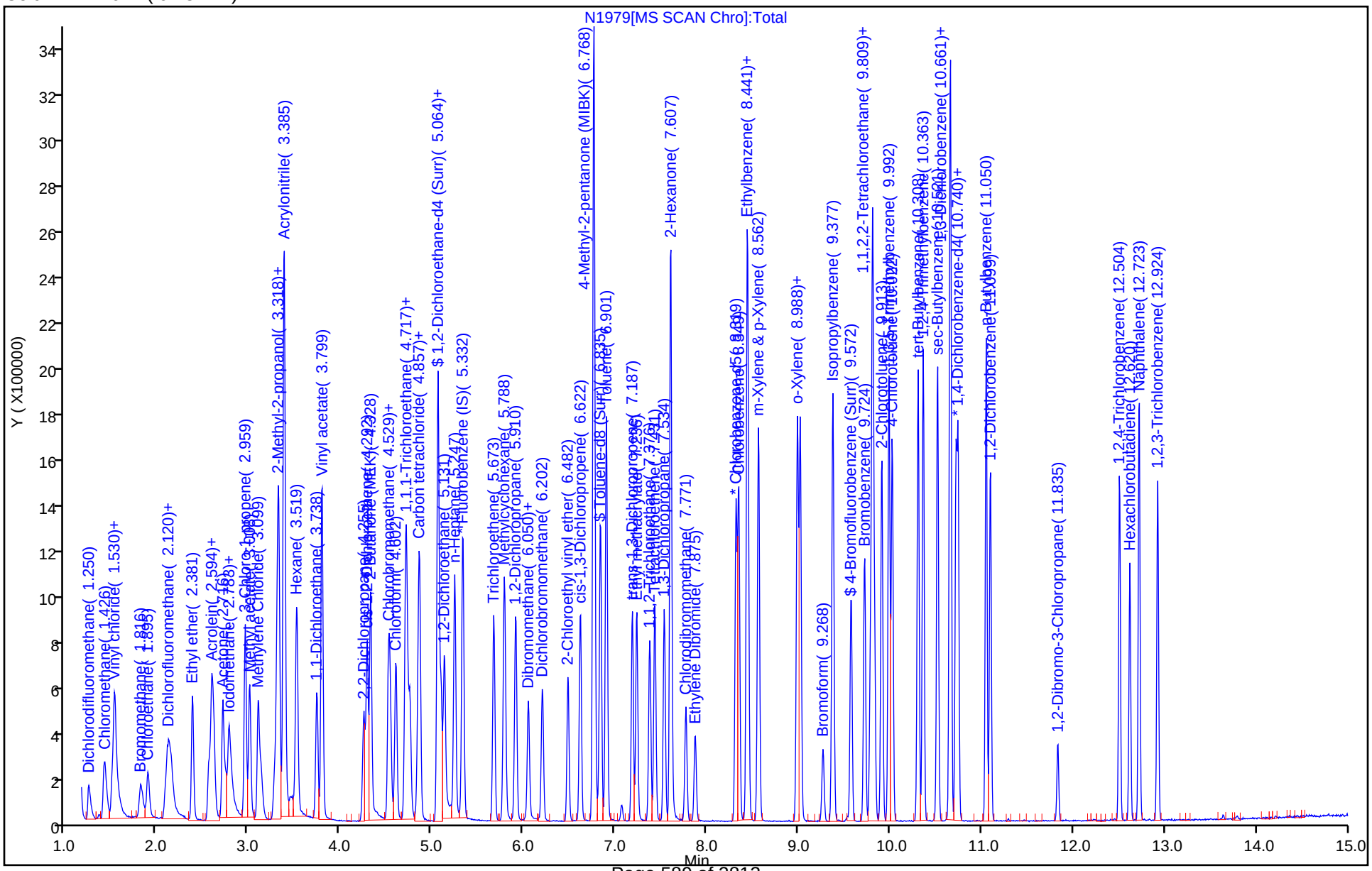
8260 CORP mix_00220	Amount Added: 12.50	Units: uL	
GAS CORP mix_00499	Amount Added: 12.50	Units: uL	
N 8260 IS_00227	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 08-Mar-2022 09:40:42 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D				
Injection Date:	08-Mar-2022 09:15:30	Instrument ID:	HP5973N	Operator ID:	AG/OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

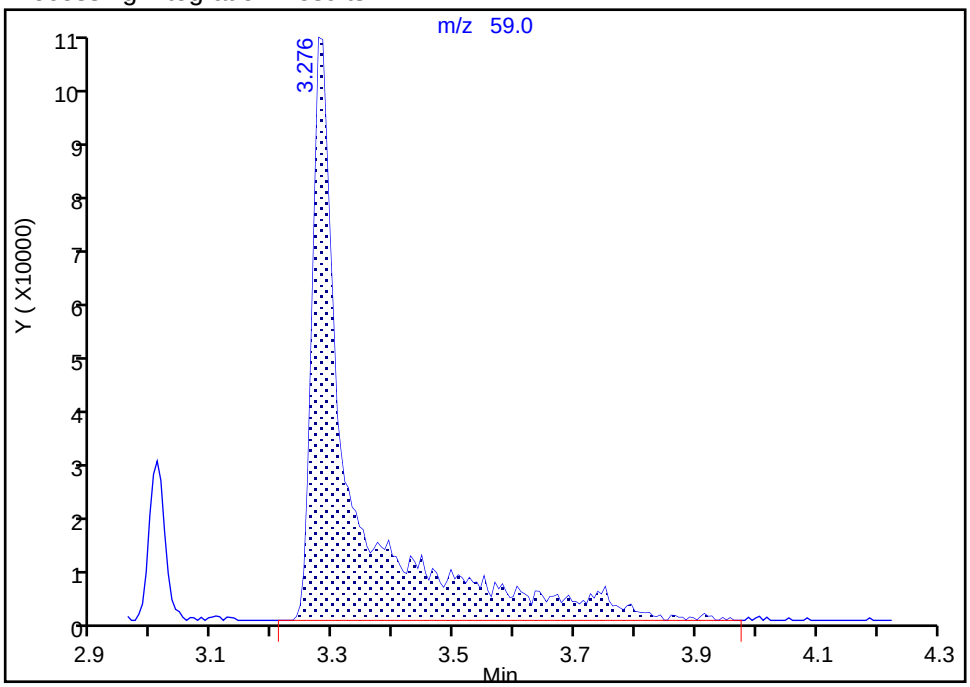
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D				
Injection Date:	08-Mar-2022 09:15:30	Instrument ID:	HP5973N		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	AG/OI	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

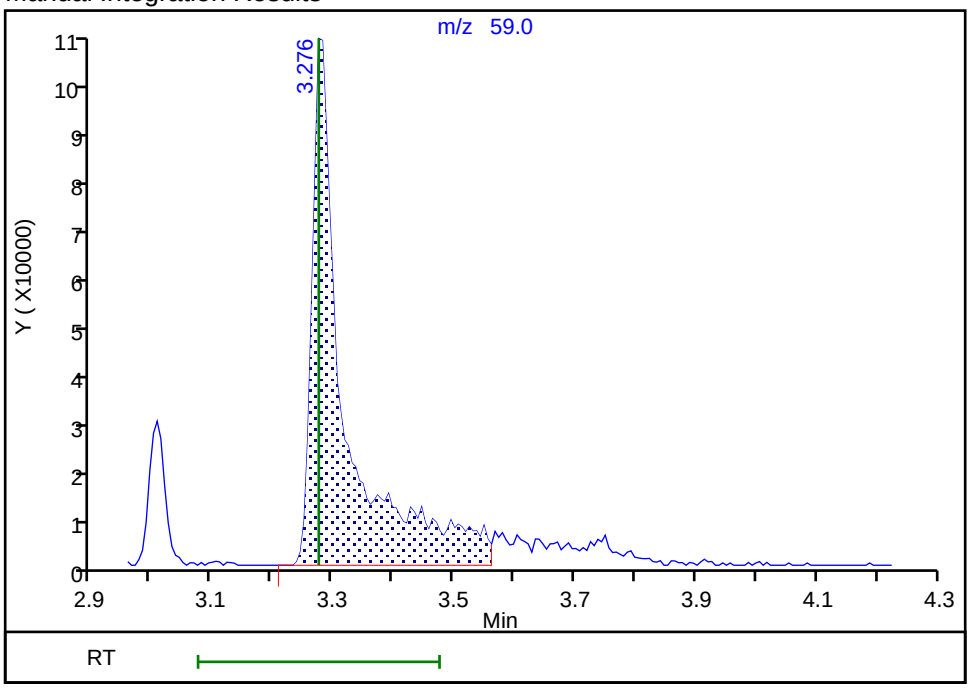
Processing Integration Results

RT: 3.28
Area: 467440
Amount: 420.0099
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 403775
Amount: 362.8049
Amount Units: ug/L



Reviewer: izquierdoo, 08-Mar-2022 09:37:58

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

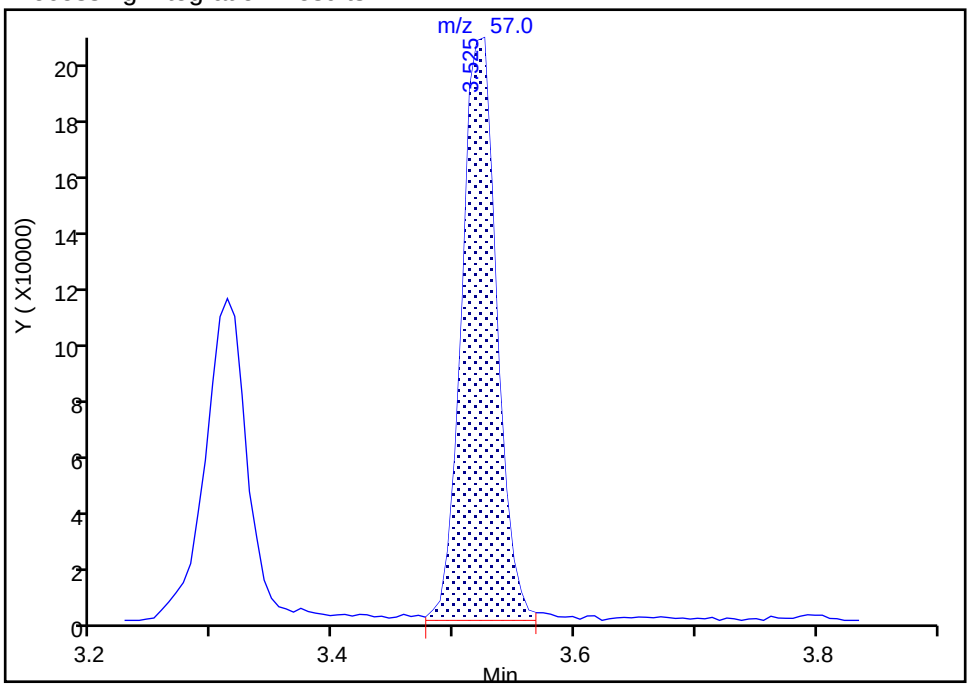
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D				
Injection Date:	08-Mar-2022 09:15:30	Instrument ID:	HP5973N		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	AG/OI	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

35 Hexane, CAS: 110-54-3

Signal: 1

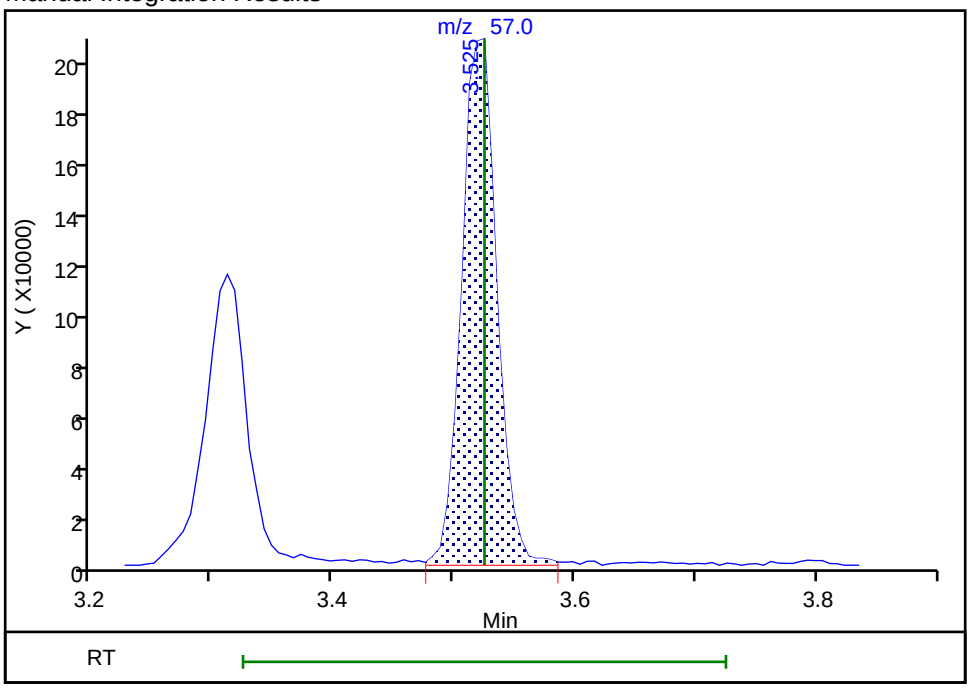
Processing Integration Results

RT: 3.53
Area: 406464
Amount: 19.357618
Amount Units: ug/L



Manual Integration Results

RT: 3.53
Area: 408668
Amount: 19.462582
Amount Units: ug/L



Reviewer: izquierdoo, 08-Mar-2022 09:38:24

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Buffalo

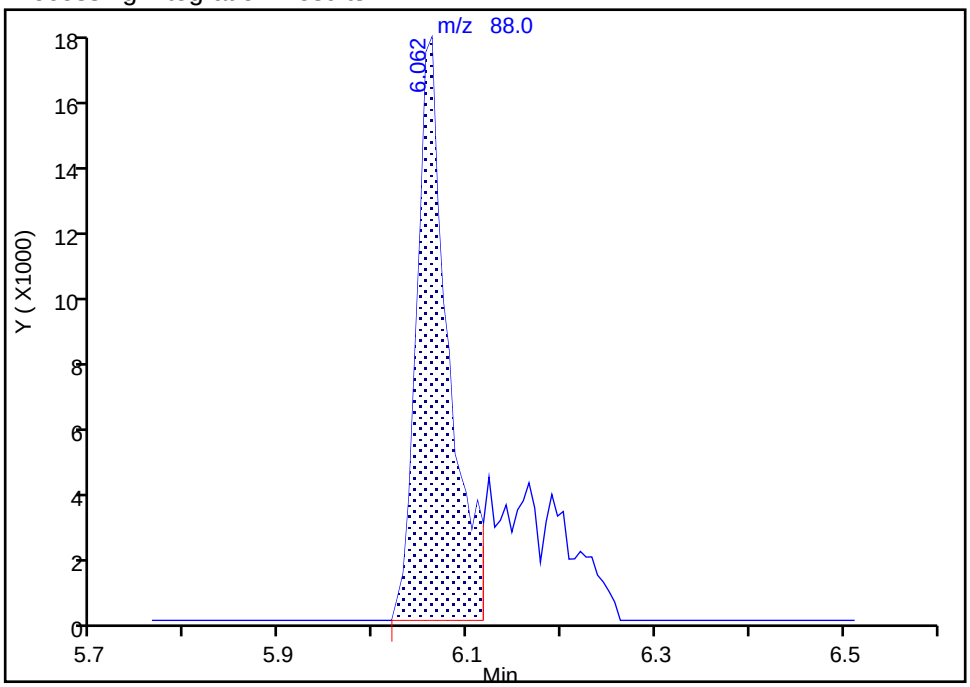
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D				
Injection Date:	08-Mar-2022 09:15:30	Instrument ID:	HP5973N		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	AG/OI	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

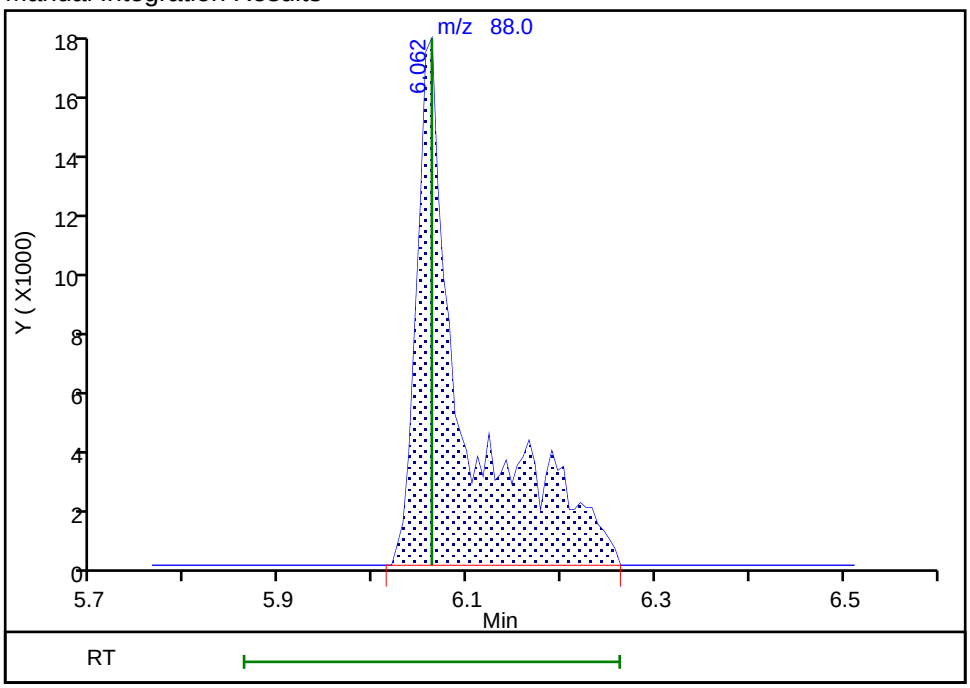
Processing Integration Results

RT: 6.06
Area: 40299
Amount: 522.9910
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 61429
Amount: 797.2112
Amount Units: ug/L



Reviewer: izquierdoo, 08-Mar-2022 09:40:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

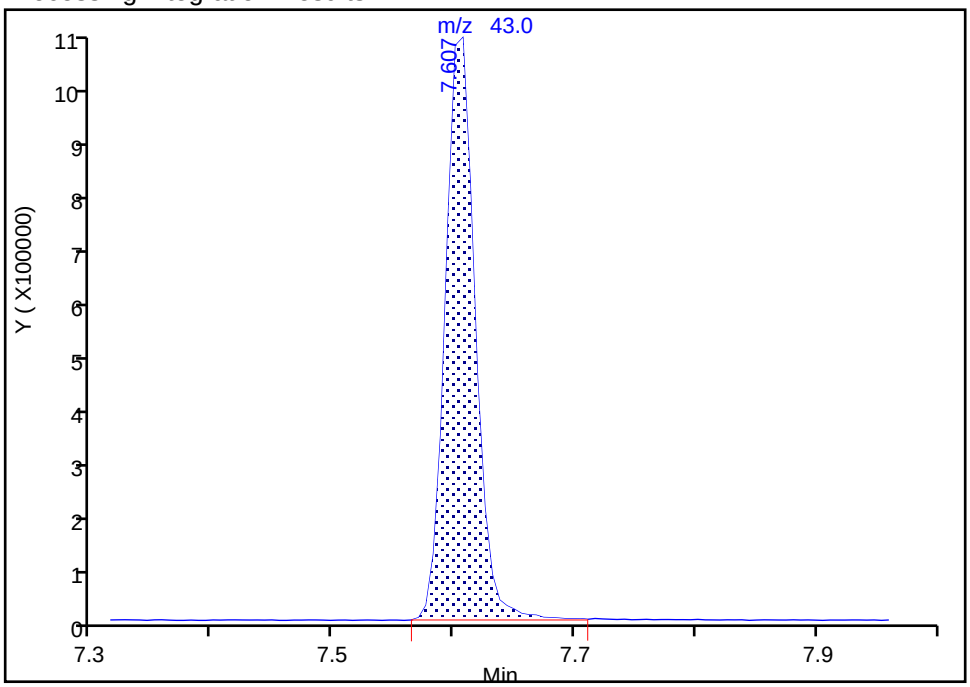
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1979.D				
Injection Date:	08-Mar-2022 09:15:30	Instrument ID:	HP5973N		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	AG/OI	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

82 2-Hexanone, CAS: 591-78-6

Signal: 1

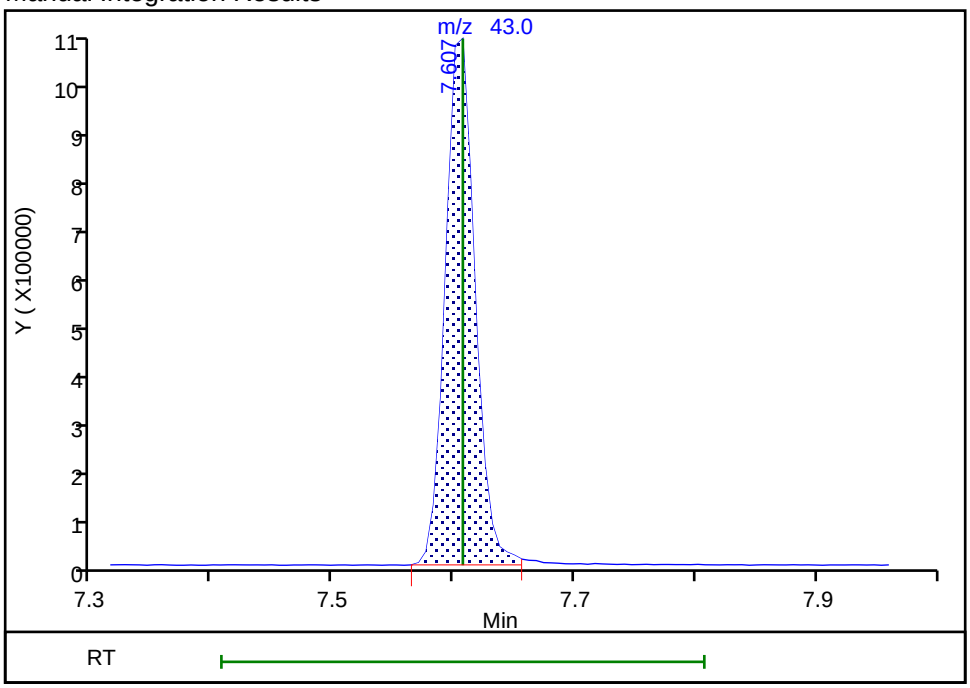
Processing Integration Results

RT: 7.61
Area: 1833063
Amount: 153.5382
Amount Units: ug/L



Manual Integration Results

RT: 7.61
Area: 1819246
Amount: 152.3809
Amount Units: ug/L



Reviewer: izquierdoo, 08-Mar-2022 09:39:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-616002/34 Calibration Date: 02/25/2022 03:24

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8667.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	2.031	1.603	0.1000	19.7	25.0	-21.1	50.0
Chloromethane	Ave	2.570	2.123	0.1000	20.7	25.0	-17.4	30.0
Vinyl chloride	Ave	2.337	1.933	0.1000	20.7	25.0	-17.3	30.0
Butadiene	Ave	2.237	1.772		19.8	25.0	-20.8	30.0
Bromomethane	Ave	1.635	1.221	0.1000	18.7	25.0	-25.3	50.0
Chloroethane	Ave	1.573	1.322	0.1000	21.0	25.0	-16.0	50.0
Dichlorofluoromethane	Ave	3.380	2.965		21.9	25.0	-12.3	30.0
Trichlorofluoromethane	Ave	2.959	2.611	0.1000	22.1	25.0	-11.7	30.0
Ethyl ether	Ave	1.964	1.879		23.9	25.0	-4.3	30.0
Acrolein	Ave	0.2545	0.2243		110	125	-11.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.579	1.514	0.1000	24.0	25.0	-4.1	30.0
1,1-Dichloroethene	Ave	1.539	1.433	0.1000	23.3	25.0	-6.9	30.0
Acetone	Ave	0.9351	0.8201	0.1000	110	125	-12.3	50.0
Iodomethane	Ave	2.914	2.759		23.7	25.0	-5.3	30.0
Carbon disulfide	Ave	4.871	4.652	0.1000	23.9	25.0	-4.5	30.0
Allyl chloride	Ave	2.928	2.743		23.4	25.0	-6.3	30.0
Methyl acetate	Ave	1.913	1.830	0.1000	47.8	50.0	-4.3	50.0
Methylene Chloride	Lin1		1.719	0.1000	23.1	25.0	-7.8	30.0
2-Methyl-2-propanol	Ave	0.1639	0.1682		256	250	2.6	50.0
Methyl tert-butyl ether	Ave	5.159	5.204	0.1000	25.2	25.0	0.9	30.0
trans-1,2-Dichloroethene	Ave	1.749	1.629	0.1000	23.3	25.0	-6.8	30.0
Acrylonitrile	Ave	1.004	0.9833		245	250	-2.0	30.0
Hexane	Ave	2.700	2.457		22.7	25.0	-9.0	30.0
1,1-Dichloroethane	Ave	3.412	3.087	0.2000	22.6	25.0	-9.5	30.0
Vinyl acetate	Ave	3.459	3.822		55.2	50.0	10.5	30.0
2,2-Dichloropropane	Ave	0.9898	0.9175		23.2	25.0	-7.3	30.0
cis-1,2-Dichloroethene	Ave	1.885	1.815	0.1000	24.1	25.0	-3.7	30.0
2-Butanone (MEK)	Ave	1.185	1.184	0.1000	125	125	-0.0	30.0
Chlorobromomethane	Ave	1.063	0.9827		23.1	25.0	-7.5	30.0
Tetrahydrofuran	Ave	0.8083	0.8063		49.9	50.0	-0.3	30.0
Chloroform	Ave	3.246	2.942	0.2000	22.7	25.0	-9.4	30.0
1,1,1-Trichloroethane	Ave	2.163	2.096	0.1000	24.2	25.0	-3.1	30.0
Cyclohexane	Ave	3.261	3.245	0.1000	24.9	25.0	-0.5	30.0
Carbon tetrachloride	Ave	1.675	1.581	0.1000	23.6	25.0	-5.6	30.0
1,1-Dichloropropene	Ave	2.312	2.255		24.4	25.0	-2.5	30.0
Benzene	Ave	7.065	6.817	0.5000	24.1	25.0	-3.5	30.0
Isobutyl alcohol	Ave	0.0678	0.0813		749	625	19.8	50.0
1,2-Dichloroethane	Ave	3.027	2.818	0.1000	23.3	25.0	-6.9	30.0
n-Heptane	Ave	2.865	2.702		23.6	25.0	-5.7	30.0
Trichloroethene	Ave	1.759	1.687	0.2000	24.0	25.0	-4.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-616002/34 Calibration Date: 02/25/2022 03:24

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8667.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
Methylcyclohexane	Ave	2.866	2.775	0.1000	24.2	25.0	-3.2	30.0
1,2-Dichloropropane	Ave	1.783	1.745	0.1000	24.5	25.0	-2.2	30.0
Dibromomethane	Ave	1.182	1.112	0.1000	23.5	25.0	-5.9	30.0
1,4-Dioxane	Ave	0.0124	0.0120		485	500	-3.0	50.0
Bromodichloromethane	Ave	2.005	1.968	0.2000	24.5	25.0	-1.9	30.0
2-Chloroethyl vinyl ether	Ave	0.9724	1.126		28.9	25.0	15.8	30.0
cis-1,3-Dichloropropene	Ave	2.074	2.164	0.2000	26.1	25.0	4.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.166	1.203	0.1000	129	125	3.2	30.0
Toluene	Ave	2.236	2.070	0.4000	23.1	25.0	-7.4	30.0
trans-1,3-Dichloropropene	Ave	0.7794	0.9121	0.1000	29.3	25.0	17.0	30.0
Ethyl methacrylate	Lin1		0.8993		25.3	25.0	1.2	30.0
1,1,2-Trichloroethane	Ave	0.6460	0.6394	0.1000	24.7	25.0	-1.0	30.0
Tetrachloroethene	Ave	1.027	0.9907	0.2000	24.1	25.0	-3.5	30.0
1,3-Dichloropropane	Ave	1.384	1.332		24.1	25.0	-3.7	30.0
2-Hexanone	Ave	0.7335	0.8069	0.1000	138	125	10.0	30.0
Dibromochloromethane	Ave	0.6931	0.6776	0.1000	24.4	25.0	-2.2	30.0
1,2-Dibromoethane	Ave	0.7015	0.7454		26.6	25.0	6.3	30.0
Chlorobenzene	Ave	2.576	2.420	0.5000	23.5	25.0	-6.0	30.0
Ethylbenzene	Ave	3.943	3.823	0.1000	24.2	25.0	-3.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6696	0.6666		24.9	25.0	-0.5	30.0
m,p-Xylene	Ave	1.545	1.559	0.1000	25.2	25.0	1.0	30.0
o-Xylene	Ave	1.552	1.564	0.3000	25.2	25.0	0.8	30.0
Styrene	Ave	2.476	2.473	0.3000	25.0	25.0	-0.1	30.0
Bromoform	Ave	0.4345	0.4142	0.1000	23.8	25.0	-4.7	50.0
Isopropylbenzene	Ave	3.872	3.782	0.1000	24.4	25.0	-2.3	30.0
Bromobenzene	Ave	1.051	0.9892		23.5	25.0	-5.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9931	0.9879	0.3000	24.9	25.0	-0.5	30.0
N-Propylbenzene	Ave	4.270	4.203		24.6	25.0	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.3620	0.3526		24.4	25.0	-2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3323	0.2994		22.5	25.0	-9.9	50.0
2-Chlorotoluene	Ave	0.9323	0.9144		24.5	25.0	-1.9	30.0
1,3,5-Trimethylbenzene	Ave	3.237	3.185		24.6	25.0	-1.6	30.0
4-Chlorotoluene	Ave	0.9608	0.9205		24.0	25.0	-4.2	30.0
tert-Butylbenzene	Ave	0.7501	0.7633		25.4	25.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	3.299	3.328		25.2	25.0	0.9	30.0
sec-Butylbenzene	Ave	4.149	4.135		24.9	25.0	-0.3	30.0
1,3-Dichlorobenzene	Ave	2.013	1.891	0.6000	23.5	25.0	-6.1	30.0
4-Isopropyltoluene	Ave	3.627	3.647		25.1	25.0	0.5	30.0
1,4-Dichlorobenzene	Ave	2.109	1.978	0.5000	23.5	25.0	-6.2	30.0
n-Butylbenzene	Ave	3.076	3.015		24.5	25.0	-2.0	30.0
1,2-Dichlorobenzene	Ave	1.990	1.928	0.4000	24.2	25.0	-3.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-616002/34 Calibration Date: 02/25/2022 03:24

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8667.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1369	0.1397	0.0500	25.5	25.0	2.0	50.0
1,2,4-Trichlorobenzene	Ave	1.477	1.407	0.2000	23.8	25.0	-4.7	30.0
Hexachlorobutadiene	Ave	0.6817	0.6787		24.9	25.0	-0.4	30.0
Naphthalene	Ave	3.771	3.861		25.6	25.0	2.4	30.0
1,2,3-Trichlorobenzene	Ave	1.482	1.411		23.8	25.0	-4.8	30.0
Dibromofluoromethane (Surr)	Ave	1.415	1.394		24.6	25.0	-1.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9107	0.9143		25.1	25.0	0.4	30.0
Toluene-d8 (Surr)	Ave	2.635	2.616		24.8	25.0	-0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8401	0.8720		26.0	25.0	3.8	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 25-Feb-2022 03:24:30 ALS Bottle#: 34 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0104096-034
Operator ID: AG/LH Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:35:34 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: gruninga Date: 25-Feb-2022 14:32:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	198855	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	398143	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	56	434572	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	55	277282	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	52	181808	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	57	1041444	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	94	347191	25.0	26.0	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	98	318676	25.0	19.7	
12 Chloromethane	50	1.181	1.181	0.000	89	422177	25.0	20.7	
13 Vinyl chloride	62	1.247	1.254	-0.007	79	384354	25.0	20.7	
151 Butadiene	54	1.272	1.272	0.000	77	352297	25.0	19.8	
14 Bromomethane	94	1.515	1.515	0.000	89	242878	25.0	18.7	
15 Chloroethane	64	1.570	1.576	-0.006	98	262871	25.0	21.0	
17 Trichlorofluoromethane	101	1.765	1.759	0.006	57	519278	25.0	22.1	
16 Dichlorofluoromethane	67	1.765	1.771	-0.006	81	589547	25.0	21.9	
18 Ethyl ether	59	1.996	1.996	0.000	95	373685	25.0	23.9	
20 Acrolein	56	2.160	2.166	-0.006	96	223017	125.0	110.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.190	2.197	-0.007	72	301133	25.0	24.0	
22 1,1-Dichloroethene	96	2.203	2.209	-0.006	86	284912	25.0	23.3	
23 Acetone	43	2.306	2.312	-0.006	98	815367	125.0	109.6	
25 Iodomethane	142	2.361	2.361	0.000	97	548579	25.0	23.7	
26 Carbon disulfide	76	2.385	2.385	0.000	99	925049	25.0	23.9	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	84	545362	25.0	23.4	
27 Methyl acetate	43	2.586	2.592	-0.006	96	727903	50.0	47.8	
30 Methylene Chloride	84	2.683	2.677	0.006	97	341764	25.0	23.1	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	65	334452	250.0	256.5	
32 Methyl tert-butyl ether	73	2.878	2.884	-0.006	92	1034786	25.0	25.2	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	84	324017	25.0	23.3	
33 Acrylonitrile	53	2.957	2.957	0.000	99	1955390	250.0	244.9	
35 Hexane	57	3.079	3.079	0.000	95	488620	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	86	613885	25.0	22.6	
37 Vinyl acetate	43	3.358	3.359	-0.001	97	1519944	50.0	55.2	
44 2,2-Dichloropropane	77	3.796	3.797	-0.001	83	182452	25.0	23.2	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	72	360971	25.0	24.1	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	1177366	125.0	124.9	
48 Chlorobromomethane	128	4.064	4.064	0.000	92	195414	25.0	23.1	
49 Tetrahydrofuran	42	4.082	4.083	-0.001	89	320676	50.0	49.9	
50 Chloroform	83	4.149	4.149	0.000	83	585058	25.0	22.7	
52 Cyclohexane	56	4.247	4.247	0.000	94	645191	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.241	4.247	-0.006	80	416772	25.0	24.2	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	79	314410	25.0	23.6	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	89	448360	25.0	24.4	
57 Benzene	78	4.593	4.594	-0.001	97	1355587	25.0	24.1	
53 Isobutyl alcohol	43	4.654	4.661	-0.007	59	403944	625.0	748.7	
58 1,2-Dichloroethane	62	4.666	4.667	-0.001	73	560305	25.0	23.3	
59 n-Heptane	43	4.782	4.782	0.000	93	537276	25.0	23.6	
62 Trichloroethene	95	5.202	5.202	0.000	92	335535	25.0	24.0	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	551862	25.0	24.2	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	88	346956	25.0	24.5	
67 Dibromomethane	93	5.573	5.573	0.000	86	221096	25.0	23.5	
66 1,4-Dioxane	88	5.591	5.591	0.000	63	95803	500.0	485.0	
68 Dichlorobromomethane	83	5.731	5.731	0.000	96	391284	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	93	223828	25.0	28.9	
72 cis-1,3-Dichloropropene	75	6.145	6.151	-0.006	87	430312	25.0	26.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	2395417	125.0	129.0	
74 Toluene	92	6.425	6.425	0.000	94	824054	25.0	23.1	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	94	363153	25.0	29.3	
75 Ethyl methacrylate	69	6.771	6.778	-0.007	74	358068	25.0	25.3	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	89	254559	25.0	24.7	
81 Tetrachloroethene	166	6.942	6.942	0.000	90	394451	25.0	24.1	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	96	530390	25.0	24.1	
80 2-Hexanone	43	7.136	7.137	-0.001	98	1606267	125.0	137.5	
83 Chlorodibromomethane	129	7.282	7.289	-0.007	87	269769	25.0	24.4	
84 Ethylene Dibromide	107	7.380	7.380	0.000	96	296787	25.0	26.6	
87 Chlorobenzene	112	7.854	7.854	0.000	94	963634	25.0	23.5	
88 Ethylbenzene	91	7.952	7.952	0.000	98	1522172	25.0	24.2	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	42	265393	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	98	620839	25.0	25.2	
91 o-Xylene	106	8.493	8.493	0.000	97	622557	25.0	25.2	
92 Styrene	104	8.523	8.530	-0.007	90	984774	25.0	25.0	
95 Bromoform	173	8.767	8.767	0.000	94	164923	25.0	23.8	
94 Isopropylbenzene	105	8.882	8.876	0.006	95	1643722	25.0	24.4	
101 Bromobenzene	156	9.223	9.223	0.000	92	429894	25.0	23.5	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.314	-0.006	69	429306	25.0	24.9	
99 N-Propylbenzene	91	9.320	9.321	-0.001	98	1826340	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.333	9.333	0.000	57	153235	25.0	24.4	
98 trans-1,4-Dichloro-2-butene	53	9.357	9.357	0.000	79	130129	25.0	22.5	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	397352	25.0	24.5	a
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	94	1383986	25.0	24.6	
105 4-Chlorotoluene	126	9.545	9.546	-0.001	98	400008	25.0	24.0	a
106 tert-Butylbenzene	134	9.844	9.844	0.000	91	331706	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	64	1446057	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	1796918	25.0	24.9	
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	97	821884	25.0	23.5	a
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	1584715	25.0	25.1	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	94	859735	25.0	23.5	a
115 n-Butylbenzene	91	10.610	10.610	0.000	95	1310338	25.0	24.5	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	96	837825	25.0	24.2	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	73	60713	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	12.076	12.070	0.006	93	611456	25.0	23.8	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	96	294927	25.0	24.9	
121 Naphthalene	128	12.283	12.283	0.000	97	1677670	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	94	613053	25.0	23.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SS GAS CORP_00446	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00098	Amount Added: 12.50	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00413	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:36:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D

Injection Date: 25-Feb-2022 03:24:30 Instrument ID: HP5973S Operator ID: AG/LH

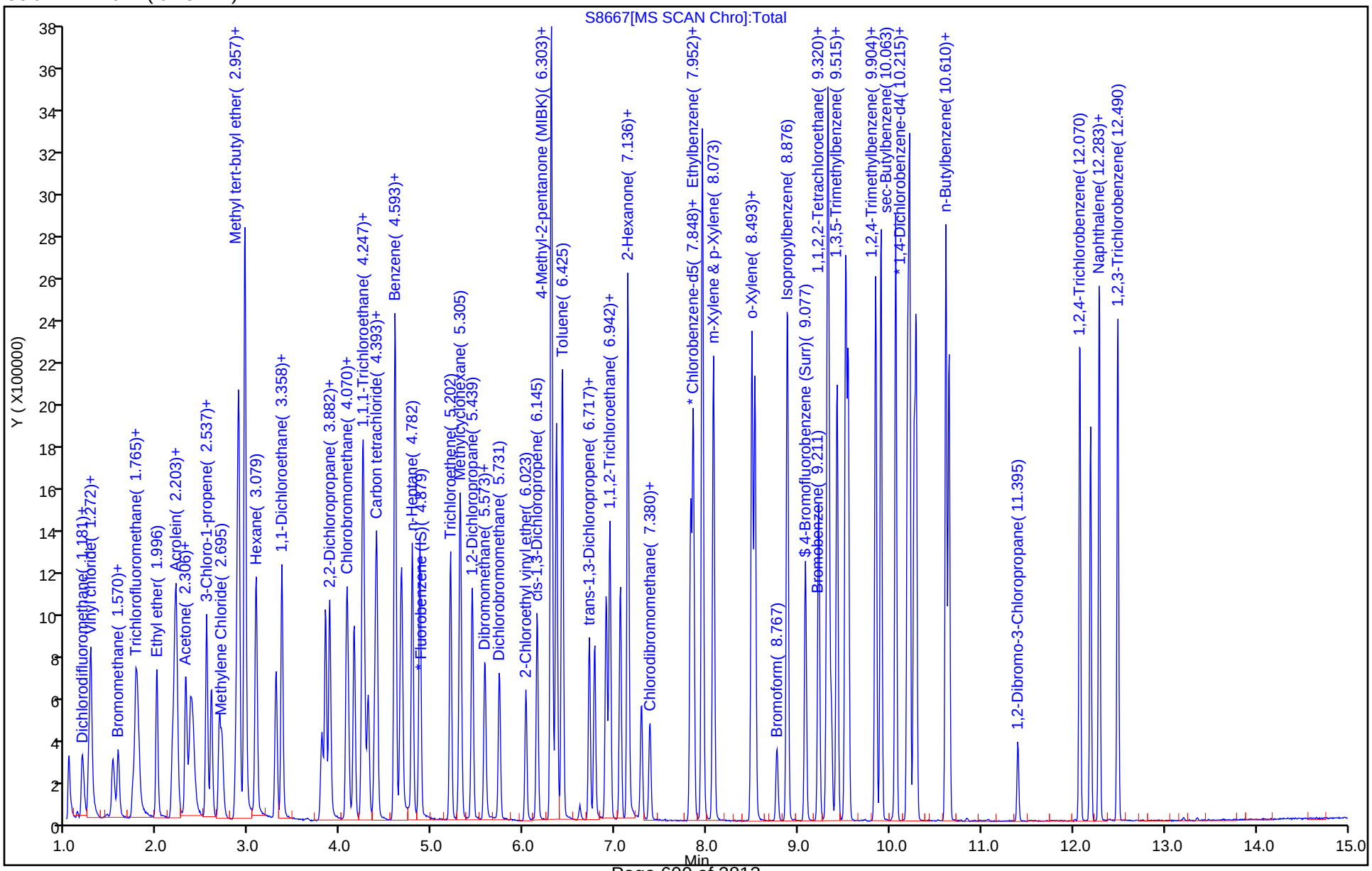
Lims ID: ICV Worklist Smp#: 34

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 34

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

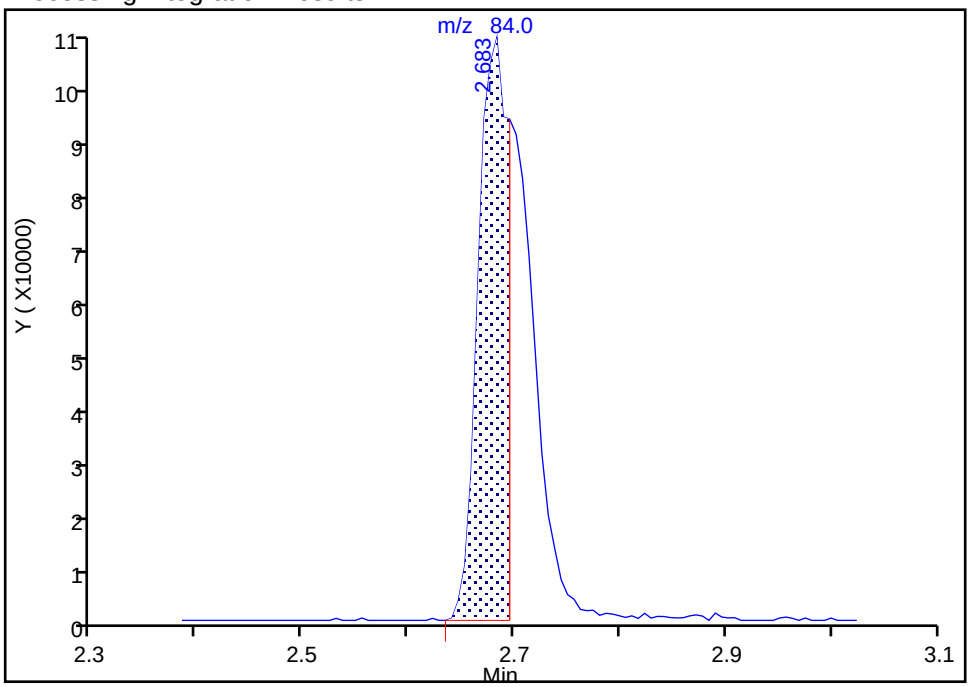
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D				
Injection Date:	25-Feb-2022 03:24:30	Instrument ID:	HP5973S		
Lims ID:	ICV				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	34	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

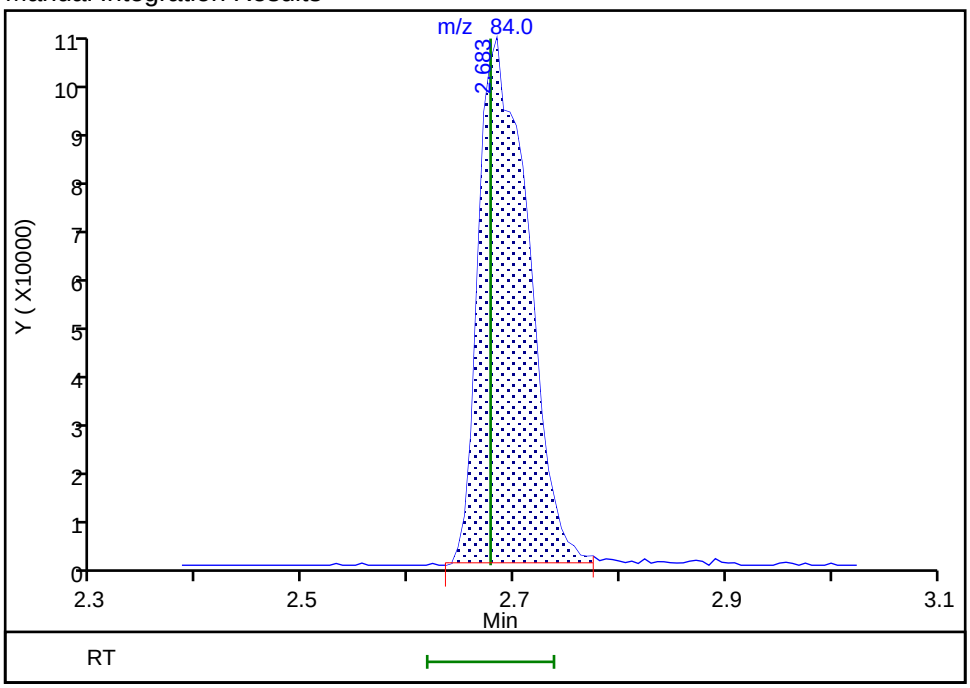
Processing Integration Results

RT: 2.68
Area: 212064
Amount: 13.979329
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 341764
Amount: 23.057599
Amount Units: ug/L



Reviewer: gruninga, 25-Feb-2022 16:20:59

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

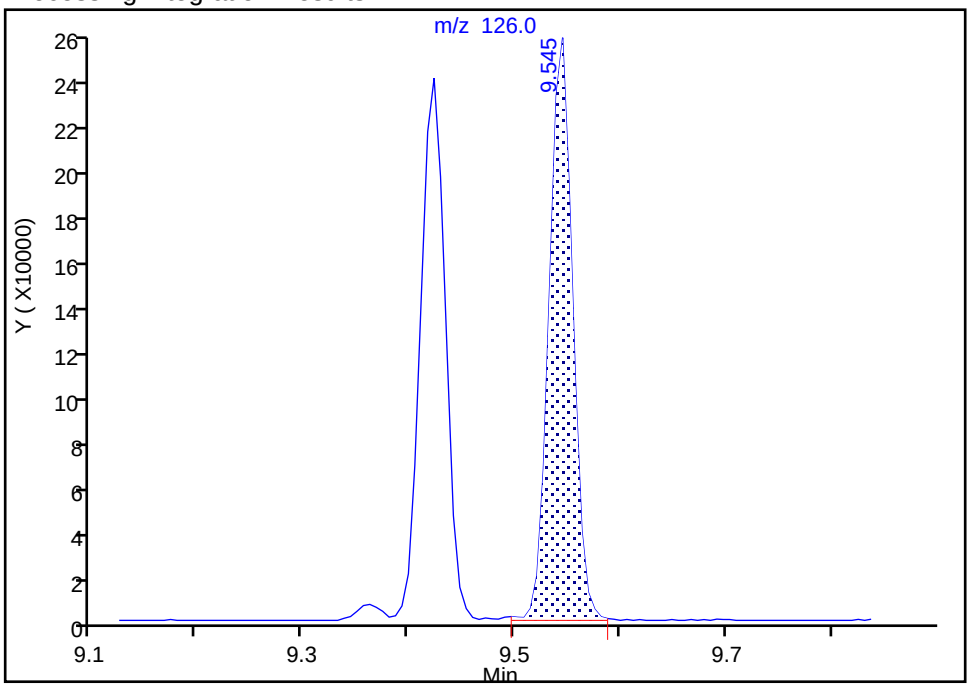
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D				
Injection Date:	25-Feb-2022 03:24:30	Instrument ID:	HP5973S		
Lims ID:	ICV				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	34	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

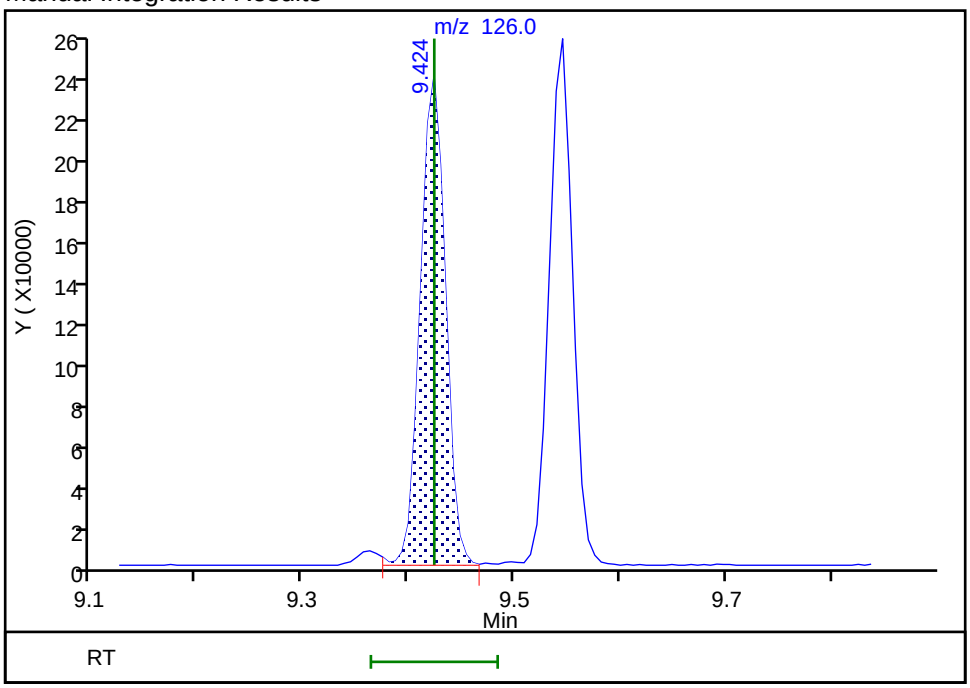
Processing Integration Results

RT: 9.55
Area: 400008
Amount: 24.682580
Amount Units: ug/L



Manual Integration Results

RT: 9.42
Area: 397352
Amount: 24.518691
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:46:08

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

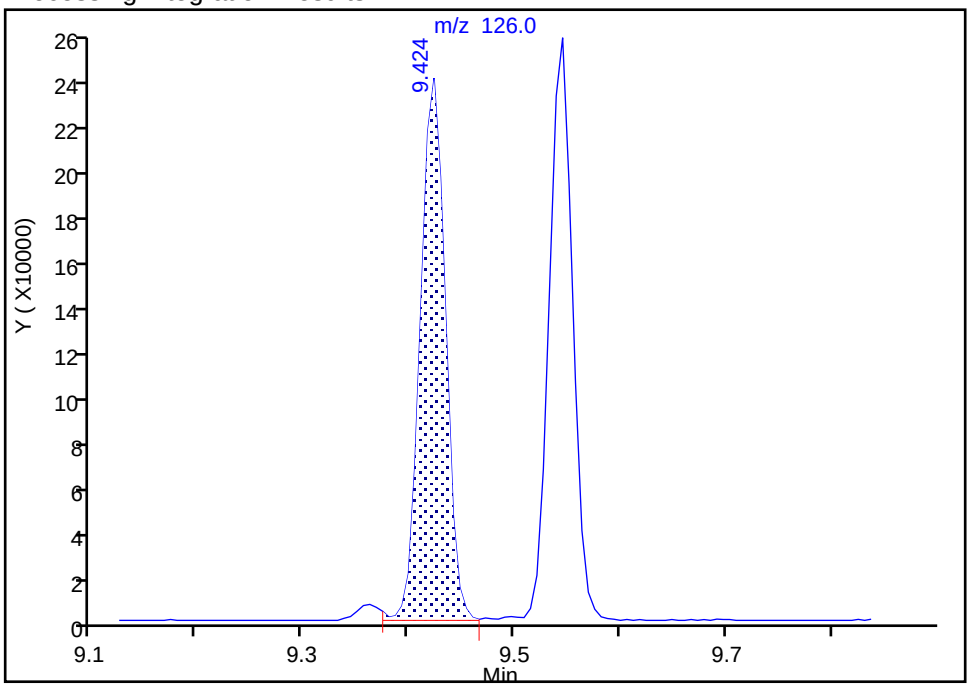
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D				
Injection Date:	25-Feb-2022 03:24:30	Instrument ID:	HP5973S		
Lims ID:	ICV				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	34	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

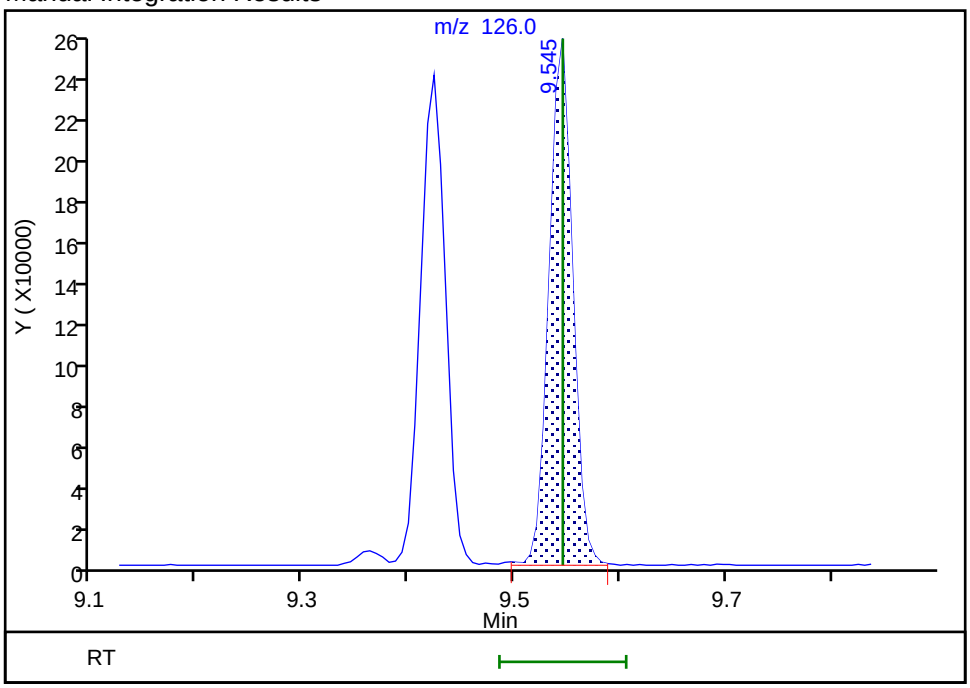
Processing Integration Results

RT: 9.42
Area: 397352
Amount: 23.791660
Amount Units: ug/L



Manual Integration Results

RT: 9.55
Area: 400008
Amount: 23.950689
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:46:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

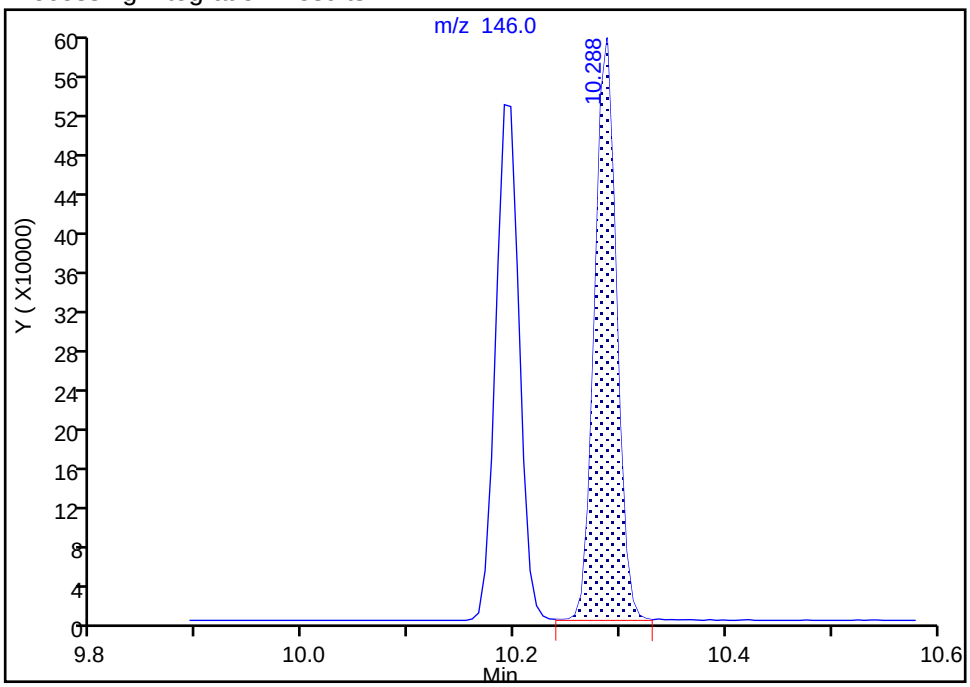
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D				
Injection Date:	25-Feb-2022 03:24:30	Instrument ID:	HP5973S		
Lims ID:	ICV				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	34	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

111 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

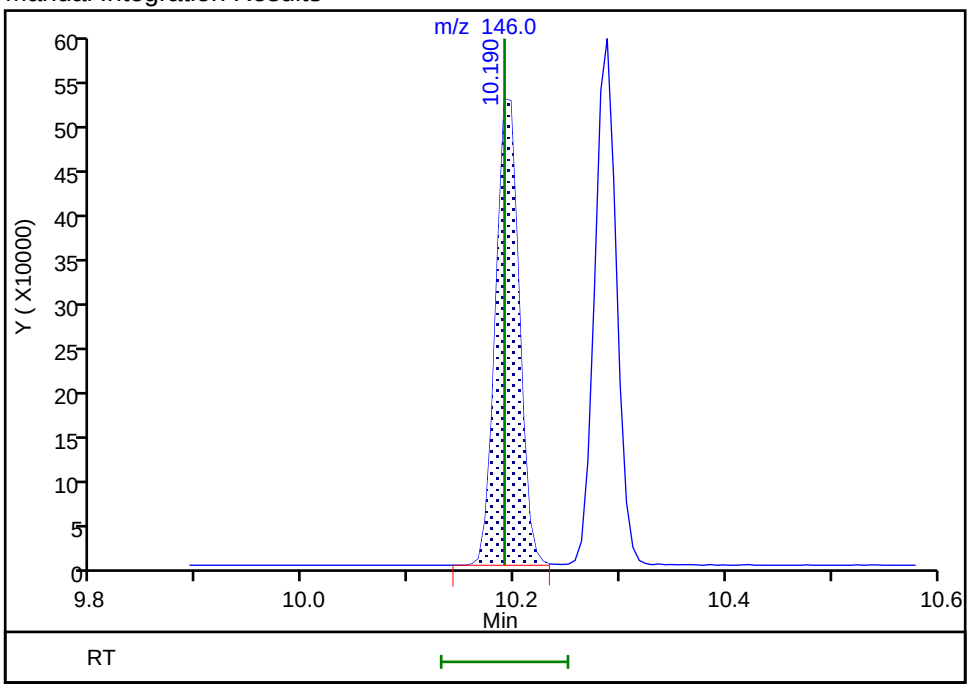
Processing Integration Results

RT: 10.29
Area: 859422
Amount: 24.556354
Amount Units: ug/L



Manual Integration Results

RT: 10.19
Area: 821884
Amount: 23.483777
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:46:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

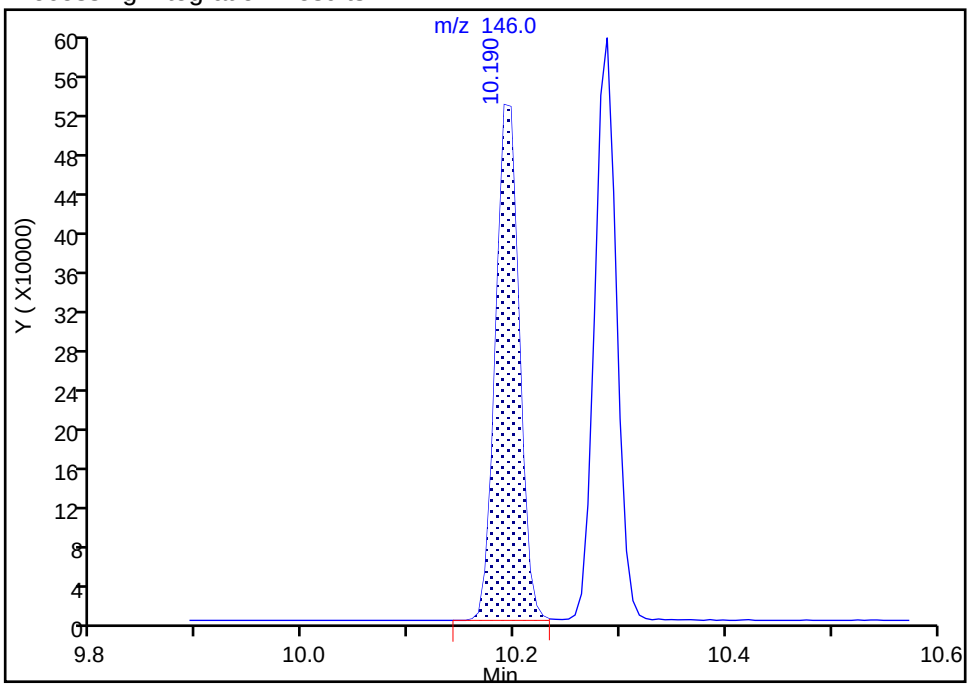
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8667.D				
Injection Date:	25-Feb-2022 03:24:30	Instrument ID:	HP5973S		
Lims ID:	ICV				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	34	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

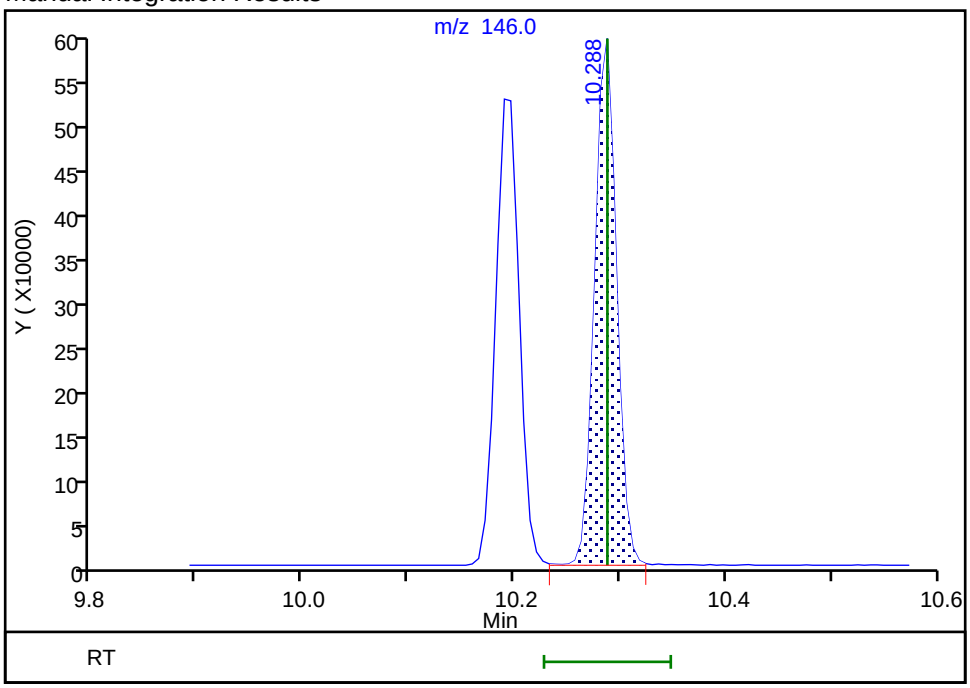
Processing Integration Results

RT: 10.19
Area: 821884
Amount: 22.420892
Amount Units: ug/L



Manual Integration Results

RT: 10.29
Area: 859735
Amount: 23.453462
Amount Units: ug/L



Reviewer: HillL, 28-Feb-2022 15:46:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616658/4 Calibration Date: 03/03/2022 12:02

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8713.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	2.031	2.036	0.1000	25.1	25.0	0.2	50.0
Chloromethane	Ave	2.570	2.341	0.1000	22.8	25.0	-8.9	20.0
Vinyl chloride	Ave	2.337	2.152	0.1000	23.0	25.0	-7.9	20.0
Butadiene	Ave	2.237	2.324		26.0	25.0	3.9	20.0
Bromomethane	Ave	1.635	1.385	0.1000	21.2	25.0	-15.3	50.0
Chloroethane	Ave	1.573	1.395	0.1000	22.2	25.0	-11.3	50.0
Trichlorofluoromethane	Ave	2.959	2.863	0.1000	24.2	25.0	-3.2	20.0
Dichlorofluoromethane	Ave	3.380	3.024		22.4	25.0	-10.5	20.0
Ethyl ether	Ave	1.964	1.680		21.4	25.0	-14.5	20.0
Acrolein	Ave	0.2545	0.2047		101	125	-19.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.579	1.548	0.1000	24.5	25.0	-2.0	20.0
1,1-Dichloroethene	Ave	1.539	1.404	0.1000	22.8	25.0	-8.8	20.0
Acetone	Ave	0.9351	0.8127	0.1000	109	125	-13.1	50.0
Iodomethane	Ave	2.914	2.706		23.2	25.0	-7.1	20.0
Carbon disulfide	Ave	4.871	4.863	0.1000	25.0	25.0	-0.2	20.0
Allyl chloride	Ave	2.928	2.768		23.6	25.0	-5.5	20.0
Methyl acetate	Ave	1.913	1.547	0.1000	40.4	50.0	-19.2	50.0
Methylene Chloride	Lin1		1.764	0.1000	23.7	25.0	-5.2	20.0
2-Methyl-2-propanol	Ave	0.1639	0.1241		189	250	-24.3	50.0
Methyl tert-butyl ether	Ave	5.159	4.582	0.1000	22.2	25.0	-11.2	20.0
trans-1,2-Dichloroethene	Ave	1.749	1.647	0.1000	23.5	25.0	-5.8	20.0
Acrylonitrile	Ave	1.004	0.9022		225	250	-10.1	20.0
Hexane	Ave	2.700	2.856		26.4	25.0	5.8	20.0
1,1-Dichloroethane	Ave	3.412	3.068	0.2000	22.5	25.0	-10.1	20.0
Vinyl acetate	Ave	3.459	3.662		52.9	50.0	5.9	20.0
2,2-Dichloropropane	Ave	0.9898	1.100		27.8	25.0	11.2	20.0
cis-1,2-Dichloroethene	Ave	1.885	1.761	0.1000	23.4	25.0	-6.6	20.0
2-Butanone (MEK)	Ave	1.185	1.070	0.1000	113	125	-9.7	20.0
Chlorobromomethane	Ave	1.063	0.9831		23.1	25.0	-7.5	20.0
Tetrahydrofuran	Ave	0.8083	0.6979		43.2	50.0	-13.7	20.0
Chloroform	Ave	3.246	2.918	0.2000	22.5	25.0	-10.1	20.0
1,1,1-Trichloroethane	Ave	2.163	2.221	0.1000	25.7	25.0	2.7	20.0
Cyclohexane	Ave	3.261	3.335	0.1000	25.6	25.0	2.3	20.0
Carbon tetrachloride	Ave	1.675	1.849	0.1000	27.6	25.0	10.3	20.0
1,1-Dichloropropene	Ave	2.312	2.329		25.2	25.0	0.7	20.0
Benzene	Ave	7.065	6.861	0.5000	24.3	25.0	-2.9	20.0
Isobutyl alcohol	Ave	0.0678	0.0550		507	625	-18.9	50.0
1,2-Dichloroethane	Ave	3.027	2.721	0.1000	22.5	25.0	-10.1	20.0
n-Heptane	Ave	2.865	3.070		26.8	25.0	7.2	20.0
Trichloroethene	Ave	1.759	1.719	0.2000	24.4	25.0	-2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616658/4 Calibration Date: 03/03/2022 12:02

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8713.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
Methylcyclohexane	Ave	2.866	3.051	0.1000	26.6	25.0	6.4	20.0
1,2-Dichloropropane	Ave	1.783	1.708	0.1000	23.9	25.0	-4.3	20.0
Dibromomethane	Ave	1.182	1.085	0.1000	23.0	25.0	-8.2	20.0
1,4-Dioxane	Ave	0.0124	0.0068		276	500	-44.9	50.0
Bromodichloromethane	Ave	2.005	2.074	0.2000	25.9	25.0	3.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9724	1.046		26.9	25.0	7.5	20.0
cis-1,3-Dichloropropene	Ave	2.074	2.237	0.2000	27.0	25.0	7.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.166	1.062	0.1000	114	125	-8.9	20.0
Toluene	Ave	2.236	2.178	0.4000	24.3	25.0	-2.6	20.0
trans-1,3-Dichloropropene	Ave	0.7794	0.9116	0.1000	29.2	25.0	17.0	20.0
Ethyl methacrylate	Lin1		0.8502		24.0	25.0	-4.2	20.0
1,1,2-Trichloroethane	Ave	0.6460	0.6102	0.1000	23.6	25.0	-5.5	20.0
Tetrachloroethene	Ave	1.027	1.046	0.2000	25.5	25.0	1.9	20.0
1,3-Dichloropropane	Ave	1.384	1.308		23.6	25.0	-5.5	20.0
2-Hexanone	Ave	0.7335	0.7069	0.1000	120	125	-3.6	20.0
Dibromochloromethane	Ave	0.6931	0.7579	0.1000	27.3	25.0	9.3	20.0
1,2-Dibromoethane	Ave	0.7015	0.7445		26.5	25.0	6.1	20.0
Chlorobenzene	Ave	2.576	2.445	0.5000	23.7	25.0	-5.1	20.0
Ethylbenzene	Ave	3.943	3.990	0.1000	25.3	25.0	1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6696	0.7613		28.4	25.0	13.7	20.0
m,p-Xylene	Ave	1.545	1.646	0.1000	26.6	25.0	6.5	20.0
o-Xylene	Ave	1.552	1.585	0.3000	25.5	25.0	2.1	20.0
Styrene	Ave	2.476	2.679	0.3000	27.0	25.0	8.2	20.0
Bromoform	Ave	0.4345	0.4897	0.1000	28.2	25.0	12.7	50.0
Isopropylbenzene	Ave	3.872	3.749	0.1000	24.2	25.0	-3.2	20.0
Bromobenzene	Ave	1.051	0.9592		22.8	25.0	-8.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9931	0.8906	0.3000	22.4	25.0	-10.3	20.0
N-Propylbenzene	Ave	4.270	4.202		24.6	25.0	-1.6	20.0
1,2,3-Trichloropropane	Ave	0.3620	0.3043		21.0	25.0	-15.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3323	0.2747		20.7	25.0	-17.3	50.0
2-Chlorotoluene	Ave	0.9323	0.8885		23.8	25.0	-4.7	20.0
1,3,5-Trimethylbenzene	Ave	3.237	3.185		24.6	25.0	-1.6	20.0
4-Chlorotoluene	Ave	0.9608	0.9177		23.9	25.0	-4.5	20.0
tert-Butylbenzene	Ave	0.7501	0.7380		24.6	25.0	-1.6	20.0
1,2,4-Trimethylbenzene	Ave	3.299	3.261		24.7	25.0	-1.2	20.0
sec-Butylbenzene	Ave	4.149	4.203		25.3	25.0	1.3	20.0
1,3-Dichlorobenzene	Ave	2.013	1.880	0.6000	23.3	25.0	-6.6	20.0
4-Isopropyltoluene	Ave	3.627	3.679		25.4	25.0	1.4	20.0
1,4-Dichlorobenzene	Ave	2.109	1.911	0.5000	22.7	25.0	-9.4	20.0
n-Butylbenzene	Ave	3.076	3.102		25.2	25.0	0.9	20.0
1,2-Dichlorobenzene	Ave	1.990	1.862	0.4000	23.4	25.0	-6.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616658/4 Calibration Date: 03/03/2022 12:02

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8713.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1369	0.1323	0.0500	24.2	25.0	-3.4	50.0
1,2,4-Trichlorobenzene	Ave	1.477	1.363	0.2000	23.1	25.0	-7.7	20.0
Hexachlorobutadiene	Ave	0.6817	0.6814		25.0	25.0	-0.0	20.0
Naphthalene	Ave	3.771	3.480		23.1	25.0	-7.7	20.0
1,2,3-Trichlorobenzene	Ave	1.482	1.370		23.1	25.0	-7.6	20.0
Dibromofluoromethane (Surr)	Ave	1.415	1.372		24.2	25.0	-3.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9107	0.8790		24.1	25.0	-3.5	20.0
Toluene-d8 (Surr)	Ave	2.635	2.586		24.5	25.0	-1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8401	0.8663		25.8	25.0	3.1	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8713.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Mar-2022 12:02:30 ALS Bottle#: 7 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0104194-004
Operator ID: AG/LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:31:37 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: HillL Date: 03-Mar-2022 14:31:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	98	199783	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	404566	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	54	467806	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.301	0.000	57	274073	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	58	175607	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	50	1046262	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	350491	25.0	25.8	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	87	406752	25.0	25.1	
12 Chloromethane	50	1.174	1.174	0.000	82	467693	25.0	22.8	
13 Vinyl chloride	62	1.254	1.254	0.000	97	429838	25.0	23.0	
151 Butadiene	54	1.266	1.266	0.000	88	464364	25.0	26.0	
14 Bromomethane	94	1.509	1.509	0.000	92	276719	25.0	21.2	
15 Chloroethane	64	1.564	1.564	0.000	95	278744	25.0	22.2	
17 Trichlorofluoromethane	101	1.734	1.734	0.000	86	571891	25.0	24.2	
16 Dichlorofluoromethane	67	1.758	1.758	0.000	97	604123	25.0	22.4	
18 Ethyl ether	59	1.990	1.990	0.000	94	335648	25.0	21.4	
20 Acrolein	56	2.160	2.160	0.000	97	204526	125.0	100.6	
21 112TCTFE	101	2.184	2.184	0.000	67	309256	25.0	24.5	
22 1,1-Dichloroethene	96	2.190	2.190	0.000	96	280416	25.0	22.8	
23 Acetone	43	2.306	2.306	0.000	98	811821	125.0	108.6	
25 Iodomethane	142	2.330	2.330	0.000	98	540522	25.0	23.2	
26 Carbon disulfide	76	2.361	2.361	0.000	99	971550	25.0	25.0	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	84	553000	25.0	23.6	
27 Methyl acetate	43	2.586	2.586	0.000	96	617930	50.0	40.4	
30 Methylene Chloride	84	2.677	2.677	0.000	94	352423	25.0	23.7	
31 2-Methyl-2-propanol	59	2.847	2.847	0.000	81	248029	250.0	189.3	
32 Methyl tert-butyl ether	73	2.878	2.878	0.000	91	915352	25.0	22.2	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	90	329045	25.0	23.5	
33 Acrylonitrile	53	2.951	2.951	0.000	99	1802458	250.0	224.7	
35 Hexane	57	3.079	3.079	0.000	94	570625	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.292	3.292	0.000	85	612954	25.0	22.5	
37 Vinyl acetate	43	3.358	3.358	0.000	97	1463014	50.0	52.9	
44 2,2-Dichloropropane	77	3.796	3.796	0.000	75	219830	25.0	27.8	
45 cis-1,2-Dichloroethene	96	3.833	3.833	0.000	83	351912	25.0	23.4	
43 2-Butanone (MEK)	43	3.876	3.876	0.000	97	1069155	125.0	112.9	
48 Chlorobromomethane	128	4.064	4.064	0.000	96	196401	25.0	23.1	
49 Tetrahydrofuran	42	4.076	4.076	0.000	89	278847	50.0	43.2	
50 Chloroform	83	4.149	4.149	0.000	83	583002	25.0	22.5	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	76	443745	25.0	25.7	
52 Cyclohexane	56	4.247	4.247	0.000	93	666237	25.0	25.6	
55 Carbon tetrachloride	117	4.374	4.374	0.000	85	369307	25.0	27.6	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	90	465346	25.0	25.2	
57 Benzene	78	4.593	4.593	0.000	97	1370644	25.0	24.3	
53 Isobutyl alcohol	43	4.654	4.654	0.000	57	274848	625.0	507.1	
58 1,2-Dichloroethane	62	4.666	4.666	0.000	74	543537	25.0	22.5	
59 n-Heptane	43	4.782	4.782	0.000	94	613263	25.0	26.8	
62 Trichloroethene	95	5.202	5.202	0.000	90	343424	25.0	24.4	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	609582	25.0	26.6	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	87	341157	25.0	23.9	
67 Dibromomethane	93	5.573	5.573	0.000	88	216703	25.0	23.0	
66 1,4-Dioxane	88	5.591	5.591	0.000	56	55308	500.0	275.6	M
68 Dichlorobromomethane	83	5.731	5.731	0.000	97	414284	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	94	208917	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.145	6.145	0.000	87	447000	25.0	27.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	2148273	125.0	113.9	
74 Toluene	92	6.425	6.425	0.000	88	880996	25.0	24.3	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	99	368791	25.0	29.2	
75 Ethyl methacrylate	69	6.777	6.777	0.000	71	343962	25.0	24.0	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	89	246881	25.0	23.6	
81 Tetrachloroethene	166	6.942	6.942	0.000	91	423195	25.0	25.5	
82 1,3-Dichloropropane	76	7.057	7.057	0.000	96	529236	25.0	23.6	
80 2-Hexanone	43	7.136	7.136	0.000	98	1429885	125.0	120.5	
83 Chlorodibromomethane	129	7.288	7.288	0.000	89	306619	25.0	27.3	
84 Ethylene Dibromide	107	7.380	7.380	0.000	99	301208	25.0	26.5	
87 Chlorobenzene	112	7.854	7.854	0.000	94	989095	25.0	23.7	
88 Ethylbenzene	91	7.952	7.952	0.000	98	1614236	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	41	307983	25.0	28.4	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	98	665818	25.0	26.6	
91 o-Xylene	106	8.493	8.493	0.000	97	641097	25.0	25.5	
92 Styrene	104	8.523	8.523	0.000	94	1083859	25.0	27.0	
95 Bromoform	173	8.767	8.767	0.000	95	198125	25.0	28.2	
94 Isopropylbenzene	105	8.882	8.882	0.000	95	1753890	25.0	24.2	
101 Bromobenzene	156	9.223	9.223	0.000	92	448741	25.0	22.8	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	54	416651	25.0	22.4	
99 N-Propylbenzene	91	9.326	9.326	0.000	97	1965807	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.333	9.333	0.000	56	142361	25.0	21.0	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.363	0.000	1	128504	25.0	20.7	
103 2-Chlorotoluene	126	9.424	9.424	0.000	94	415639	25.0	23.8	
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	94	1490129	25.0	24.6	
105 4-Chlorotoluene	126	9.545	9.545	0.000	97	429321	25.0	23.9	
106 tert-Butylbenzene	134	9.844	9.844	0.000	86	345251	25.0	24.6	
107 1,2,4-Trimethylbenzene	105	9.904	9.904	0.000	58	1525453	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	93	1966404	25.0	25.3	
111 1,3-Dichlorobenzene	146	10.196	10.196	0.000	98	879554	25.0	23.3	
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	1721225	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	894061	25.0	22.7	
115 n-Butylbenzene	91	10.610	10.610	0.000	95	1451225	25.0	25.2	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	97	871095	25.0	23.4	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	76	61886	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	12.076	12.076	0.000	94	637412	25.0	23.1	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	95	318782	25.0	25.0	
121 Naphthalene	128	12.289	12.289	0.000	97	1627809	25.0	23.1	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	94	640887	25.0	23.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00220	Amount Added: 12.50	Units: uL	
GAS CORP mix_00499	Amount Added: 12.50	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:31:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8713.D

Injection Date: 03-Mar-2022 12:02:30 Instrument ID: HP5973S Operator ID: AG/LH

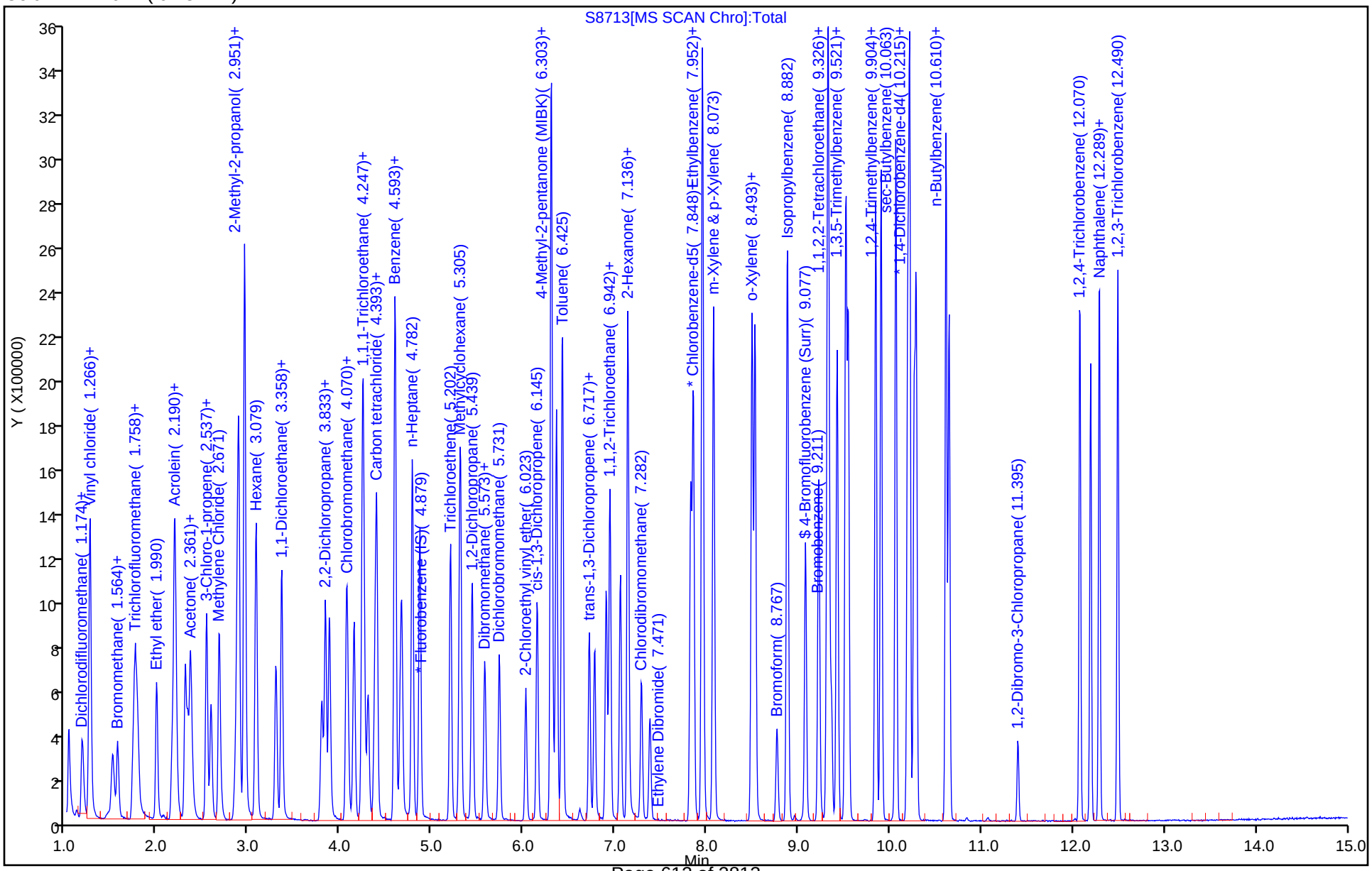
Lims ID: CCVIS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

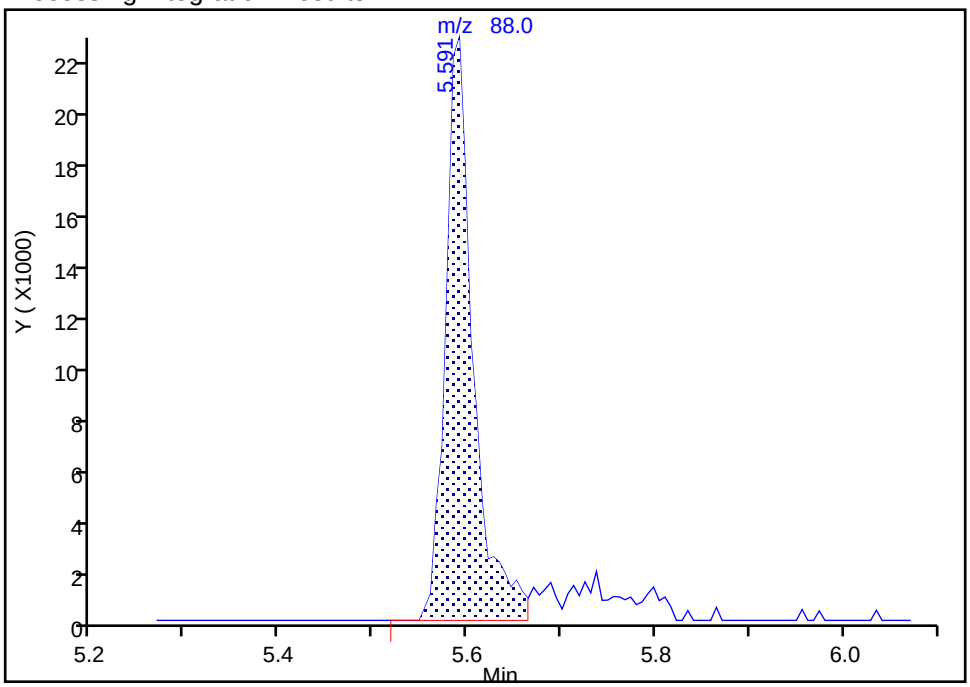
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8713.D				
Injection Date:	03-Mar-2022 12:02:30	Instrument ID:	HP5973S		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	7	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

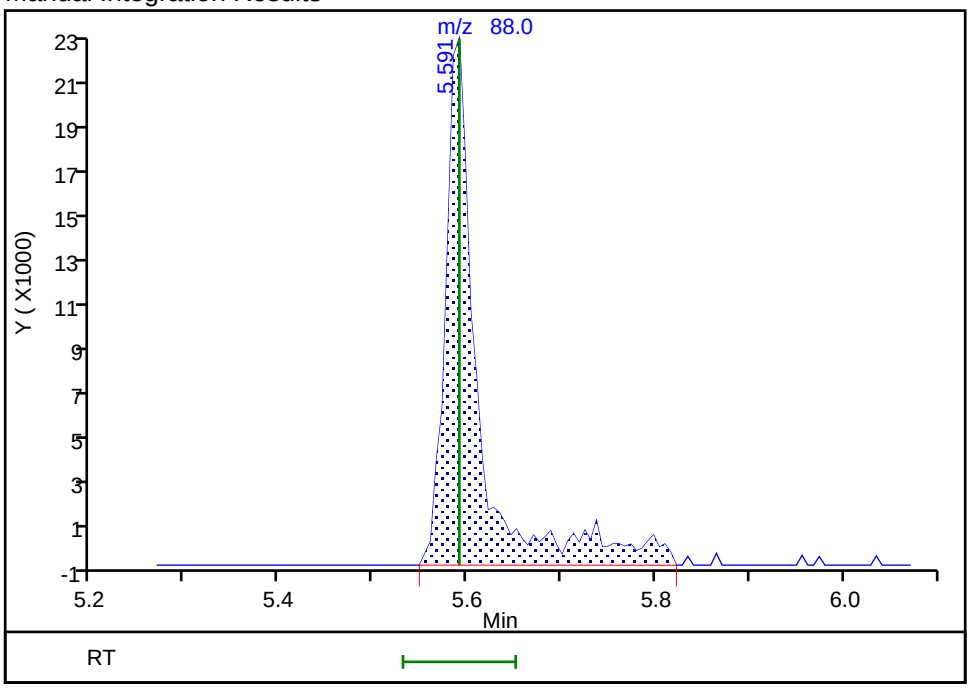
Processing Integration Results

RT: 5.59
Area: 46143
Amount: 229.9125
Amount Units: ug/L



Manual Integration Results

RT: 5.59
Area: 55308
Amount: 275.5781
Amount Units: ug/L



Reviewer: HillL, 03-Mar-2022 12:28:57

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616884/4 Calibration Date: 03/05/2022 22:53

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8814.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	2.031	1.630	0.1000	20.1	25.0	-19.8	50.0
Chloromethane	Ave	2.570	2.285	0.1000	22.2	25.0	-11.1	20.0
Vinyl chloride	Ave	2.337	2.067	0.1000	22.1	25.0	-11.6	20.0
Butadiene	Ave	2.237	2.099		23.5	25.0	-6.1	20.0
Bromomethane	Ave	1.635	1.247	0.1000	19.1	25.0	-23.7	50.0
Chloroethane	Ave	1.573	1.342	0.1000	21.3	25.0	-14.7	50.0
Dichlorofluoromethane	Ave	3.380	3.019		22.3	25.0	-10.7	20.0
Trichlorofluoromethane	Ave	2.959	2.534	0.1000	21.4	25.0	-14.4	20.0
Ethyl ether	Ave	1.964	1.725		21.9	25.0	-12.2	20.0
Acrolein	Ave	0.2545	0.2002		98.4	125	-21.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.579	1.318	0.1000	20.9	25.0	-16.5	20.0
1,1-Dichloroethene	Ave	1.539	1.327	0.1000	21.6	25.0	-13.7	20.0
Acetone	Ave	0.9351	0.8181	0.1000	109	125	-12.5	50.0
Iodomethane	Ave	2.914	2.723		23.4	25.0	-6.5	20.0
Carbon disulfide	Ave	4.871	4.295	0.1000	22.0	25.0	-11.8	20.0
Allyl chloride	Ave	2.928	2.677		22.9	25.0	-8.6	20.0
Methyl acetate	Ave	1.913	1.769	0.1000	46.2	50.0	-7.6	50.0
Methylene Chloride	Lin1		1.720	0.1000	23.1	25.0	-7.7	20.0
2-Methyl-2-propanol	Ave	0.1639	0.1626		248	250	-0.8	50.0
Methyl tert-butyl ether	Ave	5.159	4.845	0.1000	23.5	25.0	-6.1	20.0
trans-1,2-Dichloroethene	Ave	1.749	1.630	0.1000	23.3	25.0	-6.8	20.0
Acrylonitrile	Ave	1.004	0.9596		239	250	-4.4	20.0
Hexane	Ave	2.700	1.959		18.1	25.0	-27.4*	20.0
1,1-Dichloroethane	Ave	3.412	3.038	0.2000	22.3	25.0	-11.0	20.0
Vinyl acetate	Ave	3.459	3.808		55.1	50.0	10.1	20.0
2,2-Dichloropropane	Ave	0.9898	0.9510		24.0	25.0	-3.9	20.0
cis-1,2-Dichloroethene	Ave	1.885	1.740	0.1000	23.1	25.0	-7.7	20.0
2-Butanone (MEK)	Ave	1.185	1.123	0.1000	118	125	-5.3	20.0
Chlorobromomethane	Ave	1.063	0.999		23.5	25.0	-6.0	20.0
Tetrahydrofuran	Ave	0.8083	0.7457		46.1	50.0	-7.7	20.0
Chloroform	Ave	3.246	2.929	0.2000	22.6	25.0	-9.8	20.0
1,1,1-Trichloroethane	Ave	2.163	2.179	0.1000	25.2	25.0	0.7	20.0
Cyclohexane	Ave	3.261	2.754	0.1000	21.1	25.0	-15.6	20.0
Carbon tetrachloride	Ave	1.675	1.662	0.1000	24.8	25.0	-0.8	20.0
1,1-Dichloropropene	Ave	2.312	2.240		24.2	25.0	-3.1	20.0
Benzene	Ave	7.065	6.643	0.5000	23.5	25.0	-6.0	20.0
Isobutyl alcohol	Ave	0.0678	0.0806		742	625	18.8	50.0
1,2-Dichloroethane	Ave	3.027	2.778	0.1000	22.9	25.0	-8.2	20.0
n-Heptane	Ave	2.865	2.256		19.7	25.0	-21.2*	20.0
Trichloroethene	Ave	1.759	1.626	0.2000	23.1	25.0	-7.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616884/4 Calibration Date: 03/05/2022 22:53

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8814.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
Methylcyclohexane	Ave	2.866	2.385	0.1000	20.8	25.0	-16.8	20.0
1,2-Dichloropropane	Ave	1.783	1.652	0.1000	23.2	25.0	-7.4	20.0
Dibromomethane	Ave	1.182	1.084	0.1000	22.9	25.0	-8.3	20.0
1,4-Dioxane	Ave	0.0124	0.0116		469	500	-6.2	50.0
Bromodichloromethane	Ave	2.005	1.975	0.2000	24.6	25.0	-1.5	20.0
2-Chloroethyl vinyl ether	Ave	0.9724	1.059		27.2	25.0	8.9	20.0
cis-1,3-Dichloropropene	Ave	2.074	2.184	0.2000	26.3	25.0	5.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.166	1.182	0.1000	127	125	1.4	20.0
Toluene	Ave	2.236	2.142	0.4000	23.9	25.0	-4.2	20.0
trans-1,3-Dichloropropene	Ave	0.7794	0.9374	0.1000	30.1	25.0	20.3*	20.0
Ethyl methacrylate	Lin1		0.9077		25.5	25.0	2.1	20.0
1,1,2-Trichloroethane	Ave	0.6460	0.6404	0.1000	24.8	25.0	-0.9	20.0
Tetrachloroethene	Ave	1.027	0.9902	0.2000	24.1	25.0	-3.6	20.0
1,3-Dichloropropane	Ave	1.384	1.317		23.8	25.0	-4.9	20.0
2-Hexanone	Ave	0.7335	0.7759	0.1000	132	125	5.8	20.0
Dibromochloromethane	Ave	0.6931	0.7090	0.1000	25.6	25.0	2.3	20.0
1,2-Dibromoethane	Ave	0.7015	0.7925		28.2	25.0	13.0	20.0
Chlorobenzene	Ave	2.576	2.483	0.5000	24.1	25.0	-3.6	20.0
Ethylbenzene	Ave	3.943	3.915	0.1000	24.8	25.0	-0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6696	0.7371		27.5	25.0	10.1	20.0
m,p-Xylene	Ave	1.545	1.583	0.1000	25.6	25.0	2.5	20.0
o-Xylene	Ave	1.552	1.547	0.3000	24.9	25.0	-0.3	20.0
Styrene	Ave	2.476	2.610	0.3000	26.4	25.0	5.4	20.0
Bromoform	Ave	0.4345	0.4462	0.1000	25.7	25.0	2.7	50.0
Isopropylbenzene	Ave	3.872	3.694	0.1000	23.9	25.0	-4.6	20.0
Bromobenzene	Ave	1.051	0.9774		23.3	25.0	-7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9931	0.9690	0.3000	24.4	25.0	-2.4	20.0
N-Propylbenzene	Ave	4.270	4.158		24.3	25.0	-2.6	20.0
1,2,3-Trichloropropane	Ave	0.3620	0.3477		24.0	25.0	-3.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3323	0.2273		17.1	25.0	-31.6	50.0
2-Chlorotoluene	Ave	0.9323	0.8814		23.6	25.0	-5.5	20.0
1,3,5-Trimethylbenzene	Ave	3.237	3.146		24.3	25.0	-2.8	20.0
4-Chlorotoluene	Ave	0.9608	0.9276		24.1	25.0	-3.5	20.0
tert-Butylbenzene	Ave	0.7501	0.7258		24.2	25.0	-3.2	20.0
1,2,4-Trimethylbenzene	Ave	3.299	3.244		24.6	25.0	-1.7	20.0
sec-Butylbenzene	Ave	4.149	4.003		24.1	25.0	-3.5	20.0
1,3-Dichlorobenzene	Ave	2.013	1.881	0.6000	23.4	25.0	-6.6	20.0
4-Isopropyltoluene	Ave	3.627	3.529		24.3	25.0	-2.7	20.0
1,4-Dichlorobenzene	Ave	2.109	1.935	0.5000	22.9	25.0	-8.3	20.0
n-Butylbenzene	Ave	3.076	2.914		23.7	25.0	-5.2	20.0
1,2-Dichlorobenzene	Ave	1.990	1.915	0.4000	24.1	25.0	-3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-616884/4 Calibration Date: 03/05/2022 22:53

Instrument ID: HP5973S Calib Start Date: 02/24/2022 19:14

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/24/2022 21:56

Lab File ID: S8814.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1369	0.1466	0.0500	26.8	25.0	7.1	50.0
1,2,4-Trichlorobenzene	Ave	1.477	1.376	0.2000	23.3	25.0	-6.8	20.0
Hexachlorobutadiene	Ave	0.6817	0.6523		23.9	25.0	-4.3	20.0
Naphthalene	Ave	3.771	3.713		24.6	25.0	-1.5	20.0
1,2,3-Trichlorobenzene	Ave	1.482	1.393		23.5	25.0	-6.0	20.0
Dibromofluoromethane (Surr)	Ave	1.415	1.410		24.9	25.0	-0.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9107	0.8959		24.6	25.0	-1.6	20.0
Toluene-d8 (Surr)	Ave	2.635	2.631		25.0	25.0	-0.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8401	0.8661		25.8	25.0	3.1	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8814.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Mar-2022 22:53:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0104224-004
Operator ID: OI Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Mar-2022 10:51:18 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: kiwana Date: 07-Mar-2022 10:51:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	97	182117	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	359069	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	55	401587	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.301	0.000	60	256791	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	57	163156	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	57	944598	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	92	310977	25.0	25.8	
10 Dichlorodifluoromethane	85	1.035	1.035	0.000	97	296794	25.0	20.1	
12 Chloromethane	50	1.181	1.181	0.000	89	416141	25.0	22.2	
13 Vinyl chloride	62	1.254	1.254	0.000	70	376449	25.0	22.1	
151 Butadiene	54	1.272	1.272	0.000	64	382339	25.0	23.5	
14 Bromomethane	94	1.521	1.521	0.000	91	227135	25.0	19.1	
15 Chloroethane	64	1.576	1.576	0.000	99	244362	25.0	21.3	
16 Dichlorofluoromethane	67	1.765	1.765	0.000	81	549817	25.0	22.3	
17 Trichlorofluoromethane	101	1.765	1.765	0.000	54	461481	25.0	21.4	
18 Ethyl ether	59	1.996	1.996	0.000	95	314073	25.0	21.9	
20 Acrolein	56	2.166	2.166	0.000	98	182343	125.0	98.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.203	2.203	0.000	71	240066	25.0	20.9	
22 1,1-Dichloroethene	96	2.209	2.209	0.000	87	241742	25.0	21.6	
23 Acetone	43	2.312	2.312	0.000	98	744922	125.0	109.4	
25 Iodomethane	142	2.361	2.361	0.000	97	495940	25.0	23.4	
26 Carbon disulfide	76	2.385	2.385	0.000	99	782279	25.0	22.0	
28 3-Chloro-1-propene	41	2.537	2.537	0.000	84	487531	25.0	22.9	
27 Methyl acetate	43	2.592	2.592	0.000	99	644227	50.0	46.2	
30 Methylene Chloride	84	2.677	2.677	0.000	86	313280	25.0	23.1	M
31 2-Methyl-2-propanol	59	2.860	2.860	0.000	67	296077	250.0	247.9	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	91	882303	25.0	23.5	
34 trans-1,2-Dichloroethene	96	2.890	2.890	0.000	80	296898	25.0	23.3	
33 Acrylonitrile	53	2.957	2.957	0.000	99	1747618	250.0	239.0	
35 Hexane	57	3.079	3.079	0.000	93	356791	25.0	18.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.298	3.298	0.000	98	553245	25.0	22.3	
37 Vinyl acetate	43	3.358	3.358	0.000	97	1387091	50.0	55.1	
44 2,2-Dichloropropane	77	3.796	3.796	0.000	80	173199	25.0	24.0	
45 cis-1,2-Dichloroethene	96	3.839	3.839	0.000	68	316938	25.0	23.1	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	1022176	125.0	118.4	
48 Chlorobromomethane	128	4.070	4.070	0.000	93	181911	25.0	23.5	
49 Tetrahydrofuran	42	4.082	4.082	0.000	88	271620	50.0	46.1	
50 Chloroform	83	4.149	4.149	0.000	82	533474	25.0	22.6	
51 1,1,1-Trichloroethane	97	4.247	4.247	0.000	82	396843	25.0	25.2	
52 Cyclohexane	56	4.247	4.247	0.000	94	501541	25.0	21.1	
55 Carbon tetrachloride	117	4.374	4.374	0.000	85	302680	25.0	24.8	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	90	408022	25.0	24.2	
57 Benzene	78	4.593	4.593	0.000	97	1209770	25.0	23.5	
53 Isobutyl alcohol	43	4.654	4.654	0.000	60	366807	625.0	742.4	
58 1,2-Dichloroethane	62	4.666	4.666	0.000	79	505898	25.0	22.9	
59 n-Heptane	43	4.782	4.782	0.000	94	410889	25.0	19.7	
62 Trichloroethene	95	5.202	5.202	0.000	89	296175	25.0	23.1	
64 Methylcyclohexane	83	5.305	5.305	0.000	95	434279	25.0	20.8	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	86	300776	25.0	23.2	
67 Dibromomethane	93	5.573	5.573	0.000	84	197367	25.0	22.9	
66 1,4-Dioxane	88	5.597	5.597	0.000	78	83564	500.0	469.1	
68 Dichlorobromomethane	83	5.737	5.737	0.000	89	359616	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	95	192856	25.0	27.2	
72 cis-1,3-Dichloropropene	75	6.151	6.151	0.000	86	397828	25.0	26.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	2122764	125.0	126.8	
74 Toluene	92	6.425	6.425	0.000	93	769096	25.0	23.9	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	99	336588	25.0	30.1	
75 Ethyl methacrylate	69	6.777	6.777	0.000	75	325942	25.0	25.5	
79 1,1,2-Trichloroethane	83	6.905	6.905	0.000	94	229937	25.0	24.8	
81 Tetrachloroethene	166	6.942	6.942	0.000	91	355562	25.0	24.1	
82 1,3-Dichloropropane	76	7.057	7.057	0.000	97	472726	25.0	23.8	
80 2-Hexanone	43	7.136	7.136	0.000	98	1392960	125.0	132.2	
83 Chlorodibromomethane	129	7.288	7.288	0.000	88	254568	25.0	25.6	
84 Ethylene Dibromide	107	7.380	7.380	0.000	95	284547	25.0	28.2	
87 Chlorobenzene	112	7.854	7.854	0.000	94	891686	25.0	24.1	
88 Ethylbenzene	91	7.952	7.952	0.000	98	1405910	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	7.958	7.958	0.000	41	264655	25.0	27.5	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	99	568405	25.0	25.6	
91 o-Xylene	106	8.493	8.493	0.000	97	555622	25.0	24.9	
92 Styrene	104	8.523	8.523	0.000	94	937314	25.0	26.4	
95 Bromoform	173	8.767	8.767	0.000	92	160201	25.0	25.7	
94 Isopropylbenzene	105	8.882	8.882	0.000	96	1483445	25.0	23.9	
101 Bromobenzene	156	9.223	9.223	0.000	90	392514	25.0	23.3	
97 1,1,2,2-Tetrachloroethane	83	9.308	9.308	0.000	71	389139	25.0	24.4	
99 N-Propylbenzene	91	9.320	9.320	0.000	98	1669685	25.0	24.3	
100 1,2,3-Trichloropropane	110	9.339	9.339	0.000	68	139643	25.0	24.0	
98 trans-1,4-Dichloro-2-butene	53	9.363	9.363	0.000	71	91264	25.0	17.1	
103 2-Chlorotoluene	126	9.424	9.424	0.000	95	353967	25.0	23.6	
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	95	1263503	25.0	24.3	
105 4-Chlorotoluene	126	9.545	9.545	0.000	97	372513	25.0	24.1	
106 tert-Butylbenzene	134	9.844	9.844	0.000	92	291472	25.0	24.2	
107 1,2,4-Trimethylbenzene	105	9.904	9.904	0.000	60	1302768	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	1607707	25.0	24.1	
111 1,3-Dichlorobenzene	146	10.196	10.196	0.000	98	755499	25.0	23.4	
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	1417296	25.0	24.3	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	776933	25.0	22.9	
115 n-Butylbenzene	91	10.610	10.610	0.000	95	1170347	25.0	23.7	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	98	769098	25.0	24.1	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	73	58855	25.0	26.8	
119 1,2,4-Trichlorobenzene	180	12.070	12.070	0.000	94	552772	25.0	23.3	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	96	261969	25.0	23.9	
121 Naphthalene	128	12.283	12.283	0.000	97	1491223	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	94	559302	25.0	23.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00220	Amount Added: 12.50	Units: uL	
GAS CORP mix_00499	Amount Added: 12.50	Units: uL	
S_8260_IS_00354	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Mar-2022 10:51:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8814.D

Injection Date: 05-Mar-2022 22:53:30 Instrument ID: HP5973S Operator ID: OI

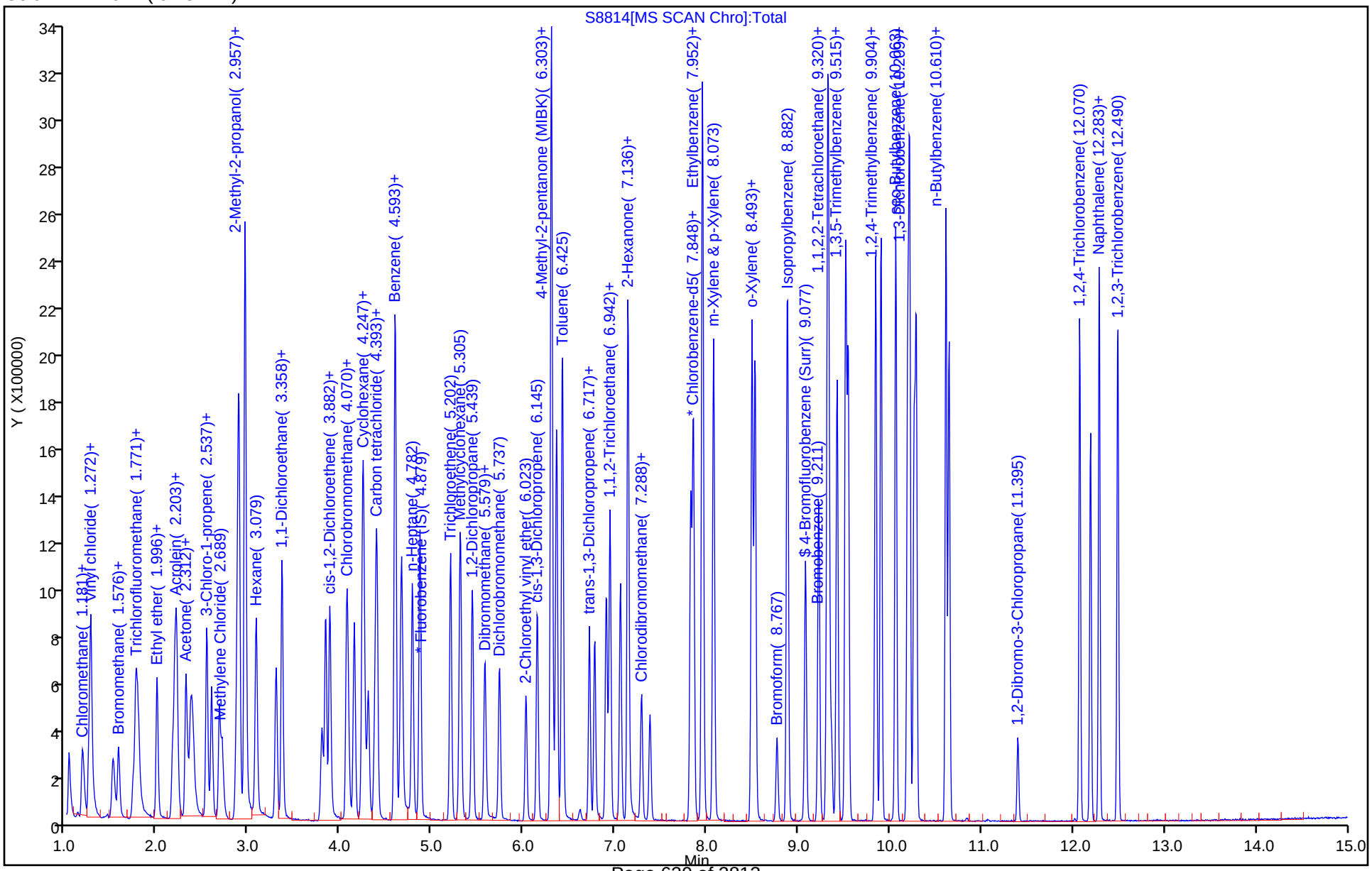
Lims ID: CCVIS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

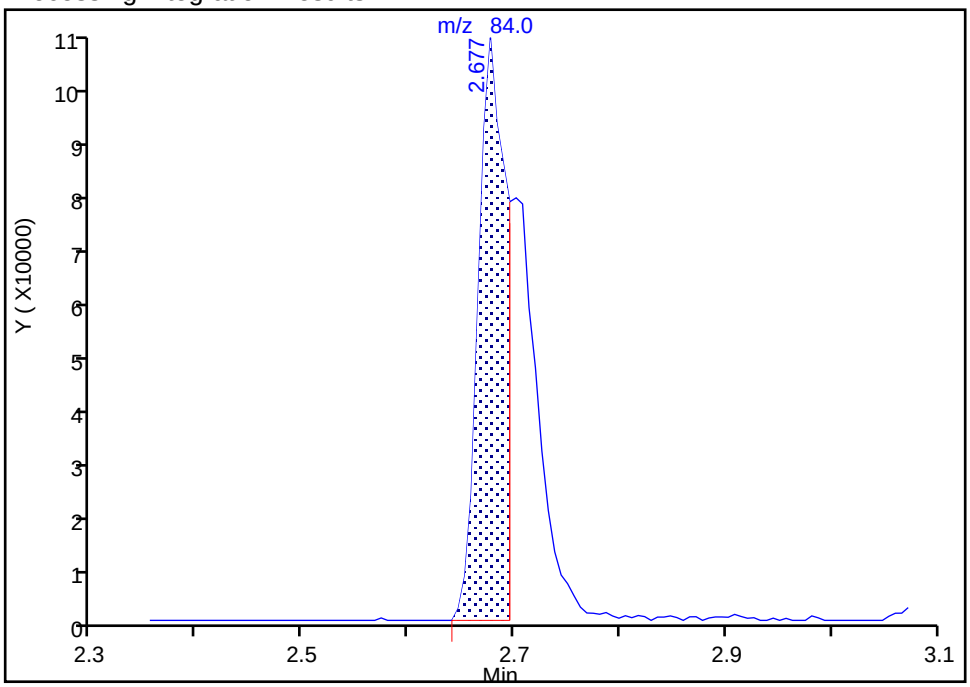
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8814.D				
Injection Date:	05-Mar-2022 22:53:30	Instrument ID:	HP5973S		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	OI	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

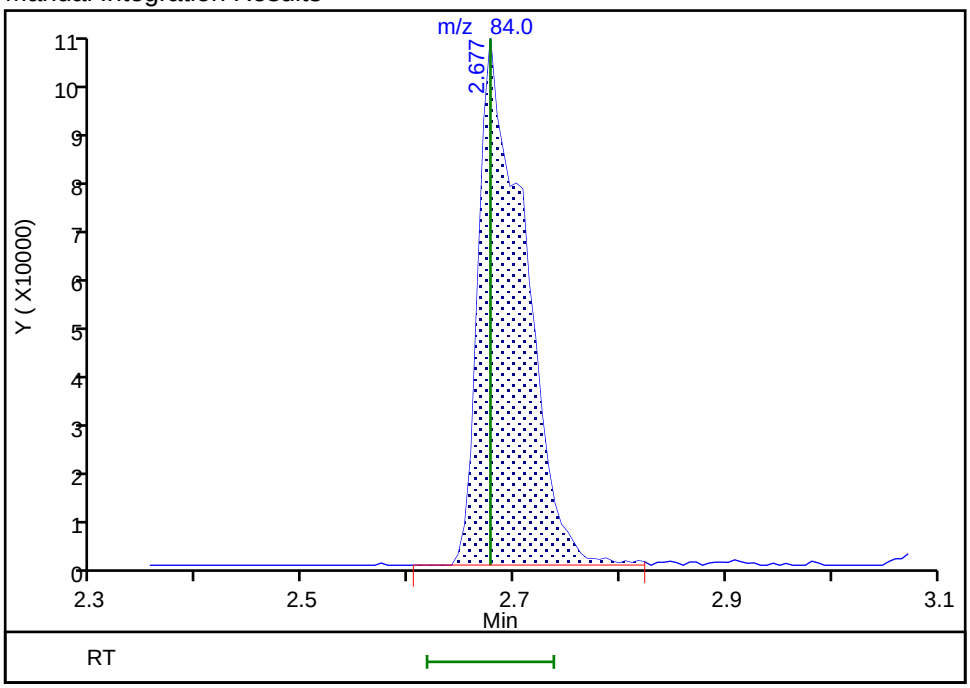
Processing Integration Results

RT: 2.68
Area: 189772
Amount: 13.639825
Amount Units: ug/L



Manual Integration Results

RT: 2.68
Area: 313280
Amount: 23.079222
Amount Units: ug/L



Reviewer: kiwana, 07-Mar-2022 10:50:25

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1303.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Feb-2022 14:38:30	ALS Bottle#:	9	Worklist Smp#:	7
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0103740-007				
Operator ID:	LH	Instrument ID:	HP5973N		
Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	03-Feb-2022 14:49:29	Calib Date:	03-Jan-2022 21:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220103-103333.b\N0789.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1676				
First Level Reviewer: HillL		Date:	03-Feb-2022 14:49:29		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.880	4.880	0.000	86	334827	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

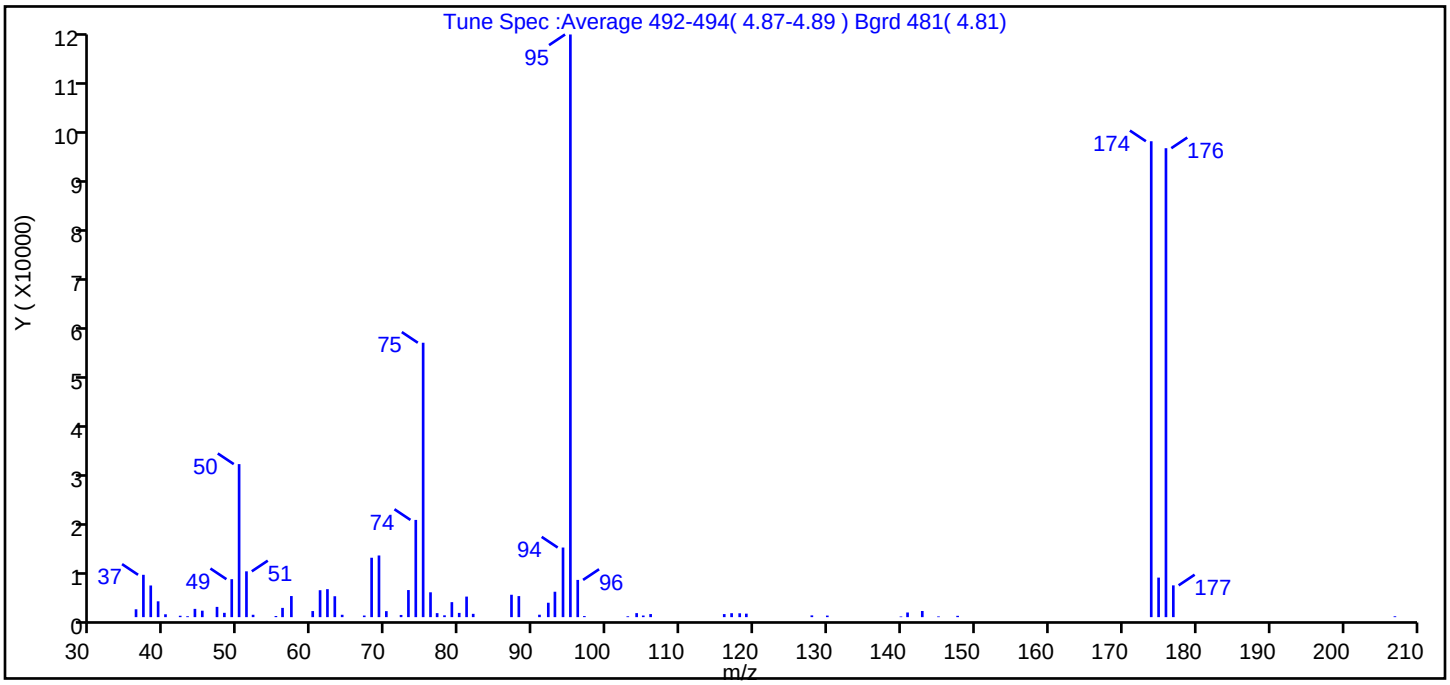
BFB_WRK_00131 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1303.D				
Injection Date:	03-Feb-2022 14:38:30	Instrument ID:	HP5973N		
Lims ID:	BFB				
Client ID:					
Operator ID:	LH	ALS Bottle#:	9	Worklist Smp#:	7
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.3
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.7
175	5 to 9% of m/z 174	6.8 (8.3)
176	Greater than 95% but less than 101% of m/z 174	80.5 (98.5)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1303.D\N-8260.rslt\spectra.d
Injection Date: 03-Feb-2022 14:38:30
Spectrum: Tune Spec :Average 492-494(4.87-4.89) Bgrd 481(4.81)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1597	57.00	4283	79.00	3045	116.00	622
37.00	8596	60.00	1235	80.00	860	117.00	801
38.00	6426	61.00	5468	81.00	4173	118.00	783
39.00	3214	62.00	5682	82.00	672	119.00	710
40.00	582	63.00	4244	87.00	4543	128.00	358
42.00	284	64.00	483	88.00	4273	130.00	318
43.00	184	67.00	326	91.00	493	140.00	133
44.00	1680	68.00	12060	92.00	2923	141.00	945
45.00	1311	69.00	12518	93.00	5157	143.00	1249
47.00	2081	70.00	1219	94.00	14130	145.00	146
48.00	876	72.00	442	95.00	118280	148.00	268
49.00	7706	73.00	5499	96.00	7558	174.00	96608
50.00	31064	74.00	19736	97.00	219	175.00	8025
51.00	9300	75.00	55704	103.00	175	176.00	95192
52.00	484	76.00	5045	104.00	818	177.00	6451
55.00	233	77.00	813	105.00	328	207.00	177
56.00	1879	78.00	371	106.00	625		

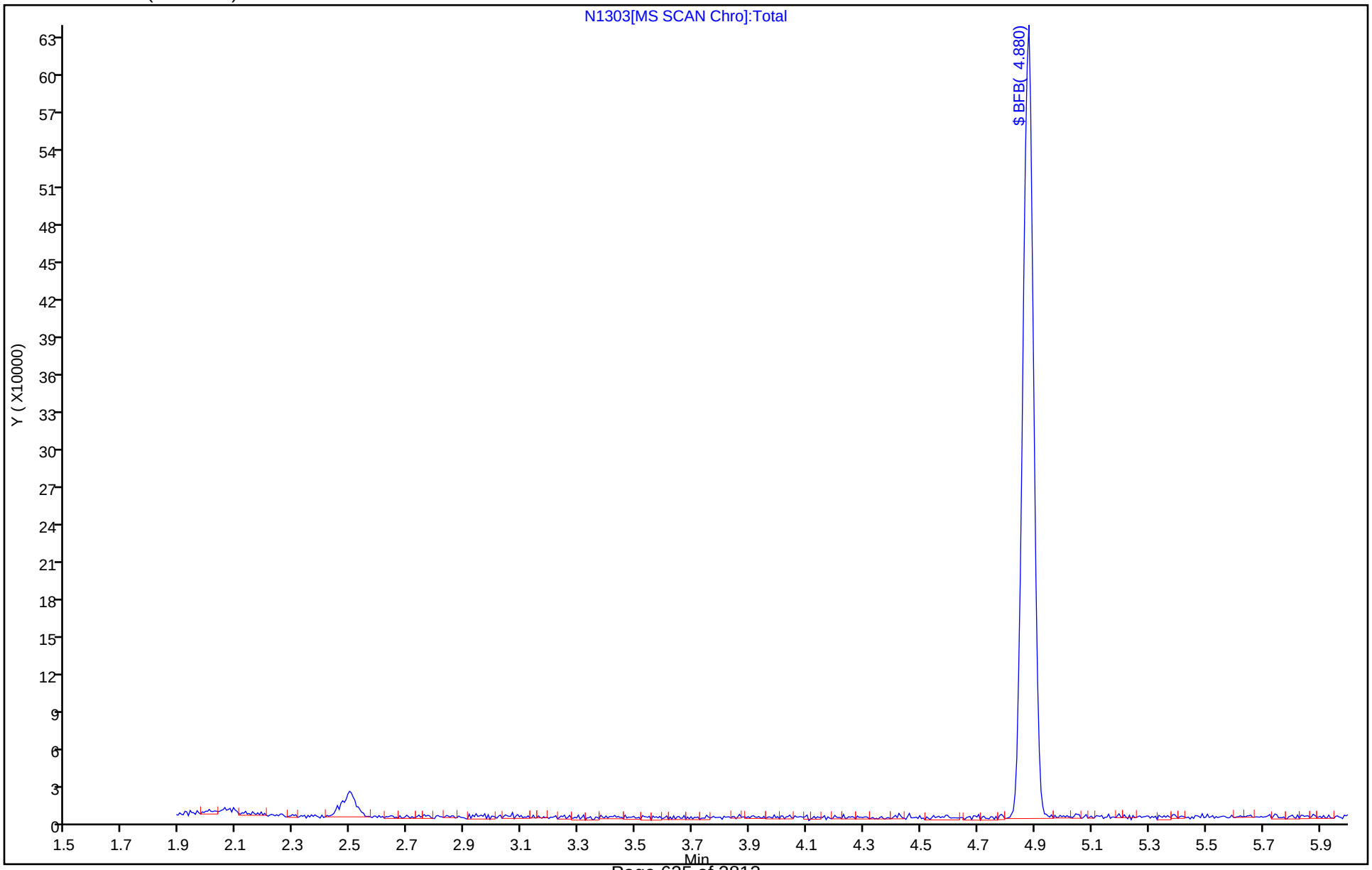
Report Date: 03-Feb-2022 14:49:30 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1303.D

Injection Date:	03-Feb-2022 14:38:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1978.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-Mar-2022 08:47:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0104250-002				
Operator ID:	AG/OI	Instrument ID:	HP5973N		
Method:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	08-Mar-2022 08:59:38	Calib Date:	03-Feb-2022 22:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1650				

First Level Reviewer: izquierdoo Date: 08-Mar-2022 08:59:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.856	4.856	0.000	87	376830	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

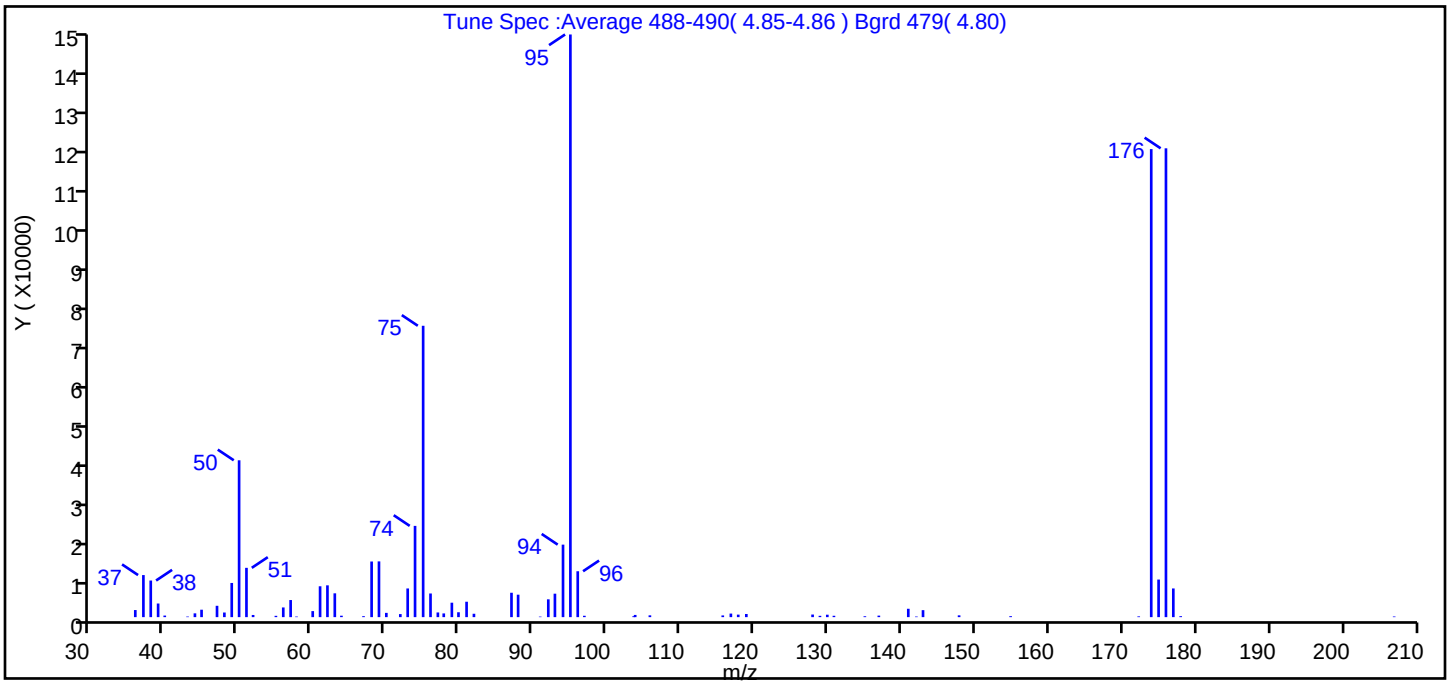
BFB_WRK_00132 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1978.D
Injection Date: 08-Mar-2022 08:47:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AG/OI ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.9
75	30 to 60% of m/z 95	50.0
96	5 to 9% of m/z 95	7.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.3
175	5 to 9% of m/z 174	6.5 (8.0)
176	Greater than 95% but less than 101% of m/z 174	80.5 (100.2)
177	5 to 9% of m/z 176	4.9 (6.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1978.D\N-8260.rslt\spectra.d
Injection Date: 08-Mar-2022 08:47:30
Spectrum: Tune Spec :Average 488-490(4.85-4.86) Bgrd 479(4.80)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1790	60.00	1523	81.00	3890	128.00	660
37.00	10615	61.00	7790	82.00	854	129.00	335
38.00	9238	62.00	8024	87.00	6153	130.00	613
39.00	3440	63.00	6009	88.00	5666	131.00	345
40.00	397	64.00	363	91.00	136	135.00	222
43.00	148	67.00	243	92.00	4497	137.00	384
44.00	959	68.00	14037	93.00	5919	141.00	2113
45.00	1876	69.00	14066	94.00	18296	142.00	154
47.00	2863	70.00	1078	95.00	147008	143.00	1764
48.00	1168	72.00	771	96.00	11581	148.00	454
49.00	8625	73.00	7236	97.00	347	155.00	243
50.00	39576	74.00	23024	104.00	233	172.00	190
51.00	12442	75.00	73512	104.00	558	174.00	118088
52.00	547	76.00	5969	106.00	455	175.00	9485
55.00	333	77.00	1180	116.00	432	176.00	118288
56.00	2446	78.00	940	117.00	901	177.00	7239
57.00	4316	79.00	3645	118.00	634	178.00	241
58.00	148	80.00	1232	119.00	795	207.00	162

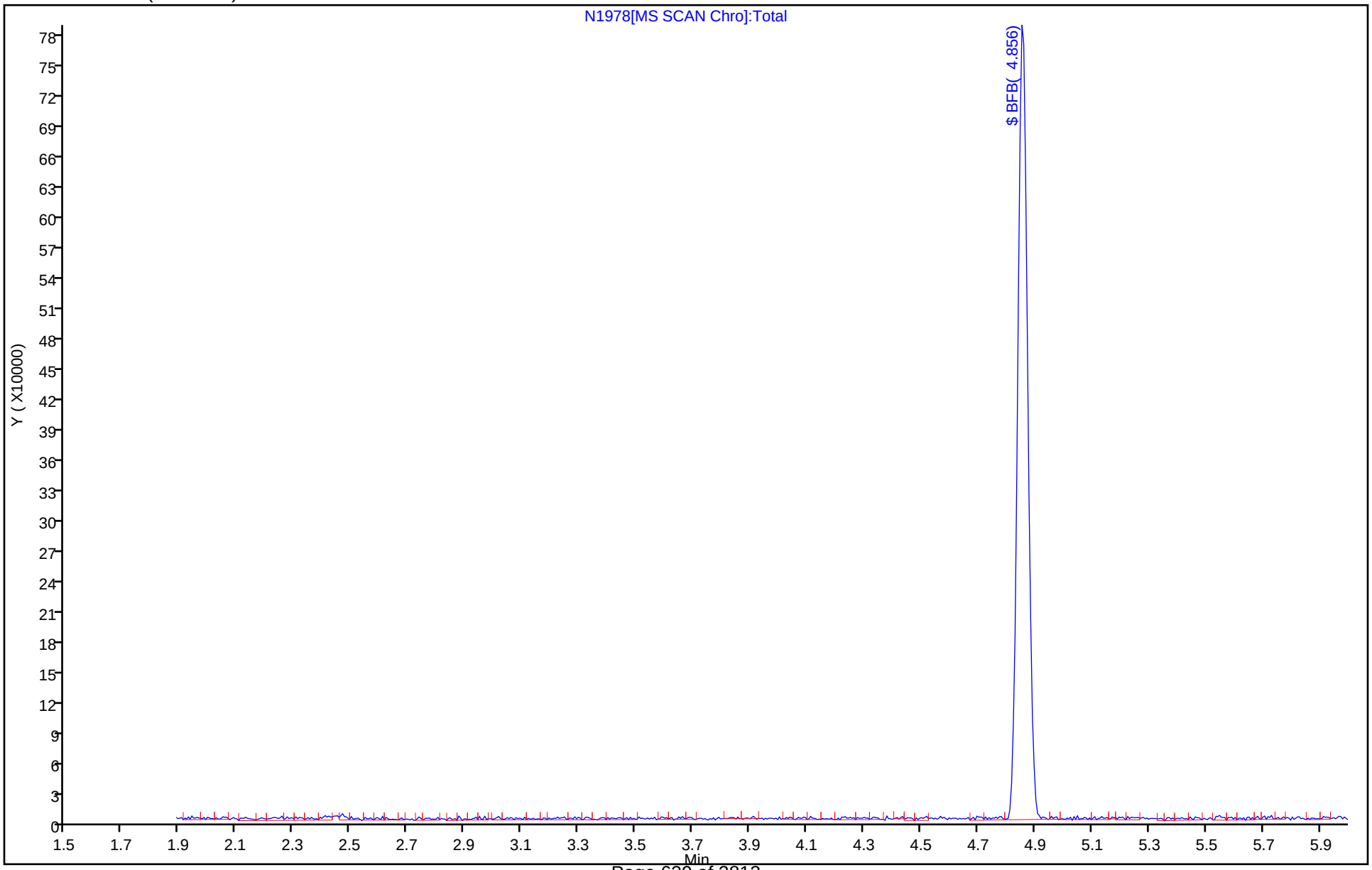
Report Date: 08-Mar-2022 08:59:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1978.D

Injection Date:	08-Mar-2022 08:47:30	Instrument ID:	HP5973N	Operator ID:	AG/OI
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8644.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Feb-2022 18:24:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Operator ID:	AG/LH	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	03-Mar-2022 14:36:20	Calib Date:	25-Feb-2022 02:14:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1611				

First Level Reviewer: gruninga Date: 25-Feb-2022 13:30:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.260	3.260	0.000	0	239324	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

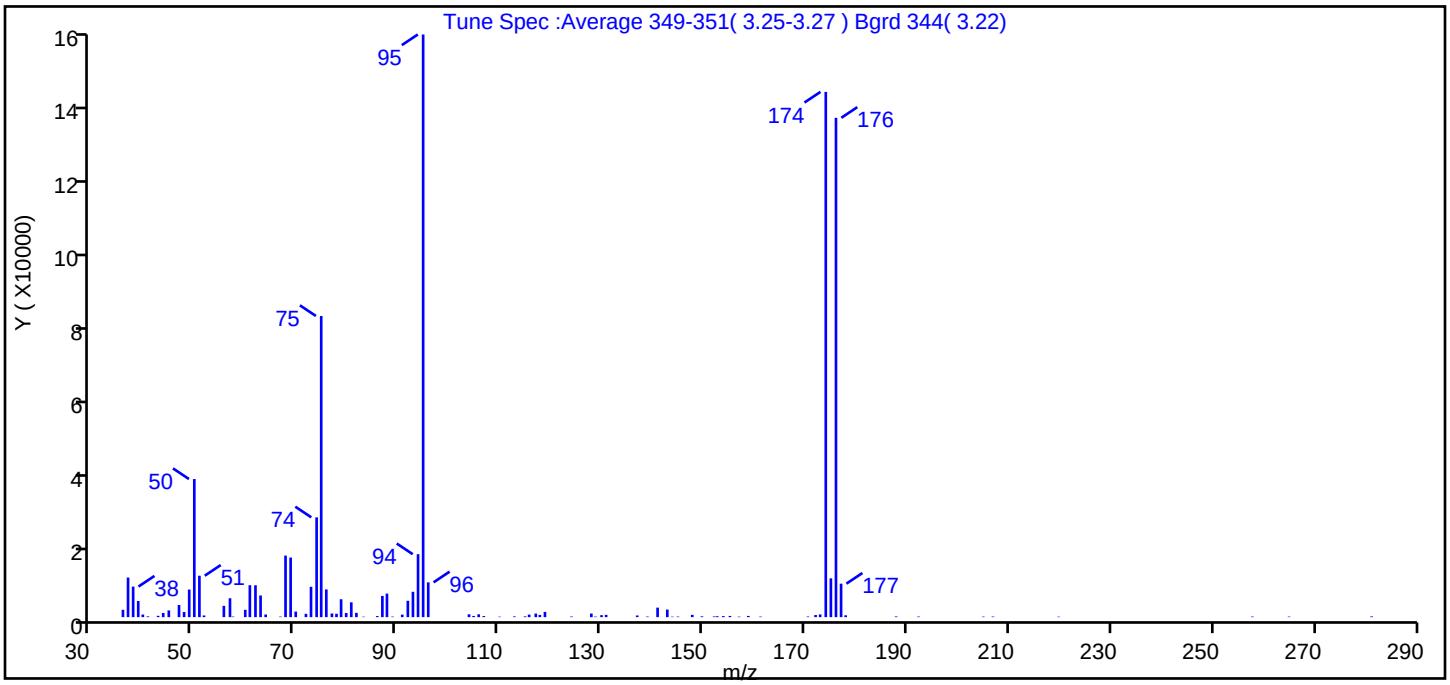
BFB_WRK_00131 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8644.D				
Injection Date:	24-Feb-2022 18:24:30	Instrument ID:	HP5973S		
Lims ID:	BFB				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.7
75	30 to 60% of m/z 95	51.7
96	5 to 9% of m/z 95	6.0
173	Less than 2% of m/z 174	0.5 (0.5)
174	50 to 120% of m/z 95	90.1
175	5 to 9% of m/z 174	6.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	85.7 (95.1)
177	5 to 9% of m/z 176	5.7 (6.7)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8644.D\S-8260.rslt\spectra.d
Injection Date: 24-Feb-2022 18:24:30
Spectrum: Tune Spec :Average 349-351(3.25-3.27) Bgrd 344(3.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 96

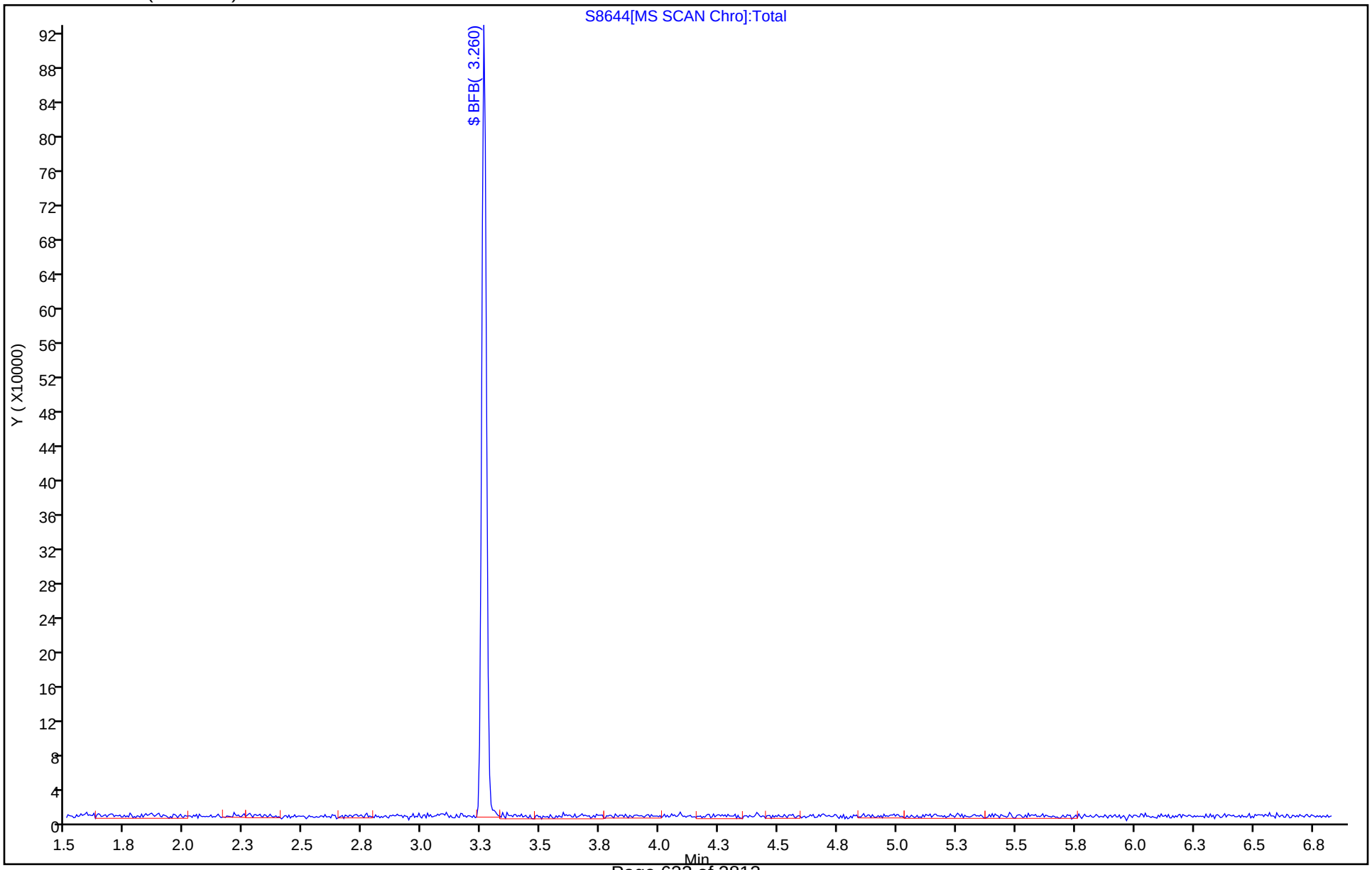
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1926	68.00	16124	96.00	9117	150.00	212
37.00	10374	69.00	15607	104.00	752	152.00	182
38.00	8004	70.00	1455	105.00	312	153.00	243
39.00	4226	72.00	876	106.00	743	154.00	274
40.00	687	73.00	7950	107.00	282	155.00	322
41.00	199	74.00	26144	110.00	123	157.00	137
43.00	346	75.00	78896	113.00	195	159.00	321
44.00	1085	76.00	7263	115.00	208	161.00	145
45.00	1759	77.00	960	116.00	662	170.00	164
47.00	3185	78.00	881	117.00	939	172.00	552
48.00	1360	79.00	4692	118.00	575	173.00	703
49.00	7227	80.00	1081	119.00	1372	174.00	137600
50.00	36176	81.00	3882	124.00	163	175.00	10164
51.00	10853	82.00	1122	128.00	943	176.00	130808
52.00	442	83.00	120	129.00	144	177.00	8770
56.00	2958	86.00	281	130.00	520	178.00	480
57.00	4949	87.00	5555	131.00	595	188.00	188
58.00	142	88.00	6170	137.00	439	192.00	153
60.00	1922	89.00	140	139.00	154	205.00	139
61.00	8374	91.00	659	141.00	2493	207.00	156
62.00	8359	92.00	4289	143.00	1983	220.00	127
63.00	5677	93.00	6642	144.00	124	258.00	151
64.00	694	94.00	16496	145.00	149	265.00	143
67.00	145	95.00	152640	148.00	600	281.00	192

Report Date: 03-Mar-2022 14:36:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8644.D				
Injection Date:	24-Feb-2022 18:24:30	Instrument ID:	HP5973S	Operator ID:	AG/LH
Lims ID:	BFB			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8712.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Mar-2022 11:33:30	ALS Bottle#:	6	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0104194-003				
Operator ID:	AG/LH	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	03-Mar-2022 12:28:25	Calib Date:	25-Feb-2022 02:14:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1611				
First Level Reviewer: HillL		Date:	03-Mar-2022 12:28:25		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.279	3.279	0.000	0	439102	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

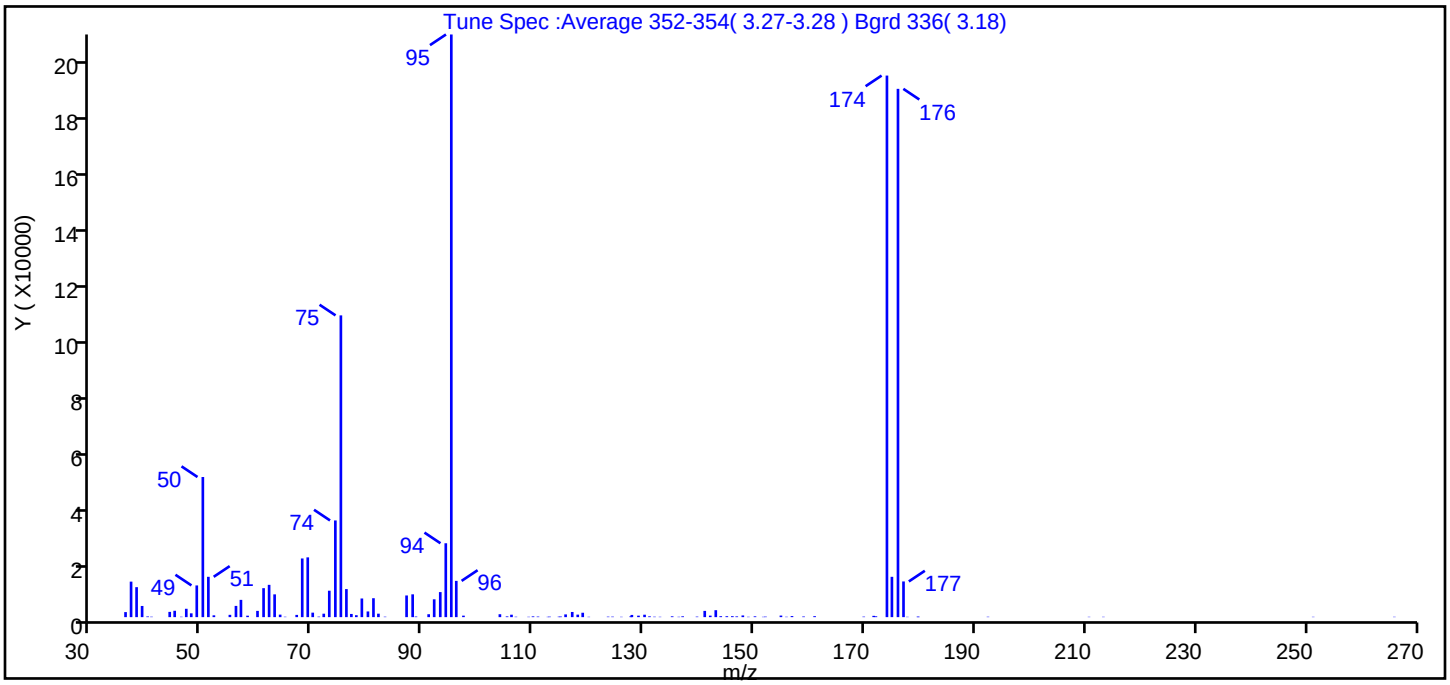
BFB_WRK_00131 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8712.D				
Injection Date:	03-Mar-2022 11:33:30	Instrument ID:	HP5973S		
Lims ID:	BFB				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	6	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.0
75	30 to 60% of m/z 95	51.8
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.9
175	5 to 9% of m/z 174	6.9 (7.4)
176	Greater than 95% but less than 101% of m/z 174	90.7 (97.5)
177	5 to 9% of m/z 176	6.1 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8712.D\S-8260.rslt\spectra.d
Injection Date: 03-Mar-2022 11:33:30
Spectrum: Tune Spec :Average 352-354(3.27-3.28) Bgrd 336(3.18)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 114

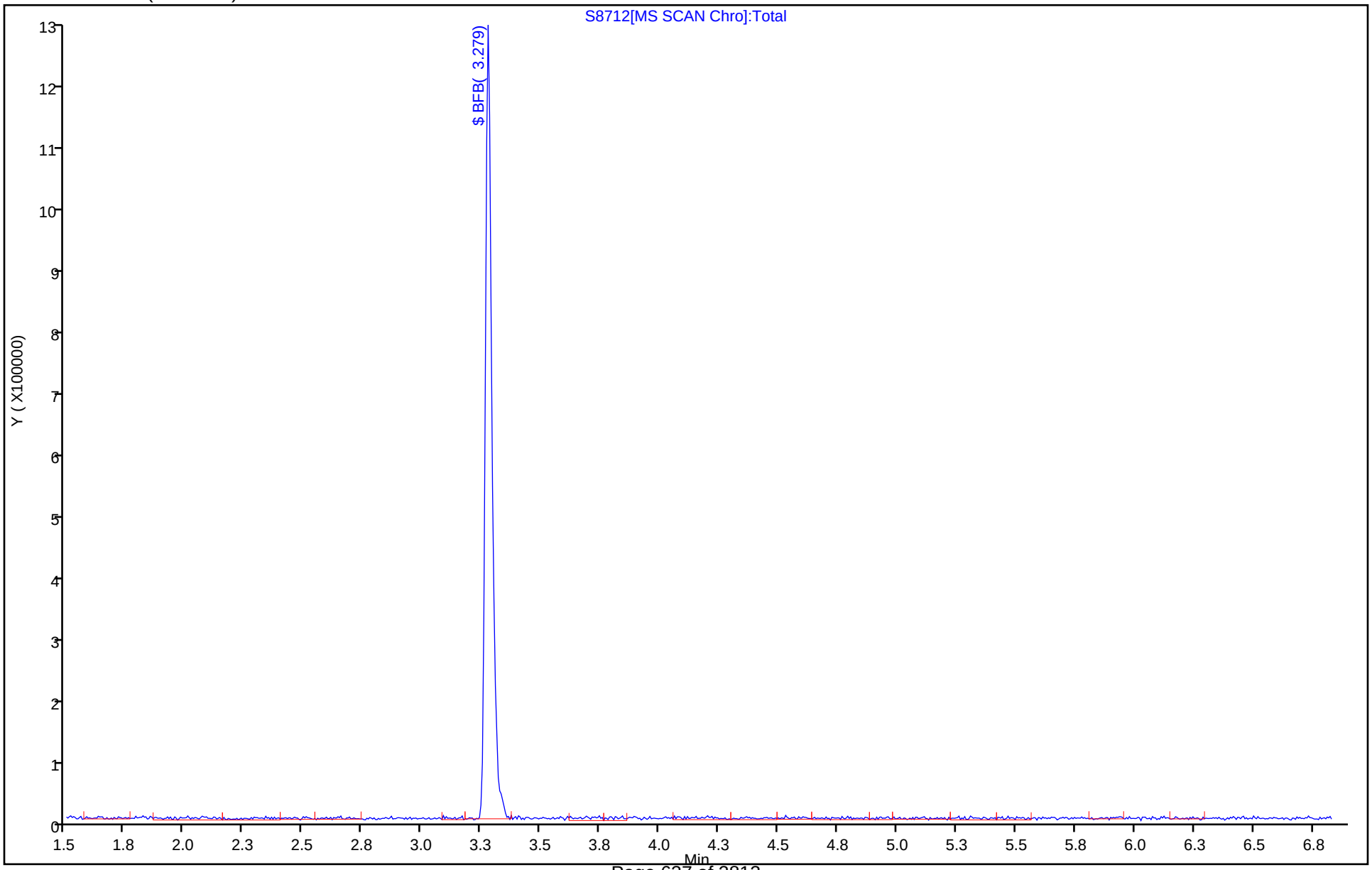
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1799	71.00	181	111.00	205	146.00	340
37.00	12666	72.00	1232	113.00	119	147.00	268
38.00	10693	73.00	9426	113.00	170	148.00	602
39.00	3987	74.00	34488	115.00	174	149.00	128
40.00	243	75.00	107624	115.00	201	150.00	288
41.00	153	76.00	10008	116.00	979	152.00	119
44.00	1878	77.00	1141	117.00	1845	152.00	180
45.00	2270	78.00	694	118.00	897	155.00	561
46.00	147	79.00	6654	119.00	1568	156.00	136
47.00	2983	80.00	2033	120.00	127	157.00	378
48.00	1360	81.00	6750	124.00	175	159.00	229
49.00	11311	82.00	1238	124.00	178	161.00	343
50.00	49976	83.00	158	126.00	122	170.00	181
51.00	14387	87.00	7732	128.00	299	172.00	463
52.00	649	88.00	8137	128.00	787	172.00	297
55.00	825	89.00	215	129.00	532	174.00	193152
56.00	4008	91.00	1040	130.00	866	175.00	14380
57.00	6162	92.00	6366	131.00	278	176.00	188416
58.00	519	93.00	8932	132.00	157	177.00	12732
60.00	2231	94.00	26352	133.00	129	178.00	117
61.00	10333	95.00	207808	135.00	289	180.00	165
62.00	11521	96.00	12934	136.00	129	180.00	139
63.00	8125	97.00	535	137.00	293	192.00	143
64.00	896	104.00	1039	140.00	190	211.00	119
65.00	142	105.00	267	141.00	2230	213.00	122
67.00	802	106.00	870	142.00	536	251.00	119
68.00	20928	107.00	144	143.00	2480	266.00	124
69.00	21320	109.00	127	144.00	339		
70.00	1603	110.00	269	145.00	332		

Report Date: 03-Mar-2022 12:28:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8712.D				
Injection Date:	03-Mar-2022 11:33:30	Instrument ID:	HP5973S	Operator ID:	AG/LH
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8813.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Mar-2022 22:30:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	IBLK				
Misc. Info.:	480-0104224-003				
Operator ID:	OI	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Mar-2022 10:22:45	Calib Date:	25-Feb-2022 02:14:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1684				
First Level Reviewer: kiwana		Date:	07-Mar-2022 10:22:45		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.309	3.309	0.000	0	1581421	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

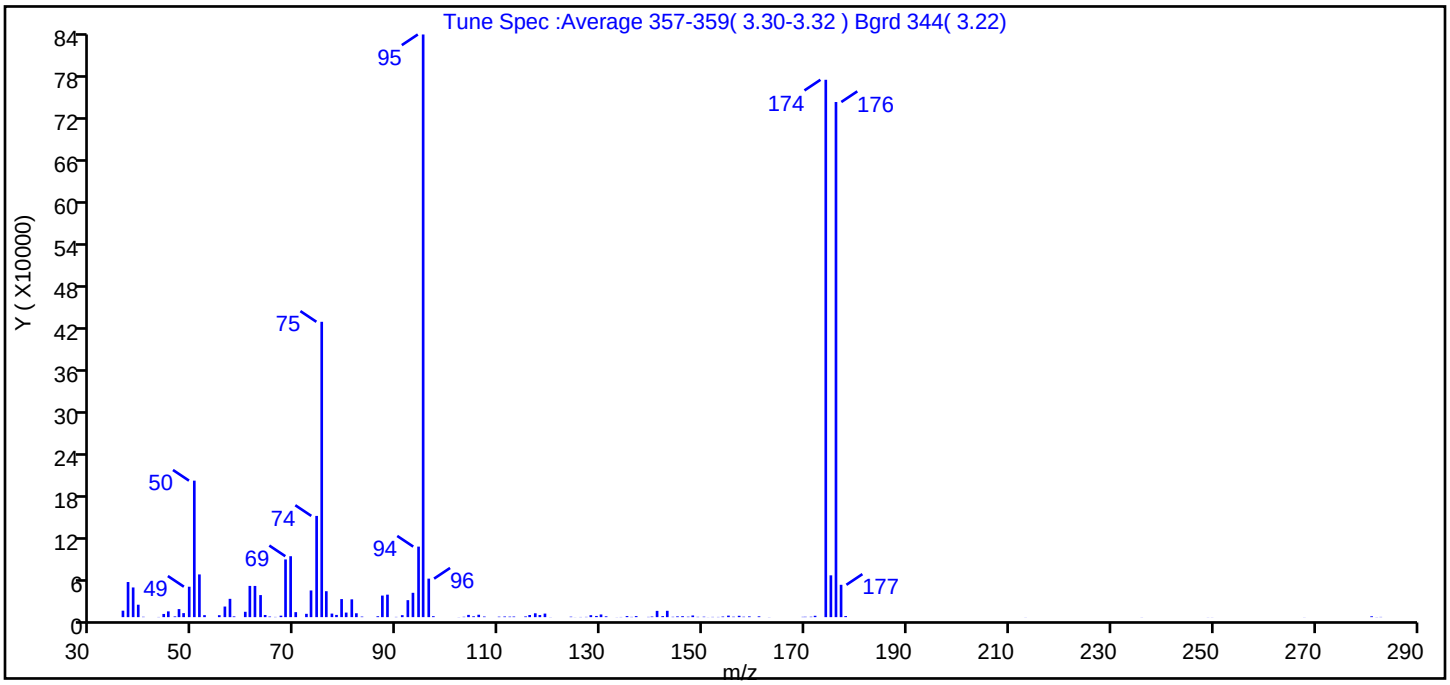
BFB_WRK_00131 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8813.D				
Injection Date:	05-Mar-2022 22:30:30	Instrument ID:	HP5973S		
Lims ID:	BFB				
Client ID:					
Operator ID:	OI	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.4
75	30 to 60% of m/z 95	50.7
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.2
175	5 to 9% of m/z 174	7.2 (7.8)
176	Greater than 95% but less than 101% of m/z 174	88.4 (95.9)
177	5 to 9% of m/z 176	5.6 (6.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8813.D\S-8260.rslt\spectra.d
Injection Date: 05-Mar-2022 22:30:30
Spectrum: Tune Spec :Average 357-359(3.30-3.32) Bgrd 344(3.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9274	73.00	38264	113.00	884	150.00	643
37.00	50360	74.00	145152	115.00	1047	151.00	117
38.00	42560	75.00	423488	116.00	3070	152.00	357
39.00	17816	76.00	37192	117.00	5526	153.00	311
40.00	514	77.00	5104	118.00	3016	154.00	871
43.00	267	78.00	3201	119.00	5099	155.00	2186
44.00	4588	79.00	25904	120.00	166	156.00	653
45.00	8282	80.00	6533	124.00	657	157.00	1933
46.00	1058	81.00	25544	125.00	117	158.00	620
47.00	11524	82.00	5564	126.00	270	159.00	1088
48.00	5780	83.00	800	127.00	373	161.00	1181
49.00	43640	86.00	1304	128.00	2821	163.00	164
50.00	195712	87.00	30920	129.00	1705	170.00	435
51.00	61256	88.00	32240	130.00	3816	170.00	534
52.00	2849	90.00	356	131.00	1170	171.00	600
55.00	2774	91.00	2820	133.00	133	172.00	1961
56.00	15203	92.00	24352	134.00	252	174.00	770496
57.00	26248	93.00	34896	135.00	1561	175.00	59944
58.00	1064	94.00	101136	136.00	371	176.00	738624
60.00	7691	95.00	835456	137.00	1528	177.00	46384
61.00	44784	96.00	55216	139.00	368	178.00	1547
62.00	44744	97.00	1335	140.00	907	213.00	122
63.00	31632	102.00	163	141.00	8991	236.00	140
64.00	3090	103.00	539	142.00	1468	249.00	118
65.00	844	104.00	3238	143.00	9102	250.00	122
66.00	331	105.00	1216	144.00	507	268.00	129
67.00	2112	106.00	3442	145.00	1120	281.00	1221
68.00	82744	107.00	886	146.00	1366	282.00	180
69.00	87360	110.00	699	147.00	654	283.00	327
70.00	7167	111.00	936	148.00	2378		
72.00	4781	112.00	755	149.00	452		

Report Date: 07-Mar-2022 10:22:46 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220305-104224.b\S8813.D

Injection Date: 05-Mar-2022 22:30:30 Instrument ID: HP5973S Operator ID: OI

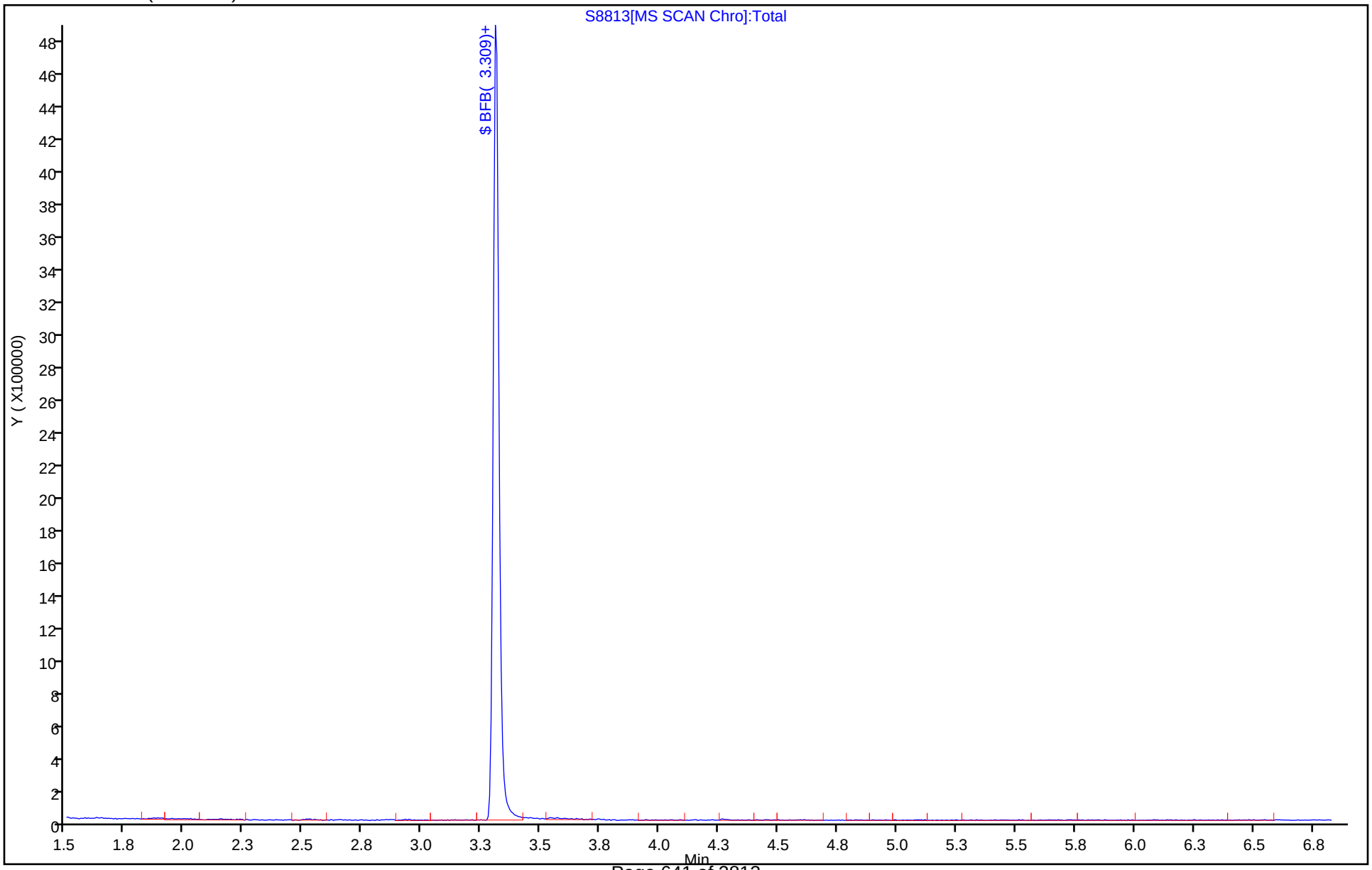
Lims ID: BFB Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 uL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 480-616692/2-A
Matrix: Solid | Lab File ID: S8718.D
Analysis Method: 8260C | Date Collected:
Sample wt/vol: 5(g) | Date Analyzed: 03/03/2022 14:13
Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1
Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: | Level: (low/med) Medium
Analysis Batch No.: 616658 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
79-00-5	1,1,2-Trichloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	35
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
95-50-1	1,2-Dichlorobenzene	ND		100	26
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	46
56-23-5	Carbon tetrachloride	ND		100	26
108-90-7	Chlorobenzene	ND		100	13
124-48-1	Dibromochloromethane	ND		100	48
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	69
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	28
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
75-71-8	Dichlorodifluoromethane	ND		100	44
100-41-4	Ethylbenzene	ND		100	29
106-93-4	1,2-Dibromoethane	ND		100	18
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-616692/2-A
Matrix: Solid
Lab File ID: S8718.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 03/03/2022 14:13
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 616658
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		500	48
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	34
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	91		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D
Lims ID: MB 480-616692/2-A
Client ID:
Sample Type: MB
Inject. Date: 03-Mar-2022 14:13:30 ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-616692/2-A
Misc. Info.: 480-0104194-009
Operator ID: AG/LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 15:15:42 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: HillL Date: 03-Mar-2022 15:15:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.867	4.867	0.000	99	194949	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	88	393181	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.264	10.263	0.001	94	407485	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.302	4.301	0.000	59	251803	25.0	22.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.600	4.600	0.000	97	173139	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	94	987957	25.0	23.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	91	312926	25.0	23.7	
10 Dichlorodifluoromethane	85		1.035					ND	
11 Chlorodifluoromethane	51		1.047					ND	7
12 Chloromethane	50		1.181					ND	
13 Vinyl chloride	62		1.254					ND	
151 Butadiene	54		1.272					ND	
14 Bromomethane	94		1.515					ND	U
15 Chloroethane	64		1.576					ND	
17 Trichlorofluoromethane	101		1.759					ND	
16 Dichlorofluoromethane	67		1.771					ND	7
18 Ethyl ether	59		1.996					ND	
148 Ethanol	45		2.002					ND	U
19 Propene oxide	58		2.075					ND	
20 Acrolein	56		2.166					ND	U
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.197					ND	
22 1,1-Dichloroethene	96		2.209					ND	
23 Acetone	43		2.312					ND	U
25 Iodomethane	142		2.361					ND	
26 Carbon disulfide	76		2.385					ND	7
24 Isopropyl alcohol	45		2.489					ND	
28 3-Chloro-1-propene	41		2.537					ND	7
27 Methyl acetate	43		2.592					ND	
29 Acetonitrile	40		2.598					ND	U
30 Methylene Chloride	84		2.677					ND	7
31 2-Methyl-2-propanol	59		2.860					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.884					ND	
34 trans-1,2-Dichloroethene	96		2.890					ND	
33 Acrylonitrile	53		2.957					ND	
35 Hexane	57		3.079					ND	
39 1,1-Dichloroethane	63		3.298					ND	
36 Isopropyl ether	45		3.316					ND	
40 2-Chloro-1,3-butadiene	53		3.352					ND	
37 Vinyl acetate	43		3.359					ND	
38 1,1-Dimethoxyethane	75		3.389					ND	
41 Tert-butyl ethyl ether	59		3.644					ND	
44 2,2-Dichloropropane	77		3.797					ND	
139 Halothane	117		3.822					ND	
45 cis-1,2-Dichloroethene	96		3.839					ND	
43 2-Butanone (MEK)	43		3.882					ND	
42 Ethyl acetate	43		3.918					ND	U
46 Propionitrile	54		3.979					ND	
48 Chlorobromomethane	128		4.064					ND	
47 Methacrylonitrile	41		4.083					ND	
49 Tetrahydrofuran	42	4.089	4.083	0.006	72	6192		0.9823	
50 Chloroform	83		4.149					ND	7
52 Cyclohexane	56		4.247					ND	
51 1,1,1-Trichloroethane	97		4.247					ND	
55 Carbon tetrachloride	117		4.381					ND	
54 1,1-Dichloropropene	75		4.393					ND	
152 Isooctane	57		4.594					ND	
57 Benzene	78		4.594					ND	
53 Isobutyl alcohol	43		4.661					ND	
58 1,2-Dichloroethane	62		4.667					ND	
56 Tert-amyl methyl ether	73		4.679					ND	
147 t-Amyl alcohol	59		4.703					ND	
59 n-Heptane	43		4.782					ND	U
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
1 1,4-Difluorobenzene	114		4.983					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
62 Trichloroethene	95		5.202					ND	
60 n-Butanol	56		5.269					ND	U
64 Methylcyclohexane	83		5.305					ND	
142 Ethyl acrylate	55		5.348					ND	U
65 1,2-Dichloropropane	63		5.439					ND	
63 Methyl methacrylate	41		5.561					ND	
67 Dibromomethane	93		5.573					ND	
66 1,4-Dioxane	88		5.591					ND	
68 Dichlorobromomethane	83		5.731					ND	
70 2-Nitropropane	43		5.987					ND	
69 2-Chloroethyl vinyl ether	63		6.023					ND	
71 Epichlorohydrin	57		6.108					ND	
72 cis-1,3-Dichloropropene	75		6.151					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.303					ND	U
74 Toluene	92		6.425					ND	
76 2-Methylthiophene	97		6.559					ND	
77 trans-1,3-Dichloropropene	75		6.717					ND	
78 3-Methylthiophene	97		6.723					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.778					ND	
79 1,1,2-Trichloroethane	83		6.899					ND	
81 Tetrachloroethene	166		6.942					ND	
82 1,3-Dichloropropane	76		7.051					ND	
80 2-Hexanone	43		7.137					ND	
155 n-Butyl acetate	43		7.252					ND	
83 Chlorodibromomethane	129		7.289					ND	
84 Ethylene Dibromide	107		7.380					ND	
146 1-Chlorohexane	55		7.818					ND	U
85 3-Chlorobenzotrifluoride	180		7.848					ND	
87 Chlorobenzene	112		7.854					ND	
86 4-Chlorobenzotrifluoride	180		7.909					ND	
88 Ethylbenzene	91		7.952					ND	
89 1,1,1,2-Tetrachloroethane	131		7.958					ND	
90 m-Xylene & p-Xylene	106		8.073					ND	
91 o-Xylene	106		8.493					ND	
92 Styrene	104		8.530					ND	
95 Bromoform	173		8.767					ND	
93 2-Chlorobenzotrifluoride	180		8.816					ND	
94 Isopropylbenzene	105		8.876					ND	
96 Cyclohexanone	55		9.053					ND	
101 Bromobenzene	156		9.223					ND	
97 1,1,2,2-Tetrachloroethane	83		9.314					ND	
99 N-Propylbenzene	91		9.321					ND	
100 1,2,3-Trichloropropane	110		9.333					ND	
98 trans-1,4-Dichloro-2-butene	53		9.357					ND	
103 2-Chlorotoluene	126		9.424					ND	
104 3-Chlorotoluene	126		9.497					ND	
102 1,3,5-Trimethylbenzene	105		9.515					ND	
105 4-Chlorotoluene	126		9.546					ND	
106 tert-Butylbenzene	134		9.844					ND	
108 Pentachloroethane	167		9.898					ND	
107 1,2,4-Trimethylbenzene	105		9.905					ND	
109 sec-Butylbenzene	105		10.063					ND	
111 1,3-Dichlorobenzene	146		10.190					ND	
110 4-Isopropyltoluene	119		10.215					ND	
114 Dicyclopentadiene	66		10.257					ND	U
113 1,4-Dichlorobenzene	146		10.288					ND	7
112 1,2,3-Trimethylbenzene	105		10.324					ND	
150 Benzyl chloride	126		10.446					ND	
115 n-Butylbenzene	91		10.610					ND	7
116 1,2-Dichlorobenzene	146		10.647					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.395					ND	
118 1,3,5-Trichlorobenzene	180		11.529					ND	
119 1,2,4-Trichlorobenzene	180		12.070					ND	
120 Hexachlorobutadiene	225		12.192					ND	
121 Naphthalene	128		12.283					ND	
122 1,2,3-Trichlorobenzene	180		12.490					ND	
149 2-Methylnaphthalene	142		13.208					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

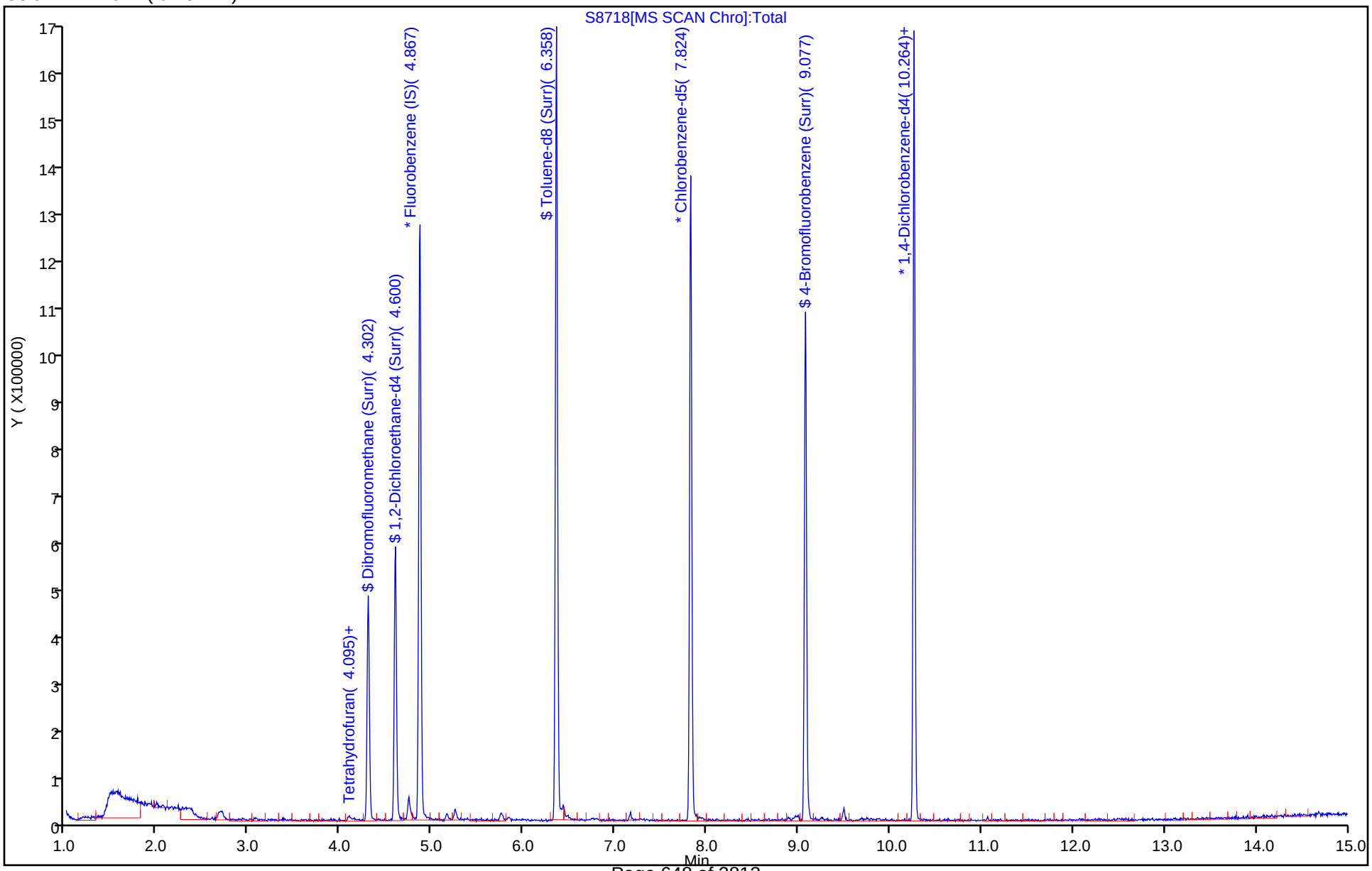
S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 15:15:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D				
Injection Date:	03-Mar-2022 14:13:30	Instrument ID:	HP5973S	Operator ID:	AG/LH
Lims ID:	MB 480-616692/2-A			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D				
Lims ID:	MB 480-616692/2-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	03-Mar-2022 14:13:30	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB 480-616692/2-A				
Misc. Info.:	480-0104194-009				
Operator ID:	AG/LH	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	03-Mar-2022 15:15:42	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1611	

First Level Reviewer: HillL Date: 03-Mar-2022 15:15:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.8	91.29
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.52
$ 5 Toluene-d8 (Surr)	25.0	23.8	95.36
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.7	94.74

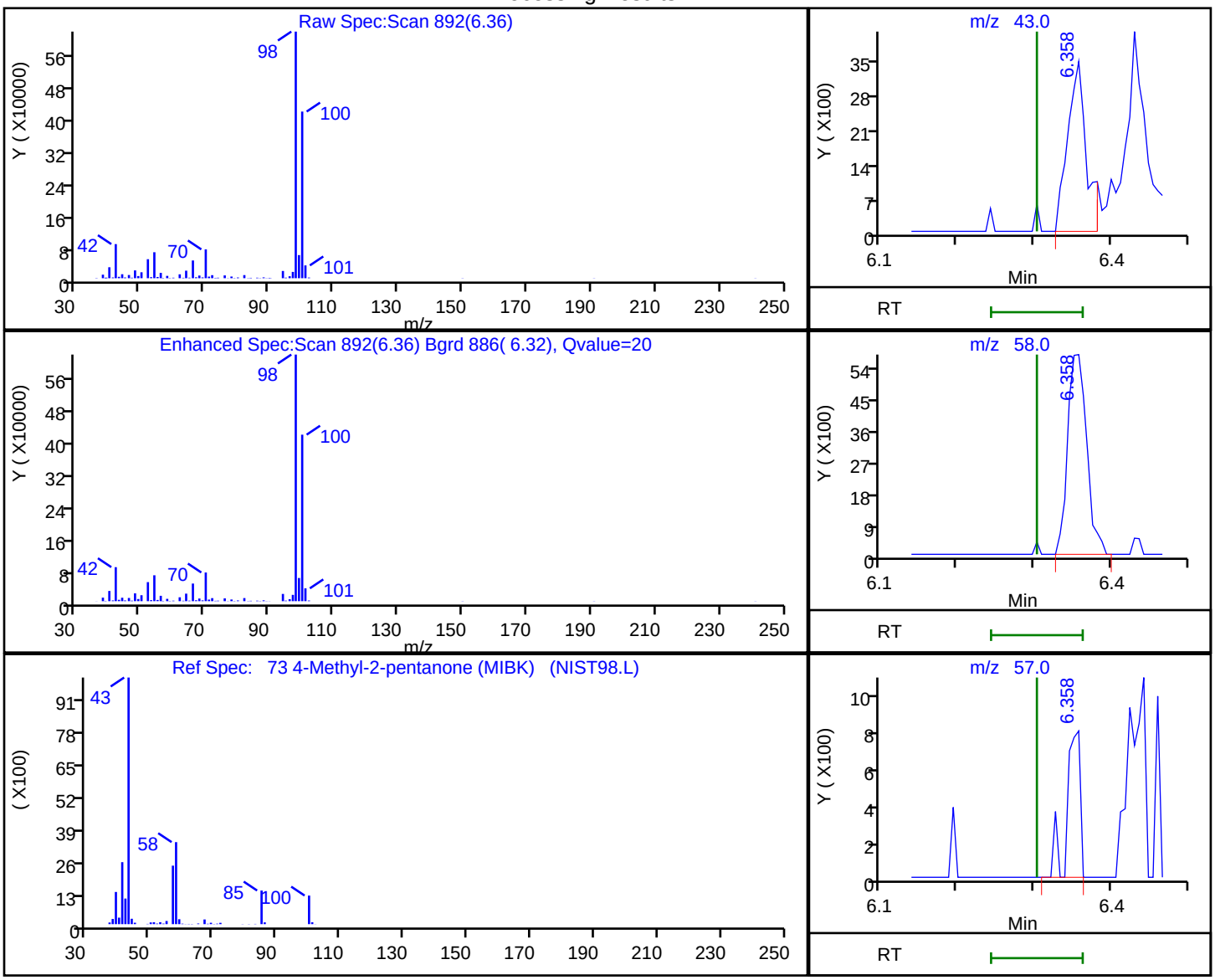
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D				
Injection Date:	03-Mar-2022 14:13:30	Instrument ID:	HP5973S		
Lims ID:	MB 480-616692/2-A				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.36	43.00	5791	0.315828
6.36	58.00	9981	
6.36	57.00	948	

Reviewer: HillL, 03-Mar-2022 15:14:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

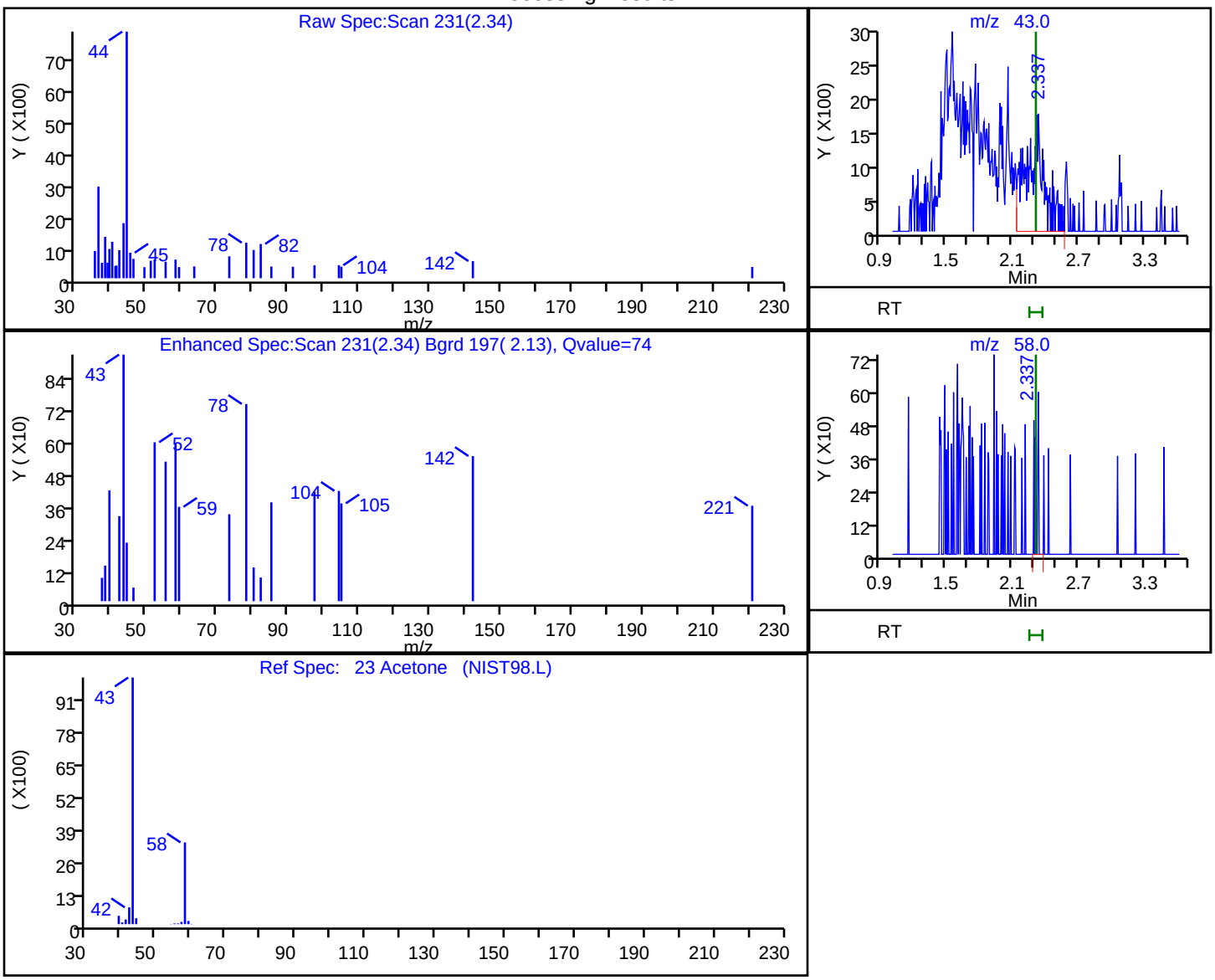
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D				
Injection Date:	03-Mar-2022 14:13:30	Instrument ID:	HP5973S		
Lims ID:	MB 480-616692/2-A				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.34	43.00	18300	2.509685
2.34	58.00	854	

Reviewer: HillL, 03-Mar-2022 15:14:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

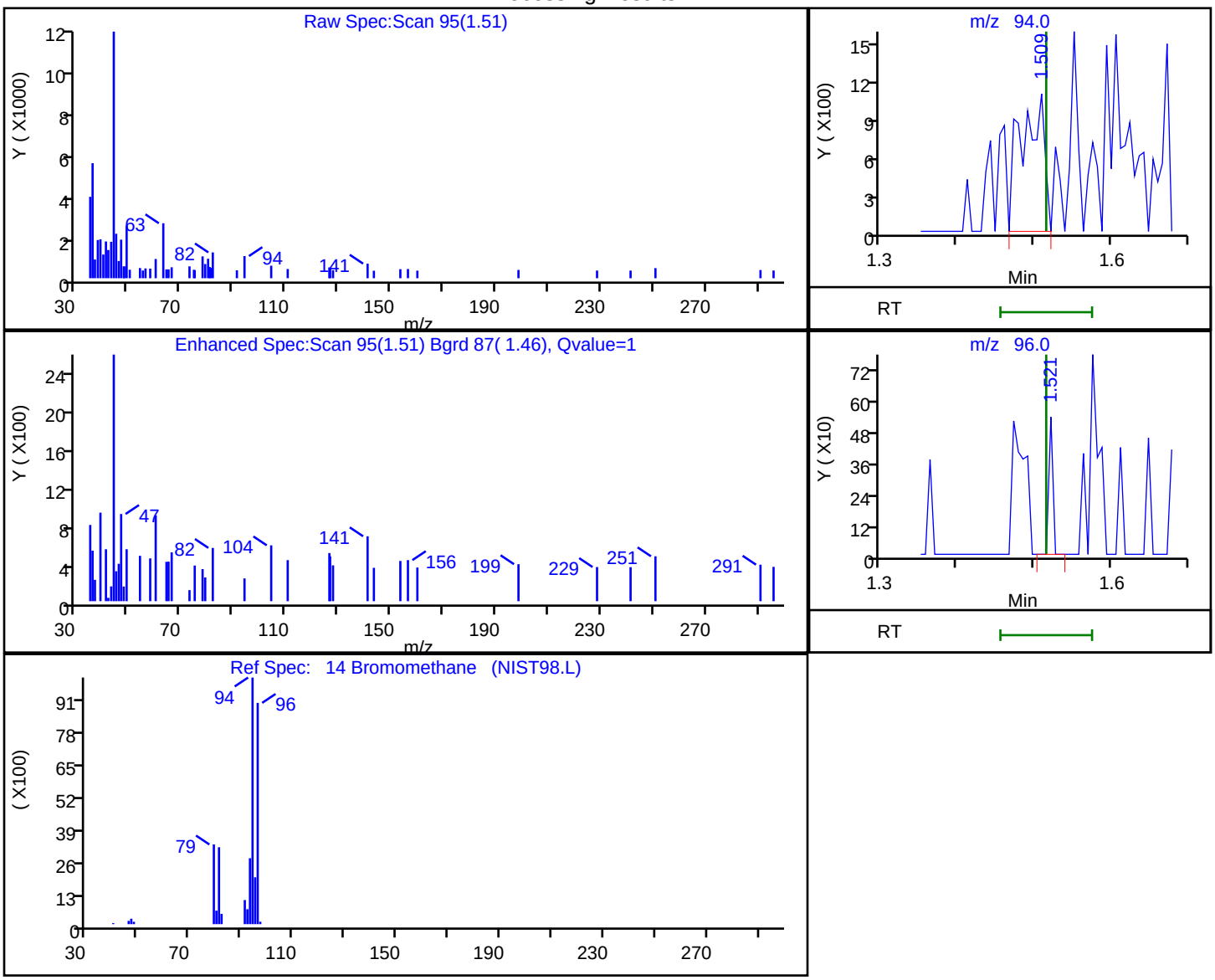
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8718.D				
Injection Date:	03-Mar-2022 14:13:30	Instrument ID:	HP5973S		
Lims ID:	MB 480-616692/2-A				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	12	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.51	94.00	2170	0.170188
1.52	96.00	194	

Reviewer: HillL, 03-Mar-2022 15:14:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617050/7
Matrix: Solid
Lab File ID: N1983.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/08/2022 10:47
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 617050
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.0010	0.00029
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00021
78-93-3	2-Butanone (MEK)	ND		0.0050	0.0013
71-43-2	Benzene	ND		0.0010	0.00041
56-23-5	Carbon tetrachloride	ND		0.0010	0.00027
108-90-7	Chlorobenzene	ND		0.0010	0.00075
67-66-3	Chloroform	ND		0.0010	0.00034
127-18-4	Tetrachloroethene	ND		0.0010	0.00036
79-01-6	Trichloroethene	ND		0.0010	0.00046
75-01-4	Vinyl chloride	ND		0.0010	0.00090

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1983.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Mar-2022 10:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0104250-007
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Mar-2022 12:15:22 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: izquierdoo Date: 08-Mar-2022 12:15:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	181900	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	89	690996	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	341055	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	91	196786	25.0	24.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	99	253984	25.0	23.2	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	94	701591	25.0	21.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	237378	25.0	23.9	
11 Dichlorodifluoromethane	85		1.250					ND	
12 Chlorodifluoromethane	51		1.274					ND	
13 Chloromethane	50		1.420					ND	
14 Vinyl chloride	62		1.511					ND	
144 Butadiene	54		1.536					ND	
15 Bromomethane	94		1.816					ND	
16 Chloroethane	64		1.895					ND	
17 Dichlorofluoromethane	67		2.114					ND	
18 Trichlorofluoromethane	101		2.120					ND	
19 Ethyl ether	59		2.381					ND	
141 Ethanol	45		2.400					ND	
81 Propene oxide	58		2.467					ND	
20 Acrolein	56		2.558					ND	
22 1,1-Dichloroethene	96		2.594					ND	
21 112TCTFE	101		2.600					ND	
23 Acetone	43		2.716					ND	
24 Iodomethane	142		2.752					ND	
25 Carbon disulfide	76		2.789					ND	
26 Isopropyl alcohol	45		2.911					ND	
27 3-Chloro-1-propene	41		2.959					ND	
28 Methyl acetate	43		3.008					ND	
29 Acetonitrile	40		3.020					ND	
30 Methylene Chloride	84		3.105					ND	
31 2-Methyl-2-propanol	59		3.276					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.312					ND	
33 trans-1,2-Dichloroethene	96		3.330					ND	
34 Acrylonitrile	53		3.385					ND	
35 Hexane	57		3.525					ND	
36 1,1-Dichloroethane	63		3.738					ND	
37 Isopropyl ether	45		3.756					ND	
39 Vinyl acetate	43		3.799					ND	
38 2-Chloro-1,3-butadiene	53		3.799					ND	
40 1,1-Dimethoxyethane	75		3.829					ND	
41 Tert-butyl ethyl ether	59		4.091					ND	
42 2,2-Dichloropropane	77		4.255					ND	
43 cis-1,2-Dichloroethene	96		4.292					ND	
44 2-Butanone (MEK)	43		4.328					ND	
45 Ethyl acetate	43		4.359					ND	7
46 Propionitrile	54		4.432					ND	
47 Chlorobromomethane	128		4.523					ND	
49 Tetrahydrofuran	42		4.541					ND	
48 Methacrylonitrile	67		4.541					ND	
50 Chloroform	83	4.602	4.608	-0.006	34	2610		0.1507	
51 1,1,1-Trichloroethane	97		4.711					ND	
52 Cyclohexane	56		4.717					ND	
53 Carbon tetrachloride	117		4.851					ND	
54 1,1-Dichloropropene	75		4.863					ND	
55 Benzene	78		5.064					ND	
146 Isooctane	57		5.064					ND	
56 Isobutyl alcohol	43		5.095					ND	
57 1,2-Dichloroethane	62		5.131					ND	
58 Tert-amyl methyl ether	73		5.143					ND	
140 t-Amyl alcohol	59		5.149					ND	
59 n-Heptane	43		5.247					ND	
1 1,4-Difluorobenzene	114		5.448					ND	
60 Trichloroethene	95		5.673					ND	
61 n-Butanol	56		5.715					ND	
62 Methylcyclohexane	83		5.788					ND	
145 Ethyl acrylate	55		5.800					ND	
63 1,2-Dichloropropane	63		5.916					ND	
65 Methyl methacrylate	41		6.013					ND	
64 Dibromomethane	93		6.050					ND	
66 1,4-Dioxane	88		6.062					ND	
67 Dichlorobromomethane	83		6.202					ND	
68 2-Nitropropane	43		6.457					ND	
69 2-Chloroethyl vinyl ether	63		6.482					ND	
70 Epichlorohydrin	57		6.573					ND	
71 cis-1,3-Dichloropropene	75		6.622					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.768					ND	
73 Toluene	92		6.901					ND	
74 2-Methylthiophene	97		7.041					ND	
75 trans-1,3-Dichloropropene	75		7.187					ND	
76 3-Methylthiophene	97		7.206					ND	
77 Ethyl methacrylate	69		7.236					ND	
78 1,1,2-Trichloroethane	83		7.376					ND	
79 Tetrachloroethene	166		7.431					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.534					ND	
82 2-Hexanone	43		7.607					ND	
149 n-Butyl acetate	43		7.717					ND	
83 Chlorodibromomethane	129		7.771					ND	
84 Ethylene Dibromide	107		7.875					ND	
139 1-Chlorohexane	55		8.301					ND	U
86 3-Chlorobenzotrifluoride	180		8.325					ND	
85 Chlorobenzene	112		8.349					ND	
87 4-Chlorobenzotrifluoride	180		8.386					ND	
88 Ethylbenzene	91		8.441					ND	
89 1,1,1,2-Tetrachloroethane	131		8.447					ND	
90 m-Xylene & p-Xylene	106		8.562					ND	
91 o-Xylene	106		8.988					ND	
92 Styrene	104		9.019					ND	
93 Bromoform	173		9.268					ND	
94 2-Chlorobenzotrifluoride	180		9.305					ND	
95 Isopropylbenzene	105		9.377					ND	
96 Cyclohexanone	55		9.548					ND	
97 Bromobenzene	156		9.724					ND	
98 1,1,2,2-Tetrachloroethane	83		9.785					ND	
100 N-Propylbenzene	91		9.809					ND	
99 1,2,3-Trichloropropane	110		9.822					ND	
101 trans-1,4-Dichloro-2-butene	53		9.834					ND	
102 2-Chlorotoluene	126		9.913					ND	
103 3-Chlorotoluene	126		9.974					ND	
104 1,3,5-Trimethylbenzene	105		9.992					ND	
105 4-Chlorotoluene	91		10.022					ND	
106 tert-Butylbenzene	134		10.308					ND	
108 1,2,4-Trimethylbenzene	105		10.363					ND	
107 Pentachloroethane	167		10.369					ND	
109 sec-Butylbenzene	105		10.521					ND	
110 1,3-Dichlorobenzene	146		10.655					ND	
111 4-Isopropyltoluene	119		10.661					ND	
112 Dicyclopentadiene	66		10.722					ND	7
113 1,4-Dichlorobenzene	146		10.746					ND	
114 1,2,3-Trimethylbenzene	105		10.771					ND	
143 Benzyl chloride	126		10.892					ND	
115 n-Butylbenzene	91		11.050					ND	
116 1,2-Dichlorobenzene	146		11.099					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.829					ND	
118 1,3,5-Trichlorobenzene	180		11.963					ND	
119 1,2,4-Trichlorobenzene	180		12.510					ND	
120 Hexachlorobutadiene	225		12.620					ND	
121 Naphthalene	128		12.723					ND	U
122 1,2,3-Trichlorobenzene	180		12.924					ND	
142 2-Methylnaphthalene	142	13.630	13.636	-0.006	86	3923		0.1627	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	7
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00227	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 08-Mar-2022 12:15:22 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1983.D

Injection Date: 08-Mar-2022 10:47:30 Instrument ID: HP5973N Operator ID: AG/OI

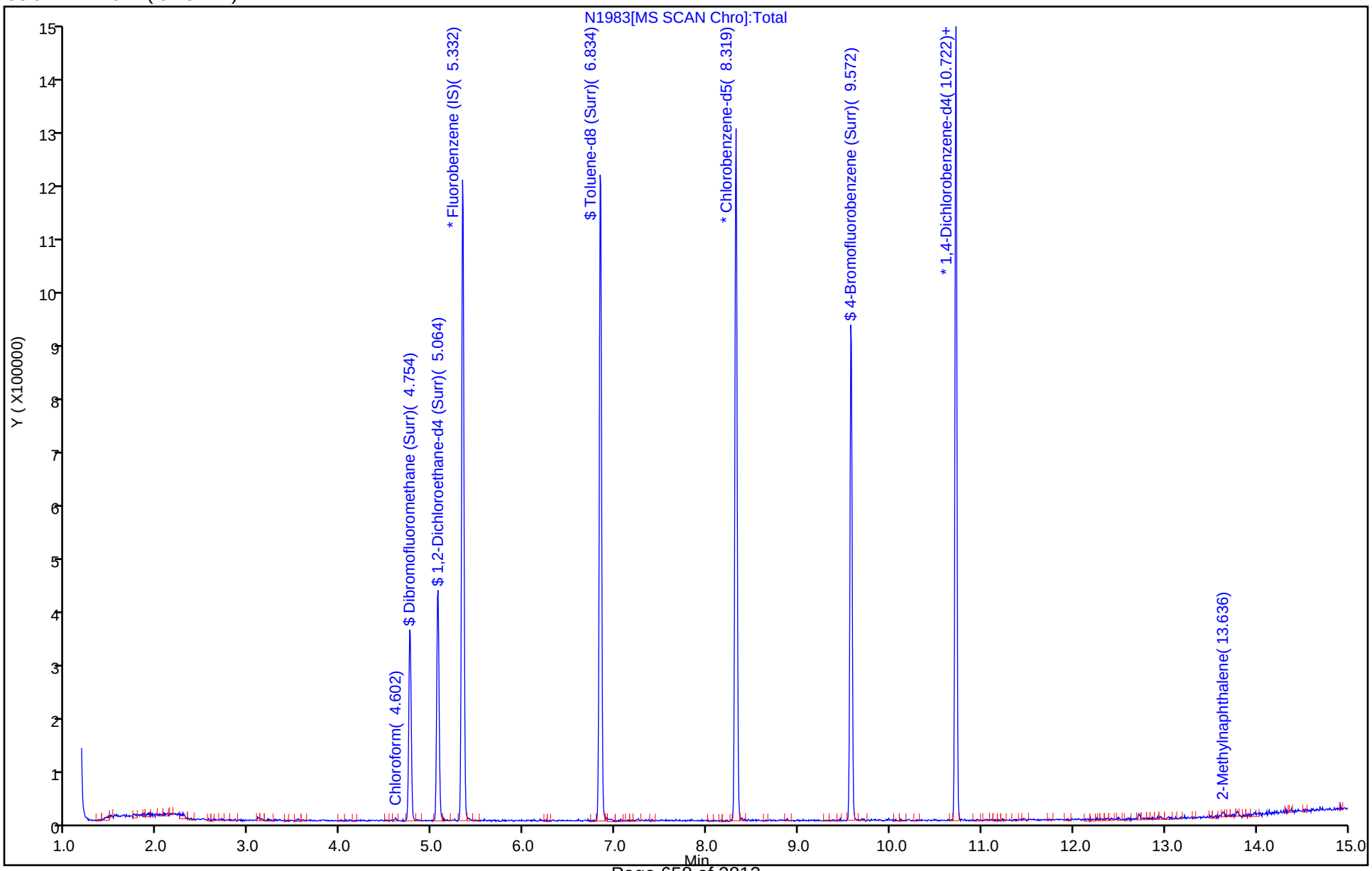
Lims ID: MB Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1983.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Mar-2022 10:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0104250-007
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Mar-2022 12:15:22 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: izquierdoo Date: 08-Mar-2022 12:15:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.4	97.73
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.2	92.78
$ 6 Toluene-d8 (Surr)	25.0	21.4	85.51
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.9	95.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-195466-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 480-616936/1-A

Matrix: Solid (TCLP) | Lab File ID: N2000.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/08/2022 17:32

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 617050 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.010	0.0029
107-06-2	1,2-Dichloroethane	ND		0.010	0.0021
78-93-3	2-Butanone (MEK)	ND		0.050	0.013
71-43-2	Benzene	ND		0.010	0.0041
56-23-5	Carbon tetrachloride	ND		0.010	0.0027
108-90-7	Chlorobenzene	ND		0.010	0.0075
67-66-3	Chloroform	ND		0.010	0.0034
127-18-4	Tetrachloroethene	ND		0.010	0.0036
79-01-6	Trichloroethene	ND		0.010	0.0046
75-01-4	Vinyl chloride	ND		0.010	0.0090

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2000.D
Lims ID: LB 480-616936/1-A
Client ID:
Sample Type: LB
Inject. Date: 08-Mar-2022 17:32:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: LB 480-616936/1-A
Misc. Info.: 480-0104250-024
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Mar-2022 08:41:39 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: lapointec Date: 09-Mar-2022 08:41:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	98	153984	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	89	613507	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	293625	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	93	187742	25.0	27.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	240211	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	638075	25.0	21.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	218845	25.0	24.8	
11 Dichlorodifluoromethane	85		1.250					ND	
12 Chlorodifluoromethane	51		1.274					ND	U
13 Chloromethane	50		1.420					ND	
14 Vinyl chloride	62		1.511					ND	
144 Butadiene	54		1.536					ND	
15 Bromomethane	94		1.816					ND	
16 Chloroethane	64		1.895					ND	
17 Dichlorofluoromethane	67		2.114					ND	
18 Trichlorofluoromethane	101		2.120					ND	
19 Ethyl ether	59		2.381					ND	
141 Ethanol	45		2.400					ND	
81 Propene oxide	58		2.467					ND	
20 Acrolein	56		2.558					ND	
22 1,1-Dichloroethene	96		2.594					ND	
21 112TCTFE	101		2.600					ND	
23 Acetone	43	2.716	2.716	0.000	97	16406		4.06	
24 Iodomethane	142		2.752					ND	
25 Carbon disulfide	76		2.789					ND	
26 Isopropyl alcohol	45		2.911					ND	
27 3-Chloro-1-propene	41		2.959					ND	
28 Methyl acetate	43		3.008					ND	
29 Acetonitrile	40		3.020					ND	
30 Methylene Chloride	84	3.099	3.105	-0.006	94	3837		0.0427	
31 2-Methyl-2-propanol	59		3.276					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.312					ND	
33 trans-1,2-Dichloroethene	96		3.330					ND	
34 Acrylonitrile	53		3.385					ND	
35 Hexane	57		3.525					ND	
36 1,1-Dichloroethane	63		3.738					ND	
37 Isopropyl ether	45		3.756					ND	
39 Vinyl acetate	43		3.799					ND	
38 2-Chloro-1,3-butadiene	53		3.799					ND	
40 1,1-Dimethoxyethane	75		3.829					ND	
41 Tert-butyl ethyl ether	59		4.091					ND	
42 2,2-Dichloropropane	77		4.255					ND	
43 cis-1,2-Dichloroethene	96		4.292					ND	
44 2-Butanone (MEK)	43		4.328					ND	
45 Ethyl acetate	43		4.359					ND	
46 Propionitrile	54		4.432					ND	
47 Chlorobromomethane	128		4.523					ND	
49 Tetrahydrofuran	42		4.541					ND	
48 Methacrylonitrile	67		4.541					ND	
50 Chloroform	83		4.608					ND	
51 1,1,1-Trichloroethane	97		4.711					ND	
52 Cyclohexane	56		4.717					ND	
53 Carbon tetrachloride	117		4.851					ND	
54 1,1-Dichloropropene	75		4.863					ND	
55 Benzene	78		5.064					ND	
146 Isooctane	57		5.064					ND	
56 Isobutyl alcohol	43		5.095					ND	U
57 1,2-Dichloroethane	62		5.131					ND	
58 Tert-amyl methyl ether	73		5.143					ND	
140 t-Amyl alcohol	59		5.149					ND	
59 n-Heptane	43		5.247					ND	
1 1,4-Difluorobenzene	114		5.448					ND	
60 Trichloroethene	95		5.673					ND	
61 n-Butanol	56		5.715					ND	
62 Methylcyclohexane	83		5.788					ND	
145 Ethyl acrylate	55		5.800					ND	
63 1,2-Dichloropropane	63		5.916					ND	
65 Methyl methacrylate	41		6.013					ND	
64 Dibromomethane	93		6.050					ND	
66 1,4-Dioxane	88		6.062					ND	
67 Dichlorobromomethane	83		6.202					ND	
68 2-Nitropropane	43		6.457					ND	
69 2-Chloroethyl vinyl ether	63		6.482					ND	
70 Epichlorohydrin	57		6.573					ND	
71 cis-1,3-Dichloropropene	75		6.622					ND	U
72 4-Methyl-2-pentanone (MIBK)	58		6.768					ND	U
73 Toluene	92		6.901					ND	
74 2-Methylthiophene	97		7.041					ND	
75 trans-1,3-Dichloropropene	75		7.187					ND	
76 3-Methylthiophene	97		7.206					ND	
77 Ethyl methacrylate	69		7.236					ND	
78 1,1,2-Trichloroethane	83		7.376					ND	
79 Tetrachloroethene	166		7.431					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.534					ND	
82 2-Hexanone	43	7.607	7.607	0.000	35	29311		2.88	
149 n-Butyl acetate	43	7.717	7.717	0.000	97	96747		4.43	
83 Chlorodibromomethane	129		7.771					ND	
84 Ethylene Dibromide	107		7.875					ND	
139 1-Chlorohexane	55		8.301					ND	U
86 3-Chlorobenzotrifluoride	180		8.325					ND	
85 Chlorobenzene	112		8.349					ND	
87 4-Chlorobenzotrifluoride	180		8.386					ND	
88 Ethylbenzene	91		8.441					ND	
89 1,1,1,2-Tetrachloroethane	131		8.447					ND	
90 m-Xylene & p-Xylene	106		8.562					ND	
91 o-Xylene	106		8.988					ND	
92 Styrene	104		9.019					ND	
93 Bromoform	173		9.268					ND	
94 2-Chlorobenzotrifluoride	180		9.305					ND	
95 Isopropylbenzene	105		9.377					ND	
96 Cyclohexanone	55		9.548					ND	
97 Bromobenzene	156		9.724					ND	
98 1,1,2,2-Tetrachloroethane	83		9.785					ND	
100 N-Propylbenzene	91		9.809					ND	
99 1,2,3-Trichloropropane	110		9.822					ND	
101 trans-1,4-Dichloro-2-butene	53		9.834					ND	
102 2-Chlorotoluene	126		9.913					ND	
103 3-Chlorotoluene	126		9.974					ND	
104 1,3,5-Trimethylbenzene	105		9.992					ND	
105 4-Chlorotoluene	91		10.022					ND	
106 tert-Butylbenzene	134		10.308					ND	
108 1,2,4-Trimethylbenzene	105		10.363					ND	
107 Pentachloroethane	167		10.369					ND	
109 sec-Butylbenzene	105		10.521					ND	
110 1,3-Dichlorobenzene	146		10.655					ND	
111 4-Isopropyltoluene	119		10.661					ND	
112 Dicyclopentadiene	66		10.722					ND	
113 1,4-Dichlorobenzene	146		10.746					ND	
114 1,2,3-Trimethylbenzene	105		10.771					ND	
143 Benzyl chloride	126		10.892					ND	
115 n-Butylbenzene	91		11.050					ND	
116 1,2-Dichlorobenzene	146		11.099					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.829					ND	
118 1,3,5-Trichlorobenzene	180		11.963					ND	
119 1,2,4-Trichlorobenzene	180		12.510					ND	
120 Hexachlorobutadiene	225		12.620					ND	
121 Naphthalene	128		12.723					ND	
122 1,2,3-Trichlorobenzene	180		12.924					ND	
142 2-Methylnaphthalene	142		13.636					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	7
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

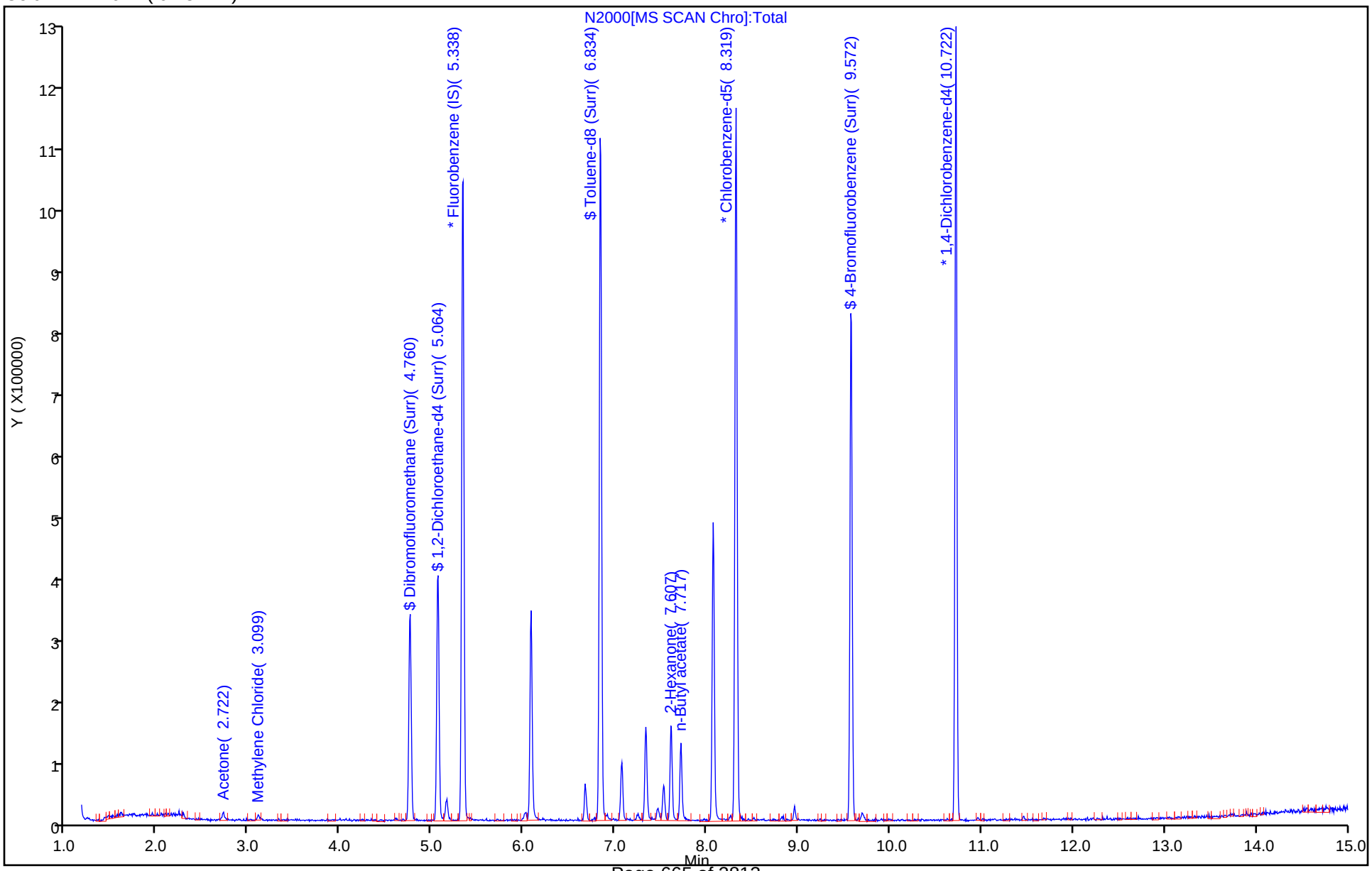
Reagents:

N 8260 IS_00227	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 09-Mar-2022 08:41:39 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2000.D				
Injection Date:	08-Mar-2022 17:32:30	Instrument ID:	HP5973N	Operator ID:	AG/OI
Lims ID:	LB 480-616936/1-A			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column: ZB-624 (0.18 mm)					



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N2000.D
Lims ID: LB 480-616936/1-A
Client ID:
Sample Type: LB
Inject. Date: 08-Mar-2022 17:32:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: LB 480-616936/1-A
Misc. Info.: 480-0104250-024
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Mar-2022 08:41:39 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: lapointec Date: 09-Mar-2022 08:41:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	27.5	110.14
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.9	103.65
$ 6 Toluene-d8 (Surr)	25.0	21.9	87.59
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.8	99.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Lab File ID: S8716.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 03/03/2022 13:26
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 616658
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2560		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2260		100	16
79-00-5	1,1,2-Trichloroethane	2320		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2560		100	50
75-34-3	1,1-Dichloroethane	2300		100	31
75-35-4	1,1-Dichloroethene	2390		100	35
120-82-1	1,2,4-Trichlorobenzene	2340		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	2160		100	50
95-50-1	1,2-Dichlorobenzene	2370		100	26
107-06-2	1,2-Dichloroethane	2280		100	41
78-87-5	1,2-Dichloropropane	2430		100	16
541-73-1	1,3-Dichlorobenzene	2380		100	27
106-46-7	1,4-Dichlorobenzene	2340		100	14
78-93-3	2-Butanone (MEK)	11100		500	300
591-78-6	2-Hexanone	12400		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	11400		500	32
67-64-1	Acetone	10100		500	410
71-43-2	Benzene	2510		100	19
75-27-4	Bromodichloromethane	2440		100	20
75-25-2	Bromoform	2360		100	50
74-83-9	Bromomethane	1860		100	22
75-15-0	Carbon disulfide	2390		100	46
56-23-5	Carbon tetrachloride	2490		100	26
108-90-7	Chlorobenzene	2380		100	13
124-48-1	Dibromochloromethane	2440		100	48
75-00-3	Chloroethane	2300		100	21
67-66-3	Chloroform	2280		100	69
74-87-3	Chloromethane	2130		100	24
156-59-2	cis-1,2-Dichloroethene	2420		100	28
10061-01-5	cis-1,3-Dichloropropene	2790		100	24
110-82-7	Cyclohexane	2640		100	22
75-71-8	Dichlorodifluoromethane	2180		100	44
100-41-4	Ethylbenzene	2480		100	29
106-93-4	1,2-Dibromoethane	2610		100	18
98-82-8	Isopropylbenzene	2490		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Lab File ID: S8716.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 03/03/2022 13:26
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 616658
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	4560		500	48
1634-04-4	Methyl tert-butyl ether	2430		100	38
108-87-2	Methylcyclohexane	2800		100	47
75-09-2	Methylene Chloride	2350		100	20
100-42-5	Styrene	2600		100	24
127-18-4	Tetrachloroethene	2490		100	13
108-88-3	Toluene	2370		100	27
156-60-5	trans-1,2-Dichloroethene	2410		100	24
10061-02-6	trans-1,3-Dichloropropene	2980		100	9.8
79-01-6	Trichloroethene	2480		100	28
75-69-4	Trichlorofluoromethane	2450		100	47
75-01-4	Vinyl chloride	2200		100	34
1330-20-7	Xylenes, Total	5110		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	100		49-148
1868-53-7	Dibromofluoromethane (Surr)	96		60-140

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8716.D
Lims ID: LCS 480-616692/1-A
Client ID:
Sample Type: LCS
Inject. Date: 03-Mar-2022 13:26:30 ALS Bottle#: 10 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-616692/1-A
Misc. Info.: 480-0104194-007
Operator ID: AG/LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Mar-2022 14:46:14 Calib Date: 25-Feb-2022 02:14:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: HillL Date: 03-Mar-2022 14:46:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.861	4.867	-0.006	99	202672	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	86	427208	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.263	10.263	0.000	50	458216	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.301	4.302	-0.001	57	275682	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.594	4.600	-0.006	48	177485	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.358	6.358	0.000	49	1087505	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.077	9.077	0.000	94	359123	25.0	25.0	
10 Dichlorodifluoromethane	85	1.029	1.035	-0.006	98	359196	25.0	21.8	
12 Chloromethane	50	1.175	1.181	-0.006	89	444710	25.0	21.3	
13 Vinyl chloride	62	1.248	1.254	-0.006	82	417800	25.0	22.0	
151 Butadiene	54	1.266	1.272	-0.006	89	411112	25.0	22.7	
14 Bromomethane	94	1.497	1.515	-0.018	91	246466	25.0	18.6	
15 Chloroethane	64	1.564	1.576	-0.012	95	293502	25.0	23.0	
17 Trichlorofluoromethane	101	1.752	1.759	-0.007	59	587585	25.0	24.5	
16 Dichlorofluoromethane	67	1.759	1.771	-0.012	97	665197	25.0	24.3	
18 Ethyl ether	59	1.990	1.996	-0.006	94	383209	25.0	24.1	
20 Acrolein	56	2.160	2.166	-0.006	98	222147	125.0	107.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.184	2.197	-0.013	78	327270	25.0	25.6	
22 1,1-Dichloroethene	96	2.190	2.209	-0.019	87	298292	25.0	23.9	
23 Acetone	43	2.312	2.312	0.000	98	763014	125.0	100.7	
25 Iodomethane	142	2.349	2.361	-0.012	97	561805	25.0	23.8	
26 Carbon disulfide	76	2.373	2.385	-0.012	100	944381	25.0	23.9	
28 3-Chloro-1-propene	41	2.531	2.537	-0.006	84	563391	25.0	23.7	
27 Methyl acetate	43	2.592	2.592	0.000	96	707578	50.0	45.6	
30 Methylene Chloride	84	2.671	2.677	-0.006	90	354114	25.0	23.5	M
31 2-Methyl-2-propanol	59	2.884	2.860	0.024	36	237601	250.0	178.8	
32 Methyl tert-butyl ether	73	2.884	2.884	0.000	91	1014628	25.0	24.3	
34 trans-1,2-Dichloroethene	96	2.884	2.890	-0.006	71	342245	25.0	24.1	
33 Acrylonitrile	53	2.957	2.957	0.000	99	1785665	250.0	219.4	
35 Hexane	57	3.067	3.079	-0.012	95	620253	25.0	28.3	
39 1,1-Dichloroethane	63	3.286	3.298	-0.012	86	637265	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.359	3.359	0.000	98	1654222	50.0	59.0	
44 2,2-Dichloropropane	77	3.790	3.797	-0.007	77	218210	25.0	27.2	
45 cis-1,2-Dichloroethene	96	3.833	3.839	-0.006	68	369377	25.0	24.2	
43 2-Butanone (MEK)	43	3.882	3.882	0.000	99	1062211	125.0	110.6	
48 Chlorobromomethane	128	4.064	4.064	0.000	93	201058	25.0	23.3	
49 Tetrahydrofuran	42	4.082	4.083	-0.001	89	278509	50.0	42.5	
50 Chloroform	83	4.143	4.149	-0.006	96	600890	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.241	4.247	-0.006	78	448386	25.0	25.6	
52 Cyclohexane	56	4.241	4.247	-0.006	94	697091	25.0	26.4	
55 Carbon tetrachloride	117	4.374	4.381	-0.007	81	337571	25.0	24.9	
54 1,1-Dichloropropene	75	4.393	4.393	0.000	91	494213	25.0	26.4	
57 Benzene	78	4.594	4.594	0.000	97	1437304	25.0	25.1	
53 Isobutyl alcohol	43	4.660	4.661	-0.001	28	246307	625.0	447.9	
58 1,2-Dichloroethane	62	4.667	4.667	-0.001	82	559810	25.0	22.8	
59 n-Heptane	43	4.782	4.782	0.000	93	696576	25.0	30.0	
62 Trichloroethene	95	5.196	5.202	-0.006	89	353951	25.0	24.8	
64 Methylcyclohexane	83	5.305	5.305	0.000	93	650668	25.0	28.0	
65 1,2-Dichloropropane	63	5.439	5.439	0.000	89	351478	25.0	24.3	
67 Dibromomethane	93	5.573	5.573	0.000	84	221511	25.0	23.1	
66 1,4-Dioxane	88	5.591	5.591	0.000	51	72882	500.0	343.9	
68 Dichlorobromomethane	83	5.731	5.731	0.000	92	396364	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	6.023	6.023	0.000	92	234579	25.0	29.8	
72 cis-1,3-Dichloropropene	75	6.145	6.151	-0.006	86	468242	25.0	27.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.000	98	2273101	125.0	114.1	
74 Toluene	92	6.419	6.425	-0.006	94	905301	25.0	23.7	
77 trans-1,3-Dichloropropene	75	6.717	6.717	0.000	95	397441	25.0	29.8	
75 Ethyl methacrylate	69	6.778	6.778	0.000	70	372949	25.0	24.6	
79 1,1,2-Trichloroethane	83	6.899	6.899	0.000	94	255831	25.0	23.2	
81 Tetrachloroethene	166	6.942	6.942	0.000	91	436805	25.0	24.9	
82 1,3-Dichloropropane	76	7.057	7.051	0.006	94	559989	25.0	23.7	
80 2-Hexanone	43	7.136	7.137	-0.001	98	1558781	125.0	124.4	
83 Chlorodibromomethane	129	7.282	7.289	-0.007	89	288811	25.0	24.4	
84 Ethylene Dibromide	107	7.374	7.380	-0.006	97	312760	25.0	26.1	
87 Chlorobenzene	112	7.854	7.854	0.000	93	1049716	25.0	23.8	
88 Ethylbenzene	91	7.952	7.952	0.000	98	1670283	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	7.952	7.958	-0.006	41	284809	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.073	8.073	0.000	97	684910	25.0	25.9	
91 o-Xylene	106	8.493	8.493	0.000	97	668768	25.0	25.2	
92 Styrene	104	8.523	8.530	-0.007	94	1100706	25.0	26.0	
95 Bromoform	173	8.767	8.767	0.000	94	175587	25.0	23.6	
94 Isopropylbenzene	105	8.876	8.876	0.000	96	1768103	25.0	24.9	
101 Bromobenzene	156	9.223	9.223	0.000	91	454749	25.0	23.6	
97 1,1,2,2-Tetrachloroethane	83	9.314	9.314	0.000	60	410956	25.0	22.6	
99 N-Propylbenzene	91	9.320	9.321	-0.001	98	1993716	25.0	25.5	
100 1,2,3-Trichloropropane	110	9.333	9.333	0.000	56	149728	25.0	22.6	
98 trans-1,4-Dichloro-2-butene	53	9.357	9.357	0.000	35	129080	25.0	21.2	
103 2-Chlorotoluene	126	9.424	9.424	0.000	95	411609	25.0	24.1	
102 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	94	1476291	25.0	24.9	
105 4-Chlorotoluene	126	9.546	9.546	0.000	97	426225	25.0	24.2	
106 tert-Butylbenzene	134	9.844	9.844	0.000	90	355402	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	9.904	9.905	-0.001	66	1504842	25.0	24.9	
109 sec-Butylbenzene	105	10.063	10.063	0.000	94	1957124	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.190	10.190	0.000	99	878679	25.0	23.8	
110 4-Isopropyltoluene	119	10.215	10.215	0.000	97	1705346	25.0	25.7	
113 1,4-Dichlorobenzene	146	10.288	10.288	0.000	95	903557	25.0	23.4	
115 n-Butylbenzene	91	10.610	10.610	0.000	94	1425519	25.0	25.3	
116 1,2-Dichlorobenzene	146	10.647	10.647	0.000	97	865909	25.0	23.7	
117 1,2-Dibromo-3-Chloropropane	75	11.395	11.395	0.000	74	54134	25.0	21.6	
119 1,2,4-Trichlorobenzene	180	12.070	12.070	0.000	93	633010	25.0	23.4	
120 Hexachlorobutadiene	225	12.192	12.192	0.000	95	323922	25.0	25.9	
121 Naphthalene	128	12.283	12.283	0.000	97	1571407	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	12.490	12.490	0.000	96	613392	25.0	22.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00354	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00414	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2022 14:46:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8716.D

Injection Date: 03-Mar-2022 13:26:30 Instrument ID: HP5973S Operator ID: AG/LH

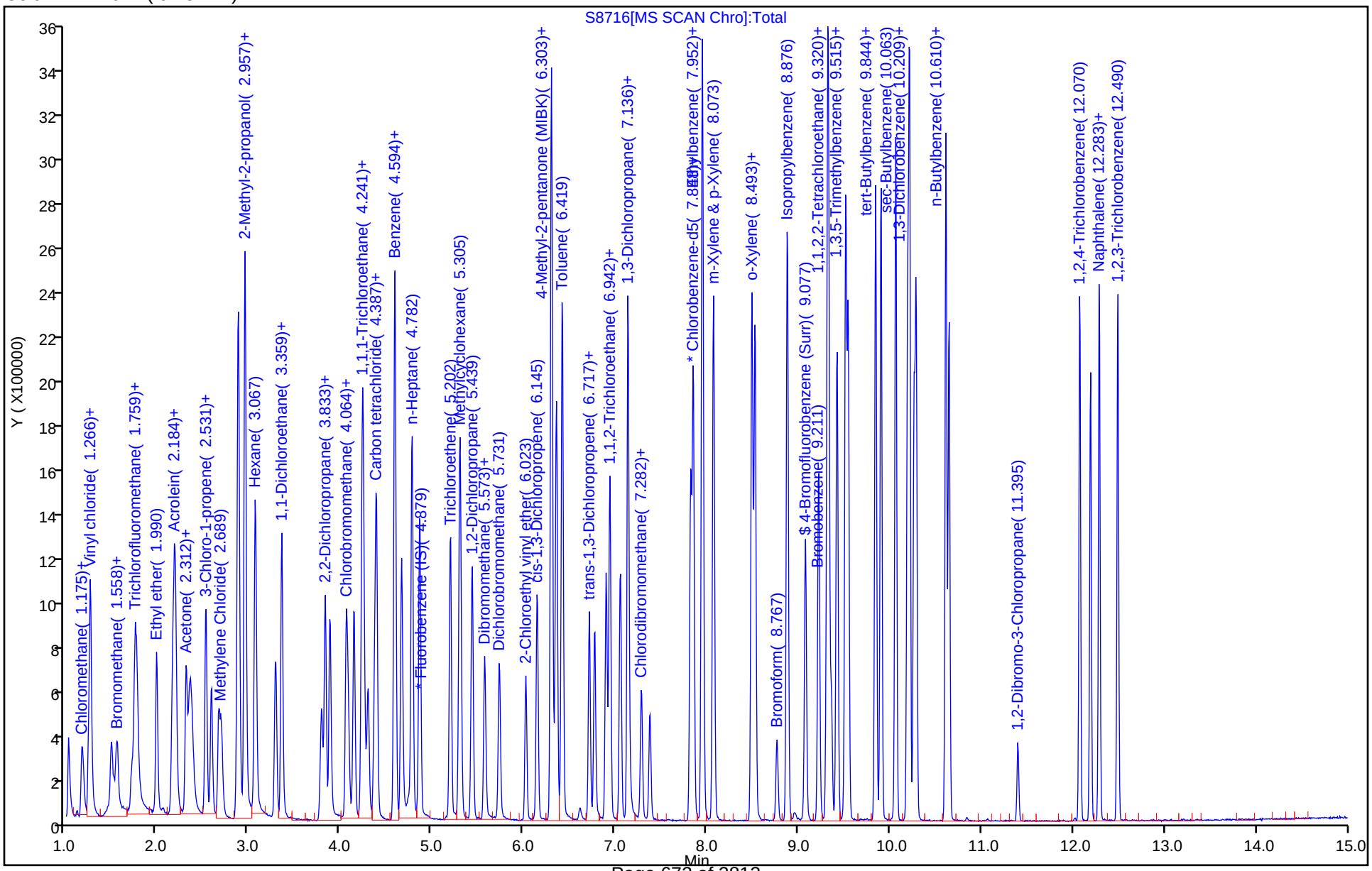
Lims ID: LCS 480-616692/1-A Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8716.D				
Lims ID:	LCS 480-616692/1-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	03-Mar-2022 13:26:30	ALS Bottle#:	10	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	LCS 480-616692/1-A				
Misc. Info.:	480-0104194-007				
Operator ID:	AG/LH	Instrument ID:	HP5973S		

Method:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S-8260.m		
Limit Group:	MV - 8260C ICAL		
Last Update:	03-Mar-2022 14:46:14	Calib Date:	25-Feb-2022 02:14:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20220224-104096.b\S8664.D		

Column 1 :	ZB-624 (0.18 mm)	Det: MS SCAN
Process Host:	CTX1611	

First Level Reviewer: HillL Date: 03-Mar-2022 14:46:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.0	96.14
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.0	96.16
$ 5 Toluene-d8 (Surr)	25.0	24.2	96.61
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.0	100.07

Manual Integration/User Assign Peak Report

Eurofins Buffalo

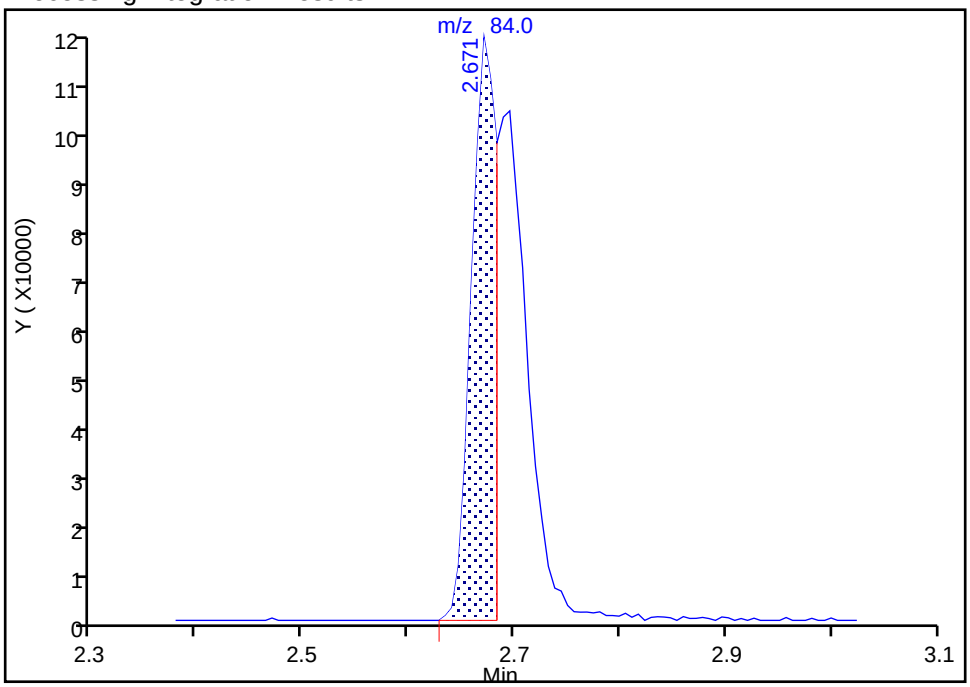
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20220303-104194.b\S8716.D				
Injection Date:	03-Mar-2022 13:26:30	Instrument ID:	HP5973S		
Lims ID:	LCS 480-616692/1-A				
Client ID:					
Operator ID:	AG/LH	ALS Bottle#:	10	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

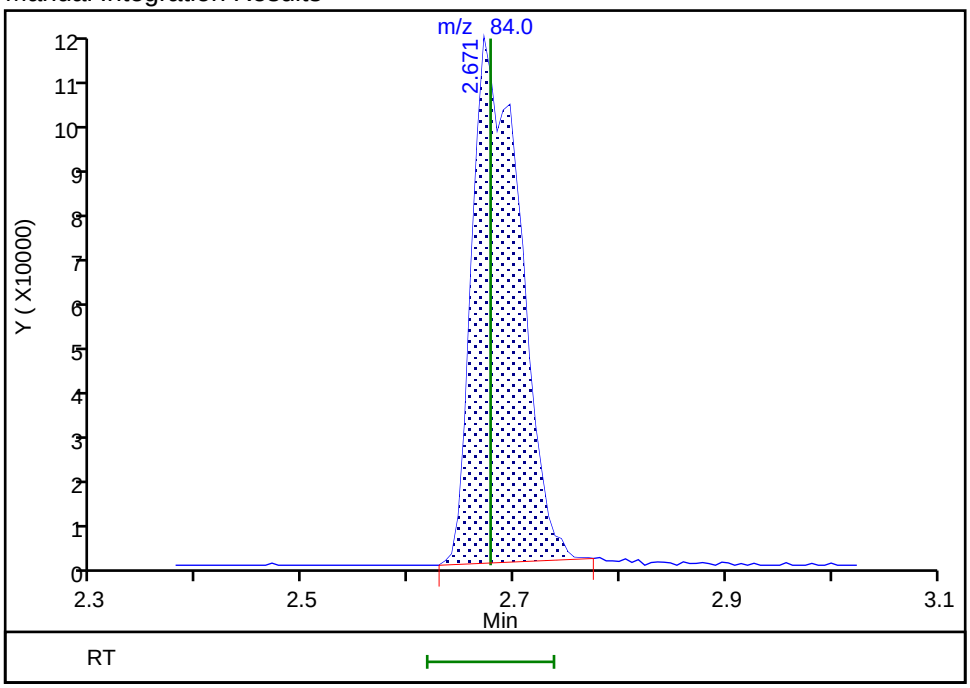
Processing Integration Results

RT: 2.67
Area: 187463
Amount: 12.010278
Amount Units: ug/L



Manual Integration Results

RT: 2.67
Area: 354114
Amount: 23.455226
Amount Units: ug/L



Reviewer: HillL, 03-Mar-2022 13:51:47

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617050/5
Matrix: Solid
Lab File ID: N1981.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 03/08/2022 10:01
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 617050
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0217		0.0010	0.00029
107-06-2	1,2-Dichloroethane	0.0252		0.0010	0.00021
78-93-3	2-Butanone (MEK)	0.169		0.0050	0.0013
71-43-2	Benzene	0.0236		0.0010	0.00041
56-23-5	Carbon tetrachloride	0.0231		0.0010	0.00027
108-90-7	Chlorobenzene	0.0236		0.0010	0.00075
67-66-3	Chloroform	0.0234		0.0010	0.00034
127-18-4	Tetrachloroethene	0.0229		0.0010	0.00036
79-01-6	Trichloroethene	0.0238		0.0010	0.00046
75-01-4	Vinyl chloride	0.0266		0.0010	0.00090

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1981.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Mar-2022 10:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0104250-005
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Mar-2022 12:12:19 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: izquierdoo Date: 08-Mar-2022 12:13:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	98	185652	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	88	699715	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	343914	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	93	210159	25.0	25.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	58	271923	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	6.840	6.841	-0.001	95	739102	25.0	22.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	249383	25.0	24.8	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	196032	25.0	24.3	
13 Chloromethane	50	1.420	1.420	0.000	99	434536	25.0	25.8	
14 Vinyl chloride	62	1.505	1.511	-0.006	98	307608	25.0	26.6	
144 Butadiene	54	1.530	1.536	-0.006	93	319505	25.0	23.8	
15 Bromomethane	94	1.815	1.816	-0.001	90	153895	25.0	24.2	
16 Chloroethane	64	1.895	1.895	0.000	96	172576	25.0	23.1	
17 Dichlorofluoromethane	67	2.120	2.114	0.006	96	368922	25.0	24.0	
18 Trichlorofluoromethane	101	2.120	2.120	0.000	60	293218	25.0	25.8	
19 Ethyl ether	59	2.381	2.381	0.000	95	295652	25.0	25.1	
20 Acrolein	56	2.558	2.558	0.000	99	182269	125.0	124.9	
22 1,1-Dichloroethene	96	2.600	2.594	0.006	92	178219	25.0	21.7	
21 112TCTFE	101	2.600	2.600	0.000	66	164700	25.0	19.3	
23 Acetone	43	2.716	2.716	0.000	98	711303	125.0	194.6	M
24 Iodomethane	142	2.777	2.752	0.025	99	326573	25.0	22.4	
25 Carbon disulfide	76	2.783	2.789	-0.006	99	586320	25.0	22.7	
27 3-Chloro-1-propene	41	2.959	2.959	0.000	87	563589	25.0	22.1	
28 Methyl acetate	43	3.008	3.008	0.000	100	817101	50.0	59.7	
30 Methylene Chloride	84	3.105	3.105	0.000	91	235019	25.0	24.4	
31 2-Methyl-2-propanol	59	3.282	3.282	0.006	98	448580	250.0	411.2	M
32 Methyl tert-butyl ether	73	3.312	3.312	0.000	97	777034	25.0	26.0	
33 trans-1,2-Dichloroethene	96	3.324	3.330	-0.006	92	227549	25.0	22.5	
34 Acrylonitrile	53	3.385	3.385	0.000	97	1979974	250.0	313.8	
35 Hexane	57	3.519	3.525	-0.006	96	370415	25.0	18.0	
36 1,1-Dichloroethane	63	3.738	3.738	0.000	97	508038	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.799	3.799	0.000	97	2020419	50.0	57.4	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	89	248542	25.0	23.8	
43 cis-1,2-Dichloroethene	96	4.291	4.292	-0.001	85	251710	25.0	23.4	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	1345799	125.0	168.7	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	135232	25.0	25.5	
49 Tetrahydrofuran	42	4.541	4.541	0.000	94	341612	50.0	59.4	
50 Chloroform	83	4.602	4.608	-0.006	95	414205	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	96	347380	25.0	23.1	
52 Cyclohexane	56	4.717	4.717	0.000	93	485680	25.0	19.8	
53 Carbon tetrachloride	117	4.851	4.851	0.000	95	299406	25.0	23.1	
54 1,1-Dichloropropene	75	4.863	4.863	0.000	88	317732	25.0	23.0	
55 Benzene	78	5.064	5.064	0.000	93	967502	25.0	23.6	
56 Isobutyl alcohol	43	5.094	5.095	-0.001	93	506288	625.0	865.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	428743	25.0	25.2	
59 n-Heptane	43	5.247	5.247	0.000	97	462007	25.0	19.4	
60 Trichloroethene	95	5.672	5.673	-0.001	96	242089	25.0	23.8	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	318114	25.0	19.0	
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	89	300048	25.0	24.6	
64 Dibromomethane	93	6.050	6.050	0.000	96	165029	25.0	26.2	
66 1,4-Dioxane	88	6.056	6.062	-0.006	38	60028	500.0	802.5	
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	325209	25.0	26.8	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	89	235773	25.0	29.7	
71 cis-1,3-Dichloropropene	75	6.615	6.622	-0.007	88	411959	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.767	6.767	-0.001	98	891816	125.0	152.0	
73 Toluene	92	6.901	6.901	0.000	97	615967	25.0	23.8	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	96	390749	25.0	26.2	
77 Ethyl methacrylate	69	7.236	7.236	0.000	92	369347	25.0	28.7	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	94	194407	25.0	26.1	
79 Tetrachloroethene	166	7.431	7.431	0.000	94	243546	25.0	22.9	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	94	409291	25.0	25.9	
82 2-Hexanone	43	7.607	7.607	0.000	99	1907264	125.0	164.6	
83 Chlorodibromomethane	129	7.771	7.771	0.000	91	230204	25.0	25.2	
84 Ethylene Dibromide	107	7.875	7.875	0.000	97	260240	25.0	26.7	
85 Chlorobenzene	112	8.349	8.349	0.000	91	659056	25.0	23.6	
88 Ethylbenzene	91	8.440	8.440	-0.001	99	1185739	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	93	247815	25.0	25.7	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	452543	25.0	24.7	
91 o-Xylene	106	8.988	8.988	0.000	98	435052	25.0	24.3	
92 Styrene	104	9.018	9.018	0.000	93	771057	25.0	24.8	
93 Bromoform	173	9.268	9.268	0.000	95	150837	25.0	25.5	
95 Isopropylbenzene	105	9.377	9.377	0.000	97	1157296	25.0	23.6	
97 Bromobenzene	156	9.724	9.724	0.000	93	290327	25.0	24.1	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.785	0.000	93	323093	25.0	26.0	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1369554	25.0	24.6	
99 1,2,3-Trichloropropane	110	9.815	9.821	-0.007	92	107813	25.0	26.4	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	149885	25.0	25.7	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	265023	25.0	23.8	
104 1,3,5-Trimethylbenzene	105	9.986	9.992	-0.006	96	936763	25.0	23.9	
105 4-Chlorotoluene	91	10.022	10.022	0.000	98	886066	25.0	24.7	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	198354	25.0	23.1	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	976674	25.0	24.7	
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1215383	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	97	547677	25.0	24.5	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	1058572	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	94	559431	25.0	24.1	
115 n-Butylbenzene	91	11.050	11.050	0.000	98	918954	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	549747	25.0	25.0	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.829	0.006	80	60796	25.0	27.8	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.000	94	386414	25.0	27.3	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	168422	25.0	25.2	
121 Naphthalene	128	12.723	12.723	0.000	97	1170342	25.0	28.7	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	97	381752	25.0	28.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00220	Amount Added: 12.50	Units: uL	
GAS CORP mix_00499	Amount Added: 12.50	Units: uL	
N 8260 IS_00227	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00434	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 08-Mar-2022 12:13:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1981.D

Injection Date: 08-Mar-2022 10:01:30 Instrument ID: HP5973N Operator ID: AG/OI

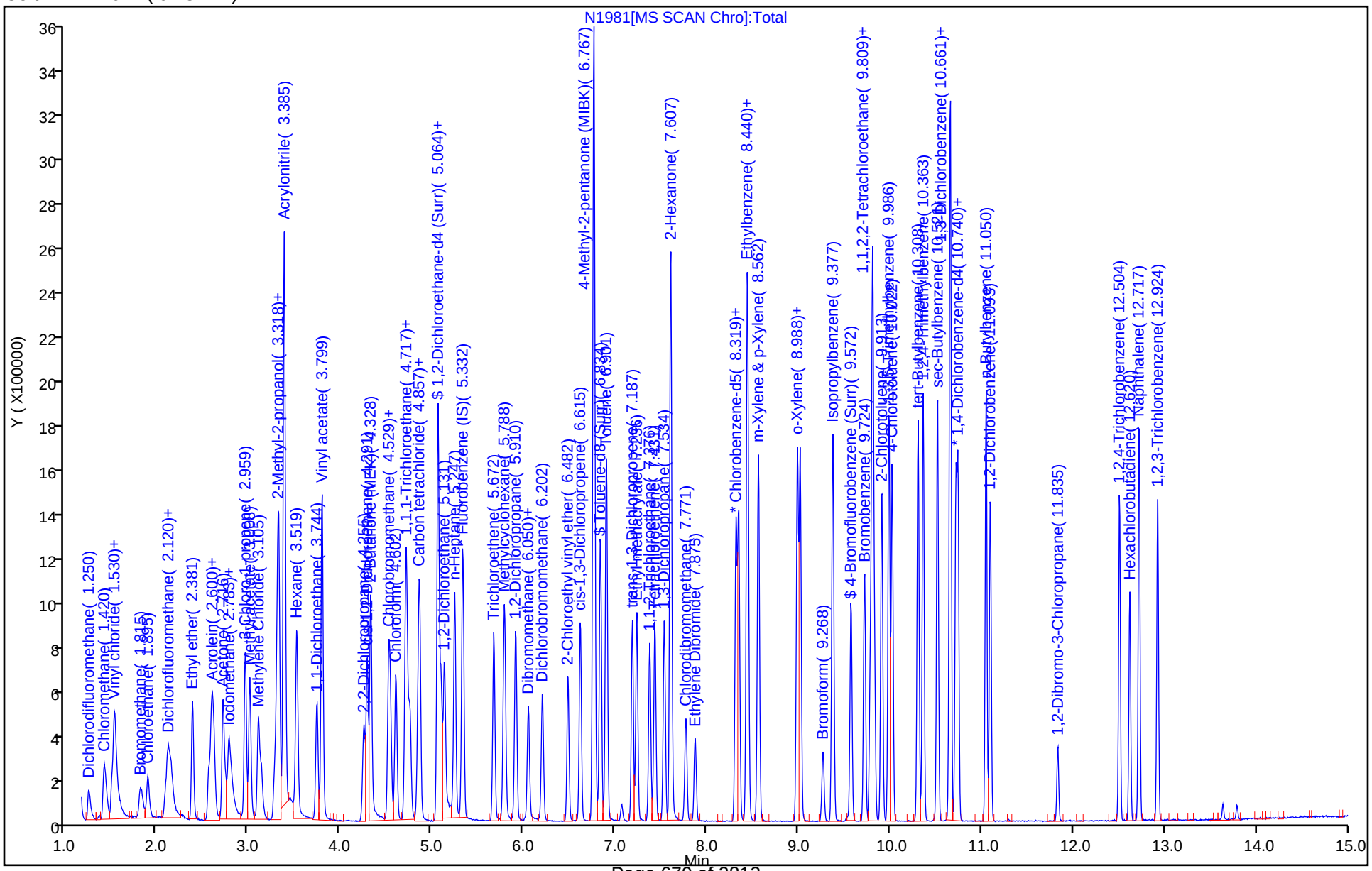
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N1981.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Mar-2022 10:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0104250-005
Operator ID: AG/OI Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20220308-104250.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Mar-2022 12:12:19 Calib Date: 03-Feb-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20220203-103740.b\N1324.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: izquierdoo Date: 08-Mar-2022 12:13:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.6	102.26
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.3	97.32
$ 6 Toluene-d8 (Surr)	25.0	22.2	88.96
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.8	99.14

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973N Start Date: 02/03/2022 14:38

Analysis Batch Number: 613702 End Date: 02/04/2022 00:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-613702/7		02/03/2022 14:38	1	N1303.D	ZB-624 (20) 0.18(mm)
IC 480-613702/9		02/03/2022 15:52	1	N1306.D	ZB-624 (20) 0.18(mm)
IC 480-613702/10		02/03/2022 16:15	1	N1307.D	ZB-624 (20) 0.18(mm)
IC 480-613702/11		02/03/2022 16:38	1	N1308.D	ZB-624 (20) 0.18(mm)
IC 480-613702/12		02/03/2022 17:01	1	N1309.D	ZB-624 (20) 0.18(mm)
IC 480-613702/13		02/03/2022 17:24	1	N1310.D	ZB-624 (20) 0.18(mm)
ICIS 480-613702/14		02/03/2022 17:47	1	N1311.D	ZB-624 (20) 0.18(mm)
IC 480-613702/15		02/03/2022 18:10	1	N1312.D	ZB-624 (20) 0.18(mm)
IC 480-613702/16		02/03/2022 18:34	1	N1313.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/03/2022 19:20	1		ZB-624 (20) 0.18(mm)
IC 480-613702/21		02/03/2022 20:28	1		ZB-624 (20) 0.18(mm)
IC 480-613702/22		02/03/2022 20:51	1		ZB-624 (20) 0.18(mm)
IC 480-613702/23		02/03/2022 21:14	1		ZB-624 (20) 0.18(mm)
IC 480-613702/24		02/03/2022 21:37	1		ZB-624 (20) 0.18(mm)
IC 480-613702/25		02/03/2022 21:59	1		ZB-624 (20) 0.18(mm)
IC 480-613702/26		02/03/2022 22:22	1		ZB-624 (20) 0.18(mm)
IC 480-613702/27		02/03/2022 22:45	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/03/2022 23:30	1		ZB-624 (20) 0.18(mm)
ICV 480-613702/30		02/03/2022 23:53	1	N1327.D	ZB-624 (20) 0.18(mm)
ICV 480-613702/31		02/04/2022 00:16	1		ZB-624 (20) 0.18(mm)

8260C

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973N Start Date: 03/08/2022 08:47

Analysis Batch Number: 617050 End Date: 03/08/2022 19:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-617050/2		03/08/2022 08:47	1	N1978.D	ZB-624 (20) 0.18(mm)
CCVIS 480-617050/3		03/08/2022 09:15	1	N1979.D	ZB-624 (20) 0.18(mm)
CCV 480-617050/4		03/08/2022 09:38	1		ZB-624 (20) 0.18(mm)
LCS 480-617050/5		03/08/2022 10:01	1	N1981.D	ZB-624 (20) 0.18(mm)
MB 480-617050/7		03/08/2022 10:47	1	N1983.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 11:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 11:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 12:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 12:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 12:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 13:19	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 13:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 14:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 14:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 14:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 15:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 15:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 16:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 16:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 16:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 17:09	1		ZB-624 (20) 0.18(mm)
LB 480-616936/1-A		03/08/2022 17:32	10	N2000.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 17:55	10		ZB-624 (20) 0.18(mm)
480-195466-9	LF1	03/08/2022 18:19	10	N2002.D	ZB-624 (20) 0.18(mm)
480-195466-10	LF2	03/08/2022 18:42	10	N2003.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 19:05	10		ZB-624 (20) 0.18(mm)
ZZZZZ		03/08/2022 19:28	10		ZB-624 (20) 0.18(mm)

8260C

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973S Start Date: 02/24/2022 18:24

Analysis Batch Number: 616002 End Date: 02/25/2022 03:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-616002/11		02/24/2022 18:24	1	S8644.D	ZB-624 (20) 0.18(mm)
IC 480-616002/13		02/24/2022 19:14	1	S8646.D	ZB-624 (20) 0.18(mm)
IC 480-616002/14		02/24/2022 19:38	1	S8647.D	ZB-624 (20) 0.18(mm)
IC 480-616002/15		02/24/2022 20:01	1	S8648.D	ZB-624 (20) 0.18(mm)
IC 480-616002/16		02/24/2022 20:24	1	S8649.D	ZB-624 (20) 0.18(mm)
IC 480-616002/17		02/24/2022 20:47	1	S8650.D	ZB-624 (20) 0.18(mm)
ICIS 480-616002/18		02/24/2022 21:10	1	S8651.D	ZB-624 (20) 0.18(mm)
IC 480-616002/19		02/24/2022 21:33	1	S8652.D	ZB-624 (20) 0.18(mm)
IC 480-616002/20		02/24/2022 21:56	1	S8653.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/24/2022 22:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/24/2022 23:07	1		ZB-624 (20) 0.18(mm)
IC 480-616002/25		02/24/2022 23:54	1		ZB-624 (20) 0.18(mm)
IC 480-616002/26		02/25/2022 00:17	1		ZB-624 (20) 0.18(mm)
IC 480-616002/27		02/25/2022 00:40	1		ZB-624 (20) 0.18(mm)
IC 480-616002/28		02/25/2022 01:04	1		ZB-624 (20) 0.18(mm)
IC 480-616002/29		02/25/2022 01:27	1		ZB-624 (20) 0.18(mm)
IC 480-616002/30		02/25/2022 01:51	1		ZB-624 (20) 0.18(mm)
IC 480-616002/31		02/25/2022 02:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/25/2022 03:01	1		ZB-624 (20) 0.18(mm)
ICV 480-616002/34		02/25/2022 03:24	1	S8667.D	ZB-624 (20) 0.18(mm)
ICV 480-616002/35		02/25/2022 03:48	1		ZB-624 (20) 0.18(mm)

8260C

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973S Start Date: 03/03/2022 11:33

Analysis Batch Number: 616658 End Date: 03/03/2022 23:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-616658/3		03/03/2022 11:33	1	S8712.D	ZB-624 (20) 0.18(mm)
CCVIS 480-616658/4		03/03/2022 12:02	1	S8713.D	ZB-624 (20) 0.18(mm)
CCV 480-616658/5		03/03/2022 12:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 13:03	1		ZB-624 (20) 0.18(mm)
LCS 480-616692/1-A		03/03/2022 13:26	1	S8716.D	ZB-624 (20) 0.18(mm)
MB 480-616692/2-A		03/03/2022 14:13	1	S8718.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 14:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 15:01	4		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 15:25	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 15:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 16:34	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 17:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 17:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 18:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 18:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 19:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 19:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 19:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 20:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 20:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 20:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 21:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 21:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 22:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 22:30	50		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 22:53	50		ZB-624 (20) 0.18(mm)
ZZZZZ		03/03/2022 23:16	50		ZB-624 (20) 0.18(mm)

8260C

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973S Start Date: 03/05/2022 22:30

Analysis Batch Number: 616884 End Date: 03/06/2022 08:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-616884/3		03/05/2022 22:30	1	S8813.D	ZB-624 (20) 0.18(mm)
CCVIS 480-616884/4		03/05/2022 22:53	1	S8814.D	ZB-624 (20) 0.18(mm)
CCV 480-616884/5		03/05/2022 23:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/05/2022 23:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 00:26	1		ZB-624 (20) 0.18(mm)
480-195466-1	SB201 (1.8-2.3)	03/06/2022 00:50	1	S8819.D	ZB-624 (20) 0.18(mm)
480-195466-2	SB201 (6-6.5)	03/06/2022 01:12	1	S8820.D	ZB-624 (20) 0.18(mm)
480-195466-3	SB202 (2-2.5)	03/06/2022 01:36	4	S8821.D	ZB-624 (20) 0.18(mm)
480-195466-4	SB202 (6-6.5)	03/06/2022 02:00	1	S8822.D	ZB-624 (20) 0.18(mm)
480-195466-5	SB203 (2-2.5)	03/06/2022 02:23	1	S8823.D	ZB-624 (20) 0.18(mm)
480-195466-6	SB203 (5-5.5)	03/06/2022 02:46	1	S8824.D	ZB-624 (20) 0.18(mm)
480-195466-7	SB204 (2.75-3.2)	03/06/2022 03:10	4	S8825.D	ZB-624 (20) 0.18(mm)
480-195466-8	SB204 (5.5-6.0)	03/06/2022 03:34	1	S8826.D	ZB-624 (20) 0.18(mm)
480-195466-11	LF1	03/06/2022 03:58	1	S8827.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 04:21	5		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 04:44	10		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 05:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 05:30	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 05:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 06:16	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 06:39	5		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 07:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 07:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 07:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 08:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 08:34	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/06/2022 08:57	2		ZB-624 (20) 0.18(mm)

8260C

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 613702 Batch Start Date: 02/03/22 14:38 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00219	BFB_WRK 00131	GAS CORP mix 00492	N 8260 IS 00226
BFB 480-613702/7		8260C		1 uL	1 uL		1 uL		
IC 480-613702/9		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-613702/10		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-613702/11		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-613702/12		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-613702/13		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-613702/14		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-613702/15		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-613702/16		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-613702/30		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00433	SS 8260 CORP 00098	SS GAS CORP 00443			
BFB 480-613702/7		8260C							
IC 480-613702/9		8260C		1 uL					
IC 480-613702/10		8260C		1 uL					
IC 480-613702/11		8260C		1 uL					
IC 480-613702/12		8260C		1 uL					
IC 480-613702/13		8260C		1 uL					
ICIS 480-613702/14		8260C		1 uL					
IC 480-613702/15		8260C		1 uL					
IC 480-613702/16		8260C		1 uL					
ICV 480-613702/30		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 613702 Batch Start Date: 02/03/22 14:38 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616692 Batch Start Date: 03/03/22 13:14 Batch Analyst: Hill, Leah C

Batch Method: 5035A_H Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00221	GAS CORP mix 00499
LCS 480-616692/1		5035A_H, 8260C		24 g	29 g	5 g	10 mL	125 uL	125 uL
MB 480-616692/2		5035A_H, 8260C		24 g	29 g	5 g	10 mL		
480-195466-B-1	SB201 (1.8-2.3)	5035A_H, 8260C	T	27.873 g	32.30 g	4.427 g	5 mL		
480-195466-B-2	SB201 (6-6.5)	5035A_H, 8260C	T	27.907 g	35.39 g	7.483 g	5 mL		
480-195466-B-3	SB202 (2-2.5)	5035A_H, 8260C	T	28.088 g	34.11 g	6.022 g	5 mL		
480-195466-B-4	SB202 (6-6.5)	5035A_H, 8260C	T	+027.409 g	34.35 g	6.941 g	5 mL		
480-195466-B-5	SB203 (2-2.5)	5035A_H, 8260C	T	+027.627 g	34.04 g	6.413 g	5 mL		
480-195466-B-6	SB203 (5-5.5)	5035A_H, 8260C	T	+027.519 g	34.34 g	6.821 g	5 mL		
480-195466-B-7	SB204 (2.75-3.2)	5035A_H, 8260C	T	+027.645 g	34.22 g	6.575 g	5 mL		
480-195466-B-8	SB204 (5.5-6.0)	5035A_H, 8260C	T	+027.674 g	34.32 g	6.646 g	5 mL		
480-195466-B-11	LF1	5035A_H, 8260C	T	+027.762 g	33.91 g	6.148 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-616692/1		5035A_H, 8260C							
MB 480-616692/2		5035A_H, 8260C							
480-195466-B-1	SB201 (1.8-2.3)	5035A_H, 8260C	T	TC incase					
480-195466-B-2	SB201 (6-6.5)	5035A_H, 8260C	T	TC incase					
480-195466-B-3	SB202 (2-2.5)	5035A_H, 8260C	T	TC ML base					
480-195466-B-4	SB202 (6-6.5)	5035A_H, 8260C	T	TC ML base					
480-195466-B-5	SB203 (2-2.5)	5035A_H, 8260C	T	TC ML base					
480-195466-B-6	SB203 (5-5.5)	5035A_H, 8260C	T	TC incase					

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 Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616692 Batch Start Date: 03/03/22 13:14 Batch Analyst: Hill, Leah C

Batch Method: 5035A_H Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
480-195466-B-7	SB204 (2.75-3.2)	5035A_H, 8260C	T	TC ML base					
480-195466-B-8	SB204 (5.5-6.0)	5035A_H, 8260C	T	TC ML base					
480-195466-B-11	LF1	5035A_H, 8260C	T	TC ML base					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand_00016

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616936 Batch Start Date: 03/07/22 08:34 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VesselNumber	FiltCompDate	FiltCompTime	LeachatepH
LB 480-616936/1		1311, 8260C			500 mL	16	3/8/22	10:13	4.91
480-195466-A-9	LF1	1311, 8260C	P	25.25 g	500 mL	19	3/8/22	10:13	5.98
480-195466-A-10	LF2	1311, 8260C	P	25.66 g	500 mL	1	3/8/22	10:13	6.12

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachVolume	TCLP%Solids	ExtractFluid	Pressure_Init	Pressure_Final	
LB 480-616936/1		1311, 8260C		120 mL	100 %	Voa free	50 psi absolute	50 psi absolute	
480-195466-A-9	LF1	1311, 8260C	P	120 mL	100 %	Voa free	50 psi absolute	50 psi absolute	
480-195466-A-10	LF2	1311, 8260C	P	120 mL	100 %	Voa free	50 psi absolute	50 psi absolute	

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 Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616936 Batch Start Date: 03/07/22 08:34 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Rotator ID	Tumbler #1 JP
Tumbler Rotations per Minute	28RPM
Balance ID	Balance-6
Room Temperature Thermometer ID	12227689
TCLP Fluid pH	4.92 SU
TCLP Fluid 1 ID	6885582
Uncorrected Minimum Temperature	23.6 Degrees C
Minumum Temperature	23.5 Celsius
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
pH Meter Calibration Slope	97.9%
pH Meter ID	K00599
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617050 Batch Start Date: 03/08/22 08:47 Batch Analyst: Izquierdo, Olivia M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00220	BFB_WRK 00132	GAS CORP mix 00499
BFB 480-617050/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-617050/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-617050/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-617050/7		8260C		5 mL	5 mL				
LB 480-616936/1-A		8260C		5 mL	5 mL	- SU			
480-195466-A-9-B	LF1	8260C	P	5 mL	5 mL	- SU			
480-195466-A-10-B	LF2	8260C	P	5 mL	5 mL	- SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00227	N_8260_Surr 00434	AnalysisComment			
BFB 480-617050/2		8260C							
CCVIS 480-617050/3		8260C		1 uL	1 uL				
LCS 480-617050/5		8260C		1 uL	1 uL				
MB 480-617050/7		8260C		1 uL	1 uL				
LB 480-616936/1-A		8260C		1 uL	1 uL	TCLP SOLID			
480-195466-A-9-B	LF1	8260C	P	1 uL	1 uL	TCLP SOLID			
480-195466-A-10-B	LF2	8260C	P	1 uL	1 uL	TCLP SOLID			

Batch Notes	

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 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
LF1	480-195466-9	46	31	88	90	93	102
LF2	480-195466-10	46	31	83	88	91	97
	MB 480-617177/1-A	51	35	92	97	86	107
	LB 480-616935/1-F	52	33	94	94	100	103
	LCS 480-617177/2-A	44	29	80	81	100	93
	LCSD 480-617177/3-A	50	34	92	95	114	103

	QC LIMITS
2FP = 2-Fluorophenol	35-120
PHL = Phenol-d5	22-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	41-120
TPHd14 = p-Terphenyl-d14	60-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: X21481280.D

Lab ID: LCS 480-617177/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	0.0500	0.0313	63	51-120	
2,4-Dinitrotoluene	0.0500	0.0462	92	69-120	
Hexachlorobenzene	0.0500	0.0455	91	61-120	
Hexachlorobutadiene	0.0500	0.0323	65	35-120	
Hexachloroethane	0.0500	0.0289	58	43-120	
3-Methylphenol	0.0500	0.0303	61	39-120	
2-Methylphenol	0.0500	0.0328	66	39-120	
4-Methylphenol	0.0500	0.0303	61	29-131	
Nitrobenzene	0.0500	0.0404	81	53-123	
Pentachlorophenol	0.100	0.106	106	29-136	
Pyridine	0.100	0.0195 J	20	10-120	
2,4,5-Trichlorophenol	0.0500	0.0441	88	65-126	
2,4,6-Trichlorophenol	0.0500	0.0427	85	64-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: X21481281.D

Lab ID: LCSD 480-617177/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	0.0500	0.0374	75	18	36	51-120	
2,4-Dinitrotoluene	0.0500	0.0542	108	16	20	69-120	
Hexachlorobenzene	0.0500	0.0517	103	13	15	61-120	
Hexachlorobutadiene	0.0500	0.0394	79	20	44	35-120	
Hexachloroethane	0.0500	0.0363	73	23	46	43-120	
3-Methylphenol	0.0500	0.0358	72	17	30	39-120	
2-Methylphenol	0.0500	0.0379	76	14	27	39-120	
4-Methylphenol	0.0500	0.0358	72	17	24	29-131	
Nitrobenzene	0.0500	0.0462	92	13	24	53-123	
Pentachlorophenol	0.100	0.124	124	15	37	29-136	
Pyridine	0.100	0.0268	27	31	49	10-120	
2,4,5-Trichlorophenol	0.0500	0.0519	104	16	18	65-126	
2,4,6-Trichlorophenol	0.0500	0.0497	99	15	19	64-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: X21481279.D Lab Sample ID: MB 480-617177/1-A

Matrix: Water Date Extracted: 03/08/2022 15:04

Instrument ID: HP5973X Date Analyzed: 03/09/2022 11:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-617177/2-A	X21481280.D	03/09/2022 12:14
	LCSD 480-617177/3-A	X21481281.D	03/09/2022 12:38
	LB 480-616935/1-F	X21481282.D	03/09/2022 13:03
LF1	480-195466-9	X21481284.D	03/09/2022 13:52
LF2	480-195466-10	X21481285.D	03/09/2022 14:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: X21481061.D DFTPP Injection Date: 02/24/2022

Instrument ID: HP5973X DFTPP Injection Time: 11:17

Analysis Batch No.: 615912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	57.6	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	48.6	
70	Less than 2% of mass 69	0.2	(0.3) 1
127	10-80% of Base Peak	57.1	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	20.8	
365	Greater than 1% of mass 198	2.2	
441	present but less than 24% of mass 442	11.1	(16.9) 2
442	Greater than 50% of mass 198	65.5	
443	15-24% of mass 442	14.6	(22.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-615912/3	X21481062.D	02/24/2022	11:42
	IC 480-615912/4	X21481063.D	02/24/2022	12:06
	IC 480-615912/5	X21481064.D	02/24/2022	12:31
	IC 480-615912/6	X21481065.D	02/24/2022	12:55
	ICIS 480-615912/7	X21481066.D	02/24/2022	13:19
	IC 480-615912/8	X21481067.D	02/24/2022	13:43
	IC 480-615912/9	X21481068.D	02/24/2022	14:08
	IC 480-615912/10	X21481070.D	02/24/2022	15:13
	ICV 480-615912/11	X21481071.D	02/24/2022	15:37

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: X21481274.D DFTPP Injection Date: 03/09/2022

Instrument ID: HP5973X DFTPP Injection Time: 09:48

Analysis Batch No.: 617260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	52.6	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	49.4	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	57.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	20.3	
365	Greater than 1% of mass 198	1.8	
441	present but less than 24% of mass 442	11.2	(16.2) 2
442	Greater than 50% of mass 198	68.9	
443	15-24% of mass 442	15.4	(22.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-617260/3	X21481275.D	03/09/2022	10:12
	MB 480-617177/1-A	X21481279.D	03/09/2022	11:50
	LCS 480-617177/2-A	X21481280.D	03/09/2022	12:14
	LCSD 480-617177/3-A	X21481281.D	03/09/2022	12:38
	LB 480-616935/1-F	X21481282.D	03/09/2022	13:03
LF1	480-195466-9	X21481284.D	03/09/2022	13:52
LF2	480-195466-10	X21481285.D	03/09/2022	14:16

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-615912/7 Date Analyzed: 02/24/2022 13:19

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X21481066.D Heated Purge: (Y/N) N

Calibration ID: 43156

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		198045	5.67	729855	7.22	359057	9.29
UPPER LIMIT		396090	6.17	1459710	7.72	718114	9.79
LOWER LIMIT		99023	5.17	364928	6.72	179529	8.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-615912/11		188108	5.67	684923	7.22	336136	9.29
CCVIS 480-617260/3		162623	5.72	557706	7.29	276939	9.29

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-615912/7 Date Analyzed: 02/24/2022 13:19

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X21481066.D Heated Purge: (Y/N) N

Calibration ID: 43156

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		564652	10.91	430275	13.30	408649	14.47
UPPER LIMIT		1129304	11.41	860550	13.80	817298	14.97
LOWER LIMIT		282326	10.41	215138	12.80	204325	13.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-615912/11		517864	10.91	384401	13.30	365101	14.46
CCVIS 480-617260/3		434159	10.90	348494	13.29	326965	14.45

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617260/3 Date Analyzed: 03/09/2022 10:12

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X21481275.D Heated Purge: (Y/N) N

Calibration ID: 43174

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		162623	5.72	557706	7.29	276939	9.29
UPPER LIMIT		325246	6.22	1115412	7.79	553878	9.79
LOWER LIMIT		81312	5.22	278853	6.79	138470	8.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-617177/1-A		161851	5.64	597467	7.19	285751	9.27
LCS 480-617177/2-A		155265	5.64	548296	7.19	268937	9.26
LCSD 480-617177/3-A		151409	5.64	540468	7.19	269465	9.26
LB 480-616935/1-F		161290	5.64	571863	7.19	270606	9.26
480-195466-9	LF1	166244	5.63	585167	7.19	282585	9.26
480-195466-10	LF2	150667	5.63	542158	7.19	253284	9.26

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617260/3 Date Analyzed: 03/09/2022 10:12

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X21481275.D Heated Purge: (Y/N) N

Calibration ID: 43174

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		434159	10.90	348494	13.29	326965	14.45
UPPER LIMIT		868318	11.40	696988	13.79	653930	14.95
LOWER LIMIT		217080	10.40	174247	12.79	163483	13.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-617177/1-A		452637	10.90	344041	13.28	323341	14.45
LCS 480-617177/2-A		412512	10.89	312761	13.29	304855	14.45
LCSD 480-617177/3-A		414160	10.89	313473	13.28	299127	14.44
LB 480-616935/1-F		427944	10.89	315433	13.28	306071	14.44
480-195466-9	LF1	456623	10.88	330767	13.28	304970	14.44
480-195466-10	LF2	403783	10.88	316640	13.27	305729	14.43

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: X21481284.D
Analysis Method: 8270D
Date Collected: 03/02/2022 14:15
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 13:52
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.040	0.0018
121-14-2	2,4-Dinitrotoluene	ND		0.020	0.0017
118-74-1	Hexachlorobenzene	ND		0.020	0.0020
87-68-3	Hexachlorobutadiene	ND		0.020	0.0027
67-72-1	Hexachloroethane	ND		0.020	0.0023
108-39-4	3-Methylphenol	ND		0.040	0.0016
95-48-7	2-Methylphenol	ND		0.020	0.0016
106-44-5	4-Methylphenol	ND		0.040	0.0014
98-95-3	Nitrobenzene	ND		0.020	0.0011
87-86-5	Pentachlorophenol	ND		0.040	0.0088
110-86-1	Pyridine	ND		0.10	0.0016
95-95-4	2,4,5-Trichlorophenol	ND		0.020	0.0019
88-06-2	2,4,6-Trichlorophenol	ND		0.020	0.0024

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		41-120
321-60-8	2-Fluorobiphenyl	90		48-120
367-12-4	2-Fluorophenol	46		35-120
4165-60-0	Nitrobenzene-d5	88		46-120
1718-51-0	p-Terphenyl-d14	102		60-148
4165-62-2	Phenol-d5	31		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481284.D				
Lims ID:	480-195466-A-9-G				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 13:52:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-012				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 13:13:45	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.630	5.644	-0.014	96	166244	40.0	
* 2 Naphthalene-d8	136	7.185	7.200	-0.015	100	585167	40.0	
* 3 Acenaphthene-d10	164	9.257	9.291	-0.034	93	282585	40.0	a
* 4 Phenanthrene-d10	188	10.884	10.903	-0.019	97	456623	40.0	
* 5 Chrysene-d12	240	13.279	13.288	-0.009	97	330767	40.0	
* 6 Perylene-d12	264	14.443	14.451	-0.008	93	304970	40.0	
$ 7 2-Fluorophenol	112	3.899	3.859	-0.008	94	107514	18.3	
$ 8 Phenol-d5	99	5.202	5.261	-0.059	97	85687	12.4	
$ 9 Nitrobenzene-d5	82	6.317	6.428	-0.111	90	192374	35.3	a
$ 10 2-Fluorobiphenyl	172	8.480	8.528	-0.048	100	331651	36.2	
$ 11 2,4,6-Tribromophenol	330	10.157	10.180	-0.023	82	28607	37.2	
$ 12 p-Terphenyl-d14	244	12.382	12.388	-0.006	97	326301	41.0	
17 Pyridine	52		1.989				ND	
37 1,4-Dichlorobenzene	146		5.735				ND	
40 2-Methylphenol	108		6.082				ND	
46 4-Methylphenol	108		6.286				ND	
50 Hexachloroethane	117		6.368				ND	
52 Nitrobenzene	77		6.450				ND	
73 Hexachlorobutadiene	225		7.478				ND	
86 2,4,6-Trichlorophenol	196		8.432				ND	
87 2,4,5-Trichlorophenol	196		8.474				ND	
106 2,4-Dinitrotoluene	165		9.519				ND	
131 Hexachlorobenzene	284		10.515				ND	
134 Pentachlorophenol	266		10.719				ND	
S 238 3-Methylphenol	1		-0.700				ND	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

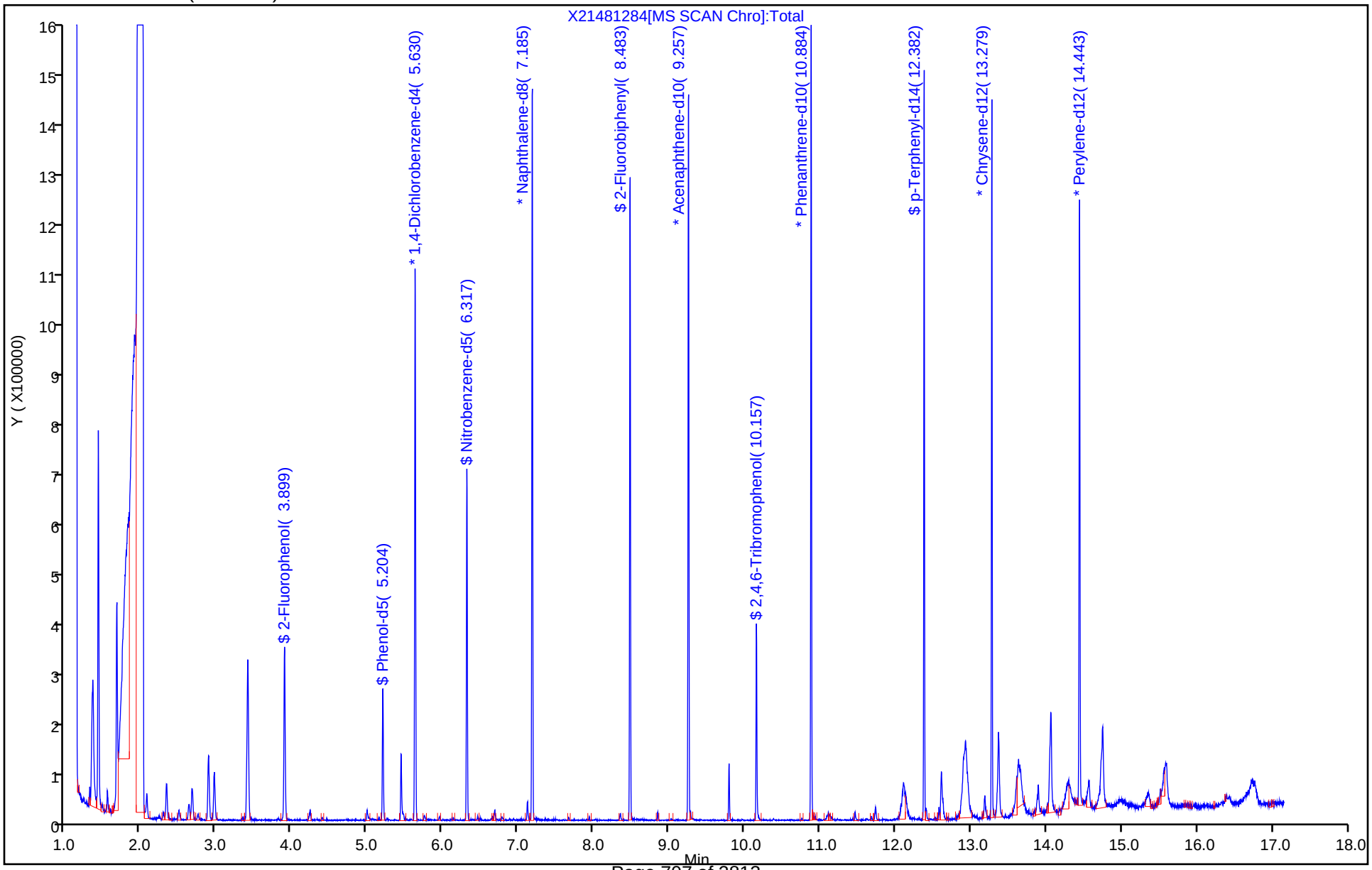
MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 13:20:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481284.D				
Injection Date:	09-Mar-2022 13:52:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	480-195466-A-9-G	Lab Sample ID:	480-195466-9	Worklist Smp#:	12
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481284.D				
Lims ID:	480-195466-A-9-G				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 13:52:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-012				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 13:13:45	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	18.3	45.76
$ 8 Phenol-d5	40.0	12.4	31.07
$ 9 Nitrobenzene-d5	40.0	35.3	88.37
$ 10 2-Fluorobiphenyl	40.0	36.2	90.48
$ 11 2,4,6-Tribromophenol	40.0	37.2	93.03
$ 12 p-Terphenyl-d14	40.0	41.0	102.49

Manual Integration/User Assign Peak Report

Eurofins Buffalo

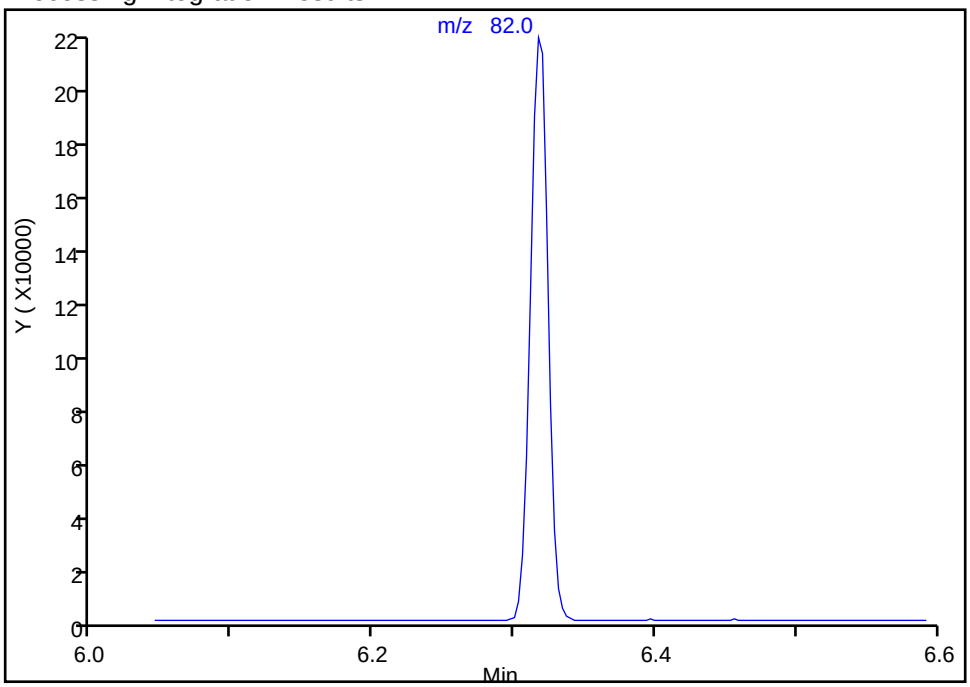
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481284.D				
Injection Date:	09-Mar-2022 13:52:30	Instrument ID:	HP5973X		
Lims ID:	480-195466-A-9-G	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	JM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

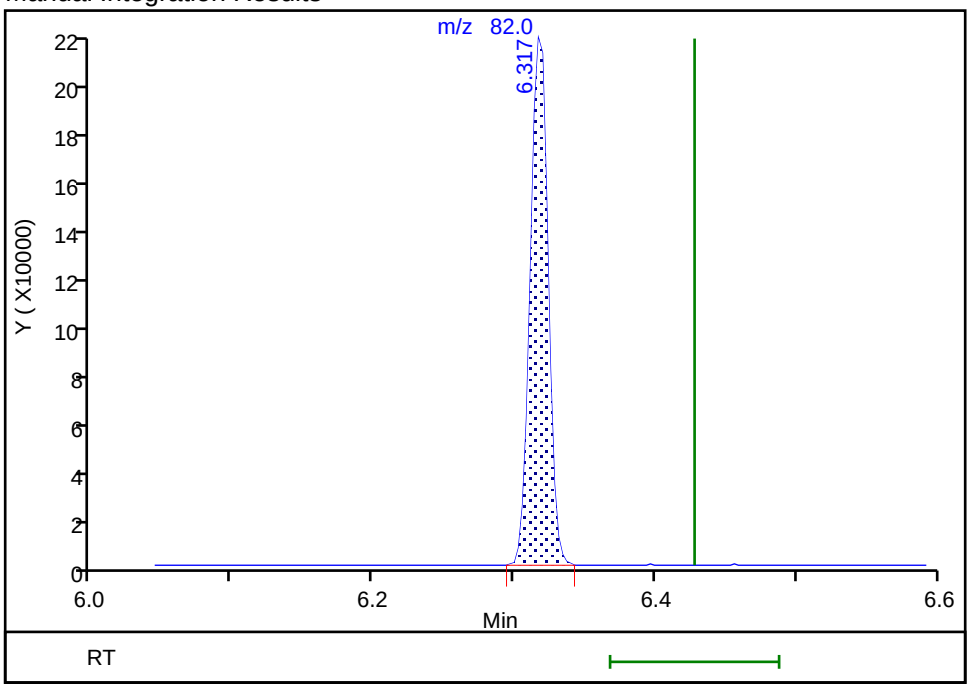
Not Detected
Expected RT: 6.43

Processing Integration Results



RT: 6.32
Area: 192374
Amount: 35.346543
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 09-Mar-2022 15:42:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

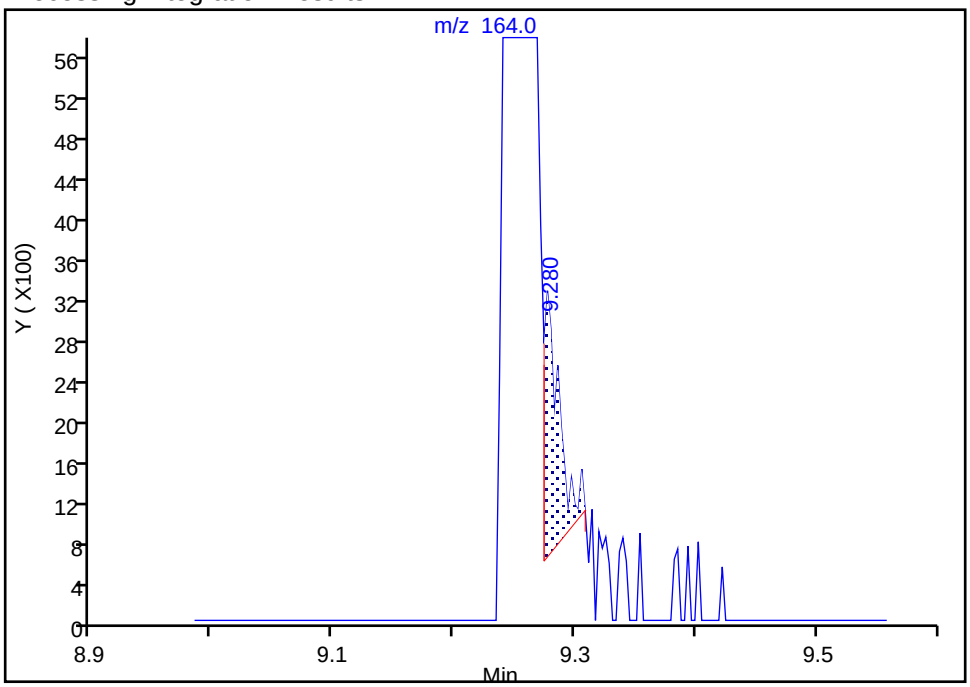
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481284.D				
Injection Date:	09-Mar-2022 13:52:30	Instrument ID:	HP5973X		
Lims ID:	480-195466-A-9-G	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	JM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

* 3 Acenaphthene-d10, CAS: 15067-26-2

Signal: 1

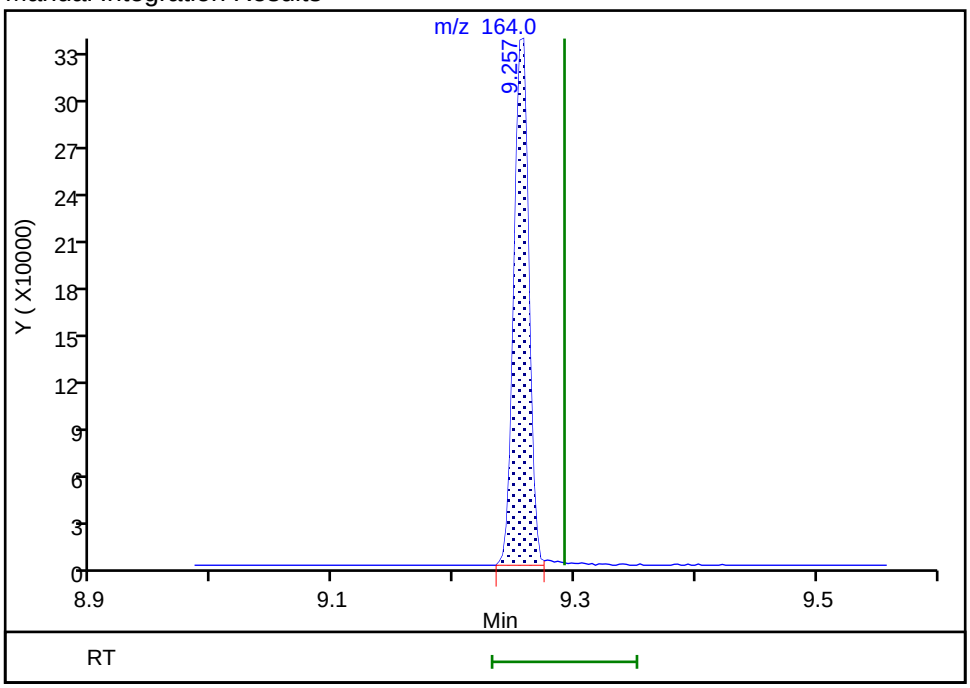
Processing Integration Results

RT: 9.28
Area: 2267
Amount: 40.000000
Amount Units: ng/uL



Manual Integration Results

RT: 9.26
Area: 282585
Amount: 40.000000
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:42:22

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid (TCLP)
Lab File ID: X21481285.D
Analysis Method: 8270D
Date Collected: 03/02/2022 14:25
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 14:16
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.040	0.0018
121-14-2	2,4-Dinitrotoluene	ND		0.020	0.0017
118-74-1	Hexachlorobenzene	ND		0.020	0.0020
87-68-3	Hexachlorobutadiene	ND		0.020	0.0027
67-72-1	Hexachloroethane	ND		0.020	0.0023
108-39-4	3-Methylphenol	ND		0.040	0.0016
95-48-7	2-Methylphenol	ND		0.020	0.0016
106-44-5	4-Methylphenol	ND		0.040	0.0014
98-95-3	Nitrobenzene	ND		0.020	0.0011
87-86-5	Pentachlorophenol	ND		0.040	0.0088
110-86-1	Pyridine	ND		0.10	0.0016
95-95-4	2,4,5-Trichlorophenol	ND		0.020	0.0019
88-06-2	2,4,6-Trichlorophenol	ND		0.020	0.0024

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	91		41-120
321-60-8	2-Fluorobiphenyl	88		48-120
367-12-4	2-Fluorophenol	46		35-120
4165-60-0	Nitrobenzene-d5	83		46-120
1718-51-0	p-Terphenyl-d14	97		60-148
4165-62-2	Phenol-d5	31		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481285.D				
Lims ID:	480-195466-A-10-G				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 14:16:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-013				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 13:13:45	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.633	5.644	-0.011	96	150667	40.0	
* 2 Naphthalene-d8	136	7.185	7.200	-0.015	100	542158	40.0	
* 3 Acenaphthene-d10	164	9.255	9.291	-0.036	93	253284	40.0	
* 4 Phenanthrene-d10	188	10.878	10.903	-0.025	98	403783	40.0	
* 5 Chrysene-d12	240	13.273	13.288	-0.015	98	316640	40.0	
* 6 Perylene-d12	264	14.434	14.451	-0.017	94	305729	40.0	
$ 7 2-Fluorophenol	112	3.902	3.859	-0.005	95	97047	18.2	
$ 8 Phenol-d5	99	5.204	5.261	-0.057	97	76564	12.3	
$ 9 Nitrobenzene-d5	82	6.320	6.428	-0.108	90	166545	33.0	a
$ 10 2-Fluorobiphenyl	172	8.480	8.528	-0.048	100	289602	35.2	
$ 11 2,4,6-Tribromophenol	330	10.154	10.180	-0.026	84	24791	36.5	
$ 12 p-Terphenyl-d14	244	12.377	12.388	-0.011	97	296469	38.9	
17 Pyridine	52		1.989				ND	
37 1,4-Dichlorobenzene	146		5.735				ND	
40 2-Methylphenol	108		6.082				ND	
46 4-Methylphenol	108		6.286				ND	
50 Hexachloroethane	117		6.368				ND	
52 Nitrobenzene	77		6.450				ND	
73 Hexachlorobutadiene	225		7.478				ND	
86 2,4,6-Trichlorophenol	196		8.432				ND	
87 2,4,5-Trichlorophenol	196		8.474				ND	
106 2,4-Dinitrotoluene	165		9.519				ND	
131 Hexachlorobenzene	284		10.515				ND	
134 Pentachlorophenol	266		10.719				ND	
S 238 3-Methylphenol	1		-0.700				ND	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

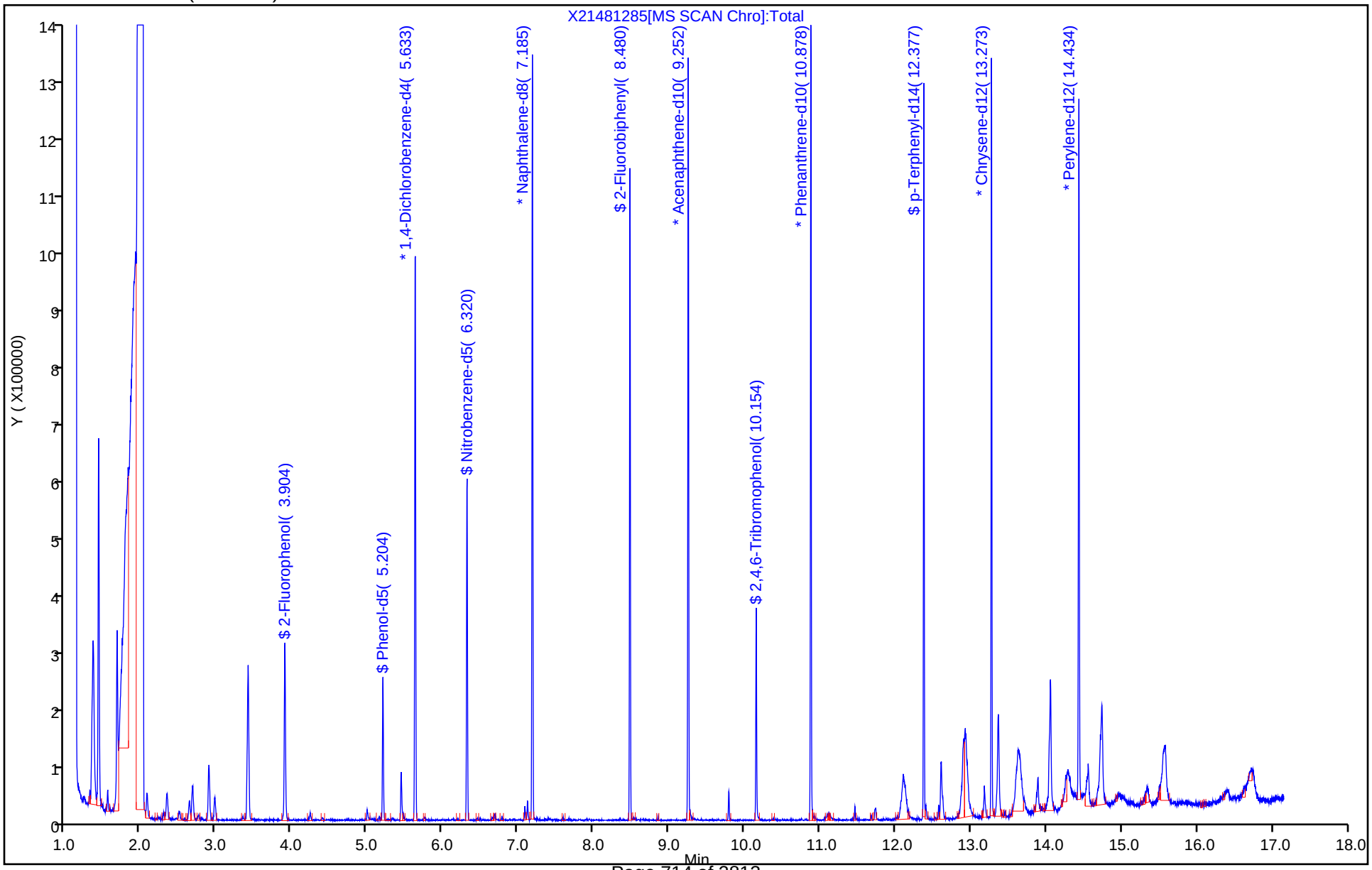
MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 13:20:04 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481285.D				
Injection Date:	09-Mar-2022 14:16:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	480-195466-A-10-G	Lab Sample ID:	480-195466-10	Worklist Smp#:	13
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481285.D				
Lims ID:	480-195466-A-10-G				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 14:16:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-013				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 13:13:45	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	18.2	45.58
$ 8 Phenol-d5	40.0	12.3	30.64
$ 9 Nitrobenzene-d5	40.0	33.0	82.57
$ 10 2-Fluorobiphenyl	40.0	35.2	88.12
$ 11 2,4,6-Tribromophenol	40.0	36.5	91.23
$ 12 p-Terphenyl-d14	40.0	38.9	97.27

Manual Integration/User Assign Peak Report

Eurofins Buffalo

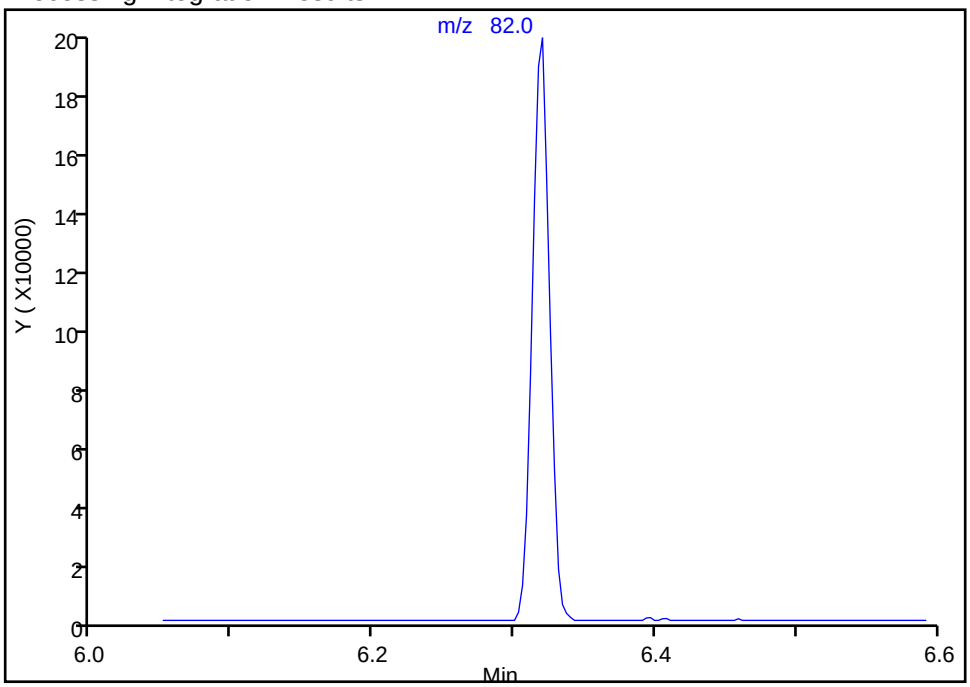
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481285.D				
Injection Date:	09-Mar-2022 14:16:30	Instrument ID:	HP5973X		
Lims ID:	480-195466-A-10-G	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	JM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

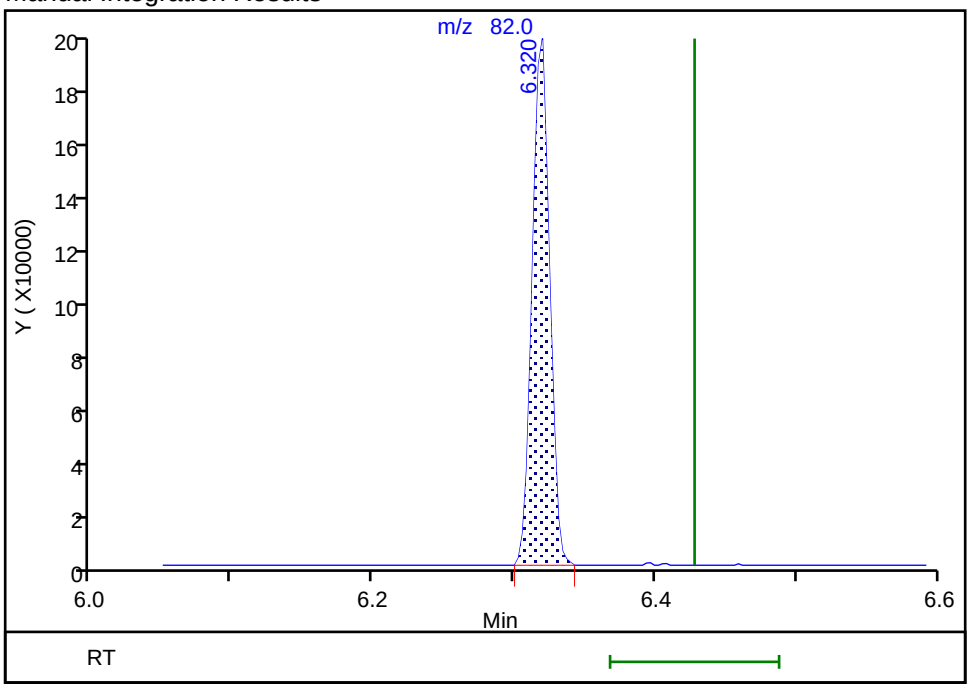
Processing Integration Results

Not Detected
Expected RT: 6.43



Manual Integration Results

RT: 6.32
Area: 166545
Amount: 33.028292
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:42:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615912/3	X21481062.D
Level 2	IC 480-615912/4	X21481063.D
Level 3	IC 480-615912/5	X21481064.D
Level 4	IC 480-615912/6	X21481065.D
Level 5	ICIS 480-615912/7	X21481066.D
Level 6	IC 480-615912/8	X21481067.D
Level 7	IC 480-615912/9	X21481068.D
Level 8	IC 480-615912/10	X21481070.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	0.6348	0.8479 0.6237	0.7215 0.6237	0.6630	0.6552	Lin2	0.5366	0.6280			0.0100	1.9			1.0000		0.9900
N-Nitrosodimethylamine	0.9448	1.0497 0.9535	1.0494 0.9404	0.9942	0.9872	Ave		0.9884			0.0100	4.7		20.0			
Pyridine	1.0796	1.8921 1.1391	1.8126 1.1190	1.3738	1.1614	Lin1	5.3138	1.1036			0.0100	14.6			0.9980		0.9900
Benzaldehyde	0.8762	1.2001 +++++	1.1541 +++++	1.1745	0.9774	Ave		1.0764			0.0100	13.2		20.0			
Phenol	1.8627	1.8959 1.8552	1.9254 1.7912	1.9799	1.9654	Ave		1.8965			0.8000	3.5		20.0			
Aniline	2.1833	2.0937 2.1567	2.2143 2.1021	2.2843	2.2479	Ave		2.1832			0.0100	3.3		20.0			
Bis(2-chloroethyl)ether	1.4286	1.4571 1.4071	1.4571 1.3686	1.4767	1.4902	Ave		1.4408			0.7000	2.9		20.0			
2-Chlorophenol	1.4423	1.2965 1.4361	1.3941 1.4051	1.4397	1.4812	Ave		1.4136			0.8000	4.2		20.0			
n-Decane	2.0194	2.0749 1.9837	2.0809 1.9013	2.1288	2.1343	Ave		2.0462			0.0100	4.1		20.0			
1,3-Dichlorobenzene	1.5319	1.6043 1.5204	1.6158 1.4674	1.5991	1.5842	Ave		1.5604			0.0100	3.5		20.0			
1,4-Dichlorobenzene	1.5411	1.5946 1.5375	1.6021 1.4846	1.6133	1.6156	Ave		1.5698			0.0100	3.2		20.0			
Benzyl alcohol	0.9101	0.7618 0.9150	0.8542 0.8994	0.9401	0.9505	Lin2	-0.406	0.9306			0.0100	2.6			0.9990		0.9900
1,2-Dichlorobenzene	1.4395	1.4747 1.4253	1.4776 1.3850	1.5252	1.4861	Ave		1.4591			0.0100	3.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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								
Indene	0.8246	0.9443 0.7731	0.9426 0.7469	0.8874	0.8572	Lin2	1.2125	0.8135			0.0100	6.5			0.9950		0.9900
2-Methylphenol	1.2361	1.1583 1.2409	1.2567 1.1945	1.2938	1.2938	Ave		1.2392			0.7000	4.0		20.0			
bis (2-chloroisopropyl) ether	2.4047	2.4807 2.3838	2.5768 2.2987	2.5668	2.5085	Ave		2.4600			0.0100	4.2		20.0			
Acetophenone	1.7870	1.6893 1.7927	1.8159 1.7275	1.9060	1.8767	Ave		1.7993			0.0100	4.3		20.0			
N-Nitrosodi-n-propylamine	0.9710	0.9022 0.9913	0.9371 0.9603	0.9964	1.0114	Ave		0.9671			0.5000	3.9		20.0			
4-Methylphenol	1.2757	1.2517 1.2794	1.2903 1.2371	1.3424	1.3261	Ave		1.2861			0.6000	2.9		20.0			
Hexachloroethane	0.6012	0.6270 0.6065	0.6284 0.5758	0.6068	0.6200	Ave		0.6094			0.3000	3.0		20.0			
Nitrobenzene	0.3740	0.3681 0.3726	0.3677 0.3672	0.3768	0.3794	Ave		0.3723			0.2000	1.3		20.0			
Isophorone	0.6796	0.6863 0.6710	0.6783 0.6656	0.6998	0.6948	Ave		0.6822			0.4000	1.8		20.0			
2-Nitrophenol	0.1873	0.1419 0.1893	0.1319 0.1895	0.1573	0.1790	Lin2	-0.130	0.1810			0.1000	8.7			0.9920		0.9900
2,4-Dimethylphenol	0.3526	0.3213 0.3475	0.3584 0.3472	0.3532	0.3572	Ave		0.3482			0.2000	3.6		20.0			
Bis(2-chloroethoxy)methane	0.4232	0.4393 0.4172	0.4212 0.4130	0.4536	0.4349	Ave		0.4289			0.3000	3.3		20.0			
Benzoic acid	0.2162	+++++ 0.2380	0.0824 0.2454	0.1487	0.1943	Lin1	-3.216	0.2406			0.0100	15.5			0.9940		0.9900
2,4-Dichlorophenol	0.2754	0.2281 0.2747	0.2618 0.2707	0.2758	0.2823	Lin2	-0.117	0.2786			0.2000	2.1			1.0000		0.9900
1,2,4-Trichlorobenzene	0.2853	0.3011 0.2766	0.3072 0.2726	0.2924	0.2936	Ave		0.2898			0.0100	4.3		20.0			
Naphthalene	1.1664 1.0053	1.1136 0.9769	1.1054 0.9482	1.0723	1.0426	Lin2	0.0784	1.0274			0.7000	5.4			0.9970		0.9900
4-Chloroaniline	0.4369	0.4125 0.4259	0.4286 0.4190	0.4563	0.4494	Ave		0.4326			0.0100	3.7		20.0			
2,6-Dichlorophenol	0.2698	0.2360 0.2660	0.2423 0.2611	0.2728	0.2741	Lin2	-0.092	0.2694			0.0100	2.7			0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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								
Hexachlorobutadiene	0.1500	0.1388 0.1458	0.1520 0.1457	0.1544	0.1529	Ave		0.1485			0.0100	3.7		20.0			
Caprolactam	0.1062	0.0805 0.1132	0.0976 0.1104	0.1010	0.1091	Lin2	-0.072	0.1097			0.0100	3.1			0.9990		0.9900
4-Chloro-3-methylphenol	0.2858	0.2386 0.2833	0.2490 0.2801	0.2800	0.2861	Lin2	-0.126	0.2844			0.2000	2.0			1.0000		0.9900
2-Methylnaphthalene	0.6104 0.6702	0.6757 0.6652	0.6746 0.6437	0.7128	0.6933	Ave		0.6682			0.4000	4.6		20.0			
1-Methylnaphthalene	0.5650 0.6102	0.6350 0.6086	0.6511 0.5941	0.6425	0.6239	Ave		0.6163			0.0100	4.6		20.0			
1,2,4,5-Tetrachlorobenzene	0.5014	0.5646 0.4745	0.5297 0.4781	0.5191	0.5127	Lin2	0.1844	0.4931			0.0100	3.2			0.9990		0.9900
Hexachlorocyclopentadiene	0.3597	0.3396 0.3410	0.3313 0.3438	0.3499	0.3602	Ave		0.3465			0.0500	3.1		20.0			
2,4,6-Trichlorophenol	0.3509	0.2498 0.3481	0.2903 0.3491	0.3417	0.3455	Lin2	-0.263	0.3512			0.2000	1.3			1.0000		0.9900
2,4,5-Trichlorophenol	0.3656	0.2920 0.3589	0.3026 0.3699	0.3600	0.3733	Lin2	-0.213	0.3673			0.2000	3.4			0.9990		0.9900
Biphenyl	1.5408	1.6028 1.4598	1.6070 1.4403	1.6038	1.5674	Ave		1.5460			0.0100	4.5		20.0			
2-Chloronaphthalene	1.1989	1.2169 1.1325	1.2405 1.1266	1.2502	1.2050	Ave		1.1958			0.8000	4.1		20.0			
2-Nitroaniline	0.3967	0.2768 0.3979	0.2878 0.4007	0.3600	0.3832	Lin2	-0.333	0.3908			0.0100	5.4			0.9970		0.9900
Dimethyl phthalate	1.2657	1.2684 1.2329	1.2861 1.2243	1.3345	1.2911	Ave		1.2718			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1047	0.0473 0.1080	0.0659 0.1099	0.0865	0.1019	Lin2	-0.156	0.1047			0.0100	6.8			0.9950		0.9900
2,6-Dinitrotoluene	0.3139	0.2080 0.3127	0.2303 0.3117	0.2941	0.3085	Lin2	-0.288	0.3114			0.2000	4.0			0.9980		0.9900
Acenaphthylene	1.7946 1.8602	1.7842 1.7846	1.9064 1.7662	1.9725	1.9168	Ave		1.8482			0.9000	4.2		20.0			
3-Nitroaniline	0.3529	0.2469 0.3553	0.2678 0.3592	0.3430	0.3605	Lin2	-0.309	0.3573			0.0100	4.0			0.9980		0.9900
Acenaphthene	1.3200 1.1562	1.1956 1.1356	1.2137 1.1128	1.2452	1.1946	Ave		1.1967			0.9000	5.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1287	+++++ 0.1416	0.0463 0.1493	0.0773	0.1125	Lin1	-1.421	0.1445			0.0100	20.1			0.9900		0.9900
4-Nitrophenol	0.1652	0.0701 0.1740	0.1054 0.1760	0.1428	0.1587	Lin2	-0.520	0.1676			0.0100	5.8			0.9960		0.9900
2,4-Dinitrotoluene	0.3863	0.2575 0.3955	0.2723 0.3901	0.3646	0.3873	Lin2	-0.377	0.3880			0.2000	5.5			0.9970		0.9900
Dibenzofuran	1.4985 1.5692	1.6824 1.5041	1.6397 1.4858	1.6757	1.6031	Ave		1.5823			0.8000	5.1		20.0			
2,3,4,6-Tetrachlorophenol	0.2425	0.1530 0.2392	0.1711 0.2501	0.2083	0.2357	Lin2	-0.241	0.2382			0.0100	6.1			0.9960		0.9900
Diethyl phthalate	1.2678	1.2332 1.2603	1.2326 1.2529	1.3237	1.3144	Ave		1.2692			0.0100	2.9		20.0			
Hexadecane	1.1204	1.0924 1.0762	1.0675 1.0608	1.1726	1.1428	Ave		1.1047			0.0100	3.8		20.0			
Fluorene	1.1207 1.2340	1.3130 1.2086	1.2797 1.1952	1.3674	1.2950	Lin2	-0.069	1.2748			0.9000	5.2			0.9970		0.9900
4-Chlorophenyl phenyl ether	0.5439	0.5622 0.5309	0.5383 0.5219	0.5799	0.5611	Ave		0.5483			0.4000	3.7		20.0			
4-Nitroaniline	0.3167	0.2364 0.3297	0.2802 0.3406	0.3278	0.3010	Lin2	-0.228	0.3274			0.0100	4.1			0.9980		0.9900
4,6-Dinitro-2-methylphenol	0.1097	+++++ 0.1197	0.0455 0.1178	0.0761	0.0983	Lin1	-0.971	0.1186			0.0100	13.7			0.9960		0.9900
Diphenylamine	0.6866	0.6579 0.6797	0.6586 0.6615	0.7070	0.6884	Ave		0.6771			0.0100	2.7		20.0			
N-Nitrosodiphenylamine	0.5871	0.5625 0.5811	0.5631 0.5656	0.6045	0.5886	Ave		0.5789			0.0100	2.7		20.0			
1,2-Diphenylhydrazine	0.8640	0.8205 0.8471	0.8891 0.8171	0.9015	0.8832	Ave		0.8604			0.0100	3.9		20.0			
trans-Azobenzene	0.8640	0.8205 0.8471	0.8891 0.8171	0.9015	0.8832	Ave		0.8604			0.0100	3.9		20.0			
4-Bromophenyl phenyl ether	0.1814	0.1840 0.1801	0.1881 0.1744	0.1857	0.1824	Ave		0.1823			0.1000	2.4		20.0			
Hexachlorobenzene	0.1669	0.1661 0.1660	0.1753 0.1635	0.1757	0.1728	Ave		0.1695			0.1000	3.0		20.0			
Atrazine	0.3066	0.2993 0.3057	0.2911 0.2993	0.3241	0.3219	Ave		0.3069			0.0100	4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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								
Pentachlorophenol	0.0919	0.0528 0.0967	0.0522 0.0972	0.0753	0.0877	Lin1	-0.338	0.0959			0.0500	13.9			0.9980		0.9900
n-Octadecane	0.7163	0.6627 0.6974	0.6823 0.6679	0.7436	0.7295	Ave		0.6999			0.0100	4.4		20.0			
Phenanthrene	1.1002 1.0598	1.1337 1.0632	1.1568 1.0140	1.1492	1.1291	Ave		1.1008			0.7000	4.6		20.0			
Anthracene	0.9874 1.0879	1.1313 1.0852	1.1691 1.0504	1.1947	1.1549	Lin2	-0.065	1.1295			0.7000	5.0			0.9980		0.9900
Carbazole	0.9704	0.9966 1.0053	1.0795 0.9545	1.1072	1.0216	Ave		1.0193			0.0100	5.5		20.0			
Di-n-butyl phthalate	1.3097	1.1478 1.3093	1.2762 1.2544	1.3841	1.3747	Lin2	-0.416	1.3352			0.0100	4.1			0.9980		0.9900
Fluoranthene	0.9239 1.0309	1.0416 1.0613	1.0865 1.0176	1.1113	1.0918	Ave		1.0456			0.6000	5.6		20.0			
Benzidine	0.6831	0.6700 0.5960	0.6404 +++++	0.8375	0.6992	Ave		0.6877			0.0100	11.9		20.0			
Pyrene	1.3305 1.4349	1.4757 1.4164	1.5083 1.4017	1.5445	1.4661	Ave		1.4473			0.6000	4.6		20.0			
Butyl benzyl phthalate	0.7795	0.6121 0.7560	0.6739 0.7717	0.7512	0.7695	Lin2	-0.417	0.7721			0.0100	1.4			1.0000		0.9900
3,3'-Dichlorobenzidine	0.4518	0.3694 0.4332	0.3762 0.4229	0.4162	0.4297	Lin2	-0.183	0.4324			0.0100	3.4			0.9990		0.9900
Benzo[a]anthracene	1.2759 1.3092	1.3186 1.2926	1.3369 1.2993	1.3643	1.2984	Ave		1.3119			0.8000	2.1		20.0			
Bis(2-ethylhexyl) phthalate	1.1348	0.9505 1.1214	0.9995 1.1161	1.1484	1.1529	Lin2	-0.509	1.1398			0.0100	2.5			0.9990		0.9900
Chrysene	1.2633 1.2225	1.3095 1.1906	1.3506 1.1905	1.3234	1.2615	Ave		1.2640			0.7000	4.8		20.0			
Di-n-octyl phthalate	1.9216	1.2733 1.8991	1.5837 1.8785	1.8627	1.9263	Lin2	-1.645	1.9274			0.0100	1.4			1.0000		0.9900
Benzo[b]fluoranthene	1.2948 1.3501	1.2152 1.3194	1.2884 1.2438	1.3601	1.3180	Ave		1.2987			0.7000	3.8		20.0			
Benzo[k]fluoranthene	1.1673 1.2825	1.3955 1.2600	1.3604 1.2010	1.4019	1.3175	Ave		1.2983			0.7000	6.7		20.0			
Benzo[a]pyrene	0.8984 1.2793	1.2123 1.2496	1.2124 1.1933	1.2912	1.2752	Lin2	-0.180	1.2621			0.7000	2.8			0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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								
Indeno[1,2,3-cd]pyrene	1.1359 1.3576	1.1830 1.3447	1.2126 1.2928	1.2933	1.2966	Lin2	-0.090	1.2949			0.5000	4.1			0.9980		0.9900
Dibenz(a,h)anthracene	0.7685 1.1925	1.0820 1.1681	1.0354 1.1212	1.1315	1.1439	Lin2	-0.190	1.1444			0.4000	3.4			0.9990		0.9900
Benzo[g,h,i]perylene	1.0140 1.2082	1.0545 1.2228	1.0865 1.1592	1.1568	1.1310	Lin2	-0.081	1.1563			0.5000	4.5			0.9980		0.9900
2-Fluorophenol	1.4363	1.3226 1.4323	1.3547 1.4249	1.4292	1.4924	Ave		1.4132			0.0100	4.0		20.0			
Phenol-d5	1.6766	1.4771 1.6716	1.6526 1.6150	1.7381	1.7186	Lin2	-0.468	1.6965			0.0100	3.3			0.9990		0.9900
Nitrobenzene-d5	0.3825	0.3563 0.3816	0.3608 0.3732	0.3696	0.3802	Ave		0.3720			0.0100	2.8		20.0			
2-Fluorobiphenyl	1.3068	1.4786 1.2389	1.3925 1.2404	1.3491	1.3316	Lin2	0.5124	1.2830			0.0100	3.1			0.9990		0.9900
2,4,6-Tribromophenol	0.0694	0.0366 0.0724	0.0456 0.0706	0.0635	0.0671	Lin2	-0.091	0.0698			0.0100	5.1			0.9970		0.9900
p-Terphenyl-d14	0.9765	0.9043 0.9394	0.9841 0.9411	1.0167	0.9755	Ave		0.9625			0.0100	3.8		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615912/3	X21481062.D
Level 2	IC 480-615912/4	X21481063.D
Level 3	IC 480-615912/5	X21481064.D
Level 4	IC 480-615912/6	X21481065.D
Level 5	ICIS 480-615912/7	X21481066.D
Level 6	IC 480-615912/8	X21481067.D
Level 7	IC 480-615912/9	X21481068.D
Level 8	IC 480-615912/10	X21481070.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Lin2	275045	9881 301995	16328 412480	56702	162196	80.0	2.50 120	5.00 160	20.0	50.0
N-Nitrosodimethylamine	DCBd 4	Ave	409342	12232 461699	23748 621922	85035	244381	80.0	2.50 120	5.00 160	20.0	50.0
Pyridine	DCBd 4	Lin1	935536	44096 1103144	82039 1480127	234999	575012	160	5.00 240	10.0 320	40.0	100
Benzaldehyde	DCBd 4	Ave	379632	13984 +++++	26118 +++++	100448	241955	80.0	2.50 +++++	5.00 +++++	20.0	50.0
Phenol	DCBd 4	Ave	807061	22092 898339	43572 1184612	169339	486539	80.0	2.50 120	5.00 160	20.0	50.0
Aniline	DCBd 4	Ave	945988	24397 1044332	50111 1390226	195373	556487	80.0	2.50 120	5.00 160	20.0	50.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	618965	16979 681389	32974 905130	126300	368897	80.0	2.50 120	5.00 160	20.0	50.0
2-Chlorophenol	DCBd 4	Ave	624899	15108 695433	31549 929214	123136	366679	80.0	2.50 120	5.00 160	20.0	50.0
n-Decane	DCBd 4	Ave		24178	47092	182068	528370		2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			874948	960563	1257386			80.0	120	160		
1,3-Dichlorobenzene	DCBd 4	Ave		18695	36566	136764	392179		2.50	5.00	20.0	50.0
			663740	736256	970447			80.0	120	160		
1,4-Dichlorobenzene	DCBd 4	Ave		18581	36256	137983	399948		2.50	5.00	20.0	50.0
			667732	744520	981845			80.0	120	160		
Benzyl alcohol	DCBd 4	Lin2		8877	19330	80407	235296		2.50	5.00	20.0	50.0
			394309	443100	594791			80.0	120	160		
1,2-Dichlorobenzene	DCBd 4	Ave		17184	33438	130448	367904		2.50	5.00	20.0	50.0
			623717	690185	915971			80.0	120	160		
Indene	PHN	Lin2		87194	175441	659548	1814986		7.50	15.0	60.0	150
			2916906	3230195	4130985			240	360	480		
2-Methylphenol	DCBd 4	Ave		13498	28440	110656	320286		2.50	5.00	20.0	50.0
			535571	600871	789986			80.0	120	160		
bis (2-chloroisopropyl) ether	DCBd 4	Ave		28907	58313	219535	621005		2.50	5.00	20.0	50.0
			1041911	1154324	1520224			80.0	120	160		
Acetophenone	DCBd 4	Ave		19685	41094	163014	464577		2.50	5.00	20.0	50.0
			774293	868105	1142456			80.0	120	160		
N-Nitrosodi-n-propylamine	DCBd 4	Ave		10513	21206	85218	250369		2.50	5.00	20.0	50.0
			420700	480024	635101			80.0	120	160		
4-Methylphenol	DCBd 4	Ave		14586	29199	114811	328287		2.50	5.00	20.0	50.0
			552720	619542	818159			80.0	120	160		
Hexachloroethane	DCBd 4	Ave		7306	14221	51894	153492		2.50	5.00	20.0	50.0
			260473	293670	380814			80.0	120	160		
Nitrobenzene	NPT	Ave		14829	30103	118559	346157		2.50	5.00	20.0	50.0
			585223	666847	874473			80.0	120	160		
Isophorone	NPT	Ave		27645	55542	220161	633841		2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1063411	1200982	1585077			80.0	120	160		
2-Nitrophenol	NPT	Lin2		5717	10798	49484	163323		2.50	5.00	20.0	50.0
			293114	338764	451320			80.0	120	160		
2,4-Dimethylphenol	NPT	Ave		12944	29343	111138	325873		2.50	5.00	20.0	50.0
			551655	621911	826763			80.0	120	160		
Bis(2-chloroethoxy)methane	NPT	Ave		17695	34485	142714	396780		2.50	5.00	20.0	50.0
			662190	746677	983477			80.0	120	160		
Benzoic acid	NPT	Lin1		+++++	20239	140400	531741		+++++	15.0	60.0	150
			1015068	1277728	1753348			240	360	480		
2,4-Dichlorophenol	NPT	Lin2		9188	21433	86781	257578		2.50	5.00	20.0	50.0
			430966	491661	644605			80.0	120	160		
1,2,4-Trichlorobenzene	NPT	Ave		12130	25149	91991	267869		2.50	5.00	20.0	50.0
			446351	495049	649013			80.0	120	160		
Naphthalene	NPT	Lin2	9748	44858	90511	337359	951185	0.500	2.50	5.00	20.0	50.0
			1572956	1748548	2257893			80.0	120	160		
4-Chloroaniline	NPT	Ave		16615	35092	143557	410041		2.50	5.00	20.0	50.0
			683654	762240	997646			80.0	120	160		
2,6-Dichlorophenol	NPT	Lin2		9507	19840	85819	250079		2.50	5.00	20.0	50.0
			422197	476056	621737			80.0	120	160		
Hexachlorobutadiene	NPT	Ave		5593	12443	48569	139524		2.50	5.00	20.0	50.0
			234701	260966	346972			80.0	120	160		
Caprolactam	NPT	Lin2		3241	7988	31776	99560		2.50	5.00	20.0	50.0
			166214	202528	262942			80.0	120	160		
4-Chloro-3-methylphenol	NPT	Lin2		9612	20384	88094	261029		2.50	5.00	20.0	50.0
			447153	507025	667052			80.0	120	160		
2-Methylnaphthalene	NPT	Ave	5101	27218	55238	224266	632470	0.500	2.50	5.00	20.0	50.0
			1048692	1190545	1532754			80.0	120	160		
1-Methylnaphthalene	NPT	Ave	4722	25580	53311	202148	569234	0.500	2.50	5.00	20.0	50.0
			954675	1089276	1414740			80.0	120	160		
1,2,4,5-Tetrachlorobenzene	ANT	Lin2		10844	21205	80881	230124		2.50	5.00	20.0	50.0
			380563	427370	559845			80.0	120	160		
Hexachlorocyclopentadiene	ANT	Ave		6522	13264	54516	161668		2.50	5.00	20.0	50.0
			272963	307143	402571			80.0	120	160		
2,4,6-Trichlorophenol	ANT	Lin2		4798	11622	53238	155075		2.50	5.00	20.0	50.0
			266293	313500	408822			80.0	120	160		
2,4,5-Trichlorophenol	ANT	Lin2		5609	12114	56087	167567		2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			277439	323202	433157			80.0	120	160		
Biphenyl	ANT	Ave		30786	64336	249902	703479		2.50	5.00	20.0	50.0
			1169355	1314685	1686650			80.0	120	160		
2-Chloronaphthalene	ANT	Ave		23373	49662	194804	540825		2.50	5.00	20.0	50.0
			909877	1019909	1319326			80.0	120	160		
2-Nitroaniline	ANT	Lin2		5316	11522	56095	171987		2.50	5.00	20.0	50.0
			301107	358358	469236			80.0	120	160		
Dimethyl phthalate	ANT	Ave		24362	51487	207938	579458		2.50	5.00	20.0	50.0
			960563	1110385	1433658			80.0	120	160		
1,3-Dinitrobenzene	NPT	Lin2		1904	5394	27228	93006		2.50	5.00	20.0	50.0
			163780	193247	261735			80.0	120	160		
2,6-Dinitrotoluene	ANT	Lin2		3995	9220	45830	138440		2.50	5.00	20.0	50.0
			238221	281634	364981			80.0	120	160		
Acenaphthylene	ANT	Ave	7377	34270	76319	307340	860285	0.500	2.50	5.00	20.0	50.0
			1411765	1607210	2068341			80.0	120	160		
3-Nitroaniline	ANT	Lin2		4743	10722	53444	161819		2.50	5.00	20.0	50.0
			267865	320003	420673			80.0	120	160		
Acenaphthene	ANT	Ave	5426	22964	48588	194024	536181	0.500	2.50	5.00	20.0	50.0
			877492	1022726	1303106			80.0	120	160		
2,4-Dinitrophenol	ANT	Lin1		+++++	3705	24103	100970		+++++	10.0	40.0	100
			195394	254963	349704			160	240	320		
4-Nitrophenol	ANT	Lin2		2693	8441	44486	142428		5.00	10.0	40.0	100
			250766	313338	412206			160	240	320		
2,4-Dinitrotoluene	ANT	Lin2		4945	10902	56813	173845		2.50	5.00	20.0	50.0
			293160	356172	456881			80.0	120	160		
Dibenzofuran	ANT	Ave	6160	32314	65645	261102	719519	0.500	2.50	5.00	20.0	50.0
			1190898	1354559	1739912			80.0	120	160		
2,3,4,6-Tetrachlorophenol	ANT	Lin2		2938	6850	32455	105800		2.50	5.00	20.0	50.0
			184020	215379	292822			80.0	120	160		
Diethyl phthalate	ANT	Ave		23686	49344	206244	589918		2.50	5.00	20.0	50.0
			962195	1135003	1467178			80.0	120	160		
Hexadecane	ANT	Ave		20983	42737	182701	512934		2.50	5.00	20.0	50.0
			850274	969199	1242245			80.0	120	160		
Fluorene	ANT	Lin2	4607	25220	51233	213053	581205	0.500	2.50	5.00	20.0	50.0
			936552	1088421	1399586			80.0	120	160		
4-Chlorophenyl phenyl ether	ANT	Ave		10799	21552	90357	251843		2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			412806	478116	611180			80.0	120	160		
4-Nitroaniline	ANT	Lin2		4541	11219	51071	135111		2.50	5.00	20.0	50.0
			240373	296971	398853			80.0	120	160		
4,6-Dinitro-2-methylphenol	PHN	Lin1		+++++	5649	37694	138702		+++++	10.0	40.0	100
			258776	333479	434439			160	240	320		
Diphenylamine	PHN	Ave		17314	34937	149759	415411		2.14	4.28	17.1	42.8
			692196	809333	1042700			68.4	103	137		
N-Nitrosodiphenylamine	PHN	Ave		17314	34937	149759	415411		2.50	5.00	20.0	50.0
			692196	809333	1042700			80.0	120	160		
1,2-Diphenylhydrazine	PHN	Ave		25255	55160	223349	623367		2.50	5.00	20.0	50.0
			1018753	1179804	1506331			80.0	120	160		
trans-Azobenzene	PHN	Ave		25255	55160	223349	623367		2.50	5.00	20.0	50.0
			1018753	1179804	1506331			80.0	120	160		
4-Bromophenyl phenyl ether	PHN	Ave		5663	11671	45998	128752		2.50	5.00	20.0	50.0
			213837	250779	321565			80.0	120	160		
Hexachlorobenzene	PHN	Ave		5111	10877	43528	121957		2.50	5.00	20.0	50.0
			196792	231255	301344			80.0	120	160		
Atrazine	ANT	Ave		5749	11655	50494	144476		2.50	5.00	20.0	50.0
			232694	275341	350487			80.0	120	160		
Pentachlorophenol	PHN	Lin1		3252	6482	37307	123739		5.00	10.0	40.0	100
			216627	269393	358449			160	240	320		
n-Octadecane	PHN	Ave		20397	42327	184221	514911		2.50	5.00	20.0	50.0
			844541	971245	1231236			80.0	120	160		
Phenanthrene	PHN	Ave	7138	34895	71768	284701	796950	0.500	2.50	5.00	20.0	50.0
			1249624	1480750	1869402			80.0	120	160		
Anthracene	PHN	Lin2	6406	34820	72529	295981	815115	0.500	2.50	5.00	20.0	50.0
			1282750	1511355	1936488			80.0	120	160		
Carbazole	PHN	Ave		30674	66969	274287	721047		2.50	5.00	20.0	50.0
			1144162	1400131	1759732			80.0	120	160		
Di-n-butyl phthalate	PHN	Lin2		35329	79172	342895	970289		2.50	5.00	20.0	50.0
			1544271	1823515	2312463			80.0	120	160		
Fluoranthene	PHN	Ave	5994	32059	67406	275305	770580	0.500	2.50	5.00	20.0	50.0
			1215510	1478067	1875956			80.0	120	160		
Benzidine	CRY	Ave		15531	30487	158178	376084		2.50	5.00	20.0	50.0
			592467	638773	+++++			80.0	120	+++++		
Pyrene	CRY	Ave	6529	34208	71803	291732	788554	0.500	2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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
			1244479	1518005	1902747			80.0	120	160		
Butyl benzyl phthalate	CRY	Lin2	676070	14190 810189	32084 1047503	141892	413897	80.0	2.50 120	5.00 160	20.0	50.0
3,3'-Dichlorobenzidine	CRY	Lin2	391800	8564 464319	17908 574024	78605	231099	80.0	2.50 120	5.00 160	20.0	50.0
Benzo[a]anthracene	CRY	Ave	6261 1135476	30567 1385285	63644 1763761	257682	698355	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	984152	22034 1201807	47583 1515094	216913	620092	80.0	2.50 120	5.00 160	20.0	50.0
Chrysene	CRY	Ave	6199 1060233	30356 1275971	64298 1616077	249971	678479	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Di-n-octyl phthalate	CRY	Lin2	1666534	29516 2035297	75395 2550032	351829	1036043	80.0	2.50 120	5.00 160	20.0	50.0
Benzo[b]fluoranthene	PRY	Ave	5801 1120519	25910 1391422	57589 1737000	241275	673272	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo[k]fluoranthene	PRY	Ave	5230 1064447	29756 1328813	60804 1677310	248698	672993	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo[a]pyrene	PRY	Lin2	4025 1061795	25850 1317859	54188 1666492	229050	651378	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Indeno[1,2,3-cd]pyrene	PRY	Lin2	5089 1126755	25224 1418138	54200 1805422	229433	662313	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Dibenz(a,h)anthracene	PRY	Lin2	3443 989723	23070 1231849	46277 1565740	200722	584305	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo[g,h,i]perylene	PRY	Lin2	4543 1002760	22485 1289593	48565 1618905	205220	577750	0.500 80.0	2.50 120	5.00 160	20.0	50.0
2-Fluorophenol	DCBd 4	Ave	622316	15412 693568	30657 942365	122237	369464	80.0	2.50 120	5.00 160	20.0	50.0
Phenol-d5	DCBd 4	Lin2	726431	17212 809456	37398 1068064	148652	425440	80.0	2.50 120	5.00 160	20.0	50.0
Nitrobenzene-d5	NPT	Ave	598544	14354 682988	29539 888781	116286	346818	80.0	2.50 120	5.00 160	20.0	50.0
2-Fluorobiphenyl	ANT	Lin2	991744	28400 1115773	55746 1452602	210213	597653	80.0	2.50 120	5.00 160	20.0	50.0
2,4,6-Tribromophenol	PHN	Lin2		1125	2829	15725	47356		2.50	5.00	20.0	50.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			81771	100896	130151			80.0	120	160		
p-Terphenyl-d14	CRY	Ave		20963	46851	192027	524675		2.50	5.00	20.0	50.0
			846926	1006831	1277548			80.0	120	160		

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615912/3	X21481062.D
Level 2	IC 480-615912/4	X21481063.D
Level 3	IC 480-615912/5	X21481064.D
Level 4	IC 480-615912/6	X21481065.D
Level 5	ICIS 480-615912/7	X21481066.D
Level 6	IC 480-615912/8	X21481067.D
Level 7	IC 480-615912/9	X21481068.D
Level 8	IC 480-615912/10	X21481070.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	-1.4	0.8 -1.2	-2.2	1.3	2.6	0.0	30	30 30	30	30	30	30
N-Nitrosodimethylamine	-3.5	6.2 -4.9	6.2	0.6	-0.1	-4.4	30	30 30	30	30	30	30
Pyridine	1.2	-24.9 -0.1	16.1	12.4	0.4	-5.2	30	30 30	30	30	30	30
Benzaldehyde	+++++	11.5 +++++	7.2	9.1	-9.2	-18.6		30	30	30	30	30
Phenol	-2.2	0.0 -5.6	1.5	4.4	3.6	-1.8	30	30 30	30	30	30	30
Aniline	-1.2	-4.1 -3.7	1.4	4.6	3.0	0.0	30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	-2.3	1.1 -5.0	1.1	2.5	3.4	-0.8	30	30 30	30	30	30	30
2-Chlorophenol	1.6	-8.3 -0.6	-1.4	1.9	4.8	2.0	30	30 30	30	30	30	30
n-Decane	-3.1	1.4 -7.1	1.7	4.0	4.3	-1.3	30	30 30	30	30	30	30
1,3-Dichlorobenzene	-2.6	2.8 -6.0	3.5	2.5	1.5	-1.8	30	30 30	30	30	30	30
1,4-Dichlorobenzene	-2.1	1.6 -5.4	2.1	2.8	2.9	-1.8	30	30 30	30	30	30	30
Benzyl alcohol	-1.3	-0.7 -3.1	0.5	3.2	3.0	-1.7	30	30 30	30	30	30	30
1,2-Dichlorobenzene	-2.3	1.1 -5.1	1.3	4.5	1.9	-1.3	30	30 30	30	30	30	30
Indene	-5.4	-3.8 -8.5	5.9	6.6	4.4	0.7	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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2-Methylphenol	0.1	-6.5 -3.6	1.4	4.4	4.4	-0.2	30	30 30	30	30	30	30
bis (2-chloroisopropyl) ether	-3.1	0.8 -6.6	4.7	4.3	2.0	-2.2	30	30 30	30	30	30	30
Acetophenone	-0.4	-6.1 -4.0	0.9	5.9	4.3	-0.7	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	2.5	-6.7 -0.7	-3.1	3.0	4.6	0.4	30	30 30	30	30	30	30
4-Methylphenol	-0.5	-2.7 -3.8	0.3	4.4	3.1	-0.8	30	30 30	30	30	30	30
Hexachloroethane	-0.5	2.9 -5.5	3.1	-0.4	1.7	-1.3	30	30 30	30	30	30	30
Nitrobenzene	0.1	-1.1 -1.4	-1.2	1.2	1.9	0.5	30	30 30	30	30	30	30
Isophorone	-1.6	0.6 -2.4	-0.6	2.6	1.8	-0.4	30	30 30	30	30	30	30
2-Nitrophenol	5.2	7.2 5.2	-12.7	-9.5	0.3	4.4	30	30 30	30	30	30	30
2,4-Dimethylphenol	-0.2	-7.7 -0.3	2.9	1.4	2.6	1.3	30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	-2.7	2.4 -3.7	-1.8	5.8	1.4	-1.3	30	30 30	30	30	30	30
Benzoic acid	2.6	+++++ 4.8	23.4	-15.9	-10.3	-4.5	30	30	30	30	30	30
2,4-Dichlorophenol	-1.1	-1.3 -2.6	2.3	1.1	2.2	-0.6	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-4.6	3.9 -6.0	6.0	0.9	1.3	-1.6	30	30 30	30	30	30	30
Naphthalene	-1.7 -5.0	5.3 -7.8	6.1	4.0	1.3	-2.2	30 30	30 30	30	30	30	30
4-Chloroaniline	-1.6	-4.7 -3.2	-0.9	5.5	3.9	1.0	30	30 30	30	30	30	30
2,6-Dichlorophenol	-1.0	1.2 -2.9	-3.3	2.9	2.4	0.6	30	30 30	30	30	30	30
Hexachlorobutadiene	-1.8	-6.5 -1.9	2.3	3.9	3.0	1.0	30	30 30	30	30	30	30
Caprolactam	3.7	-0.5 1.1	2.0	-4.7	0.8	-2.4	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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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-Chloro-3-methylphenol	0.0	1.6 -1.2	-3.6	0.7	1.5	1.0	30	30 30	30	30	30	30
2-Methylnaphthalene	-8.7 -0.5	1.1 -3.7	1.0	6.7	3.7	0.3	30 30	30 30	30	30	30	30
1-Methylnaphthalene	-8.3 -1.3	3.0 -3.6	5.6	4.3	1.2	-1.0	30 30	30 30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-4.1	-0.5 -3.3	-0.1	3.4	3.2	1.2	30	30 30	30	30	30	30
Hexachlorocyclopentadiene	-1.6	-2.0 -0.8	-4.4	1.0	4.0	3.8	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	-0.3	1.1 -0.1	-2.4	1.0	-0.1	0.8	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	-1.8	2.8 1.1	-6.0	0.9	2.8	0.3	30	30 30	30	30	30	30
Biphenyl	-5.6	3.7 -6.8	3.9	3.7	1.4	-0.3	30	30 30	30	30	30	30
2-Chloronaphthalene	-5.3	1.8 -5.8	3.7	4.6	0.8	0.3	30	30 30	30	30	30	30
2-Nitroaniline	2.5	4.9 3.1	-9.3	-3.6	-0.2	2.6	30	30 30	30	30	30	30
Dimethyl phthalate	-3.1	-0.3 -3.7	1.1	4.9	1.5	-0.5	30	30 30	30	30	30	30
1,3-Dinitrobenzene	4.4	4.6 5.9	-7.3	-9.9	0.4	1.9	30	30 30	30	30	30	30
2,6-Dinitrotoluene	1.2	3.8 0.7	-7.6	-0.9	0.9	2.0	30	30 30	30	30	30	30
Acenaphthylene	-2.9 -3.4	-3.5 -4.4	3.1	6.7	3.7	0.6	30 30	30 30	30	30	30	30
3-Nitroaniline	0.2	3.7 1.1	-7.8	0.3	2.6	-0.1	30	30 30	30	30	30	30
Acenaphthene	10.3 -5.1	-0.1 -7.0	1.4	4.1	-0.2	-3.4	30 30	30 30	30	30	30	30
2,4-Dinitrophenol	2.1	+++++ 6.4	30.4 *	-21.9	-12.3	-4.7	30	30	30	30	30	30
4-Nitrophenol	5.1	3.8 6.0	-6.1	-7.1	-2.2	0.5	30	30 30	30	30	30	30
2,4-Dinitrotoluene	2.7	5.2 1.2	-10.4	-1.2	1.8	0.8	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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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
Dibenzofuran	-5.3 -4.9	6.3 -6.1	3.6	5.9	1.3	-0.8	30 30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	1.2	4.7 5.6	-8.0	-7.5	1.0	3.0	30	30 30	30	30	30	30
Diethyl phthalate	-0.7	-2.8 -1.3	-2.9	4.3	3.6	-0.1	30	30 30	30	30	30	30
Hexadecane	-2.6	-1.1 -4.0	-3.4	6.1	3.5	1.4	30	30 30	30	30	30	30
Fluorene	-1.3 -5.2	5.1 -6.2	1.5	7.5	1.7	-3.1	30 30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	-3.2	2.5 -4.8	-1.8	5.8	2.3	-0.8	30	30 30	30	30	30	30
4-Nitroaniline	1.3	0.1 4.5	-0.5	3.6	-6.6	-2.4	30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	4.4	+++++ 1.9	20.3	-15.4	-8.9	-2.3	30	30	30	30	30	30
Diphenylamine	0.4	-2.8 -2.3	-2.7	4.4	1.7	1.4	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	0.4	-2.8 -2.3	-2.7	4.4	1.7	1.4	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-1.5	-4.6 -5.0	3.3	4.8	2.7	0.4	30	30 30	30	30	30	30
trans-Azobenzene	-1.5	-4.6 -5.0	3.3	4.8	2.7	0.4	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	-1.2	0.9 -4.3	3.2	1.9	0.1	-0.5	30	30 30	30	30	30	30
Hexachlorobenzene	-2.0	-2.0 -3.5	3.5	3.7	2.0	-1.5	30	30 30	30	30	30	30
Atrazine	-0.4	-2.5 -2.5	-5.1	5.6	4.9	-0.1	30	30 30	30	30	30	30
Pentachlorophenol	2.3	25.5 2.4	-10.3	-12.7	-5.1	-2.1	30	30 30	30	30	30	30
n-Octadecane	-0.4	-5.3 -4.6	-2.5	6.2	4.2	2.3	30	30 30	30	30	30	30
Phenanthrene	-0.1 -3.4	3.0 -7.9	5.1	4.4	2.6	-3.7	30 30	30 30	30	30	30	30
Anthracene	-1.1 -3.9	2.5 -7.0	4.7	6.1	2.4	-3.6	30 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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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
Carbazole	-1.4	-2.2 -6.4	5.9	8.6	0.2	-4.8	30	30 30	30	30	30	30
Di-n-butyl phthalate	-1.7	-1.6 -5.9	1.8	5.2	3.6	-1.5	30	30 30	30	30	30	30
Fluoranthene	-11.6 1.5	-0.4 -2.7	3.9	6.3	4.4	-1.4	30 30	30 30	30	30	30	30
Benzidine	-13.3	-2.6 +++++	-6.9	21.8	1.7	-0.7	30	30	30	30	30	30
Pyrene	-8.1 -2.1	2.0 -3.2	4.2	6.7	1.3	-0.9	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	-1.6	0.9 0.3	-1.9	0.0	0.7	1.6	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	0.6	2.3 -1.9	-4.6	-1.6	0.2	5.0	30	30 30	30	30	30	30
Benzo[a]anthracene	-2.7 -1.5	0.5 -1.0	1.9	4.0	-1.0	-0.2	30 30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	-1.2	1.3 -1.8	-3.4	3.0	2.0	0.1	30	30 30	30	30	30	30
Chrysene	-0.1 -5.8	3.6 -5.8	6.9	4.7	-0.2	-3.3	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	-0.8	0.2 -2.0	-0.8	0.9	1.6	0.8	30	30 30	30	30	30	30
Benzo[b]fluoranthene	-0.3 1.6	-6.4 -4.2	-0.8	4.7	1.5	4.0	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	-10.1 -2.9	7.5 -7.5	4.8	8.0	1.5	-1.2	30 30	30 30	30	30	30	30
Benzo[a]pyrene	-0.3 -0.9	1.8 -5.4	-1.1	3.0	1.3	1.5	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	1.6 3.9	-5.9 -0.1	-5.0	0.2	0.3	4.9	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	0.4 2.2	1.2 -1.9	-6.2	-0.3	0.3	4.4	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	1.6 5.8	-6.0 0.3	-4.6	0.4	-2.0	4.6	30 30	30 30	30	30	30	30
2-Fluorophenol	1.4	-6.4 0.8	-4.1	1.1	5.6	1.6	30	30 30	30	30	30	30
Phenol-d5	-1.2	-1.9 -4.6	2.9	3.8	1.9	-0.8	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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615912

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2022 11:42 Calibration End Date: 02/24/2022 15:13 Calibration ID: 43156

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
Nitrobenzene-d5	2.6	-4.2 0.3	-3.0	-0.7	2.2	2.8	30	30 30	30	30	30	30
2-Fluorobiphenyl	-3.8	-0.7 -3.6	0.5	3.2	3.0	1.4	30	30 30	30	30	30	30
2,4,6-Tribromophenol	4.9	4.5 2.0	-8.6	-2.5	-1.3	1.0	30	30 30	30	30	30	30
p-Terphenyl-d14	-2.4	-6.0 -2.2	2.2	5.6	1.3	1.5	30	30 30	30	30	30	30

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481062.D
Lims ID: IC - List 1 - 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Feb-2022 11:42:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-003
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:10:37 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 12:50:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.659	5.647	0.012	97	182739	40.0	40.0	
* 2 Naphthalene-d8	136	7.200	7.194	0.006	99	668597	40.0	40.0	
* 3 Acenaphthene-d10	164	9.266	9.309	-0.043	93	328853	40.0	40.0	
* 4 Phenanthrene-d10	188	10.892	10.935	-0.043	97	519041	40.0	40.0	
* 5 Chrysene-d12	240	13.282	13.347	-0.065	97	392571	40.0	40.0	
* 6 Perylene-d12	264	14.446	14.539	-0.093	93	358425	40.0	40.0	
69 Naphthalene	128	7.225	7.220	0.005	95	9748	0.5000	0.4914	
82 2-Methylnaphthalene	142	8.048	8.068	-0.020	96	5101	0.5000	0.4567	
83 1-Methylnaphthalene	142	8.162	8.187	-0.025	89	4722	0.5000	0.4584	
100 Acenaphthylene	152	9.096	9.135	-0.039	97	7377	0.5000	0.4855	
102 Acenaphthene	153	9.303	9.348	-0.045	91	5426	0.5000	0.5515	
107 Dibenzofuran	168	9.504	9.550	-0.046	97	6160	0.5000	0.4735	
115 Fluorene	166	9.902	9.947	-0.045	92	4607	0.5000	0.4934	
141 Phenanthrene	178	10.915	10.958	-0.043	0	7138	0.5000	0.4997	a
142 Anthracene	178	10.963	11.009	-0.046	96	6406	0.5000	0.4946	
152 Fluoranthene	202	12.036	12.082	-0.046	96	5994	0.5000	0.4418	
155 Pyrene	202	12.238	12.283	-0.045	94	6529	0.5000	0.4597	
167 Benzo[a]anthracene	228	13.274	13.336	-0.062	47	6261	0.5000	0.4863	a
169 Chrysene	228	13.305	13.367	-0.062	96	6199	0.5000	0.4997	
174 Benzo[b]fluoranthene	252	14.142	14.224	-0.082	97	5801	0.5000	0.4985	
175 Benzo[k]fluoranthene	252	14.165	14.244	-0.079	95	5230	0.5000	0.4496	
177 Benzo[a]pyrene	252	14.400	14.491	-0.091	82	4025	0.5000	0.4984	
180 Indeno[1,2,3-cd]pyrene	276	15.346	15.476	-0.130	88	5089	0.5000	0.5081	
181 Dibenz(a,h)anthracene	278	15.360	15.482	-0.122	63	3443	0.5000	0.5018	
182 Benzo[g,h,i]perylene	276	15.607	15.743	-0.136	93	4543	0.5000	0.5081	M

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

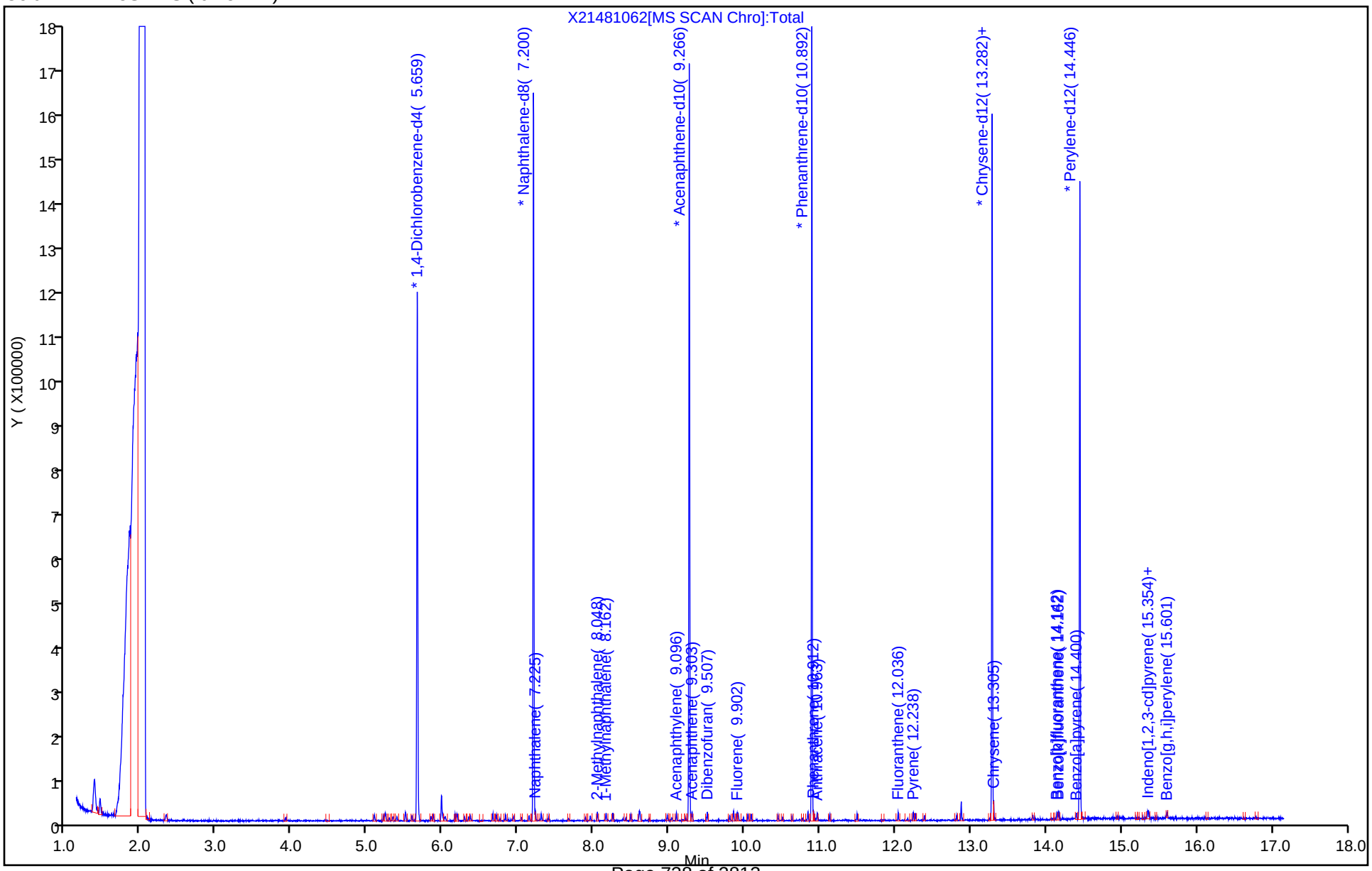
MB_LIST1_WRK_00883	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:10:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481062.D				
Injection Date:	24-Feb-2022 11:42:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 0.5			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

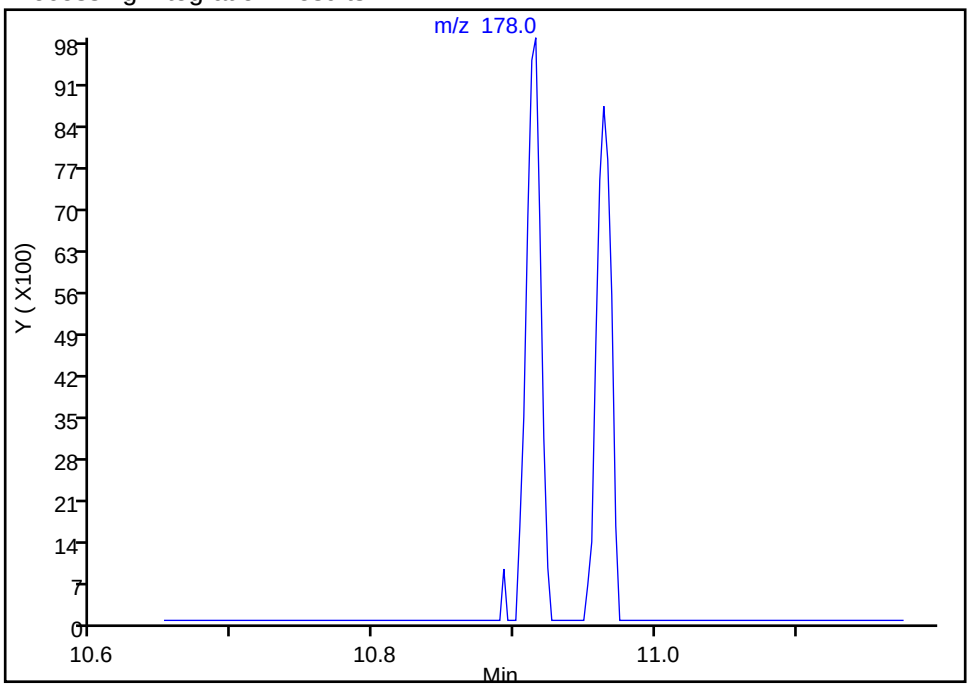
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481062.D				
Injection Date:	24-Feb-2022 11:42:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 0.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

141 Phenanthrene, CAS: 85-01-8

Signal: 1

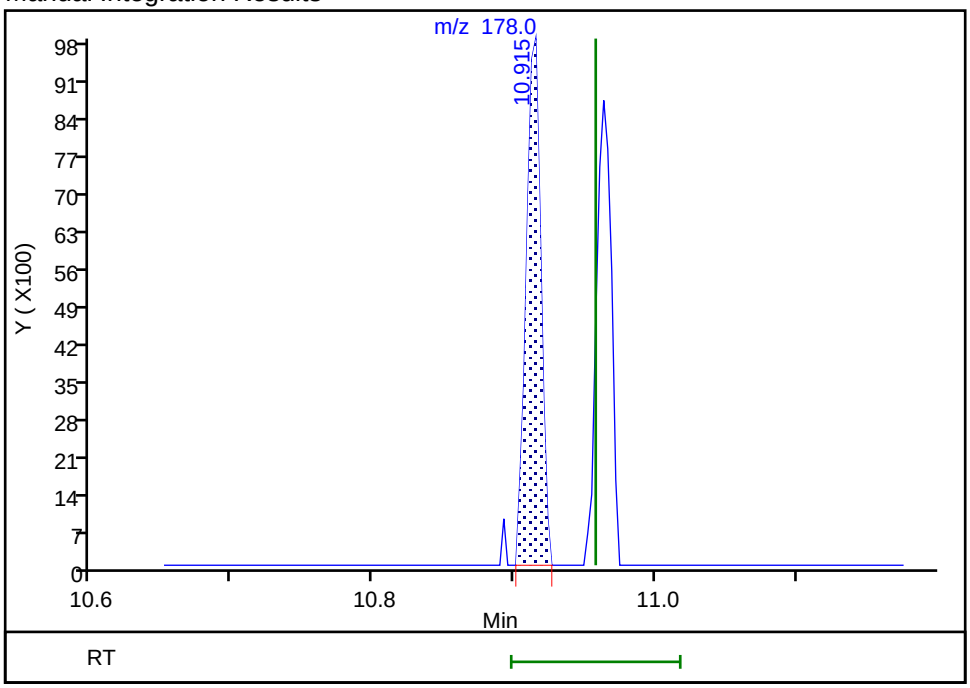
Not Detected
Expected RT: 10.96

Processing Integration Results



Manual Integration Results

RT: 10.92
Area: 7138
Amount: 0.499737
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:05:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

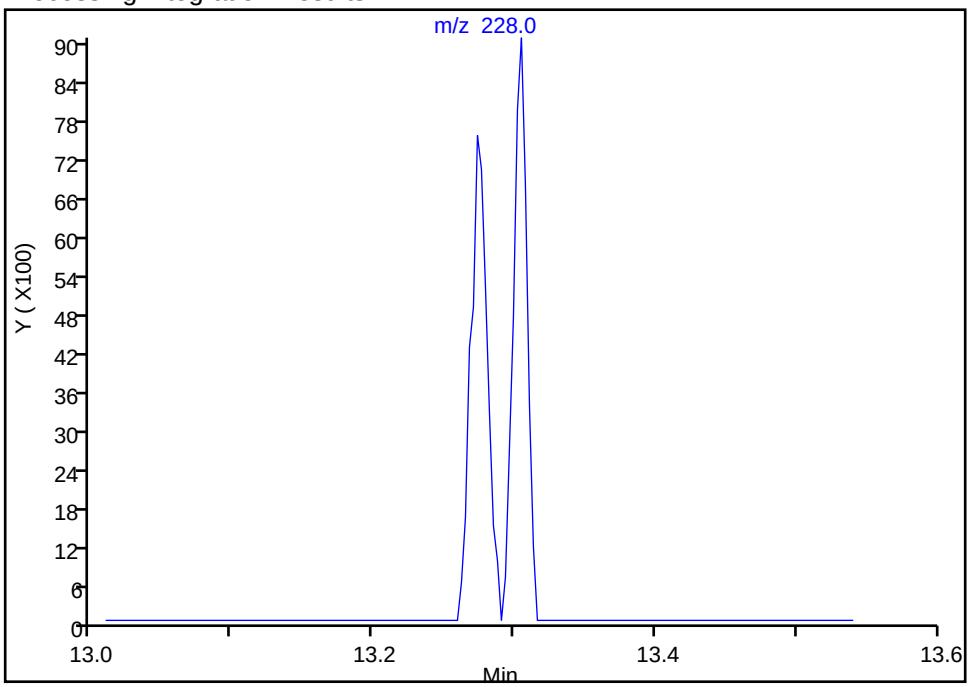
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481062.D				
Injection Date:	24-Feb-2022 11:42:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 0.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

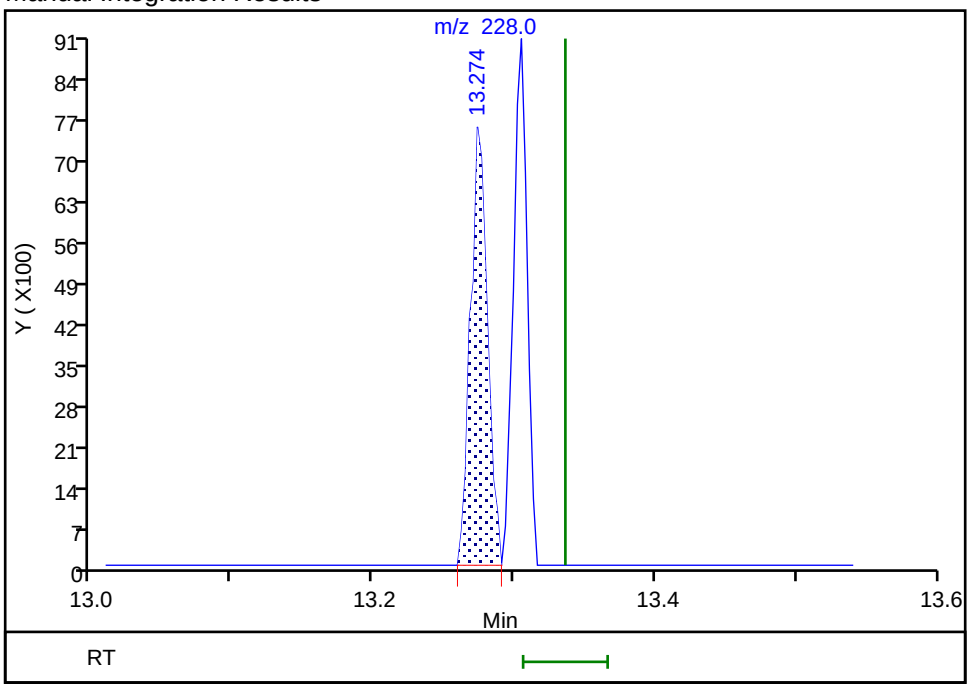
Not Detected
Expected RT: 13.34

Processing Integration Results



Manual Integration Results

RT: 13.27
Area: 6261
Amount: 0.486279
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:05:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

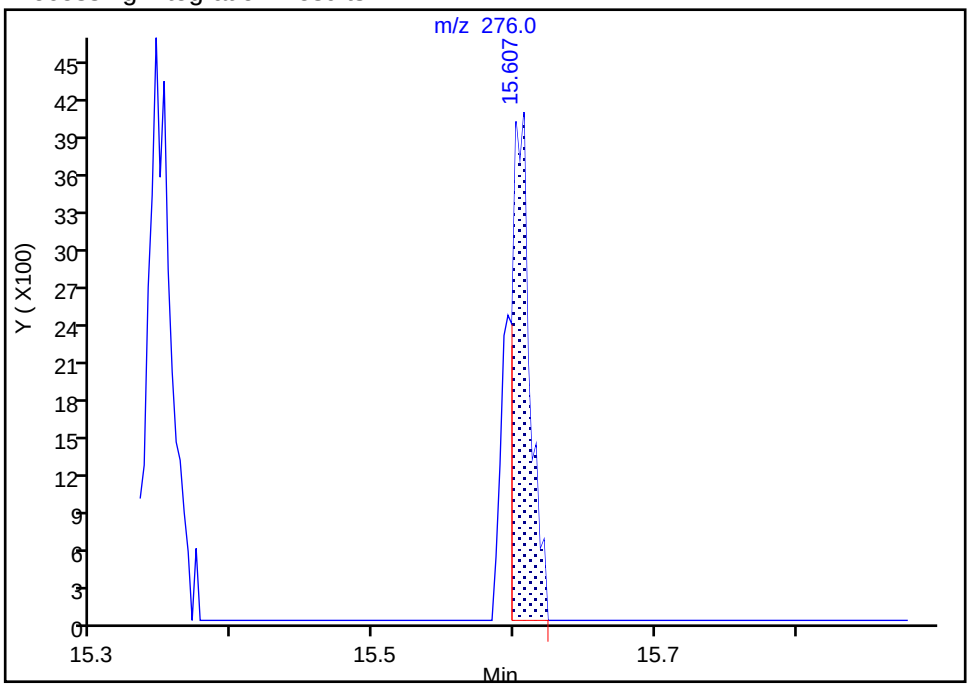
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481062.D				
Injection Date:	24-Feb-2022 11:42:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 0.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

182 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

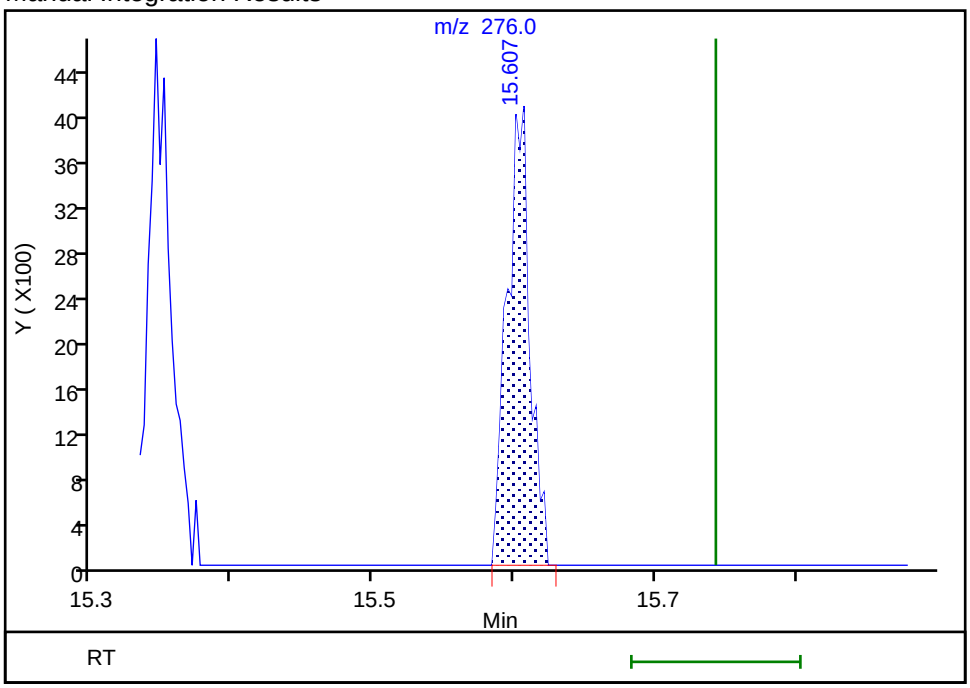
Processing Integration Results

RT: 15.61
Area: 3433
Amount: 0.348867
Amount Units: ng/uL



Manual Integration Results

RT: 15.61
Area: 4543
Amount: 0.508120
Amount Units: ng/uL



Reviewer: marshallj, 25-Feb-2022 09:05:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D
Lims ID: IC - List 1 - 2.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Feb-2022 12:06:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-004
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:10:40 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:06:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.661	5.647	0.014	96	186445	40.0	40.0	
* 2 Naphthalene-d8	136	7.211	7.194	0.017	99	644533	40.0	40.0	
* 3 Acenaphthene-d10	164	9.274	9.309	-0.035	94	307319	40.0	40.0	
* 4 Phenanthrene-d10	188	10.898	10.935	-0.037	99	492460	40.0	40.0	
* 5 Chrysene-d12	240	13.288	13.347	-0.059	97	370892	40.0	40.0	
* 6 Perylene-d12	264	14.449	14.539	-0.090	96	341157	40.0	40.0	
$ 7 2-Fluorophenol	112	3.930	3.916	0.014	94	15412	2.50	2.34	
$ 8 Phenol-d5	99	5.216	5.202	0.014	79	17212	2.50	2.45	
$ 9 Nitrobenzene-d5	82	6.345	6.331	0.014	90	14354	2.50	2.39	
$ 10 2-Fluorobiphenyl	172	8.500	8.522	-0.022	99	28400	2.50	2.48	
$ 11 2,4,6-Tribromophenol	330	10.174	10.214	-0.040	77	1125	2.50	2.61	Ma
$ 12 p-Terphenyl-d14	244	12.394	12.431	-0.037	94	20963	2.50	2.35	
15 1,4-Dioxane	88	1.685	1.679	0.006	87	9881	2.50	2.52	
16 N-Nitrosodimethylamine	74	1.977	1.960	0.017	93	12232	2.50	2.65	a
17 Pyridine	52	2.037	2.023	0.014	35	44096	5.00	3.76	a
27 Benzaldehyde	77	5.094	5.080	0.014	92	13984	2.50	2.79	
28 Phenol	94	5.233	5.219	0.014	89	22092	2.50	2.50	
29 Aniline	93	5.244	5.227	0.017	77	24397	2.50	2.40	a
31 Bis(2-chloroethyl)ether	93	5.341	5.327	0.014	92	16979	2.50	2.53	
32 2-Chlorophenol	128	5.392	5.378	0.014	97	15108	2.50	2.29	
35 n-Decane	57	5.505	5.494	0.011	93	24178	2.50	2.54	
36 1,3-Dichlorobenzene	146	5.590	5.579	0.011	97	18695	2.50	2.57	
37 1,4-Dichlorobenzene	146	5.681	5.670	0.011	93	18581	2.50	2.54	
38 Benzyl alcohol	108	5.843	5.829	0.014	94	8877	2.50	2.48	
39 1,2-Dichlorobenzene	146	5.871	5.860	0.011	92	17184	2.50	2.53	
229 Indene	115	5.985	5.971	0.014	88	87194	7.50	7.22	
40 2-Methylphenol	108	5.999	5.985	0.014	93	13498	2.50	2.34	
42 2,2'-oxybis[1-chloropropane]	45	6.025	6.016	0.009	93	28907	2.50	2.52	
45 Acetophenone	105	6.167	6.152	0.015	95	19685	2.50	2.35	
47 N-Nitrosodi-n-propylamine	70	6.184	6.172	0.012	80	10513	2.50	2.33	
46 4-Methylphenol	108	6.192	6.181	0.011	92	14586	2.50	2.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.289	6.277	0.012	94	7306	2.50	2.57	
52 Nitrobenzene	77	6.368	6.354	0.014	90	14829	2.50	2.47	
56 Isophorone	82	6.666	6.652	0.014	98	27645	2.50	2.51	
58 2-Nitrophenol	139	6.760	6.746	0.014	91	5717	2.50	2.68	
59 2,4-Dimethylphenol	107	6.836	6.822	0.014	93	12944	2.50	2.31	
64 Benzoic acid	105	6.907	6.896	0.011	81	6948	7.50	15.2	a
62 Bis(2-chloroethoxy)methane	93	6.947	6.930	0.017	95	17695	2.50	2.56	
65 2,4-Dichlorophenol	162	7.052	7.035	0.017	97	9188	2.50	2.47	
67 1,2,4-Trichlorobenzene	180	7.151	7.134	0.017	91	12130	2.50	2.60	
69 Naphthalene	128	7.237	7.220	0.017	97	44858	2.50	2.63	
71 4-Chloroaniline	127	7.310	7.296	0.014	92	16615	2.50	2.38	
70 2,6-Dichlorophenol	162	7.322	7.308	0.014	89	9507	2.50	2.53	
73 Hexachlorobutadiene	225	7.410	7.401	0.009	86	5593	2.50	2.34	
78 Caprolactam	113	7.674	7.665	0.009	73	3241	2.50	2.49	a
79 4-Chloro-3-methylphenol	107	7.904	7.909	-0.005	96	9612	2.50	2.54	
82 2-Methylnaphthalene	142	8.060	8.068	-0.008	93	27218	2.50	2.53	
83 1-Methylnaphthalene	142	8.173	8.187	-0.014	94	25580	2.50	2.58	
85 1,2,4,5-Tetrachlorobenzene	216	8.264	8.278	-0.014	95	10844	2.50	2.49	
84 Hexachlorocyclopentadiene	237	8.264	8.281	-0.017	77	6522	2.50	2.45	
86 2,4,6-Trichlorophenol	196	8.397	8.420	-0.023	89	4798	2.50	2.53	
87 2,4,5-Trichlorophenol	196	8.434	8.457	-0.023	93	5609	2.50	2.57	
90 1,1'-Biphenyl	154	8.613	8.636	-0.023	95	30786	2.50	2.59	
91 2-Chloronaphthalene	162	8.624	8.647	-0.023	97	23373	2.50	2.54	
93 2-Nitroaniline	65	8.747	8.775	-0.028	85	5316	2.50	2.62	
96 Dimethyl phthalate	163	8.982	9.013	-0.031	99	24362	2.50	2.49	
97 1,3-Dinitrobenzene	168	8.991	9.022	-0.031	77	1904	2.50	2.62	
99 2,6-Dinitrotoluene	165	9.036	9.067	-0.031	85	3995	2.50	2.59	
100 Acenaphthylene	152	9.104	9.135	-0.031	99	34270	2.50	2.41	
101 3-Nitroaniline	138	9.226	9.260	-0.034	93	4743	2.50	2.59	
102 Acenaphthene	153	9.308	9.348	-0.040	94	22964	2.50	2.50	
103 2,4-Dinitrophenol	184	9.348	9.385	-0.037	73	1499	5.00	11.2	M
104 4-Nitrophenol	109	9.439	9.473	-0.034	90	2693	5.00	5.19	
106 2,4-Dinitrotoluene	165	9.501	9.541	-0.040	90	4945	2.50	2.63	
107 Dibenzofuran	168	9.510	9.550	-0.040	96	32314	2.50	2.66	
110 2,3,4,6-Tetrachlorophenol	232	9.660	9.706	-0.046	75	2938	2.50	2.62	
112 Diethyl phthalate	149	9.808	9.848	-0.040	98	23686	2.50	2.43	
138 Hexadecane	57	9.856	9.896	-0.040	91	20983	2.50	2.47	
115 Fluorene	166	9.905	9.947	-0.042	95	25220	2.50	2.63	
116 4-Chlorophenyl phenyl ether	204	9.919	9.959	-0.040	92	10799	2.50	2.56	
118 4-Nitroaniline	138	9.924	9.964	-0.040	70	4541	2.50	2.50	
119 4,6-Dinitro-2-methylphenol	198	9.967	10.007	-0.040	74	2319	5.00	9.78	
121 Diphenylamine	169	10.049	10.089	-0.040	94	17314	2.14	2.08	
120 N-Nitrosodiphenylamine	169	10.049	10.089	-0.040	96	17314	2.50	2.43	
123 1,2-Diphenylhydrazine	77	10.095	10.132	-0.037	97	25255	2.50	2.38	
122 Azobenzene	77	10.095	10.132	-0.037	97	25255	2.50	2.38	
130 4-Bromophenyl phenyl ether	248	10.449	10.492	-0.043	73	5663	2.50	2.52	
131 Hexachlorobenzene	284	10.509	10.549	-0.040	85	5111	2.50	2.45	
133 Atrazine	200	10.631	10.671	-0.040	84	5749	2.50	2.44	
134 Pentachlorophenol	266	10.716	10.753	-0.037	84	3252	5.00	6.28	
113 n-Octadecane	57	10.844	10.878	-0.034	90	20397	2.50	2.37	
141 Phenanthrene	178	10.921	10.958	-0.037	98	34895	2.50	2.57	
142 Anthracene	178	10.969	11.009	-0.040	96	34820	2.50	2.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.136	11.170	-0.034	96	30674	2.50	2.44	
145 Di-n-butyl phthalate	149	11.500	11.534	-0.034	99	35329	2.50	2.46	
152 Fluoranthene	202	12.047	12.082	-0.035	98	32059	2.50	2.49	
154 Benzidine	184	12.172	12.206	-0.034	98	15531	2.50	2.44	
155 Pyrene	202	12.246	12.283	-0.037	96	34208	2.50	2.55	
162 Butyl benzyl phthalate	149	12.817	12.862	-0.045	97	14190	2.50	2.52	
166 3,3'-Dichlorobenzidine	252	13.259	13.313	-0.054	76	8564	2.50	2.56	
167 Benzo[a]anthracene	228	13.279	13.336	-0.057	60	30567	2.50	2.51	
172 Bis(2-ethylhexyl) phthalate	149	13.308	13.362	-0.054	81	22034	2.50	2.53	
169 Chrysene	228	13.308	13.367	-0.059	97	30356	2.50	2.59	
168 Di-n-octyl phthalate	149	13.827	13.892	-0.065	98	29516	2.50	2.51	
174 Benzo[b]fluoranthene	252	14.148	14.224	-0.076	97	25910	2.50	2.34	
175 Benzo[k]fluoranthene	252	14.168	14.244	-0.076	96	29756	2.50	2.69	
177 Benzo[a]pyrene	252	14.403	14.491	-0.088	81	25850	2.50	2.54	
180 Indeno[1,2,3-cd]pyrene	276	15.354	15.476	-0.122	86	25224	2.50	2.35	
181 Dibenz(a,h)anthracene	278	15.362	15.482	-0.120	93	23070	2.50	2.53	
182 Benzo[g,h,i]perylene	276	15.609	15.743	-0.134	91	22485	2.50	2.35	
S 237 Total Cresols	1				0			4.77	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

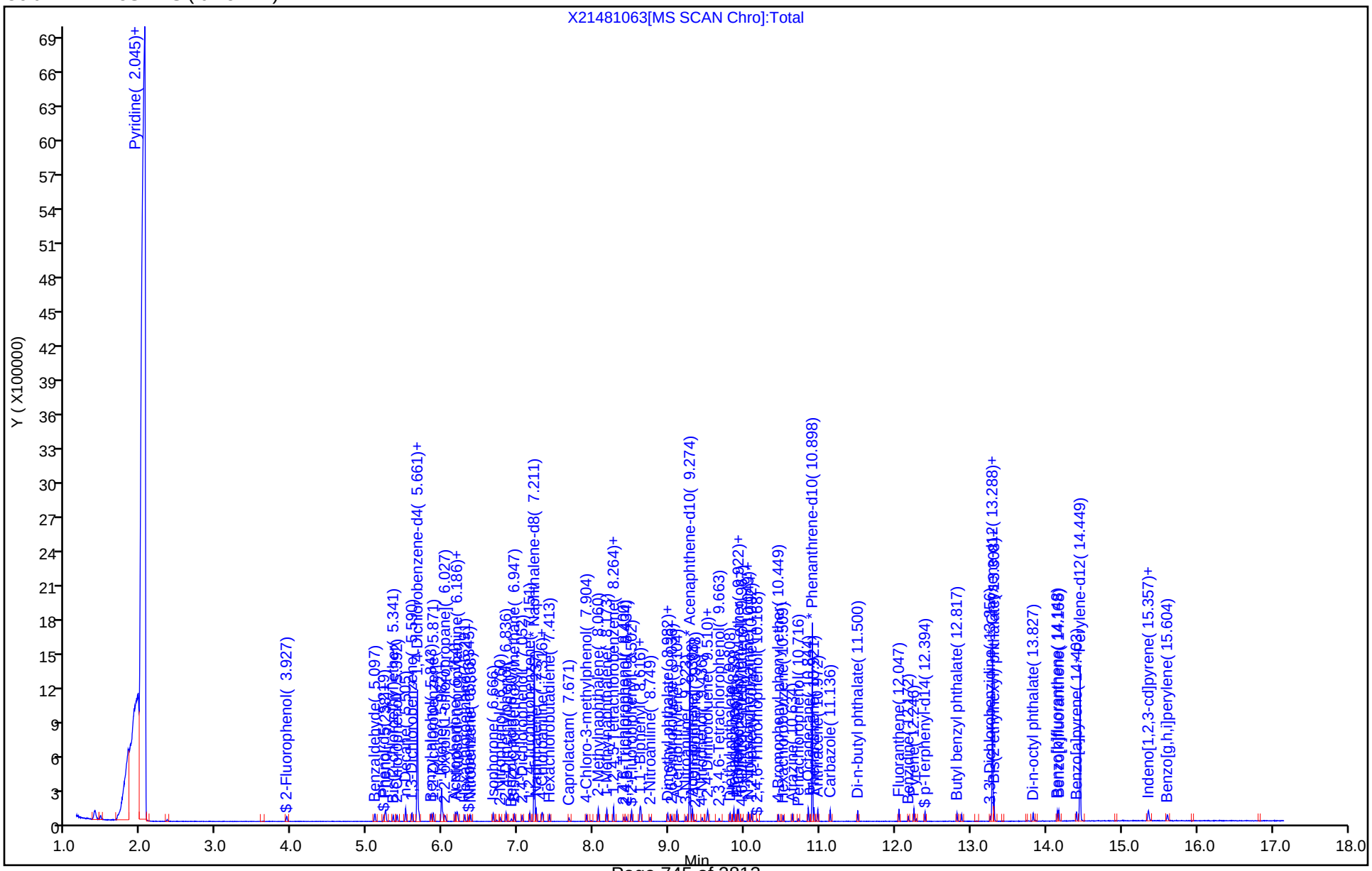
MB_LIST1_WRK_00884	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:10:40 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 2.5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

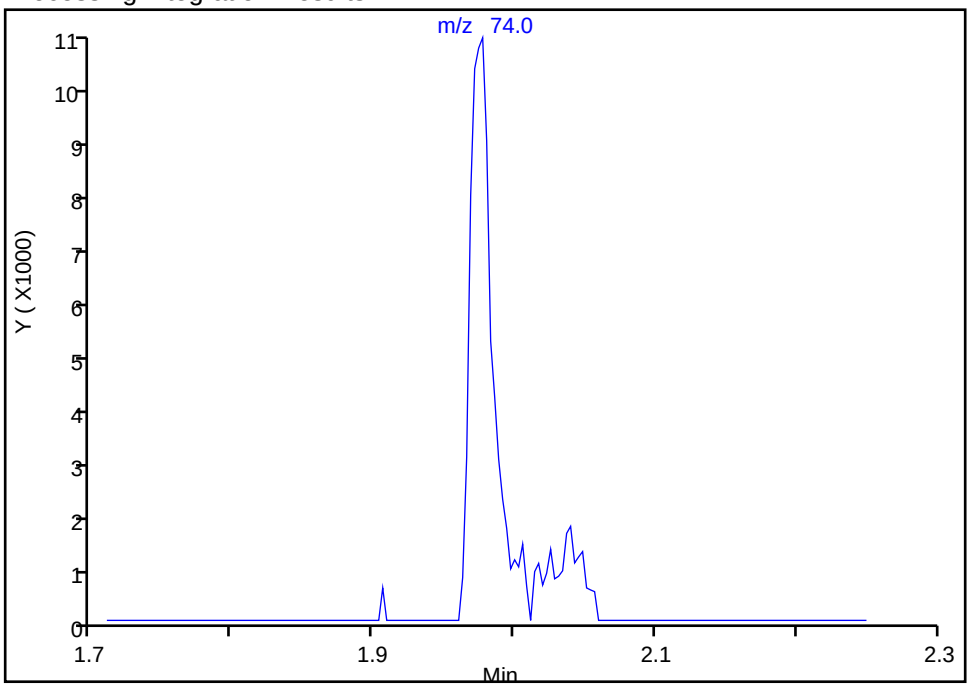
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

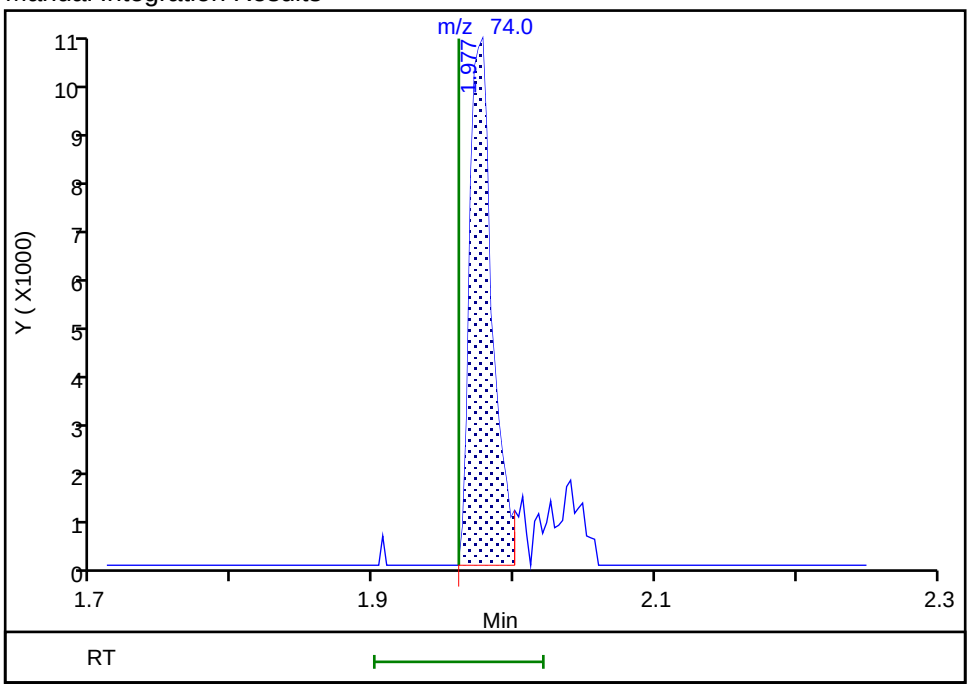
Not Detected
Expected RT: 1.96

Processing Integration Results



Manual Integration Results

RT: 1.98
Area: 12232
Amount: 2.654936
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:05:58
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

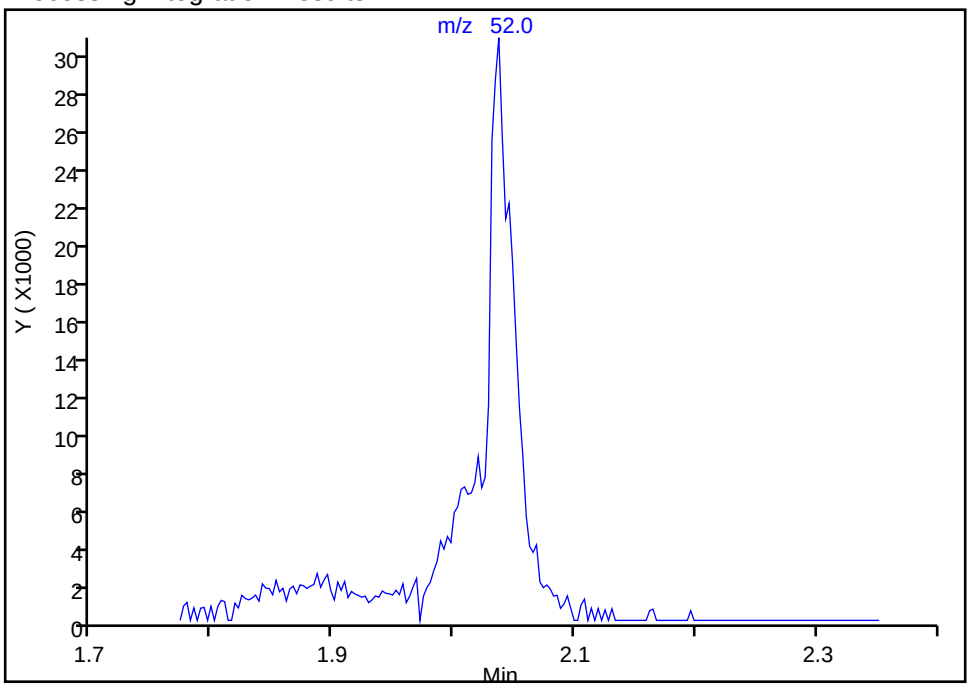
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Pyridine, CAS: 110-86-1

Signal: 1

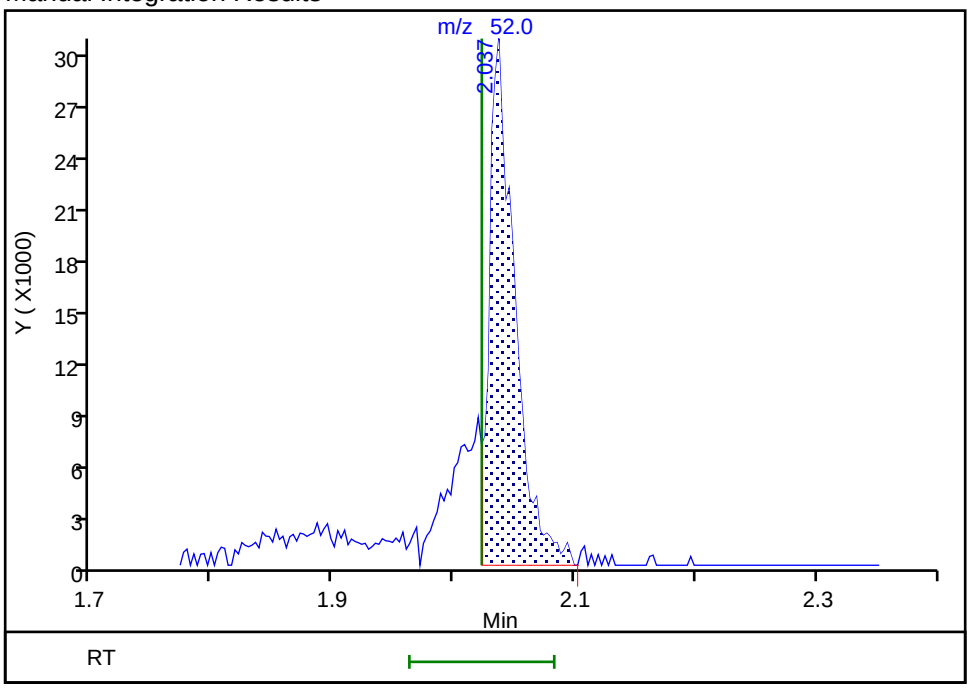
Not Detected
Expected RT: 2.02

Processing Integration Results



Manual Integration Results

RT: 2.04
Area: 44096
Amount: 3.757157
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:00
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

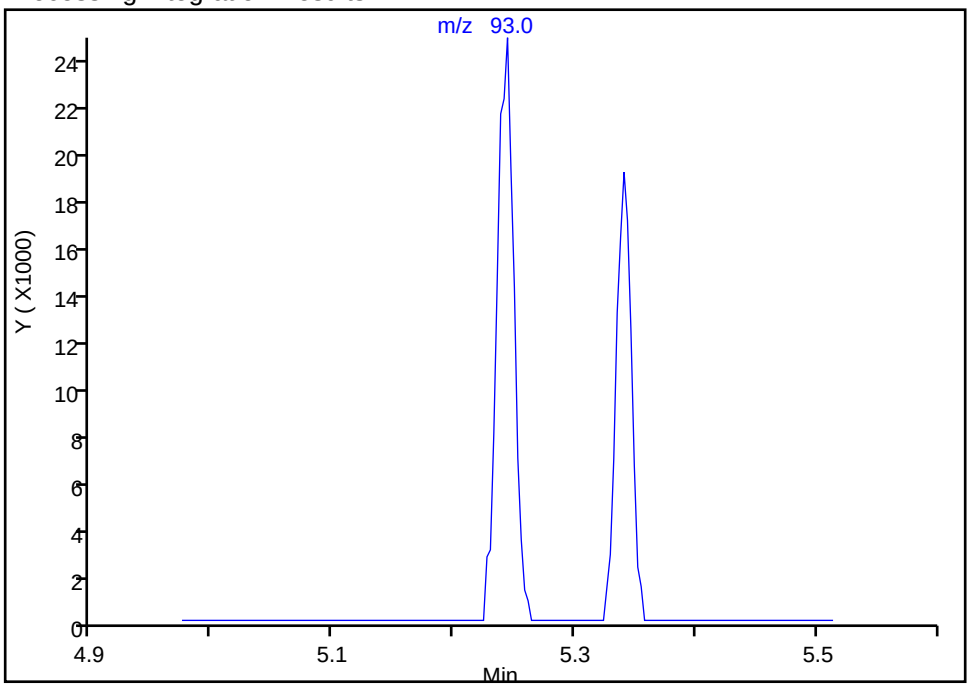
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

29 Aniline, CAS: 62-53-3

Signal: 1

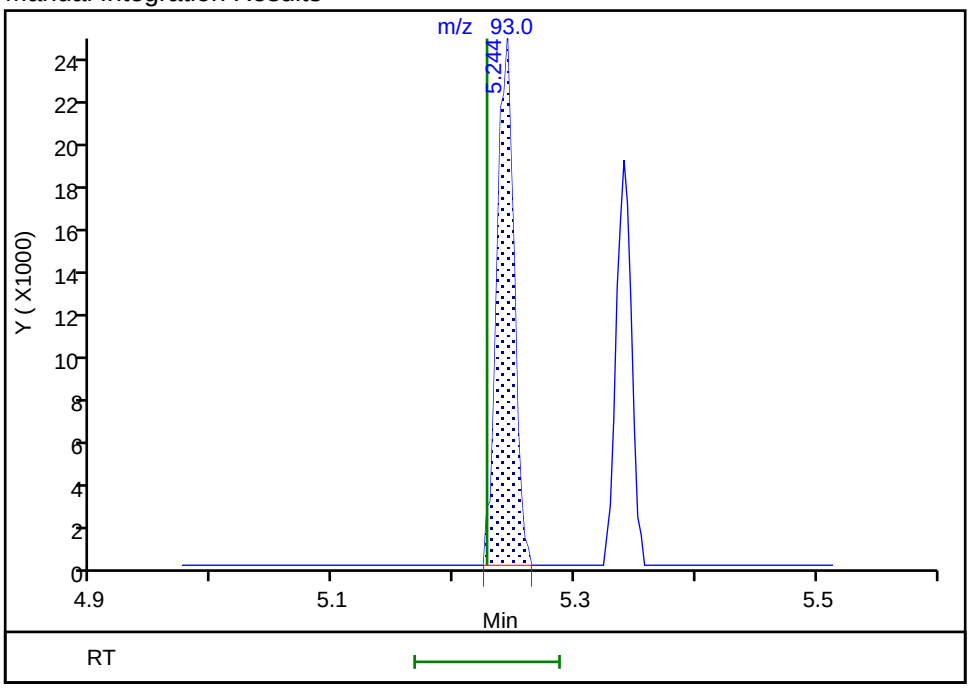
Processing Integration Results

Not Detected
Expected RT: 5.23



Manual Integration Results

RT: 5.24
Area: 24397
Amount: 2.397471
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:02
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

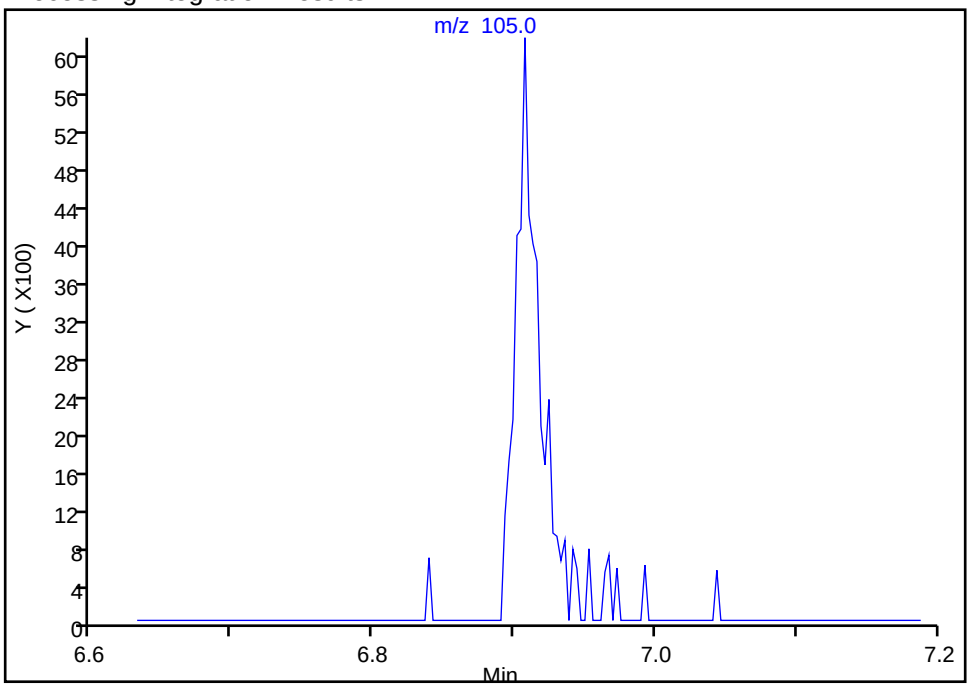
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

64 Benzoic acid, CAS: 65-85-0

Signal: 1

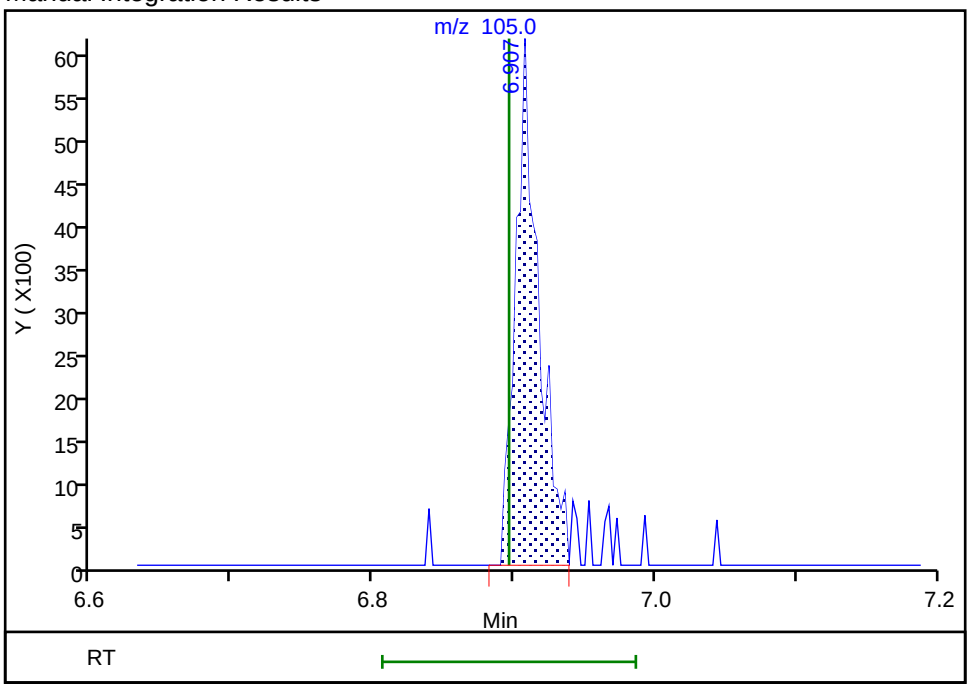
Not Detected
Expected RT: 6.90

Processing Integration Results



Manual Integration Results

RT: 6.91
Area: 6948
Amount: 15.160002
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:06
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

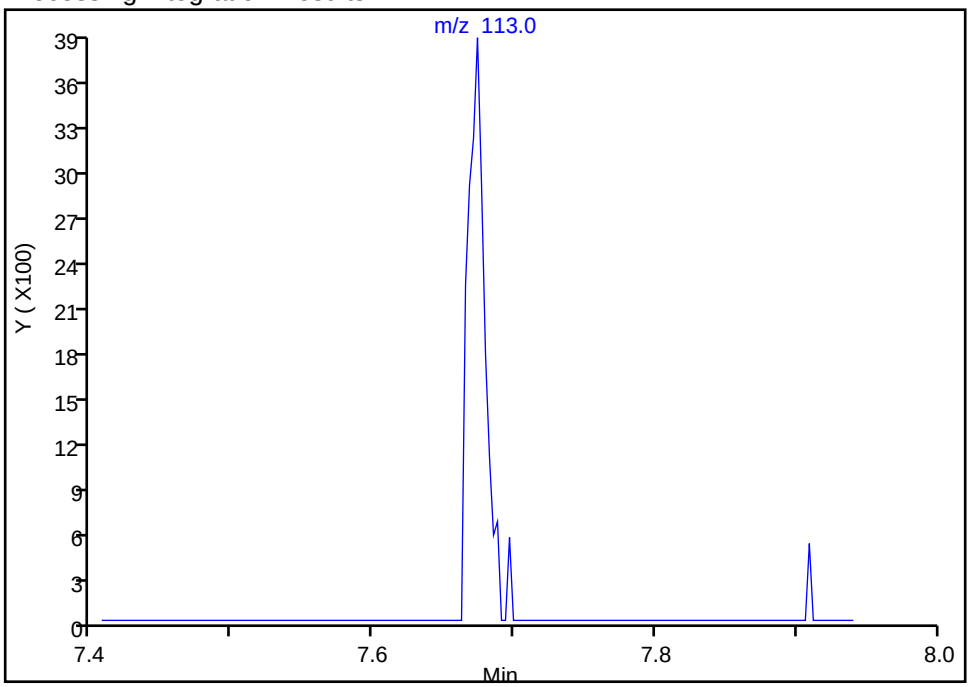
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

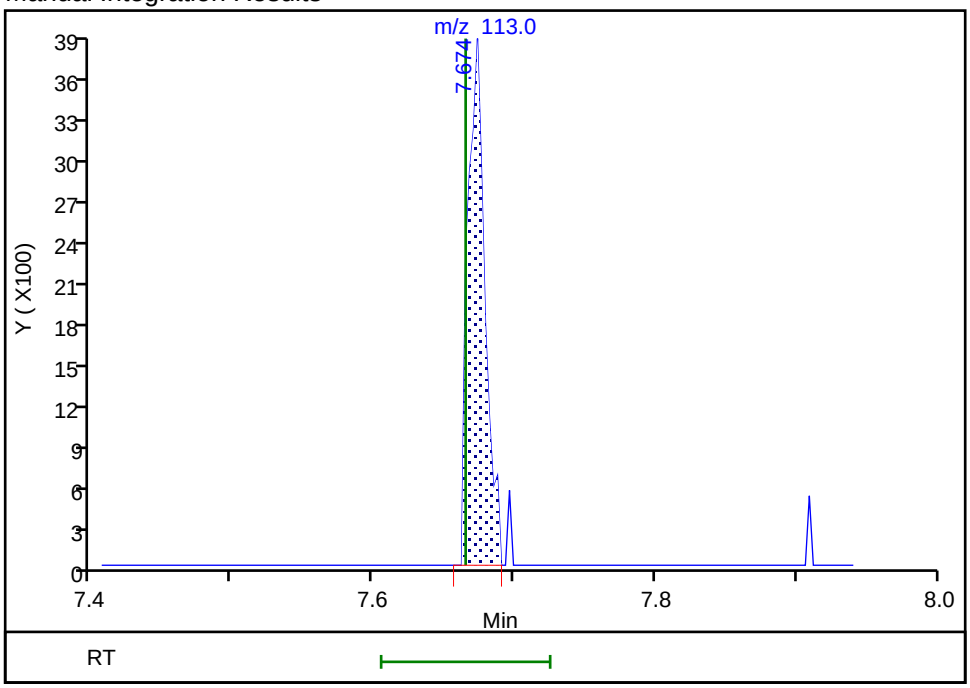
Not Detected
Expected RT: 7.67

Processing Integration Results



RT: 7.67
Area: 3241
Amount: 2.487990
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 24-Feb-2022 17:06:08
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

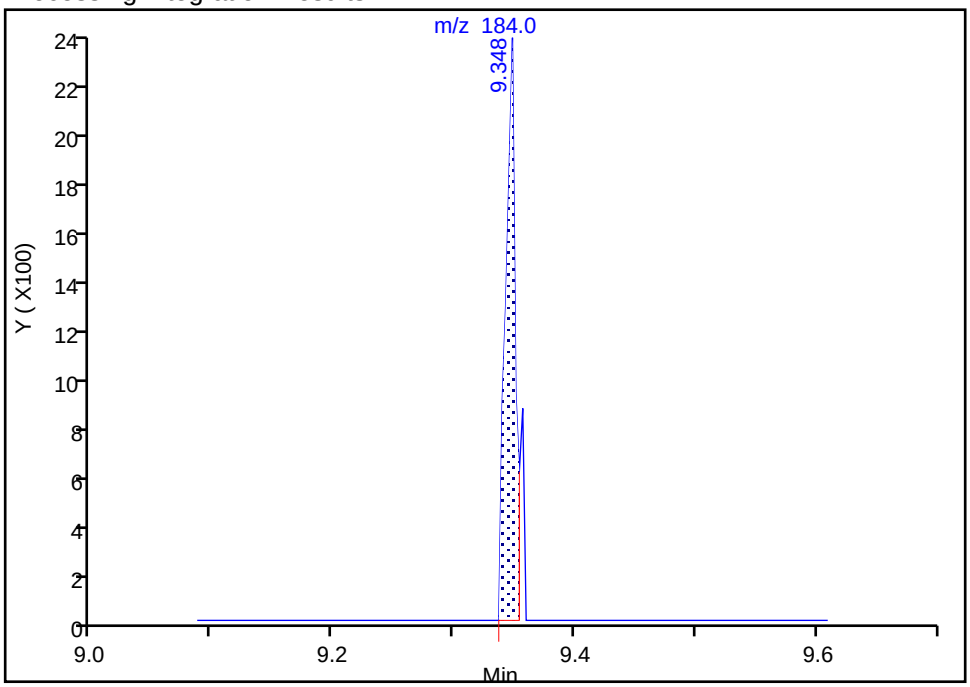
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

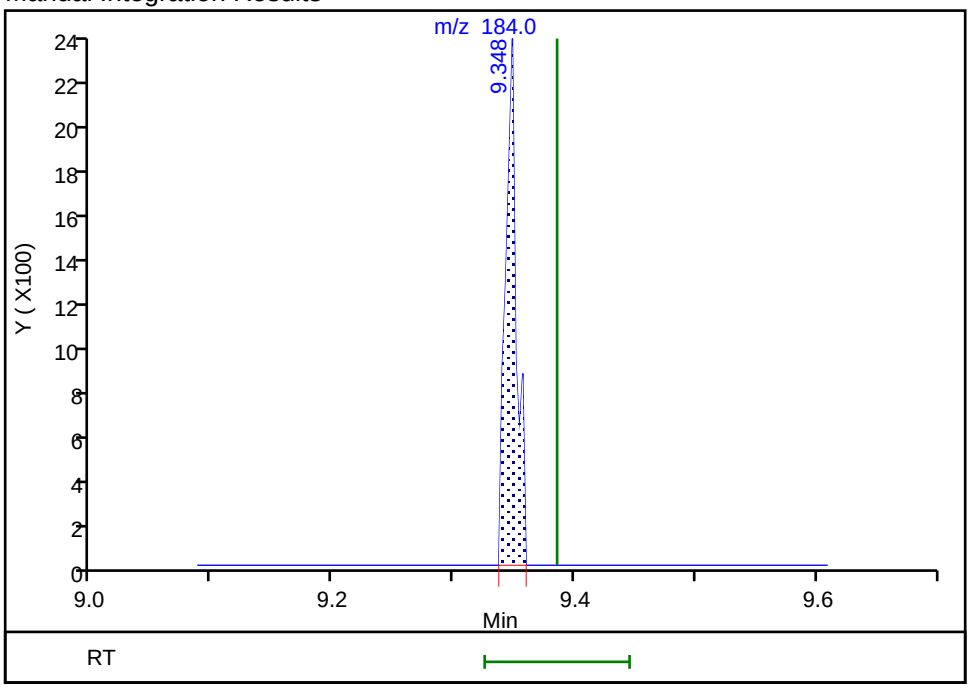
Processing Integration Results

RT: 9.35
Area: 1352
Amount: 11.053957
Amount Units: ng/uL



Manual Integration Results

RT: 9.35
Area: 1499
Amount: 11.186404
Amount Units: ng/uL



Reviewer: marshallj, 25-Feb-2022 09:19:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

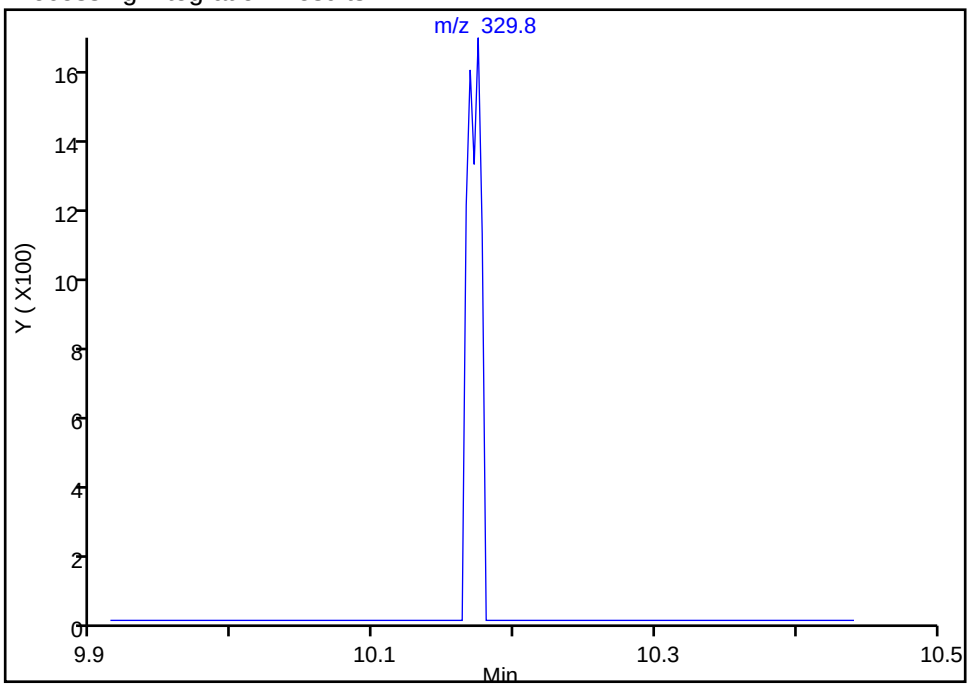
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481063.D				
Injection Date:	24-Feb-2022 12:06:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 2.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 11 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

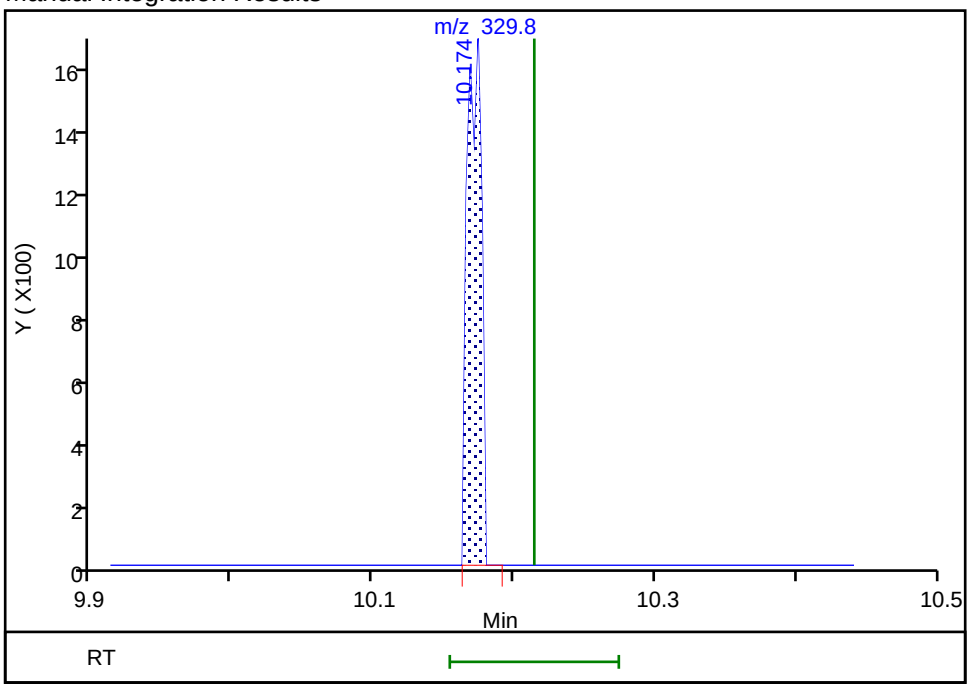
Not Detected
Expected RT: 10.21

Processing Integration Results



RT: 10.17
Area: 1125
Amount: 2.612778
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 24-Feb-2022 17:05:56
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D
Lims ID: IC - List 1 - 5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Feb-2022 12:31:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-005
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:10:46 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:06:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.670	5.647	0.023	97	181043	40.0	40.0	
* 2 Naphthalene-d8	136	7.219	7.194	0.025	99	655028	40.0	40.0	
* 3 Acenaphthene-d10	164	9.286	9.309	-0.023	94	320269	40.0	40.0	
* 4 Phenanthrene-d10	188	10.909	10.935	-0.026	97	496317	40.0	40.0	
* 5 Chrysene-d12	240	13.299	13.347	-0.048	98	380854	40.0	40.0	
* 6 Perylene-d12	264	14.463	14.539	-0.076	94	357573	40.0	40.0	
$ 7 2-Fluorophenol	112	3.936	3.916	0.020	95	30657	5.00	4.79	
$ 8 Phenol-d5	99	5.224	5.202	0.022	97	37398	5.00	5.15	
$ 9 Nitrobenzene-d5	82	6.351	6.331	0.020	90	29539	5.00	4.85	
$ 10 2-Fluorobiphenyl	172	8.511	8.522	-0.011	100	55746	5.00	5.03	
$ 11 2,4,6-Tribromophenol	330	10.180	10.214	-0.034	79	2829	5.00	4.57	
$ 12 p-Terphenyl-d14	244	12.402	12.431	-0.029	95	46851	5.00	5.11	
15 1,4-Dioxane	88	1.693	1.679	0.014	95	16328	5.00	4.89	
16 N-Nitrosodimethylamine	74	1.977	1.960	0.017	32	23748	5.00	5.31	a
17 Pyridine	52	2.037	2.023	0.014	81	82039	10.0	11.6	a
27 Benzaldehyde	77	5.108	5.080	0.028	92	26118	5.00	5.36	
28 Phenol	94	5.241	5.219	0.022	97	43572	5.00	5.08	
29 Aniline	93	5.250	5.227	0.023	97	50111	5.00	5.07	a
31 Bis(2-chloroethyl)ether	93	5.349	5.327	0.022	94	32974	5.00	5.06	
32 2-Chlorophenol	128	5.400	5.378	0.022	97	31549	5.00	4.93	
35 n-Decane	57	5.514	5.494	0.020	94	47092	5.00	5.08	
36 1,3-Dichlorobenzene	146	5.599	5.579	0.020	98	36566	5.00	5.18	
37 1,4-Dichlorobenzene	146	5.690	5.670	0.020	92	36256	5.00	5.10	
38 Benzyl alcohol	108	5.849	5.829	0.020	92	19330	5.00	5.03	
39 1,2-Dichlorobenzene	146	5.880	5.860	0.020	95	33438	5.00	5.06	
229 Indene	115	5.988	5.971	0.017	90	175441	15.0	15.9	
40 2-Methylphenol	108	6.005	5.985	0.020	95	28440	5.00	5.07	
42 2,2'-oxybis[1-chloropropane]	45	6.036	6.016	0.020	93	58313	5.00	5.24	
45 Acetophenone	105	6.172	6.152	0.020	96	41094	5.00	5.05	
47 N-Nitrosodi-n-propylamine	70	6.192	6.172	0.020	93	21206	5.00	4.84	
46 4-Methylphenol	108	6.198	6.181	0.017	95	29199	5.00	5.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.297	6.277	0.020	95	14221	5.00	5.16	
52 Nitrobenzene	77	6.376	6.354	0.022	90	30103	5.00	4.94	
56 Isophorone	82	6.672	6.652	0.020	98	55542	5.00	4.97	
58 2-Nitrophenol	139	6.768	6.746	0.022	93	10798	5.00	4.36	
59 2,4-Dimethylphenol	107	6.845	6.822	0.023	93	29343	5.00	5.15	
64 Benzoic acid	105	6.933	6.896	0.037	88	20239	15.0	18.5	a
62 Bis(2-chloroethoxy)methane	93	6.955	6.930	0.025	97	34485	5.00	4.91	
65 2,4-Dichlorophenol	162	7.055	7.035	0.020	94	21433	5.00	5.12	
67 1,2,4-Trichlorobenzene	180	7.160	7.134	0.026	94	25149	5.00	5.30	
69 Naphthalene	128	7.242	7.220	0.022	97	90511	5.00	5.30	
71 4-Chloroaniline	127	7.319	7.296	0.023	97	35092	5.00	4.95	
70 2,6-Dichlorophenol	162	7.327	7.308	0.019	97	19840	5.00	4.84	
73 Hexachlorobutadiene	225	7.418	7.401	0.017	96	12443	5.00	5.12	
78 Caprolactam	113	7.682	7.665	0.017	77	7988	5.00	5.10	
79 4-Chloro-3-methylphenol	107	7.912	7.909	0.003	97	20384	5.00	4.82	
82 2-Methylnaphthalene	142	8.068	8.068	0.000	94	55238	5.00	5.05	
83 1-Methylnaphthalene	142	8.184	8.187	-0.003	96	53311	5.00	5.28	
85 1,2,4,5-Tetrachlorobenzene	216	8.272	8.278	-0.006	97	21205	5.00	5.00	
84 Hexachlorocyclopentadiene	237	8.275	8.281	-0.006	85	13264	5.00	4.78	
86 2,4,6-Trichlorophenol	196	8.409	8.420	-0.011	93	11622	5.00	4.88	
87 2,4,5-Trichlorophenol	196	8.448	8.457	-0.009	93	12114	5.00	4.70	
90 1,1'-Biphenyl	154	8.622	8.636	-0.014	96	64336	5.00	5.20	
91 2-Chloronaphthalene	162	8.633	8.647	-0.014	95	49662	5.00	5.19	
93 2-Nitroaniline	65	8.761	8.775	-0.014	83	11522	5.00	4.54	
96 Dimethyl phthalate	163	8.993	9.013	-0.020	98	51487	5.00	5.06	
97 1,3-Dinitrobenzene	168	9.005	9.022	-0.017	80	5394	5.00	4.63	
99 2,6-Dinitrotoluene	165	9.050	9.067	-0.017	90	9220	5.00	4.62	
100 Acenaphthylene	152	9.115	9.135	-0.020	98	76319	5.00	5.16	
101 3-Nitroaniline	138	9.237	9.260	-0.023	93	10722	5.00	4.61	
102 Acenaphthene	153	9.323	9.348	-0.025	96	48588	5.00	5.07	
103 2,4-Dinitrophenol	184	9.359	9.385	-0.026	76	3705	10.0	13.0	
104 4-Nitrophenol	109	9.450	9.473	-0.023	90	8441	10.0	9.39	
106 2,4-Dinitrotoluene	165	9.516	9.541	-0.025	91	10902	5.00	4.48	
107 Dibenzofuran	168	9.524	9.550	-0.026	96	65645	5.00	5.18	
110 2,3,4,6-Tetrachlorophenol	232	9.680	9.706	-0.026	78	6850	5.00	4.60	
112 Diethyl phthalate	149	9.822	9.848	-0.026	98	49344	5.00	4.86	
138 Hexadecane	57	9.870	9.896	-0.026	89	42737	5.00	4.83	
115 Fluorene	166	9.919	9.947	-0.028	92	51233	5.00	5.07	
116 4-Chlorophenyl phenyl ether	204	9.933	9.959	-0.026	95	21552	5.00	4.91	
118 4-Nitroaniline	138	9.938	9.964	-0.026	85	11219	5.00	4.98	
119 4,6-Dinitro-2-methylphenol	198	9.981	10.007	-0.026	66	5649	10.0	12.0	
121 Diphenylamine	169	10.063	10.089	-0.026	94	34937	4.28	4.16	
120 N-Nitrosodiphenylamine	169	10.063	10.089	-0.026	98	34937	5.00	4.86	
123 1,2-Diphenylhydrazine	77	10.106	10.132	-0.026	97	55160	5.00	5.17	
122 Azobenzene	77	10.106	10.132	-0.026	100	55160	5.00	5.17	
130 4-Bromophenyl phenyl ether	248	10.461	10.492	-0.031	75	11671	5.00	5.16	
131 Hexachlorobenzene	284	10.520	10.549	-0.029	86	10877	5.00	5.17	
133 Atrazine	200	10.645	10.671	-0.026	86	11655	5.00	4.74	
134 Pentachlorophenol	266	10.727	10.753	-0.026	77	6482	10.0	8.97	
113 n-Octadecane	57	10.855	10.878	-0.023	91	42327	5.00	4.87	
141 Phenanthrene	178	10.929	10.958	-0.029	98	71768	5.00	5.25	
142 Anthracene	178	10.980	11.009	-0.029	97	72529	5.00	5.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.145	11.170	-0.025	96	66969	5.00	5.30	
145 Di-n-butyl phthalate	149	11.505	11.534	-0.029	99	79172	5.00	5.09	
152 Fluoranthene	202	12.053	12.082	-0.029	99	67406	5.00	5.20	
154 Benzidine	184	12.178	12.206	-0.028	99	30487	5.00	4.66	
155 Pyrene	202	12.254	12.283	-0.029	97	71803	5.00	5.21	
162 Butyl benzyl phthalate	149	12.825	12.862	-0.037	96	32084	5.00	4.90	
166 3,3'-Dichlorobenzidine	252	13.268	13.313	-0.045	76	17908	5.00	4.77	
167 Benzo[a]anthracene	228	13.288	13.336	-0.048	98	63644	5.00	5.10	
172 Bis(2-ethylhexyl) phthalate	149	13.313	13.362	-0.049	96	47583	5.00	4.83	
169 Chrysene	228	13.319	13.367	-0.048	97	64298	5.00	5.34	
168 Di-n-octyl phthalate	149	13.835	13.892	-0.057	99	75395	5.00	4.96	
174 Benzo[b]fluoranthene	252	14.159	14.224	-0.065	97	57589	5.00	4.96	
175 Benzo[k]fluoranthene	252	14.179	14.244	-0.065	96	60804	5.00	5.24	
177 Benzo[a]pyrene	252	14.417	14.491	-0.074	83	54188	5.00	4.95	
180 Indeno[1,2,3-cd]pyrene	276	15.374	15.476	-0.102	87	54200	5.00	4.75	
181 Dibenz(a,h)anthracene	278	15.379	15.482	-0.103	71	46277	5.00	4.69	
182 Benzo[g,h,i]perylene	276	15.629	15.743	-0.114	90	48565	5.00	4.77	
S 237 Total Cresols	1				0			10.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

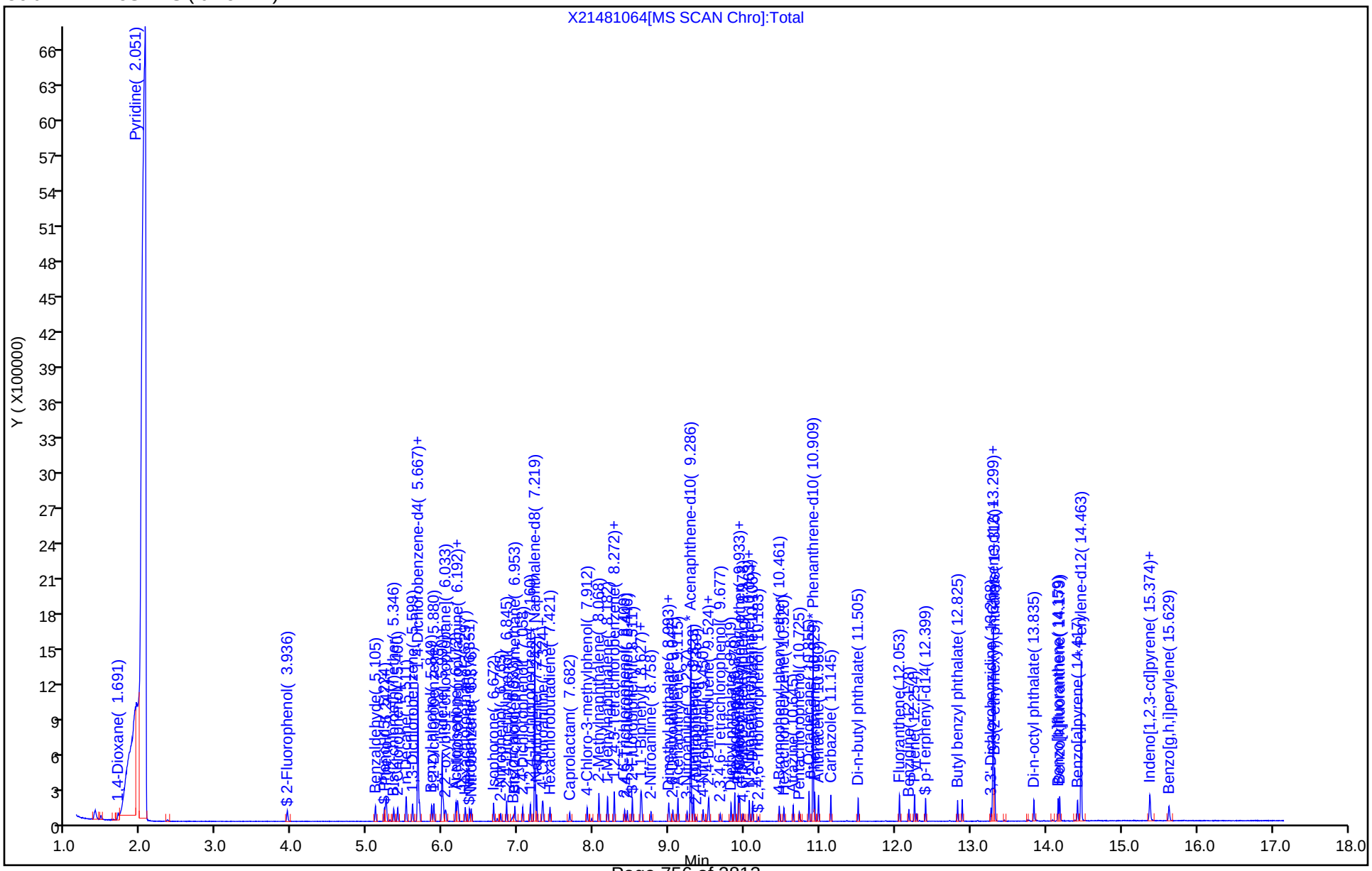
MB_LIST1_WRK_00885	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:10:47 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D				
Injection Date:	24-Feb-2022 12:31:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

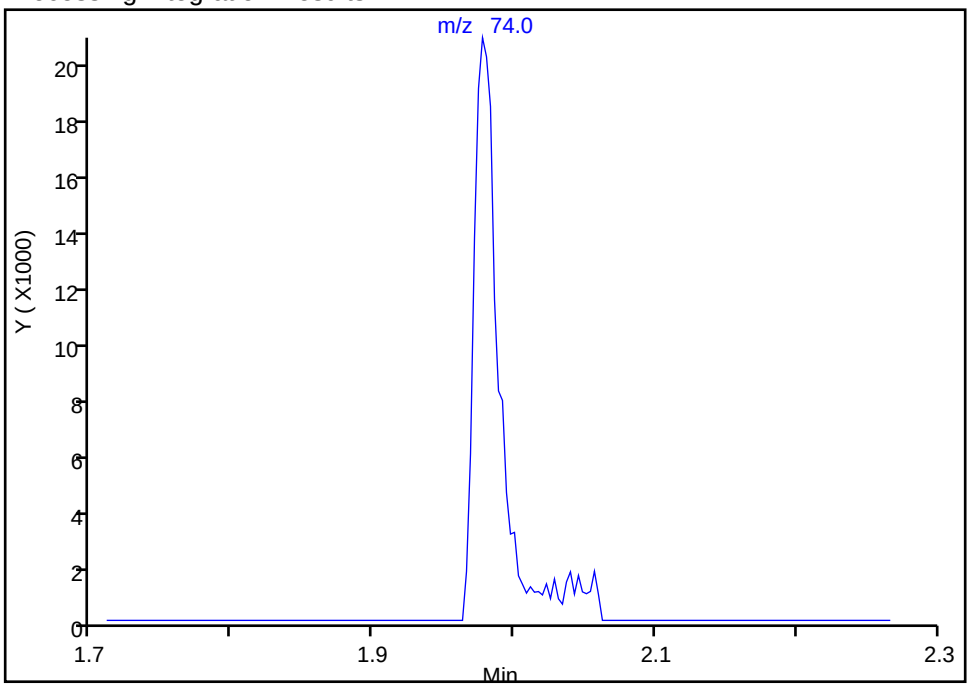
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D				
Injection Date:	24-Feb-2022 12:31:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

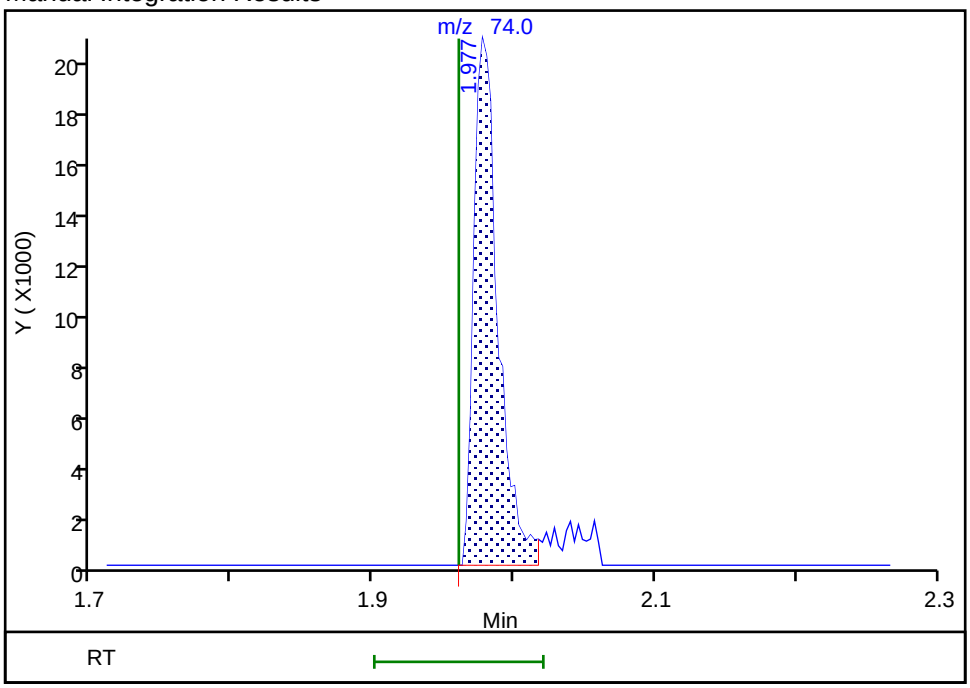
Not Detected
Expected RT: 1.96

Processing Integration Results



Manual Integration Results

RT: 1.98
Area: 23748
Amount: 5.308265
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

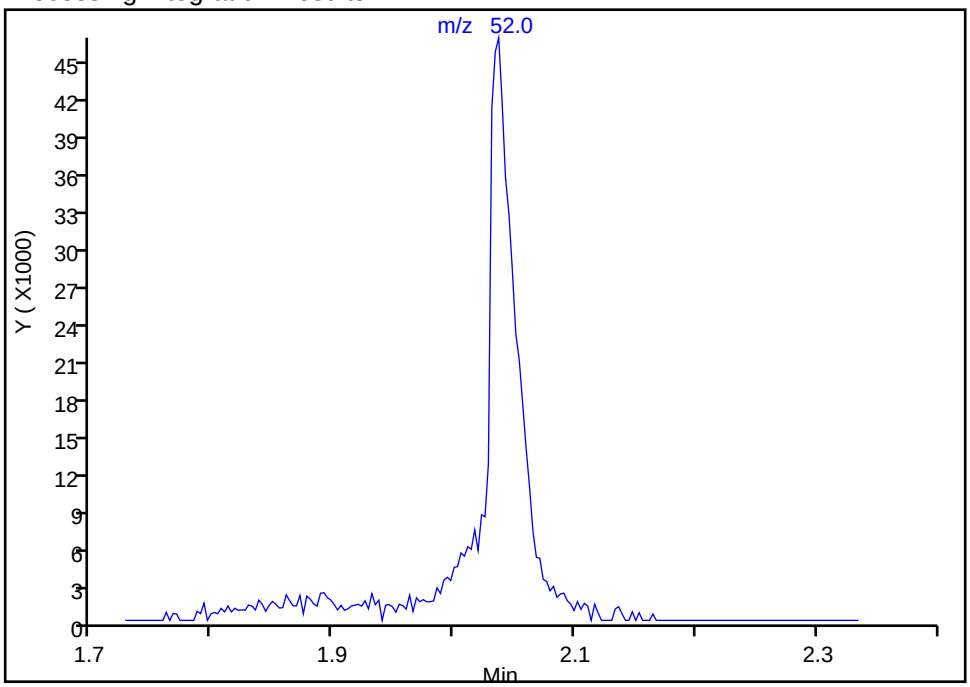
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D				
Injection Date:	24-Feb-2022 12:31:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Pyridine, CAS: 110-86-1

Signal: 1

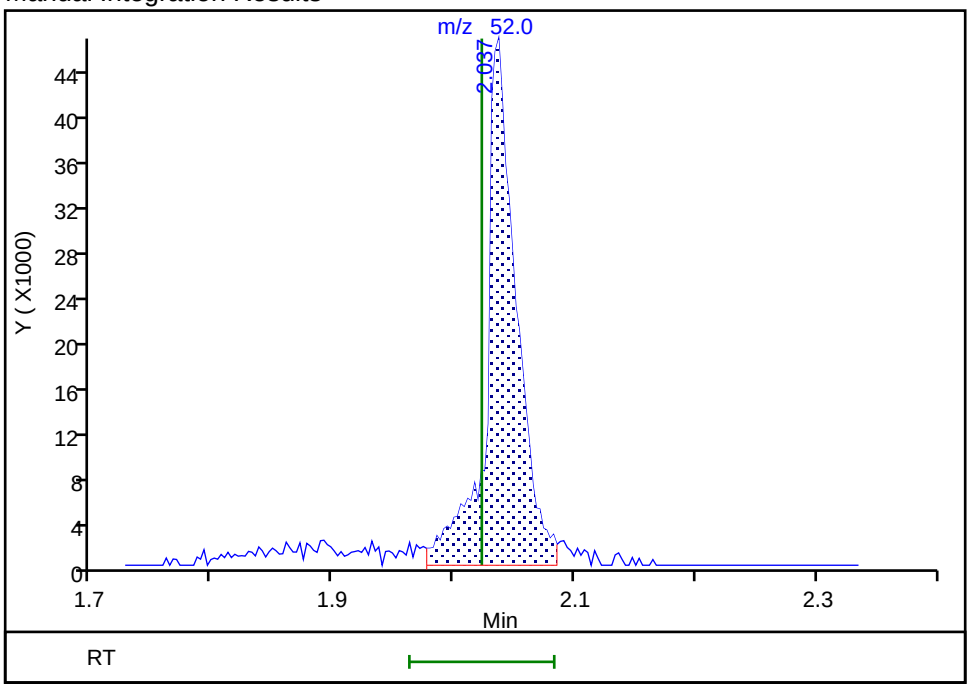
Not Detected
Expected RT: 2.02

Processing Integration Results



Manual Integration Results

RT: 2.04
Area: 82039
Amount: 11.608905
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

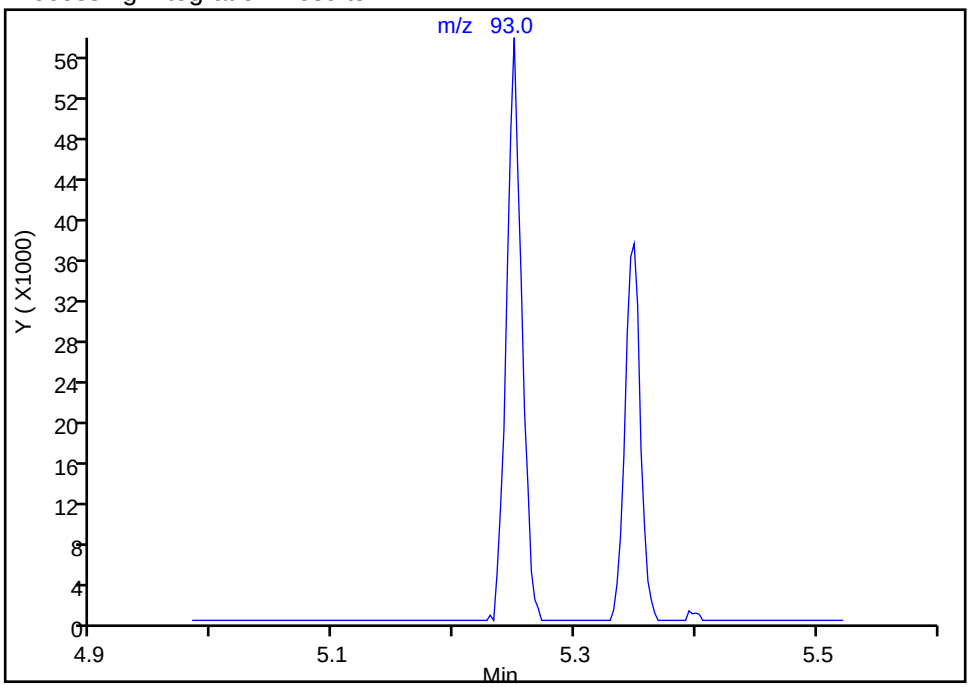
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D				
Injection Date:	24-Feb-2022 12:31:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

29 Aniline, CAS: 62-53-3

Signal: 1

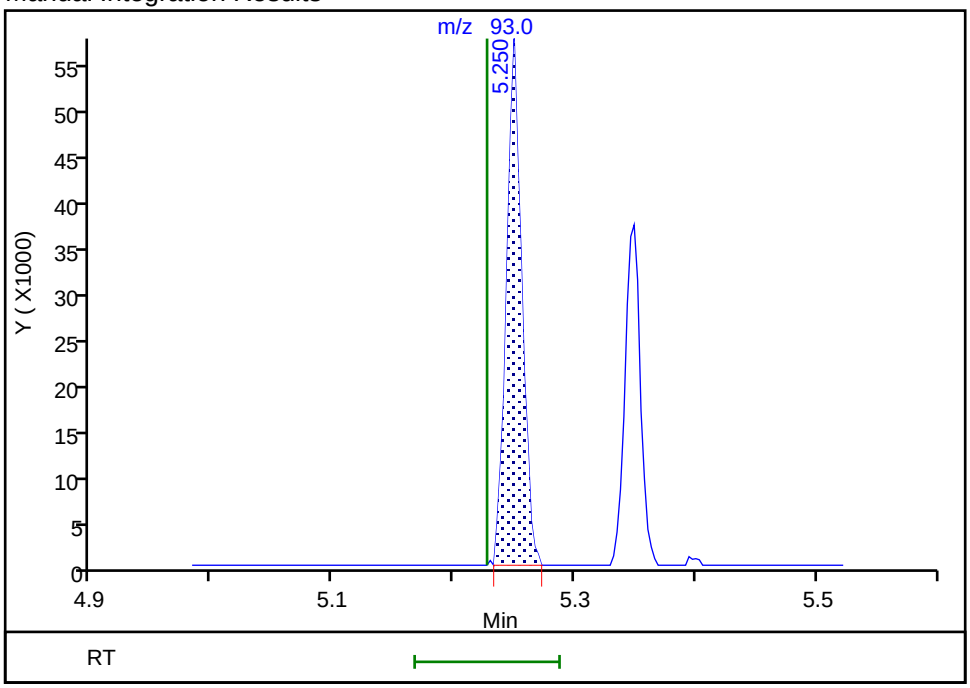
Processing Integration Results

Not Detected
Expected RT: 5.23



Manual Integration Results

RT: 5.25
Area: 50111
Amount: 5.071296
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

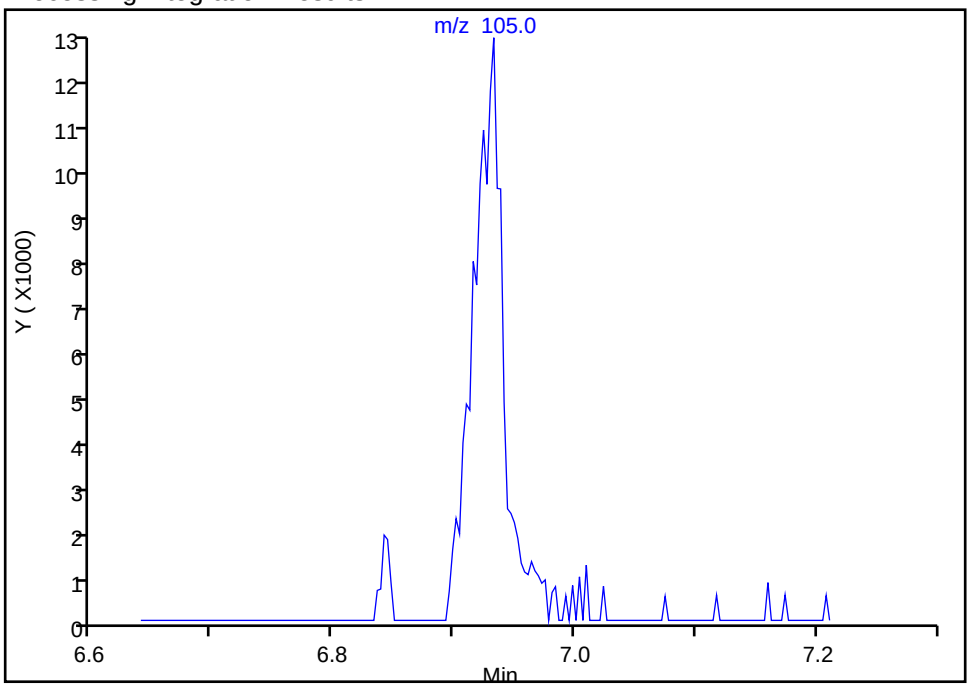
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481064.D				
Injection Date:	24-Feb-2022 12:31:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

64 Benzoic acid, CAS: 65-85-0

Signal: 1

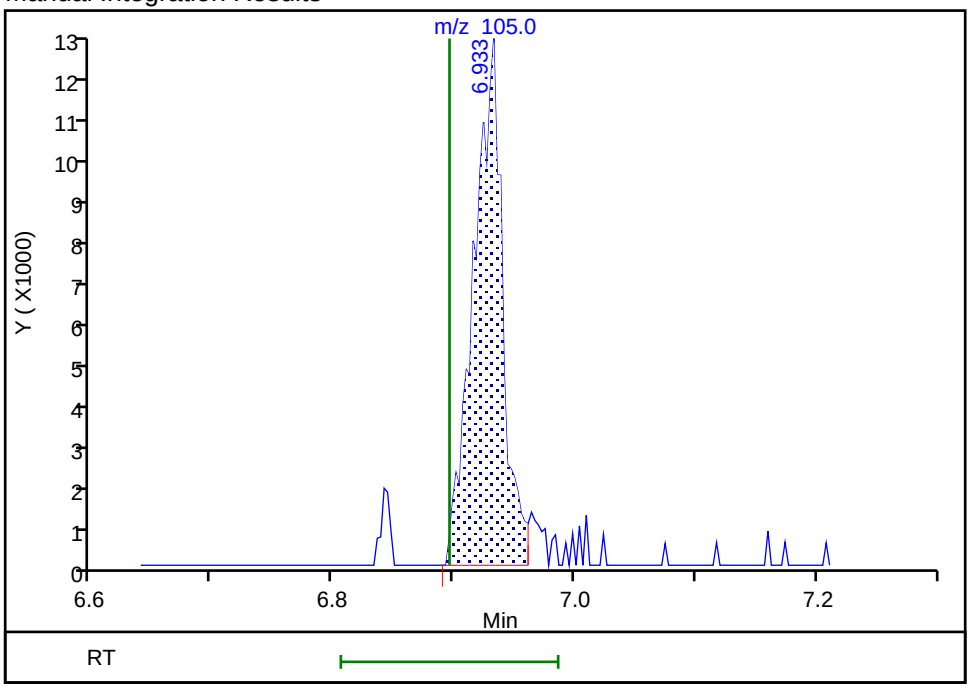
Not Detected
Expected RT: 6.90

Processing Integration Results



RT: 6.93
Area: 20239
Amount: 18.504719
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 24-Feb-2022 17:06:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481065.D
Lims ID: IC - List 1 - 20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Feb-2022 12:55:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-006
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:10:54 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:07:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.673	5.673	0.000	96	171055	40.0	40.0	
* 2 Naphthalene-d8	136	7.225	7.225	0.000	99	629246	40.0	40.0	
* 3 Acenaphthene-d10	164	9.289	9.289	0.000	94	311629	40.0	40.0	
* 4 Phenanthrene-d10	188	10.909	10.909	0.000	95	495481	40.0	40.0	
* 5 Chrysene-d12	240	13.296	13.296	0.000	97	377761	40.0	40.0	
* 6 Perylene-d12	264	14.460	14.460	0.000	93	354792	40.0	40.0	
$ 7 2-Fluorophenol	112	3.939	3.939	0.000	95	122237	20.0	20.2	
$ 8 Phenol-d5	99	5.230	5.230	0.000	97	148652	20.0	20.8	
$ 9 Nitrobenzene-d5	82	6.357	6.357	0.000	90	116286	20.0	19.9	
$ 10 2-Fluorobiphenyl	172	8.514	8.514	0.000	99	210213	20.0	20.6	
$ 11 2,4,6-Tribromophenol	330	10.186	10.186	0.000	84	15725	20.0	19.5	
$ 12 p-Terphenyl-d14	244	12.399	12.399	0.000	97	192027	20.0	21.1	
15 1,4-Dioxane	88	1.691	1.691	0.000	97	56702	20.0	20.3	
16 N-Nitrosodimethylamine	74	1.975	1.975	0.000	96	85035	20.0	20.1	
17 Pyridine	52	2.028	2.028	0.000	83	234999	40.0	45.0	a
27 Benzaldehyde	77	5.108	5.108	0.000	92	100448	20.0	21.8	
28 Phenol	94	5.247	5.247	0.000	98	169339	20.0	20.9	
29 Aniline	93	5.256	5.256	0.000	97	195373	20.0	20.9	
31 Bis(2-chloroethyl)ether	93	5.352	5.352	0.000	95	126300	20.0	20.5	
32 2-Chlorophenol	128	5.406	5.406	0.000	98	123136	20.0	20.4	
35 n-Decane	57	5.517	5.517	0.000	94	182068	20.0	20.8	
36 1,3-Dichlorobenzene	146	5.602	5.602	0.000	99	136764	20.0	20.5	
37 1,4-Dichlorobenzene	146	5.695	5.695	0.000	94	137983	20.0	20.6	
38 Benzyl alcohol	108	5.857	5.857	0.000	93	80407	20.0	20.6	
39 1,2-Dichlorobenzene	146	5.886	5.886	0.000	97	130448	20.0	20.9	
229 Indene	115	5.996	5.996	0.000	90	659548	60.0	64.0	
40 2-Methylphenol	108	6.013	6.013	0.000	90	110656	20.0	20.9	
42 2,2'-oxybis[1-chloropropane]	45	6.042	6.042	0.000	94	219535	20.0	20.9	
45 Acetophenone	105	6.178	6.178	0.000	95	163014	20.0	21.2	
47 N-Nitrosodi-n-propylamine	70	6.195	6.195	0.000	91	85218	20.0	20.6	
46 4-Methylphenol	108	6.209	6.209	0.000	96	114811	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.306	6.306	0.000	98	51894	20.0	19.9	
52 Nitrobenzene	77	6.382	6.382	0.000	91	118559	20.0	20.2	
56 Isophorone	82	6.678	6.678	0.000	98	220161	20.0	20.5	
58 2-Nitrophenol	139	6.774	6.774	0.000	94	49484	20.0	18.1	
59 2,4-Dimethylphenol	107	6.851	6.851	0.000	94	111138	20.0	20.3	
64 Benzoic acid	105	6.993	6.993	0.000	93	140400	60.0	50.5	
62 Bis(2-chloroethoxy)methane	93	6.961	6.961	0.000	98	142714	20.0	21.2	
65 2,4-Dichlorophenol	162	7.064	7.064	0.000	95	86781	20.0	20.2	
67 1,2,4-Trichlorobenzene	180	7.166	7.166	0.000	94	91991	20.0	20.2	
69 Naphthalene	128	7.248	7.248	0.000	98	337359	20.0	20.8	
71 4-Chloroaniline	127	7.325	7.325	0.000	97	143557	20.0	21.1	
70 2,6-Dichlorophenol	162	7.333	7.333	0.000	97	85819	20.0	20.6	
73 Hexachlorobutadiene	225	7.424	7.424	0.000	98	48569	20.0	20.8	
78 Caprolactam	113	7.708	7.708	0.000	75	31776	20.0	19.1	
79 4-Chloro-3-methylphenol	107	7.918	7.918	0.000	97	88094	20.0	20.1	
82 2-Methylnaphthalene	142	8.071	8.071	0.000	93	224266	20.0	21.3	
83 1-Methylnaphthalene	142	8.187	8.187	0.000	93	202148	20.0	20.9	
85 1,2,4,5-Tetrachlorobenzene	216	8.275	8.275	0.000	97	80881	20.0	20.7	
84 Hexachlorocyclopentadiene	237	8.278	8.278	0.000	85	54516	20.0	20.2	
86 2,4,6-Trichlorophenol	196	8.415	8.415	0.000	94	53238	20.0	20.2	
87 2,4,5-Trichlorophenol	196	8.449	8.449	0.000	93	56087	20.0	20.2	
90 1,1'-Biphenyl	154	8.625	8.625	0.000	96	249902	20.0	20.7	
91 2-Chloronaphthalene	162	8.639	8.639	0.000	97	194804	20.0	20.9	
93 2-Nitroaniline	65	8.764	8.764	0.000	83	56095	20.0	19.3	
96 Dimethyl phthalate	163	8.996	8.996	0.000	99	207938	20.0	21.0	
97 1,3-Dinitrobenzene	168	9.008	9.008	0.000	81	27228	20.0	18.0	a
99 2,6-Dinitrotoluene	165	9.053	9.053	0.000	94	45830	20.0	19.8	
100 Acenaphthylene	152	9.118	9.118	0.000	98	307340	20.0	21.3	
101 3-Nitroaniline	138	9.243	9.243	0.000	94	53444	20.0	20.1	
102 Acenaphthene	153	9.326	9.326	0.000	95	194024	20.0	20.8	
103 2,4-Dinitrophenol	184	9.362	9.362	0.000	81	24103	40.0	31.3	
104 4-Nitrophenol	109	9.459	9.459	0.000	92	44486	40.0	37.2	
106 2,4-Dinitrotoluene	165	9.519	9.519	0.000	93	56813	20.0	19.8	
107 Dibenzofuran	168	9.527	9.527	0.000	96	261102	20.0	21.2	
110 2,3,4,6-Tetrachlorophenol	232	9.680	9.680	0.000	78	32455	20.0	18.5	
112 Diethyl phthalate	149	9.825	9.825	0.000	98	206244	20.0	20.9	
138 Hexadecane	57	9.871	9.871	0.000	89	182701	20.0	21.2	
115 Fluorene	166	9.919	9.919	0.000	94	213053	20.0	21.5	
116 4-Chlorophenyl phenyl ether	204	9.933	9.933	0.000	93	90357	20.0	21.2	
118 4-Nitroaniline	138	9.941	9.941	0.000	84	51071	20.0	20.7	
119 4,6-Dinitro-2-methylphenol	198	9.984	9.984	0.000	78	37694	40.0	33.9	
121 Diphenylamine	169	10.064	10.064	0.000	93	149759	17.1	17.9	
120 N-Nitrosodiphenylamine	169	10.064	10.064	0.000	97	149759	20.0	20.9	
123 1,2-Diphenylhydrazine	77	10.109	10.109	0.000	97	223349	20.0	21.0	
122 Azobenzene	77	10.109	10.109	0.000	99	223349	20.0	21.0	
130 4-Bromophenyl phenyl ether	248	10.461	10.461	0.000	75	45998	20.0	20.4	
131 Hexachlorobenzene	284	10.523	10.523	0.000	90	43528	20.0	20.7	
133 Atrazine	200	10.648	10.648	0.000	87	50494	20.0	21.1	
134 Pentachlorophenol	266	10.728	10.728	0.000	86	37307	40.0	34.9	
113 n-Octadecane	57	10.855	10.855	0.000	91	184221	20.0	21.2	
141 Phenanthrene	178	10.932	10.932	0.000	98	284701	20.0	20.9	
142 Anthracene	178	10.983	10.983	0.000	97	295981	20.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.145	11.145	0.000	96	274287	20.0	21.7	
145 Di-n-butyl phthalate	149	11.508	11.508	0.000	99	342895	20.0	21.0	
152 Fluoranthene	202	12.053	12.053	0.000	99	275305	20.0	21.3	
154 Benzidine	184	12.178	12.178	0.000	99	158178	20.0	24.4	
155 Pyrene	202	12.255	12.255	0.000	96	291732	20.0	21.3	
162 Butyl benzyl phthalate	149	12.825	12.825	0.000	98	141892	20.0	20.0	
166 3,3'-Dichlorobenzidine	252	13.268	13.268	0.000	76	78605	20.0	19.7	
167 Benzo[a]anthracene	228	13.288	13.288	0.000	98	257682	20.0	20.8	
172 Bis(2-ethylhexyl) phthalate	149	13.313	13.313	0.000	98	216913	20.0	20.6	
169 Chrysene	228	13.319	13.319	0.000	97	249971	20.0	20.9	
168 Di-n-octyl phthalate	149	13.836	13.836	0.000	99	351829	20.0	20.2	
174 Benzo[b]fluoranthene	252	14.156	14.156	0.000	98	241275	20.0	20.9	
175 Benzo[k]fluoranthene	252	14.179	14.179	0.000	95	248698	20.0	21.6	
177 Benzo[a]pyrene	252	14.415	14.415	0.000	82	229050	20.0	20.6	
180 Indeno[1,2,3-cd]pyrene	276	15.368	15.368	0.000	93	229433	20.0	20.0	
181 Dibenz(a,h)anthracene	278	15.374	15.374	0.000	91	200722	20.0	19.9	
182 Benzo[g,h,i]perylene	276	15.626	15.626	0.000	91	205220	20.0	20.1	
S 237 Total Cresols	1				0			41.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

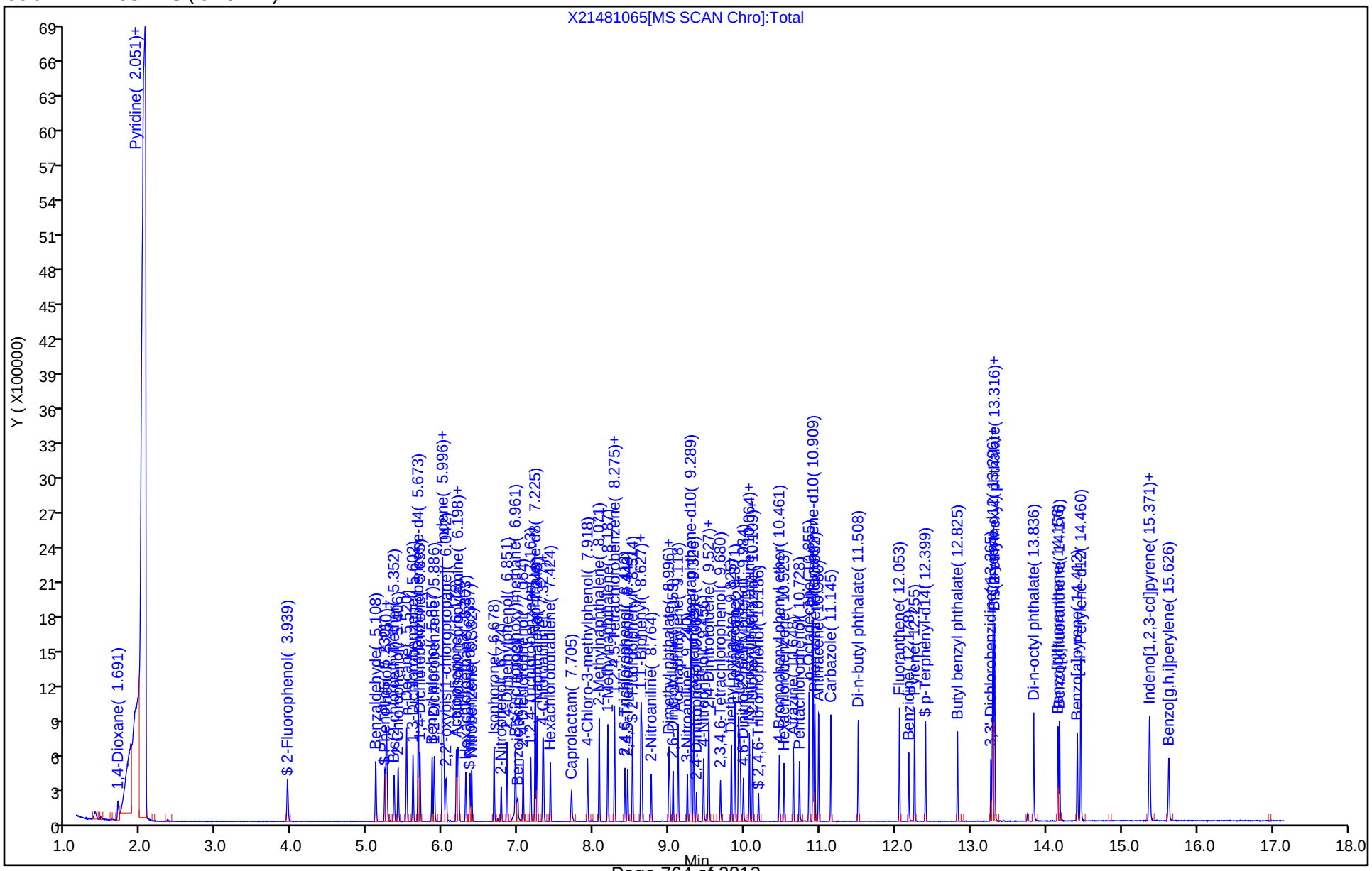
MB_LIST1_WRK_00886	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:10:54 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481065.D				
Injection Date:	24-Feb-2022 12:55:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 20			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

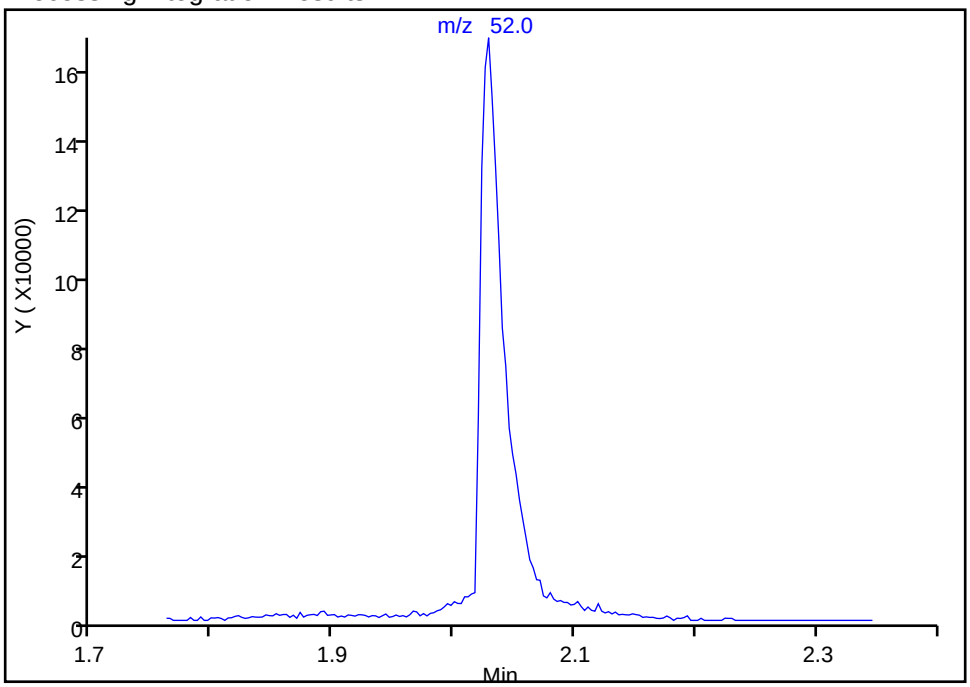
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481065.D				
Injection Date:	24-Feb-2022 12:55:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 20				
Client ID:					
Operator ID:	JM	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Pyridine, CAS: 110-86-1

Signal: 1

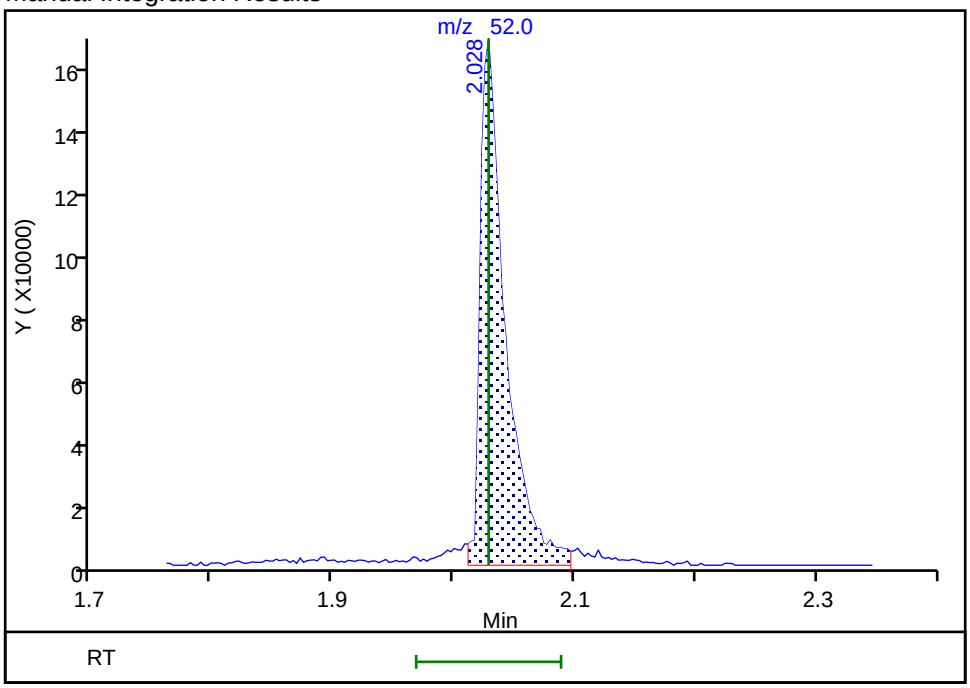
Not Detected
Expected RT: 2.03

Processing Integration Results



Manual Integration Results

RT: 2.03
Area: 234999
Amount: 44.977646
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

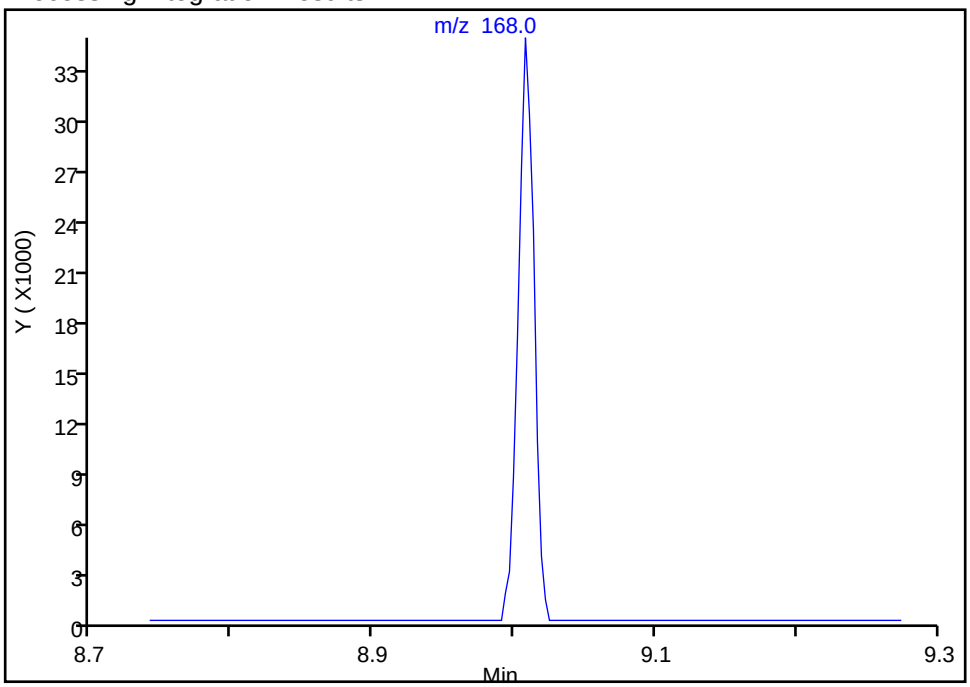
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481065.D				
Injection Date:	24-Feb-2022 12:55:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 20				
Client ID:					
Operator ID:	JM	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

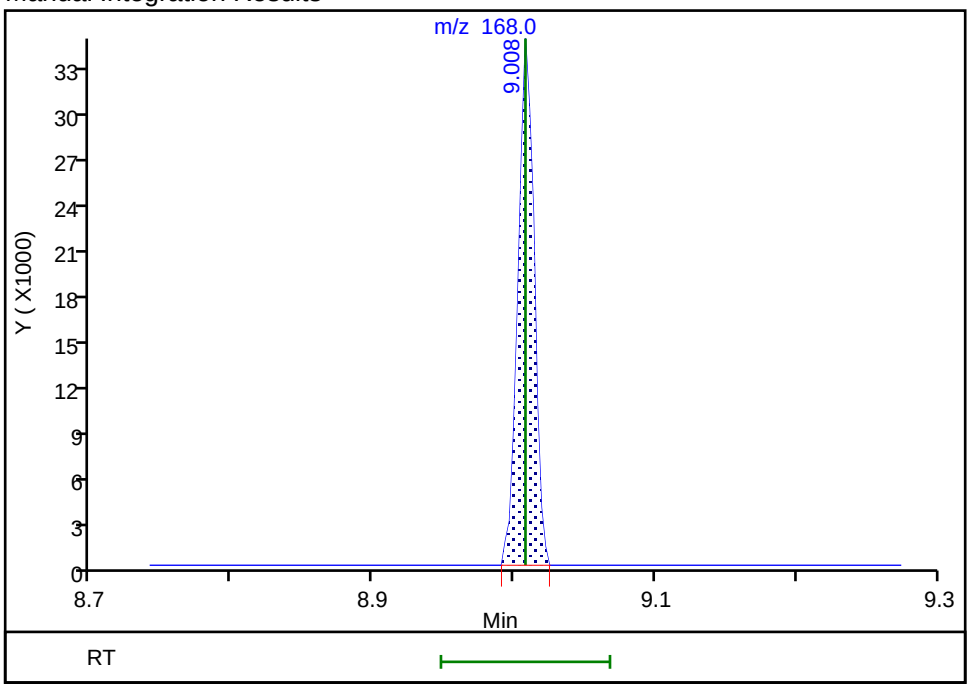
Not Detected
Expected RT: 9.01

Processing Integration Results



Manual Integration Results

RT: 9.01
Area: 27228
Amount: 18.023275
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:06:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481066.D
Lims ID: ICIS - List 1 - 50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 24-Feb-2022 13:19:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-007
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:10:59 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 14:26:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.673	5.673	0.000	97	198045	40.0	40.0	
* 2 Naphthalene-d8	136	7.223	7.223	0.000	99	729855	40.0	40.0	
* 3 Acenaphthene-d10	164	9.292	9.292	0.000	93	359057	40.0	40.0	
* 4 Phenanthrene-d10	188	10.912	10.912	0.000	95	564652	40.0	40.0	
* 5 Chrysene-d12	240	13.302	13.302	0.000	97	430275	40.0	40.0	
* 6 Perylene-d12	264	14.466	14.466	0.000	94	408649	40.0	40.0	
$ 7 2-Fluorophenol	112	3.936	3.936	0.000	94	369464	50.0	52.8	
$ 8 Phenol-d5	99	5.233	5.233	0.000	98	425440	50.0	50.9	
$ 9 Nitrobenzene-d5	82	6.360	6.360	0.000	91	346818	50.0	51.1	
$ 10 2-Fluorobiphenyl	172	8.520	8.520	0.000	100	597653	50.0	51.5	
$ 11 2,4,6-Tribromophenol	330	10.188	10.188	0.000	82	47356	50.0	49.4	
$ 12 p-Terphenyl-d14	244	12.402	12.402	0.000	97	524675	50.0	50.7	
15 1,4-Dioxane	88	1.688	1.688	0.000	94	162196	50.0	51.3	
16 N-Nitrosodimethylamine	74	1.977	1.977	0.000	92	244381	50.0	49.9	
17 Pyridine	52	2.026	2.026	0.000	89	575012	100.0	100.4	
27 Benzaldehyde	77	5.108	5.108	0.000	93	241955	50.0	45.4	
28 Phenol	94	5.250	5.250	0.000	93	486539	50.0	51.8	
29 Aniline	93	5.256	5.256	0.000	92	556487	50.0	51.5	
31 Bis(2-chloroethyl)ether	93	5.352	5.352	0.000	95	368897	50.0	51.7	
32 2-Chlorophenol	128	5.406	5.406	0.000	98	366679	50.0	52.4	
35 n-Decane	57	5.517	5.517	0.000	94	528370	50.0	52.2	
36 1,3-Dichlorobenzene	146	5.602	5.602	0.000	98	392179	50.0	50.8	
37 1,4-Dichlorobenzene	146	5.696	5.696	0.000	93	399948	50.0	51.5	
38 Benzyl alcohol	108	5.860	5.860	0.000	94	235296	50.0	51.5	
39 1,2-Dichlorobenzene	146	5.883	5.883	0.000	97	367904	50.0	50.9	
229 Indene	115	5.996	5.996	0.000	90	1814986	150.0	156.6	
40 2-Methylphenol	108	6.013	6.013	0.000	92	320286	50.0	52.2	
42 2,2'-oxybis[1-chloropropane]	45	6.042	6.042	0.000	94	621005	50.0	51.0	
45 Acetophenone	105	6.178	6.178	0.000	96	464577	50.0	52.1	
47 N-Nitrosodi-n-propylamine	70	6.198	6.198	0.000	92	250369	50.0	52.3	
46 4-Methylphenol	108	6.212	6.212	0.000	95	328287	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.300	6.300	0.000	97	153492	50.0	50.9	
52 Nitrobenzene	77	6.382	6.382	0.000	90	346157	50.0	51.0	
56 Isophorone	82	6.680	6.680	0.000	98	633841	50.0	50.9	
58 2-Nitrophenol	139	6.771	6.771	0.000	95	163323	50.0	50.2	
59 2,4-Dimethylphenol	107	6.851	6.851	0.000	93	325873	50.0	51.3	
62 Bis(2-chloroethoxy)methane	93	6.961	6.961	0.000	98	396780	50.0	50.7	
64 Benzoic acid	105	7.061	7.061	0.000	91	531741	150.0	134.5	
65 2,4-Dichlorophenol	162	7.064	7.064	0.000	95	257578	50.0	51.1	
67 1,2,4-Trichlorobenzene	180	7.163	7.163	0.000	95	267869	50.0	50.7	
69 Naphthalene	128	7.248	7.248	0.000	98	951185	50.0	50.7	
71 4-Chloroaniline	127	7.325	7.325	0.000	97	410041	50.0	51.9	
70 2,6-Dichlorophenol	162	7.336	7.336	0.000	97	250079	50.0	51.2	
73 Hexachlorobutadiene	225	7.424	7.424	0.000	98	139524	50.0	51.5	
78 Caprolactam	113	7.742	7.742	0.000	76	99560	50.0	50.4	M
79 4-Chloro-3-methylphenol	107	7.924	7.924	0.000	98	261029	50.0	50.7	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	93	632470	50.0	51.9	
83 1-Methylnaphthalene	142	8.190	8.190	0.000	93	569234	50.0	50.6	
85 1,2,4,5-Tetrachlorobenzene	216	8.278	8.278	0.000	96	230124	50.0	51.6	
84 Hexachlorocyclopentadiene	237	8.281	8.281	0.000	87	161668	50.0	52.0	
86 2,4,6-Trichlorophenol	196	8.417	8.417	0.000	94	155075	50.0	49.9	
87 2,4,5-Trichlorophenol	196	8.457	8.457	0.000	94	167567	50.0	51.4	
90 1,1'-Biphenyl	154	8.630	8.630	0.000	97	703479	50.0	50.7	
91 2-Chloronaphthalene	162	8.642	8.642	0.000	97	540825	50.0	50.4	
93 2-Nitroaniline	65	8.769	8.769	0.000	85	171987	50.0	49.9	
96 Dimethyl phthalate	163	9.002	9.002	0.000	98	579458	50.0	50.8	
97 1,3-Dinitrobenzene	168	9.013	9.013	0.000	84	93006	50.0	50.2	a
99 2,6-Dinitrotoluene	165	9.056	9.056	0.000	94	138440	50.0	50.5	
100 Acenaphthylene	152	9.121	9.121	0.000	98	860285	50.0	51.9	
101 3-Nitroaniline	138	9.249	9.249	0.000	93	161819	50.0	51.3	
102 Acenaphthene	153	9.328	9.328	0.000	95	536181	50.0	49.9	
103 2,4-Dinitrophenol	184	9.368	9.368	0.000	83	100970	100.0	87.7	
104 4-Nitrophenol	109	9.468	9.468	0.000	91	142428	100.0	97.8	
106 2,4-Dinitrotoluene	165	9.524	9.524	0.000	92	173845	50.0	50.9	
107 Dibenzofuran	168	9.530	9.530	0.000	96	719519	50.0	50.7	
110 2,3,4,6-Tetrachlorophenol	232	9.683	9.683	0.000	78	105800	50.0	50.5	
112 Diethyl phthalate	149	9.831	9.831	0.000	98	589918	50.0	51.8	
138 Hexadecane	57	9.873	9.873	0.000	94	512934	50.0	51.7	
115 Fluorene	166	9.925	9.925	0.000	93	581205	50.0	50.8	
116 4-Chlorophenyl phenyl ether	204	9.936	9.936	0.000	95	251843	50.0	51.2	
118 4-Nitroaniline	138	9.953	9.953	0.000	86	135111	50.0	46.7	
119 4,6-Dinitro-2-methylphenol	198	9.993	9.993	0.000	79	138702	100.0	91.1	
121 Diphenylamine	169	10.069	10.069	0.000	93	415411	42.8	43.5	
120 N-Nitrosodiphenylamine	169	10.069	10.069	0.000	97	415411	50.0	50.8	
123 1,2-Diphenylhydrazine	77	10.112	10.112	0.000	98	623367	50.0	51.3	
122 Azobenzene	77	10.112	10.112	0.000	100	623367	50.0	51.3	
130 4-Bromophenyl phenyl ether	248	10.464	10.464	0.000	74	128752	50.0	50.0	
131 Hexachlorobenzene	284	10.526	10.526	0.000	90	121957	50.0	51.0	
133 Atrazine	200	10.654	10.654	0.000	88	144476	50.0	52.5	
134 Pentachlorophenol	266	10.731	10.731	0.000	87	123739	100.0	94.9	
113 n-Octadecane	57	10.858	10.858	0.000	92	514911	50.0	52.1	
141 Phenanthrene	178	10.935	10.935	0.000	98	796950	50.0	51.3	
142 Anthracene	178	10.986	10.986	0.000	97	815115	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.151	11.151	0.000	98	721047	50.0	50.1	
145 Di-n-butyl phthalate	149	11.508	11.508	0.000	99	970289	50.0	51.8	
152 Fluoranthene	202	12.059	12.059	0.000	99	770580	50.0	52.2	
154 Benzidine	184	12.181	12.181	0.000	99	376084	50.0	50.8	
155 Pyrene	202	12.258	12.258	0.000	95	788554	50.0	50.7	
162 Butyl benzyl phthalate	149	12.828	12.828	0.000	98	413897	50.0	50.4	
166 3,3'-Dichlorobenzidine	252	13.271	13.271	0.000	76	231099	50.0	50.1	
167 Benzo[a]anthracene	228	13.293	13.293	0.000	98	698355	50.0	49.5	
172 Bis(2-ethylhexyl) phthalate	149	13.316	13.316	0.000	98	620092	50.0	51.0	
169 Chrysene	228	13.325	13.325	0.000	97	678479	50.0	49.9	
168 Di-n-octyl phthalate	149	13.838	13.838	0.000	99	1036043	50.0	50.8	
174 Benzo[b]fluoranthene	252	14.165	14.165	0.000	97	673272	50.0	50.7	
175 Benzo[k]fluoranthene	252	14.188	14.188	0.000	96	672993	50.0	50.7	
177 Benzo[a]pyrene	252	14.423	14.423	0.000	82	651378	50.0	50.7	
180 Indeno[1,2,3-cd]pyrene	276	15.382	15.382	0.000	93	662313	50.0	50.1	
181 Dibenz(a,h)anthracene	278	15.388	15.388	0.000	90	584305	50.0	50.1	
182 Benzo[g,h,i]perylene	276	15.641	15.641	0.000	93	577750	50.0	49.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

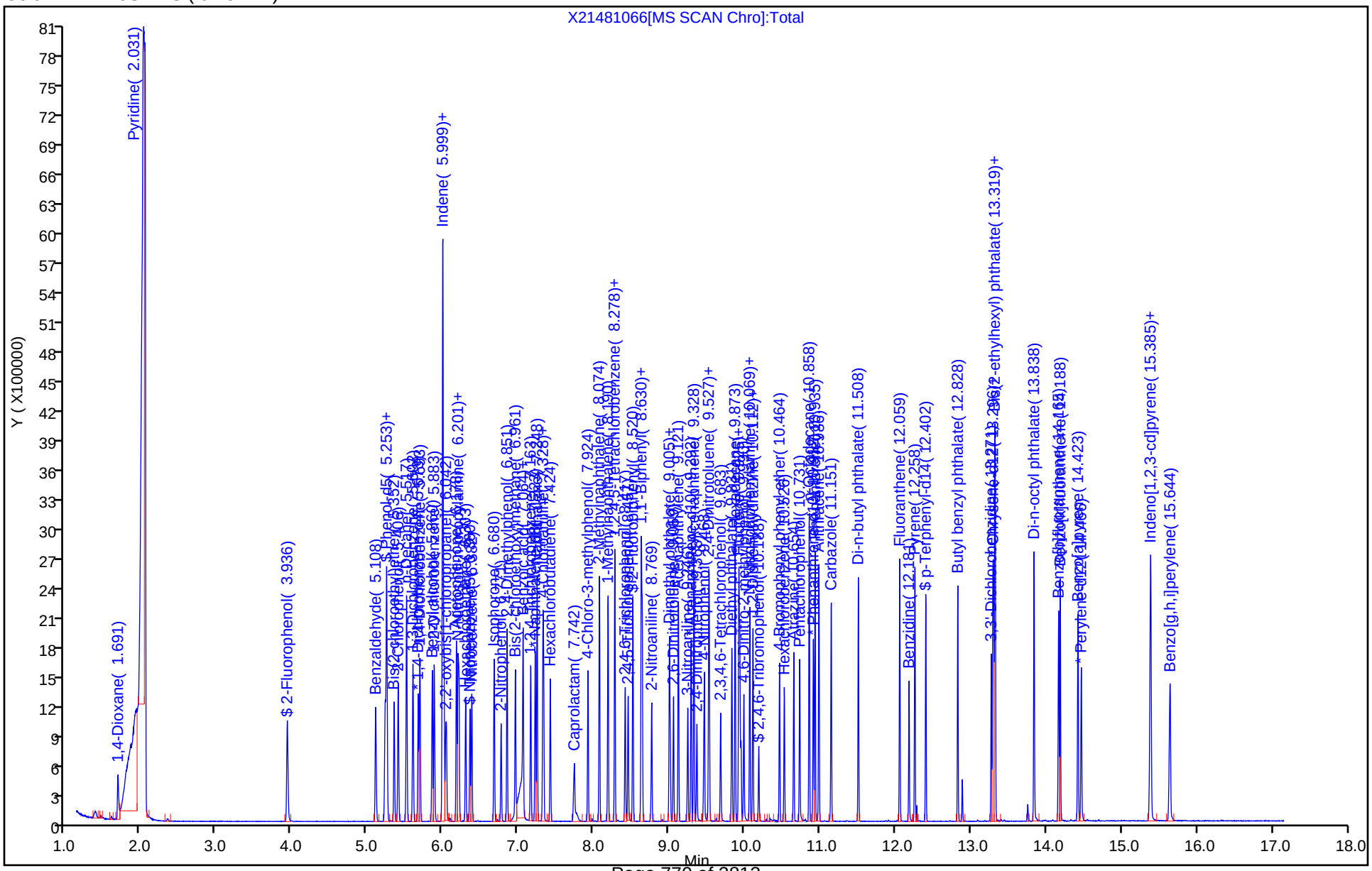
MB_LIST1_WRK_00887	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:11:00 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481066.D				
Injection Date:	24-Feb-2022 13:19:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	ICIS - List 1 - 50			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Resolution Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481066.D				
Injection Date:	24-Feb-2022 13:19:30	Instrument ID:	HP5973X		
Lims ID:	ICIS - List 1 - 50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

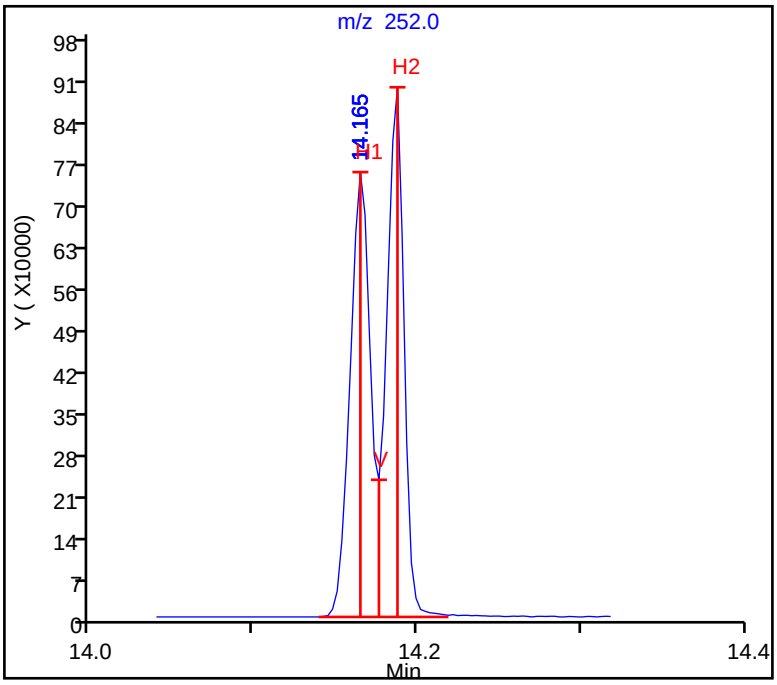
174 Benzo[b]fluoranthene - 175 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 231552
H1(174 Benzo[b]fluoranthen) = 751040
H2(175 Benzo[k]fluoranthen) = 894272

Version D: %R = 28.1 <= 50.0
Passed



Manual Integration/User Assign Peak Report

Eurofins Buffalo

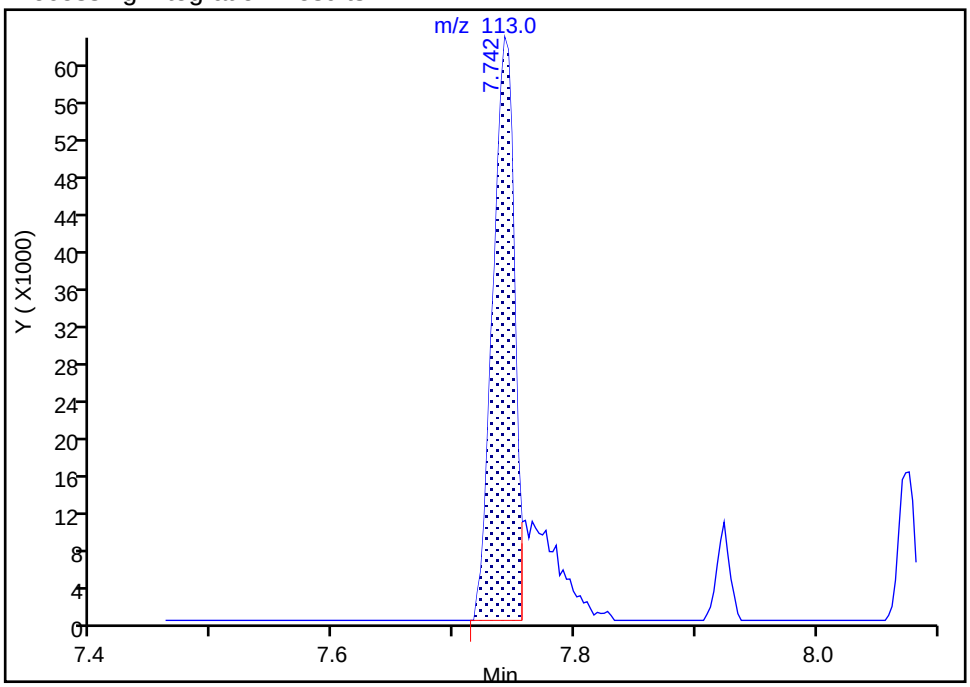
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481066.D				
Injection Date:	24-Feb-2022 13:19:30	Instrument ID:	HP5973X		
Lims ID:	ICIS - List 1 - 50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

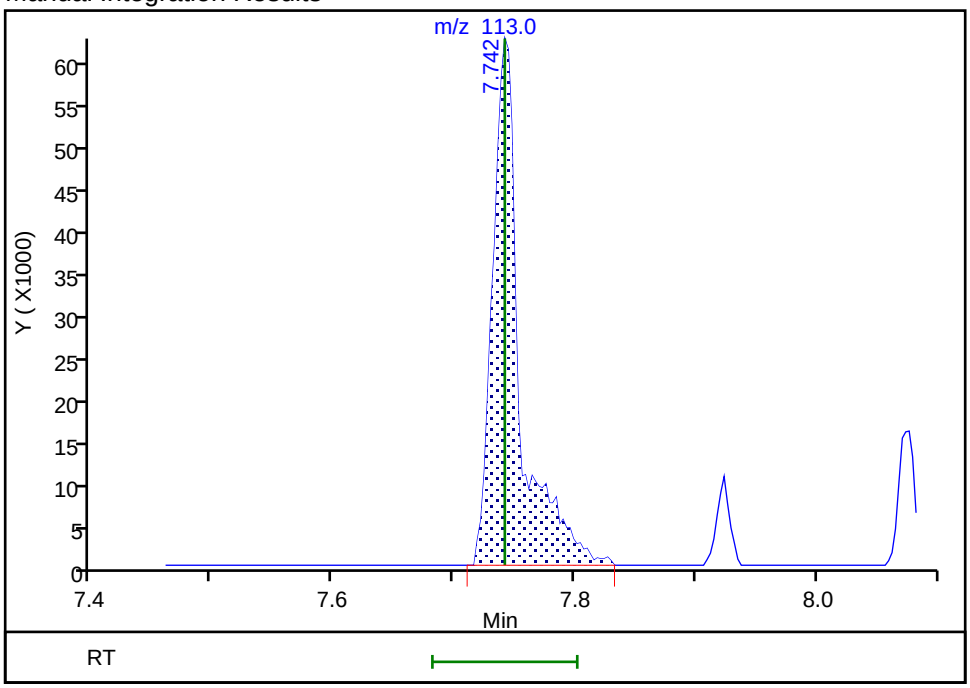
Processing Integration Results

RT: 7.74
Area: 77641
Amount: 42.924250
Amount Units: ng/uL



Manual Integration Results

RT: 7.74
Area: 99560
Amount: 50.386267
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:09:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

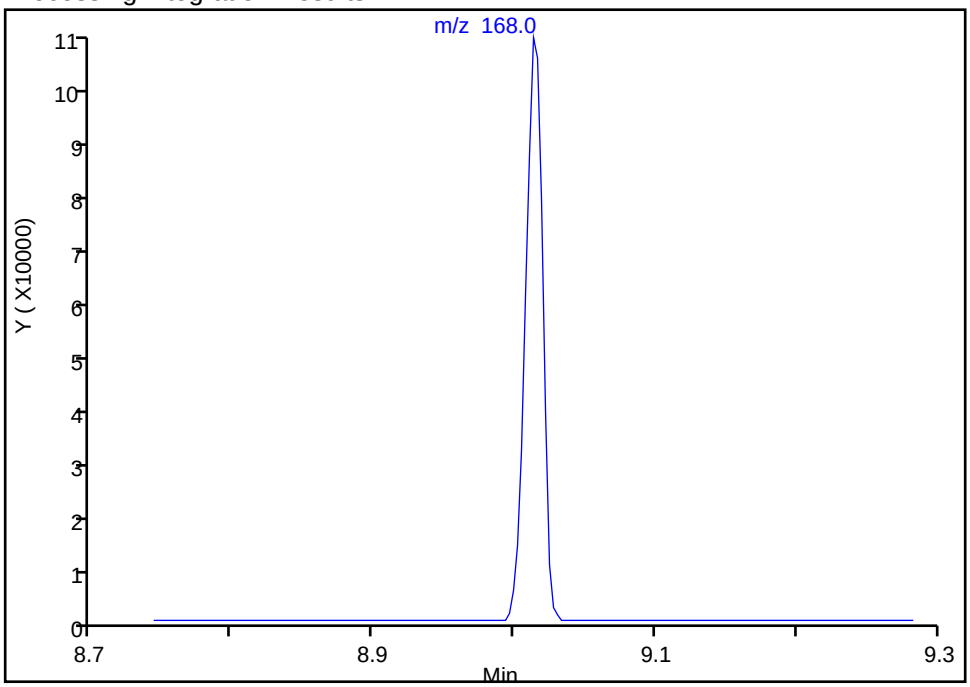
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481066.D				
Injection Date:	24-Feb-2022 13:19:30	Instrument ID:	HP5973X		
Lims ID:	ICIS - List 1 - 50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

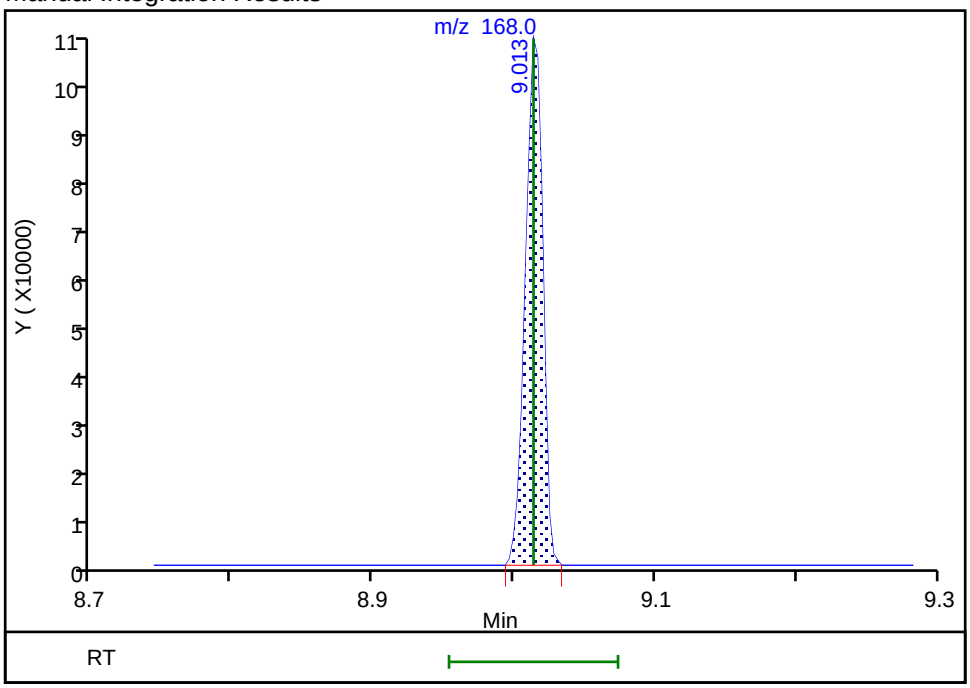
Processing Integration Results

Not Detected
Expected RT: 9.01



Manual Integration Results

RT: 9.01
Area: 93006
Amount: 50.185738
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:07:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481067.D
Lims ID: IC - List 1 - 80
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Feb-2022 13:43:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-008
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:11:05 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:07:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.676	5.673	0.003	97	216640	40.0	40.0	
* 2 Naphthalene-d8	136	7.225	7.223	0.003	99	782327	40.0	40.0	
* 3 Acenaphthene-d10	164	9.289	9.292	-0.003	94	379467	40.0	40.0	
* 4 Phenanthrene-d10	188	10.912	10.912	0.000	97	589551	40.0	40.0	
* 5 Chrysene-d12	240	13.305	13.302	0.003	97	433640	40.0	40.0	
* 6 Perylene-d12	264	14.468	14.466	0.002	93	414976	40.0	40.0	
$ 7 2-Fluorophenol	112	3.939	3.936	0.003	94	622316	80.0	81.3	
$ 8 Phenol-d5	99	5.238	5.233	0.005	95	726431	80.0	79.3	
$ 9 Nitrobenzene-d5	82	6.362	6.360	0.002	90	598544	80.0	82.3	
$ 10 2-Fluorobiphenyl	172	8.517	8.520	-0.003	100	991744	80.0	81.1	
$ 11 2,4,6-Tribromophenol	330	10.188	10.188	0.000	81	81771	80.0	80.8	
$ 12 p-Terphenyl-d14	244	12.405	12.402	0.003	96	846926	80.0	81.2	
15 1,4-Dioxane	88	1.691	1.688	0.003	97	275045	80.0	80.0	
16 N-Nitrosodimethylamine	74	1.980	1.977	0.003	93	409342	80.0	76.5	
17 Pyridine	52	2.026	2.026	0.000	82	935536	160.0	151.7	
27 Benzaldehyde	77	5.108	5.108	0.000	92	379632	80.0	65.1	
28 Phenol	94	5.255	5.250	0.005	98	807061	80.0	78.6	
29 Aniline	93	5.258	5.256	0.002	98	945988	80.0	80.0	
31 Bis(2-chloroethyl)ether	93	5.355	5.352	0.003	95	618965	80.0	79.3	
32 2-Chlorophenol	128	5.409	5.406	0.003	98	624899	80.0	81.6	
35 n-Decane	57	5.519	5.517	0.002	93	874948	80.0	79.0	
36 1,3-Dichlorobenzene	146	5.605	5.602	0.003	98	663740	80.0	78.5	
37 1,4-Dichlorobenzene	146	5.695	5.696	-0.001	92	667732	80.0	78.5	
38 Benzyl alcohol	108	5.866	5.860	0.006	94	394309	80.0	78.7	
39 1,2-Dichlorobenzene	146	5.886	5.883	0.003	97	623717	80.0	78.9	
229 Indene	115	6.002	5.996	0.006	90	2916906	240.0	241.8	
40 2-Methylphenol	108	6.016	6.013	0.003	89	535571	80.0	79.8	
42 2,2'-oxybis[1-chloropropane]	45	6.045	6.042	0.003	94	1041911	80.0	78.2	
45 Acetophenone	105	6.184	6.178	0.006	95	774293	80.0	79.5	
47 N-Nitrosodi-n-propylamine	70	6.203	6.198	0.005	93	420700	80.0	80.3	
46 4-Methylphenol	108	6.218	6.212	0.006	95	552720	80.0	79.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.303	6.300	0.003	97	260473	80.0	78.9	
52 Nitrobenzene	77	6.388	6.382	0.006	90	585223	80.0	80.4	
56 Isophorone	82	6.686	6.680	0.006	99	1063411	80.0	79.7	
58 2-Nitrophenol	139	6.774	6.771	0.003	94	293114	80.0	83.5	
59 2,4-Dimethylphenol	107	6.853	6.851	0.002	95	551655	80.0	81.0	
62 Bis(2-chloroethoxy)methane	93	6.964	6.961	0.003	97	662190	80.0	78.9	
64 Benzoic acid	105	7.106	7.061	0.045	91	1015068	240.0	229.1	a
65 2,4-Dichlorophenol	162	7.066	7.064	0.002	96	430966	80.0	79.5	
67 1,2,4-Trichlorobenzene	180	7.166	7.163	0.003	94	446351	80.0	78.7	
69 Naphthalene	128	7.251	7.248	0.003	98	1572956	80.0	78.2	
71 4-Chloroaniline	127	7.327	7.325	0.002	96	683654	80.0	80.8	
70 2,6-Dichlorophenol	162	7.336	7.336	0.000	97	422197	80.0	80.5	
73 Hexachlorobutadiene	225	7.424	7.424	0.000	98	234701	80.0	80.8	
78 Caprolactam	113	7.767	7.742	0.025	76	166214	80.0	78.1	M
79 4-Chloro-3-methylphenol	107	7.926	7.924	0.002	98	447153	80.0	80.8	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	92	1048692	80.0	80.2	
83 1-Methylnaphthalene	142	8.187	8.190	-0.003	94	954675	80.0	79.2	
85 1,2,4,5-Tetrachlorobenzene	216	8.278	8.278	0.000	96	380563	80.0	81.0	
84 Hexachlorocyclopentadiene	237	8.278	8.281	-0.003	88	272963	80.0	83.0	
86 2,4,6-Trichlorophenol	196	8.414	8.417	-0.003	94	266293	80.0	80.7	
87 2,4,5-Trichlorophenol	196	8.454	8.457	-0.003	93	277439	80.0	80.2	
90 1,1'-Biphenyl	154	8.630	8.630	0.000	96	1169355	80.0	79.7	
91 2-Chloronaphthalene	162	8.642	8.642	0.000	97	909877	80.0	80.2	
93 2-Nitroaniline	65	8.769	8.769	0.000	84	301107	80.0	82.1	
96 Dimethyl phthalate	163	9.005	9.002	0.003	99	960563	80.0	79.6	
97 1,3-Dinitrobenzene	168	9.016	9.013	0.003	84	163780	80.0	81.5	a
99 2,6-Dinitrotoluene	165	9.059	9.056	0.003	94	238221	80.0	81.6	
100 Acenaphthylene	152	9.121	9.121	0.000	98	1411765	80.0	80.5	
101 3-Nitroaniline	138	9.249	9.249	0.000	93	267865	80.0	79.9	
102 Acenaphthene	153	9.328	9.328	0.000	95	877492	80.0	77.3	
103 2,4-Dinitrophenol	184	9.371	9.368	0.003	83	195394	160.0	152.4	
104 4-Nitrophenol	109	9.473	9.468	0.005	92	250766	160.0	160.8	
106 2,4-Dinitrotoluene	165	9.527	9.524	0.003	93	293160	80.0	80.6	
107 Dibenzofuran	168	9.533	9.530	0.003	97	1190898	80.0	79.3	
110 2,3,4,6-Tetrachlorophenol	232	9.683	9.683	0.000	78	184020	80.0	82.4	
112 Diethyl phthalate	149	9.834	9.831	0.003	98	962195	80.0	79.9	
138 Hexadecane	57	9.876	9.873	0.003	90	850274	80.0	81.1	
115 Fluorene	166	9.924	9.925	0.000	94	936552	80.0	77.5	
116 4-Chlorophenyl phenyl ether	204	9.936	9.936	0.000	96	412806	80.0	79.4	
118 4-Nitroaniline	138	9.961	9.953	0.008	87	240373	80.0	78.1	
119 4,6-Dinitro-2-methylphenol	198	9.995	9.993	0.002	77	258776	160.0	156.3	
121 Diphenylamine	169	10.072	10.069	0.003	93	692196	68.4	69.4	
120 N-Nitrosodiphenylamine	169	10.072	10.069	0.003	97	692196	80.0	81.1	
123 1,2-Diphenylhydrazine	77	10.112	10.112	0.000	97	1018753	80.0	80.3	
122 Azobenzene	77	10.112	10.112	0.000	100	1018753	80.0	80.3	
130 4-Bromophenyl phenyl ether	248	10.464	10.464	0.000	74	213837	80.0	79.6	
131 Hexachlorobenzene	284	10.529	10.526	0.003	89	196792	80.0	78.8	
133 Atrazine	200	10.657	10.654	0.003	88	232694	80.0	79.9	
134 Pentachlorophenol	266	10.733	10.731	0.002	87	216627	160.0	156.7	
113 n-Octadecane	57	10.858	10.858	0.000	92	844541	80.0	81.9	
141 Phenanthrene	178	10.938	10.935	0.003	99	1249624	80.0	77.0	
142 Anthracene	178	10.986	10.986	0.000	99	1282750	80.0	77.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.151	11.151	-0.001	97	1144162	80.0	76.2	
145 Di-n-butyl phthalate	149	11.508	11.508	0.000	99	1544271	80.0	78.8	
152 Fluoranthene	202	12.059	12.059	0.000	100	1215510	80.0	78.9	
154 Benzidine	184	12.181	12.181	0.000	99	592467	80.0	79.5	
155 Pyrene	202	12.260	12.258	0.002	95	1244479	80.0	79.3	
162 Butyl benzyl phthalate	149	12.828	12.828	0.000	98	676070	80.0	81.3	
166 3,3'-Dichlorobenzidine	252	13.274	13.271	0.003	76	391800	80.0	84.0	
167 Benzo[a]anthracene	228	13.296	13.293	0.003	98	1135476	80.0	79.8	
172 Bis(2-ethylhexyl) phthalate	149	13.316	13.316	0.000	97	984152	80.0	80.1	
169 Chrysene	228	13.327	13.325	0.002	97	1060233	80.0	77.4	
168 Di-n-octyl phthalate	149	13.838	13.838	0.000	99	1666534	80.0	80.6	
174 Benzo[b]fluoranthene	252	14.168	14.165	0.003	98	1120519	80.0	83.2	
175 Benzo[k]fluoranthene	252	14.190	14.188	0.002	96	1064447	80.0	79.0	
177 Benzo[a]pyrene	252	14.423	14.423	0.000	82	1061795	80.0	81.2	
180 Indeno[1,2,3-cd]pyrene	276	15.388	15.382	0.006	93	1126755	80.0	83.9	
181 Dibenz(a,h)anthracene	278	15.394	15.388	0.006	90	989723	80.0	83.5	
182 Benzo[g,h,i]perylene	276	15.649	15.641	0.008	91	1002760	80.0	83.7	
S 237 Total Cresols	1				0			159.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00888	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:11:05 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481067.D

Injection Date: 24-Feb-2022 13:43:30 Instrument ID: HP5973X Operator ID: JM

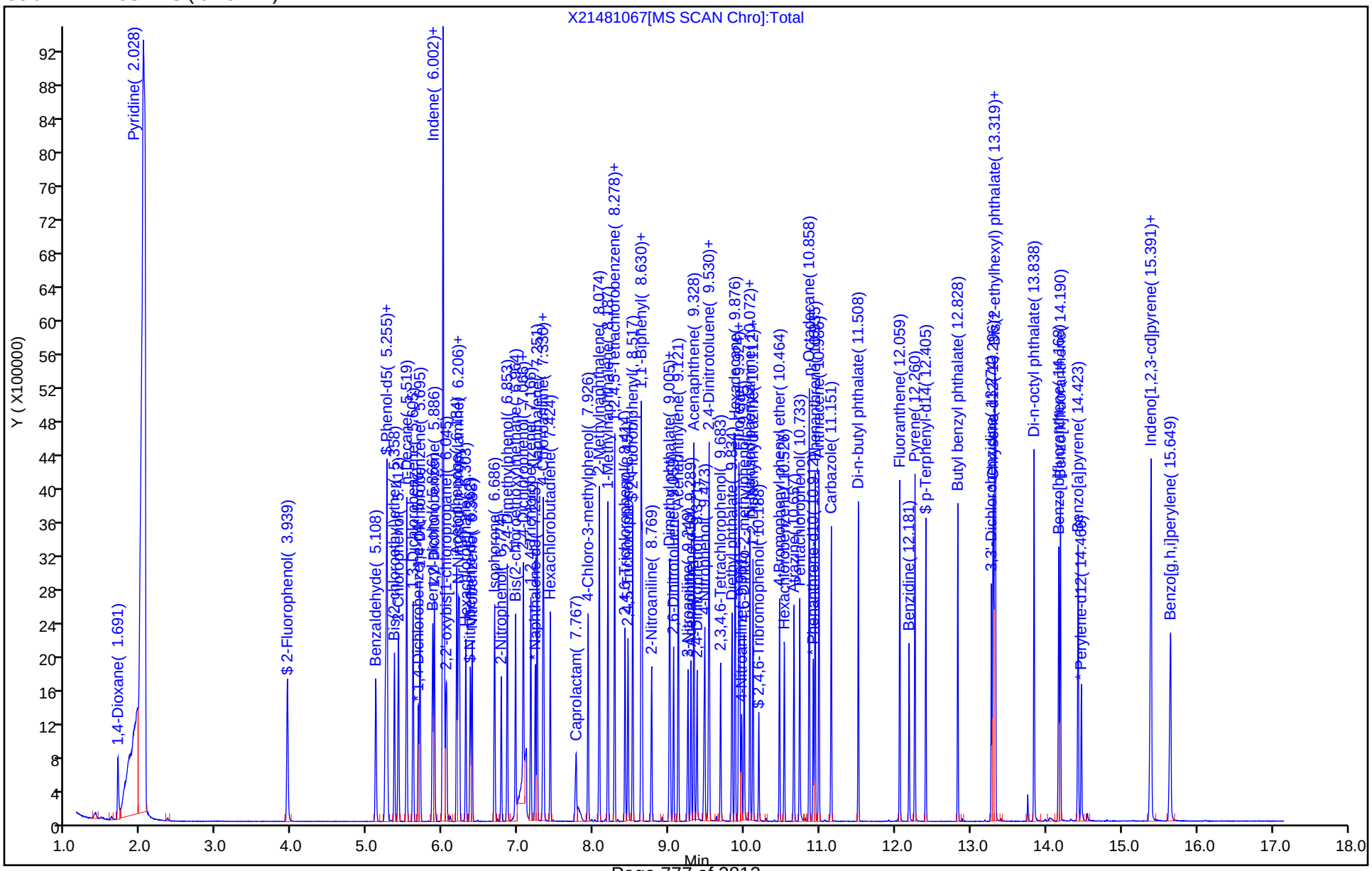
Lims ID: IC - List 1 - 80 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

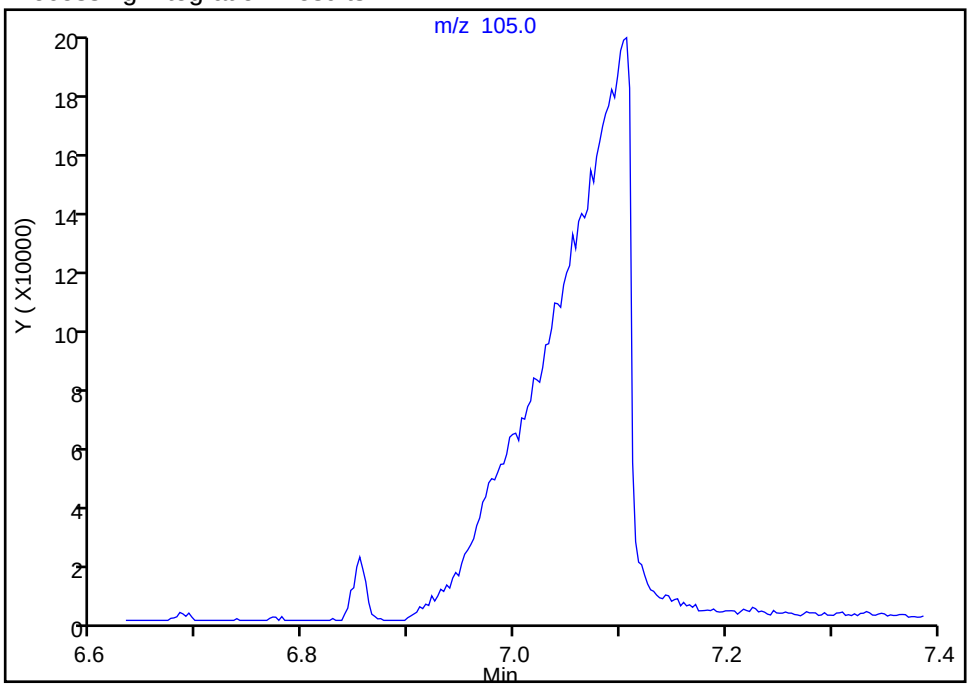
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481067.D				
Injection Date:	24-Feb-2022 13:43:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 80				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

64 Benzoic acid, CAS: 65-85-0

Signal: 1

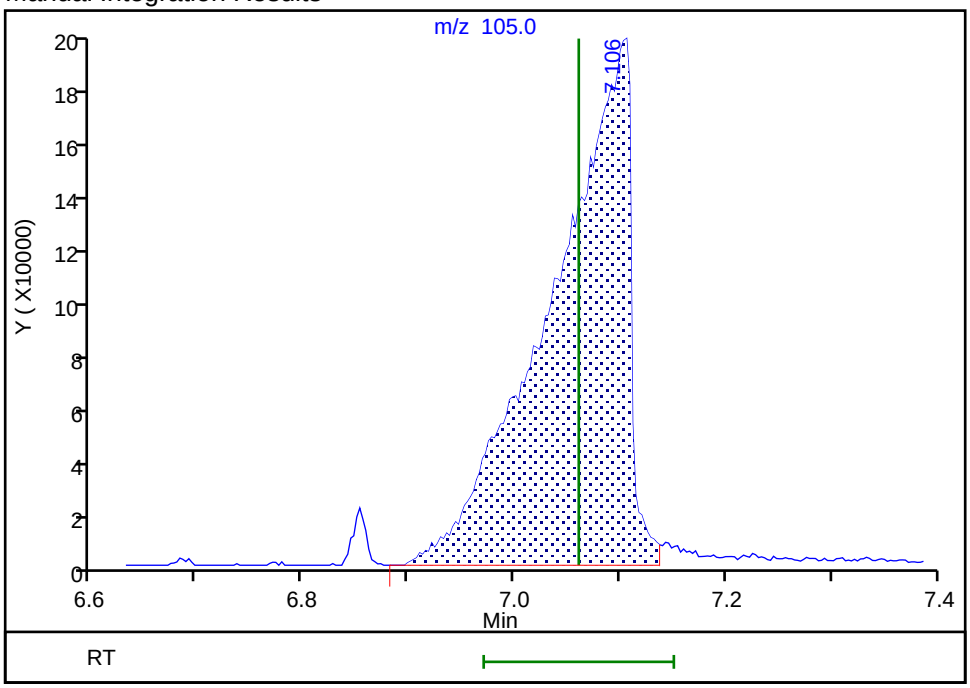
Not Detected
Expected RT: 7.06

Processing Integration Results



RT: 7.11
Area: 1015068
Amount: 229.0831
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 24-Feb-2022 17:07:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

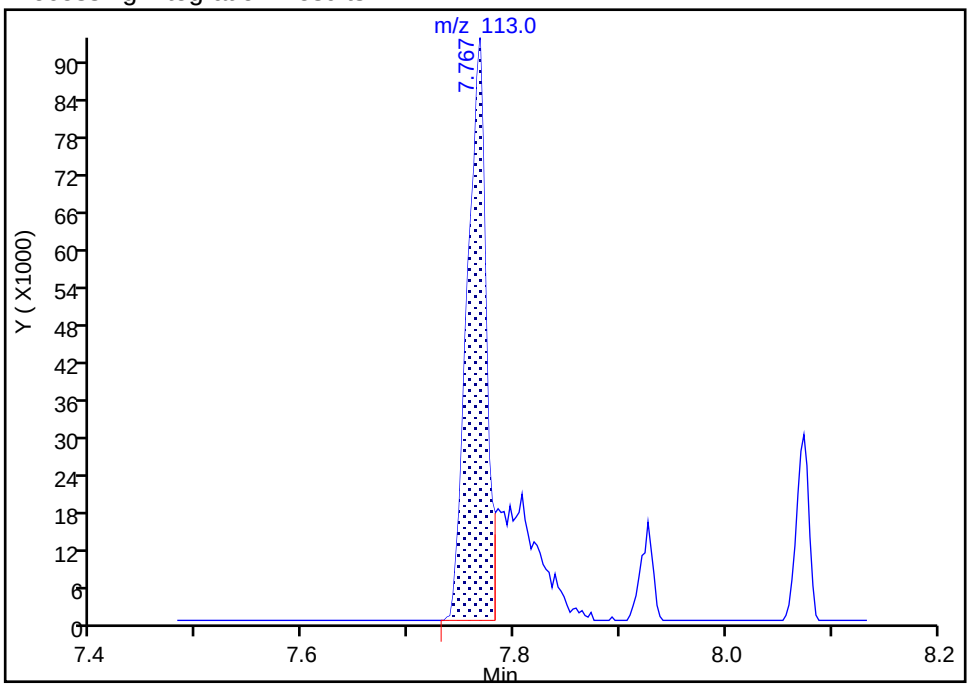
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481067.D				
Injection Date:	24-Feb-2022 13:43:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 80				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

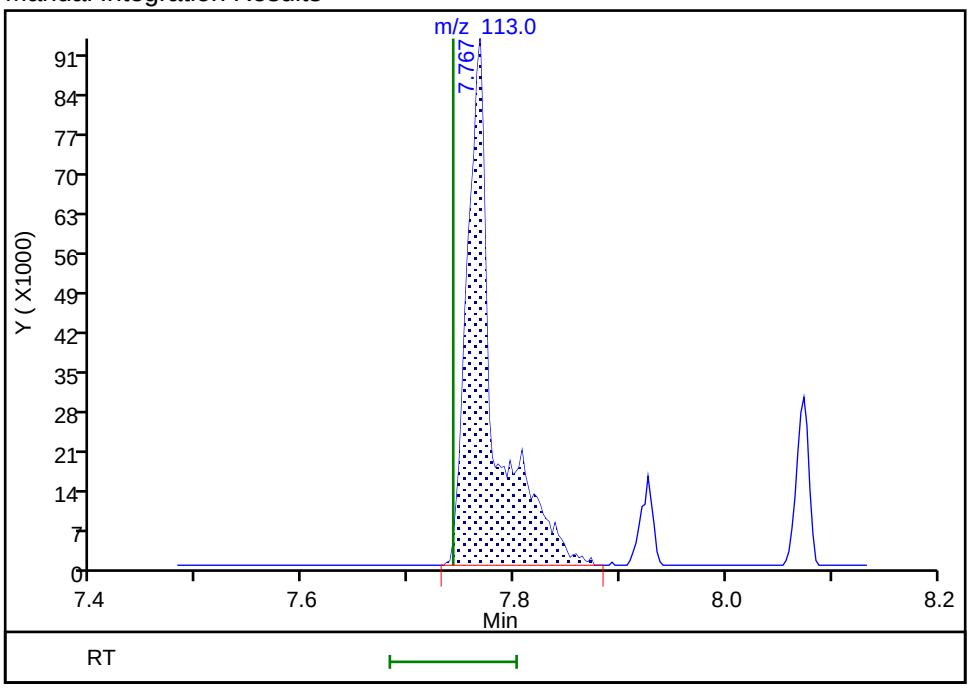
Processing Integration Results

RT: 7.77
Area: 115347
Amount: 62.417279
Amount Units: ng/uL



Manual Integration Results

RT: 7.77
Area: 166214
Amount: 78.112105
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:09:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

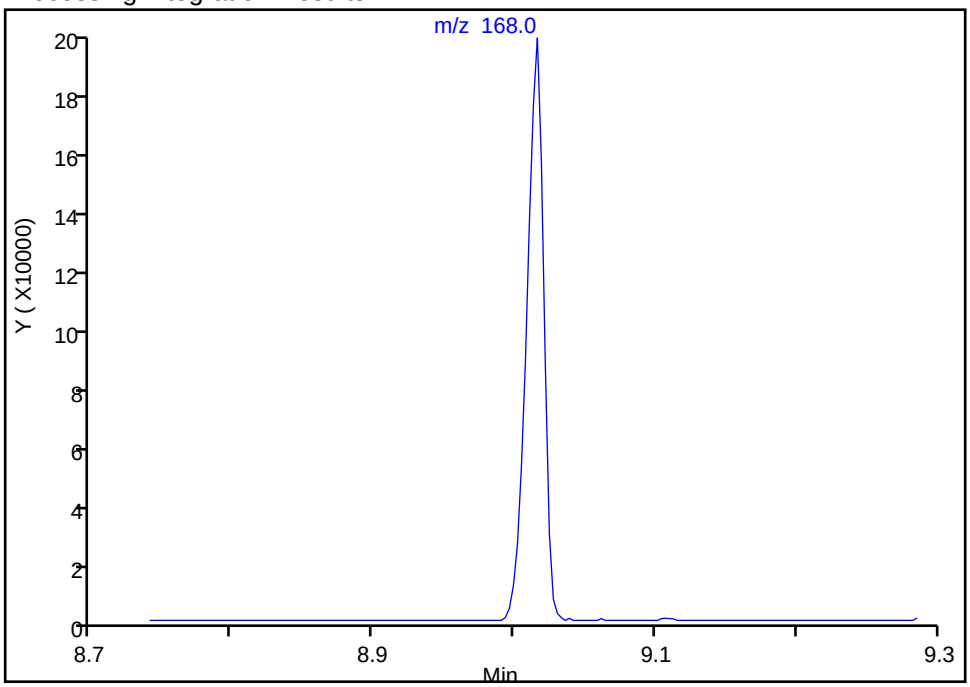
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481067.D				
Injection Date:	24-Feb-2022 13:43:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 80				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

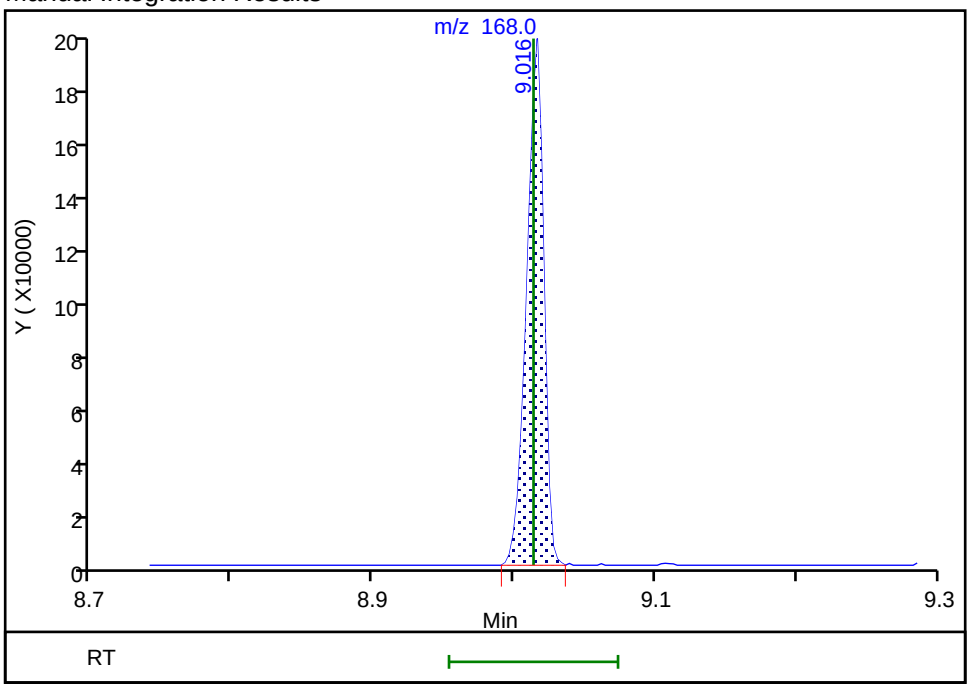
Processing Integration Results

Not Detected
Expected RT: 9.01



Manual Integration Results

RT: 9.02
Area: 163780
Amount: 81.491804
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:07:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481068.D
Lims ID: IC - List 1 - 120
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Feb-2022 14:08:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-009
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:11:10 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:08:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.676	5.673	0.003	95	161412	40.0	40.0	
* 2 Naphthalene-d8	136	7.225	7.223	0.003	99	596615	40.0	40.0	
* 3 Acenaphthene-d10	164	9.291	9.292	-0.001	93	300199	40.0	40.0	
* 4 Phenanthrene-d10	188	10.915	10.912	0.003	96	464236	40.0	40.0	
* 5 Chrysene-d12	240	13.308	13.302	0.006	96	357247	40.0	40.0	
* 6 Perylene-d12	264	14.468	14.466	0.002	93	351528	40.0	40.0	
$ 7 2-Fluorophenol	112	3.941	3.936	0.005	94	693568	120.0	121.6	
$ 8 Phenol-d5	99	5.241	5.233	0.008	96	809456	120.0	118.5	
$ 9 Nitrobenzene-d5	82	6.362	6.360	0.002	90	682988	120.0	123.1	
$ 10 2-Fluorobiphenyl	172	8.519	8.520	-0.001	99	1115773	120.0	115.5	
$ 11 2,4,6-Tribromophenol	330	10.194	10.188	0.006	83	100896	120.0	125.9	
$ 12 p-Terphenyl-d14	244	12.408	12.402	0.006	97	1006831	120.0	117.1	
15 1,4-Dioxane	88	1.688	1.688	0.000	98	301995	120.0	118.3	
16 N-Nitrosodimethylamine	74	1.977	1.977	0.000	93	461699	120.0	115.8	
17 Pyridine	52	2.026	2.026	0.000	86	1103144	240.0	242.9	
27 Benzaldehyde	77	5.111	5.108	0.003	93	314462	120.0	72.4	
28 Phenol	94	5.258	5.250	0.008	98	898339	120.0	117.4	
29 Aniline	93	5.261	5.256	0.005	97	1044332	120.0	118.5	
31 Bis(2-chloroethyl)ether	93	5.358	5.352	0.006	94	681389	120.0	117.2	
32 2-Chlorophenol	128	5.412	5.406	0.006	98	695433	120.0	121.9	
35 n-Decane	57	5.519	5.517	0.002	93	960563	120.0	116.3	
36 1,3-Dichlorobenzene	146	5.605	5.602	0.003	98	736256	120.0	116.9	
37 1,4-Dichlorobenzene	146	5.695	5.696	-0.001	93	744520	120.0	117.5	
38 Benzyl alcohol	108	5.866	5.860	0.006	93	443100	120.0	118.4	
39 1,2-Dichlorobenzene	146	5.886	5.883	0.003	97	690185	120.0	117.2	
229 Indene	115	6.002	5.996	0.006	90	3230195	360.0	340.6	
40 2-Methylphenol	108	6.019	6.013	0.006	95	600871	120.0	120.2	
42 2,2'-oxybis[1-chloropropane]	45	6.045	6.042	0.003	94	1154324	120.0	116.3	
45 Acetophenone	105	6.184	6.178	0.006	95	868105	120.0	119.6	
47 N-Nitrosodi-n-propylamine	70	6.203	6.198	0.005	92	480024	120.0	123.0	
46 4-Methylphenol	108	6.221	6.212	0.008	94	619542	120.0	119.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.303	6.300	0.003	97	293670	120.0	119.4	
52 Nitrobenzene	77	6.388	6.382	0.006	90	666847	120.0	120.1	
56 Isophorone	82	6.686	6.680	0.006	98	1200982	120.0	118.0	
58 2-Nitrophenol	139	6.774	6.771	0.003	94	338764	120.0	126.2	
59 2,4-Dimethylphenol	107	6.856	6.851	0.005	94	621911	120.0	119.7	
62 Bis(2-chloroethoxy)methane	93	6.964	6.961	0.003	97	746677	120.0	116.7	
64 Benzoic acid	105	7.123	7.061	0.062	89	1277728	360.0	369.4	
65 2,4-Dichlorophenol	162	7.066	7.064	0.002	95	491661	120.0	118.7	
67 1,2,4-Trichlorobenzene	180	7.166	7.163	0.003	95	495049	120.0	114.5	
69 Naphthalene	128	7.251	7.248	0.003	98	1748548	120.0	114.0	
71 4-Chloroaniline	127	7.330	7.325	0.005	96	762240	120.0	118.1	
70 2,6-Dichlorophenol	162	7.339	7.336	0.003	97	476056	120.0	118.8	
73 Hexachlorobutadiene	225	7.424	7.424	0.000	98	260966	120.0	117.8	
78 Caprolactam	113	7.779	7.742	0.037	76	202528	120.0	124.4	M
79 4-Chloro-3-methylphenol	107	7.929	7.924	0.005	97	507025	120.0	120.0	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	92	1190545	120.0	119.5	
83 1-Methylnaphthalene	142	8.190	8.190	0.000	93	1089276	120.0	118.5	
85 1,2,4,5-Tetrachlorobenzene	216	8.278	8.278	0.000	96	427370	120.0	115.1	
84 Hexachlorocyclopentadiene	237	8.278	8.281	-0.003	89	307143	120.0	118.1	
86 2,4,6-Trichlorophenol	196	8.417	8.417	0.000	95	313500	120.0	119.7	
87 2,4,5-Trichlorophenol	196	8.454	8.457	-0.003	94	323202	120.0	117.8	
90 1,1'-Biphenyl	154	8.630	8.630	0.000	97	1314685	120.0	113.3	
91 2-Chloronaphthalene	162	8.642	8.642	0.000	98	1019909	120.0	113.6	
93 2-Nitroaniline	65	8.769	8.769	0.000	84	358358	120.0	123.0	
96 Dimethyl phthalate	163	9.008	9.002	0.006	99	1110385	120.0	116.3	
97 1,3-Dinitrobenzene	168	9.019	9.013	0.006	81	193247	120.0	125.3	a
99 2,6-Dinitrotoluene	165	9.062	9.056	0.006	94	281634	120.0	121.4	
100 Acenaphthylene	152	9.124	9.121	0.003	99	1607210	120.0	115.9	
101 3-Nitroaniline	138	9.255	9.249	0.006	94	320003	120.0	120.2	
102 Acenaphthene	153	9.331	9.328	0.003	95	1022726	120.0	113.9	
103 2,4-Dinitrophenol	184	9.374	9.368	0.006	83	254963	240.0	245.0	
104 4-Nitrophenol	109	9.479	9.468	0.011	93	313338	240.0	252.2	
106 2,4-Dinitrotoluene	165	9.530	9.524	0.006	93	356172	120.0	123.3	
107 Dibenzofuran	168	9.533	9.530	0.003	97	1354559	120.0	114.1	
110 2,3,4,6-Tetrachlorophenol	232	9.686	9.683	0.003	78	215379	120.0	121.5	
112 Diethyl phthalate	149	9.836	9.831	0.005	98	1135003	120.0	119.2	
138 Hexadecane	57	9.879	9.873	0.006	90	969199	120.0	116.9	
115 Fluorene	166	9.927	9.925	0.003	93	1088421	120.0	113.8	
116 4-Chlorophenyl phenyl ether	204	9.939	9.936	0.003	96	478116	120.0	116.2	
118 4-Nitroaniline	138	9.970	9.953	0.017	86	296971	120.0	121.6	
119 4,6-Dinitro-2-methylphenol	198	10.001	9.993	0.008	81	333479	240.0	250.5	
121 Diphenylamine	169	10.075	10.069	0.006	93	809333	102.6	103.0	
120 N-Nitrosodiphenylamine	169	10.075	10.069	0.006	97	809333	120.0	120.5	
123 1,2-Diphenylhydrazine	77	10.117	10.112	0.005	98	1179804	120.0	118.2	
122 Azobenzene	77	10.117	10.112	0.005	100	1179804	120.0	118.2	
130 4-Bromophenyl phenyl ether	248	10.467	10.464	0.002	75	250779	120.0	118.5	
131 Hexachlorobenzene	284	10.532	10.526	0.006	89	231255	120.0	117.6	
133 Atrazine	200	10.662	10.654	0.008	87	275341	120.0	119.6	
134 Pentachlorophenol	266	10.739	10.731	0.008	87	269393	240.0	245.5	
113 n-Octadecane	57	10.861	10.858	0.003	92	971245	120.0	119.6	
141 Phenanthrene	178	10.940	10.935	0.005	99	1480750	120.0	115.9	
142 Anthracene	178	10.992	10.986	0.006	99	1511355	120.0	115.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.156	11.151	0.005	97	1400131	120.0	118.4	
145 Di-n-butyl phthalate	149	11.514	11.508	0.006	99	1823515	120.0	118.0	
152 Fluoranthene	202	12.062	12.059	0.003	100	1478067	120.0	121.8	
154 Benzidine	184	12.184	12.181	0.003	99	638773	120.0	104.0	
155 Pyrene	202	12.263	12.258	0.005	95	1518005	120.0	117.4	
162 Butyl benzyl phthalate	149	12.831	12.828	0.003	98	810189	120.0	118.0	
166 3,3'-Dichlorobenzidine	252	13.276	13.271	0.005	76	464319	120.0	120.7	
167 Benzo[a]anthracene	228	13.296	13.293	0.003	98	1385285	120.0	118.2	
172 Bis(2-ethylhexyl) phthalate	149	13.319	13.316	0.003	97	1201807	120.0	118.5	
169 Chrysene	228	13.330	13.325	0.005	97	1275971	120.0	113.0	
168 Di-n-octyl phthalate	149	13.841	13.838	0.003	99	2035297	120.0	119.1	
174 Benzo[b]fluoranthene	252	14.170	14.165	0.005	98	1391422	120.0	121.9	
175 Benzo[k]fluoranthene	252	14.193	14.188	0.005	96	1328813	120.0	116.5	
177 Benzo[a]pyrene	252	14.429	14.423	0.006	82	1317859	120.0	119.0	
180 Indeno[1,2,3-cd]pyrene	276	15.394	15.382	0.012	93	1418138	120.0	124.7	
181 Dibenz(a,h)anthracene	278	15.399	15.388	0.011	91	1231849	120.0	122.6	
182 Benzo[g,h,i]perylene	276	15.658	15.641	0.017	93	1289593	120.0	127.0	
S 237 Total Cresols	1				0			239.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00889	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:11:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481068.D

Injection Date: 24-Feb-2022 14:08:30 Instrument ID: HP5973X Operator ID: JM

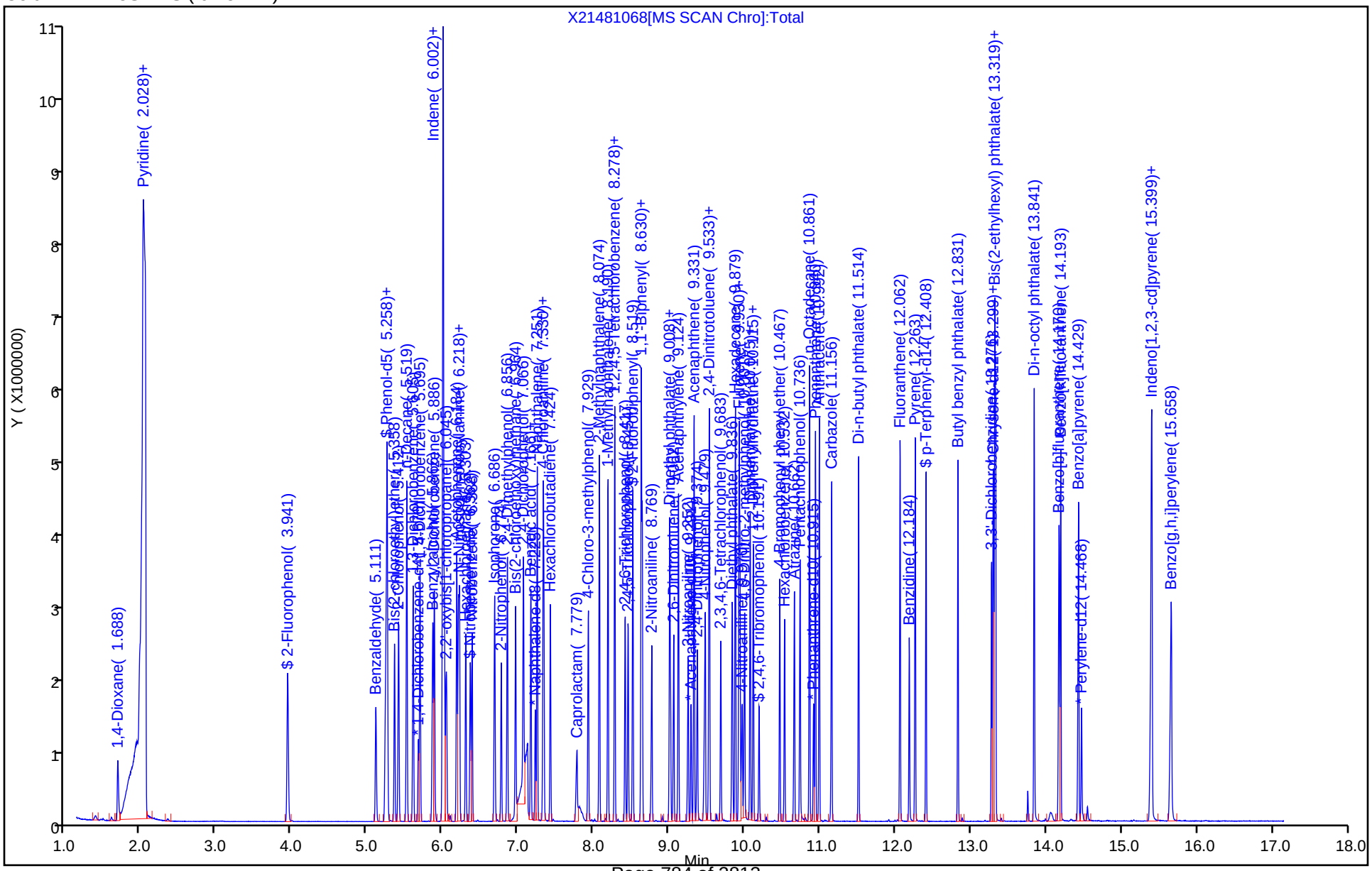
Lims ID: IC - List 1 - 120 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

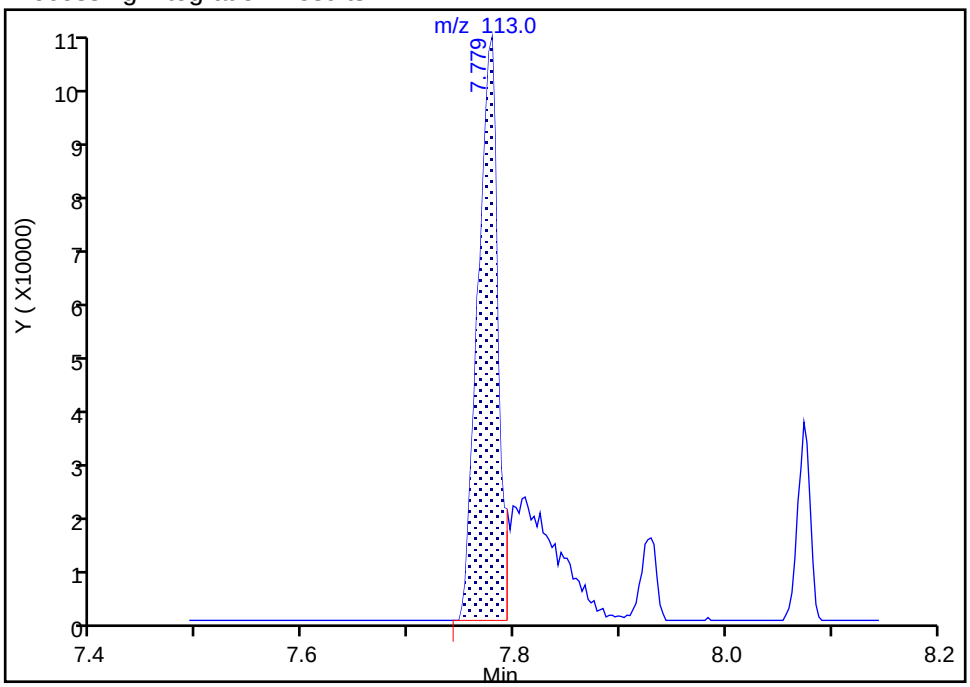
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481068.D				
Injection Date:	24-Feb-2022 14:08:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 120				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

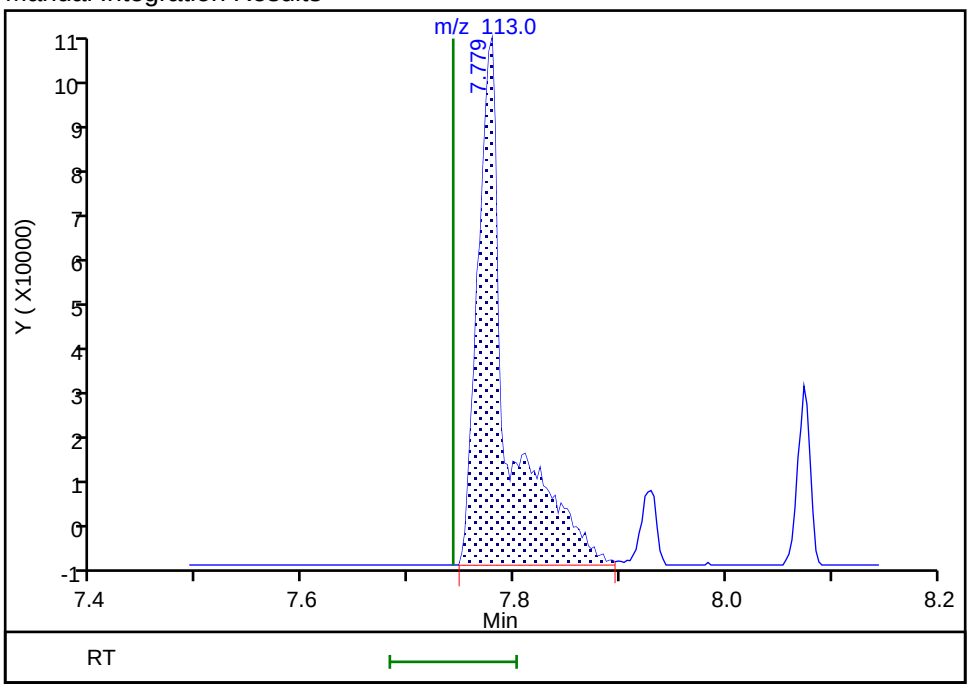
Processing Integration Results

RT: 7.78
Area: 135514
Amount: 101.9259
Amount Units: ng/uL



Manual Integration Results

RT: 7.78
Area: 202528
Amount: 124.4130
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:09:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

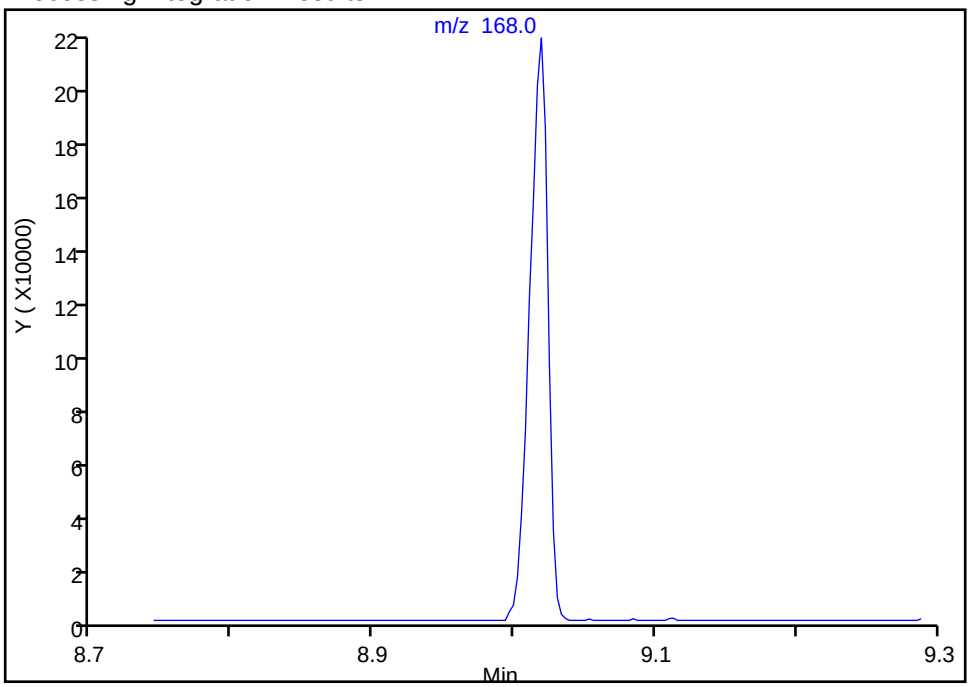
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481068.D				
Injection Date:	24-Feb-2022 14:08:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 120				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

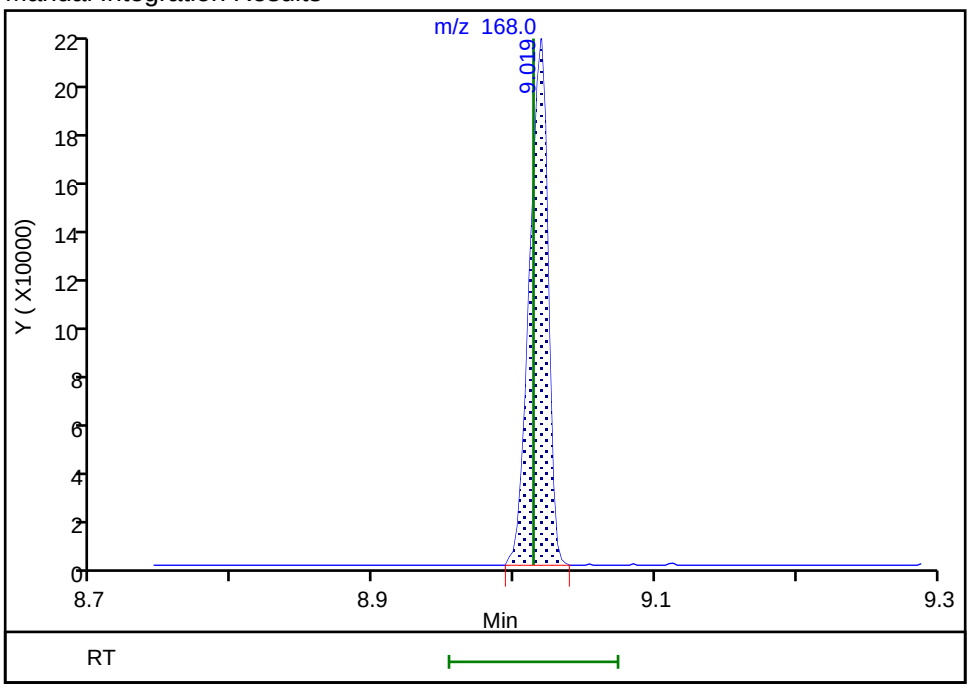
Processing Integration Results

Not Detected
Expected RT: 9.01



Manual Integration Results

RT: 9.02
Area: 193247
Amount: 125.2703
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:07:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481070.D
Lims ID: IC - List 1 - 160
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Feb-2022 15:13:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-010
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:11:15 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 17:08:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.670	5.673	-0.003	95	165334	40.0	40.0	
* 2 Naphthalene-d8	136	7.222	7.223	0.000	99	595312	40.0	40.0	
* 3 Acenaphthene-d10	164	9.289	9.292	-0.003	94	292760	40.0	40.0	
* 4 Phenanthrene-d10	188	10.909	10.912	-0.003	95	460884	40.0	40.0	
* 5 Chrysene-d12	240	13.302	13.302	0.000	97	339370	40.0	40.0	
* 6 Perylene-d12	264	14.460	14.466	-0.006	96	349136	40.0	40.0	
$ 7 2-Fluorophenol	112	3.930	3.936	-0.006	94	942365	160.0	161.3	
$ 8 Phenol-d5	99	5.238	5.233	0.005	98	1068064	160.0	152.6	
$ 9 Nitrobenzene-d5	82	6.362	6.360	0.002	90	888781	160.0	160.5	
$ 10 2-Fluorobiphenyl	172	8.517	8.520	-0.003	99	1452602	160.0	154.3	
$ 11 2,4,6-Tribromophenol	330	10.191	10.188	0.003	82	130151	160.0	163.2	
$ 12 p-Terphenyl-d14	244	12.402	12.402	0.000	97	1277548	160.0	156.4	
15 1,4-Dioxane	88	1.682	1.688	-0.006	96	412480	160.0	158.1	
16 N-Nitrosodimethylamine	74	1.974	1.977	-0.003	92	621922	160.0	152.2	
17 Pyridine	52	2.020	2.026	-0.006	86	1480127	320.0	319.7	
27 Benzaldehyde	77	5.105	5.108	-0.003	92	319361	160.0	71.8	
28 Phenol	94	5.255	5.250	0.005	95	1184612	160.0	151.1	
29 Aniline	93	5.258	5.256	0.002	95	1390226	160.0	154.1	
31 Bis(2-chloroethyl)ether	93	5.355	5.352	0.003	94	905130	160.0	152.0	
32 2-Chlorophenol	128	5.409	5.406	0.003	98	929214	160.0	159.0	
35 n-Decane	57	5.517	5.517	0.000	93	1257386	160.0	148.7	
36 1,3-Dichlorobenzene	146	5.602	5.602	0.000	98	970447	160.0	150.5	
37 1,4-Dichlorobenzene	146	5.693	5.696	-0.003	92	981845	160.0	151.3	
38 Benzyl alcohol	108	5.866	5.860	0.006	93	594791	160.0	155.1	
39 1,2-Dichlorobenzene	146	5.883	5.883	0.000	97	915971	160.0	151.9	
229 Indene	115	6.002	5.996	0.006	90	4130985	480.0	439.2	
40 2-Methylphenol	108	6.016	6.013	0.003	97	789986	160.0	154.2	
42 2,2'-oxybis[1-chloropropane]	45	6.042	6.042	0.000	94	1520224	160.0	149.5	
45 Acetophenone	105	6.184	6.178	0.006	95	1142456	160.0	153.6	
47 N-Nitrosodi-n-propylamine	70	6.206	6.198	0.008	91	635101	160.0	158.9	
46 4-Methylphenol	108	6.220	6.212	0.008	94	818159	160.0	153.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.300	6.300	0.000	98	380814	160.0	151.2	
52 Nitrobenzene	77	6.388	6.382	0.006	90	874473	160.0	157.8	
56 Isophorone	82	6.689	6.680	0.009	98	1585077	160.0	156.1	
58 2-Nitrophenol	139	6.774	6.771	0.003	94	451320	160.0	168.2	
59 2,4-Dimethylphenol	107	6.853	6.851	0.002	94	826763	160.0	159.5	
62 Bis(2-chloroethoxy)methane	93	6.964	6.961	0.003	97	983477	160.0	154.1	
64 Benzoic acid	105	7.140	7.061	0.079	88	1753348	480.0	503.0	
65 2,4-Dichlorophenol	162	7.066	7.064	0.002	96	644605	160.0	155.9	
67 1,2,4-Trichlorobenzene	180	7.166	7.163	0.003	95	649013	160.0	150.5	
69 Naphthalene	128	7.251	7.248	0.003	98	2257893	160.0	147.6	
71 4-Chloroaniline	127	7.330	7.325	0.005	97	997646	160.0	154.9	
70 2,6-Dichlorophenol	162	7.339	7.336	0.003	97	621737	160.0	155.4	
73 Hexachlorobutadiene	225	7.424	7.424	0.000	97	346972	160.0	157.0	
78 Caprolactam	113	7.790	7.742	0.048	77	262942	160.0	161.7	M
79 4-Chloro-3-methylphenol	107	7.929	7.924	0.005	97	667052	160.0	158.0	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	92	1532754	160.0	154.1	
83 1-Methylnaphthalene	142	8.187	8.190	-0.003	94	1414740	160.0	154.2	
85 1,2,4,5-Tetrachlorobenzene	216	8.278	8.278	0.000	96	559845	160.0	154.8	
84 Hexachlorocyclopentadiene	237	8.278	8.281	-0.003	90	402571	160.0	158.7	
86 2,4,6-Trichlorophenol	196	8.417	8.417	0.000	94	408822	160.0	159.8	
87 2,4,5-Trichlorophenol	196	8.454	8.457	-0.003	93	433157	160.0	161.7	
90 1,1'-Biphenyl	154	8.630	8.630	0.000	97	1686650	160.0	149.1	
91 2-Chloronaphthalene	162	8.641	8.642	-0.001	98	1319326	160.0	150.7	
93 2-Nitroaniline	65	8.769	8.769	0.000	84	469236	160.0	164.9	
96 Dimethyl phthalate	163	9.008	9.002	0.006	99	1433658	160.0	154.0	
97 1,3-Dinitrobenzene	168	9.019	9.013	0.006	83	261735	160.0	169.5	a
99 2,6-Dinitrotoluene	165	9.062	9.056	0.006	95	364981	160.0	161.1	
100 Acenaphthylene	152	9.124	9.121	0.003	98	2068341	160.0	152.9	
101 3-Nitroaniline	138	9.255	9.249	0.006	93	420673	160.0	161.7	
102 Acenaphthene	153	9.328	9.328	0.000	95	1303106	160.0	148.8	
103 2,4-Dinitrophenol	184	9.377	9.368	0.009	84	349704	320.0	340.6	
104 4-Nitrophenol	109	9.482	9.468	0.014	93	412206	320.0	339.1	
106 2,4-Dinitrotoluene	165	9.530	9.524	0.006	91	456881	160.0	161.9	
107 Dibenzofuran	168	9.533	9.530	0.003	96	1739912	160.0	150.2	
110 2,3,4,6-Tetrachlorophenol	232	9.683	9.683	0.000	78	292822	160.0	168.9	
112 Diethyl phthalate	149	9.834	9.831	0.003	98	1467178	160.0	157.9	
138 Hexadecane	57	9.876	9.873	0.003	91	1242245	160.0	153.6	
115 Fluorene	166	9.924	9.925	0.000	94	1399586	160.0	150.1	
116 4-Chlorophenyl phenyl ether	204	9.936	9.936	0.000	97	611180	160.0	152.3	
118 4-Nitroaniline	138	9.973	9.953	0.020	87	398853	160.0	167.2	
119 4,6-Dinitro-2-methylphenol	198	10.004	9.993	0.011	78	434439	320.0	326.2	
121 Diphenylamine	169	10.072	10.069	0.003	93	1042700	136.8	133.7	
120 N-Nitrosodiphenylamine	169	10.072	10.069	0.003	97	1042700	160.0	156.3	
123 1,2-Diphenylhydrazine	77	10.112	10.112	0.000	97	1506331	160.0	152.0	
122 Azobenzene	77	10.112	10.112	0.000	99	1506331	160.0	152.0	
130 4-Bromophenyl phenyl ether	248	10.464	10.464	0.000	74	321565	160.0	153.1	
131 Hexachlorobenzene	284	10.526	10.526	0.000	89	301344	160.0	154.3	
133 Atrazine	200	10.659	10.654	0.005	88	350487	160.0	156.1	
134 Pentachlorophenol	266	10.733	10.731	0.002	86	358449	320.0	327.8	
113 n-Octadecane	57	10.855	10.858	-0.003	92	1231236	160.0	152.7	
141 Phenanthrene	178	10.935	10.935	0.000	99	1869402	160.0	147.4	
142 Anthracene	178	10.989	10.986	0.003	99	1936488	160.0	148.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.150	11.151	-0.001	97	1759732	160.0	149.8	
145 Di-n-butyl phthalate	149	11.508	11.508	0.000	99	2312463	160.0	150.6	
152 Fluoranthene	202	12.059	12.059	0.000	100	1875956	160.0	155.7	
154 Benzidine	184	12.181	12.181	0.000	99	726651	160.0	124.5	
155 Pyrene	202	12.260	12.258	0.002	95	1902747	160.0	155.0	
162 Butyl benzyl phthalate	149	12.828	12.828	0.000	98	1047503	160.0	160.4	
166 3,3'-Dichlorobenzidine	252	13.273	13.271	0.002	76	574024	160.0	156.9	
167 Benzo[a]anthracene	228	13.293	13.293	0.000	98	1763761	160.0	158.5	
172 Bis(2-ethylhexyl) phthalate	149	13.313	13.316	-0.003	97	1515094	160.0	157.1	
169 Chrysene	228	13.327	13.325	0.002	97	1616077	160.0	150.7	
168 Di-n-octyl phthalate	149	13.835	13.838	-0.003	99	2550032	160.0	156.8	
174 Benzo[b]fluoranthene	252	14.168	14.165	0.003	98	1737000	160.0	153.2	
175 Benzo[k]fluoranthene	252	14.190	14.188	0.002	95	1677310	160.0	148.0	
177 Benzo[a]pyrene	252	14.423	14.423	0.000	82	1666492	160.0	151.4	
180 Indeno[1,2,3-cd]pyrene	276	15.385	15.382	0.003	91	1805422	160.0	159.8	
181 Dibenz(a,h)anthracene	278	15.394	15.388	0.006	91	1565740	160.0	156.9	
182 Benzo[g,h,i]perylene	276	15.649	15.641	0.008	96	1618905	160.0	160.5	
S 237 Total Cresols	1				0			308.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

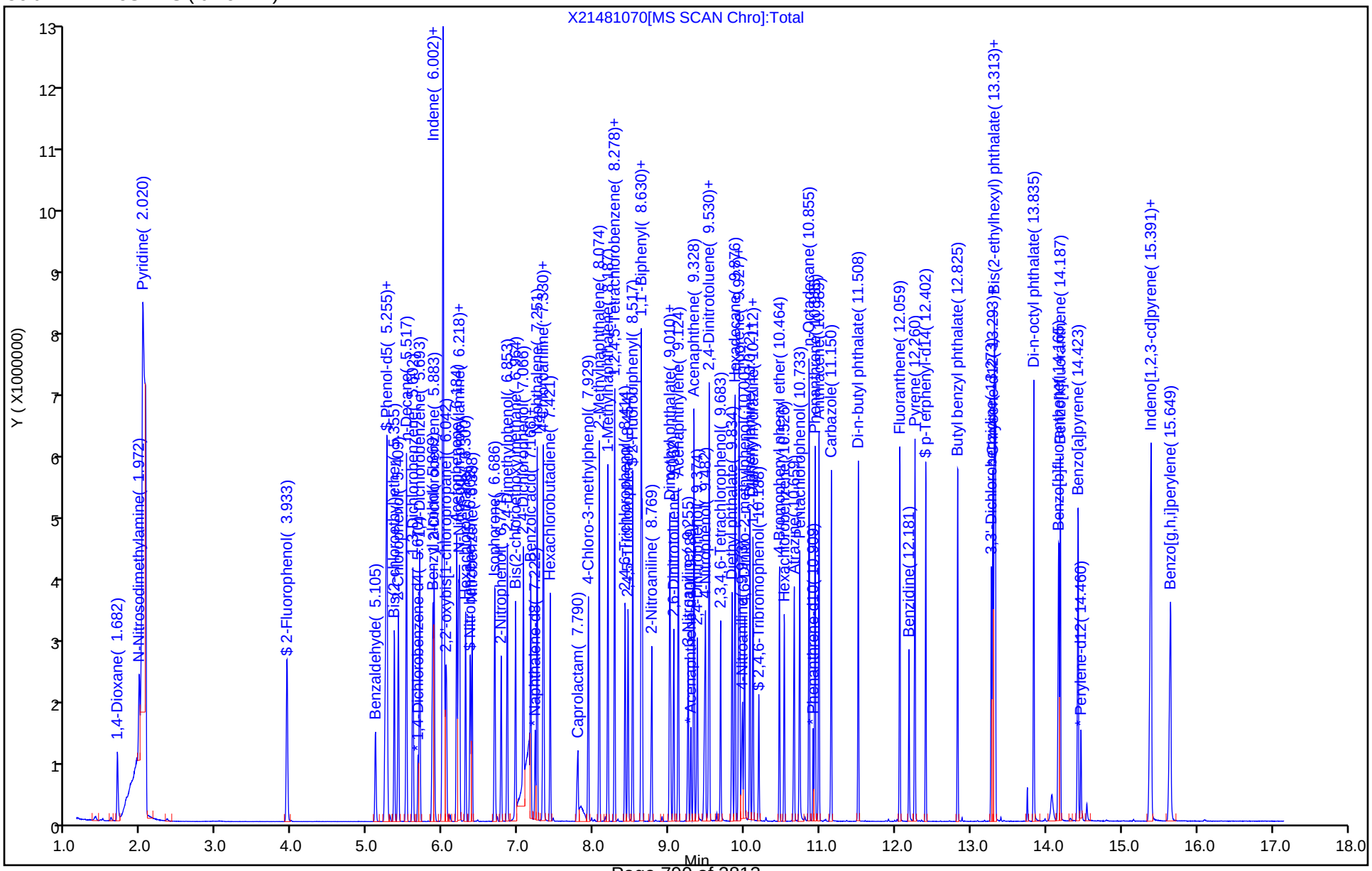
MB_LIST1_WRK_00890	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:11:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481070.D				
Injection Date:	24-Feb-2022 15:13:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 160			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

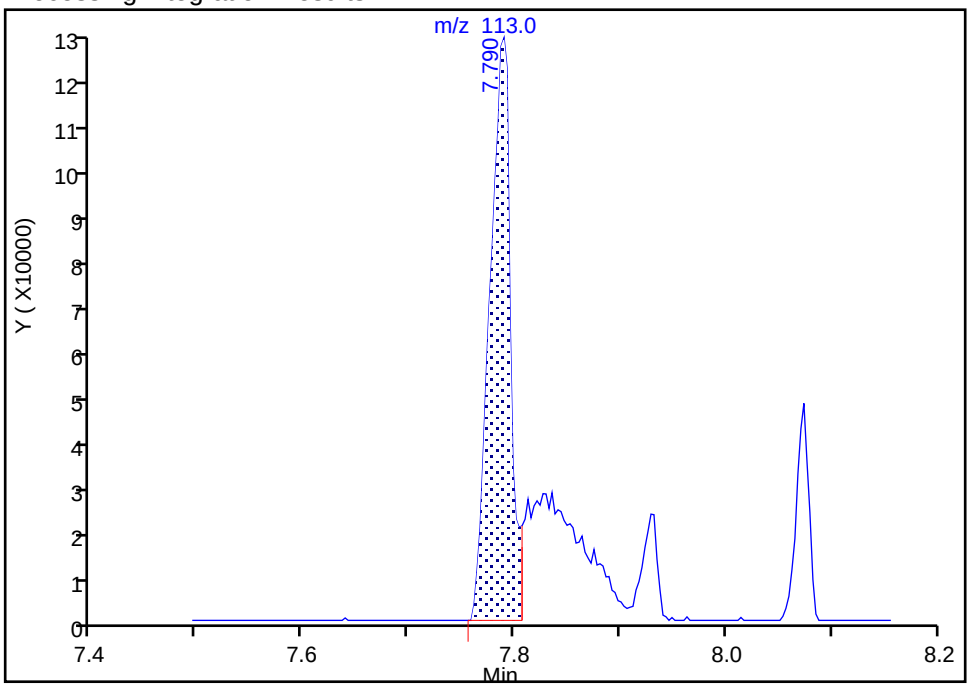
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481070.D				
Injection Date:	24-Feb-2022 15:13:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 160				
Client ID:					
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

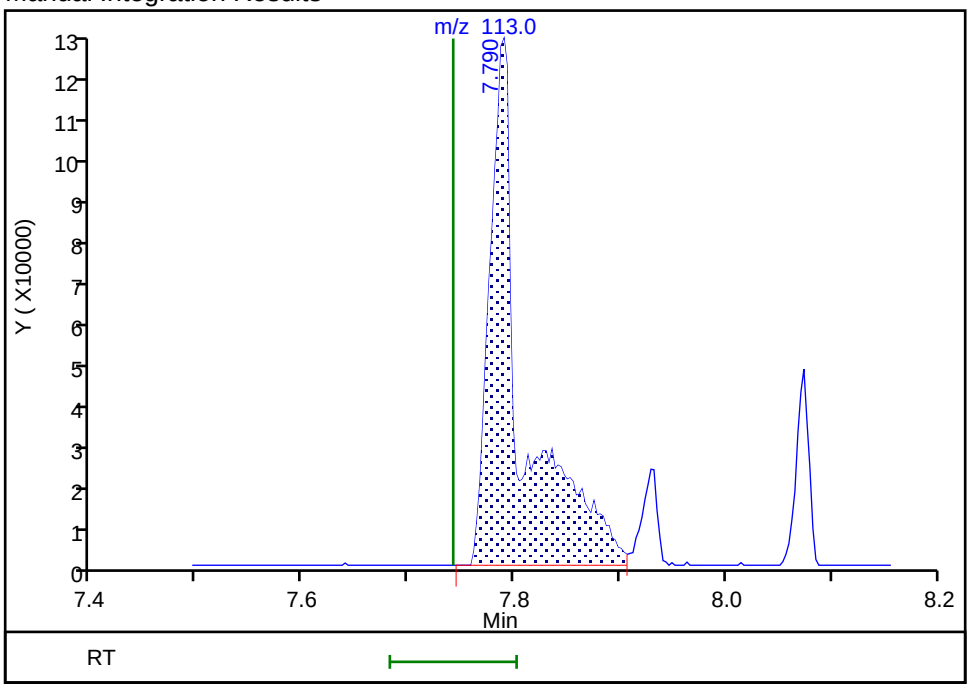
Processing Integration Results

RT: 7.79
Area: 165058
Amount: 133.1936
Amount Units: ng/uL



Manual Integration Results

RT: 7.79
Area: 262942
Amount: 161.6817
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:09:03

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

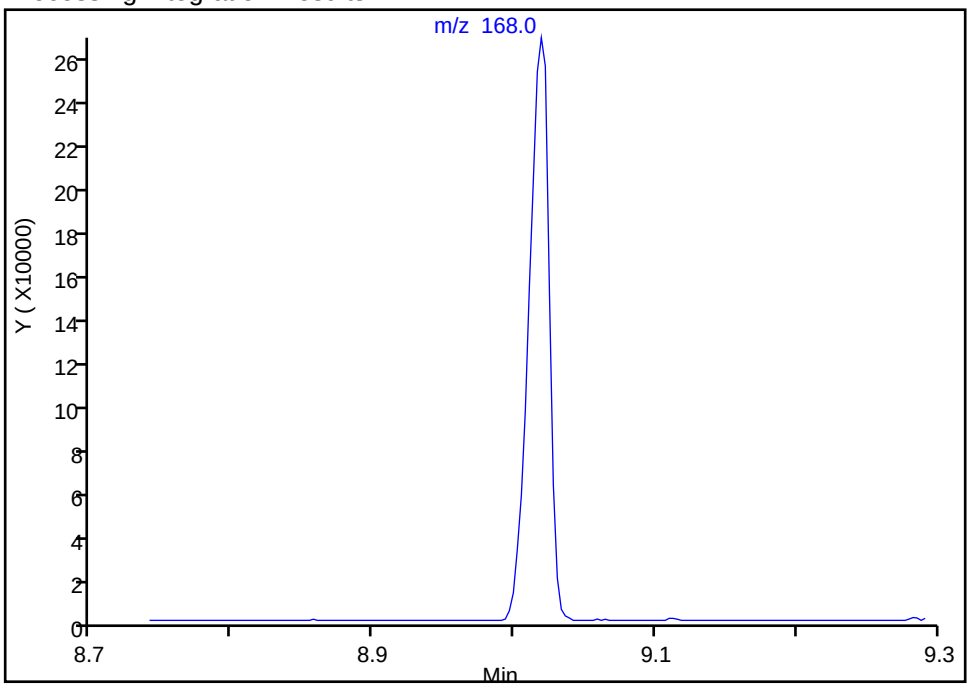
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481070.D				
Injection Date:	24-Feb-2022 15:13:30	Instrument ID:	HP5973X		
Lims ID:	IC - List 1 - 160				
Client ID:					
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

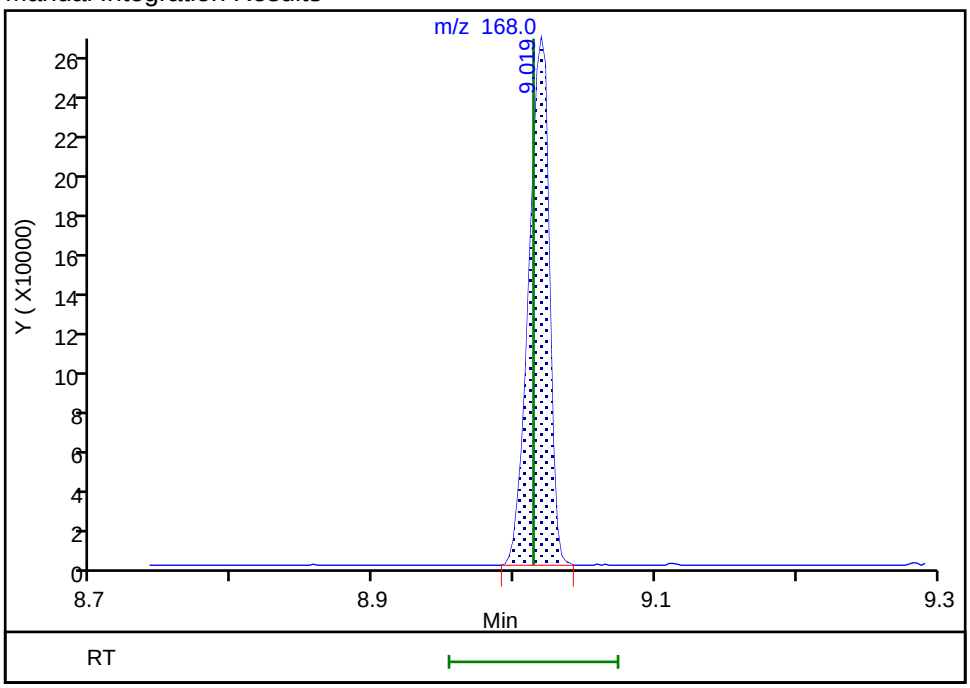
Processing Integration Results

Not Detected
Expected RT: 9.01



Manual Integration Results

RT: 9.02
Area: 261735
Amount: 169.5069
Amount Units: ng/uL



Reviewer: marshallj, 24-Feb-2022 17:08:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615912/11 Calibration Date: 02/24/2022 15:37

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481071.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6485	0.0100	50800	50000	1.6	30.0
N-Nitrosodimethylamine	Ave	0.9884	0.9760	0.0100	49400	50000	-1.3	50.0
Pyridine	Lin1		1.137	0.0100	98200	100000	-1.8	50.0
Benzaldehyde	Ave	1.076	0.9484	0.0100	44100	50000	-11.9	50.0
Phenol	Ave	1.897	1.928	0.8000	50800	50000	1.7	30.0
Aniline	Ave	2.183	2.131	0.0100	48800	50000	-2.4	30.0
Bis(2-chloroethyl)ether	Ave	1.441	1.461	0.7000	50700	50000	1.4	30.0
2-Chlorophenol	Ave	1.414	1.480	0.8000	52400	50000	4.7	30.0
n-Decane	Ave	2.046	2.102	0.0100	51400	50000	2.7	30.0
1,3-Dichlorobenzene	Ave	1.560	1.603	0.0100	51400	50000	2.7	30.0
1,4-Dichlorobenzene	Ave	1.570	1.600	0.0100	51000	50000	2.0	30.0
Benzyl alcohol	Lin2		0.9108	0.0100	49400	50000	-1.3	30.0
1,2-Dichlorobenzene	Ave	1.459	1.504	0.0100	51500	50000	3.1	30.0
2-Methylphenol	Ave	1.239	1.270	0.7000	51300	50000	2.5	30.0
bis (2-chloroisopropyl) ether	Ave	2.460	2.525	0.0100	51300	50000	2.7	30.0
Acetophenone	Ave	1.799	1.857	0.0100	51600	50000	3.2	30.0
N-Nitrosodi-n-propylamine	Ave	0.9671	0.9936	0.5000	51400	50000	2.7	30.0
4-Methylphenol	Ave	1.286	1.314	0.6000	51100	50000	2.2	30.0
Hexachloroethane	Ave	0.6094	0.6188	0.3000	50800	50000	1.5	30.0
Nitrobenzene	Ave	0.3723	0.3857	0.2000	51800	50000	3.6	30.0
Isophorone	Ave	0.6822	0.6843	0.4000	50200	50000	0.3	30.0
2-Nitrophenol	Lin2		0.1935	0.1000	54200	50000	8.3	30.0
2,4-Dimethylphenol	Ave	0.3482	0.3437	0.2000	49400	50000	-1.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.4289	0.4364	0.3000	50900	50000	1.8	30.0
Benzoic acid	Lin1		0.2282	0.0100	156000	150000	3.7	50.0
2,4-Dichlorophenol	Lin2		0.2828	0.2000	51200	50000	2.4	30.0
1,2,4-Trichlorobenzene	Ave	0.2898	0.3050	0.0100	52600	50000	5.2	30.0
Naphthalene	Lin2		1.045	0.7000	50800	50000	1.6	30.0
4-Chloroaniline	Ave	0.4326	0.4146	0.0100	47900	50000	-4.2	30.0
2,6-Dichlorophenol	Lin2		0.2789	0.0100	52100	50000	4.2	30.0
Hexachlorobutadiene	Ave	0.1485	0.1607	0.0100	54100	50000	8.2	30.0
Caprolactam	Lin2		0.1118	0.0100	51600	50000	3.2	50.0
4-Chloro-3-methylphenol	Lin2		0.2945	0.2000	52200	50000	4.4	30.0
2-Methylnaphthalene	Ave	0.6682	0.6693	0.4000	50100	50000	0.2	30.0
1-Methylnaphthalene	Ave	0.6163	0.6241	0.0100	50600	50000	1.3	30.0
1,2,4,5-Tetrachlorobenzene	Lin2		0.5184	0.0100	52200	50000	4.4	30.0
Hexachlorocyclopentadiene	Ave	0.3465	0.3467	0.0500	50000	50000	0.0	30.0
2,4,6-Trichlorophenol	Lin2		0.3437	0.2000	49700	50000	-0.6	30.0
2,4,5-Trichlorophenol	Lin2		0.3796	0.2000	52300	50000	4.5	30.0
Biphenyl	Ave	1.546	1.568	0.0100	50700	50000	1.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615912/11 Calibration Date: 02/24/2022 15:37

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481071.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.196	1.219	0.8000	51000	50000	1.9	30.0
2-Nitroaniline	Lin2		0.3914	0.0100	50900	50000	1.9	30.0
Dimethyl phthalate	Ave	1.272	1.309	0.0100	51400	50000	2.9	30.0
1,3-Dinitrobenzene	Lin2		0.1063	0.0100	52300	50000	4.5	30.0
2,6-Dinitrotoluene	Lin2		0.3109	0.2000	50800	50000	1.7	30.0
Acenaphthylene	Ave	1.848	1.886	0.9000	51000	50000	2.0	30.0
3-Nitroaniline	Lin2		0.3336	0.0100	47500	50000	-4.9	30.0
Acenaphthene	Ave	1.197	1.200	0.9000	50100	50000	0.3	30.0
2,4-Dinitrophenol	Lin1		0.1381	0.0100	105000	100000	5.4	30.0
4-Nitrophenol	Lin2		0.1650	0.0100	102000	100000	1.5	30.0
2,4-Dinitrotoluene	Lin2		0.4023	0.2000	52800	50000	5.6	30.0
Dibenzofuran	Ave	1.582	1.619	0.8000	51100	50000	2.3	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2502	0.0100	53500	50000	7.1	30.0
Diethyl phthalate	Ave	1.269	1.299	0.0100	51200	50000	2.3	30.0
Hexadecane	Ave	1.105	1.148	0.0100	52000	50000	3.9	30.0
Fluorene	Lin2		1.257	0.9000	49300	50000	-1.3	30.0
4-Chlorophenyl phenyl ether	Ave	0.5483	0.5607	0.4000	51100	50000	2.3	30.0
4-Nitroaniline	Lin2		0.3398	0.0100	52600	50000	5.2	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.1183	0.0100	108000	100000	8.0	30.0
Diphenylamine	Ave	0.6771	0.7113	0.0100	44900	42800	5.1	30.0
N-Nitrosodiphenylamine	Ave	0.5789	0.6082	0.0100	52500	50000	5.1	30.0
1,2-Diphenylhydrazine	Ave	0.8604	0.9074	0.0100	52700	50000	5.5	30.0
4-Bromophenyl phenyl ether	Ave	0.1823	0.1843	0.1000	50600	50000	1.1	30.0
Hexachlorobenzene	Ave	0.1695	0.1753	0.1000	51700	50000	3.4	30.0
Atrazine	Ave	0.3069	0.3125	0.0100	50900	50000	1.8	30.0
Pentachlorophenol	Lin1		0.0938	0.0500	101000	100000	1.3	30.0
n-Octadecane	Ave	0.6999	0.7380	0.0100	52700	50000	5.4	30.0
Phenanthrene	Ave	1.101	1.121	0.7000	50900	50000	1.8	30.0
Anthracene	Lin2		1.146	0.7000	50800	50000	1.5	30.0
Carbazole	Ave	1.019	1.045	0.0100	51300	50000	2.5	30.0
Di-n-butyl phthalate	Lin2		1.372	0.0100	51700	50000	3.4	30.0
Fluoranthene	Ave	1.046	1.079	0.6000	51600	50000	3.2	30.0
Benzidine	Ave	0.6877	0.4884	0.0100	35500	50000	-29.0	50.0
Pyrene	Ave	1.447	1.484	0.6000	51300	50000	2.5	30.0
Butyl benzyl phthalate	Lin2		0.8076	0.0100	52800	50000	5.7	30.0
3,3'-Dichlorobenzidine	Lin2		0.4158	0.0100	48500	50000	-3.0	50.0
Benzo[a]anthracene	Ave	1.312	1.373	0.8000	52300	50000	4.6	30.0
Bis(2-ethylhexyl) phthalate	Lin2		1.166	0.0100	51600	50000	3.2	30.0
Chrysene	Ave	1.264	1.272	0.7000	50300	50000	0.7	30.0
Di-n-octyl phthalate	Lin2		1.962	0.0100	51800	50000	3.5	30.0
Benzo[b]fluoranthene	Ave	1.299	1.376	0.7000	53000	50000	5.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615912/11 Calibration Date: 02/24/2022 15:37

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481071.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.298	1.343	0.7000	51700	50000	3.5	30.0
Benzo[a]pyrene	Lin2		1.236	0.7000	49100	50000	-1.8	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.385	0.5000	53500	50000	7.1	30.0
Dibenz(a,h)anthracene	Lin2		1.181	0.4000	51800	50000	3.5	30.0
Benzo[g,h,i]perylene	Lin2		1.197	0.5000	51800	50000	3.7	30.0
2-Fluorophenol	Ave	1.413	1.439	0.0100	102000	100000	1.8	30.0
Phenol-d5	Lin2		1.681	0.0100	99400	100000	-0.6	30.0
Nitrobenzene-d5	Ave	0.3720	0.3840	0.0100	51600	50000	3.2	30.0
2-Fluorobiphenyl	Lin2		1.336	0.0100	51700	50000	3.4	30.0
2,4,6-Tribromophenol	Lin2		0.0716	0.0100	104000	100000	3.8	30.0
p-Terphenyl-d14	Ave	0.9625	0.9579	0.0100	49800	50000	-0.5	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481071.D
Lims ID: ICV - List 1 - 50
Client ID:
Sample Type: ICV
Inject. Date: 24-Feb-2022 15:37:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-011
Operator ID: JM Instrument ID: HP5973X
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:13:20 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 25-Feb-2022 09:11:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.670	5.678	-0.008	96	188108	40.0	40.0	
* 2 Naphthalene-d8	136	7.220	7.225	-0.005	99	684923	40.0	40.0	
* 3 Acenaphthene-d10	164	9.286	9.292	-0.006	94	336136	40.0	40.0	
* 4 Phenanthrene-d10	188	10.906	10.912	-0.006	98	517864	40.0	40.0	
* 5 Chrysene-d12	240	13.299	13.299	0.000	98	384401	40.0	40.0	
* 6 Perylene-d12	264	14.463	14.466	-0.003	94	365101	40.0	40.0	
$ 7 2-Fluorophenol	112	3.936	3.936	0.000	94	676824	100.0	101.8	
$ 8 Phenol-d5	99	5.233	5.233	0.000	98	790440	100.0	99.4	
$ 9 Nitrobenzene-d5	82	6.354	6.360	-0.006	90	328738	50.0	51.6	
$ 10 2-Fluorobiphenyl	172	8.514	8.520	-0.006	99	561485	50.0	51.7	
$ 11 2,4,6-Tribromophenol	330	10.186	10.188	-0.002	82	92637	100.0	103.8	
$ 12 p-Terphenyl-d14	244	12.399	12.402	-0.003	97	460275	50.0	49.8	
15 1,4-Dioxane	88	1.685	1.688	-0.003	95	152486	50.0	50.8	
16 N-Nitrosodimethylamine	74	1.972	1.977	-0.005	94	229488	50.0	49.4	
17 Pyridine	52	2.023	2.026	-0.003	86	534870	100.0	98.2	
27 Benzaldehyde	77	5.105	5.108	-0.003	93	223013	50.0	44.1	
28 Phenol	94	5.250	5.250	0.000	91	453452	50.0	50.8	
29 Aniline	93	5.253	5.256	-0.003	83	501099	50.0	48.8	
31 Bis(2-chloroethyl)ether	93	5.349	5.352	-0.003	95	343566	50.0	50.7	
32 2-Chlorophenol	128	5.403	5.406	-0.003	98	348013	50.0	52.4	
35 n-Decane	57	5.514	5.517	-0.003	94	494231	50.0	51.4	
36 1,3-Dichlorobenzene	146	5.599	5.602	-0.003	98	376858	50.0	51.4	
37 1,4-Dichlorobenzene	146	5.690	5.696	-0.006	93	376324	50.0	51.0	
38 Benzyl alcohol	108	5.854	5.860	-0.006	93	214154	50.0	49.4	
39 1,2-Dichlorobenzene	146	5.880	5.883	-0.003	97	353632	50.0	51.5	
229 Indene	115	5.993	5.996	-0.003	90	1750535	150.0	164.7	
40 2-Methylphenol	108	6.010	6.013	-0.003	97	298684	50.0	51.3	
42 2,2'-oxybis[1-chloropropane]	45	6.042	6.042	0.000	94	593780	50.0	51.3	
45 Acetophenone	105	6.175	6.178	-0.003	95	436652	50.0	51.6	
47 N-Nitrosodi-n-propylamine	70	6.195	6.198	-0.003	94	233622	50.0	51.4	
46 4-Methylphenol	108	6.209	6.212	-0.003	96	308993	50.0	51.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.297	6.300	-0.003	97	145503	50.0	50.8	
52 Nitrobenzene	77	6.379	6.382	-0.003	91	330223	50.0	51.8	
56 Isophorone	82	6.675	6.680	-0.005	98	585825	50.0	50.2	
58 2-Nitrophenol	139	6.768	6.771	-0.003	93	165635	50.0	54.2	
59 2,4-Dimethylphenol	107	6.848	6.851	-0.003	94	294297	50.0	49.4	
62 Bis(2-chloroethoxy)methane	93	6.956	6.961	-0.005	97	373646	50.0	50.9	
64 Benzoic acid	105	7.058	7.061	-0.003	90	586047	150.0	155.6	
65 2,4-Dichlorophenol	162	7.061	7.064	-0.003	96	242163	50.0	51.2	
67 1,2,4-Trichlorobenzene	180	7.160	7.163	-0.003	94	261143	50.0	52.6	
69 Naphthalene	128	7.245	7.248	-0.003	98	894834	50.0	50.8	
71 4-Chloroaniline	127	7.322	7.325	-0.003	97	354955	50.0	47.9	
70 2,6-Dichlorophenol	162	7.330	7.336	-0.006	97	238798	50.0	52.1	
73 Hexachlorobutadiene	225	7.421	7.424	-0.003	97	137619	50.0	54.1	
78 Caprolactam	113	7.736	7.742	-0.006	76	95700	50.0	51.6	M
79 4-Chloro-3-methylphenol	107	7.918	7.924	-0.006	98	252143	50.0	52.2	
82 2-Methylnaphthalene	142	8.071	8.074	-0.003	92	573008	50.0	50.1	
83 1-Methylnaphthalene	142	8.185	8.190	-0.005	93	534329	50.0	50.6	
85 1,2,4,5-Tetrachlorobenzene	216	8.273	8.278	-0.005	96	217822	50.0	52.2	
84 Hexachlorocyclopentadiene	237	8.273	8.281	-0.008	84	145689	50.0	50.0	
86 2,4,6-Trichlorophenol	196	8.412	8.417	-0.005	94	144411	50.0	49.7	
87 2,4,5-Trichlorophenol	196	8.449	8.457	-0.008	95	159488	50.0	52.3	
90 1,1'-Biphenyl	154	8.625	8.630	-0.006	97	658968	50.0	50.7	
91 2-Chloronaphthalene	162	8.636	8.642	-0.006	97	512056	50.0	51.0	
93 2-Nitroaniline	65	8.764	8.769	-0.005	87	164435	50.0	50.9	
96 Dimethyl phthalate	163	8.999	9.002	-0.003	99	549813	50.0	51.4	
97 1,3-Dinitrobenzene	168	9.011	9.013	-0.003	89	91009	50.0	52.3	
99 2,6-Dinitrotoluene	165	9.053	9.056	-0.003	94	130614	50.0	50.8	
100 Acenaphthylene	152	9.118	9.121	-0.003	98	792415	50.0	51.0	
101 3-Nitroaniline	138	9.243	9.249	-0.006	93	140158	50.0	47.5	
102 Acenaphthene	153	9.326	9.328	-0.002	95	504199	50.0	50.1	
103 2,4-Dinitrophenol	184	9.365	9.368	-0.003	84	116011	100.0	105.4	
104 4-Nitrophenol	109	9.465	9.468	-0.003	93	138629	100.0	101.5	
106 2,4-Dinitrotoluene	165	9.521	9.524	-0.003	92	169019	50.0	52.8	
107 Dibenzofuran	168	9.527	9.530	-0.003	96	680111	50.0	51.1	
110 2,3,4,6-Tetrachlorophenol	232	9.680	9.683	-0.003	71	105145	50.0	53.5	
112 Diethyl phthalate	149	9.828	9.831	-0.003	98	545592	50.0	51.2	
138 Hexadecane	57	9.870	9.873	-0.003	90	482457	50.0	52.0	
115 Fluorene	166	9.919	9.925	-0.005	93	528079	50.0	49.3	
116 4-Chlorophenyl phenyl ether	204	9.933	9.936	-0.003	94	235589	50.0	51.1	
118 4-Nitroaniline	138	9.950	9.953	-0.003	87	142759	50.0	52.6	
119 4,6-Dinitro-2-methylphenol	198	9.987	9.993	-0.006	77	153175	100.0	108.0	
121 Diphenylamine	169	10.066	10.069	-0.003	93	393705	42.8	44.9	
120 N-Nitrosodiphenylamine	169	10.066	10.069	-0.003	97	393705	50.0	52.5	
123 1,2-Diphenylhydrazine	77	10.106	10.112	-0.006	97	587388	50.0	52.7	
122 Azobenzene	77	10.106	10.112	-0.006	100	587387	50.0	52.7	
130 4-Bromophenyl phenyl ether	248	10.461	10.464	-0.003	74	119306	50.0	50.6	
131 Hexachlorobenzene	284	10.523	10.526	-0.003	90	113451	50.0	51.7	
133 Atrazine	200	10.648	10.654	-0.006	88	131286	50.0	50.9	
134 Pentachlorophenol	266	10.728	10.731	-0.003	86	121450	100.0	101.3	
113 n-Octadecane	57	10.853	10.858	-0.005	91	477720	50.0	52.7	
141 Phenanthrene	178	10.932	10.935	-0.003	99	725444	50.0	50.9	
142 Anthracene	178	10.980	10.986	-0.006	98	741578	50.0	50.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.145	11.151	-0.006	96	676313	50.0	51.3	
145 Di-n-butyl phthalate	149	11.505	11.508	-0.003	100	888026	50.0	51.7	
152 Fluoranthene	202	12.053	12.059	-0.006	99	698735	50.0	51.6	
154 Benzidine	184	12.178	12.181	-0.003	99	234656	50.0	35.5	
155 Pyrene	202	12.255	12.258	-0.003	95	713013	50.0	51.3	
162 Butyl benzyl phthalate	149	12.825	12.828	-0.003	98	388070	50.0	52.8	
166 3,3'-Dichlorobenzidine	252	13.268	13.271	-0.003	76	199800	50.0	48.5	
167 Benzo[a]anthracene	228	13.291	13.293	-0.002	98	659600	50.0	52.3	
172 Bis(2-ethylhexyl) phthalate	149	13.313	13.316	-0.003	98	560265	50.0	51.6	
169 Chrysene	228	13.322	13.325	-0.003	97	611382	50.0	50.3	
168 Di-n-octyl phthalate	149	13.836	13.838	-0.002	99	942759	50.0	51.8	
174 Benzo[b]fluoranthene	252	14.162	14.165	-0.003	98	627933	50.0	53.0	
175 Benzo[k]fluoranthene	252	14.182	14.188	-0.006	96	613130	50.0	51.7	
177 Benzo[a]pyrene	252	14.420	14.423	-0.003	82	564036	50.0	49.1	
180 Indeno[1,2,3-cd]pyrene	276	15.380	15.382	-0.002	91	631970	50.0	53.5	
181 Dibenz(a,h)anthracene	278	15.385	15.388	-0.003	89	538936	50.0	51.8	
182 Benzo[g,h,i]perylene	276	15.641	15.641	0.000	91	546462	50.0	51.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

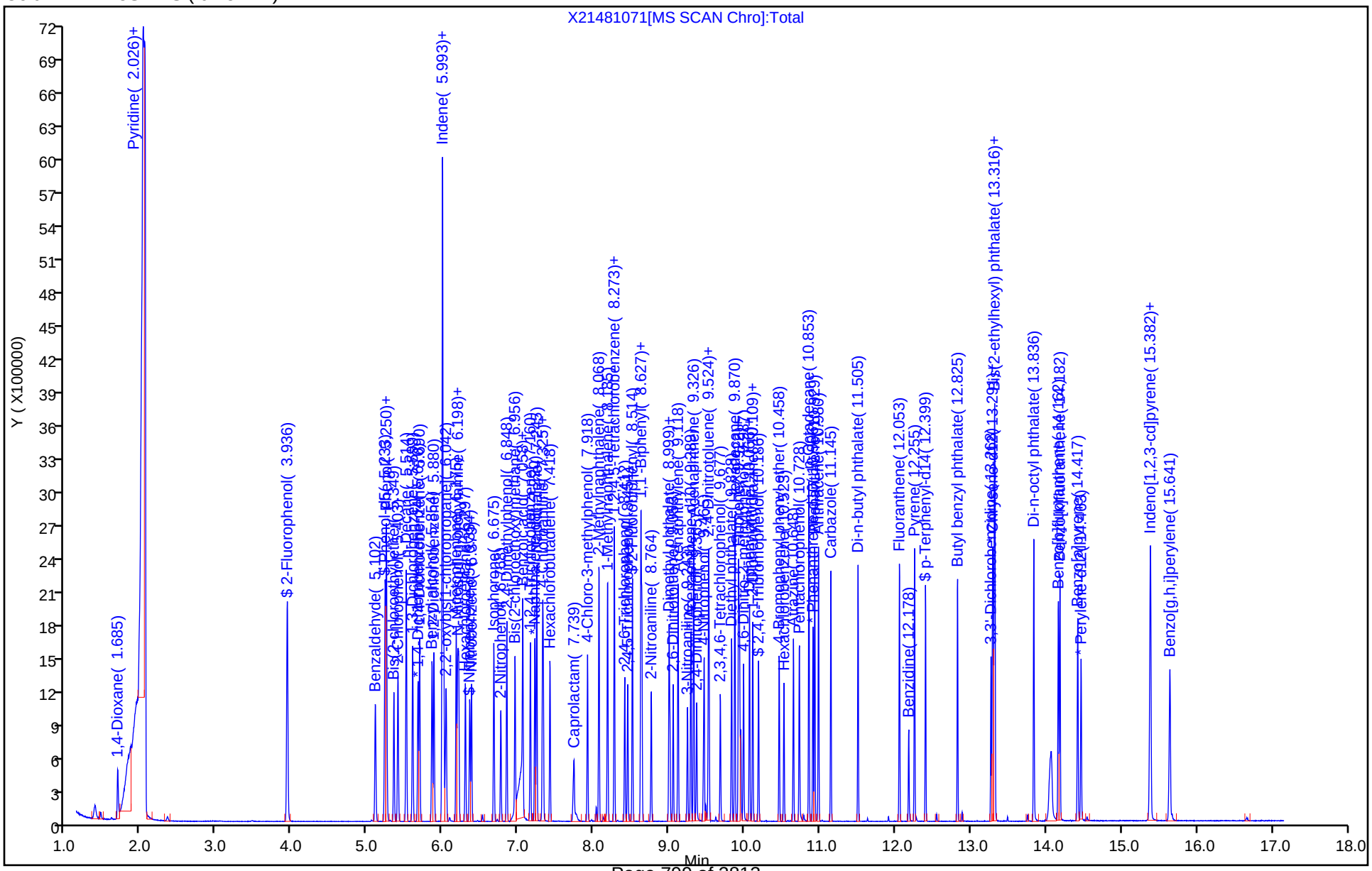
MB_L1SS_WRK_00047	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00083	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 25-Feb-2022 10:13:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481071.D				
Injection Date:	24-Feb-2022 15:37:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	ICV - List 1 - 50			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

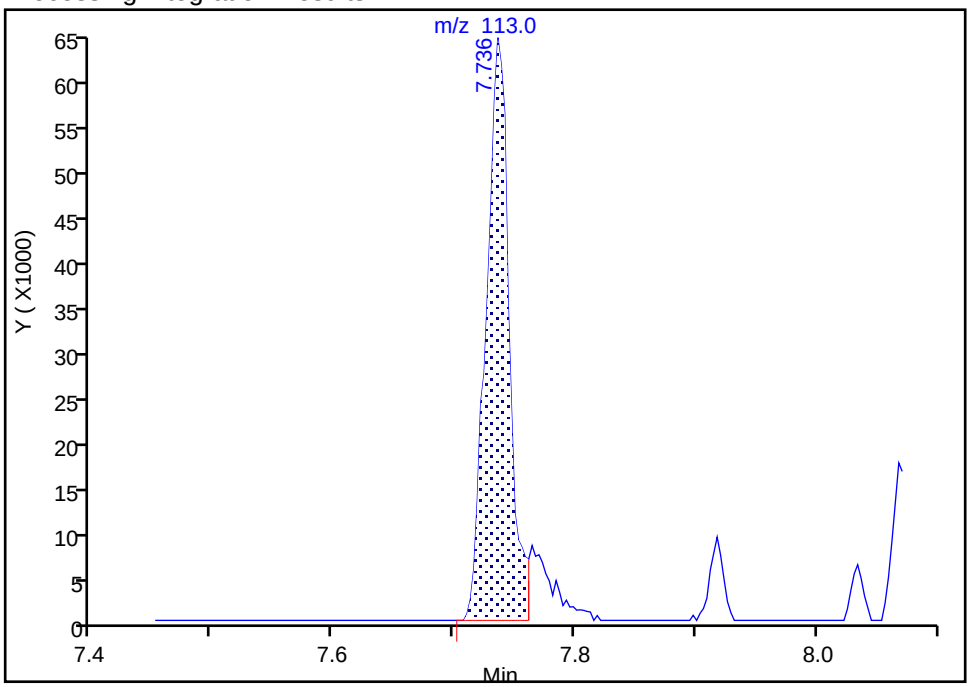
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481071.D				
Injection Date:	24-Feb-2022 15:37:30	Instrument ID:	HP5973X		
Lims ID:	ICV - List 1 - 50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 Caprolactam, CAS: 105-60-2

Signal: 1

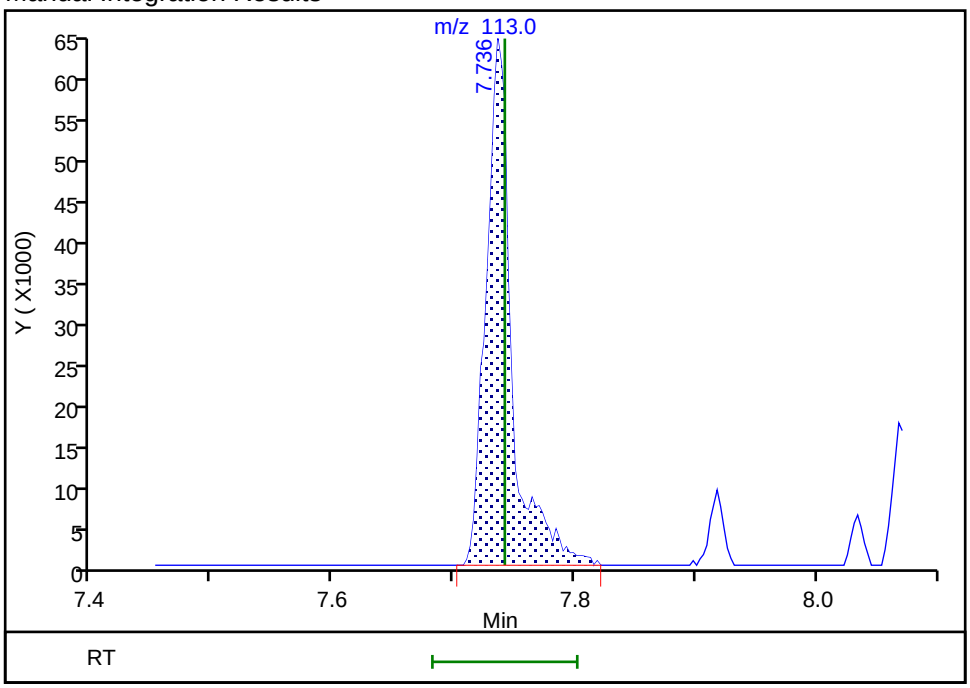
Processing Integration Results

RT: 7.74
Area: 85139
Amount: 48.478911
Amount Units: ng/uL



Manual Integration Results

RT: 7.74
Area: 95700
Amount: 51.594123
Amount Units: ng/uL



Reviewer: marshallj, 25-Feb-2022 09:10:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617260/3 Calibration Date: 03/09/2022 10:12

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481275.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.5913	0.0100	46200	50000	-7.5	20.0
N-Nitrosodimethylamine	Ave	0.9884	0.8566	0.0100	43300	50000	-13.3	50.0
Pyridine	Lin1		0.9880	0.0100	84700	100000	-15.3	50.0
Benzaldehyde	Ave	1.076	1.128	0.0100	52400	50000	4.8	50.0
Aniline	Ave	2.183	2.106	0.0100	48200	50000	-3.5	20.0
Phenol	Ave	1.897	1.803	0.8000	47500	50000	-4.9	20.0
Bis(2-chloroethyl)ether	Ave	1.441	1.378	0.7000	47800	50000	-4.4	20.0
2-Chlorophenol	Ave	1.414	1.391	0.8000	49200	50000	-1.6	20.0
n-Decane	Ave	2.046	1.873	0.0100	45800	50000	-8.5	20.0
1,3-Dichlorobenzene	Ave	1.560	1.525	0.0100	48900	50000	-2.3	20.0
1,4-Dichlorobenzene	Ave	1.570	1.515	0.0100	48300	50000	-3.5	20.0
Benzyl alcohol	Lin2		0.8668	0.0100	47000	50000	-6.0	20.0
1,2-Dichlorobenzene	Ave	1.459	1.434	0.0100	49200	50000	-1.7	20.0
2-Methylphenol	Ave	1.239	1.200	0.7000	48400	50000	-3.2	20.0
bis (2-chloroisopropyl) ether	Ave	2.460	2.169	0.0100	44100	50000	-11.8	20.0
Acetophenone	Ave	1.799	1.771	0.0100	49200	50000	-1.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.9671	0.9432	0.5000	48800	50000	-2.5	20.0
4-Methylphenol	Ave	1.286	1.257	0.6000	48900	50000	-2.2	20.0
Hexachloroethane	Ave	0.6094	0.5671	0.3000	46500	50000	-6.9	20.0
Nitrobenzene	Ave	0.3723	0.3827	0.2000	51400	50000	2.8	20.0
Isophorone	Ave	0.6822	0.6922	0.4000	50700	50000	1.5	20.0
2-Nitrophenol	Lin2		0.2032	0.1000	56800	50000	13.7	20.0
2,4-Dimethylphenol	Ave	0.3482	0.3571	0.2000	51300	50000	2.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.4289	0.4280	0.3000	49900	50000	-0.2	20.0
Benzoic acid	Lin1		0.2641	0.0100	178000	150000	18.7	50.0
2,4-Dichlorophenol	Lin2		0.2769	0.2000	50100	50000	0.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2898	0.2886	0.0100	49800	50000	-0.4	20.0
Naphthalene	Lin2		1.011	0.7000	49100	50000	-1.7	20.0
4-Chloroaniline	Ave	0.4326	0.4326	0.0100	50000	50000	-0.0	20.0
2,6-Dichlorophenol	Lin2		0.2724	0.0100	50900	50000	1.8	20.0
Hexachlorobutadiene	Ave	0.1485	0.1518	0.0100	51100	50000	2.2	20.0
Caprolactam	Lin2		0.1083	0.0100	50000	50000	0.0	50.0
4-Chloro-3-methylphenol	Lin2		0.2844	0.2000	50400	50000	0.9	20.0
2-Methylnaphthalene	Ave	0.6682	0.6657	0.4000	49800	50000	-0.4	20.0
1-Methylnaphthalene	Ave	0.6163	0.6064	0.0100	49200	50000	-1.6	20.0
Hexachlorocyclopentadiene	Ave	0.3465	0.3477	0.0500	50200	50000	0.4	20.0
1,2,4,5-Tetrachlorobenzene	Lin2		0.4894	0.0100	49300	50000	-1.5	20.0
2,4,6-Trichlorophenol	Lin2		0.3480	0.2000	50300	50000	0.6	20.0
2,4,5-Trichlorophenol	Lin2		0.3750	0.2000	51600	50000	3.3	20.0
Biphenyl	Ave	1.546	1.493	0.0100	48300	50000	-3.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617260/3 Calibration Date: 03/09/2022 10:12

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481275.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.196	1.174	0.8000	49100	50000	-1.8	20.0
2-Nitroaniline	Lin2		0.3869	0.0100	50400	50000	0.7	20.0
Dimethyl phthalate	Ave	1.272	1.271	0.0100	50000	50000	-0.0	20.0
1,3-Dinitrobenzene	Lin2		0.1103	0.0100	54200	50000	8.4	20.0
2,6-Dinitrotoluene	Lin2		0.3126	0.2000	51100	50000	2.3	20.0
Acenaphthylene	Ave	1.848	1.850	0.9000	50100	50000	0.1	20.0
3-Nitroaniline	Lin2		0.3577	0.0100	50900	50000	1.8	20.0
Acenaphthene	Ave	1.197	1.157	0.9000	48300	50000	-3.4	20.0
2,4-Dinitrophenol	Lin1		0.1562	0.0100	118000	100000	18.0	20.0
4-Nitrophenol	Lin2		0.1707	0.0100	105000	100000	4.9	20.0
2,4-Dinitrotoluene	Lin2		0.4071	0.2000	53400	50000	6.9	20.0
Dibenzofuran	Ave	1.582	1.568	0.8000	49500	50000	-0.9	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2564	0.0100	54800	50000	9.6	20.0
Diethyl phthalate	Ave	1.269	1.282	0.0100	50500	50000	1.0	20.0
Hexadecane	Ave	1.105	1.026	0.0100	46400	50000	-7.1	20.0
Fluorene	Lin2		1.229	0.9000	48300	50000	-3.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5483	0.5465	0.4000	49800	50000	-0.3	20.0
4-Nitroaniline	Lin2		0.3144	0.0100	48700	50000	-2.6	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1243	0.0100	113000	100000	13.0	20.0
Diphenylamine	Ave	0.6771	0.6785	0.0100	42800	42800	0.2	20.0
N-Nitrosodiphenylamine	Ave	0.5789	0.5802	0.0100	50100	50000	0.2	20.0
1,2-Diphenylhydrazine	Ave	0.8604	0.8386	0.0100	48700	50000	-2.5	20.0
4-Bromophenyl phenyl ether	Ave	0.1823	0.1775	0.1000	48700	50000	-2.6	20.0
Hexachlorobenzene	Ave	0.1695	0.1748	0.1000	51600	50000	3.1	20.0
Atrazine	Ave	0.3069	0.3197	0.0100	52100	50000	4.2	20.0
Pentachlorophenol	Lin1		0.1066	0.0500	115000	100000	14.7	20.0
n-Octadecane	Ave	0.6999	0.6503	0.0100	46500	50000	-7.1	20.0
Phenanthrene	Ave	1.101	1.083	0.7000	49200	50000	-1.6	20.0
Anthracene	Lin2		1.140	0.7000	50500	50000	1.0	20.0
Carbazole	Ave	1.019	1.025	0.0100	50300	50000	0.6	20.0
Di-n-butyl phthalate	Lin2		1.347	0.0100	50700	50000	1.5	20.0
Fluoranthene	Ave	1.046	1.102	0.6000	52700	50000	5.4	20.0
Benzidine	Ave	0.6877	0.7665	0.0100	55700	50000	11.5	50.0
Pyrene	Ave	1.447	1.412	0.6000	48800	50000	-2.5	20.0
Butyl benzyl phthalate	Lin2		0.7398	0.0100	48400	50000	-3.1	20.0
3,3'-Dichlorobenzidine	Lin2		0.4516	0.0100	52600	50000	5.3	50.0
Benzo[a]anthracene	Ave	1.312	1.254	0.8000	47800	50000	-4.4	20.0
Bis(2-ethylhexyl) phthalate	Lin2		1.069	0.0100	47300	50000	-5.3	20.0
Chrysene	Ave	1.264	1.202	0.7000	47600	50000	-4.9	20.0
Di-n-octyl phthalate	Lin2		1.855	0.0100	49000	50000	-2.1	20.0
Benzo[b]fluoranthene	Ave	1.299	1.261	0.7000	48500	50000	-2.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617260/3 Calibration Date: 03/09/2022 10:12

Instrument ID: HP5973X Calib Start Date: 02/24/2022 11:42

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/24/2022 15:13

Lab File ID: X21481275.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.298	1.373	0.7000	52900	50000	5.8	20.0
Benzo[a]pyrene	Lin2		1.248	0.7000	49600	50000	-0.8	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.291	0.5000	49900	50000	-0.1	20.0
Dibenz(a,h)anthracene	Lin2		1.127	0.4000	49400	50000	-1.2	20.0
Benzo[g,h,i]perylene	Lin2		1.142	0.5000	49400	50000	-1.1	20.0
2-Fluorophenol	Ave	1.413	1.400	0.0100	49500	50000	-0.9	20.0
Phenol-d5	Lin2		1.695	0.0100	50200	50000	0.4	20.0
Nitrobenzene-d5	Ave	0.3720	0.4074	0.0100	54700	50000	9.5	20.0
2-Fluorobiphenyl	Lin2		1.330	0.0100	51400	50000	2.8	20.0
2,4,6-Tribromophenol	Lin2		0.0795	0.0100	58300	50000	16.5	20.0
p-Terphenyl-d14	Ave	0.9625	0.9633	0.0100	50000	50000	0.0	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481275.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Mar-2022 10:12:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104283-003
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 10-Mar-2022 12:51:47 Calib Date: 25-Feb-2022 01:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: marshallj Date: 09-Mar-2022 11:06:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.715	5.715	0.000	96	162623	40.0	40.0	
* 2 Naphthalene-d8	136	7.288	7.288	0.000	99	557706	40.0	40.0	
* 3 Acenaphthene-d10	164	9.289	9.289	0.000	93	276939	40.0	40.0	
* 4 Phenanthrene-d10	188	10.898	10.898	0.000	95	434159	40.0	40.0	
* 5 Chrysene-d12	240	13.291	13.291	0.000	98	348494	40.0	40.0	
* 6 Perylene-d12	264	14.451	14.451	0.000	94	326965	40.0	40.0	
$ 7 2-Fluorophenol	112	3.907	3.907	0.000	93	284654	50.0	49.5	
$ 8 Phenol-d5	99	5.261	5.261	0.000	99	344497	50.0	50.2	
$ 9 Nitrobenzene-d5	82	6.428	6.428	0.000	90	283982	50.0	54.7	
$ 10 2-Fluorobiphenyl	172	8.528	8.528	0.000	100	460251	50.0	51.4	
$ 11 2,4,6-Tribromophenol	330	10.180	10.180	0.000	83	43137	50.0	58.3	
$ 12 p-Terphenyl-d14	244	12.388	12.388	0.000	96	419651	50.0	50.0	
15 1,4-Dioxane	88	1.654	1.654	0.000	97	120205	50.0	46.2	
16 N-Nitrosodimethylamine	74	1.935	1.935	0.000	96	174120	50.0	43.3	
17 Pyridine	52	1.989	1.989	0.000	86	401683	100.0	84.7	
27 Benzaldehyde	77	5.114	5.114	0.000	93	229242	50.0	52.4	
29 Aniline	93	5.273	5.273	0.000	96	428111	50.0	48.2	
28 Phenol	94	5.281	5.281	0.000	98	366583	50.0	47.5	
31 Bis(2-chloroethyl)ether	93	5.375	5.375	0.000	97	280136	50.0	47.8	
32 2-Chlorophenol	128	5.437	5.437	0.000	97	282851	50.0	49.2	
35 n-Decane	57	5.548	5.548	0.000	93	380706	50.0	45.8	
36 1,3-Dichlorobenzene	146	5.639	5.639	0.000	98	309964	50.0	48.9	
37 1,4-Dichlorobenzene	146	5.735	5.735	0.000	94	308021	50.0	48.3	
38 Benzyl alcohol	108	5.914	5.914	0.000	93	176203	50.0	47.0	
39 1,2-Dichlorobenzene	146	5.937	5.937	0.000	97	291569	50.0	49.2	
229 Indene	115	6.053	6.053	0.000	90	1444316	150.0	162.1	
40 2-Methylphenol	108	6.082	6.082	0.000	98	243882	50.0	48.4	
42 2,2'-oxybis[1-chloropropane]	45	6.099	6.099	0.000	95	440886	50.0	44.1	
45 Acetophenone	105	6.243	6.243	0.000	96	359960	50.0	49.2	
47 N-Nitrosodi-n-propylamine	70	6.260	6.260	0.000	88	191736	50.0	48.8	
46 4-Methylphenol	108	6.286	6.286	0.000	95	255614	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.368	6.368	0.000	98	115284	50.0	46.5	
52 Nitrobenzene	77	6.450	6.450	0.000	89	266796	50.0	51.4	
56 Isophorone	82	6.751	6.751	0.000	99	482529	50.0	50.7	
58 2-Nitrophenol	139	6.845	6.845	0.000	94	141649	50.0	56.8	
59 2,4-Dimethylphenol	107	6.927	6.927	0.000	94	248937	50.0	51.3	
62 Bis(2-chloroethoxy)methane	93	7.029	7.029	0.000	98	298391	50.0	49.9	
64 Benzoic acid	105	7.129	7.129	0.000	92	552310	150.0	178.0	
65 2,4-Dichlorophenol	162	7.137	7.137	0.000	96	193034	50.0	50.1	
67 1,2,4-Trichlorobenzene	180	7.231	7.231	0.000	94	201214	50.0	49.8	
69 Naphthalene	128	7.310	7.310	0.000	98	704991	50.0	49.1	
71 4-Chloroaniline	127	7.387	7.387	0.000	97	301586	50.0	50.0	
70 2,6-Dichlorophenol	162	7.398	7.398	0.000	97	189867	50.0	50.9	
73 Hexachlorobutadiene	225	7.478	7.478	0.000	97	105825	50.0	51.1	
78 Caprolactam	113	7.790	7.790	0.000	76	75484	50.0	50.0	
79 4-Chloro-3-methylphenol	107	7.960	7.960	0.000	98	198258	50.0	50.4	
82 2-Methylnaphthalene	142	8.102	8.102	0.000	92	464110	50.0	49.8	
83 1-Methylnaphthalene	142	8.210	8.210	0.000	93	422760	50.0	49.2	
84 Hexachlorocyclopentadiene	237	8.295	8.295	0.000	94	120374	50.0	50.2	
85 1,2,4,5-Tetrachlorobenzene	216	8.298	8.298	0.000	97	169423	50.0	49.3	
86 2,4,6-Trichlorophenol	196	8.432	8.432	0.000	95	120477	50.0	50.3	
87 2,4,5-Trichlorophenol	196	8.474	8.474	0.000	93	129830	50.0	51.6	
90 1,1'-Biphenyl	154	8.636	8.636	0.000	95	516882	50.0	48.3	
91 2-Chloronaphthalene	162	8.650	8.650	0.000	97	406352	50.0	49.1	
93 2-Nitroaniline	65	8.775	8.775	0.000	84	133920	50.0	50.4	
96 Dimethyl phthalate	163	8.999	8.999	0.000	98	440066	50.0	50.0	
97 1,3-Dinitrobenzene	168	9.013	9.013	0.000	91	76905	50.0	54.2	
99 2,6-Dinitrotoluene	165	9.056	9.056	0.000	95	108230	50.0	51.1	
100 Acenaphthylene	152	9.121	9.121	0.000	98	640518	50.0	50.1	
101 3-Nitroaniline	138	9.246	9.246	0.000	94	123819	50.0	50.9	
102 Acenaphthene	153	9.326	9.326	0.000	95	400373	50.0	48.3	
103 2,4-Dinitrophenol	184	9.365	9.365	0.000	85	108165	100.0	118.0	
104 4-Nitrophenol	109	9.473	9.473	0.000	92	118173	100.0	104.9	
106 2,4-Dinitrotoluene	165	9.519	9.519	0.000	92	140934	50.0	53.4	
107 Dibenzofuran	168	9.524	9.524	0.000	95	542817	50.0	49.5	
110 2,3,4,6-Tetrachlorophenol	232	9.678	9.678	0.000	77	88753	50.0	54.8	
112 Diethyl phthalate	149	9.822	9.822	0.000	98	443815	50.0	50.5	
138 Hexadecane	57	9.862	9.862	0.000	90	355212	50.0	46.4	
115 Fluorene	166	9.916	9.916	0.000	93	425488	50.0	48.3	
116 4-Chlorophenyl phenyl ether	204	9.927	9.927	0.000	95	189184	50.0	49.8	
118 4-Nitroaniline	138	9.947	9.947	0.000	86	108828	50.0	48.7	
119 4,6-Dinitro-2-methylphenol	198	9.984	9.984	0.000	80	134923	100.0	113.0	
121 Diphenylamine	169	10.058	10.058	0.000	94	314848	42.8	42.8	
120 N-Nitrosodiphenylamine	169	10.058	10.058	0.000	98	314848	50.0	50.1	
123 1,2-Diphenylhydrazine	77	10.100	10.100	0.000	97	455093	50.0	48.7	
122 Azobenzene	77	10.100	10.100	0.000	100	455093	50.0	48.7	
130 4-Bromophenyl phenyl ether	248	10.452	10.452	0.000	72	96333	50.0	48.7	
131 Hexachlorobenzene	284	10.515	10.515	0.000	91	94856	50.0	51.6	
133 Atrazine	200	10.643	10.643	0.000	89	110689	50.0	52.1	
134 Pentachlorophenol	266	10.719	10.719	0.000	88	115724	100.0	114.7	
113 n-Octadecane	57	10.841	10.841	0.000	92	352917	50.0	46.5	
141 Phenanthrene	178	10.921	10.921	0.000	99	587599	50.0	49.2	
142 Anthracene	178	10.972	10.972	0.000	97	618721	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.136	11.136	0.000	96	556244	50.0	50.3	
145 Di-n-butyl phthalate	149	11.494	11.494	0.000	100	730822	50.0	50.7	
152 Fluoranthene	202	12.045	12.045	0.000	99	598173	50.0	52.7	
154 Benzidine	184	12.170	12.170	0.000	99	333887	50.0	55.7	
155 Pyrene	202	12.243	12.243	0.000	96	614881	50.0	48.8	
162 Butyl benzyl phthalate	149	12.814	12.814	0.000	98	322263	50.0	48.4	
166 3,3'-Dichlorobenzidine	252	13.259	13.259	0.000	76	196712	50.0	52.6	
167 Benzo[a]anthracene	228	13.279	13.279	0.000	98	546180	50.0	47.8	
172 Bis(2-ethylhexyl) phthalate	149	13.302	13.302	0.000	98	465588	50.0	47.3	
169 Chrysene	228	13.311	13.311	0.000	98	523650	50.0	47.6	
168 Di-n-octyl phthalate	149	13.824	13.824	0.000	99	807919	50.0	49.0	
174 Benzo[b]fluoranthene	252	14.153	14.153	0.000	98	515311	50.0	48.5	
175 Benzo[k]fluoranthene	252	14.173	14.173	0.000	96	561235	50.0	52.9	
177 Benzo[a]pyrene	252	14.409	14.409	0.000	81	510051	50.0	49.6	
180 Indeno[1,2,3-cd]pyrene	276	15.360	15.360	0.000	96	527823	50.0	49.9	
181 Dibenz(a,h)anthracene	278	15.368	15.368	0.000	91	460426	50.0	49.4	
182 Benzo[g,h,i]perylene	276	15.618	15.618	0.000	95	466634	50.0	49.4	

QC Flag Legend

Processing Flags

Reagents:

MB_LIST1_WRK_00896	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00084	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 10-Mar-2022 12:51:48 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481275.D

Injection Date: 09-Mar-2022 10:12:30 Instrument ID: HP5973X Operator ID: JM

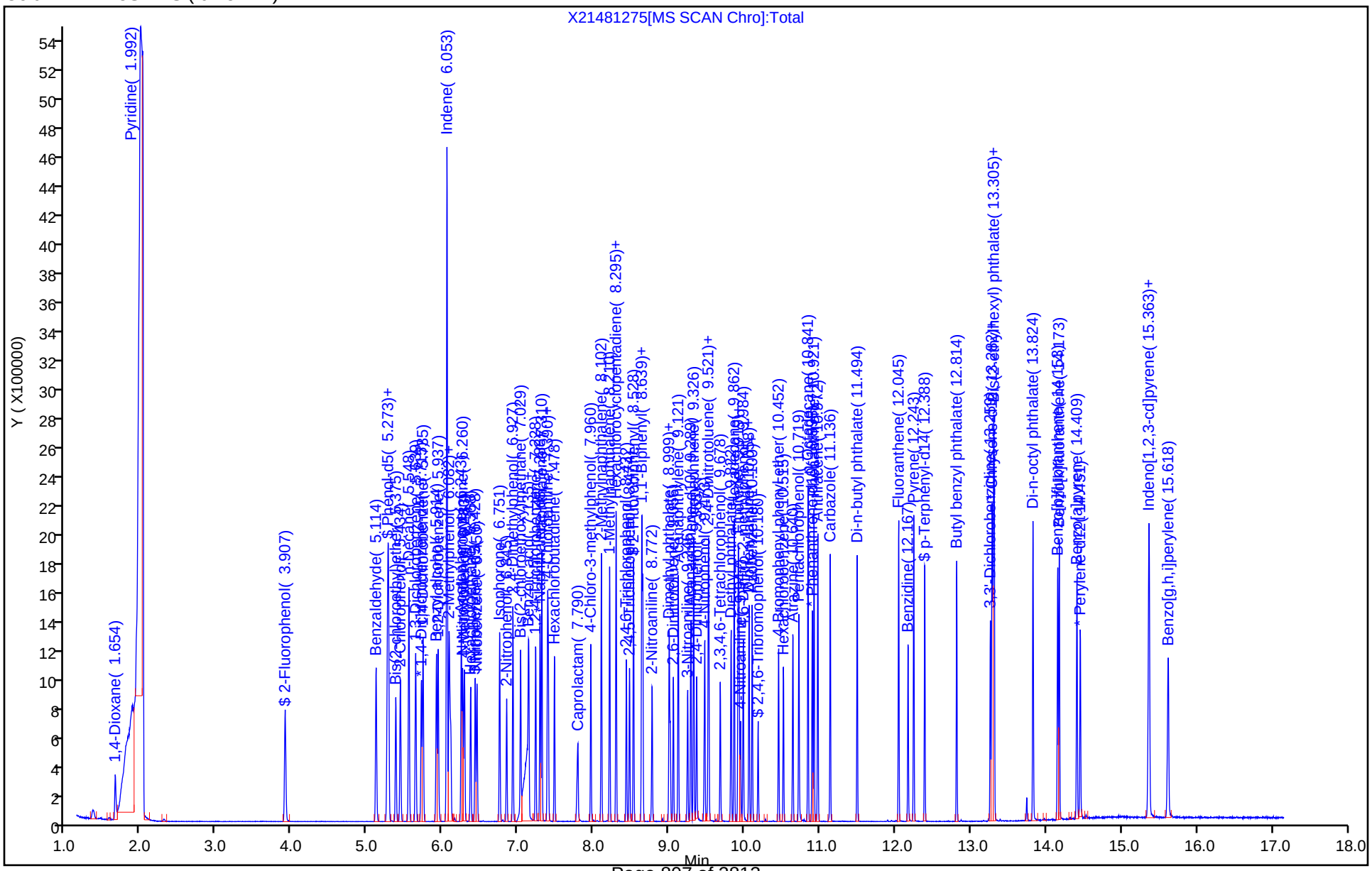
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Feb-2022 11:17:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104081-002
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Feb-2022 10:13:20 Calib Date: 24-Feb-2022 22:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481087.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: marshallj Date: 24-Feb-2022 11:39:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
230 Pentachlorophenol_T	266	10.748	10.748	0.000	87	56243	NR	NR	a
231 DFTPP									
233 4,4'-DDE	246		11.982					ND	
232 Benzidine_T	184	12.209	12.209	0.000	99	383924	NR	NR	a
234 4,4'-DDD	235		12.280					ND	
235 4,4'-DDT	235	12.933	12.933	0.000	97	259913	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

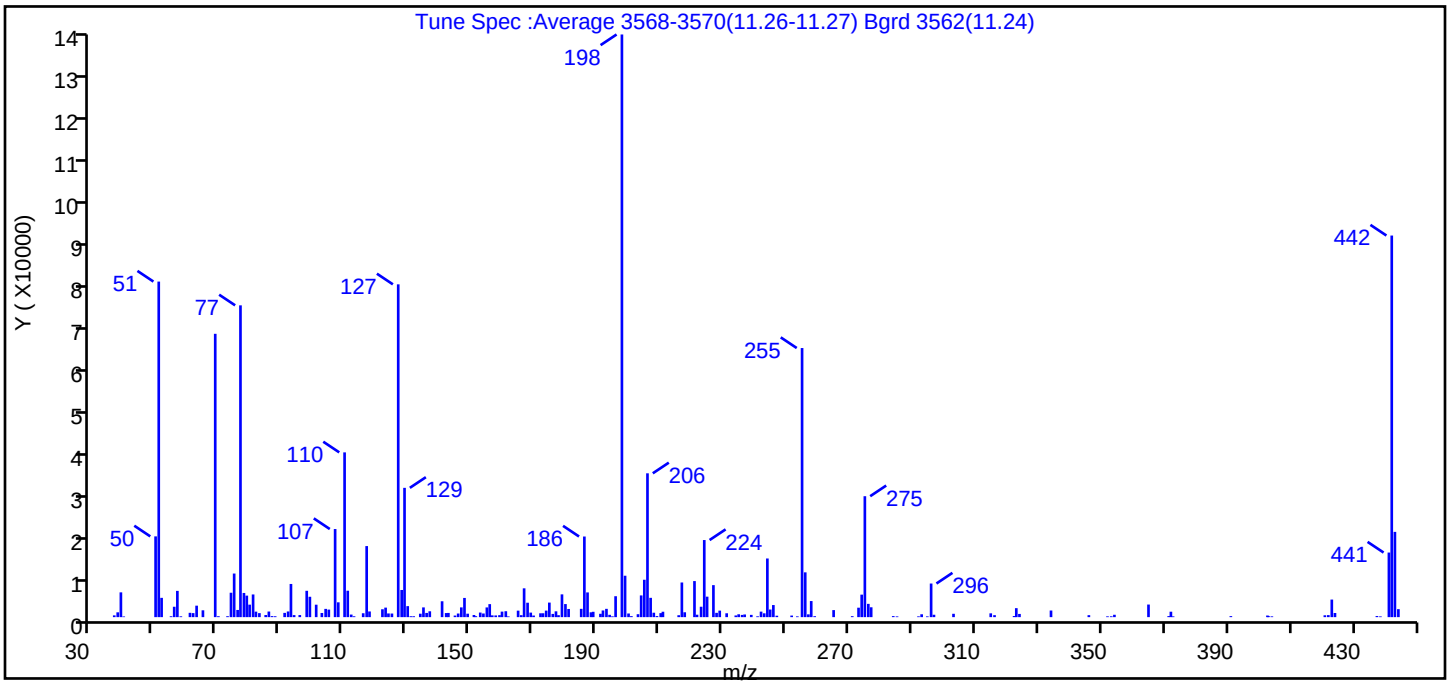
MB_DFTPP_WRK_00405 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D				
Injection Date:	24-Feb-2022 11:17:30	Instrument ID:	HP5973X		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	JM	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Tune Method:	DFTPP Method 8270D, BP 198				

231 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (152.7)
51	10-80% of the base peak	57.6
68	<2% of mass 69	0.0 (0.0)
69	Present	48.6
70	<2% of mass 69	0.2 (0.3)
127	10-80% of the base peak	57.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	20.8
365	>1% of mass 198	2.2
441	present but <24% of mass 442	11.1 (16.9)
442	base peak, or >50% of 198	65.5
443	15-24% of mass 442	14.6 (22.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D\X-8270.rslt\spectra.d
Injection Date: 24-Feb-2022 11:17:30
Spectrum: Tune Spec :Average 3568-3570(11.26-11.27) Bgrd 3562(11.24)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	424	117.00	17056	180.00	3139	252.00	380
38.00	1156	118.00	1364	181.00	1962	254.00	184
39.00	5949	122.00	1892	185.00	1996	255.00	64584
40.00	163	123.00	2285	186.00	19352	256.00	10751
50.00	19384	124.00	885	187.00	5934	257.00	670
51.00	80536	125.00	867	188.00	1161	258.00	3862
52.00	4632	127.00	79872	189.00	1285	259.00	227
55.00	212	128.00	6518	191.00	804	265.00	1692
56.00	2494	129.00	31032	192.00	1605	271.00	230
57.00	6301	130.00	2642	193.00	1992	273.00	2267
58.00	195	131.00	217	194.00	558	274.00	5402
61.00	1039	132.00	211	195.00	187	275.00	29024
62.00	967	134.00	824	196.00	5022	276.00	3189
63.00	2754	135.00	2339	198.00	139840	277.00	2368
65.00	1643	136.00	1012	199.00	9938	284.00	252
69.00	68000	137.00	1405	200.00	874	285.00	178
70.00	219	141.00	3811	201.00	239	292.00	187
73.00	224	142.00	982	203.00	703	293.00	689
74.00	5858	143.00	1010	204.00	5212	295.00	180
75.00	10465	145.00	381	205.00	8975	296.00	8070
76.00	1727	146.00	869	206.00	34520	297.00	573
77.00	74832	147.00	2340	207.00	4635	303.00	806
78.00	5803	148.00	4610	208.00	1062	315.00	915
79.00	5165	149.00	827	209.00	259	316.00	477
80.00	2998	151.00	516	210.00	964	322.00	268
81.00	5445	152.00	228	211.00	1298	323.00	2156
82.00	1319	153.00	1098	216.00	460	324.00	770
83.00	964	154.00	876	217.00	8318	334.00	1591
85.00	503	155.00	2331	218.00	1169	346.00	473
86.00	1348	156.00	3122	221.00	8654	352.00	192
87.00	250	157.00	425	222.00	582	353.00	199
88.00	210	158.00	408	223.00	2498	354.00	570
91.00	1025	159.00	473	224.00	18504	365.00	3024

Report Date: 25-Feb-2022 10:13:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D\X-8270.rslt\spectra.d
Injection Date: 24-Feb-2022 11:17:30
Spectrum: Tune Spec :Average 3568-3570(11.26-11.27) Bgrd 3562(11.24)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	1363	160.00	1327	225.00	4915	371.00	252
93.00	7963	161.00	1419	227.00	7683	372.00	1306
94.00	488	162.00	171	228.00	1034	373.00	182
96.00	499	165.00	1560	229.00	1564	391.00	245
98.00	6321	166.00	471	231.00	927	403.00	383
99.00	4890	167.00	6916	234.00	406	403.00	281
101.00	2987	168.00	3461	235.00	686	404.00	186
103.00	999	169.00	1087	236.00	534	421.00	447
104.00	1982	170.00	384	237.00	643	422.00	486
105.00	1809	172.00	922	239.00	547	423.00	4219
107.00	21144	173.00	932	241.00	194	424.00	995
108.00	3557	174.00	1568	242.00	1323	437.00	268
110.00	39544	175.00	3494	243.00	918	438.00	176
111.00	6343	176.00	776	244.00	14078	441.00	15502
112.00	618	177.00	1397	245.00	1828	442.00	91584
113.00	205	178.00	469	246.00	2902	443.00	20464
116.00	934	179.00	5468	247.00	343	444.00	1919

Report Date: 25-Feb-2022 10:13:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D

Injection Date: 24-Feb-2022 11:17:30 Instrument ID: HP5973X Operator ID: JM

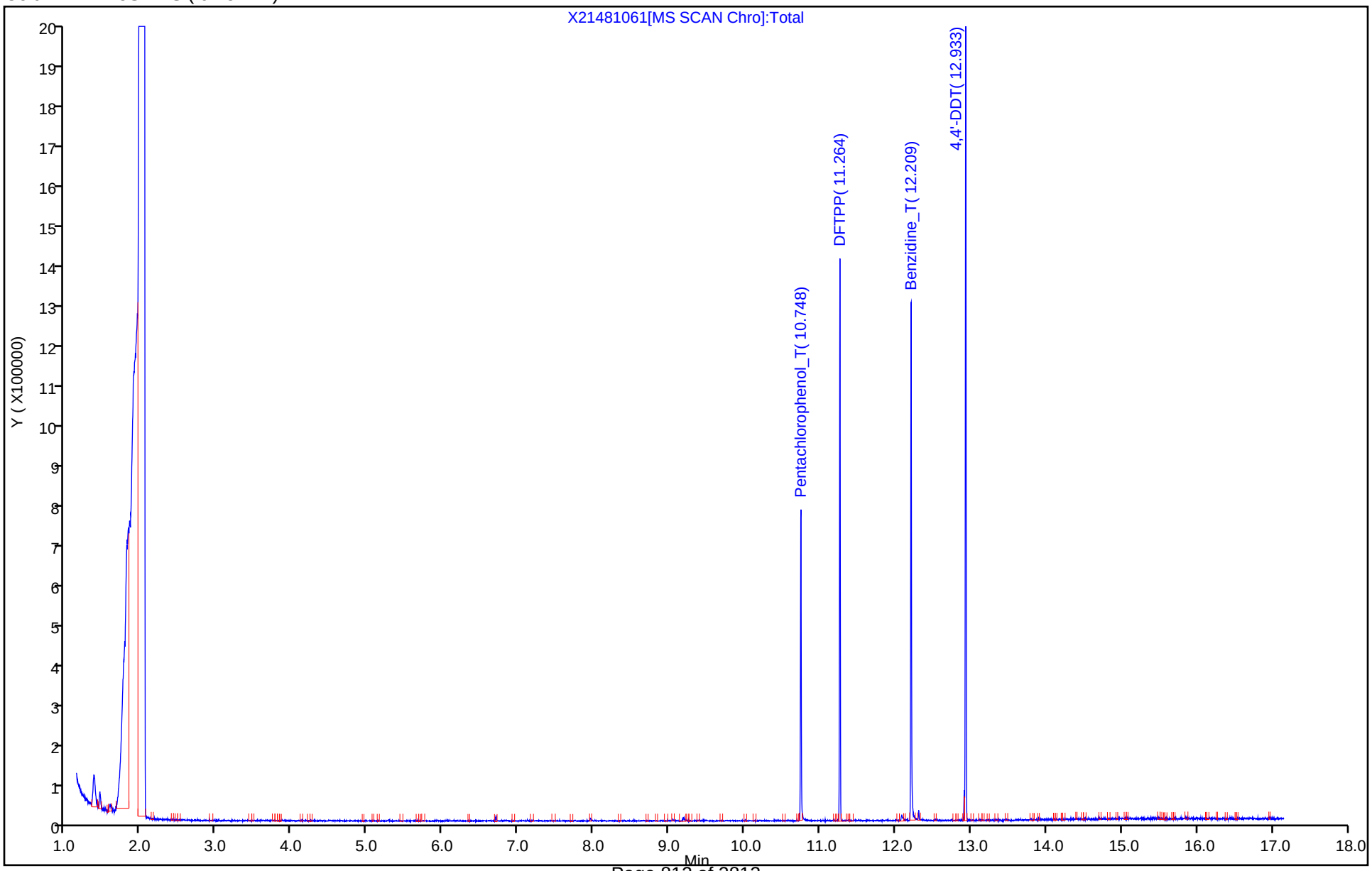
Lims ID: DFTPP Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D				
Injection Date:	24-Feb-2022 11:17:30	Instrument ID:	HP5973X		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	JM	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

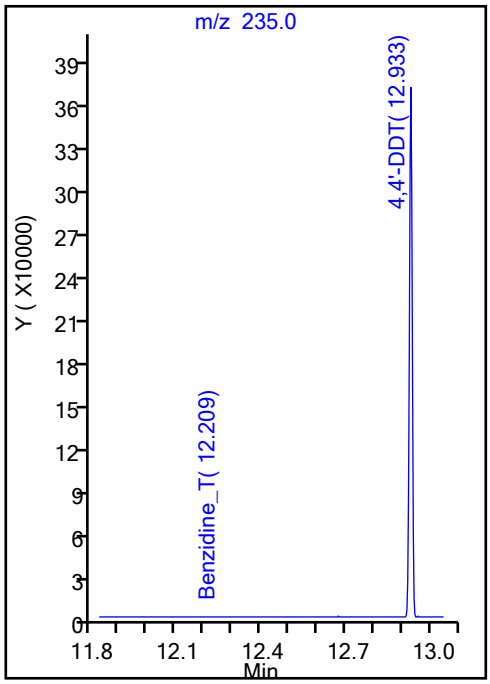
235 4,4'-DDT, Detector: MS SCAN

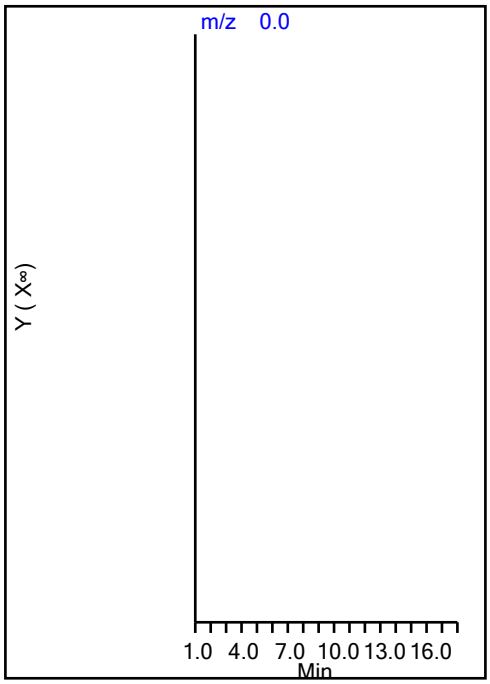
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

235 4,4'-DDT, Area = 259913
234 4,4'-DDD, Area = 0
233 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Buffalo

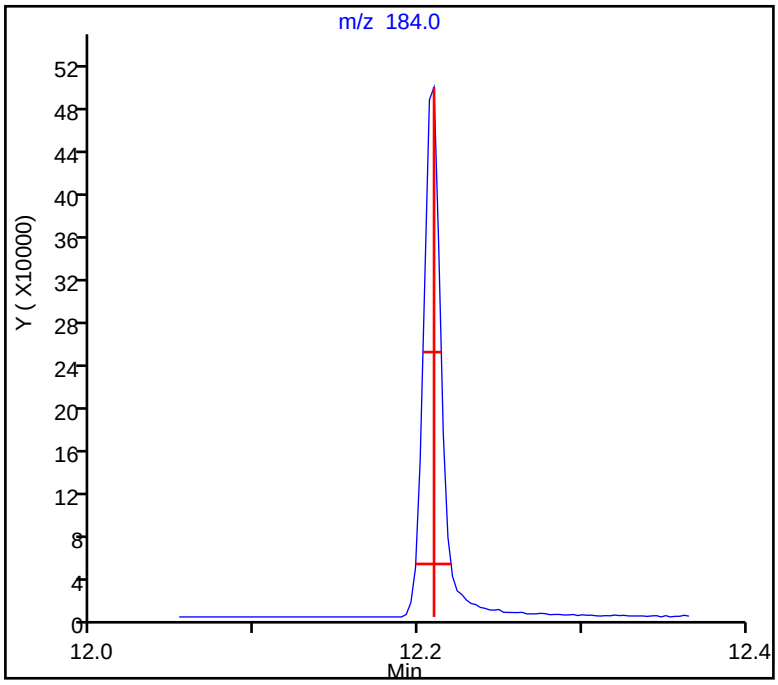
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D
Injection Date: 24-Feb-2022 11:17:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

232 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.91, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Buffalo

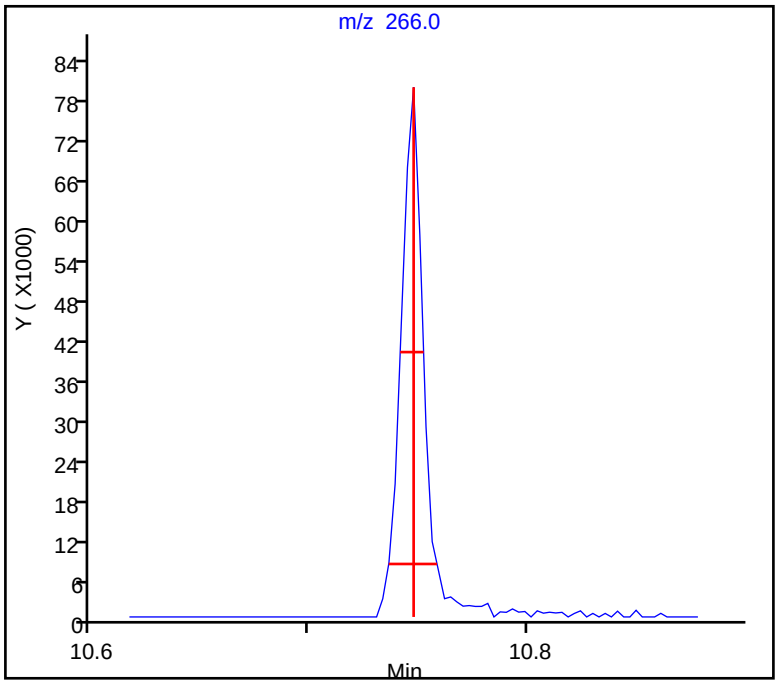
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104081.b\X21481061.D				
Injection Date:	24-Feb-2022 11:17:30	Instrument ID:	HP5973X		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	JM	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

230 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	09-Mar-2022 09:48:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 12:51:43	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 10:08:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
230 Pentachlorophenol_T	266	10.742	10.742	0.000	88	49373	NR	NR	
231 DFTPP									
233 4,4'-DDE	246		11.982					ND	
232 Benzidine_T	184	12.189	12.189	0.000	99	251515	NR	NR	
234 4,4'-DDD	235		12.280					ND	
235 4,4'-DDT	235	12.910	12.910	0.000	96	184883	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

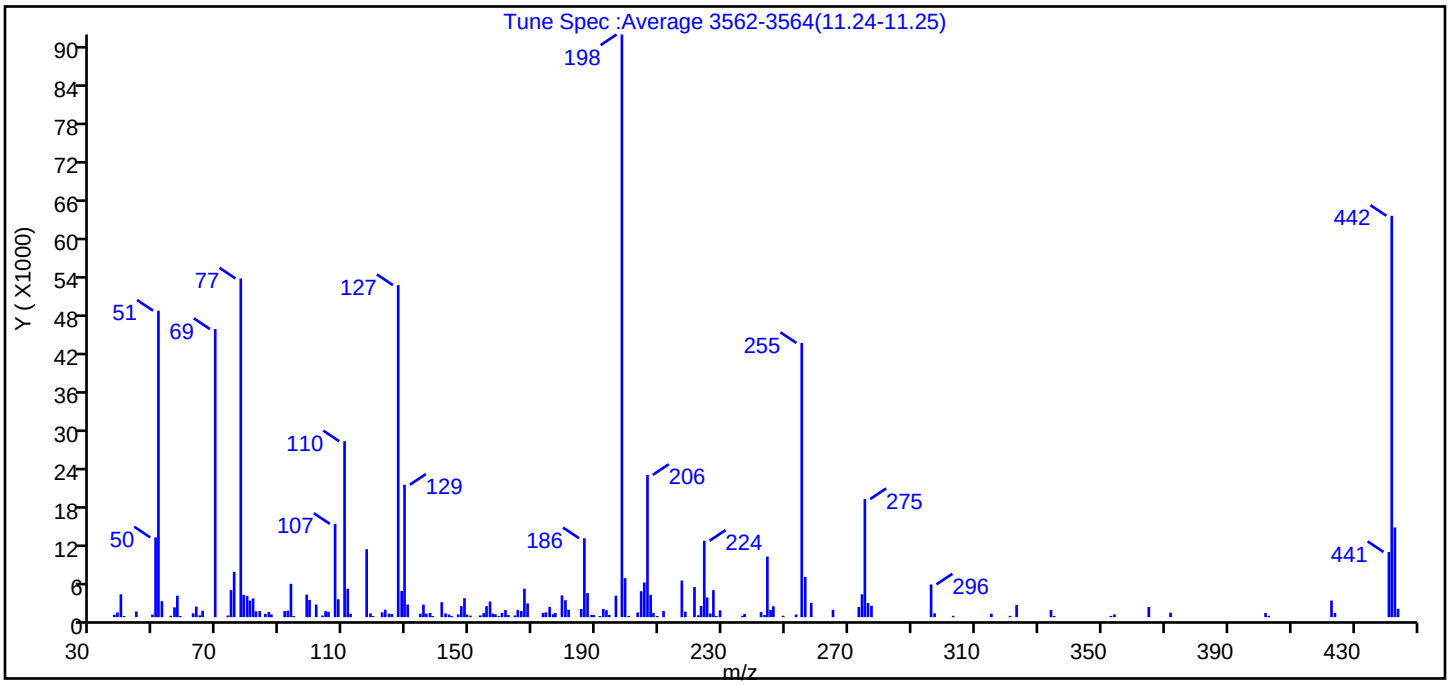
MB_DFTPP_WRK_00405 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D
Injection Date: 09-Mar-2022 09:48:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

231 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (145.2)
51	10-80% of the base peak	52.6
68	<2% of mass 69	0.0 (0.0)
69	Present	49.4
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	57.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.7
275	10-60% of the base peak	20.3
365	>1% of mass 198	1.8
441	present but <24% of mass 442	11.2 (16.2)
442	base peak, or >50% of 198	68.9
443	15-24% of mass 442	15.4 (22.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D\X-8270.rslt\spectra.d
Injection Date: 09-Mar-2022 09:48:30
Spectrum: Tune Spec :Average 3562-3564(11.24-11.25)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 164

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	373	107.00	14609	165.00	1108	227.00	4225
38.00	728	108.00	2799	166.00	951	228.00	183
39.00	3581	110.00	27544	167.00	4458	229.00	1056
40.00	172	111.00	4452	168.00	2144	236.00	212
44.00	889	112.00	532	173.00	662	237.00	503
49.00	398	117.00	10638	174.00	754	242.00	793
50.00	12486	118.00	575	175.00	1595	243.00	326
51.00	47992	119.00	172	176.00	458	244.00	9487
52.00	2504	122.00	749	177.00	651	245.00	1139
55.00	210	123.00	1170	179.00	3403	246.00	1700
56.00	1534	124.00	544	180.00	2661	249.00	222
57.00	3355	125.00	482	181.00	1160	253.00	420
58.00	187	127.00	52000	185.00	1275	255.00	42936
62.00	605	128.00	4091	186.00	12355	256.00	6293
63.00	1658	129.00	20736	187.00	3758	258.00	2247
64.00	276	130.00	1977	188.00	351	265.00	1146
65.00	1005	134.00	535	189.00	319	273.00	1584
69.00	45120	135.00	1960	191.00	173	274.00	3580
73.00	252	136.00	551	192.00	1293	275.00	18488
74.00	4238	137.00	655	193.00	1092	276.00	2214
75.00	7104	138.00	174	194.00	343	277.00	1776
77.00	53040	141.00	2334	196.00	3358	296.00	5125
78.00	3488	142.00	586	198.00	91248	297.00	597
79.00	3331	143.00	409	199.00	6100	303.00	209
80.00	2602	144.00	186	200.00	197	315.00	543
81.00	2932	146.00	426	203.00	731	321.00	204
82.00	910	147.00	1709	204.00	4064	323.00	1910
83.00	938	148.00	2969	205.00	5432	334.00	1109
85.00	525	149.00	407	206.00	22280	335.00	185
86.00	802	150.00	242	207.00	3470	353.00	194
87.00	416	153.00	275	208.00	644	354.00	428
91.00	947	154.00	632	209.00	178	365.00	1599
92.00	1004	155.00	1719	211.00	958	372.00	702

Report Date: 10-Mar-2022 12:51:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D\X-8270.rslt\spectra.d
Injection Date: 09-Mar-2022 09:48:30
Spectrum: Tune Spec :Average 3562-3564(11.24-11.25)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 164

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	5213	156.00	2447	217.00	5730	402.00	643
94.00	179	157.00	555	218.00	860	403.00	203
98.00	3528	158.00	448	221.00	4716	423.00	2593
99.00	2683	159.00	171	222.00	290	424.00	650
101.00	1978	160.00	669	223.00	1756	441.00	10197
103.00	253	161.00	1117	224.00	11962	442.00	62848
104.00	932	162.00	346	225.00	3087	443.00	14047
105.00	844	164.00	261	226.00	572	444.00	1305

Report Date: 10-Mar-2022 12:51:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D

Injection Date: 09-Mar-2022 09:48:30 Instrument ID: HP5973X Operator ID: JM

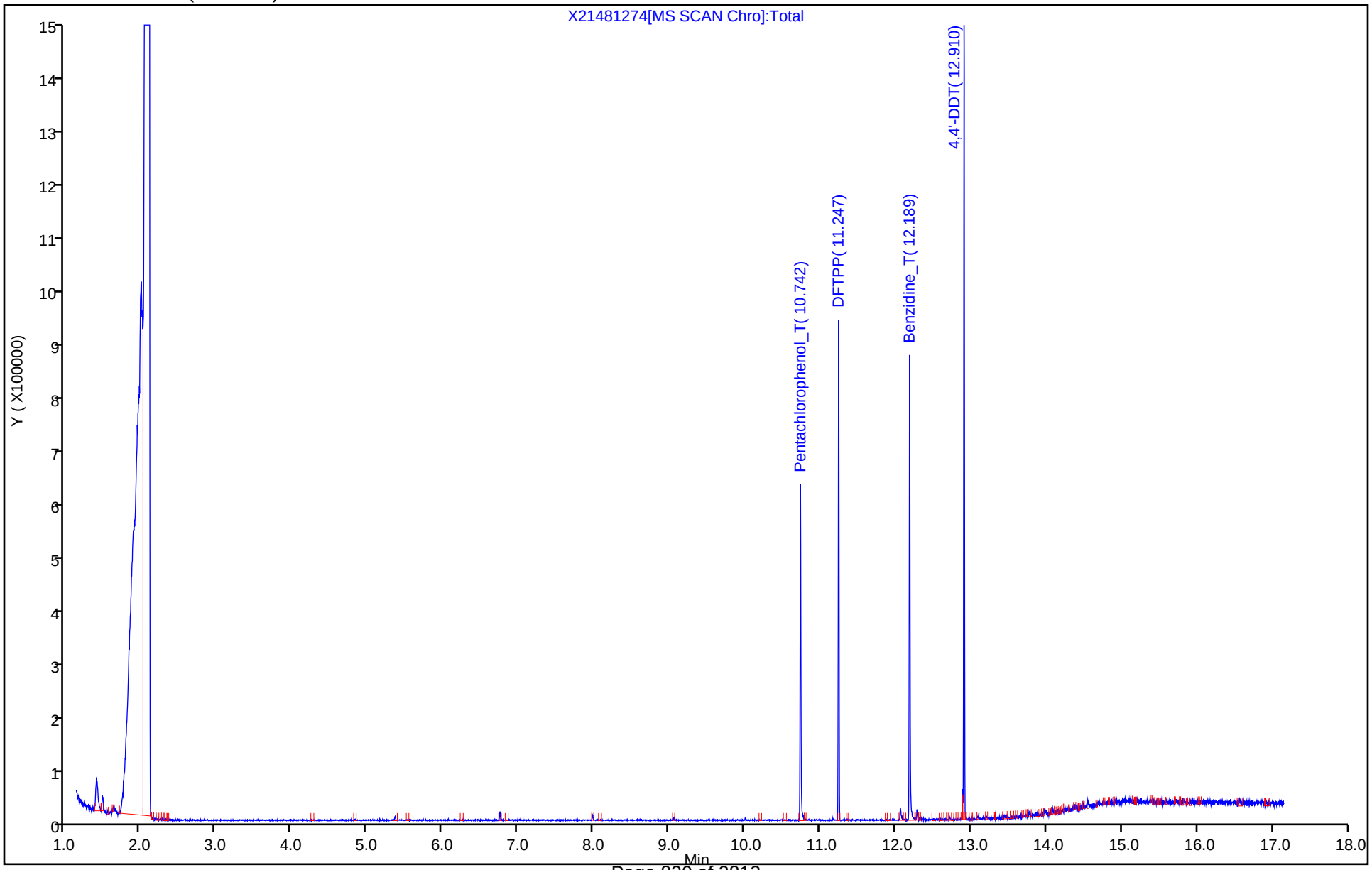
Lims ID: DFTPP Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D				
Injection Date:	09-Mar-2022 09:48:30	Instrument ID:	HP5973X		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	JM	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

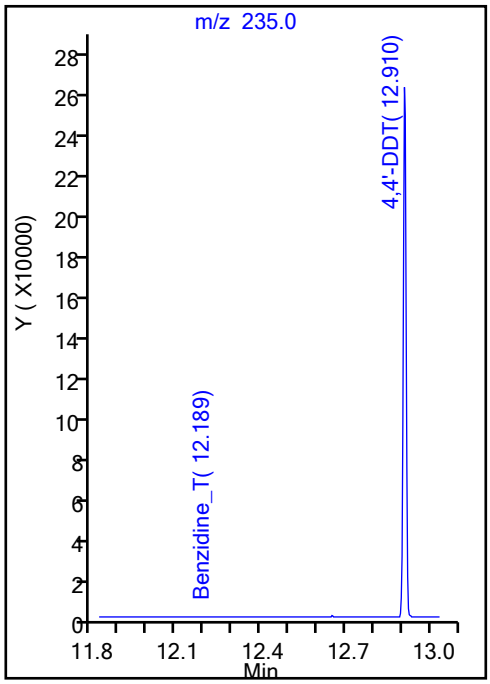
235 4,4'-DDT, Detector: MS SCAN

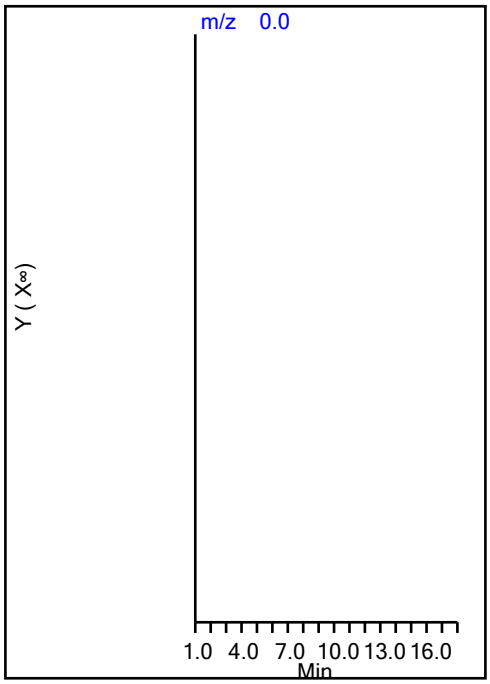
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

235 4,4'-DDT, Area = 184883
234 4,4'-DDD, Area = 0
233 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Buffalo

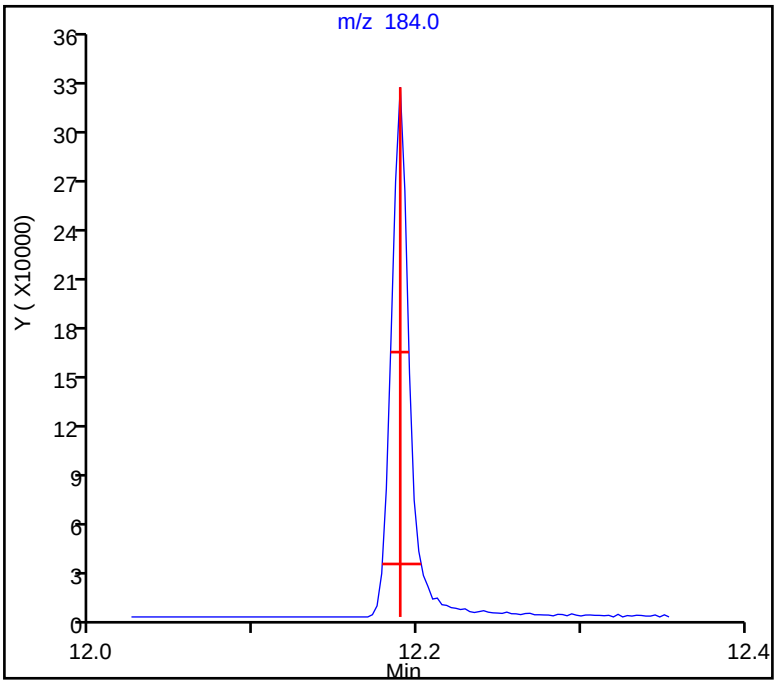
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D
Injection Date: 09-Mar-2022 09:48:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

232 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Buffalo

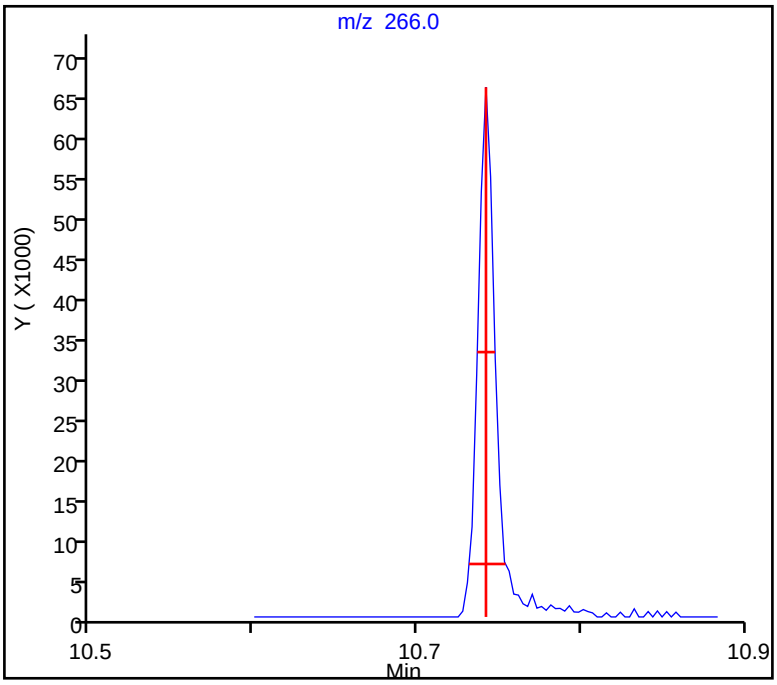
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481274.D				
Injection Date:	09-Mar-2022 09:48:30	Instrument ID:	HP5973X		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	JM	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

230 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.20, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617177/1-A
Matrix: Solid
Lab File ID: X21481279.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 11:50
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.010	0.00045
121-14-2	2,4-Dinitrotoluene	ND		0.0050	0.00043
118-74-1	Hexachlorobenzene	ND		0.0050	0.00050
87-68-3	Hexachlorobutadiene	ND		0.0050	0.00068
67-72-1	Hexachloroethane	ND		0.0050	0.00058
108-39-4	3-Methylphenol	ND		0.010	0.00040
95-48-7	2-Methylphenol	ND		0.0050	0.00040
106-44-5	4-Methylphenol	ND		0.010	0.00035
98-95-3	Nitrobenzene	ND		0.0050	0.00028
87-86-5	Pentachlorophenol	ND		0.010	0.0022
110-86-1	Pyridine	ND		0.025	0.00040
95-95-4	2,4,5-Trichlorophenol	ND		0.0050	0.00048
88-06-2	2,4,6-Trichlorophenol	ND		0.0050	0.00060

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	86		41-120
321-60-8	2-Fluorobiphenyl	97		48-120
367-12-4	2-Fluorophenol	51		35-120
4165-60-0	Nitrobenzene-d5	92		46-120
1718-51-0	p-Terphenyl-d14	107		60-148
4165-62-2	Phenol-d5	35		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481279.D
Lims ID: MB 480-617177/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-Mar-2022 11:50:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104283-007
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 10-Mar-2022 12:50:26 Calib Date: 25-Feb-2022 01:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: marshallj Date: 09-Mar-2022 12:42:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.639	5.715	-0.076	97	161851	40.0	40.0	
* 2 Naphthalene-d8	136	7.194	7.288	-0.094	100	597467	40.0	40.0	
* 3 Acenaphthene-d10	164	9.269	9.289	-0.020	93	285751	40.0	40.0	
* 4 Phenanthrene-d10	188	10.898	10.898	0.000	95	452637	40.0	40.0	
* 5 Chrysene-d12	240	13.282	13.291	-0.009	98	344041	40.0	40.0	
* 6 Perylene-d12	264	14.446	14.451	-0.005	93	323341	40.0	40.0	
$ 7 2-Fluorophenol	112	3.910	3.907	0.003	93	117117	40.0	20.5	
$ 8 Phenol-d5	99	5.210	5.261	-0.051	98	93989	40.0	14.0	
$ 9 Nitrobenzene-d5	82	6.326	6.428	-0.102	90	204893	40.0	36.9	a
$ 10 2-Fluorobiphenyl	172	8.491	8.528	-0.037	100	358029	40.0	38.7	
$ 11 2,4,6-Tribromophenol	330	10.171	10.180	-0.009	85	26091	40.0	34.3	
$ 12 p-Terphenyl-d14	244	12.388	12.388	0.000	96	354761	40.0	42.9	
199 2-Chlorotoluene	91		-0.700					ND	
191 N-Methylaniline	1		-0.700					ND	
211 5-Ethyl-5-phenyl barbituric acid	1		-0.700					ND	
213 Chlorobenzotrifluoride N.O.S	1		-0.700					ND	
204 Chlorotoluene N.O.S	1		-0.700					ND	
205 Lidocaine	1		-0.700					ND	
15 1,4-Dioxane	88		1.654					ND	U
16 N-Nitrosodimethylamine	74		1.935					ND	
17 Pyridine	52		1.989					ND	
18 2-Picoline	93		3.005					ND	
19 N-Nitrosomethylethylamine	88		3.178					ND	
20 Methyl methanesulfonate	80		3.652					ND	
21 Acrylamide	44		3.660					ND	
22 4-Chloropyridine	78		3.830					ND	
23 3-Chloropyridine	78		3.908					ND	
24 N-Nitrosodiethylamine	102		4.222					ND	
26 2-Chloropyridine	78		4.400					ND	
25 Ethyl methanesulfonate	79		4.654					ND	
27 Benzaldehyde	77		5.114					ND	
34 n,n'-Dimethylaniline	120		5.176					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
29 Aniline	93		5.273					ND	
30 Pentachloroethane	167		5.281					ND	
28 Phenol	94		5.281					ND	
31 Bis(2-chloroethyl)ether	93		5.375					ND	
32 2-Chlorophenol	128		5.437					ND	
35 n-Decane	57		5.548					ND	
36 1,3-Dichlorobenzene	146		5.639					ND	
37 1,4-Dichlorobenzene	146		5.735					ND	
33 p-Fluoroaniline	111		5.815					ND	
38 Benzyl alcohol	108		5.914					ND	
39 1,2-Dichlorobenzene	146		5.937					ND	
51 o-Anisidine	108		5.959					ND	
53 2,6-Dichloropyridine	112		5.996					ND	
229 Indene	115		6.053					ND	U
40 2-Methylphenol	108		6.082					ND	
42 2,2'-oxybis[1-chloropropane]	45		6.099					ND	
43 N-Nitrosopyrrolidine	100		6.115					ND	
44 N-Nitrosomorpholine	56		6.169					ND	
48 2-Toluidine	106		6.200					ND	
49 4-Methylbenzenamine	106		6.240					ND	
45 Acetophenone	105		6.243					ND	U
47 N-Nitrosodi-n-propylamine	70		6.260					ND	
46 4-Methylphenol	108		6.286					ND	
50 Hexachloroethane	117		6.368					ND	
52 Nitrobenzene	77		6.450					ND	
54 N-Nitrosopiperidine	114		6.535					ND	
212 2,4-Dichlorotoluene	125		6.675					ND	
57 2-Chloroaniline	127		6.731					ND	
66 5-Methyl-o-Anisidine	122		6.747					ND	
56 Isophorone	82		6.751					ND	
299 1,3-Dibromobenzene TIC	236		6.782					ND	
206 1,3,5-Trichlorobenzene	180		6.794					ND	
300 1,4-Dibromobenzene TIC	236		6.817					ND	
58 2-Nitrophenol	139		6.845					ND	
61 Tetraethyl lead	237		6.905					ND	
60 o,o',o''-Triethylphosphorothioat	198		6.910					ND	
59 2,4-Dimethylphenol	107		6.927					ND	
62 Bis(2-chloroethoxy)methane	93		7.029					ND	
63 alpha,alpha-Dimethyl phenethylam	58		7.080					ND	
64 Benzoic acid	105		7.129					ND	
65 2,4-Dichlorophenol	162		7.137					ND	
67 1,2,4-Trichlorobenzene	180		7.231					ND	
184 4-Chlorophenol	128		7.234					ND	
41 Alpha-Terpineol	59		7.279					ND	
69 Naphthalene	128		7.310					ND	
72 Hexachloropropene	213		7.344					ND	
71 4-Chloroaniline	127		7.387					ND	
70 2,6-Dichlorophenol	162		7.398					ND	
73 Hexachlorobutadiene	225		7.478					ND	
74 Quinoline	129		7.622					ND	
77 p-Phenylene diamine	108		7.725					ND	
76 N-Nitrosodi-n-butylamine	84		7.730					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
78 Caprolactam	113		7.790					ND	
79 4-Chloro-3-methylphenol	107		7.960					ND	
80 Safrole, Total	162		7.974					ND	
267 2,4,5-Trichlorotoluene	159		8.031					ND	
82 2-Methylnaphthalene	142		8.102					ND	
55 Phthalic anhydride	104		8.134					ND	
83 1-Methylnaphthalene	142		8.210					ND	
84 Hexachlorocyclopentadiene	237		8.295					ND	
85 1,2,4,5-Tetrachlorobenzene	216		8.298					ND	
292 Isosafrole Peak 1	162		8.326					ND	
269 2,3-Dichlorobenzenamine	161		8.406					ND	
86 2,4,6-Trichlorophenol	196		8.432					ND	
87 2,4,5-Trichlorophenol	196		8.474					ND	
294 Isosafrole Peak 2	162		8.593					ND	
89 Isosafrole	162		8.593					ND	
270 1,2,3,4 -Tetrachlorobenzene	216		8.602					ND	
90 1,1'-Biphenyl	154		8.636					ND	
91 2-Chloronaphthalene	162		8.650					ND	
92 1-Chloronaphthalene	162		8.664					ND	
93 2-Nitroaniline	65		8.775					ND	
94 1,4-Naphthoquinone	158		8.843					ND	
68 Dicyclohexylamine	138		8.880					ND	
95 1,4-Dinitrobenzene	168		8.922					ND	
96 Dimethyl phthalate	163		8.999					ND	
97 1,3-Dinitrobenzene	168		9.013					ND	
99 2,6-Dinitrotoluene	165		9.056					ND	
100 Acenaphthylene	152		9.121					ND	
101 3-Nitroaniline	138		9.246					ND	
102 Acenaphthene	153		9.326					ND	
103 2,4-Dinitrophenol	184		9.365					ND	
104 4-Nitrophenol	109		9.473					ND	
105 Pentachlorobenzene	250		9.490					ND	
106 2,4-Dinitrotoluene	165		9.519					ND	
107 Dibenzofuran	168		9.524					ND	
108 1-Naphthylamine	143		9.618					ND	
109 2,3,5,6-Tetrachlorophenol	232		9.635					ND	
110 2,3,4,6-Tetrachlorophenol	232		9.678					ND	
111 2-Naphthylamine	143		9.711					ND	
112 Diethyl phthalate	149		9.822					ND	
138 Hexadecane	57		9.862					ND	U
114 Thionazin	97		9.907					ND	
115 Fluorene	166		9.916					ND	
116 4-Chlorophenyl phenyl ether	204		9.927					ND	
117 N-Nitro-o-toluidine	152		9.941					ND	
118 4-Nitroaniline	138		9.947					ND	
119 4,6-Dinitro-2-methylphenol	198		9.984					ND	
121 Diphenylamine	169		10.058					ND	
120 N-Nitrosodiphenylamine	169		10.058					ND	
81 Tributyl phosphate	99		10.081					ND	
123 1,2-Diphenylhydrazine	77		10.100					ND	
122 Azobenzene	77		10.100					ND	
124 Sulfotepp	322		10.262					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
125 1,3,5-Trinitrobenzene	213		10.356					ND	
127 Diallate	86		10.390					ND	
295 Diallate Peak 1	86		10.390					ND	
128 Phorate	75		10.393					ND	
129 Phenacetin	108		10.415					ND	
130 4-Bromophenyl phenyl ether	248		10.452					ND	
297 Diallate Peak 2	86		10.478					ND	
131 Hexachlorobenzene	284		10.515					ND	
132 Dimethoate	87		10.557					ND	
88 Simazine	201		10.614					ND	
133 Atrazine	200		10.643					ND	
134 Pentachlorophenol	266		10.719					ND	
135 4-Aminobiphenyl	169		10.725					ND	
136 Pentachloronitrobenzene	237		10.739					ND	
137 Pronamide	173		10.810					ND	
113 n-Octadecane	57		10.841					ND	
141 Phenanthrene	178		10.921					ND	
139 Dinoseb	211		10.923					ND	
140 Disulfoton	88		10.926					ND	
142 Anthracene	178		10.972					ND	
143 Carbazole	167		11.136					ND	
144 Methyl parathion	109		11.284					ND	
98 Alachlor	160		11.304					ND	
271 2-Methylanthracene	192		11.477					ND	
145 Di-n-butyl phthalate	149		11.494					ND	
150 Octachlorostyrene	308		11.564					ND	
146 Ethyl Parathion	97		11.656					ND	
147 4-Nitroquinoline-1-oxide	190		11.664					ND	
148 Anthraquinone	180		11.701					ND	
149 Methapyrilene	58		11.755					ND	
151 Isodrin	193		11.914					ND	
152 Fluoranthene	202		12.045					ND	
153 1-Hydroxyanthraquinone	224		12.090					ND	
154 Benzidine	184		12.170					ND	
155 Pyrene	202		12.243					ND	
293 Aramite Peak 1	185		12.379					ND	
296 Aramite Peak 2	185		12.445					ND	
156 Aramite, Total	185		12.445					ND	
157 1,4-Dihydroxyanthraquinone	240		12.502					ND	
158 p-Dimethylamino azobenzene	120		12.516					ND	
159 Chlorobenzilate	139		12.558					ND	
160 Famphur	218		12.777					ND	
161 3,3'-Dimethylbenzidine	212		12.802					ND	
162 Butyl benzyl phthalate	149		12.814					ND	
163 9-Octadecenamide	72		12.839					ND	
126 Kepone	272		12.859					ND	
164 2-Acetylaminofluorene	181		13.015					ND	
166 3,3'-Dichlorobenzidine	252		13.259					ND	
165 4,4'-Methylene bis(2-chloroanil	231		13.262					ND	
167 Benzo[a]anthracene	228		13.279					ND	
172 Bis(2-ethylhexyl) phthalate	149		13.302					ND	
169 Chrysene	228		13.311					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
170 6-Methylchrysene	242		13.688					ND	
168 Di-n-octyl phthalate	149		13.824					ND	
176 Hexachlorophene	196		14.106					ND	
173 7,12-Dimethylbenz(a)anthracene	256		14.145					ND	
174 Benzo[b]fluoranthene	252		14.153					ND	
175 Benzo[k]fluoranthene	252		14.173					ND	
268 Benzo[e]pyrene	252		14.380					ND	
177 Benzo[a]pyrene	252		14.409					ND	
178 3-Methylcholanthrene	252		14.684					ND	
179 Dibenz[a,h]acridine	279		15.141					ND	
180 Indeno[1,2,3-cd]pyrene	276		15.360					ND	
181 Dibenz(a,h)anthracene	278		15.368					ND	
182 Benzo[g,h,i]perylene	276		15.618					ND	
183 Dibenzo[a,e]pyrene	302		17.039					ND	
278 Photomirex TIC	1		-0.700					ND	
215 1-Methylcyclopentanol	1		-0.700					ND	
276 4-Chloro-3-nitro-alpha,alpha,alp	1		-0.700					ND	
272 Benzophenone	1		-0.700					ND	
203 Pendimethalin	1		-0.700					ND	
287 2,6-Dichlorotoluene TIC	1		-0.700					ND	
224 CBF-400	1		-0.700					ND	
200 Dibenzo[a,h]pyrene	1		-0.700					ND	
185 Phenylmercaptan	110		-0.700					ND	
298 2-Aminopyridine TIC	1		-0.700					ND	
289 2-Chlorobenzotrifluoride TIC	1		-0.700					ND	
221 CBF-500	1		-0.700					ND	
207 3-Chlorobenzotrifluoride	1		-0.700					ND	
190 Benzeneacetonitrile	1		-0.700					ND	
209 7H-Dibenzo[c,g]carbazole	1		-0.700					ND	
195 Phenylacetic Acid	1		-0.700					ND	
210 3-Chlorotoluene	1		-0.700					ND	
201 2,3-Dichlorophenol	1		-0.700					ND	
192 NVF-400	1		-0.700					ND	
290 2,4-Dichlorotoluene TIC	1		-0.700					ND	
188 CAG-800	1		-0.700					ND	
196 CU-600	1		-0.700					ND	
217 1-Bromopropane	1		-0.700					ND	
216 4-Chlorobenzotrifluoride	1		-0.700					ND	
274 Phenyl ether	1		-0.700					ND	
291 3-Chlorobenzotrifluoride TIC	1		-0.700					ND	
273 4-tert-Octylphenol	1		-0.700					ND	
275 1,2,3-Trimethylbenzene	105		-0.700					ND	
186 Dibenz[a,j]acridine	279		-0.700					ND	
193 Dibenz(a,i)pyrene	1		-0.700					ND	
208 n,n'-Dimethylacetamide	1		-0.700					ND	
194 CN-500	1		-0.700					ND	
202 4-Chlorotoluene	91		-0.700					ND	
277 1,4-Dioxane TIC	1		-0.700					ND	
225 2,4-Toluene diamine	1		-0.700					ND	
219 alpha,alpha-Dimethyl phenethylam	1		-0.700					ND	
223 2-Chlorobenzotrifluoride	1		-0.700					ND	
S 239 EPH Adjustment 1	1		-0.700					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
S 237 Total Cresols	1		-0.700					ND	
S 236 3 & 4 Methylphenol	108		-0.700					ND	
S 238 3-Methylphenol	1		-0.700					ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 12:51:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481279.D

Injection Date: 09-Mar-2022 11:50:30 Instrument ID: HP5973X Operator ID: JM

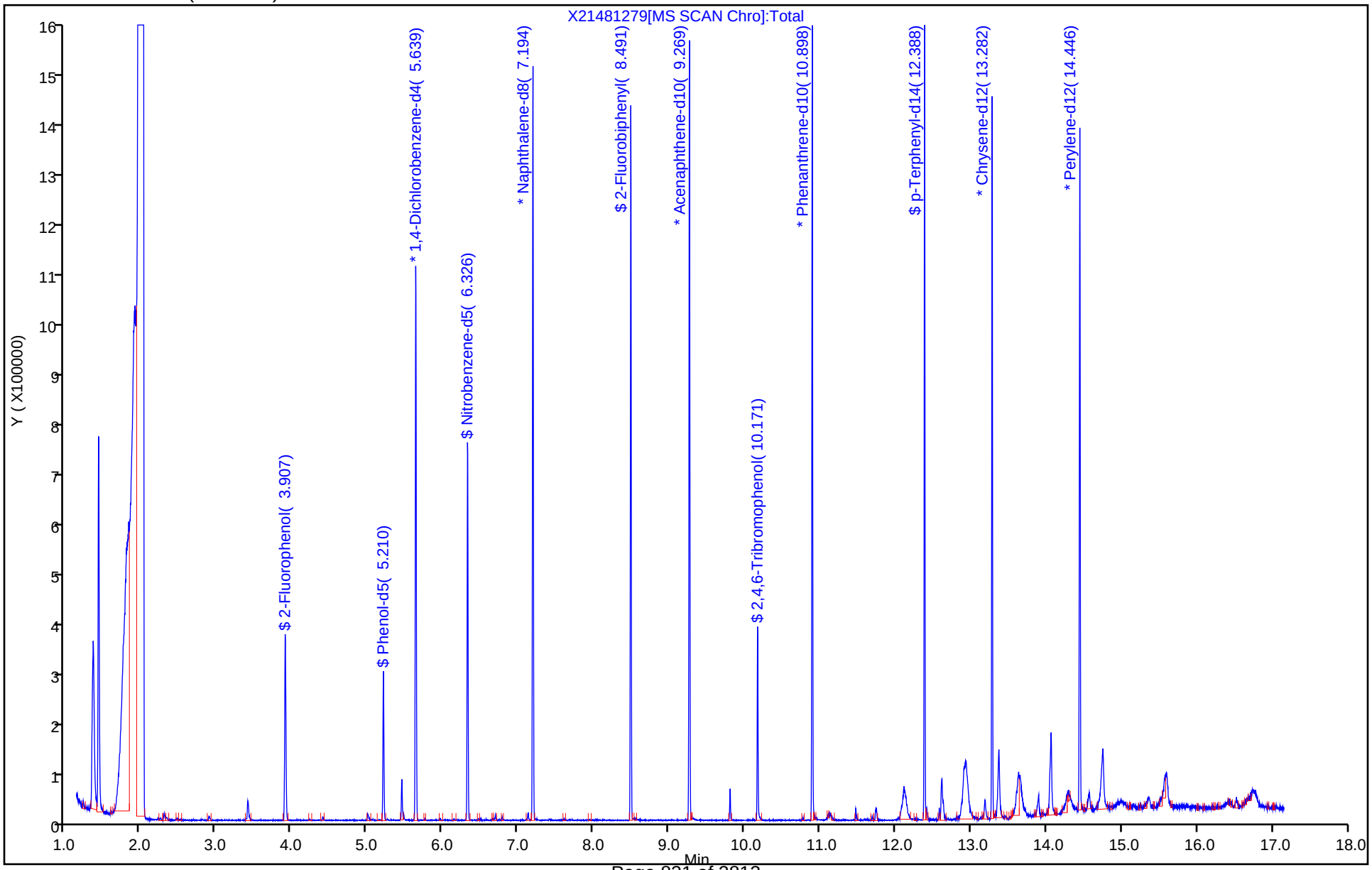
Lims ID: MB 480-617177/1-A Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: X-8270 Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481279.D				
Lims ID:	MB 480-617177/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 11:50:30	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-007				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 12:50:26	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 12:42:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	20.5	51.20
$ 8 Phenol-d5	40.0	14.0	34.92
$ 9 Nitrobenzene-d5	40.0	36.9	92.18
$ 10 2-Fluorobiphenyl	40.0	38.7	96.66
$ 11 2,4,6-Tribromophenol	40.0	34.3	85.85
$ 12 p-Terphenyl-d14	40.0	42.9	107.13

Manual Integration/User Assign Peak Report

Eurofins Buffalo

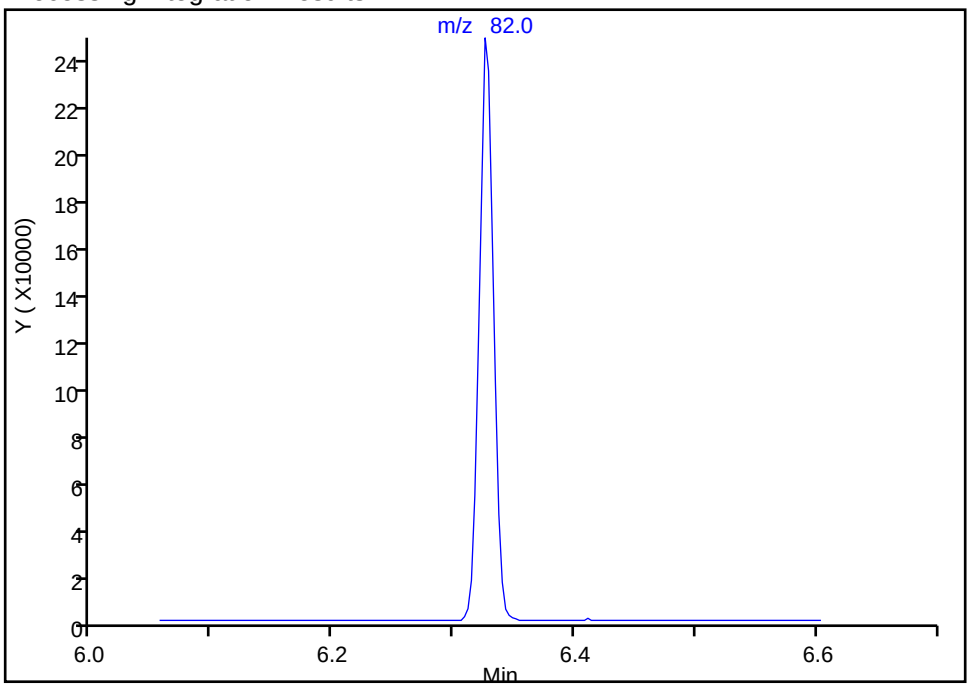
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481279.D				
Injection Date:	09-Mar-2022 11:50:30	Instrument ID:	HP5973X		
Lims ID:	MB 480-617177/1-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

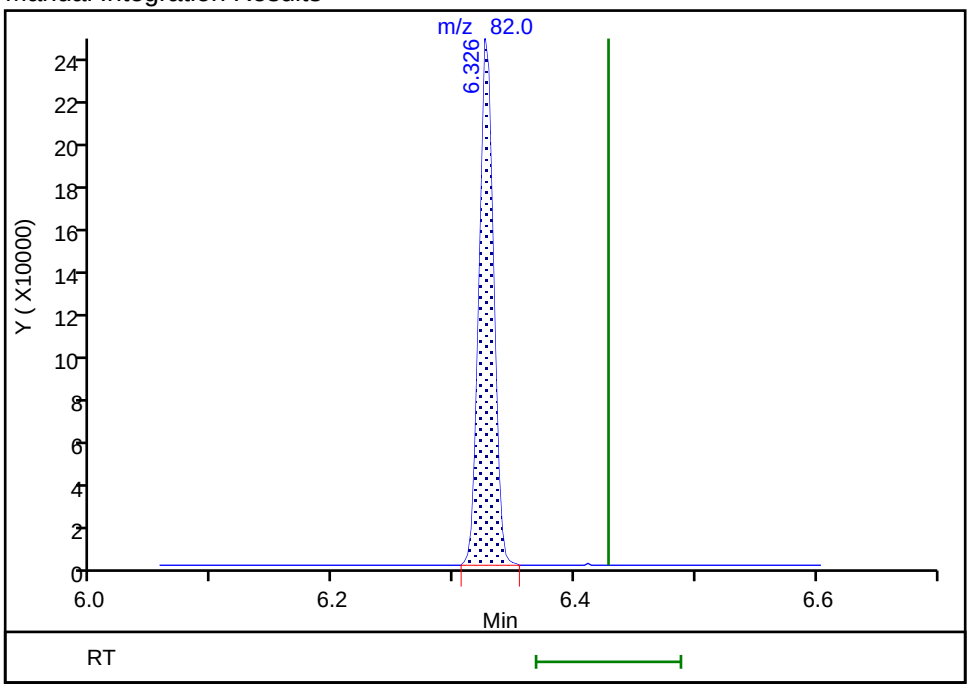
Processing Integration Results

Not Detected
Expected RT: 6.43



Manual Integration Results

RT: 6.33
Area: 204893
Amount: 36.871736
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:42:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 480-616935/1-F
Matrix: Solid (TCLP)
Lab File ID: X21481282.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 13:03
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		0.040	0.0018
121-14-2	2,4-Dinitrotoluene	ND		0.020	0.0017
118-74-1	Hexachlorobenzene	ND		0.020	0.0020
87-68-3	Hexachlorobutadiene	ND		0.020	0.0027
67-72-1	Hexachloroethane	ND		0.020	0.0023
108-39-4	3-Methylphenol	ND		0.040	0.0016
95-48-7	2-Methylphenol	ND		0.020	0.0016
106-44-5	4-Methylphenol	ND		0.040	0.0014
98-95-3	Nitrobenzene	ND		0.020	0.0011
87-86-5	Pentachlorophenol	ND		0.040	0.0088
110-86-1	Pyridine	ND		0.10	0.0016
95-95-4	2,4,5-Trichlorophenol	ND		0.020	0.0019
88-06-2	2,4,6-Trichlorophenol	ND		0.020	0.0024

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		41-120
321-60-8	2-Fluorobiphenyl	94		48-120
367-12-4	2-Fluorophenol	52		35-120
4165-60-0	Nitrobenzene-d5	94		46-120
1718-51-0	p-Terphenyl-d14	103		60-148
4165-62-2	Phenol-d5	33		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481282.D
Lims ID: LB 480-616935/1-F
Client ID:
Sample Type: LB
Inject. Date: 09-Mar-2022 13:03:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104283-010
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 10-Mar-2022 12:50:26 Calib Date: 25-Feb-2022 01:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.636	5.715	-0.079	97	161290	40.0	40.0	
* 2 Naphthalene-d8	136	7.188	7.288	-0.100	99	571863	40.0	40.0	
* 3 Acenaphthene-d10	164	9.257	9.289	-0.032	92	270606	40.0	40.0	
* 4 Phenanthrene-d10	188	10.887	10.898	-0.011	97	427944	40.0	40.0	
* 5 Chrysene-d12	240	13.279	13.291	-0.012	98	315433	40.0	40.0	
* 6 Perylene-d12	264	14.443	14.451	-0.008	94	306071	40.0	40.0	
$ 7 2-Fluorophenol	112	3.907	3.907	0.000	93	117493	40.0	20.6	
$ 8 Phenol-d5	99	5.207	5.261	-0.054	98	88476	40.0	13.2	
$ 9 Nitrobenzene-d5	82	6.320	6.428	-0.108	90	199719	40.0	37.5	a
$ 10 2-Fluorobiphenyl	172	8.485	8.528	-0.043	99	330355	40.0	37.7	
$ 11 2,4,6-Tribromophenol	330	10.163	10.180	-0.017	83	28851	40.0	39.9	
$ 12 p-Terphenyl-d14	244	12.385	12.388	-0.003	97	313565	40.0	41.3	
199 2-Chlorotoluene	91		-0.700					ND	
191 N-Methylaniline	1		-0.700					ND	
211 5-Ethyl-5-phenyl barbituric acid	1		-0.700					ND	
213 Chlorobenzotrifluoride N.O.S	1		-0.700					ND	
204 Chlorotoluene N.O.S	1		-0.700					ND	
205 Lidocaine	1		-0.700					ND	
15 1,4-Dioxane	88		1.654					ND	
16 N-Nitrosodimethylamine	74		1.935					ND	
17 Pyridine	52		1.989					ND	
18 2-Picoline	93		3.005					ND	
19 N-Nitrosomethylethylamine	88		3.178					ND	
20 Methyl methanesulfonate	80		3.652					ND	
21 Acrylamide	44		3.660					ND	
22 4-Chloropyridine	78		3.830					ND	
23 3-Chloropyridine	78		3.908					ND	
24 N-Nitrosodiethylamine	102		4.222					ND	
26 2-Chloropyridine	78		4.400					ND	
25 Ethyl methanesulfonate	79		4.654					ND	
27 Benzaldehyde	77		5.114					ND	
34 n,n'-Dimethylaniline	120		5.176					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
29 Aniline	93		5.273					ND	
30 Pentachloroethane	167		5.281					ND	
28 Phenol	94		5.281					ND	
31 Bis(2-chloroethyl)ether	93		5.375					ND	
32 2-Chlorophenol	128		5.437					ND	
35 n-Decane	57		5.548					ND	
36 1,3-Dichlorobenzene	146		5.639					ND	
37 1,4-Dichlorobenzene	146		5.735					ND	
33 p-Fluoroaniline	111		5.815					ND	
38 Benzyl alcohol	108		5.914					ND	
39 1,2-Dichlorobenzene	146		5.937					ND	
51 o-Anisidine	108		5.959					ND	
53 2,6-Dichloropyridine	112		5.996					ND	
229 Indene	115		6.053					ND	U
40 2-Methylphenol	108		6.082					ND	
42 2,2'-oxybis[1-chloropropane]	45		6.099					ND	
43 N-Nitrosopyrrolidine	100		6.115					ND	
44 N-Nitrosomorpholine	56		6.169					ND	
48 2-Toluidine	106		6.200					ND	
49 4-Methylbenzenamine	106		6.240					ND	
45 Acetophenone	105		6.243					ND	
47 N-Nitrosodi-n-propylamine	70		6.260					ND	
46 4-Methylphenol	108		6.286					ND	
50 Hexachloroethane	117		6.368					ND	
52 Nitrobenzene	77		6.450					ND	
54 N-Nitrosopiperidine	114		6.535					ND	
212 2,4-Dichlorotoluene	125		6.675					ND	
57 2-Chloroaniline	127		6.731					ND	
66 5-Methyl-o-Anisidine	122		6.747					ND	
56 Isophorone	82		6.751					ND	
299 1,3-Dibromobenzene TIC	236		6.782					ND	
206 1,3,5-Trichlorobenzene	180		6.794					ND	
300 1,4-Dibromobenzene TIC	236		6.817					ND	
58 2-Nitrophenol	139		6.845					ND	
61 Tetraethyl lead	237		6.905					ND	
60 o,o',o''-Triethylphosphorothioat	198		6.910					ND	
59 2,4-Dimethylphenol	107		6.927					ND	
62 Bis(2-chloroethoxy)methane	93		7.029					ND	
63 alpha,alpha-Dimethyl phenethylam	58		7.080					ND	
64 Benzoic acid	105		7.129					ND	
65 2,4-Dichlorophenol	162		7.137					ND	
67 1,2,4-Trichlorobenzene	180		7.231					ND	
184 4-Chlorophenol	128		7.234					ND	
41 Alpha-Terpineol	59		7.279					ND	
69 Naphthalene	128		7.310					ND	
72 Hexachloropropene	213		7.344					ND	
71 4-Chloroaniline	127		7.387					ND	
70 2,6-Dichlorophenol	162		7.398					ND	
73 Hexachlorobutadiene	225		7.478					ND	
74 Quinoline	129		7.622					ND	
77 p-Phenylene diamine	108		7.725					ND	
76 N-Nitrosodi-n-butylamine	84		7.730					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
78 Caprolactam	113		7.790					ND	
79 4-Chloro-3-methylphenol	107		7.960					ND	
80 Safrole, Total	162		7.974					ND	
267 2,4,5-Trichlorotoluene	159		8.031					ND	
82 2-Methylnaphthalene	142		8.102					ND	
55 Phthalic anhydride	104		8.134					ND	
83 1-Methylnaphthalene	142		8.210					ND	
84 Hexachlorocyclopentadiene	237		8.295					ND	
85 1,2,4,5-Tetrachlorobenzene	216		8.298					ND	
292 Isosafrole Peak 1	162		8.326					ND	
269 2,3-Dichlorobenzenamine	161		8.406					ND	
86 2,4,6-Trichlorophenol	196		8.432					ND	
87 2,4,5-Trichlorophenol	196		8.474					ND	
294 Isosafrole Peak 2	162		8.593					ND	
89 Isosafrole	162		8.593					ND	
270 1,2,3,4 -Tetrachlorobenzene	216		8.602					ND	
90 1,1'-Biphenyl	154		8.636					ND	
91 2-Chloronaphthalene	162		8.650					ND	
92 1-Chloronaphthalene	162		8.664					ND	
93 2-Nitroaniline	65		8.775					ND	
94 1,4-Naphthoquinone	158		8.843					ND	
68 Dicyclohexylamine	138		8.880					ND	
95 1,4-Dinitrobenzene	168		8.922					ND	
96 Dimethyl phthalate	163		8.999					ND	
97 1,3-Dinitrobenzene	168		9.013					ND	
99 2,6-Dinitrotoluene	165		9.056					ND	
100 Acenaphthylene	152		9.121					ND	
101 3-Nitroaniline	138		9.246					ND	
102 Acenaphthene	153		9.326					ND	
103 2,4-Dinitrophenol	184		9.365					ND	
104 4-Nitrophenol	109		9.473					ND	
105 Pentachlorobenzene	250		9.490					ND	
106 2,4-Dinitrotoluene	165		9.519					ND	
107 Dibenzofuran	168		9.524					ND	
108 1-Naphthylamine	143		9.618					ND	
109 2,3,5,6-Tetrachlorophenol	232		9.635					ND	
110 2,3,4,6-Tetrachlorophenol	232		9.678					ND	
111 2-Naphthylamine	143		9.711					ND	
112 Diethyl phthalate	149		9.822					ND	
138 Hexadecane	57		9.862					ND	
114 Thionazin	97		9.907					ND	
115 Fluorene	166		9.916					ND	
116 4-Chlorophenyl phenyl ether	204		9.927					ND	
117 N-Nitro-o-toluidine	152		9.941					ND	
118 4-Nitroaniline	138		9.947					ND	
119 4,6-Dinitro-2-methylphenol	198		9.984					ND	
121 Diphenylamine	169		10.058					ND	
120 N-Nitrosodiphenylamine	169		10.058					ND	
81 Tributyl phosphate	99		10.081					ND	
123 1,2-Diphenylhydrazine	77		10.100					ND	
122 Azobenzene	77		10.100					ND	
124 Sulfotepp	322		10.262					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
125 1,3,5-Trinitrobenzene	213		10.356					ND	
127 Diallate	86		10.390					ND	
295 Diallate Peak 1	86		10.390					ND	
128 Phorate	75		10.393					ND	
129 Phenacetin	108		10.415					ND	
130 4-Bromophenyl phenyl ether	248		10.452					ND	
297 Diallate Peak 2	86		10.478					ND	
131 Hexachlorobenzene	284		10.515					ND	
132 Dimethoate	87		10.557					ND	
88 Simazine	201		10.614					ND	
133 Atrazine	200		10.643					ND	
134 Pentachlorophenol	266		10.719					ND	
135 4-Aminobiphenyl	169		10.725					ND	
136 Pentachloronitrobenzene	237		10.739					ND	
137 Pronamide	173		10.810					ND	
113 n-Octadecane	57		10.841					ND	
141 Phenanthrene	178		10.921					ND	
139 Dinoseb	211		10.923					ND	
140 Disulfoton	88		10.926					ND	
142 Anthracene	178		10.972					ND	
143 Carbazole	167		11.136					ND	
144 Methyl parathion	109		11.284					ND	
98 Alachlor	160		11.304					ND	
271 2-Methylanthracene	192		11.477					ND	
145 Di-n-butyl phthalate	149		11.494					ND	
150 Octachlorostyrene	308		11.564					ND	
146 Ethyl Parathion	97		11.656					ND	
147 4-Nitroquinoline-1-oxide	190		11.664					ND	
148 Anthraquinone	180		11.701					ND	
149 Methapyrilene	58		11.755					ND	
151 Isodrin	193		11.914					ND	
152 Fluoranthene	202		12.045					ND	
153 1-Hydroxyanthraquinone	224		12.090					ND	
154 Benzidine	184		12.170					ND	
155 Pyrene	202		12.243					ND	
293 Aramite Peak 1	185		12.379					ND	
296 Aramite Peak 2	185		12.445					ND	
156 Aramite, Total	185		12.445					ND	
157 1,4-Dihydroxyanthraquinone	240		12.502					ND	
158 p-Dimethylamino azobenzene	120		12.516					ND	
159 Chlorobenzilate	139		12.558					ND	
160 Famphur	218		12.777					ND	
161 3,3'-Dimethylbenzidine	212		12.802					ND	
162 Butyl benzyl phthalate	149		12.814					ND	
163 9-Octadecenamide	72		12.839					ND	
126 Kepone	272		12.859					ND	
164 2-Acetylaminofluorene	181		13.015					ND	
166 3,3'-Dichlorobenzidine	252		13.259					ND	
165 4,4'-Methylene bis(2-chloroanil	231		13.262					ND	
167 Benzo[a]anthracene	228		13.279					ND	
172 Bis(2-ethylhexyl) phthalate	149		13.302					ND	
169 Chrysene	228		13.311					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
170 6-Methylchrysene	242		13.688					ND	
168 Di-n-octyl phthalate	149		13.824					ND	
176 Hexachlorophene	196		14.106					ND	
173 7,12-Dimethylbenz(a)anthracene	256		14.145					ND	
174 Benzo[b]fluoranthene	252		14.153					ND	
175 Benzo[k]fluoranthene	252		14.173					ND	
268 Benzo[e]pyrene	252		14.380					ND	
177 Benzo[a]pyrene	252		14.409					ND	
178 3-Methylcholanthrene	252		14.684					ND	
179 Dibenz[a,h]acridine	279		15.141					ND	
180 Indeno[1,2,3-cd]pyrene	276		15.360					ND	
181 Dibenz(a,h)anthracene	278		15.368					ND	
182 Benzo[g,h,i]perylene	276		15.618					ND	
183 Dibenzo[a,e]pyrene	302		17.039					ND	
278 Photomirex TIC	1		-0.700					ND	
215 1-Methylcyclopentanol	1		-0.700					ND	
276 4-Chloro-3-nitro-alpha,alpha,alp	1		-0.700					ND	
272 Benzophenone	1		-0.700					ND	
203 Pendimethalin	1		-0.700					ND	
287 2,6-Dichlorotoluene TIC	1		-0.700					ND	
224 CBF-400	1		-0.700					ND	
200 Dibenzo[a,h]pyrene	1		-0.700					ND	
185 Phenylmercaptan	110		-0.700					ND	
298 2-Aminopyridine TIC	1		-0.700					ND	
289 2-Chlorobenzotrifluoride TIC	1		-0.700					ND	
221 CBF-500	1		-0.700					ND	
207 3-Chlorobenzotrifluoride	1		-0.700					ND	
190 Benzeneacetonitrile	1		-0.700					ND	
209 7H-Dibenzo[c,g]carbazole	1		-0.700					ND	
195 Phenylacetic Acid	1		-0.700					ND	
210 3-Chlorotoluene	1		-0.700					ND	
201 2,3-Dichlorophenol	1		-0.700					ND	
192 NVF-400	1		-0.700					ND	
290 2,4-Dichlorotoluene TIC	1		-0.700					ND	
188 CAG-800	1		-0.700					ND	
196 CU-600	1		-0.700					ND	
217 1-Bromopropane	1		-0.700					ND	
216 4-Chlorobenzotrifluoride	1		-0.700					ND	
274 Phenyl ether	1		-0.700					ND	
291 3-Chlorobenzotrifluoride TIC	1		-0.700					ND	
273 4-tert-Octylphenol	1		-0.700					ND	
275 1,2,3-Trimethylbenzene	105		-0.700					ND	
186 Dibenz[a,j]acridine	279		-0.700					ND	
193 Dibenz(a,i)pyrene	1		-0.700					ND	
208 n,n'-Dimethylacetamide	1		-0.700					ND	
194 CN-500	1		-0.700					ND	
202 4-Chlorotoluene	91		-0.700					ND	
277 1,4-Dioxane TIC	1		-0.700					ND	
225 2,4-Toluene diamine	1		-0.700					ND	
219 alpha,alpha-Dimethyl phenethylam	1		-0.700					ND	
223 2-Chlorobenzotrifluoride	1		-0.700					ND	
S 239 EPH Adjustment 1	1		-0.700					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
S 237 Total Cresols	1		-0.700					ND	
S 236 3 & 4 Methylphenol	108		-0.700					ND	
S 238 3-Methylphenol	1		-0.700					ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

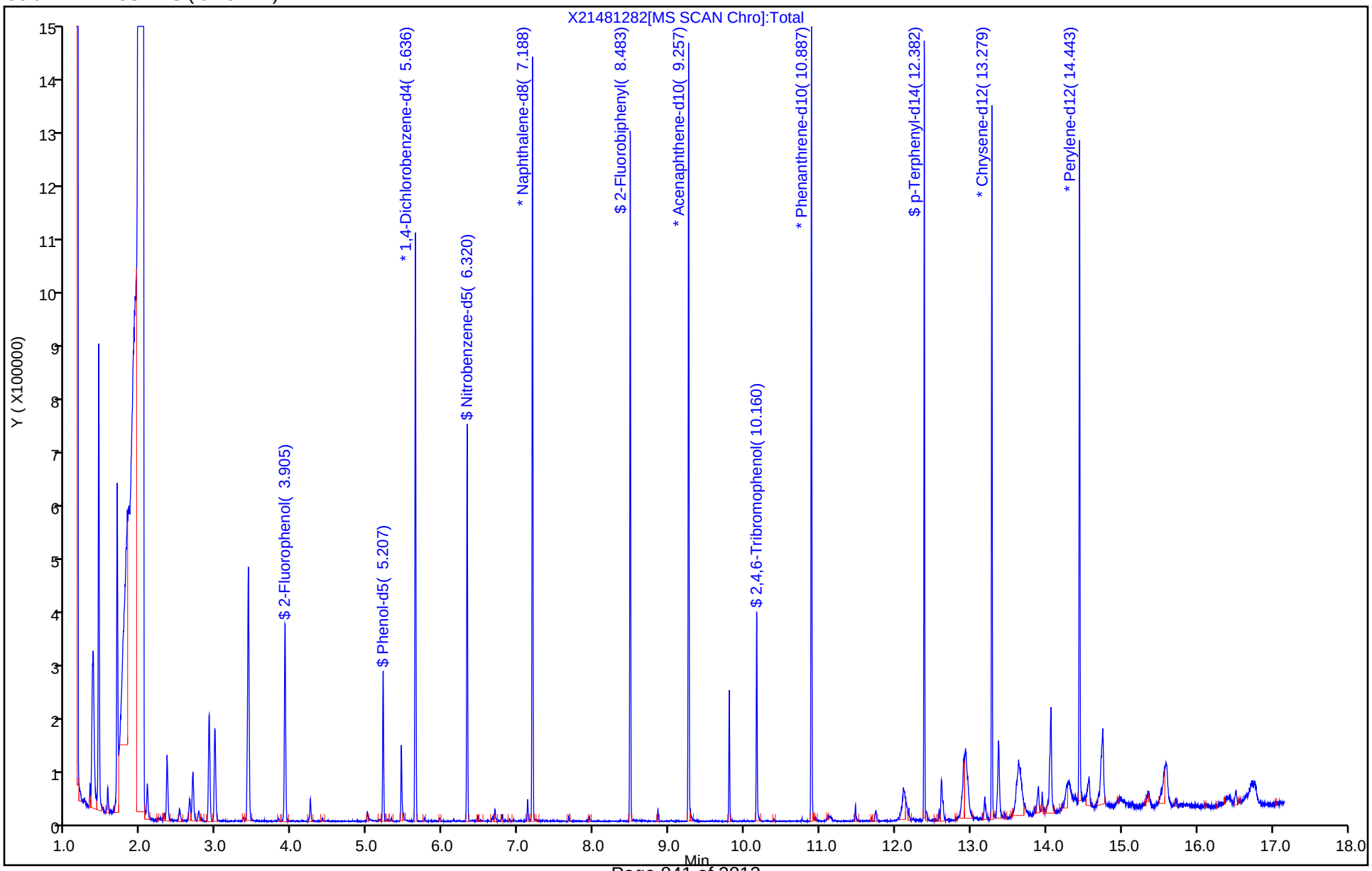
MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 12:51:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481282.D				
Injection Date:	09-Mar-2022 13:03:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	LB 480-616935/1-F			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481282.D				
Lims ID:	LB 480-616935/1-F				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 13:03:30	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-010				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 12:50:26	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:42:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	20.6	51.55
$ 8 Phenol-d5	40.0	13.2	33.02
$ 9 Nitrobenzene-d5	40.0	37.5	93.87
$ 10 2-Fluorobiphenyl	40.0	37.7	94.16
$ 11 2,4,6-Tribromophenol	40.0	39.9	99.86
$ 12 p-Terphenyl-d14	40.0	41.3	103.28

Manual Integration/User Assign Peak Report

Eurofins Buffalo

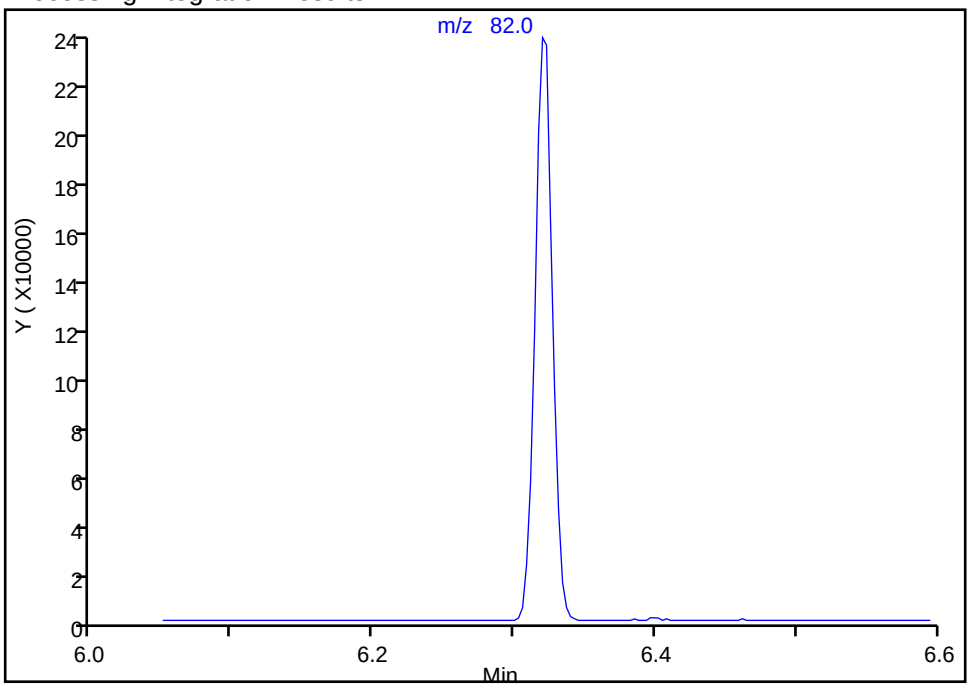
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481282.D				
Injection Date:	09-Mar-2022 13:03:30	Instrument ID:	HP5973X		
Lims ID:	LB 480-616935/1-F				
Client ID:					
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

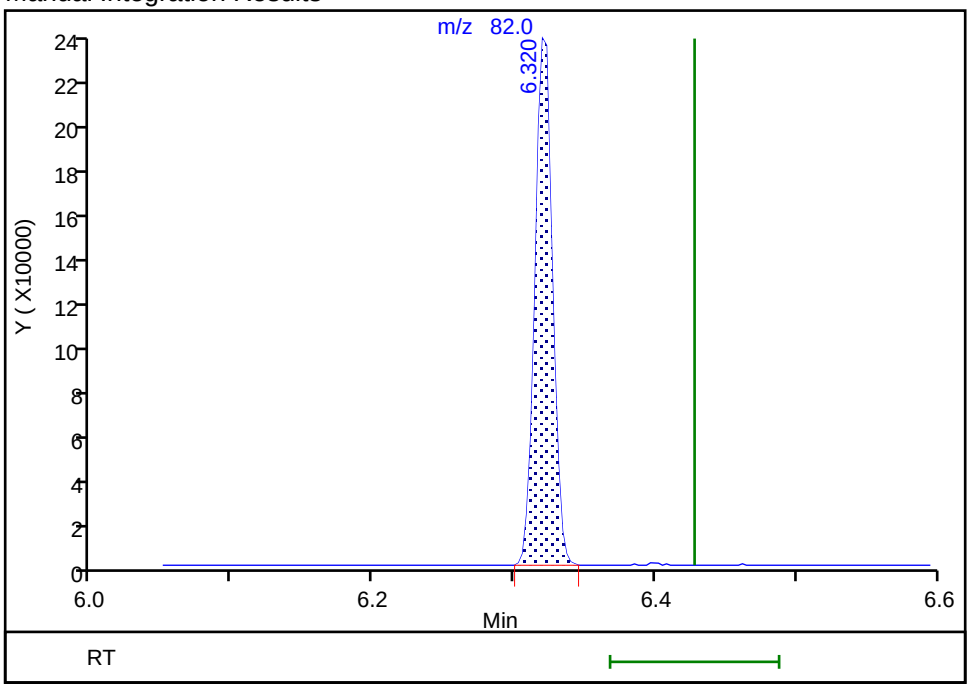
Not Detected
Expected RT: 6.43

Processing Integration Results



Manual Integration Results

RT: 6.32
Area: 199719
Amount: 37.549813
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:42:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617177/2-A
Matrix: Solid
Lab File ID: X21481280.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 12:14
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.0313		0.010	0.00045
121-14-2	2,4-Dinitrotoluene	0.0462		0.0050	0.00043
118-74-1	Hexachlorobenzene	0.0455		0.0050	0.00050
87-68-3	Hexachlorobutadiene	0.0323		0.0050	0.00068
67-72-1	Hexachloroethane	0.0289		0.0050	0.00058
108-39-4	3-Methylphenol	0.0303		0.010	0.00040
95-48-7	2-Methylphenol	0.0328		0.0050	0.00040
106-44-5	4-Methylphenol	0.0303		0.010	0.00035
98-95-3	Nitrobenzene	0.0404		0.0050	0.00028
87-86-5	Pentachlorophenol	0.106		0.010	0.0022
110-86-1	Pyridine	0.0195	J	0.025	0.00040
95-95-4	2,4,5-Trichlorophenol	0.0441		0.0050	0.00048
88-06-2	2,4,6-Trichlorophenol	0.0427		0.0050	0.00060

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		41-120
321-60-8	2-Fluorobiphenyl	81		48-120
367-12-4	2-Fluorophenol	44		35-120
4165-60-0	Nitrobenzene-d5	80		46-120
1718-51-0	p-Terphenyl-d14	93		60-148
4165-62-2	Phenol-d5	29		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D
Lims ID: LCS 480-617177/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Mar-2022 12:14:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104283-008
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 10-Mar-2022 12:50:26 Calib Date: 25-Feb-2022 01:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: marshallj Date: 09-Mar-2022 12:44:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.636	5.715	-0.079	95	155265	40.0	40.0	
* 2 Naphthalene-d8	136	7.194	7.288	-0.094	99	548296	40.0	40.0	
* 3 Acenaphthene-d10	164	9.263	9.289	-0.026	92	268937	40.0	40.0	
* 4 Phenanthrene-d10	188	10.892	10.898	-0.006	96	412512	40.0	40.0	
* 5 Chrysene-d12	240	13.285	13.291	-0.006	98	312761	40.0	40.0	
* 6 Perylene-d12	264	14.446	14.451	-0.005	94	304855	40.0	40.0	
$ 7 2-Fluorophenol	112	3.907	3.907	0.000	94	95854	40.0	17.5	
$ 8 Phenol-d5	99	5.210	5.261	-0.051	96	73392	40.0	11.4	
$ 9 Nitrobenzene-d5	82	6.326	6.428	-0.102	90	162837	40.0	31.9	a
$ 10 2-Fluorobiphenyl	172	8.488	8.528	-0.040	100	282229	40.0	32.3	
$ 11 2,4,6-Tribromophenol	330	10.166	10.180	-0.014	83	27841	40.0	40.0	
$ 12 p-Terphenyl-d14	244	12.385	12.388	-0.003	96	279857	40.0	37.2	
15 1,4-Dioxane	88	1.657	1.432	0.003	96	47035	50.0	18.4	
16 N-Nitrosodimethylamine	74	1.938	1.935	0.003	94	86732	50.0	22.6	
17 Pyridine	52	1.992	1.989	0.003	84	104289	100.0	19.5	a
27 Benzaldehyde	77	5.068	5.042	-0.046	92	325567	100.0	77.9	
29 Aniline	93	5.219	5.199	-0.054	93	264186	50.0	31.2	
28 Phenol	94	5.224	5.208	-0.057	83	118014	50.0	16.0	
31 Bis(2-chloroethyl)ether	93	5.315	5.300	-0.060	95	206468	50.0	36.9	
32 2-Chlorophenol	128	5.372	5.362	-0.065	98	198964	50.0	36.3	a
35 n-Decane	57	5.480	5.471	-0.068	93	195547	50.0	24.6	a
36 1,3-Dichlorobenzene	146	5.565	5.563	-0.074	98	186155	50.0	30.7	a
37 1,4-Dichlorobenzene	146	5.659	5.655	-0.076	94	190802	50.0	31.3	a
38 Benzyl alcohol	108	5.829	5.832	-0.085	94	117682	50.0	33.0	a
39 1,2-Dichlorobenzene	146	5.849	5.854	-0.088	97	186749	50.0	33.0	a
229 Indene	115	5.965	5.959	-0.088	91	2363207	400.0	280.2	a
40 2-Methylphenol	108	5.988	5.997	-0.094	94	157722	50.0	32.8	a
42 2,2'-oxybis[1-chloropropane]	45	6.005	6.014	-0.094	94	321939	50.0	33.7	a
45 Acetophenone	105	6.147	6.156	-0.096	95	262512	50.0	37.6	a
47 N-Nitrosodi-n-propylamine	70	6.164	6.173	-0.096	88	142569	50.0	38.0	a
46 4-Methylphenol	108	6.187	6.198	-0.099	95	151171	50.0	30.3	a
50 Hexachloroethane	117	6.266	6.280	-0.102	97	68383	50.0	28.9	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
52 Nitrobenzene	77	6.348	6.362	-0.102	89	206235	50.0	40.4	a
56 Isophorone	82	6.646	6.659	-0.105	99	377177	50.0	40.3	a
58 2-Nitrophenol	139	6.740	6.752	-0.105	94	105273	50.0	43.1	a
59 2,4-Dimethylphenol	107	6.825	6.833	-0.102	94	194601	50.0	40.8	a
62 Bis(2-chloroethoxy)methane	93	6.930	6.934	-0.099	98	231778	50.0	39.4	a
64 Benzoic acid	105	7.027	7.032	-0.102	86	466633	400.0	154.9	a
65 2,4-Dichlorophenol	162	7.038	7.040	-0.099	95	154007	50.0	40.7	a
67 1,2,4-Trichlorobenzene	180	7.135	7.132	-0.096	94	139575	50.0	35.1	a
69 Naphthalene	128	7.217	7.211	-0.093	98	517831	50.0	36.7	a
71 4-Chloroaniline	127	7.296	7.286	-0.091	96	238641	50.0	40.2	a
70 2,6-Dichlorophenol	162	7.308	7.298	-0.090	98	146655	50.0	40.1	a
73 Hexachlorobutadiene	225	7.393	7.376	-0.085	97	65666	50.0	32.3	a
78 Caprolactam	113	7.699	7.684	-0.091	77	34757	100.0	23.8	a
79 4-Chloro-3-methylphenol	107	7.898	7.852	-0.062	97	163838	50.0	42.5	a
82 2-Methylnaphthalene	142	8.043	7.992	-0.059	93	328686	50.0	35.9	
83 1-Methylnaphthalene	142	8.156	8.098	-0.054	93	320161	50.0	37.9	
84 Hexachlorocyclopentadiene	237	8.247	8.267	-0.048	89	74105	50.0	31.8	
85 1,2,4,5-Tetrachlorobenzene	216	8.247	8.270	-0.051	92	126917	50.0	37.9	
86 2,4,6-Trichlorophenol	196	8.389	8.403	-0.043	94	98997	50.0	42.7	
87 2,4,5-Trichlorophenol	196	8.429	8.446	-0.045	93	107522	50.0	44.1	
90 1,1'-Biphenyl	154	8.599	8.607	-0.037	97	406755	50.0	39.1	
91 2-Chloronaphthalene	162	8.610	8.632	-0.040	97	310725	50.0	38.6	
93 2-Nitroaniline	65	8.741	8.745	-0.034	86	113565	50.0	44.1	
96 Dimethyl phthalate	163	8.974	8.969	-0.025	98	382267	50.0	44.7	
97 1,3-Dinitrobenzene	168	8.988	8.890	-0.025	85	64441	50.0	46.4	
99 2,6-Dinitrotoluene	165	9.030	9.025	-0.026	95	93241	50.0	45.5	
100 Acenaphthylene	152	9.093	9.091	-0.028	98	485089	50.0	39.0	
101 3-Nitroaniline	138	9.221	9.215	-0.025	94	99699	50.0	42.4	
102 Acenaphthene	153	9.300	9.294	-0.026	95	324275	50.0	40.3	
103 2,4-Dinitrophenol	184	9.343	9.334	-0.022	84	92810	100.0	105.4	
104 4-Nitrophenol	109	9.451	9.441	-0.022	92	45754	100.0	43.7	
106 2,4-Dinitrotoluene	165	9.499	9.487	-0.020	93	118050	50.0	46.2	
107 Dibenzofuran	168	9.504	9.492	-0.020	95	442492	50.0	41.6	
110 2,3,4,6-Tetrachlorophenol	232	9.658	9.645	-0.020	78	77075	50.0	49.1	
112 Diethyl phthalate	149	9.805	9.789	-0.017	98	387278	50.0	45.4	
138 Hexadecane	57	9.848	9.829	-0.014	90	288952	50.0	38.9	
115 Fluorene	166	9.899	9.883	-0.017	94	365822	50.0	42.7	
116 4-Chlorophenyl phenyl ether	204	9.913	9.894	-0.014	93	157621	50.0	42.8	
118 4-Nitroaniline	138	9.930	9.914	-0.017	87	104845	50.0	48.3	
119 4,6-Dinitro-2-methylphenol	198	9.967	9.974	-0.017	83	114768	100.0	102.1	
121 Diphenylamine	169	10.047	10.047	-0.011	95	268550	42.8	38.5	
120 N-Nitrosodiphenylamine	169	10.047	10.047	-0.011	98	268550	50.0	45.0	
123 1,2-Diphenylhydrazine	77	10.086	10.066	-0.014	97	385104	50.0	43.4	
122 Azobenzene	77	10.086	10.090	-0.014	100	385104	50.0	43.4	
130 4-Bromophenyl phenyl ether	248	10.441	10.441	-0.011	73	83317	50.0	44.3	
131 Hexachlorobenzene	284	10.506	10.504	-0.009	89	79576	50.0	45.5	
133 Atrazine	200	10.637	10.607	-0.006	89	193837	100.0	94.0	
134 Pentachlorophenol	266	10.714	10.708	-0.005	87	101741	100.0	106.4	
113 n-Octadecane	57	10.836	10.830	-0.005	92	314482	50.0	43.6	
141 Phenanthrene	178	10.915	10.921	-0.006	98	517242	50.0	45.6	
142 Anthracene	178	10.966	10.960	-0.006	98	526550	50.0	45.3	
143 Carbazole	167	11.131	11.125	-0.005	96	504021	50.0	47.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
145 Di-n-butyl phthalate	149	11.491	11.494	-0.003	100	631805	50.0	46.2	
152 Fluoranthene	202	12.042	12.045	-0.003	99	517340	50.0	48.0	
154 Benzidine	184	12.164	12.159	-0.006	99	51824	100.0	9.64	
155 Pyrene	202	12.241	12.235	-0.003	96	536657	50.0	47.4	
162 Butyl benzyl phthalate	149	12.811	12.806	-0.003	98	278741	50.0	46.7	
166 3,3'-Dichlorobenzidine	252	13.257	13.248	-0.002	76	316653	100.0	94.1	
167 Benzo[a]anthracene	228	13.274	13.279	-0.005	99	471456	50.0	46.0	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.302	-0.003	98	399466	50.0	45.3	
169 Chrysene	228	13.308	13.302	-0.002	97	439109	50.0	44.4	
168 Di-n-octyl phthalate	149	13.821	13.824	-0.003	99	705954	50.0	47.7	
174 Benzo[b]fluoranthene	252	14.148	14.145	-0.005	98	450518	50.0	45.5	
175 Benzo[k]fluoranthene	252	14.168	14.165	-0.005	96	472392	50.0	47.7	
177 Benzo[a]pyrene	252	14.400	14.409	-0.009	81	400681	50.0	41.8	
180 Indeno[1,2,3-cd]pyrene	276	15.354	15.351	-0.006	95	463870	50.0	47.1	
181 Dibenz(a,h)anthracene	278	15.360	15.359	-0.008	92	413722	50.0	47.6	
182 Benzo[g,h,i]perylene	276	15.609	15.609	-0.009	93	408814	50.0	46.5	
S 238 3-Methylphenol	1				0		50.0	30.3	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

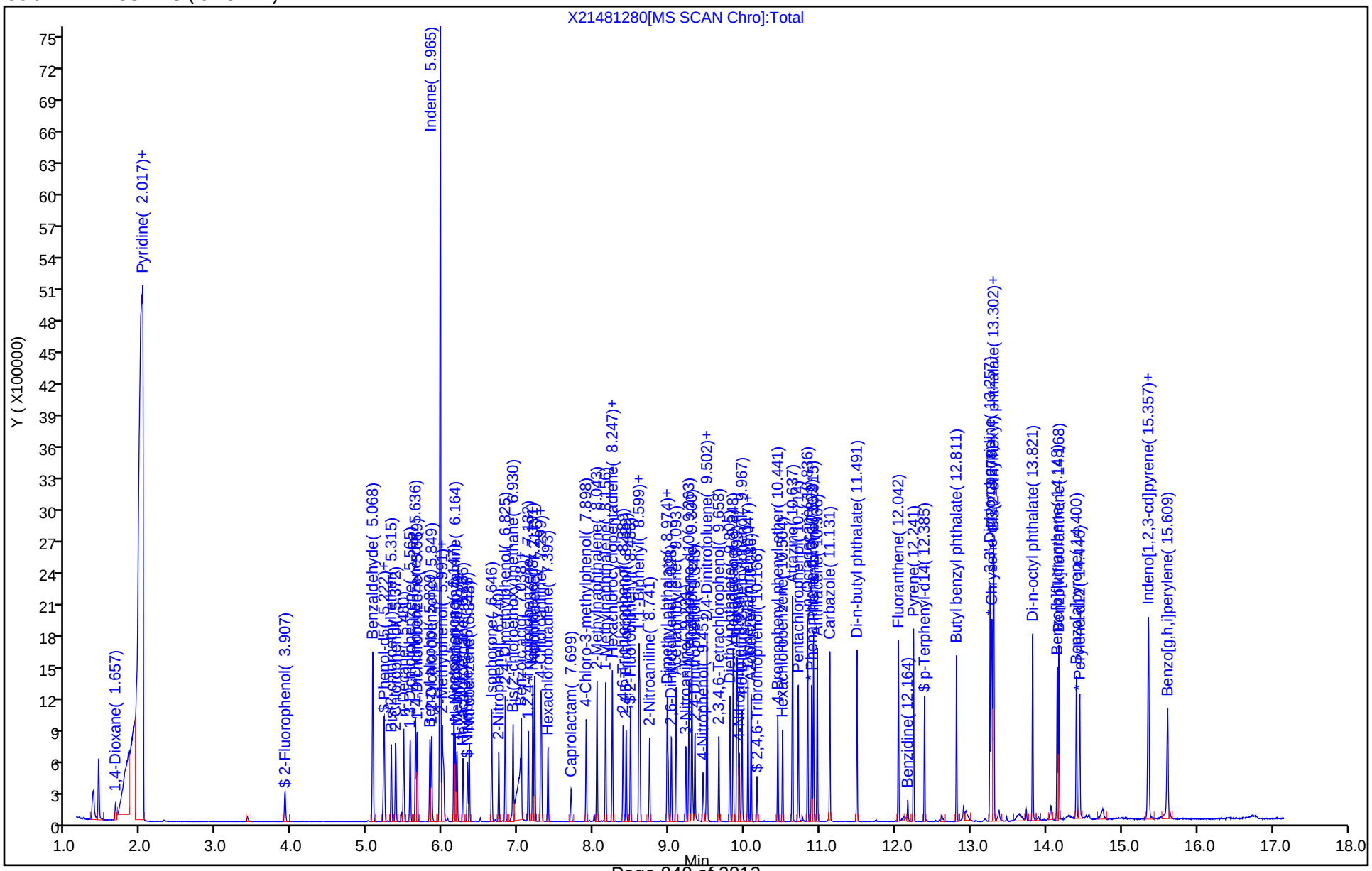
MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 12:51:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	LCS 480-617177/2-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Mar-2022 12:14:30	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-008				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 12:50:26	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 12:44:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	17.5	43.68
$ 8 Phenol-d5	40.0	11.4	28.55
$ 9 Nitrobenzene-d5	40.0	31.9	79.83
$ 10 2-Fluorobiphenyl	40.0	32.3	80.80
$ 11 2,4,6-Tribromophenol	40.0	40.0	99.97
$ 12 p-Terphenyl-d14	40.0	37.2	92.96

Manual Integration/User Assign Peak Report

Eurofins Buffalo

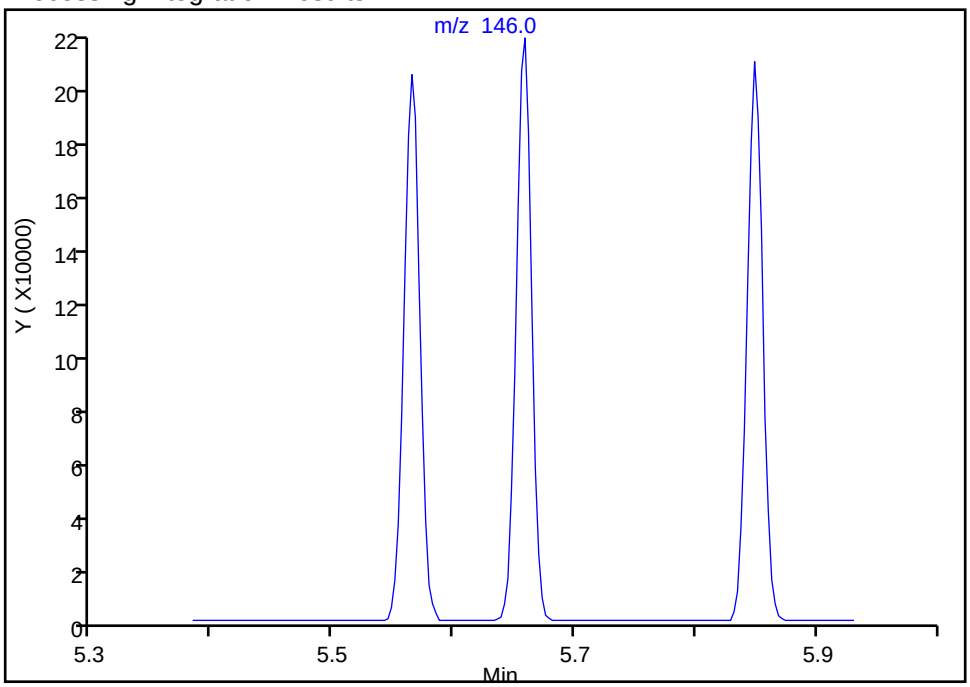
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

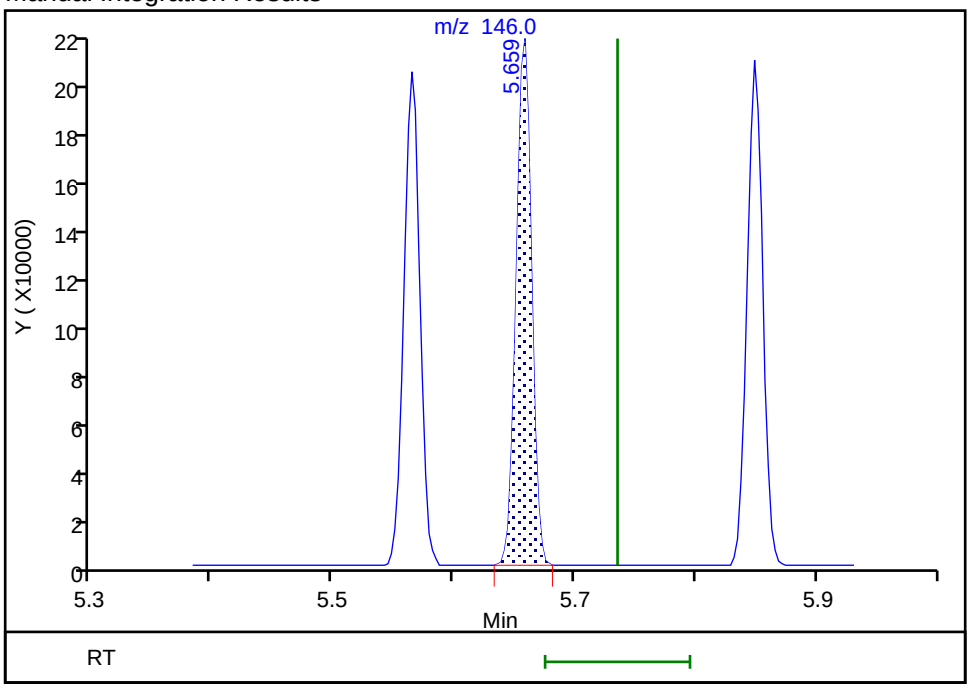
Processing Integration Results

Not Detected
Expected RT: 5.74



Manual Integration Results

RT: 5.66
Area: 190802
Amount: 31.312426
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

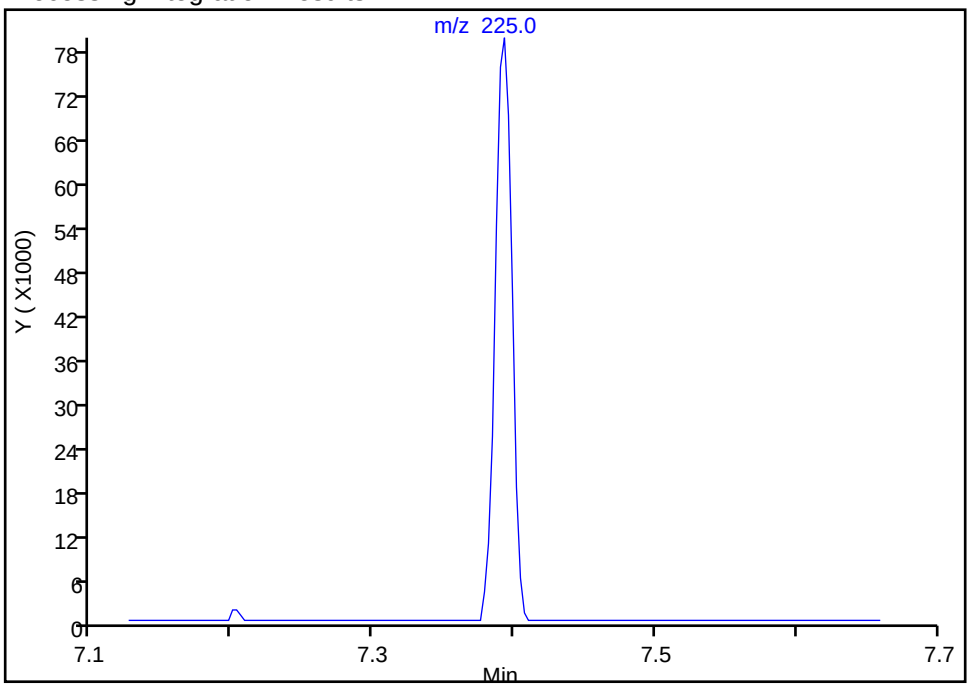
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

73 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

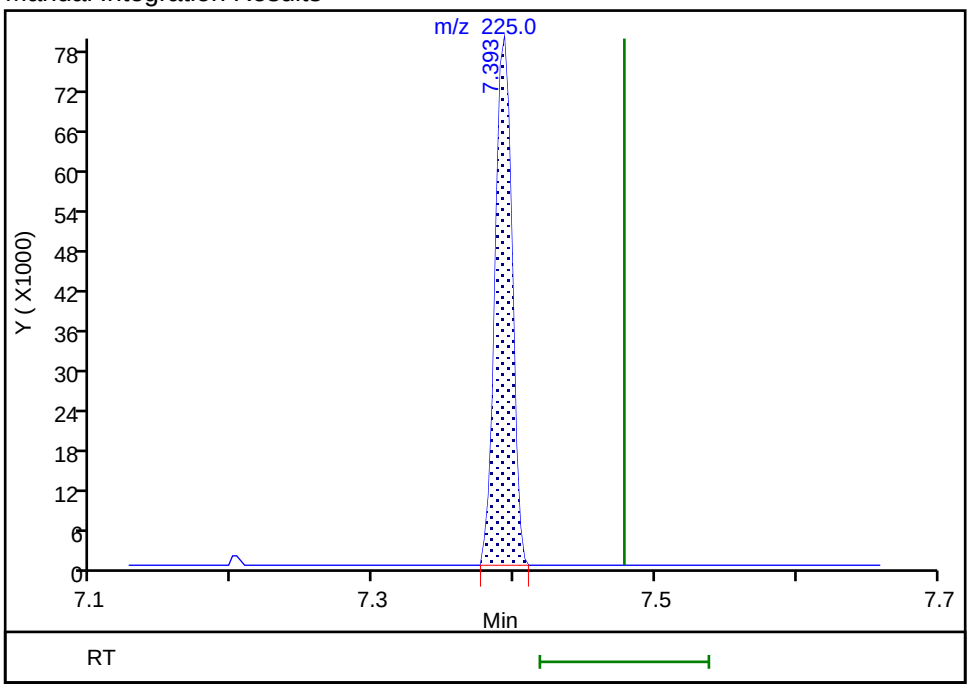
Processing Integration Results

Not Detected
Expected RT: 7.48



Manual Integration Results

RT: 7.39
Area: 65666
Amount: 32.255513
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

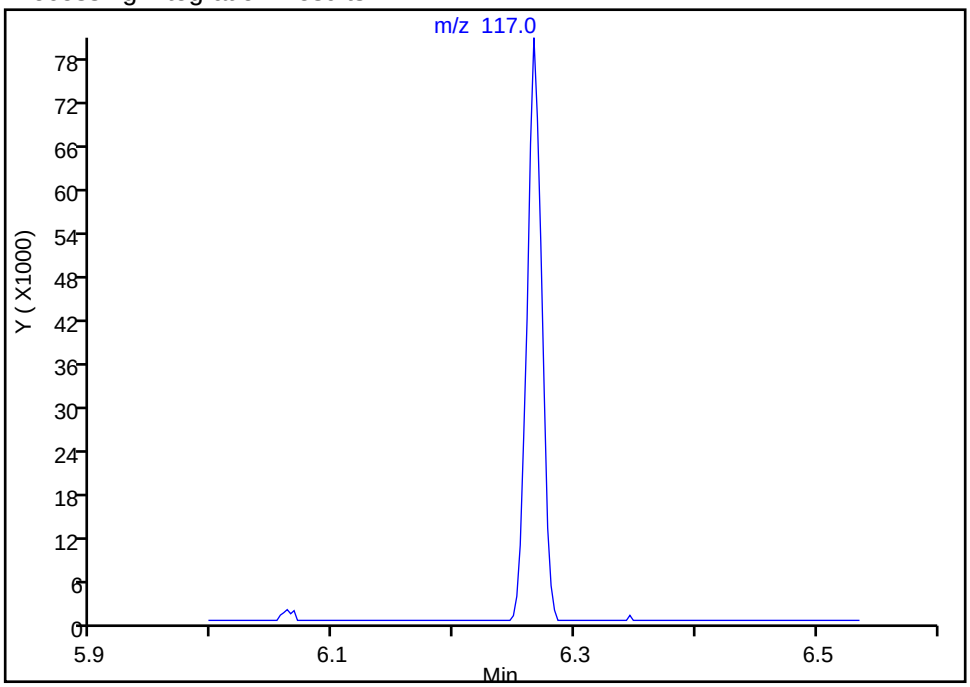
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

50 Hexachloroethane, CAS: 67-72-1

Signal: 1

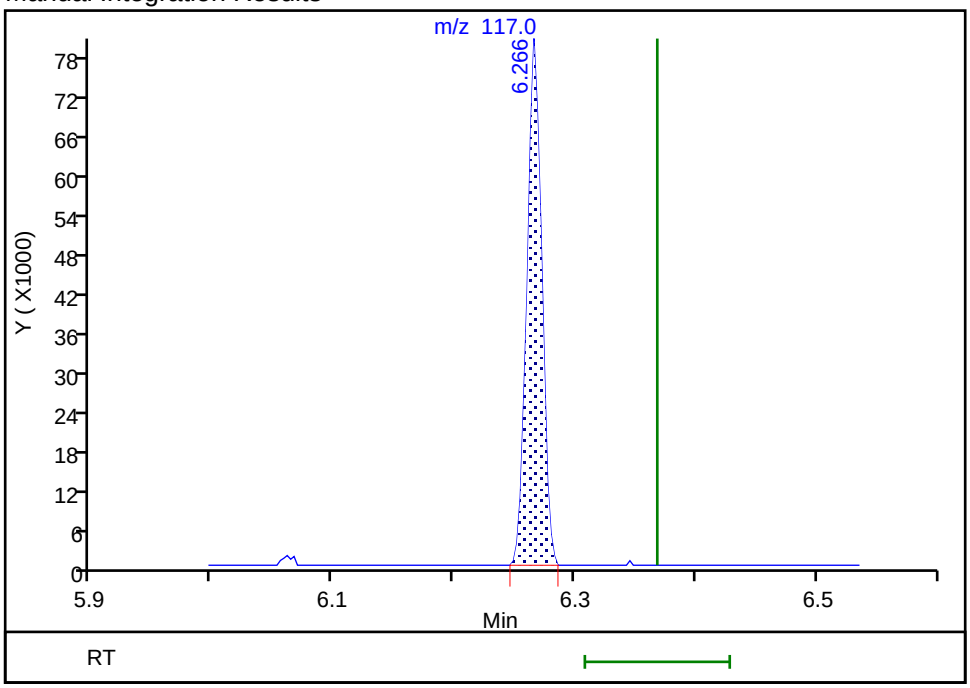
Not Detected
Expected RT: 6.37

Processing Integration Results



Manual Integration Results

RT: 6.27
Area: 68383
Amount: 28.910234
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

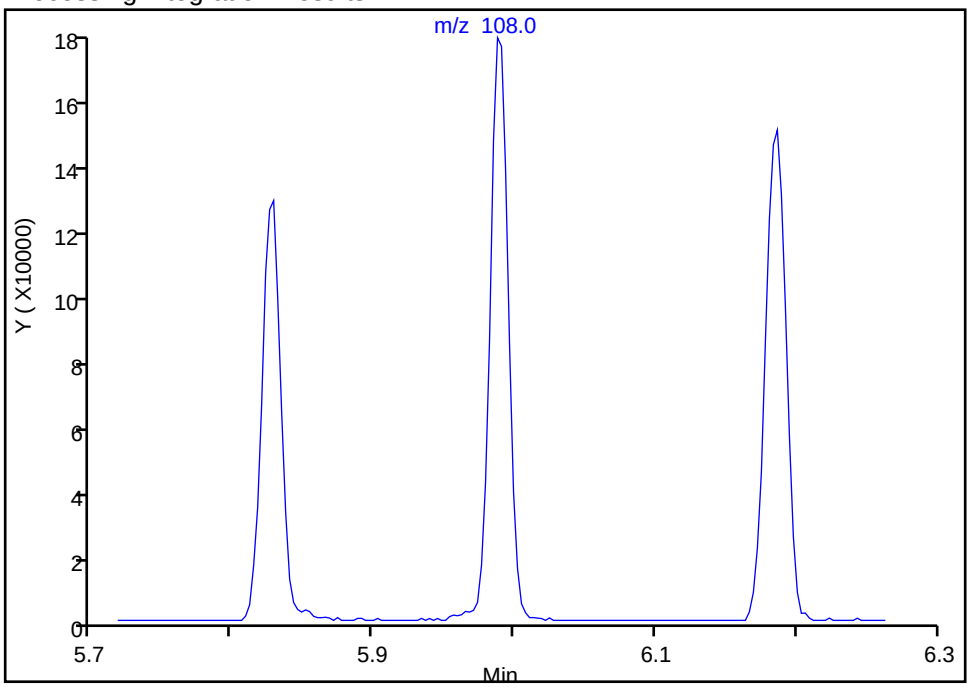
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 2-Methylphenol, CAS: 95-48-7

Signal: 1

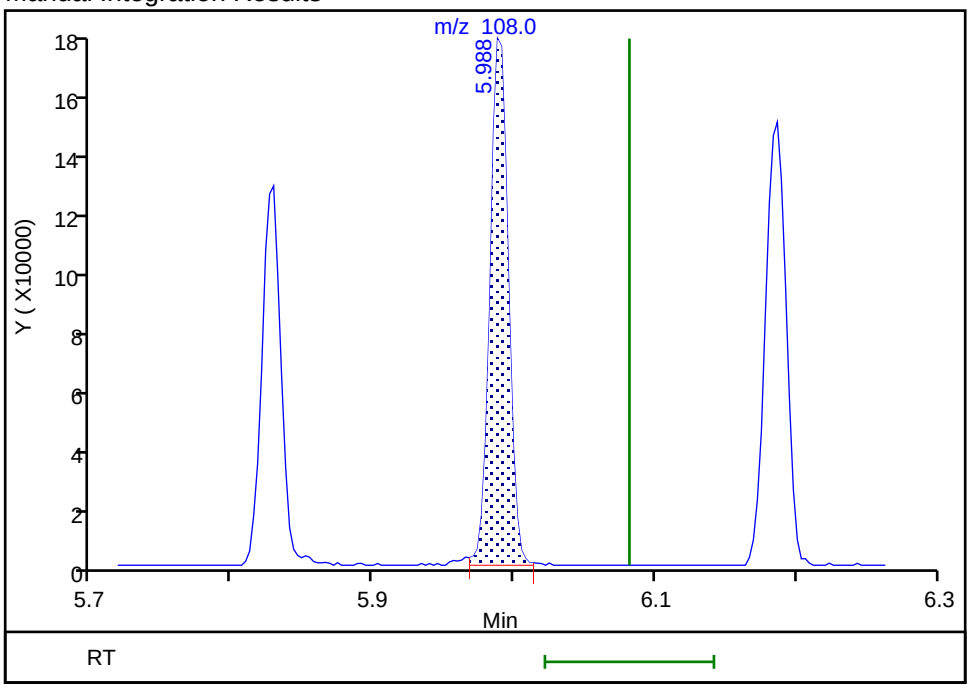
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 5.99
Area: 157722
Amount: 32.790666
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

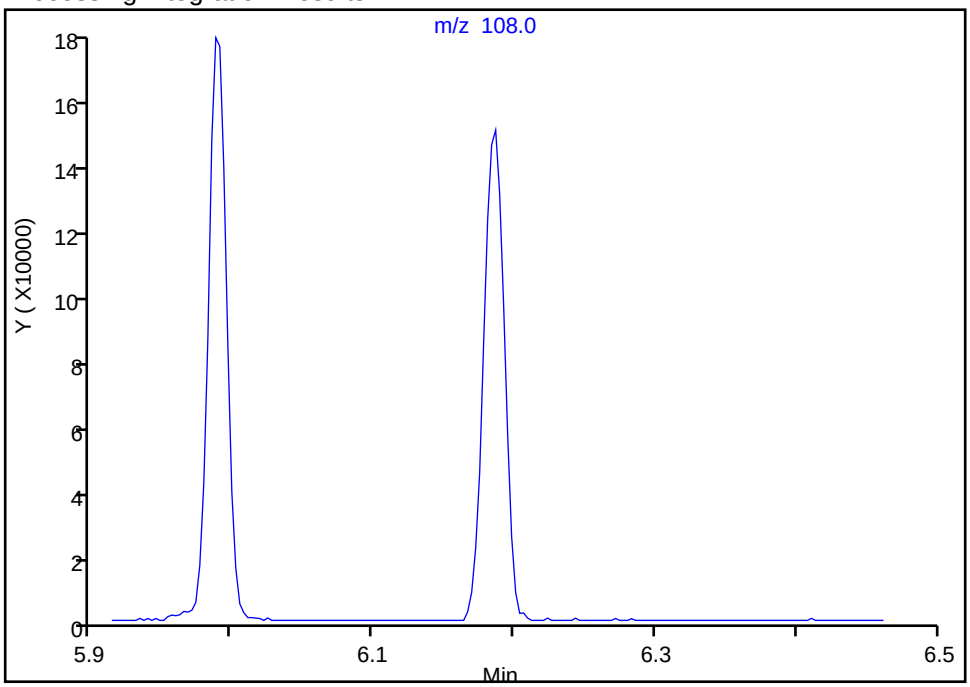
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

46 4-Methylphenol, CAS: 106-44-5

Signal: 1

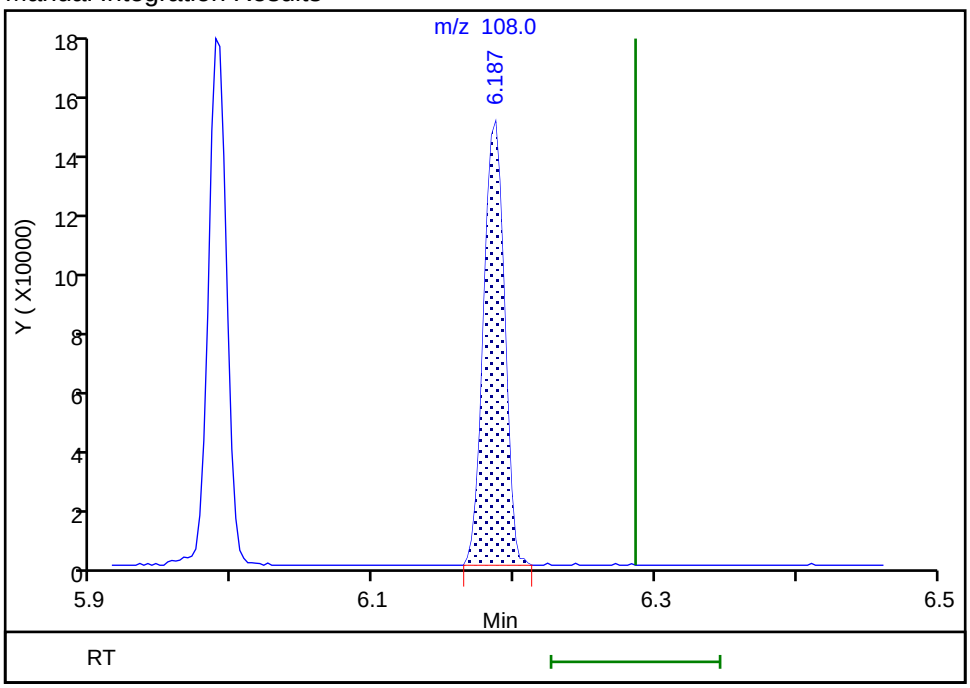
Not Detected
Expected RT: 6.29

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 151171
Amount: 30.281739
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

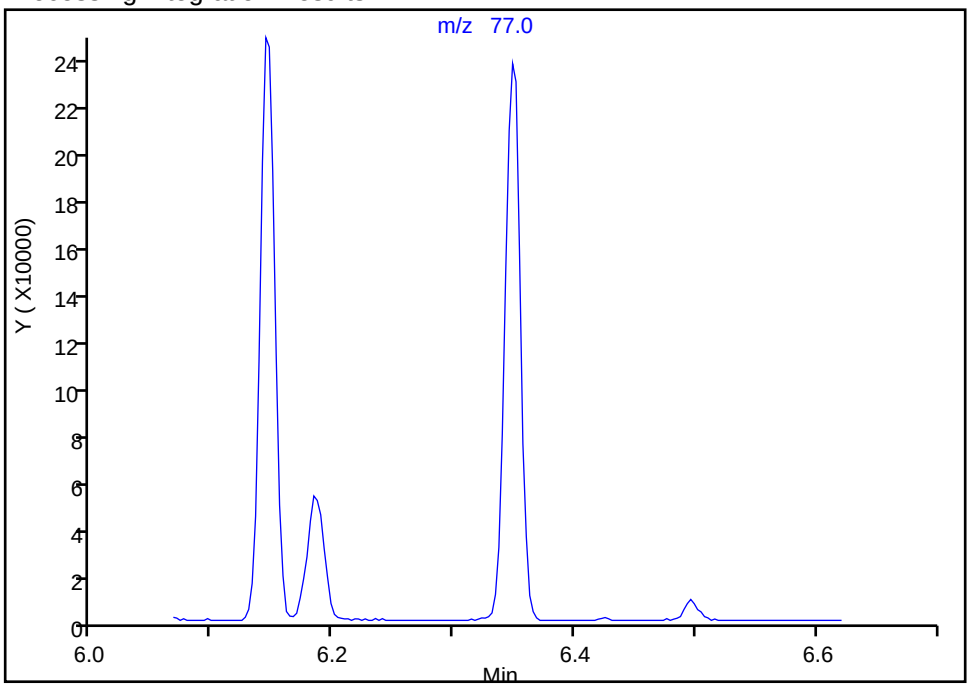
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 Nitrobenzene, CAS: 98-95-3

Signal: 1

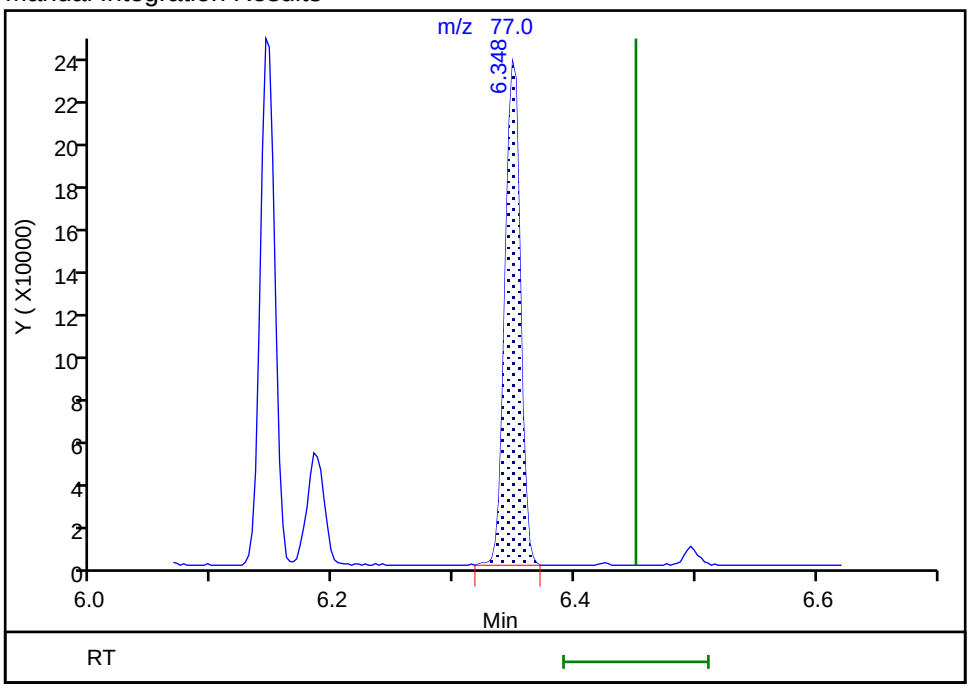
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 206235
Amount: 40.416099
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

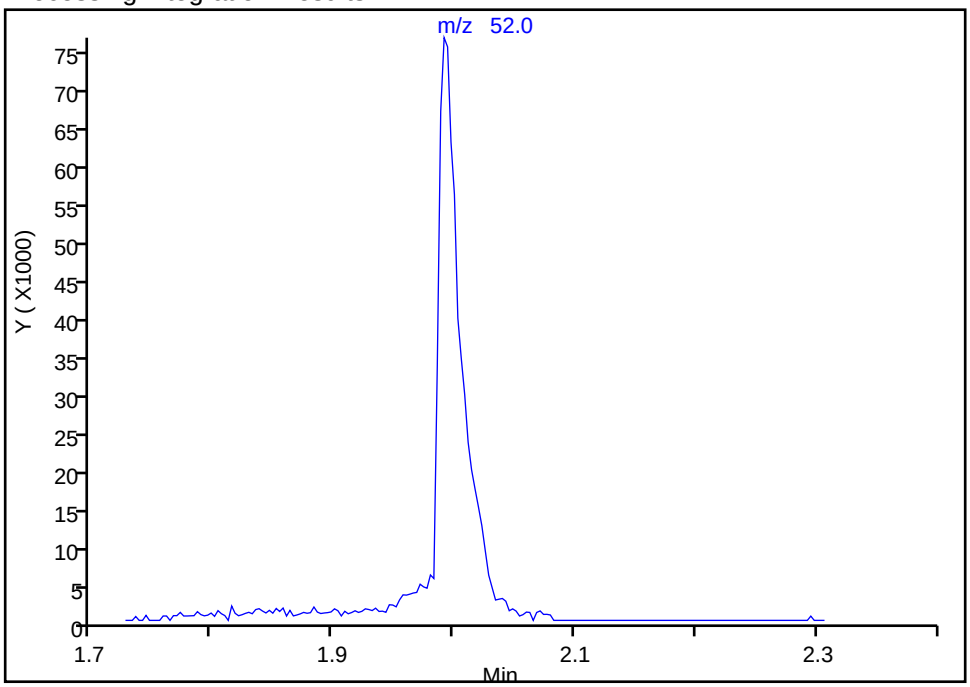
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Pyridine, CAS: 110-86-1

Signal: 1

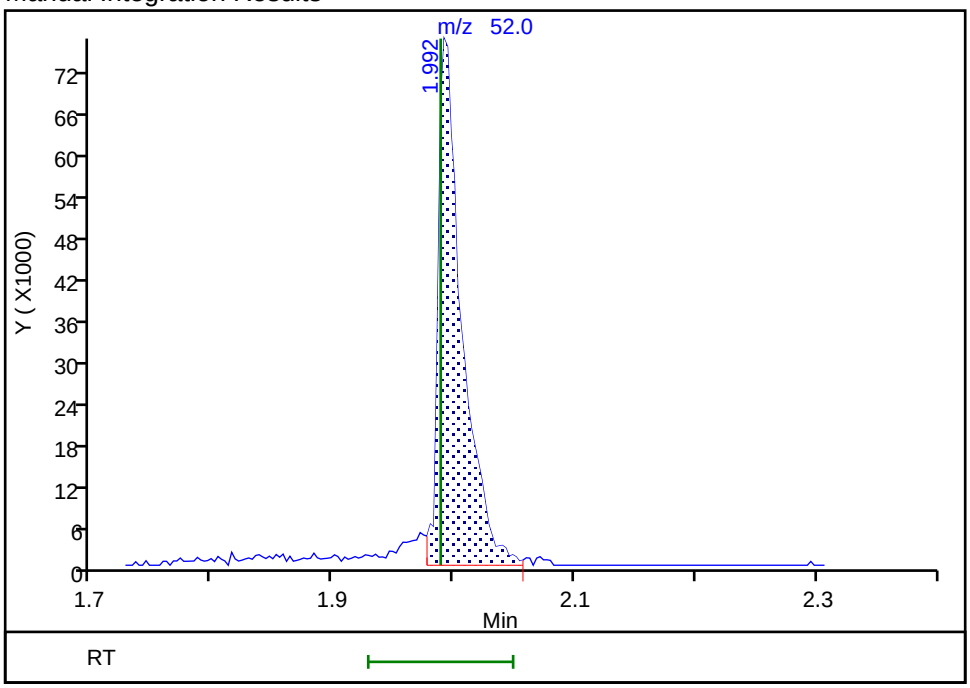
Not Detected
Expected RT: 1.99

Processing Integration Results



Manual Integration Results

RT: 1.99
Area: 104289
Amount: 19.529528
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

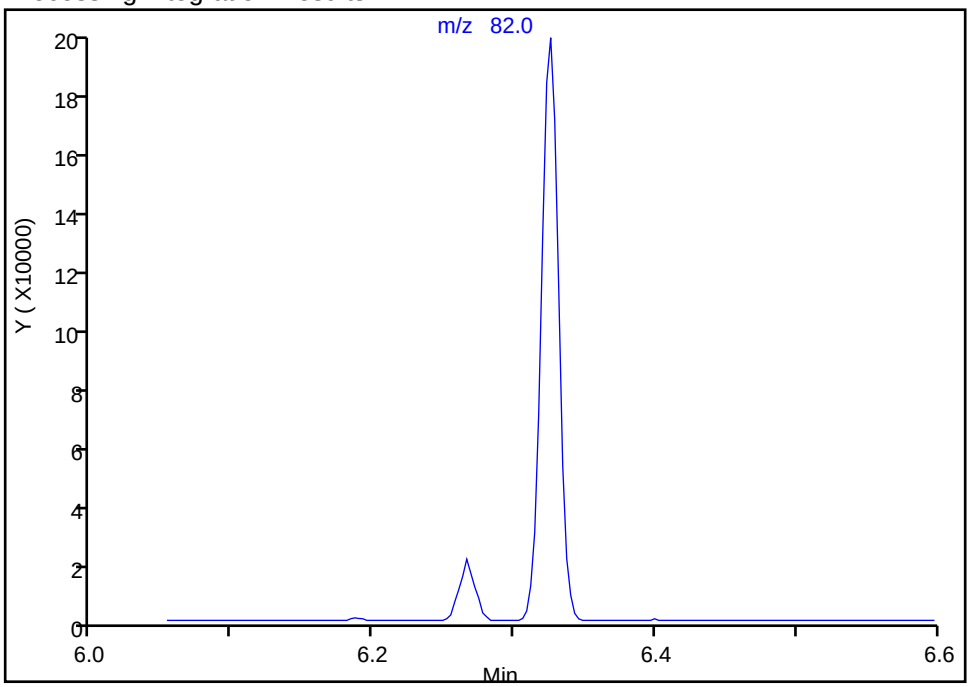
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481280.D				
Injection Date:	09-Mar-2022 12:14:30	Instrument ID:	HP5973X		
Lims ID:	LCS 480-617177/2-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

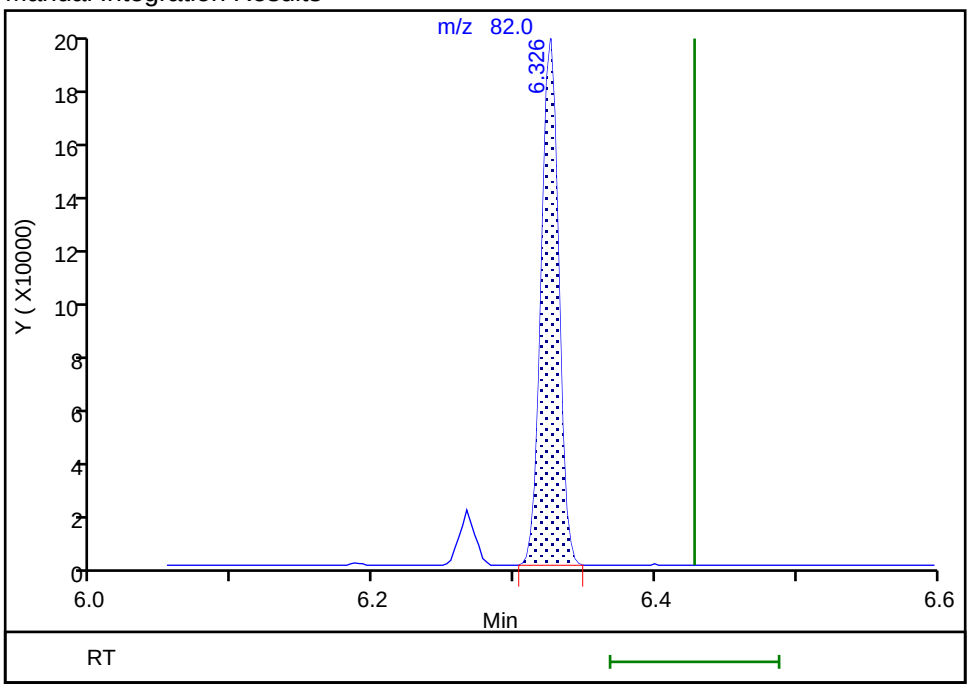
Processing Integration Results

Not Detected
Expected RT: 6.43



Manual Integration Results

RT: 6.33
Area: 162837
Amount: 31.931433
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 12:43:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-617177/3-A
Matrix: Solid
Lab File ID: X21481281.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 03/08/2022 15:04
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 12:38
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617260
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.0374		0.010	0.00045
121-14-2	2,4-Dinitrotoluene	0.0542		0.0050	0.00043
118-74-1	Hexachlorobenzene	0.0517		0.0050	0.00050
87-68-3	Hexachlorobutadiene	0.0394		0.0050	0.00068
67-72-1	Hexachloroethane	0.0363		0.0050	0.00058
108-39-4	3-Methylphenol	0.0358		0.010	0.00040
95-48-7	2-Methylphenol	0.0379		0.0050	0.00040
106-44-5	4-Methylphenol	0.0358		0.010	0.00035
98-95-3	Nitrobenzene	0.0462		0.0050	0.00028
87-86-5	Pentachlorophenol	0.124		0.010	0.0022
110-86-1	Pyridine	0.0268		0.025	0.00040
95-95-4	2,4,5-Trichlorophenol	0.0519		0.0050	0.00048
88-06-2	2,4,6-Trichlorophenol	0.0497		0.0050	0.00060

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	114		41-120
321-60-8	2-Fluorobiphenyl	95		48-120
367-12-4	2-Fluorophenol	50		35-120
4165-60-0	Nitrobenzene-d5	92		46-120
1718-51-0	p-Terphenyl-d14	103		60-148
4165-62-2	Phenol-d5	34		22-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D
Lims ID: LCSD 480-617177/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Mar-2022 12:38:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0104283-009
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 10-Mar-2022 12:50:26 Calib Date: 25-Feb-2022 01:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: marshallj Date: 09-Mar-2022 15:41:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.636	5.715	-0.079	96	151409	40.0	40.0	
* 2 Naphthalene-d8	136	7.191	7.288	-0.097	99	540468	40.0	40.0	
* 3 Acenaphthene-d10	164	9.260	9.289	-0.029	92	269465	40.0	40.0	
* 4 Phenanthrene-d10	188	10.890	10.898	-0.008	95	414160	40.0	40.0	
* 5 Chrysene-d12	240	13.282	13.291	-0.009	98	313473	40.0	40.0	
* 6 Perylene-d12	264	14.443	14.451	-0.008	94	299127	40.0	40.0	
$ 7 2-Fluorophenol	112	3.902	3.907	-0.005	94	107252	40.0	20.0	
$ 8 Phenol-d5	99	5.207	5.261	-0.054	96	86422	40.0	13.7	
$ 9 Nitrobenzene-d5	82	6.326	6.428	-0.102	90	184481	40.0	36.7	a
$ 10 2-Fluorobiphenyl	172	8.486	8.528	-0.042	100	331100	40.0	37.9	
$ 11 2,4,6-Tribromophenol	330	10.166	10.180	-0.014	83	31910	40.0	45.5	
$ 12 p-Terphenyl-d14	244	12.382	12.388	-0.006	95	311921	40.0	41.4	
15 1,4-Dioxane	88	1.657	1.432	0.003	97	55756	50.0	22.6	
16 N-Nitrosodimethylamine	74	1.935	1.935	0.000	92	100704	50.0	26.9	
17 Pyridine	52	1.986	1.989	-0.003	85	132034	100.0	26.8	a
27 Benzaldehyde	77	5.068	5.042	-0.046	92	366301	100.0	89.9	E
29 Aniline	93	5.219	5.199	-0.054	97	304085	50.0	36.8	
28 Phenol	94	5.224	5.208	-0.057	96	137415	50.0	19.1	
31 Bis(2-chloroethyl)ether	93	5.315	5.300	-0.060	95	234556	50.0	43.0	
32 2-Chlorophenol	128	5.375	5.362	-0.062	98	230493	50.0	43.1	a
35 n-Decane	57	5.480	5.471	-0.068	93	229508	50.0	29.6	a
36 1,3-Dichlorobenzene	146	5.565	5.563	-0.074	98	218010	50.0	36.9	a
37 1,4-Dichlorobenzene	146	5.656	5.655	-0.079	92	222365	50.0	37.4	a
38 Benzyl alcohol	108	5.829	5.832	-0.085	93	137637	50.0	39.5	a
39 1,2-Dichlorobenzene	146	5.849	5.854	-0.088	97	213870	50.0	38.7	a
229 Indene	115	5.968	5.959	-0.085	90	2744382	400.0	324.3	a
40 2-Methylphenol	108	5.988	5.997	-0.094	95	177611	50.0	37.9	a
42 2,2'-oxybis[1-chloropropane]	45	6.002	6.014	-0.097	94	371006	50.0	39.8	a
45 Acetophenone	105	6.147	6.156	-0.096	96	305189	50.0	44.8	a
47 N-Nitrosodi-n-propylamine	70	6.164	6.173	-0.096	88	166294	50.0	45.4	a
46 4-Methylphenol	108	6.187	6.198	-0.099	95	174052	50.0	35.8	a
50 Hexachloroethane	117	6.266	6.280	-0.102	96	83734	50.0	36.3	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
52 Nitrobenzene	77	6.348	6.362	-0.102	90	232437	50.0	46.2	a
56 Isophorone	82	6.646	6.659	-0.105	99	433969	50.0	47.1	a
58 2-Nitrophenol	139	6.740	6.752	-0.105	93	123676	50.0	51.3	a
59 2,4-Dimethylphenol	107	6.825	6.833	-0.102	95	224485	50.0	47.7	a
62 Bis(2-chloroethoxy)methane	93	6.930	6.934	-0.099	97	262873	50.0	45.4	a
64 Benzoic acid	105	7.032	7.032	-0.097	87	537183	400.0	178.6	a
65 2,4-Dichlorophenol	162	7.038	7.040	-0.099	96	177665	50.0	47.6	a
67 1,2,4-Trichlorobenzene	180	7.132	7.132	-0.099	95	162734	50.0	41.6	a
69 Naphthalene	128	7.217	7.211	-0.093	98	592323	50.0	42.6	a
71 4-Chloroaniline	127	7.296	7.286	-0.091	96	270454	50.0	46.3	a
70 2,6-Dichlorophenol	162	7.308	7.298	-0.090	97	172169	50.0	47.6	a
73 Hexachlorobutadiene	225	7.393	7.376	-0.085	97	79026	50.0	39.4	a
78 Caprolactam	113	7.705	7.684	-0.085	78	41084	100.0	28.4	a
79 4-Chloro-3-methylphenol	107	7.901	7.852	-0.059	98	185372	50.0	48.7	
82 2-Methylnaphthalene	142	8.043	7.992	-0.059	92	382883	50.0	42.4	
83 1-Methylnaphthalene	142	8.156	8.098	-0.054	93	367646	50.0	44.1	
84 Hexachlorocyclopentadiene	237	8.247	8.267	-0.048	84	87790	50.0	37.6	
85 1,2,4,5-Tetrachlorobenzene	216	8.247	8.270	-0.051	97	146981	50.0	43.9	
86 2,4,6-Trichlorophenol	196	8.389	8.403	-0.043	94	115850	50.0	49.7	
87 2,4,5-Trichlorophenol	196	8.429	8.446	-0.045	95	126942	50.0	51.9	
90 1,1'-Biphenyl	154	8.599	8.607	-0.037	97	465290	50.0	44.7	
91 2-Chloronaphthalene	162	8.610	8.632	-0.040	97	351641	50.0	43.7	
93 2-Nitroaniline	65	8.738	8.745	-0.037	84	129478	50.0	50.0	
96 Dimethyl phthalate	163	8.974	8.969	-0.025	98	433641	50.0	50.6	
97 1,3-Dinitrobenzene	168	8.985	8.890	-0.028	83	74750	50.0	54.3	
99 2,6-Dinitrotoluene	165	9.028	9.025	-0.028	95	105313	50.0	51.1	
100 Acenaphthylene	152	9.093	9.091	-0.028	98	559681	50.0	45.0	
101 3-Nitroaniline	138	9.221	9.215	-0.025	93	115606	50.0	48.9	
102 Acenaphthene	153	9.297	9.294	-0.029	95	377167	50.0	46.8	
103 2,4-Dinitrophenol	184	9.340	9.334	-0.025	85	112808	100.0	125.8	
104 4-Nitrophenol	109	9.451	9.441	-0.022	92	53809	100.0	50.8	
106 2,4-Dinitrotoluene	165	9.496	9.487	-0.023	93	139065	50.0	54.2	
107 Dibenzofuran	168	9.502	9.492	-0.022	95	502093	50.0	47.1	
110 2,3,4,6-Tetrachlorophenol	232	9.658	9.645	-0.020	78	90084	50.0	57.1	
112 Diethyl phthalate	149	9.805	9.789	-0.017	98	451435	50.0	52.8	
138 Hexadecane	57	9.848	9.829	-0.014	90	330220	50.0	44.4	
115 Fluorene	166	9.896	9.883	-0.020	94	414965	50.0	48.4	
116 4-Chlorophenyl phenyl ether	204	9.910	9.894	-0.017	95	180175	50.0	48.8	
118 4-Nitroaniline	138	9.930	9.914	-0.017	87	118029	50.0	54.2	
119 4,6-Dinitro-2-methylphenol	198	9.967	9.974	-0.017	78	136340	100.0	119.3	
121 Diphenylamine	169	10.044	10.047	-0.014	94	314238	42.8	44.8	
120 N-Nitrosodiphenylamine	169	10.044	10.047	-0.014	98	314238	50.0	52.4	
123 1,2-Diphenylhydrazine	77	10.086	10.066	-0.014	98	440570	50.0	49.5	
122 Azobenzene	77	10.086	10.090	-0.014	99	440570	50.0	49.5	
130 4-Bromophenyl phenyl ether	248	10.441	10.441	-0.011	73	93905	50.0	49.8	
131 Hexachlorobenzene	284	10.506	10.504	-0.009	89	90663	50.0	51.7	
133 Atrazine	200	10.640	10.607	-0.003	90	227277	100.0	109.9	
134 Pentachlorophenol	266	10.714	10.708	-0.005	88	119711	100.0	124.0	
113 n-Octadecane	57	10.836	10.830	-0.005	92	355808	50.0	49.1	
141 Phenanthrene	178	10.915	10.921	-0.006	98	585308	50.0	51.4	
142 Anthracene	178	10.966	10.960	-0.006	98	600476	50.0	51.4	
143 Carbazole	167	11.131	11.125	-0.005	97	569409	50.0	54.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
145 Di-n-butyl phthalate	149	11.488	11.494	-0.006	100	725283	50.0	52.8	
152 Fluoranthene	202	12.039	12.045	-0.006	100	586014	50.0	54.1	
154 Benzidine	184	12.161	12.159	-0.009	99	13494	100.0	2.50	
155 Pyrene	202	12.238	12.235	-0.005	96	593767	50.0	52.4	
162 Butyl benzyl phthalate	149	12.808	12.806	-0.006	98	317906	50.0	53.1	
166 3,3'-Dichlorobenzidine	252	13.254	13.248	-0.005	76	346004	100.0	102.5	
167 Benzo[a]anthracene	228	13.274	13.279	-0.005	98	542378	50.0	52.8	
172 Bis(2-ethylhexyl) phthalate	149	13.296	13.302	-0.006	98	460623	50.0	52.0	
169 Chrysene	228	13.305	13.302	-0.005	97	499459	50.0	50.4	
168 Di-n-octyl phthalate	149	13.819	13.824	-0.005	99	798970	50.0	53.7	
174 Benzo[b]fluoranthene	252	14.145	14.145	-0.008	98	513629	50.0	52.9	
175 Benzo[k]fluoranthene	252	14.168	14.165	-0.005	96	505609	50.0	52.1	
177 Benzo[a]pyrene	252	14.400	14.409	-0.009	81	437843	50.0	46.5	
180 Indeno[1,2,3-cd]pyrene	276	15.354	15.351	-0.006	93	503242	50.0	52.0	
181 Dibenz(a,h)anthracene	278	15.360	15.359	-0.008	92	443262	50.0	52.0	
182 Benzo[g,h,i]perylene	276	15.612	15.609	-0.006	92	441056	50.0	51.1	
S 238 3-Methylphenol	1				0		50.0	35.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

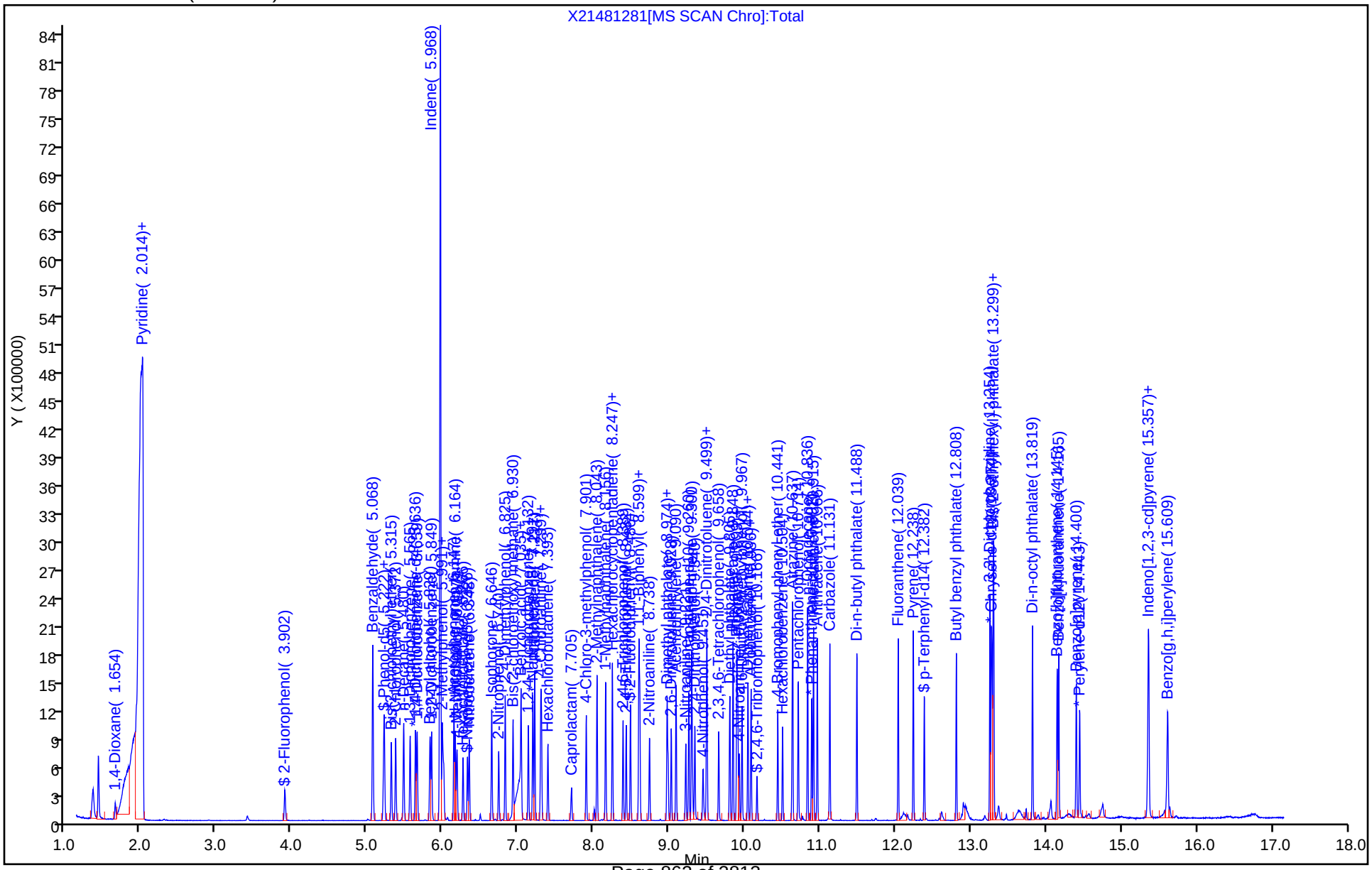
MB_INTSTD_STK_00084 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 10-Mar-2022 12:51:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	LCSD 480-617177/3-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	09-Mar-2022 12:38:30	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	480-0104283-009				
Operator ID:	JM	Instrument ID:	HP5973X		
Method:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X-8270.m				
Limit Group:	MB - 8270D ICAL				
Last Update:	10-Mar-2022 12:50:26	Calib Date:	25-Feb-2022 01:22:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973X\20220224-104084.b\X21481095.D				
Column 1 :	RXI-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: marshallj Date: 09-Mar-2022 15:41:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	20.0	50.12
$ 8 Phenol-d5	40.0	13.7	34.33
$ 9 Nitrobenzene-d5	40.0	36.7	91.75
$ 10 2-Fluorobiphenyl	40.0	37.9	94.77
$ 11 2,4,6-Tribromophenol	40.0	45.5	113.66
$ 12 p-Terphenyl-d14	40.0	41.4	103.38

Manual Integration/User Assign Peak Report

Eurofins Buffalo

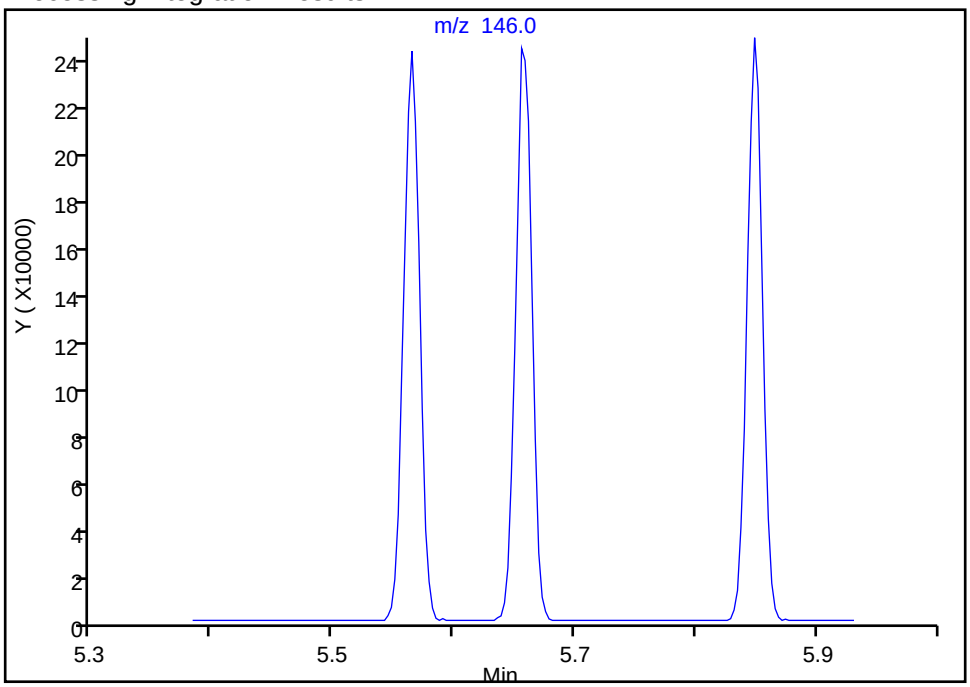
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

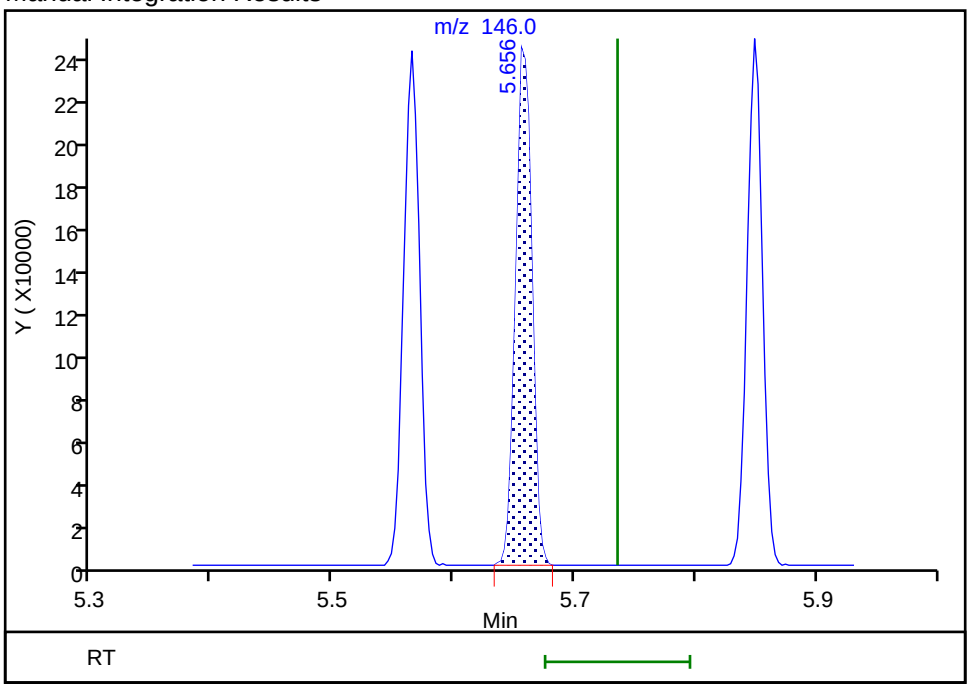
Not Detected
Expected RT: 5.74

Processing Integration Results



Manual Integration Results

RT: 5.66
Area: 222365
Amount: 37.421579
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

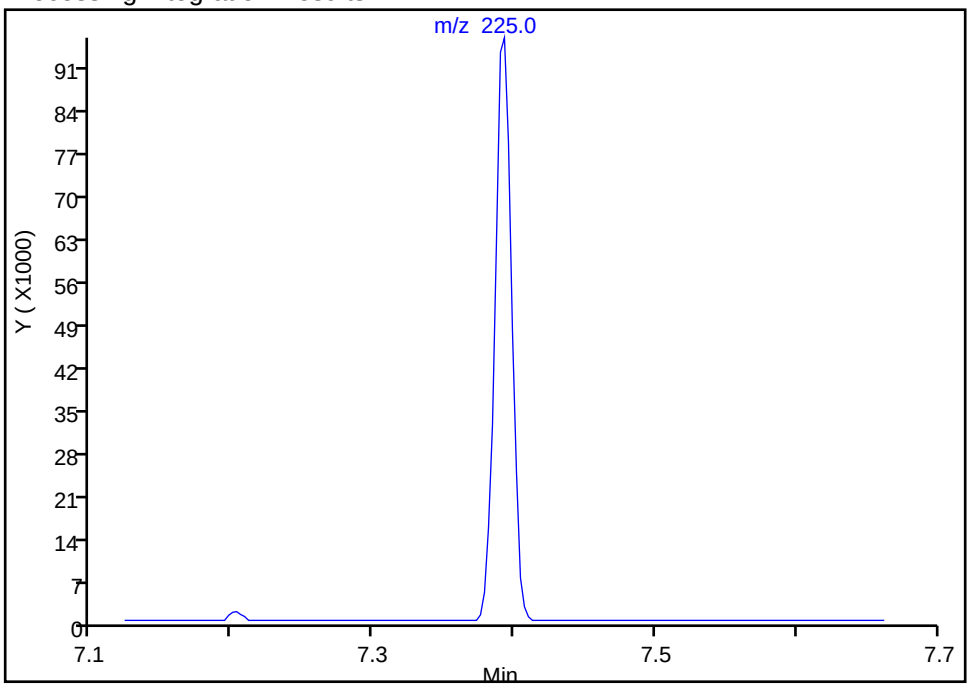
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

73 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

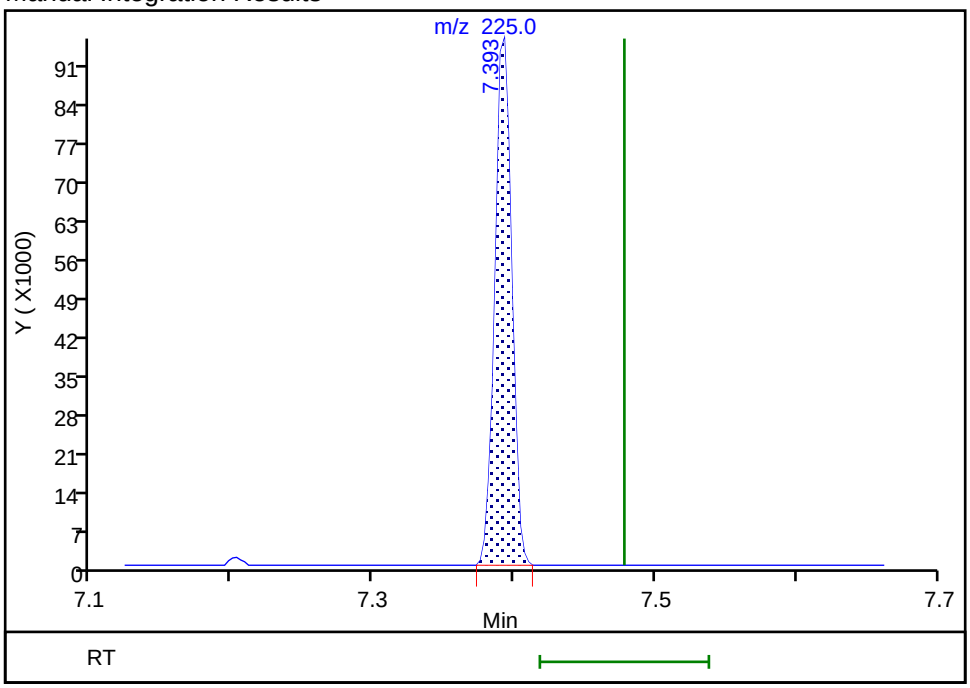
Not Detected
Expected RT: 7.48

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 79026
Amount: 39.380251
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:41:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

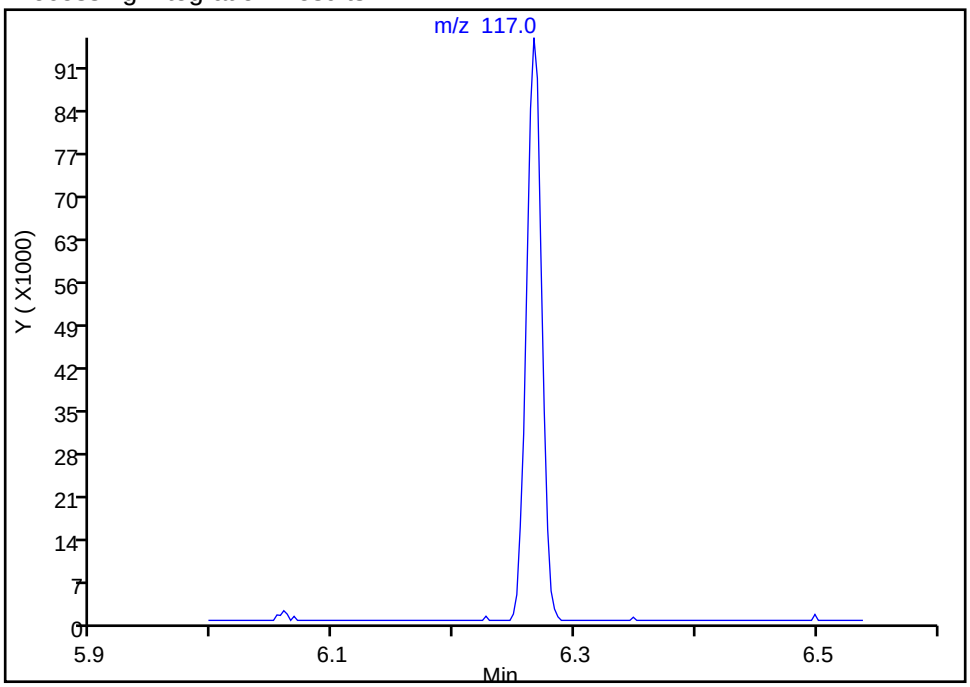
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

50 Hexachloroethane, CAS: 67-72-1

Signal: 1

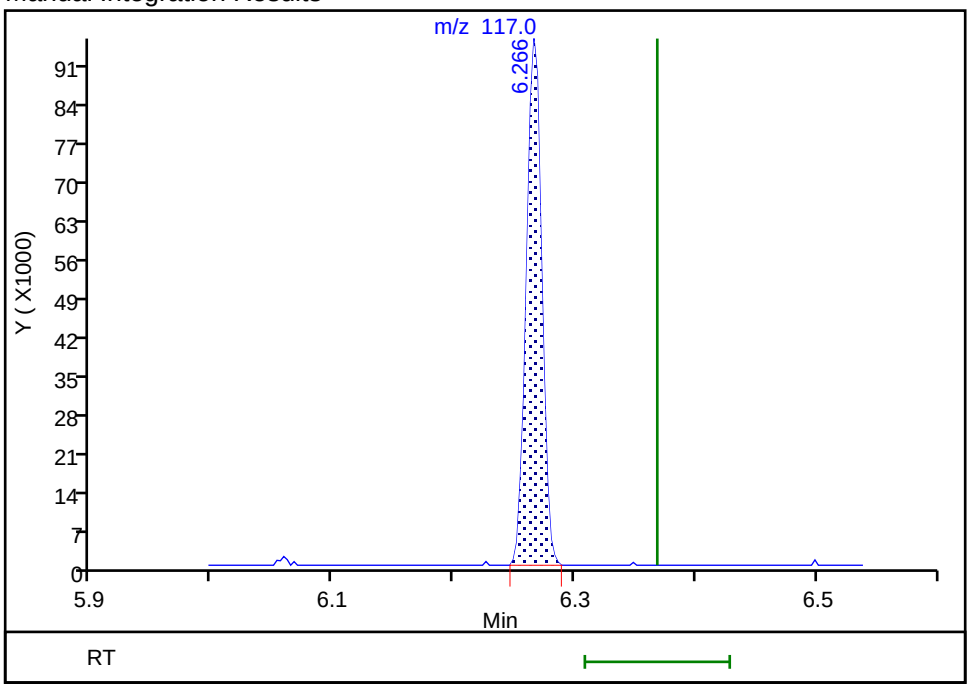
Not Detected
Expected RT: 6.37

Processing Integration Results



Manual Integration Results

RT: 6.27
Area: 83734
Amount: 36.301718
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

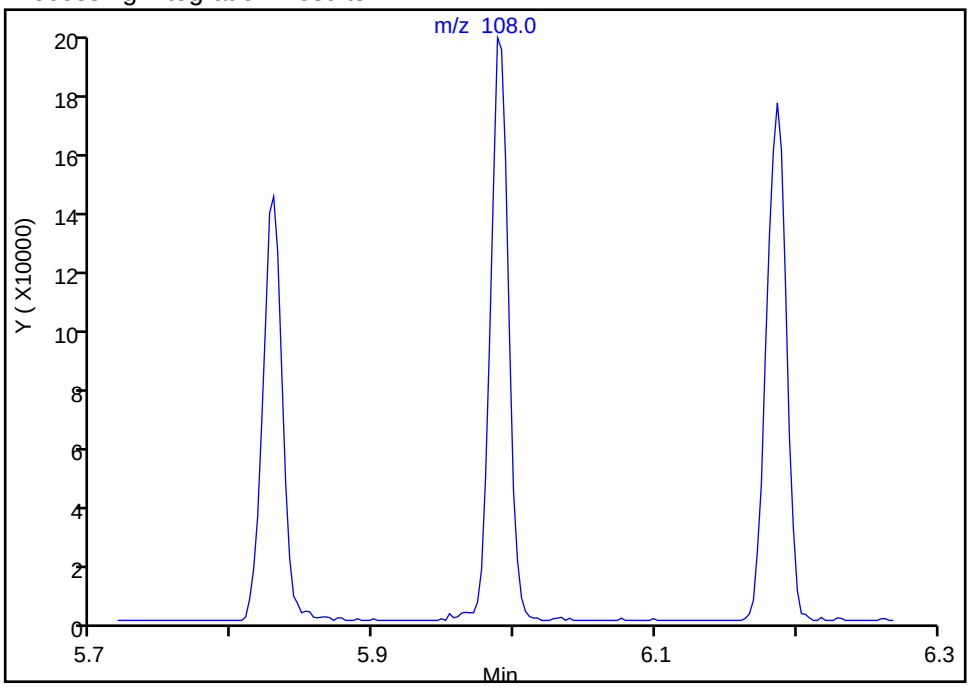
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 2-Methylphenol, CAS: 95-48-7

Signal: 1

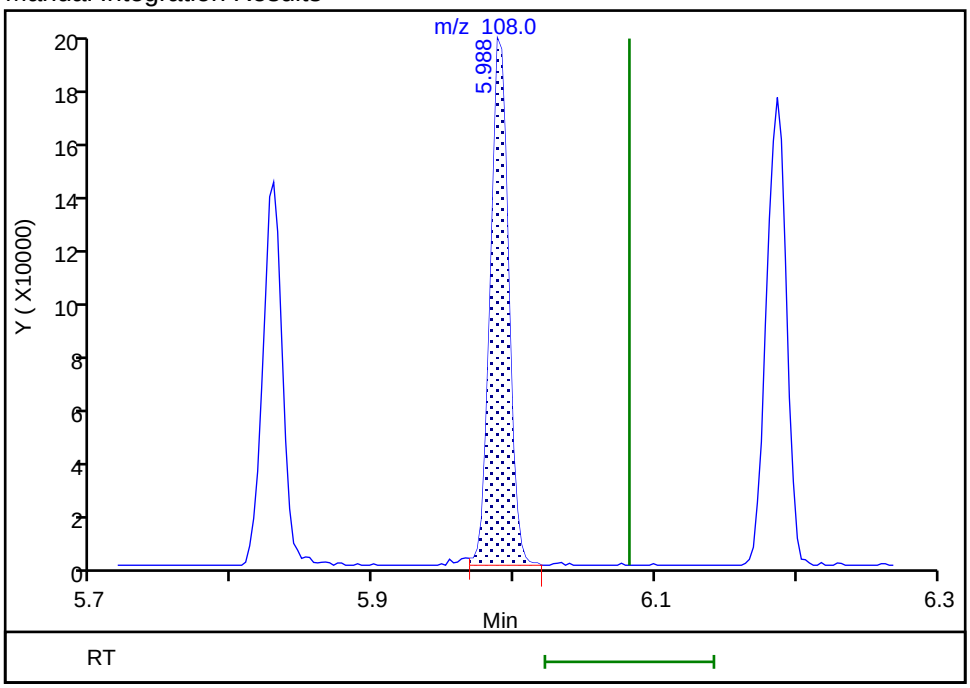
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 5.99
Area: 177611
Amount: 37.866023
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

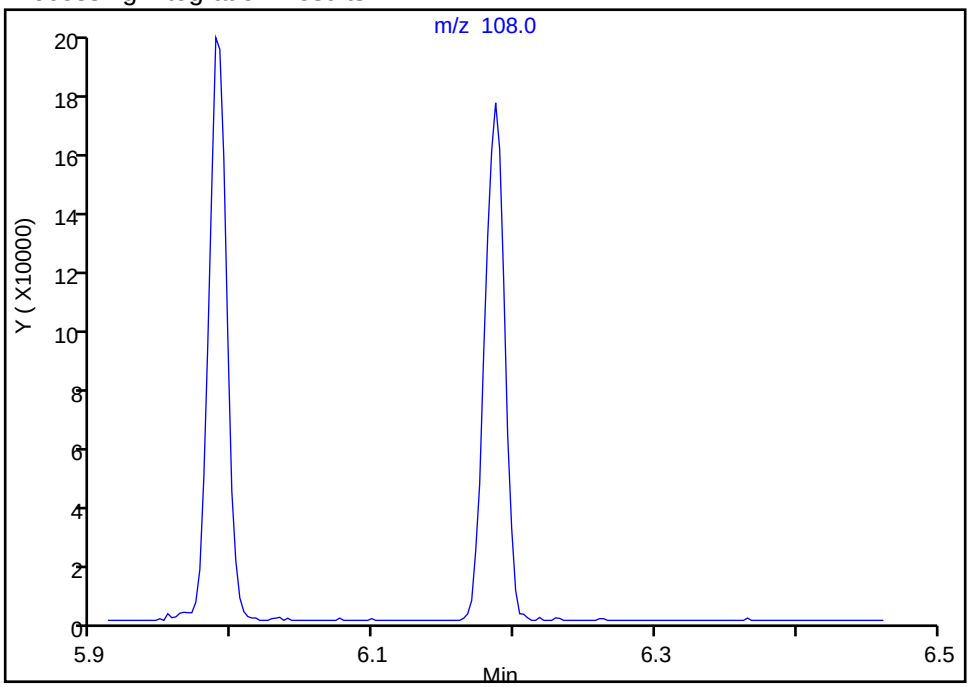
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

46 4-Methylphenol, CAS: 106-44-5

Signal: 1

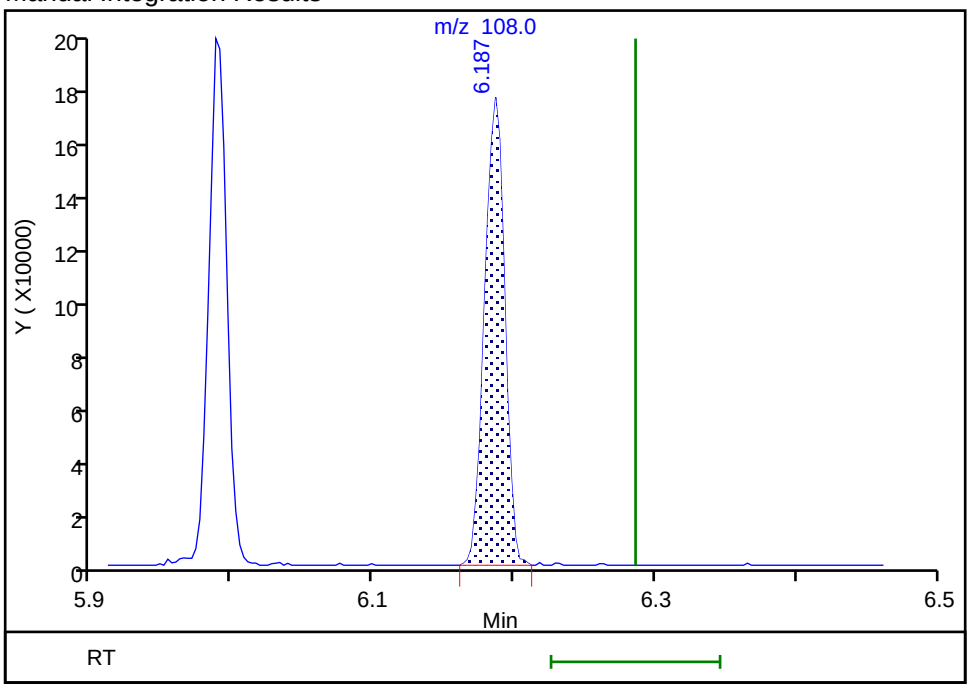
Not Detected
Expected RT: 6.29

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 174052
Amount: 35.753061
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

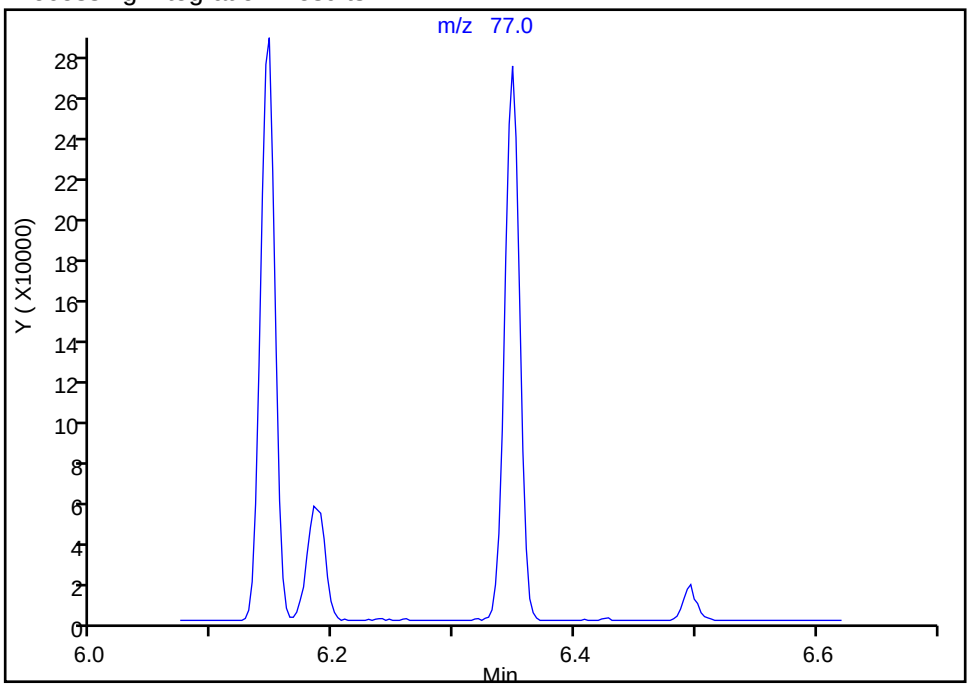
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 Nitrobenzene, CAS: 98-95-3

Signal: 1

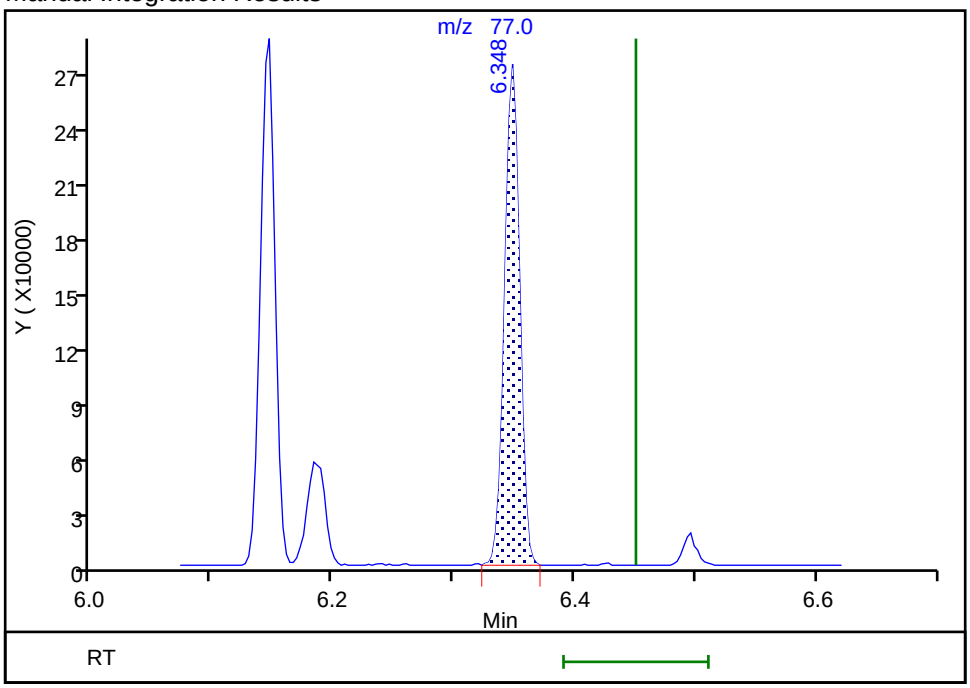
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 232437
Amount: 46.210681
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:41:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

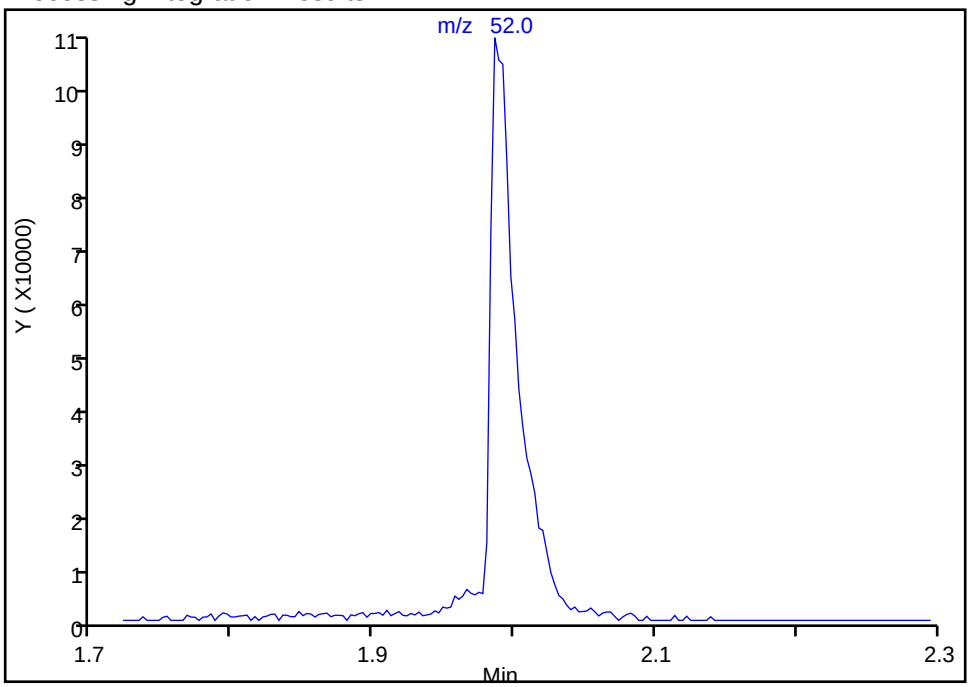
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Pyridine, CAS: 110-86-1

Signal: 1

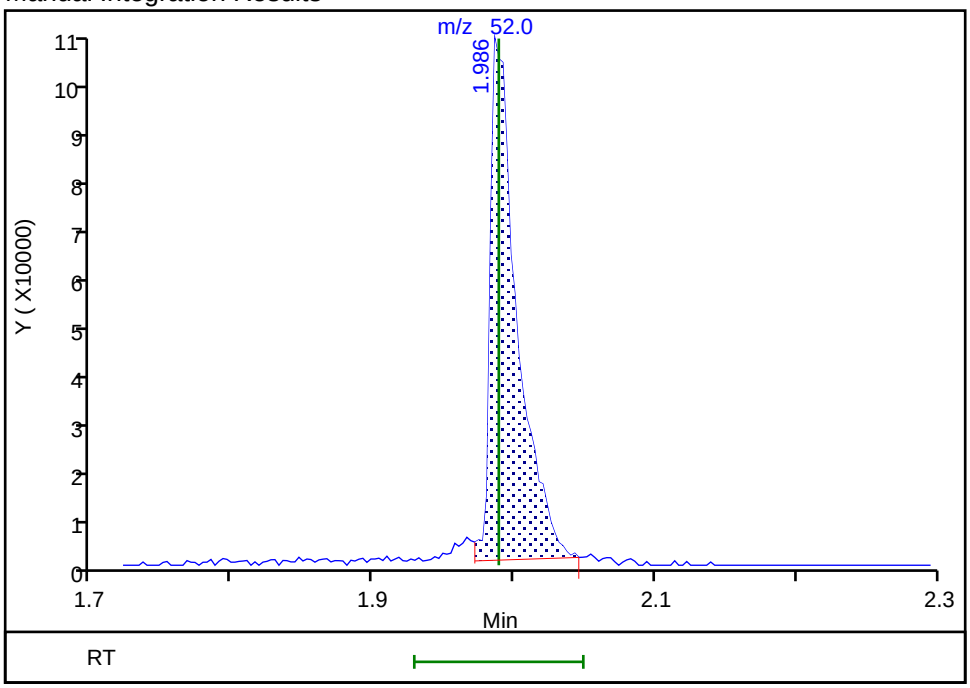
Not Detected
Expected RT: 1.99

Processing Integration Results



Manual Integration Results

RT: 1.99
Area: 132034
Amount: 26.791023
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

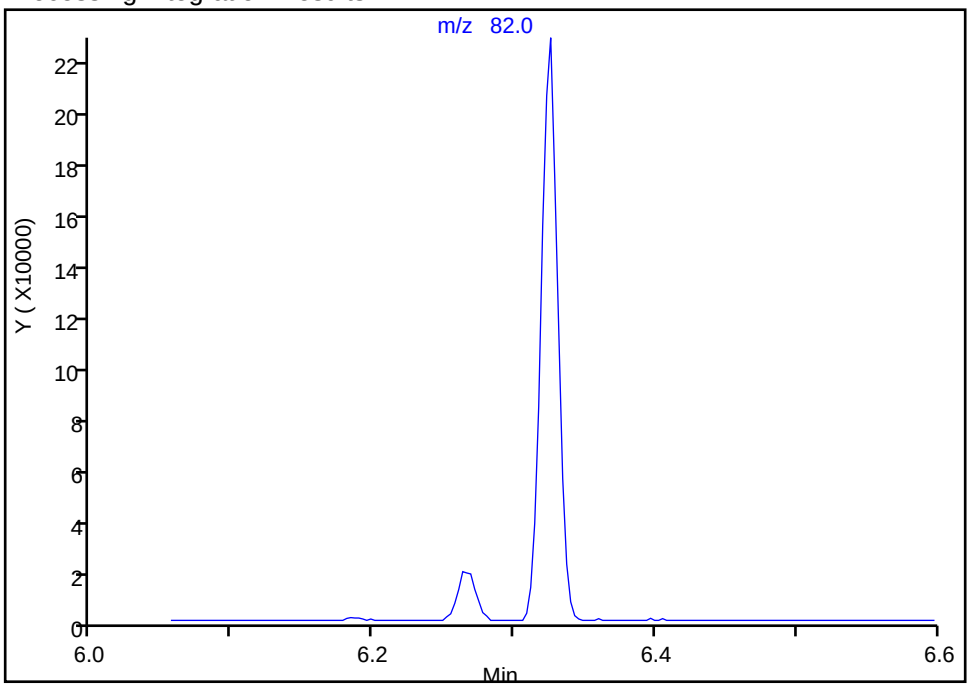
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20220309-104283.b\X21481281.D				
Injection Date:	09-Mar-2022 12:38:30	Instrument ID:	HP5973X		
Lims ID:	LCSD 480-617177/3-A				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

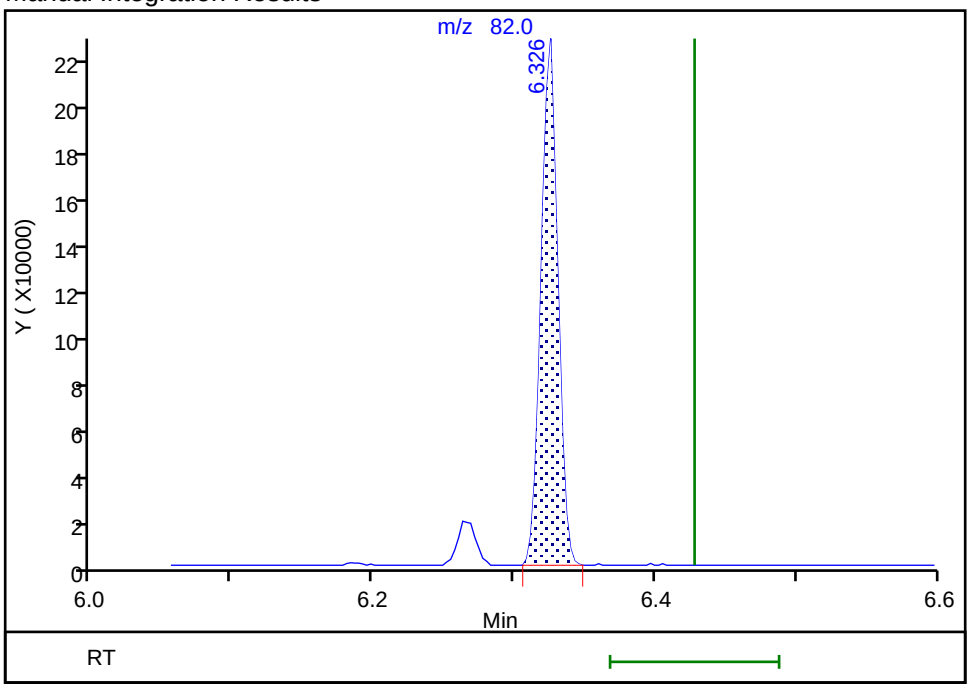
Processing Integration Results

Not Detected
Expected RT: 6.43



Manual Integration Results

RT: 6.33
Area: 184481
Amount: 36.699661
Amount Units: ng/uL



Reviewer: marshallj, 09-Mar-2022 15:40:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973X Start Date: 02/24/2022 11:17

Analysis Batch Number: 615912 End Date: 02/24/2022 22:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-615912/2		02/24/2022 11:17	1	X21481061.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/3		02/24/2022 11:42	1	X21481062.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/4		02/24/2022 12:06	1	X21481063.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/5		02/24/2022 12:31	1	X21481064.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/6		02/24/2022 12:55	1	X21481065.D	RXI-5Sil MS 0.25(mm)
ICIS 480-615912/7		02/24/2022 13:19	1	X21481066.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/8		02/24/2022 13:43	1	X21481067.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/9		02/24/2022 14:08	1	X21481068.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/10		02/24/2022 15:13	1	X21481070.D	RXI-5Sil MS 0.25(mm)
ICV 480-615912/11		02/24/2022 15:37	1	X21481071.D	RXI-5Sil MS 0.25(mm)
IC 480-615912/12		02/24/2022 16:01	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/13		02/24/2022 16:26	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/14		02/24/2022 16:50	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/15		02/24/2022 17:15	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/16		02/24/2022 17:40	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/17		02/24/2022 18:05	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/18		02/24/2022 18:29	1		RXI-5Sil MS 0.25(mm)
ICV 480-615912/19		02/24/2022 18:54	1		RXI-5Sil MS 0.25(mm)
ICV 480-615912/20		02/24/2022 19:18	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/21		02/24/2022 19:42	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/22		02/24/2022 20:06	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/23		02/24/2022 20:31	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/24		02/24/2022 20:55	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/25		02/24/2022 21:19	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/26		02/24/2022 21:43	1		RXI-5Sil MS 0.25(mm)
IC 480-615912/27		02/24/2022 22:08	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5973X Start Date: 03/09/2022 09:48

Analysis Batch Number: 617260 End Date: 03/09/2022 15:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-617260/2		03/09/2022 09:48	1	X21481274.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-617260/3		03/09/2022 10:12	1	X21481275.D	RXI-5Sil MS 0.25(mm)
CCV 480-617260/5		03/09/2022 11:01	1		RXI-5Sil MS 0.25(mm)
MB 480-617177/1-A		03/09/2022 11:50	1	X21481279.D	RXI-5Sil MS 0.25(mm)
LCS 480-617177/2-A		03/09/2022 12:14	1	X21481280.D	RXI-5Sil MS 0.25(mm)
LCSD 480-617177/3-A		03/09/2022 12:38	1	X21481281.D	RXI-5Sil MS 0.25(mm)
LB 480-616935/1-F		03/09/2022 13:03	1	X21481282.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/09/2022 13:27	1		RXI-5Sil MS 0.25(mm)
480-195466-9	LF1	03/09/2022 13:52	1	X21481284.D	RXI-5Sil MS 0.25(mm)
480-195466-10	LF2	03/09/2022 14:16	1	X21481285.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/09/2022 14:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/09/2022 15:04	1		RXI-5Sil MS 0.25(mm)

8270D

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 480-616935/1		1311, 3510C, 8270D			2000 mL				
480-195466-A-9	LF1	1311, 3510C, 8270D	P	100.56 g	2000 mL	5.21 g	96.5 mL	8.70 SU	3.5
480-195466-A-10	LF2	1311, 3510C, 8270D	P	100.41 g	2000 mL	5.11 g	96.5 mL	8.74 SU	3.5

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	ExtractionFluidOne	ExtractionFluidTwo	VesselNumber	FiltCompDate
LB 480-616935/1		1311, 3510C, 8270D				Yes	No	15	3/8/22
480-195466-A-9	LF1	1311, 3510C, 8270D	P	Yes	2.30 SU	Yes	No	19	3/8/22
480-195466-A-10	LF2	1311, 3510C, 8270D	P	Yes	2.53 SU	Yes	No	20	3/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	LeachVolume	TCLP%Solids	ExtractFluid	
LB 480-616935/1		1311, 3510C, 8270D		8:44	4.86 SU	1250/750 mL	Yes %	One	
480-195466-A-9	LF1	1311, 3510C, 8270D	P	8:44	6.07 SU	1000/225 mL	Yes %	One	
480-195466-A-10	LF2	1311, 3510C, 8270D	P	8:44	6.15 SU	1000/400 mL	Yes %	One	

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 Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Hot Plate ID	1714070904915; Hot Plate Thermometer ID; 170102499
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Tumbler Rotations per Minute	28 RPM, Tumbler #1 JP
Balance ID	Balance-6
pH Meter ID	K00599
pH Meter Calibration Slope	97.9%
Room Temperature Thermometer ID	12227689
TCLP Fluid 1 ID	6885567
TCLP Fluid 1 pH	4.89 JP
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
1N HCl ID	6120199
Filter ID	400192-1362-T
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
Uncorrected Minimum Temperature	23.6 Degrees C
Minimum Temperature	23.5 Degrees C
Bottle Lot ID	0206901C
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617177 Batch Start Date: 03/08/22 15:03 Batch Analyst: Campbell, Cameron M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270/625LCS 00203
MB 480-617177/1		3510C, 8270D		1000 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-617177/2		3510C, 8270D		1000 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
LCSD 480-617177/3		3510C, 8270D		1000 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
LB 480-616935/1-A		3510C, 8270D		250 mL	1 mL	4.87 SU	<2 SU	>11 SU	
480-195466-A-9-A	LF1	3510C, 8270D	P	250 mL	1 mL	6.07 SU	<2 SU	>11 SU	
480-195466-A-10-A	LF2	3510C, 8270D	P	250 mL	1 mL	6.15 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270surr 00109					
MB 480-617177/1		3510C, 8270D		1 mL					
LCS 480-617177/2		3510C, 8270D		1 mL					
LCSD 480-617177/3		3510C, 8270D		1 mL					
LB 480-616935/1-A		3510C, 8270D		1 mL					
480-195466-A-9-A	LF1	3510C, 8270D	P	1 mL					
480-195466-A-10-A	LF2	3510C, 8270D	P	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617177 Batch Start Date: 03/08/22 15:03 Batch Analyst: Campbell, Cameron M

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C/8270D
Analyst ID - Extraction	CC
Analyst ID - Spike Analyst	CC
Analyst ID - Spike Witness Analyst	CC
Sufficient Volume for Batch QC	No
Acid Used for pH Adjustment ID	6879531
Base Used to Adjust pH ID	6823066
Prep Solvent ID	6885959
Prep Solvent Volume Used	360 mL
Na2SO4 ID	6880624
Analyst ID - Concentration	CC
Vial Lot Number	1709111094

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 8015D - GRO

Nonhalogenated Organics using GC/FID - Modified (Gasoline Range Organics) by Method 8015D

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (2): RTX-VMS 0.53(mm)

Client Sample ID	Lab Sample ID	TFT2 #
LF1	480-195466-9	87
LF2	480-195466-10	85
	MB 480-617051/1-A	96
	LCS 480-617051/2-A	90
LF1 MS	480-195466-9 MS	60
LF1 MSD	480-195466-9 MSD	67

QC LIMITS

TFT = a,a,a-Trifluorotoluene 46-156

Column to be used to flag recovery values

FORM II 8015D

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: 23_25-057.D

Lab ID: LCS 480-617051/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
GRO (C6-C10)	9.56	8.58	90	64-129	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: 23_25-060.D

Lab ID: 480-195466-9 MS Client ID: LF1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
GRO (C6-C10)	10.9	1.8	9.12	67	41-142	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: 23_25-061.D

Lab ID: 480-195466-9 MSD Client ID: LF1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
GRO (C6-C10)	11.1	9.85	73	8	32	41-142	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: MB 480-617051/1-A

Matrix: Solid Date Extracted: 03/08/2022 08:05

Lab File ID:(1) Lab File ID:(2) 23_25-056.D

Date Analyzed:(1) Date Analyzed:(2) 03/08/2022 09:12

Instrument ID:(1) Instrument ID:(2) HP5890-23

GC Column:(1) ID: GC Column:(2) RTX-VMS 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 480-617051/2-A		03/08/2022 09:48
LF1	480-195466-9		03/08/2022 10:38
LF2	480-195466-10		03/08/2022 11:15
LF1 MS	480-195466-9 MS		03/08/2022 11:51
LF1 MSD	480-195466-9 MSD		03/08/2022 12:27

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid
Lab File ID: 23_25-058.D
Analysis Method: 8015D
Date Collected: 03/02/2022 14:15
Sample wt/vol: 5.14(g)
Date Analyzed: 03/08/2022 10:38
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS
ID: 0.53(mm)
% Moisture: 15.4
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	1.8		1.4	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	87		46-156

FORM I 8015D

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-058.D				
Lims ID:	480-195466-E-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 10:38:53	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				

First Level Reviewer: salversonj Date: 08-Mar-2022 11:08:51

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene						
2	7.120	7.107	0.013	738636	26.0	
A 4 C6-C10						M
2	9.377	(5.100-13.653)		196398	31.3	M
A 5 Gasoline						M
2	9.377	(5.100-13.653)		196398	NC	M
A 6 Kerosene						
2		(15.000-20.000)			ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

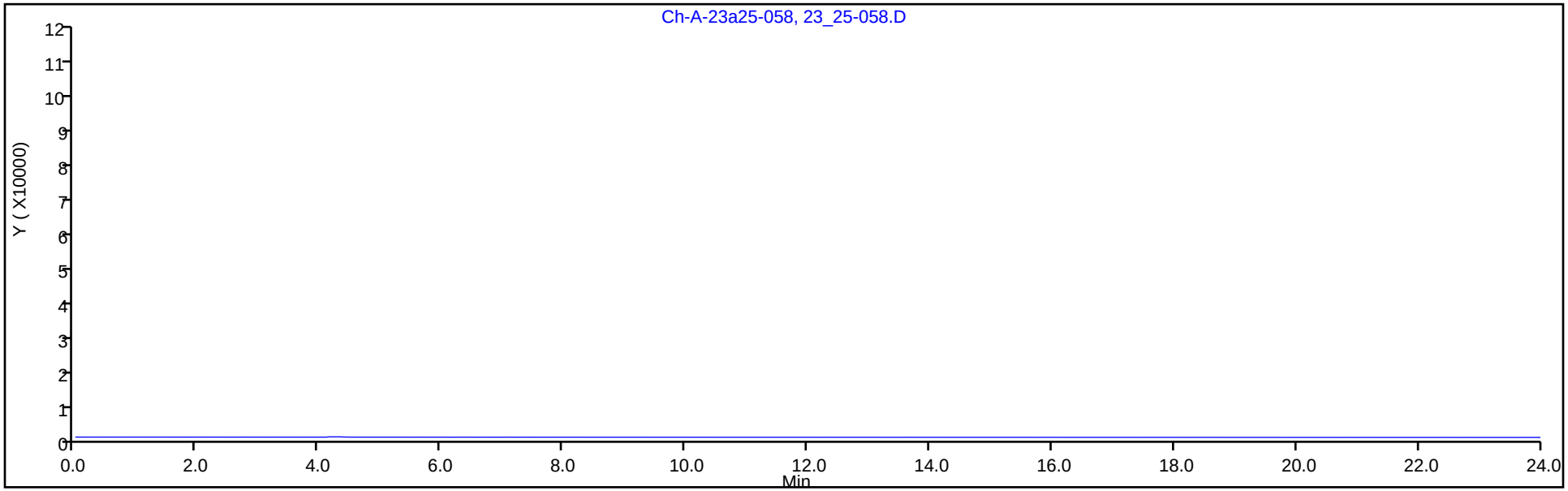
Report Date: 08-Mar-2022 13:51:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

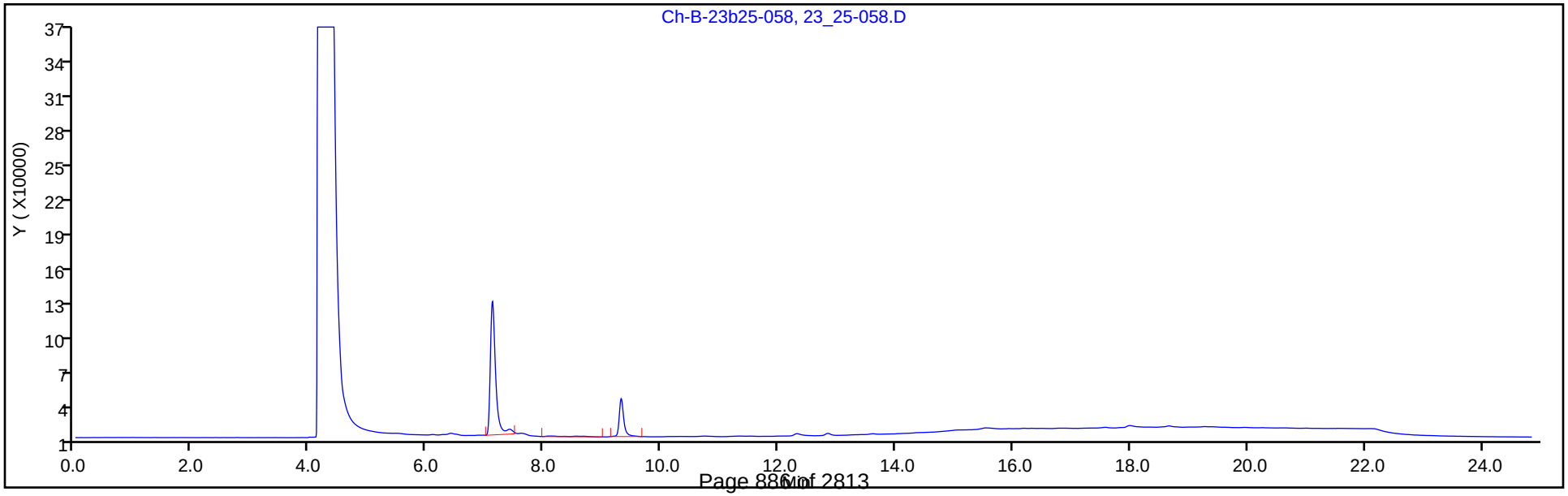
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-058.D

Injection Date:	08-Mar-2022 10:38:53	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-9-C	Lab Sample ID:	480-195466-9	Worklist Smp#:	5
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-058.D				
Lims ID:	480-195466-E-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 10:38:53	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 11:08:51		

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

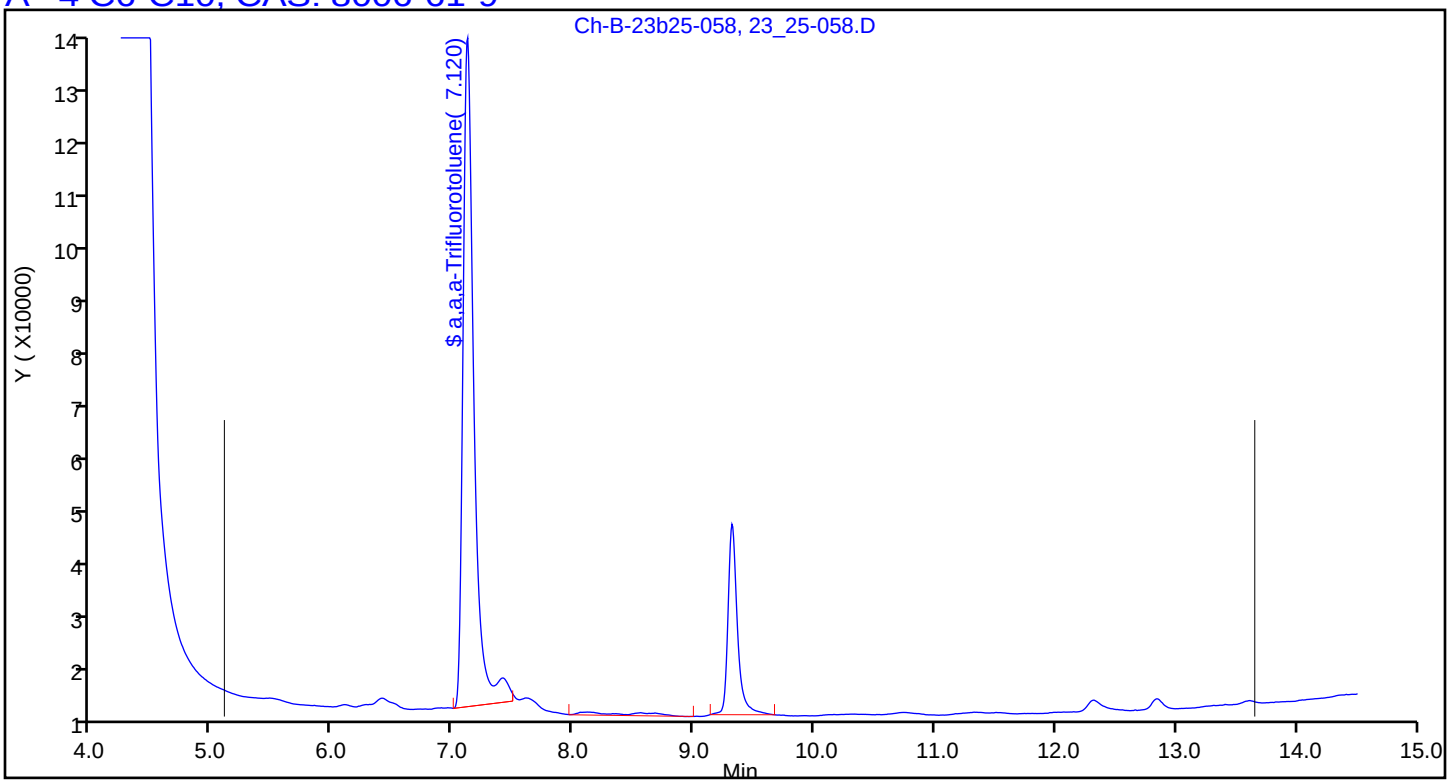
Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	26.0	86.59

Report Date: 08-Mar-2022 13:51:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-058.D				
Injection Date:	08-Mar-2022 10:38:53	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-C	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

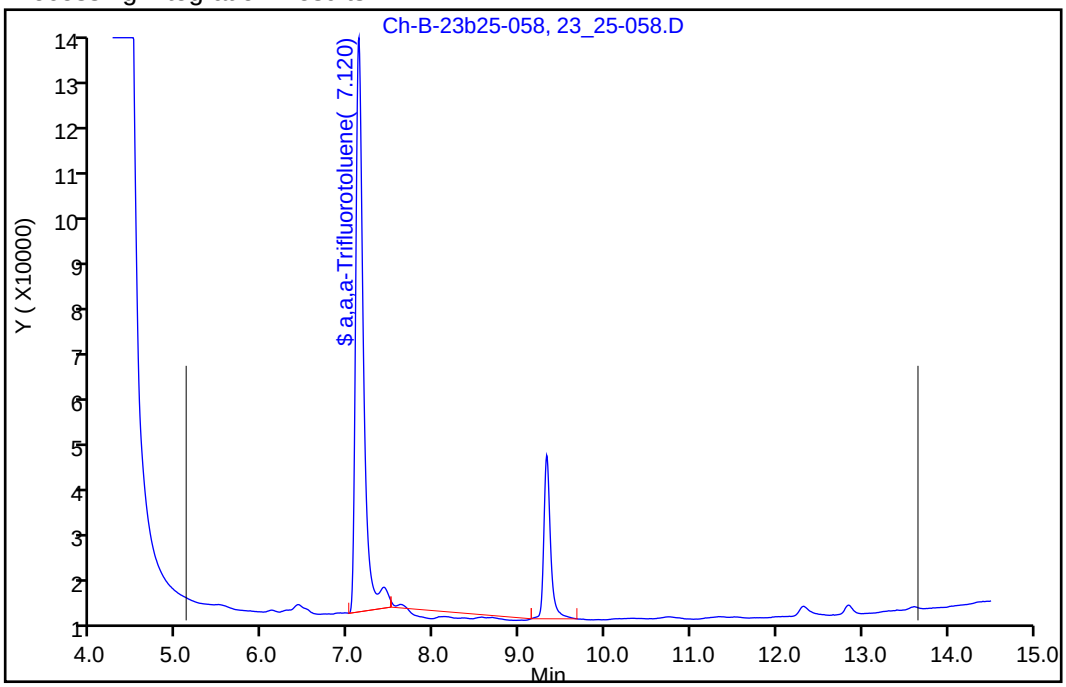
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-058.D				
Injection Date:	08-Mar-2022 10:38:53	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-C	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

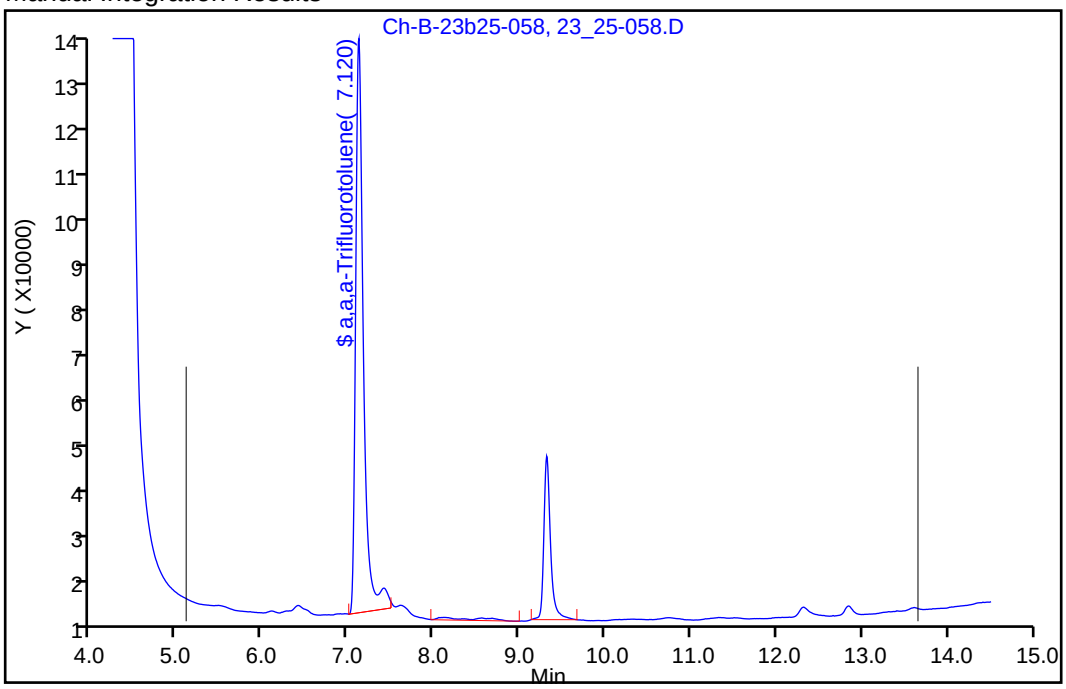
Processing Integration Results

RT: 9.38
Response: 249110
Amount: 34.123362



Manual Integration Results

RT: 9.38
Response: 196398
Amount: 31.255345



Reviewer: salversonj, 08-Mar-2022 11:08:46

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid
Lab File ID: 23_25-059.D
Analysis Method: 8015D
Date Collected: 03/02/2022 14:25
Sample wt/vol: 5.34(g)
Date Analyzed: 03/08/2022 11:15
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS ID: 0.53(mm)
% Moisture: 21.4
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	1.8		1.5	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	85		46-156

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-059.D				
Lims ID:	480-195466-C-10-A				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 11:15:01	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		

Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m		
Limit Group:	GC - 8015D GRO ICAL		
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D		

Column 1 :	RTX-VMS (0.53 mm)	Det: Ch-A-8a66002
Column 2 :	RTX-VMS (0.53 mm)	Det: Ch-B-8b66002
Process Host:	CTX1675	

First Level Reviewer: salversonj Date: 08-Mar-2022 12:31:17

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene						
2	7.120	7.107	0.013	721892	25.4	
A 4 C6-C10						M
2	9.377	(5.100-13.653)		187691	30.8	M

QC Flag Legend

Processing Flags

Review Flags

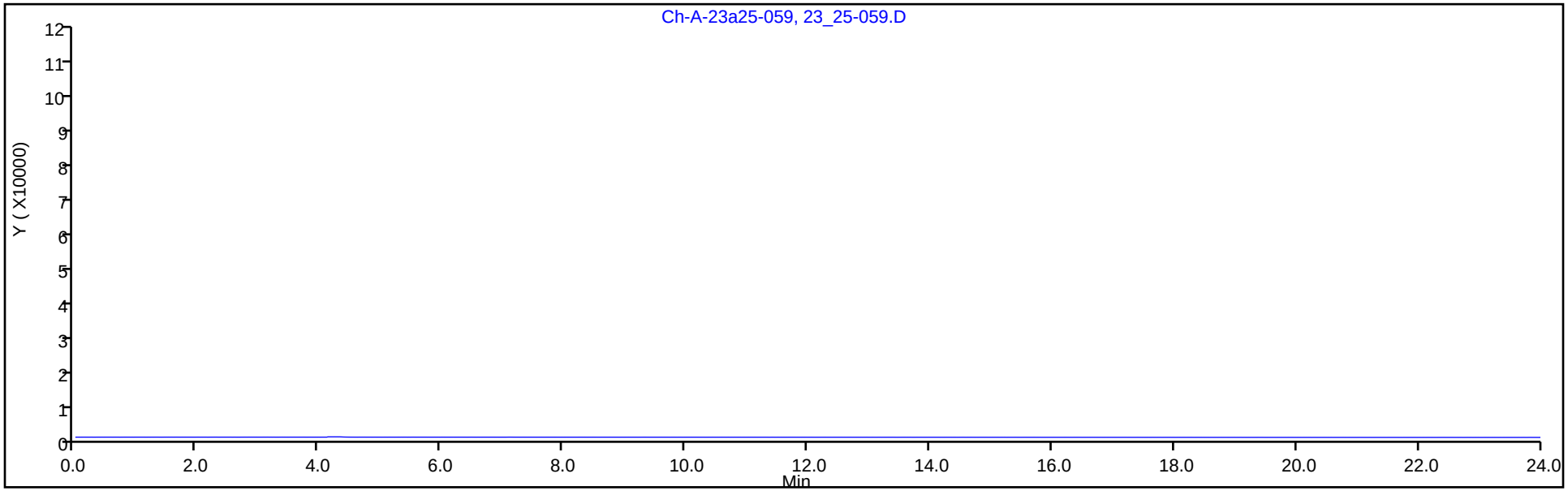
M - Manually Integrated

Report Date: 08-Mar-2022 13:51:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

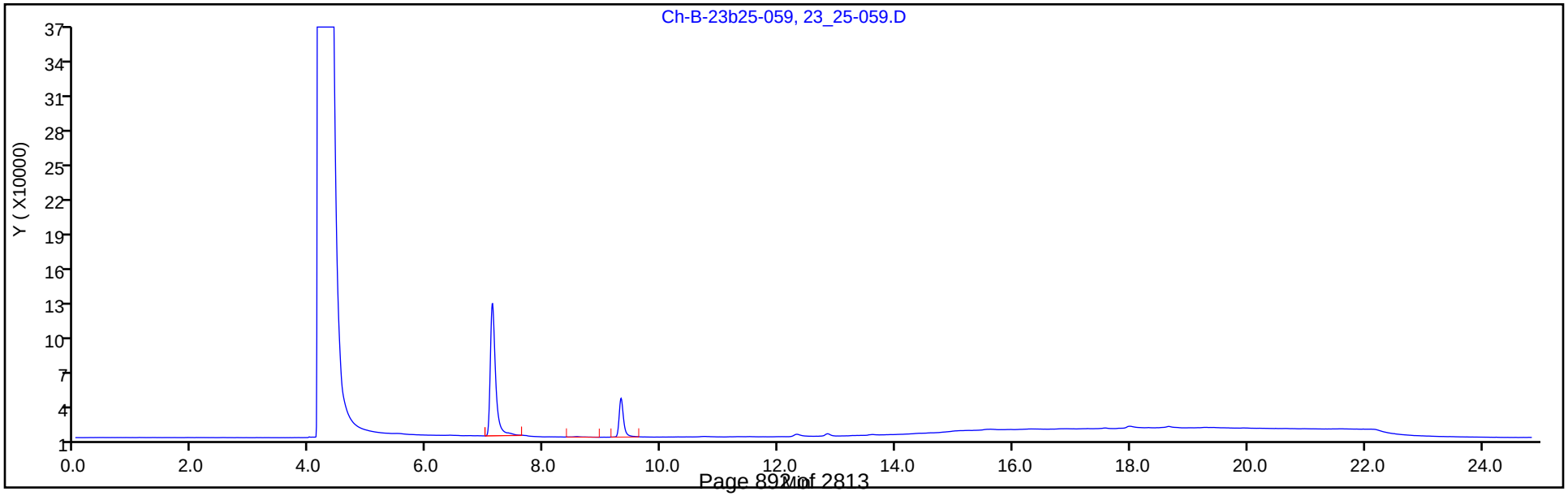
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-059.D				
Injection Date:	08-Mar-2022 11:15:01	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	480-195466-C-10-A	Lab Sample ID:	480-195466-10	Worklist Smp#:	6
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-059.D				
Lims ID:	480-195466-C-10-A				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	08-Mar-2022 11:15:01	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 12:31:17		

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

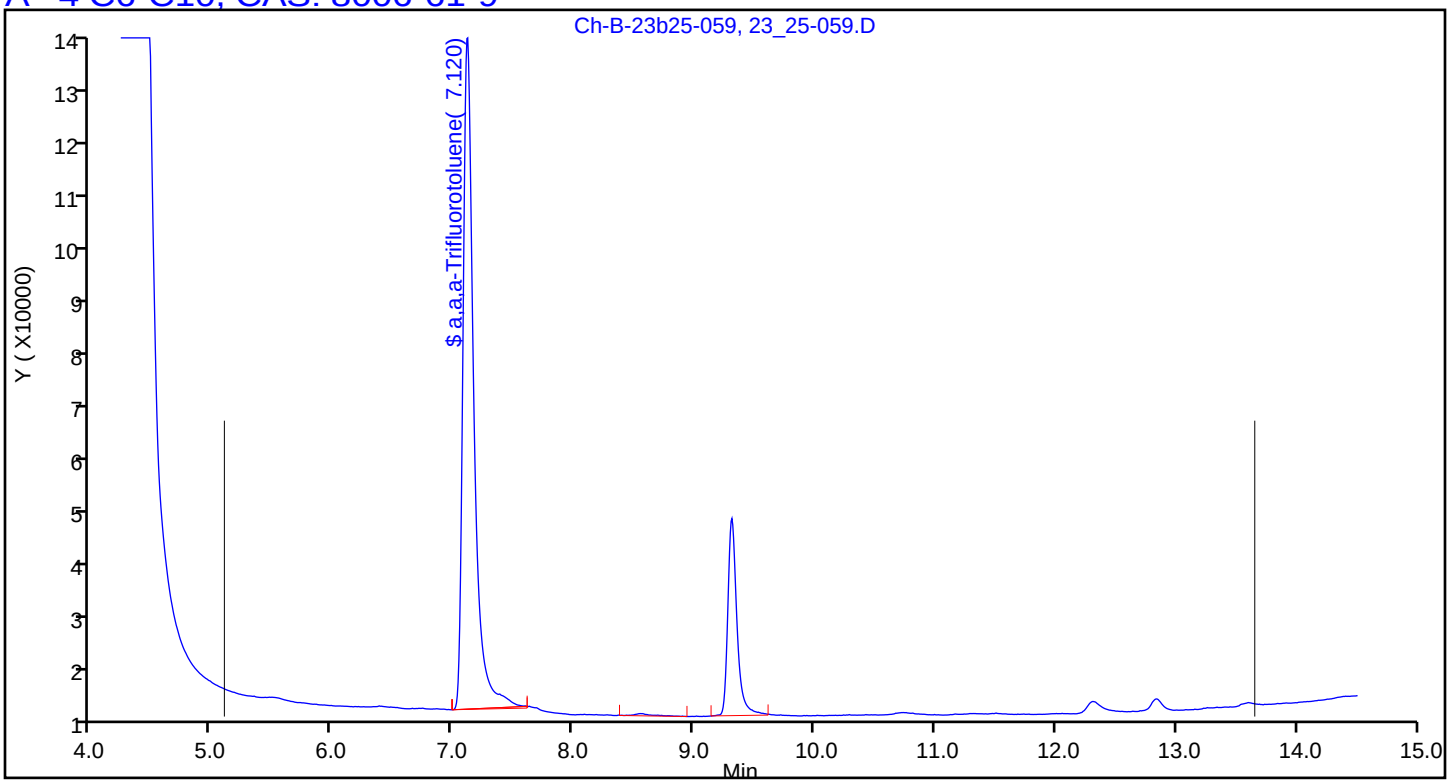
Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	25.4	84.62

Report Date: 08-Mar-2022 13:51:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-059.D				
Injection Date:	08-Mar-2022 11:15:01	Instrument ID:	HP5890-23		
Lims ID:	480-195466-C-10-A	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

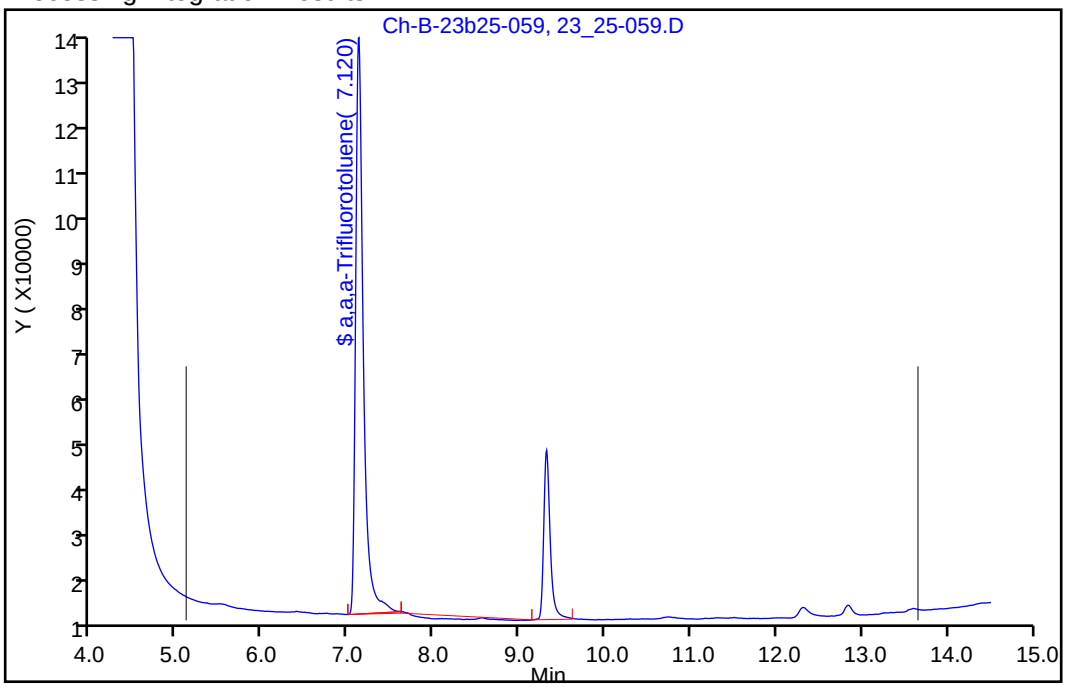
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-059.D				
Injection Date:	08-Mar-2022 11:15:01	Instrument ID:	HP5890-23		
Lims ID:	480-195466-C-10-A	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

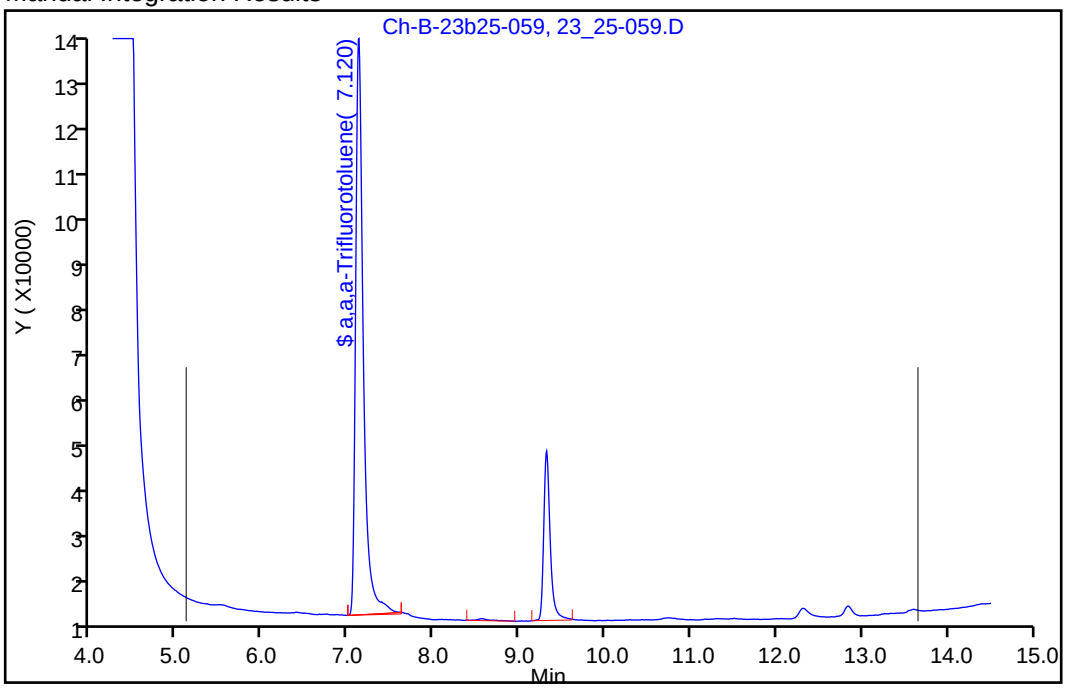
Processing Integration Results

RT: 9.38
Response: 220475
Amount: 32.565355



Manual Integration Results

RT: 9.38
Response: 187691
Amount: 30.781605



Reviewer: salversonj, 08-Mar-2022 12:31:04

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM VI
GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 607185

SDG No.:

Instrument ID: HP5890-23 GC Column: RTX-VMS ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 10:24 Calibration End Date: 12/01/2021 12:49 Calibration ID: 42768

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-607185/3	23_23-169.D
Level 2	STD2 480-607185/4	23_23-170.D
Level 3	STD3 480-607185/5	23_23-171.D
Level 4	STD4 480-607185/6	23_23-172.D
Level 5	STD5 480-607185/7	23_23-173.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
GRO (C6-C10)	9.487	9.487	9.487	9.487	9.487						4.980 - 13.993	9.487
a,a,a-Trifluorotoluene	7.093	7.100	7.107	7.100	7.100						7.037 - 7.177	7.100

FORM VI
GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 607185

SDG No.:

Instrument ID: HP5890-23 GC Column: RTX-VMS ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 10:24 Calibration End Date: 12/01/2021 12:49 Calibration ID: 42768

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-607185/3	23_23-169.D
Level 2	STD2 480-607185/4	23_23-170.D
Level 3	STD3 480-607185/5	23_23-171.D
Level 4	STD4 480-607185/6	23_23-172.D
Level 5	STD5 480-607185/7	23_23-173.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 3	LVL 4		B	M1	M2								
GRO (C6-C10)	4081.9 18289	9386.5	15589	16952	Lin1	-378051.89	18379.2528							0.9990		0.9900
a,a,a-Trifluorotoluene	29652 27280	29109	28515	27618	Ave		28435.0179				3.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 607185

SDG No.:

Instrument ID: HP5890-23 GC Column: RTX-VMS ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 10:24 Calibration End Date: 12/01/2021 12:49 Calibration ID: 42768

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-607185/3	23_23-169.D
Level 2	STD2 480-607185/4	23_23-170.D
Level 3	STD3 480-607185/5	23_23-171.D
Level 4	STD4 480-607185/6	23_23-172.D
Level 5	STD5 480-607185/7	23_23-173.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
GRO (C6-C10)	Lin1	102047	469327	1558943	8475954	18288718	25.0	50.0	100	500	1000
a,a,a-Trifluorotoluene	Ave	1334343	1309918	1283181	1242816	1227620	45.0	45.0	45.0	45.0	45.0

Curve Type Legend
Ave = Average
Lin1 = Linear 1/conc

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-169.D				
Lims ID:	STD1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	01-Dec-2021 10:24:47	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	01-Dec-2021 13:57:39	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1627				

First Level Reviewer: salversonj Date: 01-Dec-2021 13:19:03

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.093	7.107	-0.014	1334343	45.0	46.9	
A 4 C6-C10							M
2	9.487	(4.980-13.993)		102047	25.0	26.1	M
A 5 Gasoline							M
2	9.487	(4.980-13.993)		102047	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

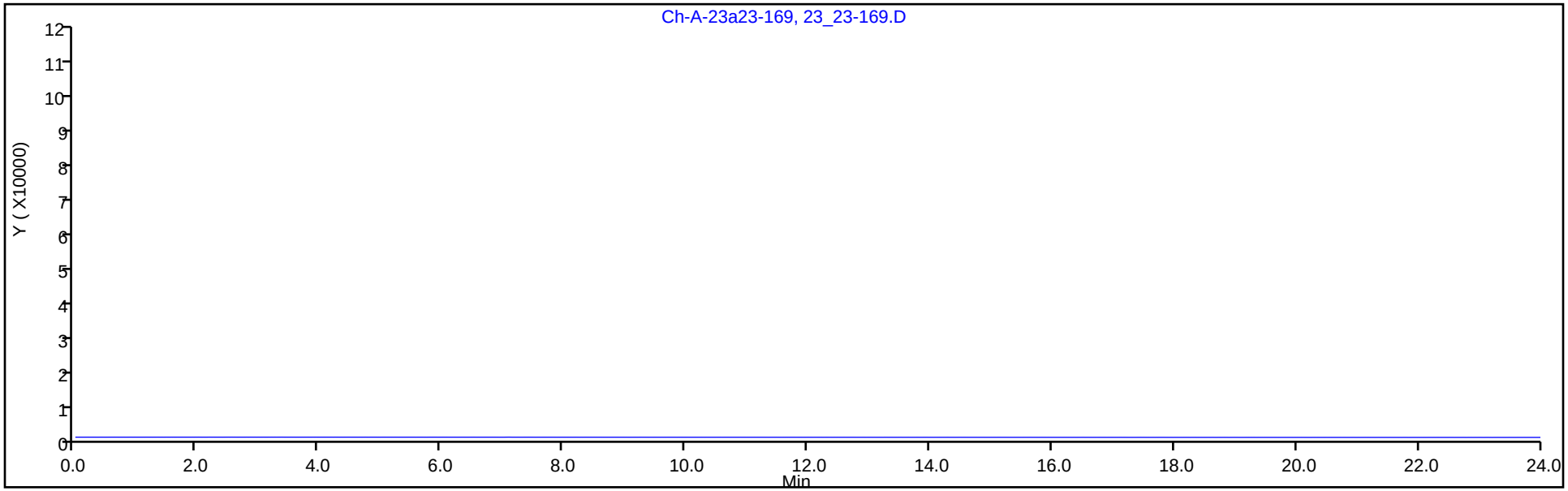
gro_inter_.5_00038	Amount Added:	2.20	Units: mL	
GRO_SURR_150_00129	Amount Added:	1.50	Units: uL	Run Reagent

Report Date: 01-Dec-2021 13:57:39 Chrom Revision: 2.3 15-Nov-2021 20:34:30

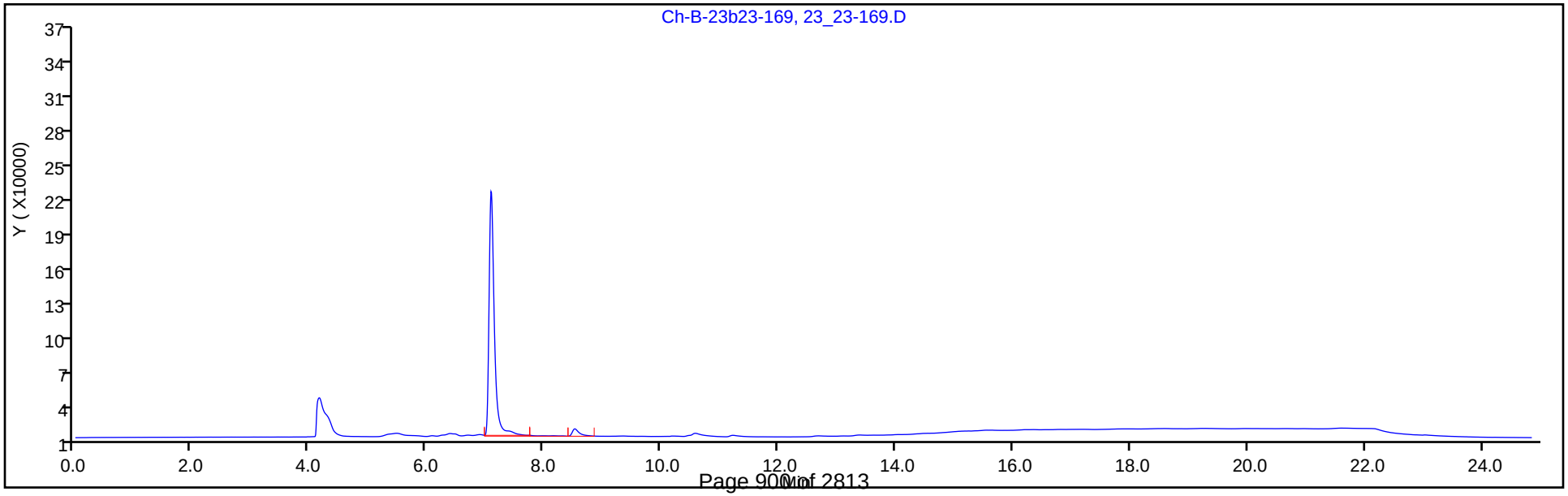
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-169.D				
Injection Date:	01-Dec-2021 10:24:47	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	STD1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

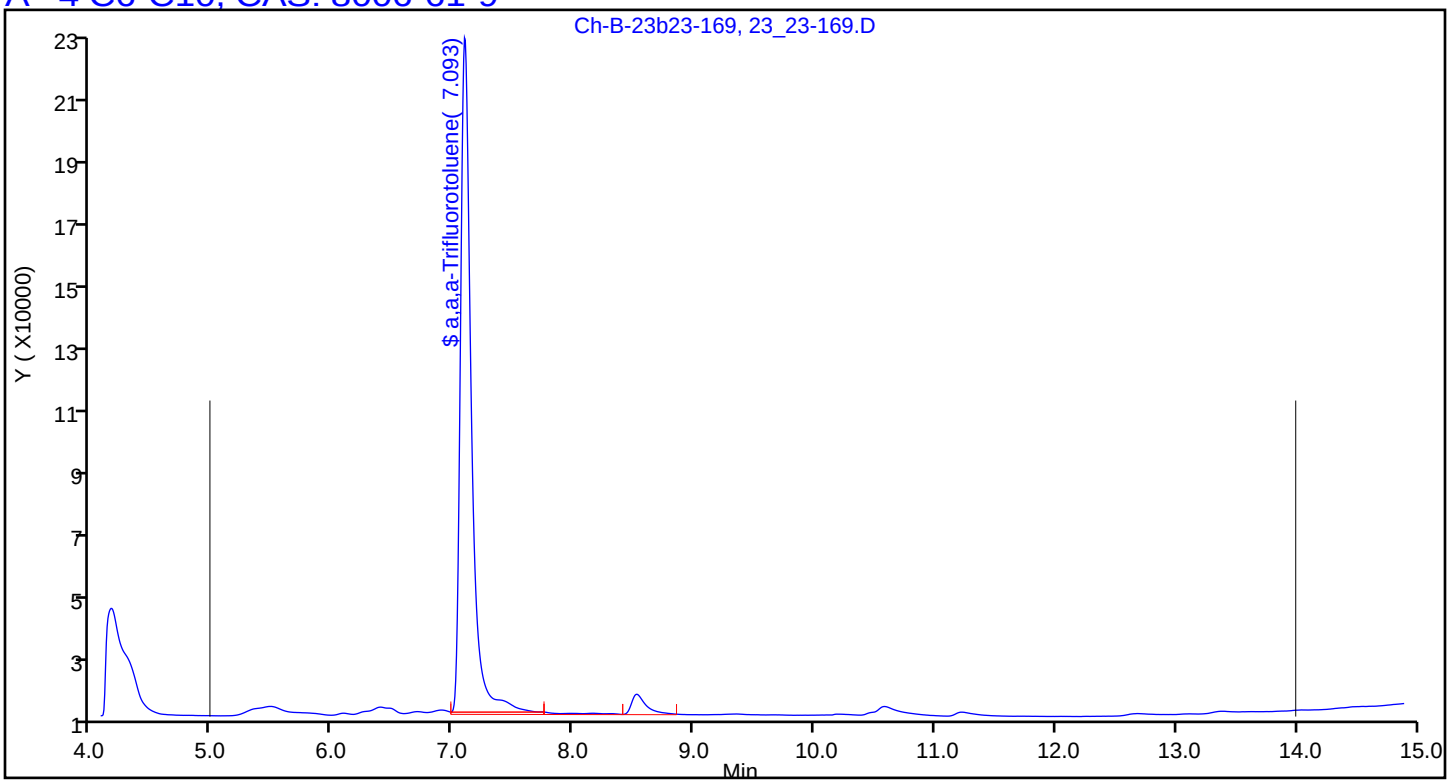


Report Date: 01-Dec-2021 13:57:39 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-169.D				
Injection Date:	01-Dec-2021 10:24:47	Instrument ID:	HP5890-23		
Lims ID:	STD1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

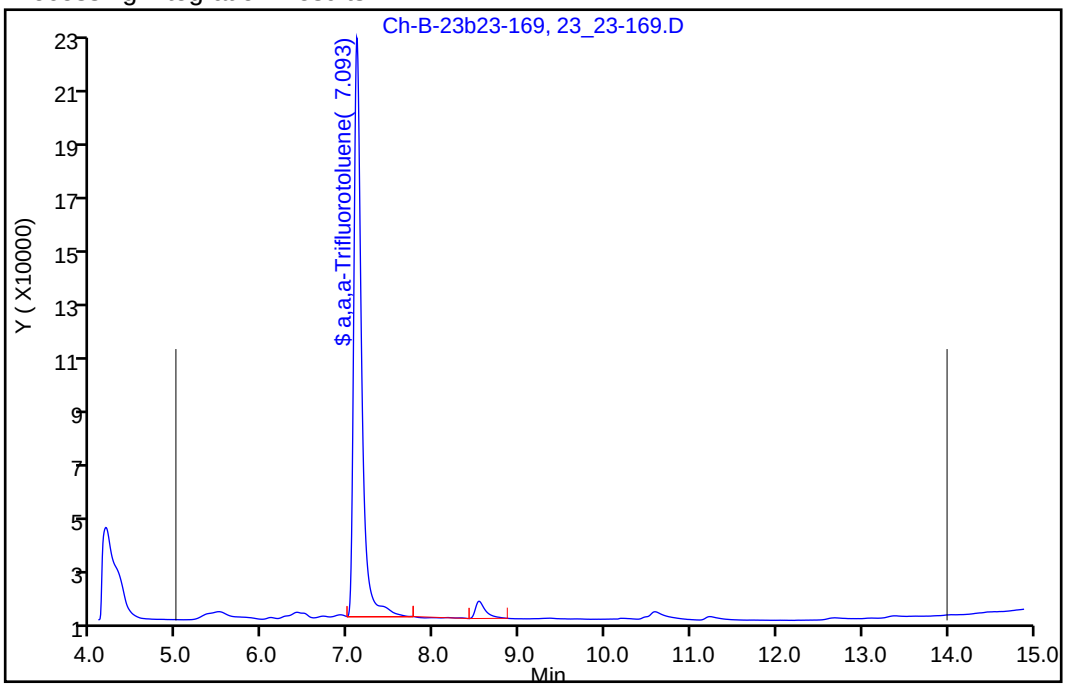
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-169.D				
Injection Date:	01-Dec-2021 10:24:47	Instrument ID:	HP5890-23		
Lims ID:	STD1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.487, CAS: 8006-61-9

Signal: 1

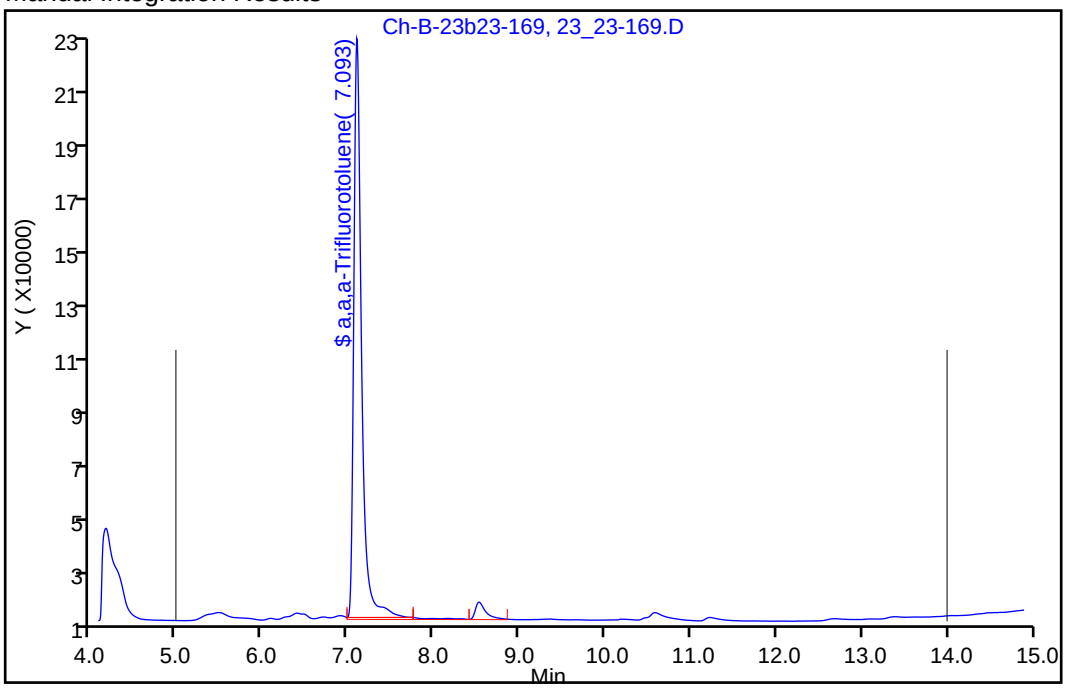
Processing Integration Results

RT: 9.49
Response: 59425
Amount: 22.649075



Manual Integration Results

RT: 9.49
Response: 102047
Amount: 26.121785



Reviewer: salversonj, 01-Dec-2021 13:19:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-170.D				
Lims ID:	STD2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	01-Dec-2021 11:00:47	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	01-Dec-2021 13:57:40	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1627				

First Level Reviewer: salversonj Date: 01-Dec-2021 12:03:27

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.100	7.107	-0.007	1309918	45.0	46.1	
A 4 C6-C10							M
2	9.487	(4.980-13.993)		469327	50.0	46.1	M
A 5 Gasoline							M
2	9.487	(4.980-13.993)		469327	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

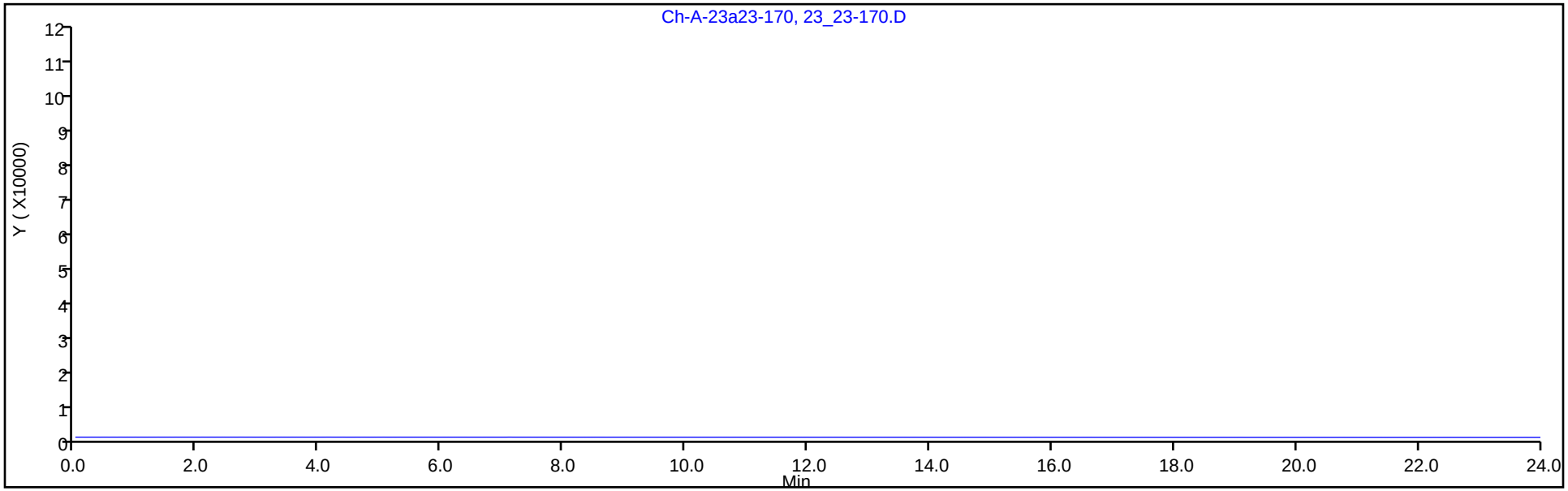
gro_inter_.5_00038	Amount Added:	4.40	Units: mL	
GRO_SURR_150_00129	Amount Added:	1.50	Units: uL	Run Reagent

Report Date: 01-Dec-2021 13:57:40 Chrom Revision: 2.3 15-Nov-2021 20:34:30

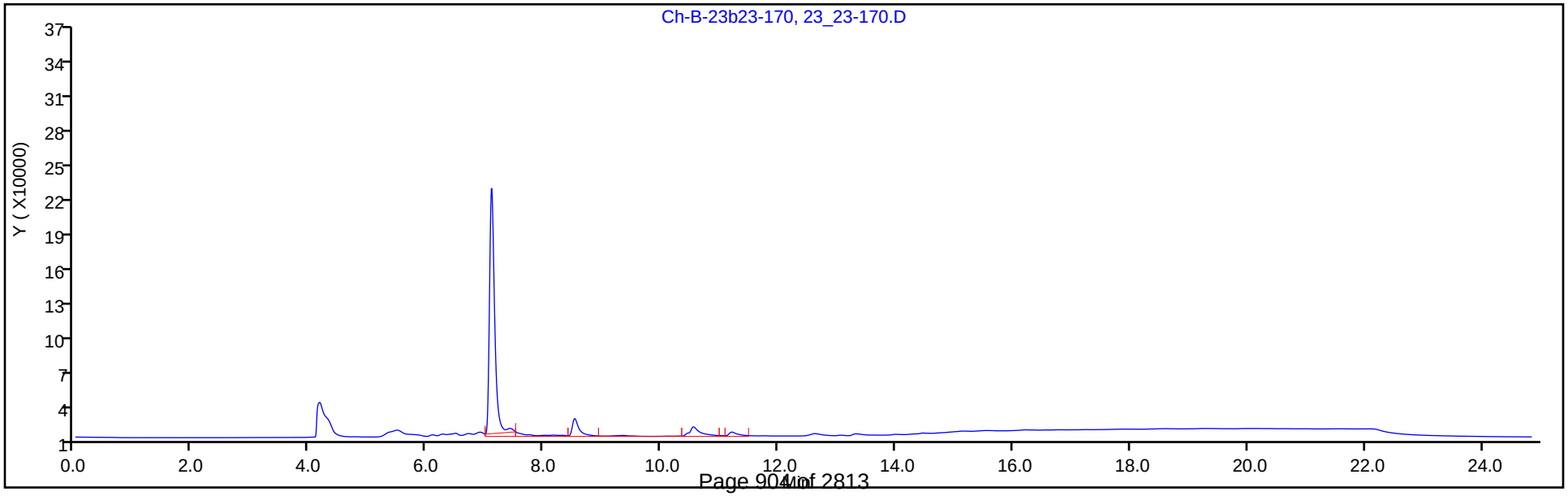
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-170.D				
Injection Date:	01-Dec-2021 11:00:47	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	STD2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

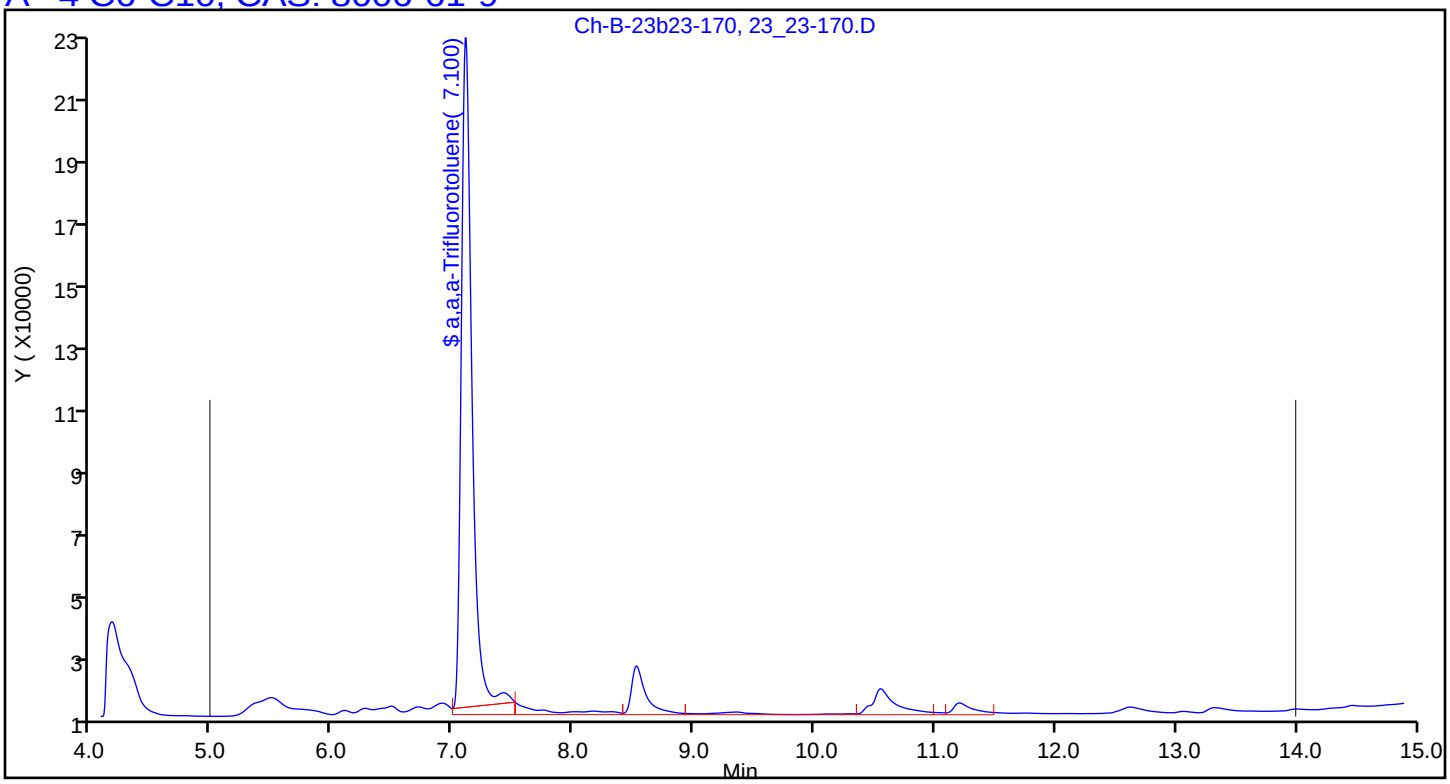


Report Date: 01-Dec-2021 13:57:40 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-170.D				
Injection Date:	01-Dec-2021 11:00:47	Instrument ID:	HP5890-23		
Lims ID:	STD2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

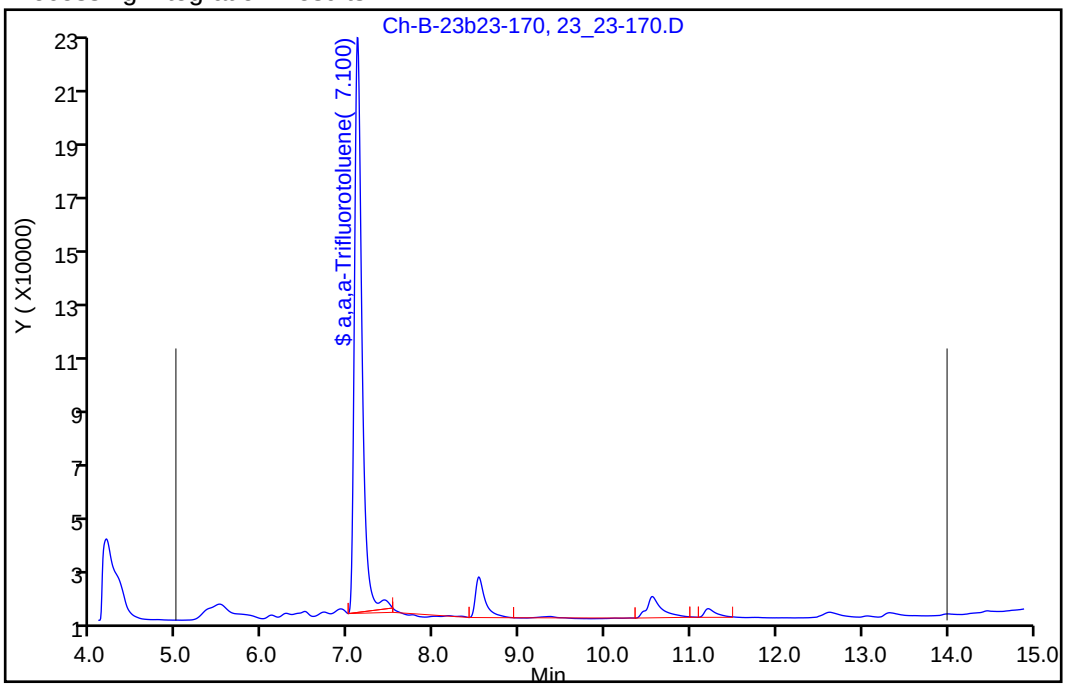
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-170.D				
Injection Date:	01-Dec-2021 11:00:47	Instrument ID:	HP5890-23		
Lims ID:	STD2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.487, CAS: 8006-61-9

Signal: 1

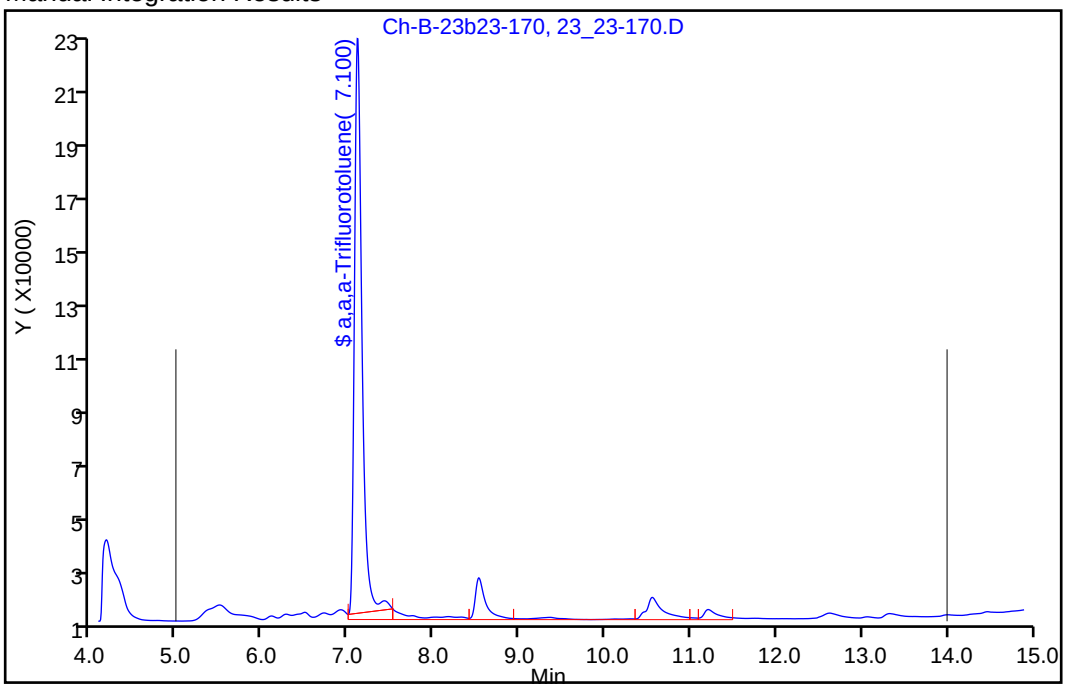
Processing Integration Results

RT: 9.49
Response: 283638
Amount: 36.977372



Manual Integration Results

RT: 9.49
Response: 469327
Amount: 46.105187



Reviewer: salversonj, 01-Dec-2021 13:17:41
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-171.D				
Lims ID:	STD3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	01-Dec-2021 11:36:54	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	01-Dec-2021 13:57:41	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1627				

First Level Reviewer: salversonj Date: 01-Dec-2021 12:43:02

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.107	7.107	0.000	1283181	45.0	45.1	
A 4 C6-C10							M
2	9.487	(4.980-13.993)		1558943	100.0	105.4	M
A 5 Gasoline							M
2	9.487	(4.980-13.993)		1558943	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

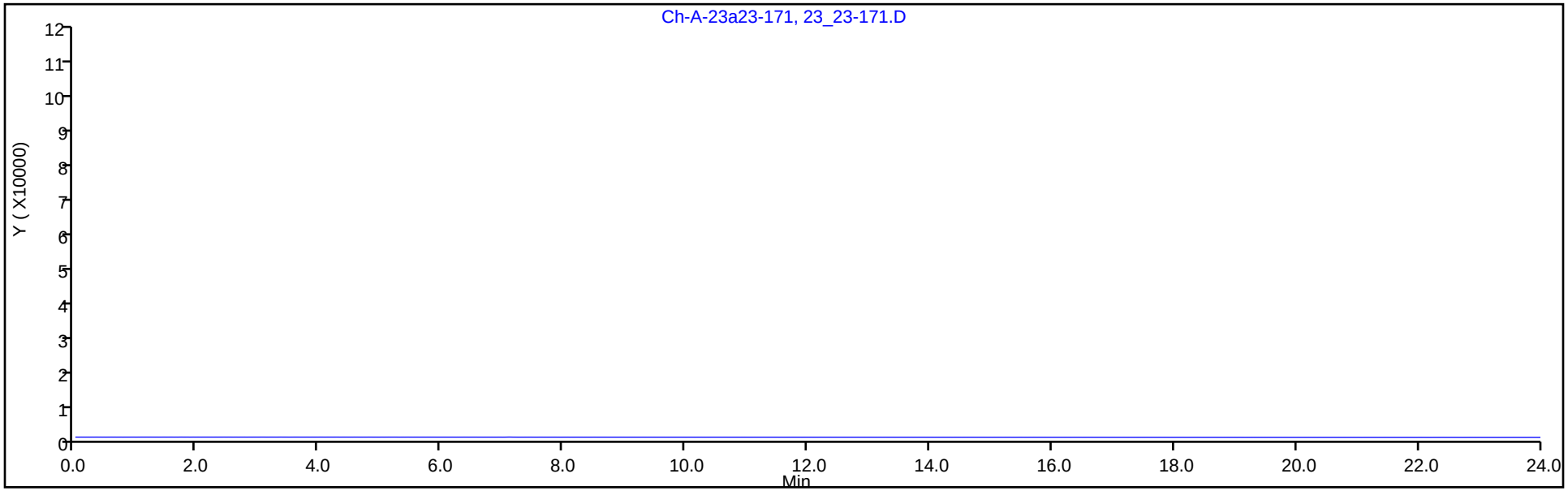
gro_inter_.5_00038	Amount Added:	8.80	Units: mL	
GRO_SURR_150_00129	Amount Added:	1.50	Units: uL	Run Reagent

Report Date: 01-Dec-2021 13:57:42 Chrom Revision: 2.3 15-Nov-2021 20:34:30

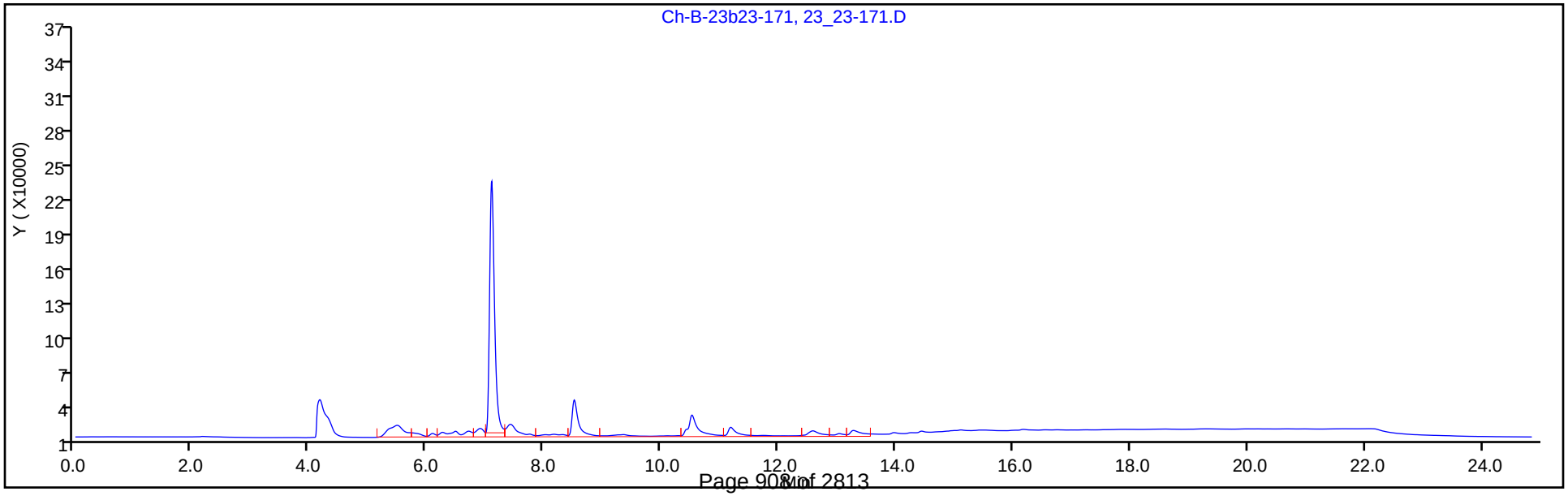
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-171.D				
Injection Date:	01-Dec-2021 11:36:54	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	STD3			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

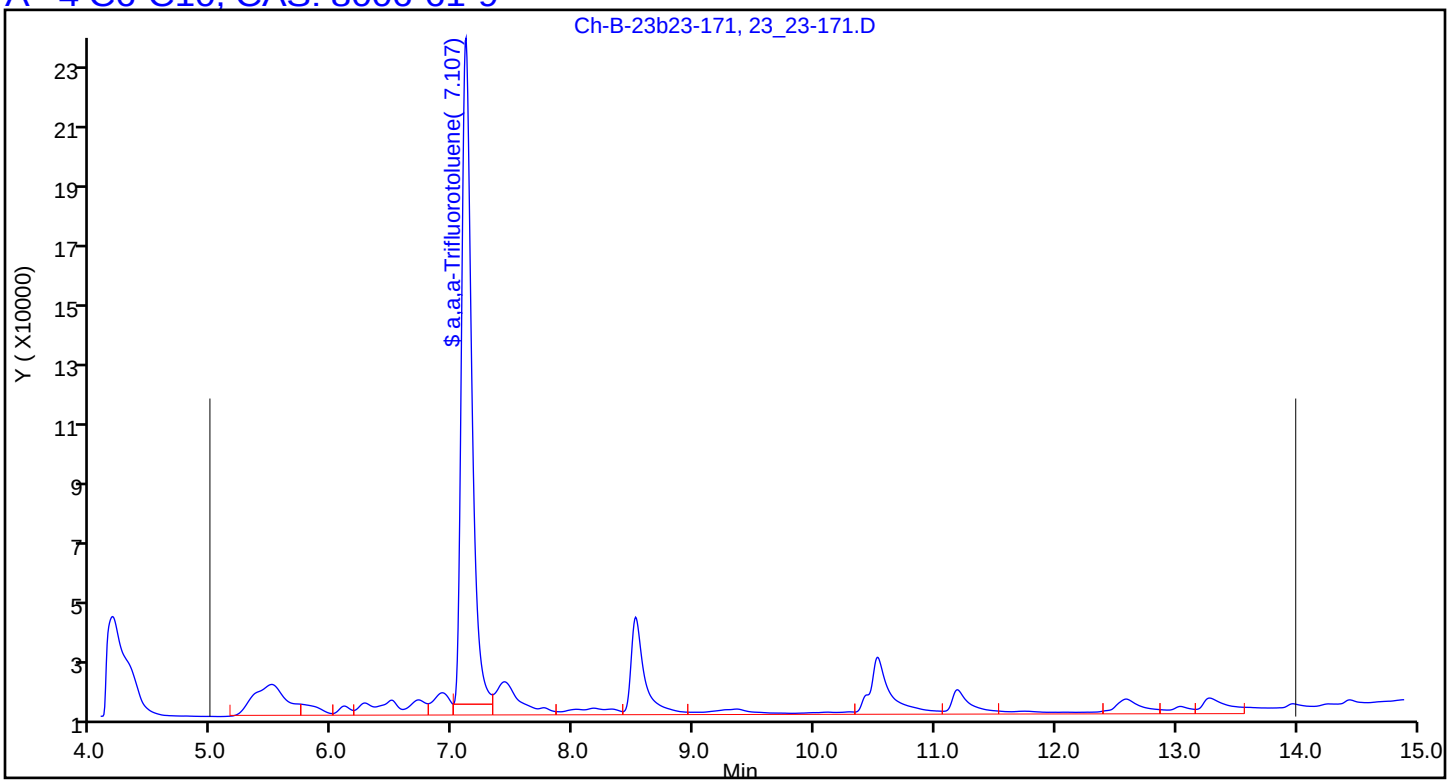


Report Date: 01-Dec-2021 13:57:42 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-171.D				
Injection Date:	01-Dec-2021 11:36:54	Instrument ID:	HP5890-23		
Lims ID:	STD3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

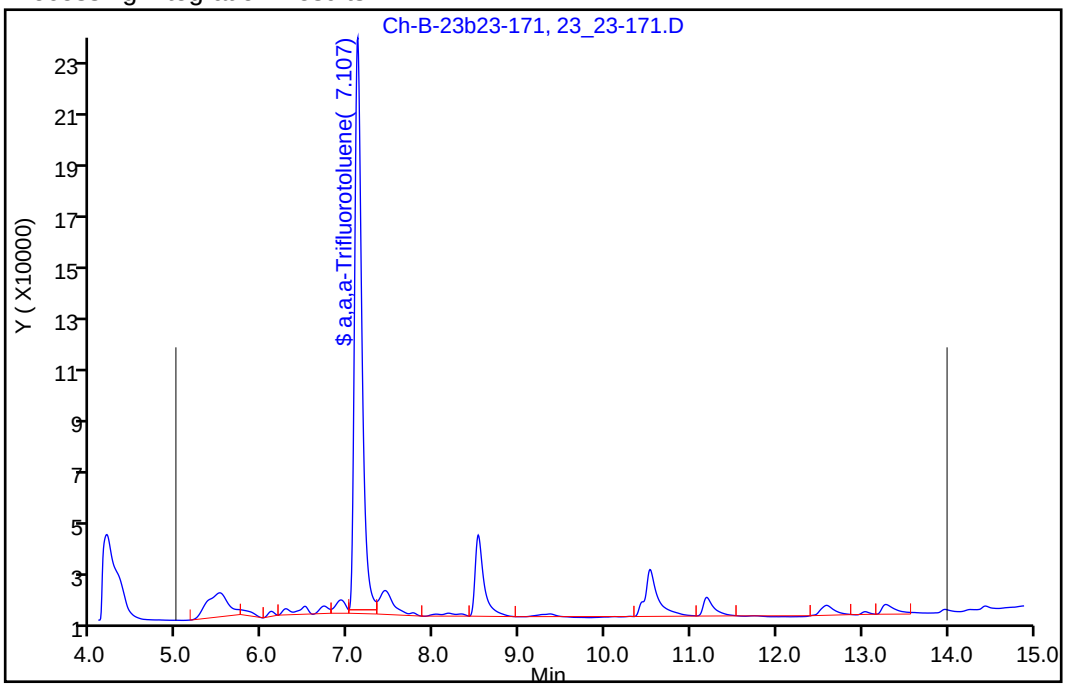
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-171.D				
Injection Date:	01-Dec-2021 11:36:54	Instrument ID:	HP5890-23		
Lims ID:	STD3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.487, CAS: 8006-61-9

Signal: 1

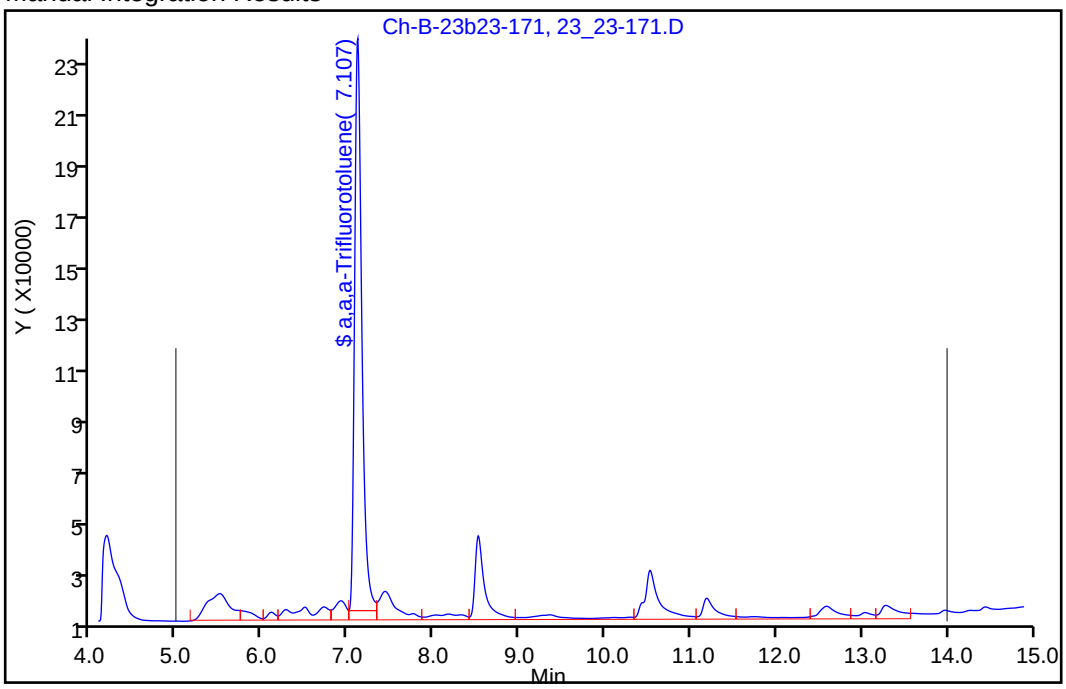
Processing Integration Results

RT: 9.49
Response: 1020193
Amount: 80.173781



Manual Integration Results

RT: 9.49
Response: 1558943
Amount: 105.3903



Reviewer: salversonj, 01-Dec-2021 13:19:28
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-172.D				
Lims ID:	STD4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	01-Dec-2021 12:13:04	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	01-Dec-2021 13:57:43	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1627				

First Level Reviewer: salversonj Date: 01-Dec-2021 13:18:07

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.100	7.107	-0.007	1242816	45.0	43.7	
A 4 C6-C10							M
2	9.487	(4.980-13.993)		8475954	500.0	481.7	M
A 5 Gasoline							M
2	9.487	(4.980-13.993)		8475954	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

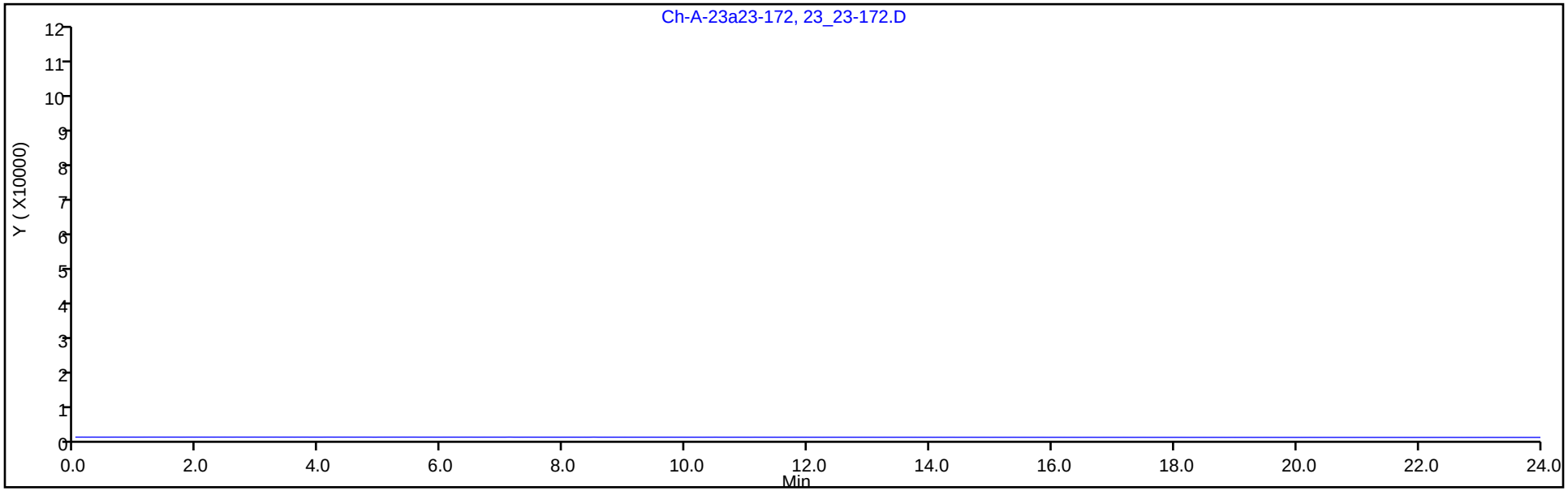
gro_inter_.5_00038	Amount Added: 44.00	Units: mL	
GRO_SURR_150_00129	Amount Added: 1.50	Units: uL	Run Reagent

Report Date: 01-Dec-2021 13:57:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

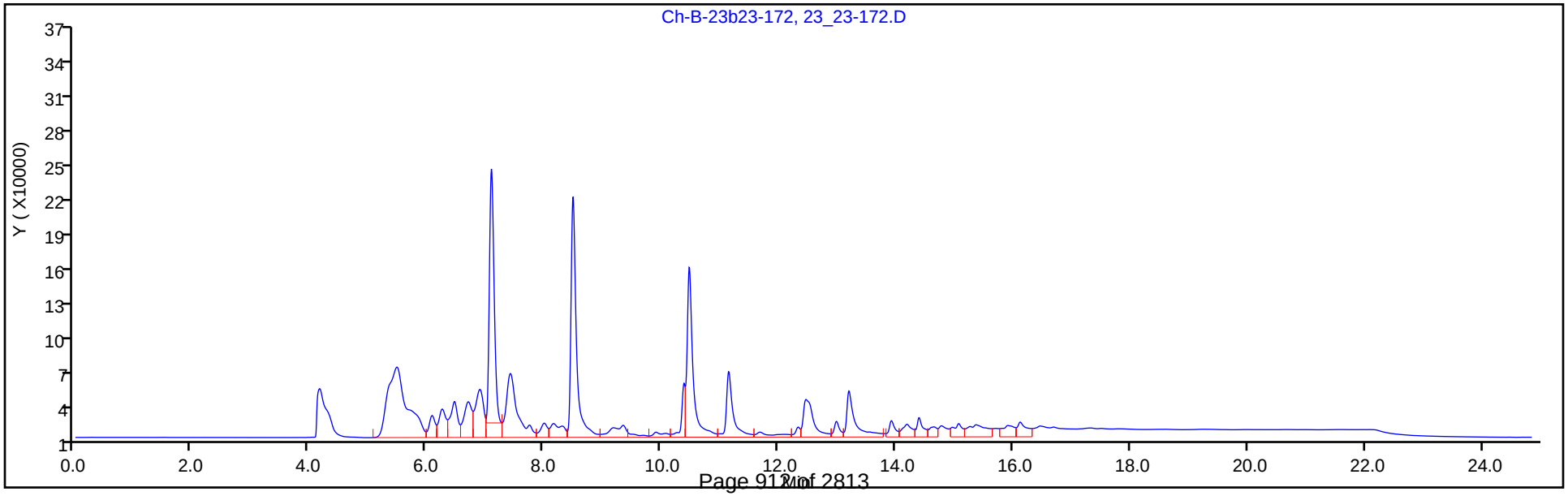
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-172.D				
Injection Date:	01-Dec-2021 12:13:04	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	STD4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

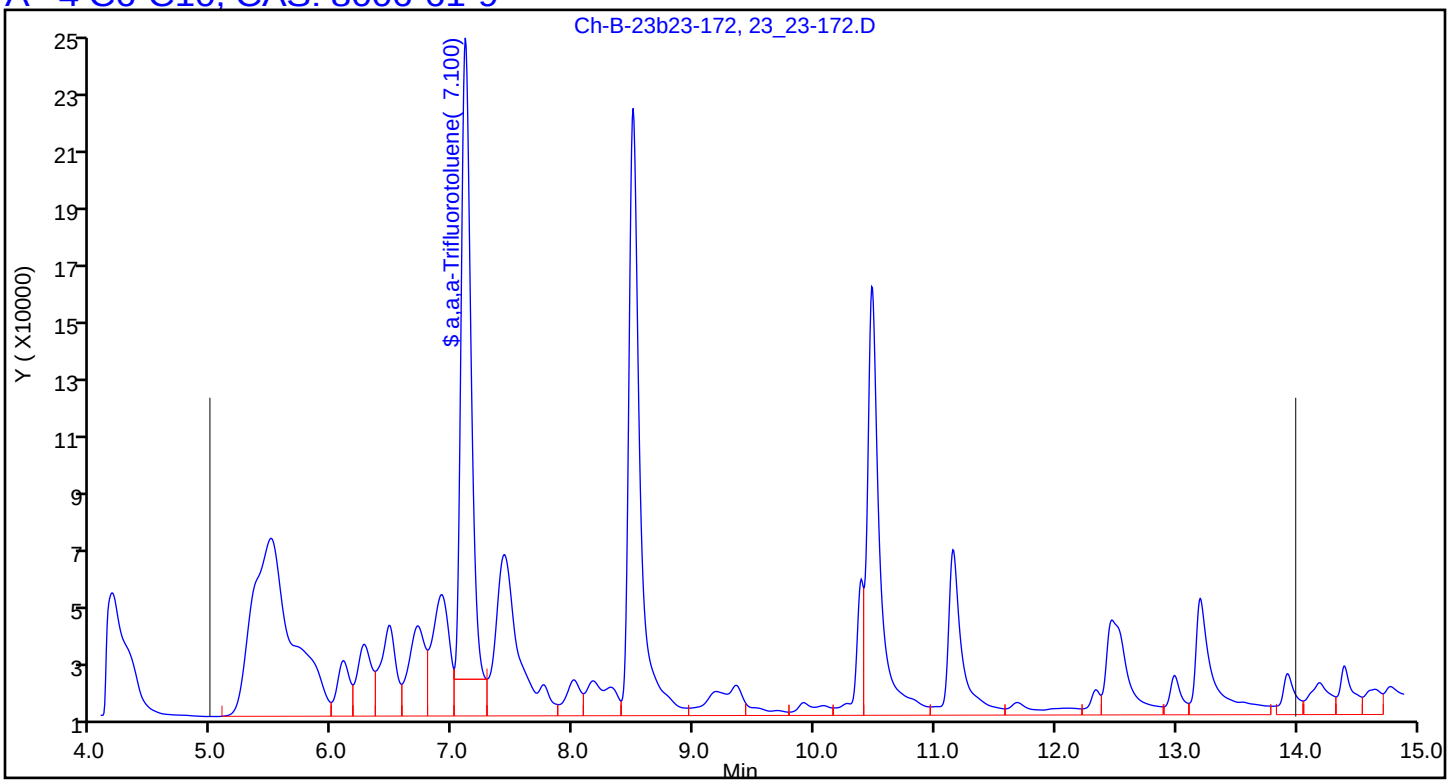


Report Date: 01-Dec-2021 13:57:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-172.D				
Injection Date:	01-Dec-2021 12:13:04	Instrument ID:	HP5890-23		
Lims ID:	STD4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

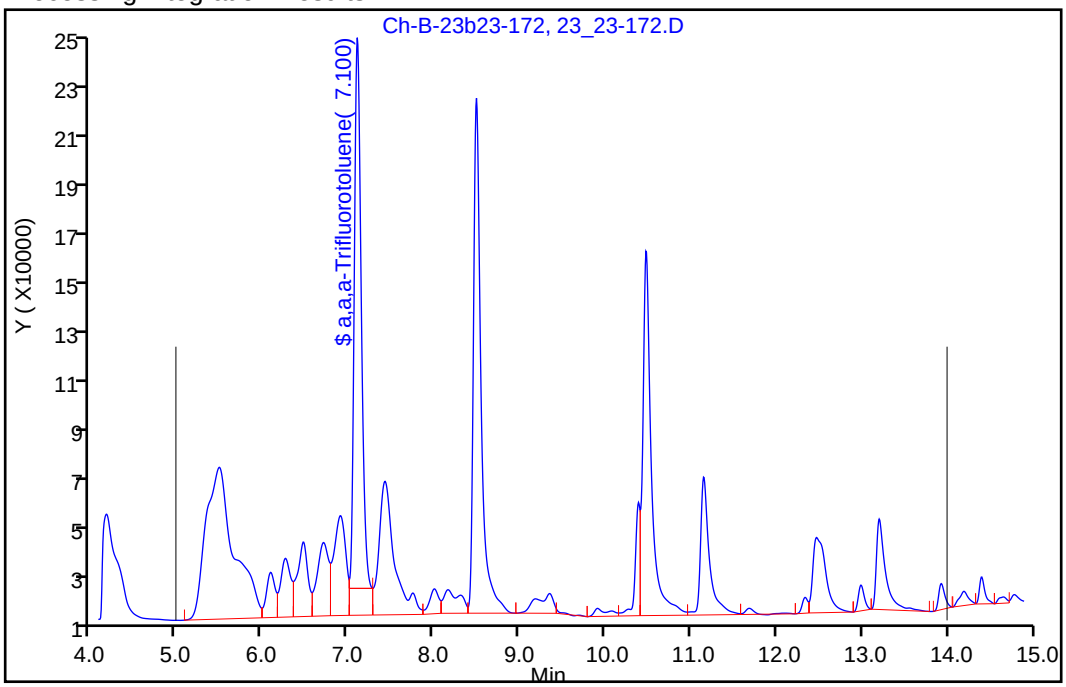
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-172.D				
Injection Date:	01-Dec-2021 12:13:04	Instrument ID:	HP5890-23		
Lims ID:	STD4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.487, CAS: 8006-61-9

Signal: 1

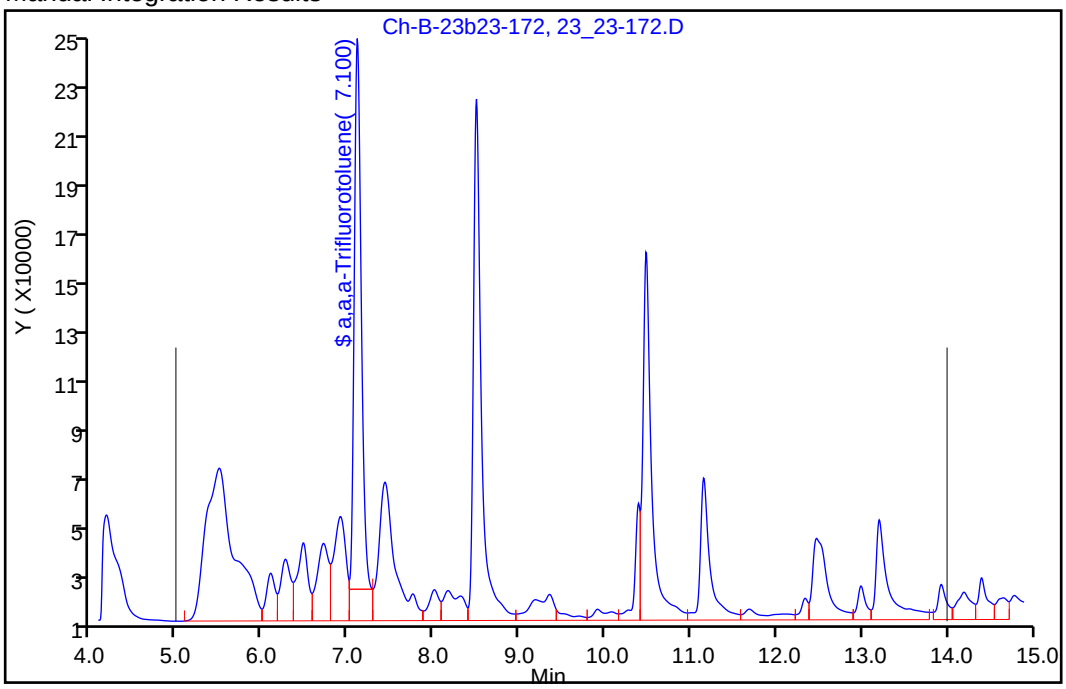
Processing Integration Results

RT: 9.49
Response: 7420801
Amount: 457.8626



Manual Integration Results

RT: 9.49
Response: 8475954
Amount: 481.7392



Reviewer: salversonj, 01-Dec-2021 13:18:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Lims ID:	STD5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	01-Dec-2021 12:49:07	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	01-Dec-2021 13:57:44	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1627				

First Level Reviewer: salversonj Date: 01-Dec-2021 13:16:36

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.100	7.107	-0.007	1227620	45.0	43.2	
A 4 C6-C10							M
2	9.487	(4.980-13.993)		18288718	1000.0	1015.6	M
A 5 Gasoline							M
2	9.487	(4.980-13.993)		18288718	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

GRO_STK_00140	Amount Added: 20.00	Units: uL	
GRO_SURR_150_00129	Amount Added: 1.50	Units: uL	Run Reagent

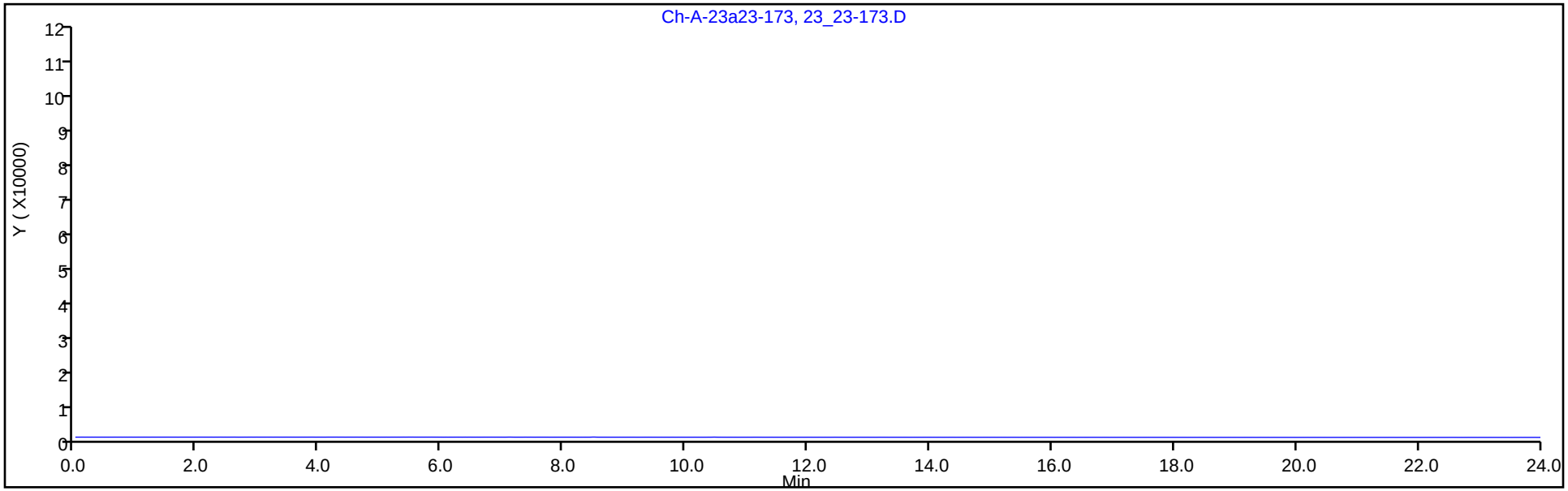
Report Date: 01-Dec-2021 13:57:44 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

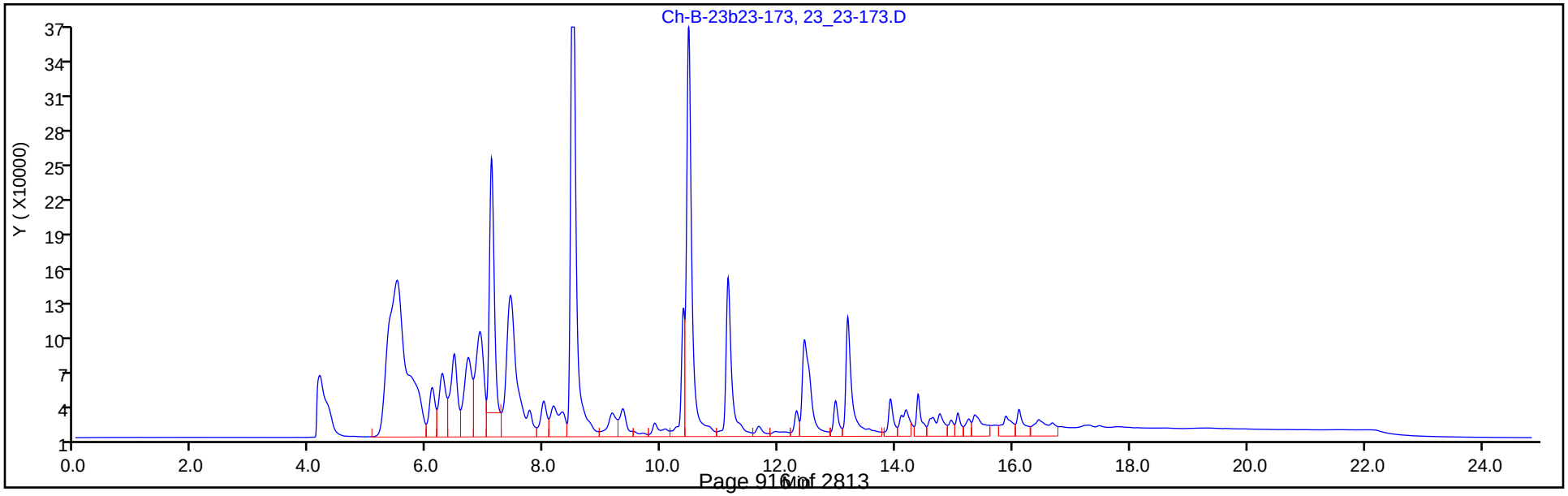
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D

Injection Date:	01-Dec-2021 12:49:07	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	STD5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

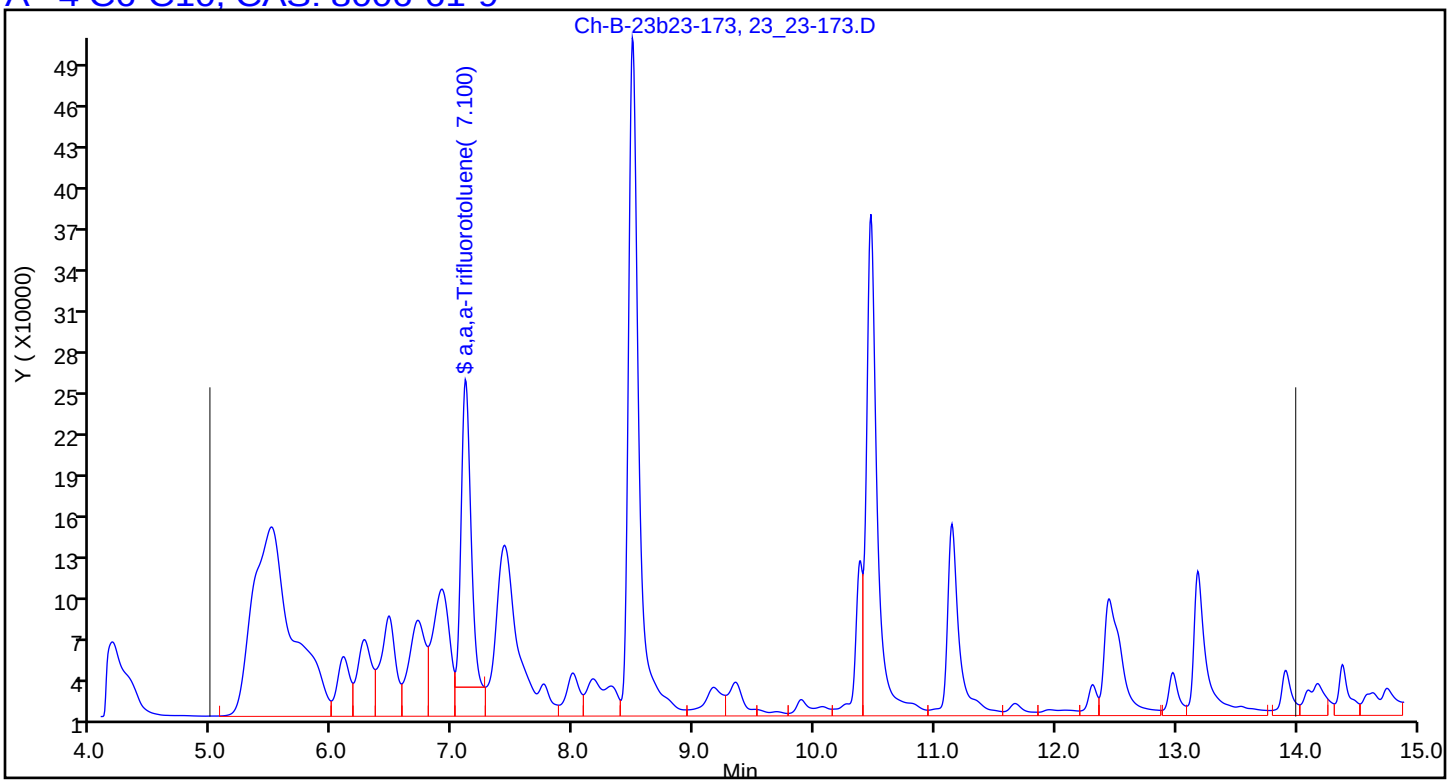


Report Date: 01-Dec-2021 13:57:44 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Injection Date:	01-Dec-2021 12:49:07	Instrument ID:	HP5890-23		
Lims ID:	STD5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

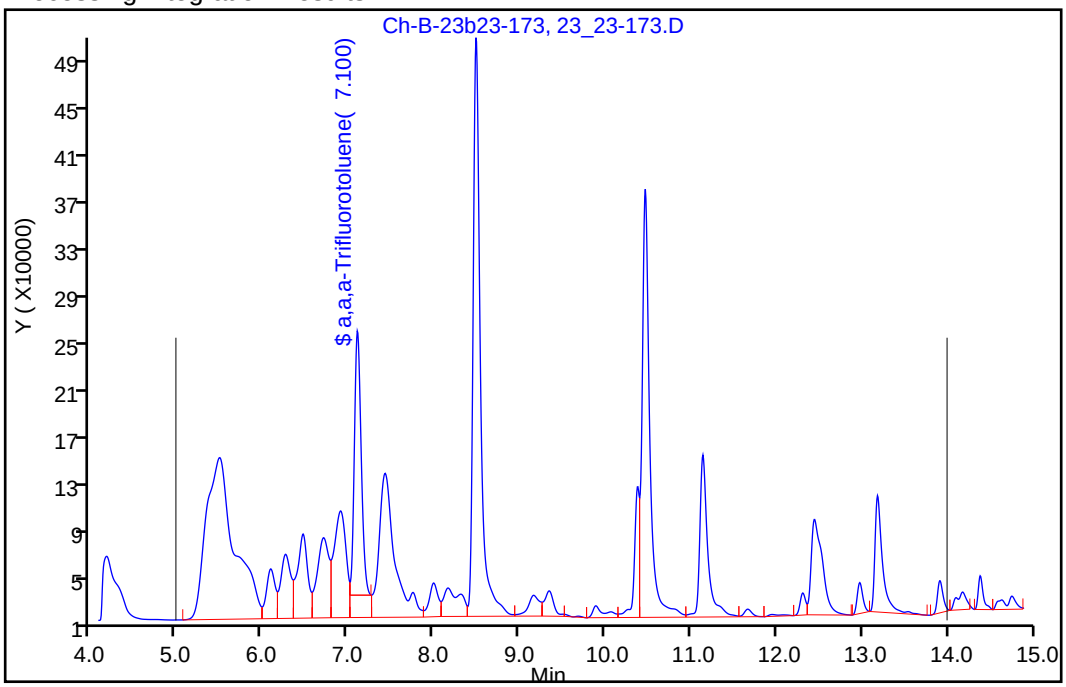
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Injection Date:	01-Dec-2021 12:49:07	Instrument ID:	HP5890-23		
Lims ID:	STD5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.487, CAS: 8006-61-9

Signal: 1

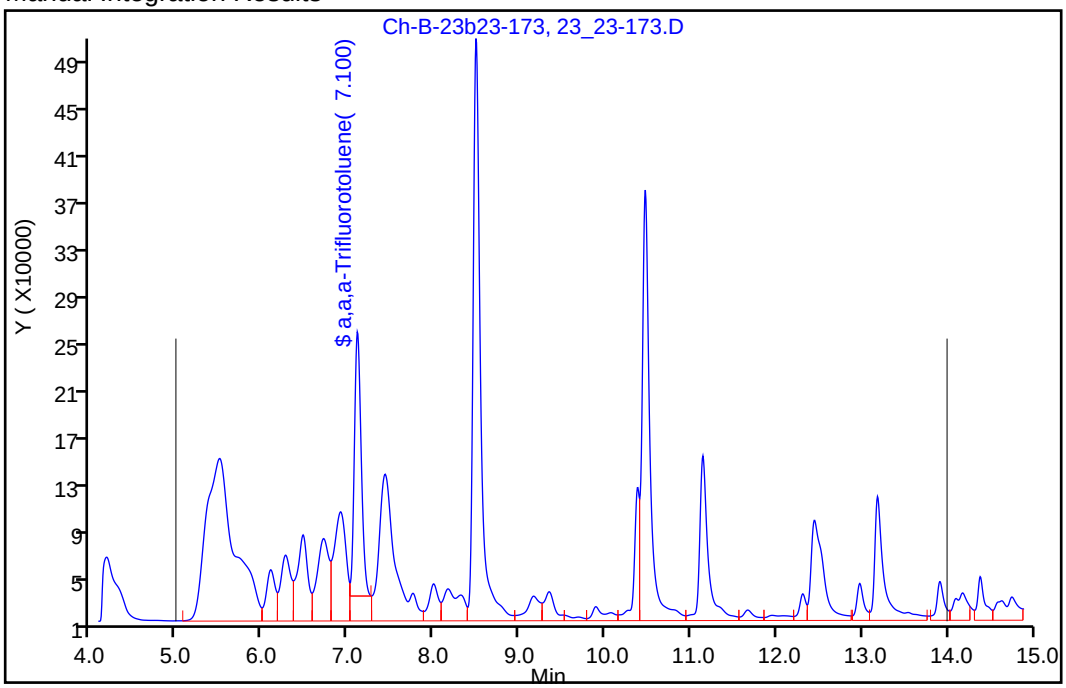
Processing Integration Results

RT: 9.49
Response: 16871449
Amount: 980.0744



Manual Integration Results

RT: 9.49
Response: 18288718
Amount: 1015.6436



Reviewer: salversonj, 01-Dec-2021 13:18:30
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Calibration / a,a,a-Trifluorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

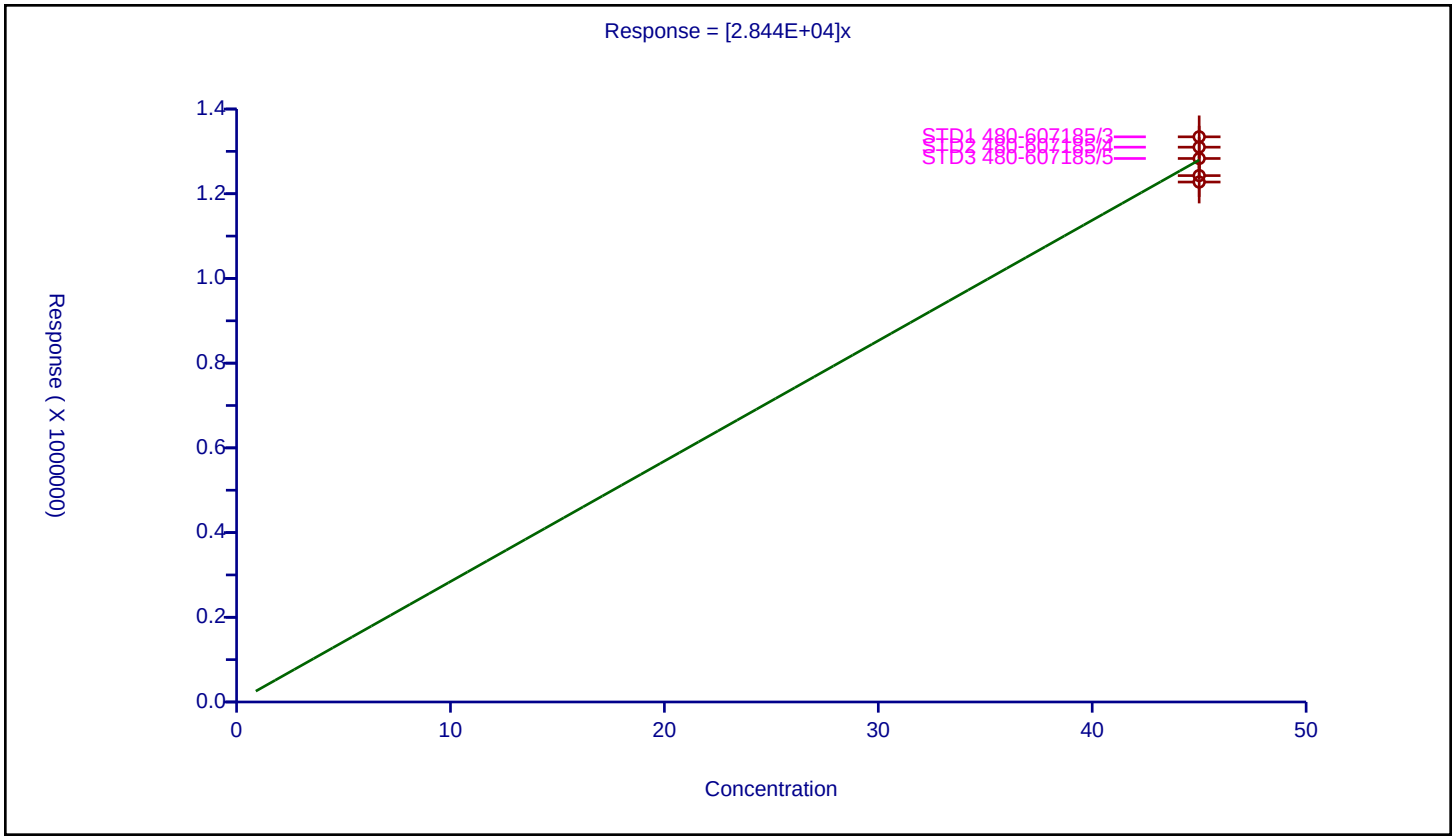
Curve Coefficients

Intercept:	0
Slope:	2.844E+04

Error Coefficients

Standard Error:	44700
Relative Standard Error:	3.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD1 480-607185/3	44.999993	1334343.0			29652.071411	Y
2	STD2 480-607185/4	44.999993	1309918.0			29109.293546	Y
3	STD3 480-607185/5	44.999993	1283181.0			28515.137896	Y
4	STD4 480-607185/6	44.999993	1242816.0			27618.137752	Y
5	STD5 480-607185/7	44.999993	1227620.0			27280.448809	Y



Calibration / C6-C10

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

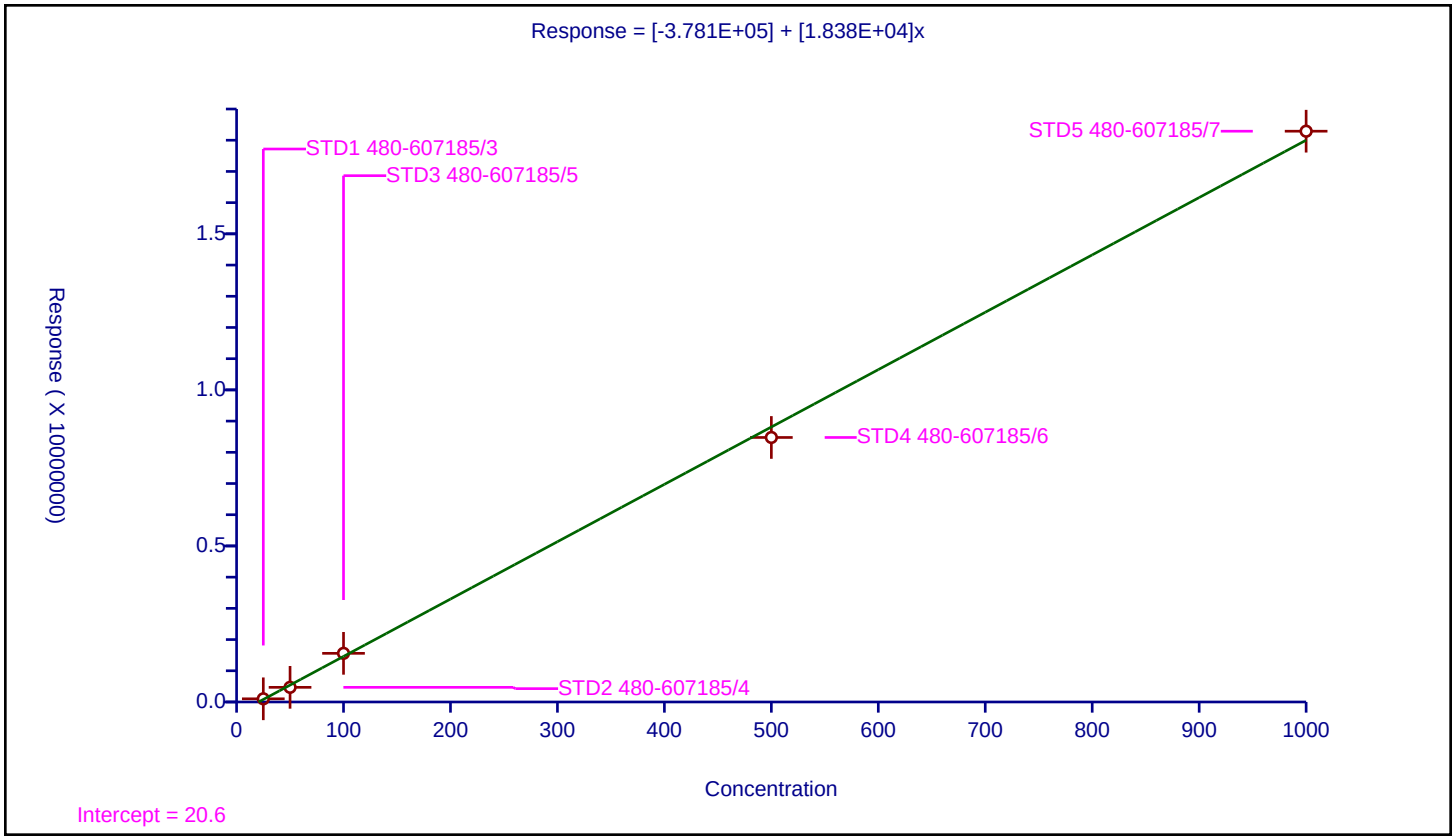
Curve Coefficients

Intercept:	-3.781E+05
Slope:	1.838E+04

Error Coefficients

Standard Error:	265000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD1 480-607185/3	25.0	102047.0			4081.88	Y
2	STD2 480-607185/4	50.0	469327.0			9386.54	Y
3	STD3 480-607185/5	100.0	1558943.0			15589.43	Y
4	STD4 480-607185/6	500.0	8475954.0			16951.908	Y
5	STD5 480-607185/7	1000.0	18288718.0			18288.718	Y



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617059/2 Calibration Date: 03/08/2022 08:35

Instrument ID: HP5890-23 Calib Start Date: 12/01/2021 10:24

GC Column: RTX-VMS ID: 0.53(mm) Calib End Date: 12/01/2021 12:49

Lab File ID: 23_25-055.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
GRO (C6-C10)	Lin1		14499		415	500	-17.0	20.0
a,a,a-Trifluorotoluene	Ave	28435	26412		27.9	30.0	-7.1	54.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617059/2 Calibration Date: 03/08/2022 08:35

Instrument ID: HP5890-23 Calib Start Date: 12/01/2021 10:24

GC Column: RTX-VMS ID: 0.53(mm) Calib End Date: 12/01/2021 12:49

Lab File ID: 23_25-055.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
GRO (C6-C10)	9.38	5.10	13.65
a,a,a-Trifluorotoluene	7.12	7.04	7.18

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-055.D				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	08-Mar-2022 08:35:04	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				

First Level Reviewer: salversonj Date: 08-Mar-2022 09:15:18

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.120	7.107	0.013	792354	30.0	27.9	
A 4 C6-C10							M
2	9.377	(5.100-13.653)		7249486	500.0	415.0	M
A 5 Gasoline							M
2	9.377	(5.100-13.653)		7249486	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

GRO_STK_00143	Amount Added:	10.00	Units: uL
GRO_SURR_150_00132	Amount Added:	20.00	Units: uL

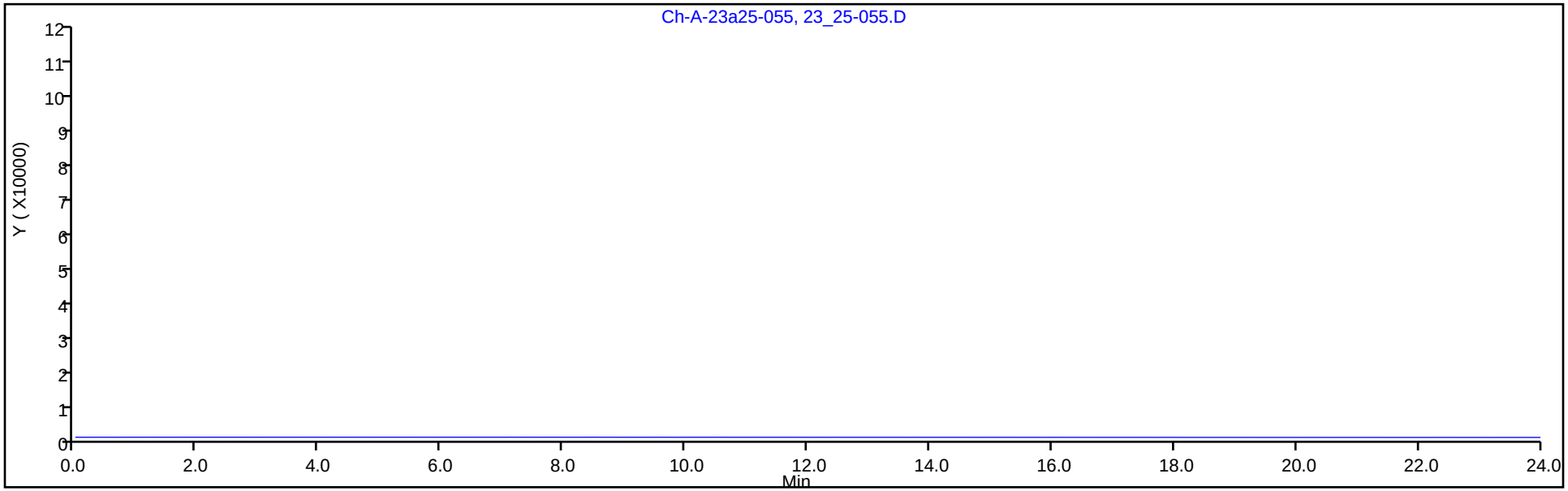
Report Date: 08-Mar-2022 13:51:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

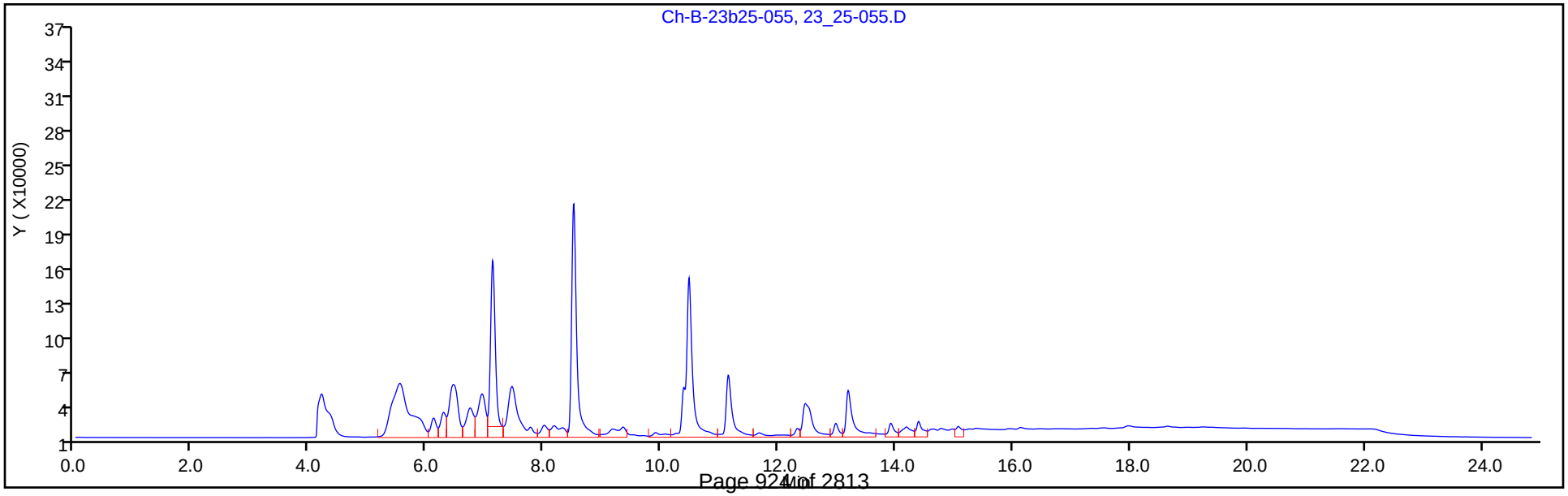
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-055.D

Injection Date:	08-Mar-2022 08:35:04	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

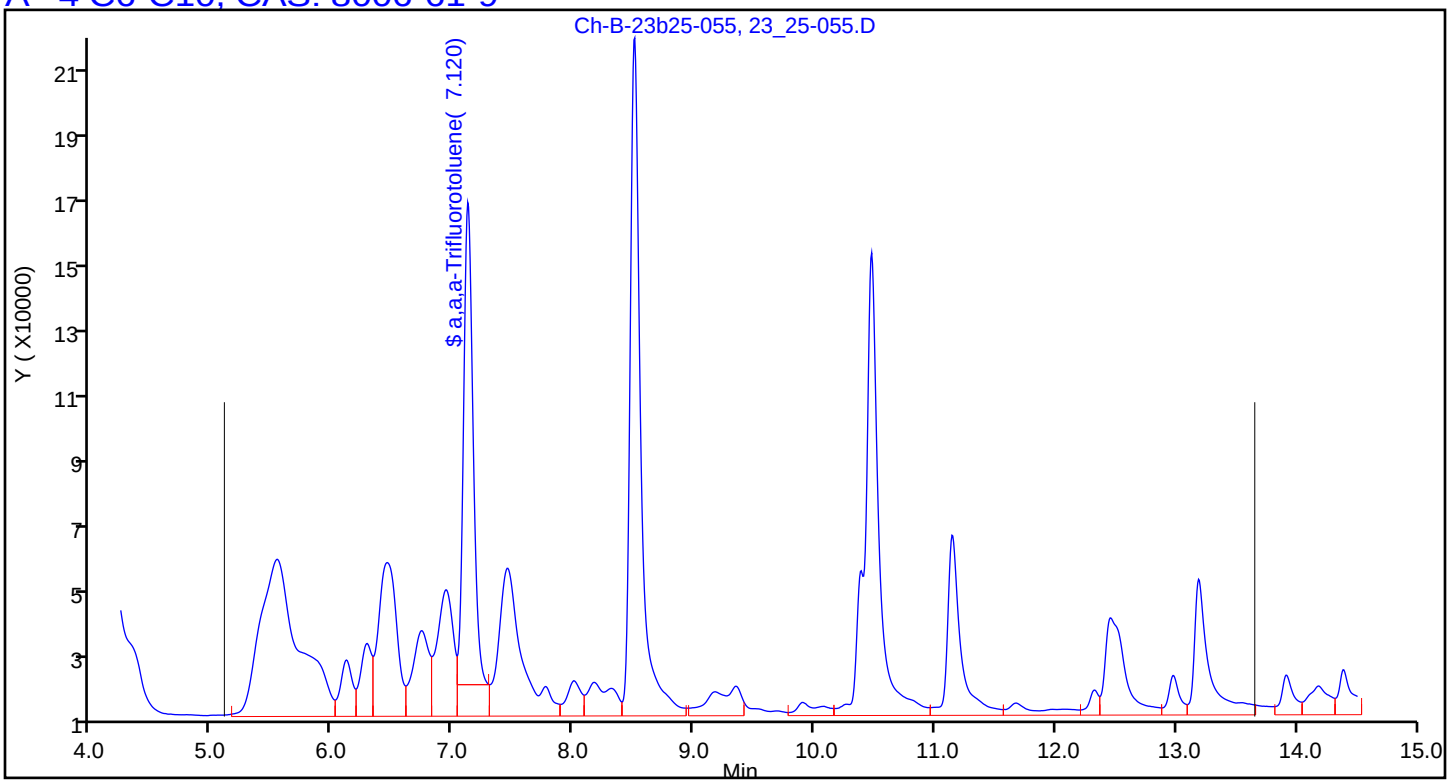


Report Date: 08-Mar-2022 13:51:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-055.D				
Injection Date:	08-Mar-2022 08:35:04	Instrument ID:	HP5890-23		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

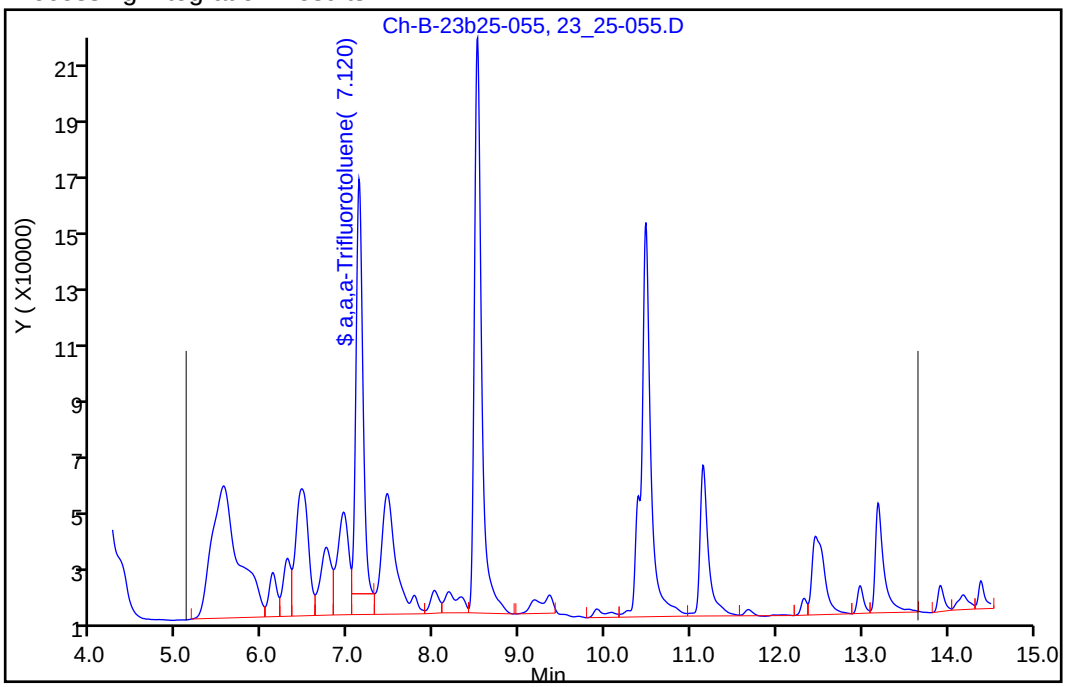
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-055.D				
Injection Date:	08-Mar-2022 08:35:04	Instrument ID:	HP5890-23		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

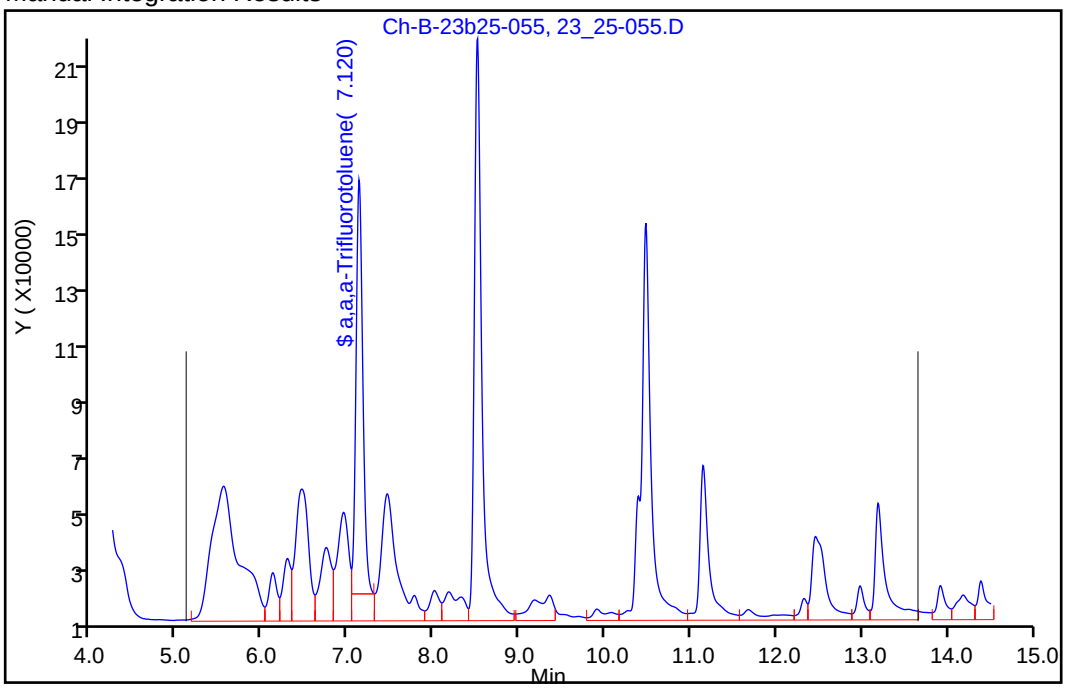
Processing Integration Results

RT: 9.38
Response: 6360110
Amount: 366.6178



Manual Integration Results

RT: 9.38
Response: 7249486
Amount: 415.0081



Reviewer: salversonj, 08-Mar-2022 09:15:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617059/9 Calibration Date: 03/08/2022 13:17

Instrument ID: HP5890-23 Calib Start Date: 12/01/2021 10:24

GC Column: RTX-VMS ID: 0.53(mm) Calib End Date: 12/01/2021 12:49

Lab File ID: 23_25-062.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
GRO (C6-C10)	Lin1		14329		410	500	-17.9	20.0
a,a,a-Trifluorotoluene	Ave	28435	25403		26.8	30.0	-10.7	54.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617059/9 Calibration Date: 03/08/2022 13:17

Instrument ID: HP5890-23 Calib Start Date: 12/01/2021 10:24

GC Column: RTX-VMS ID: 0.53(mm) Calib End Date: 12/01/2021 12:49

Lab File ID: 23_25-062.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
GRO (C6-C10)	9.38	5.10	13.65
a,a,a-Trifluorotoluene	7.11	7.04	7.18

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-062.D				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	08-Mar-2022 13:17:23	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Sublist:	chrom-GC-8015 GRO*sub2				
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:18	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				

First Level Reviewer: salversonj Date: 08-Mar-2022 13:51:06

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.107	7.107	0.000	762100	30.0	26.8	
A 4 C6-C10							M
2	9.377	(5.100-13.653)		7164414	500.0	410.4	M
A 5 Gasoline							M
2	9.377	(5.100-13.653)		7164414	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

GRO_SURR_150_00132	Amount Added:	20.00	Units: uL
GRO_STK_00143	Amount Added:	10.00	Units: uL

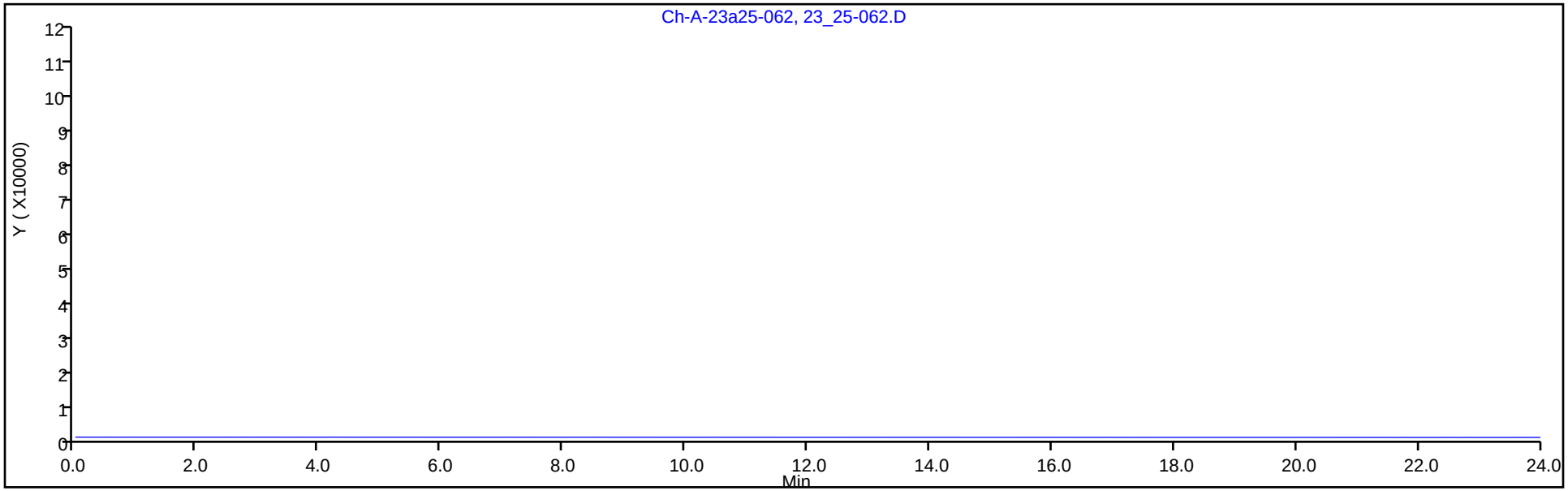
Report Date: 08-Mar-2022 13:51:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

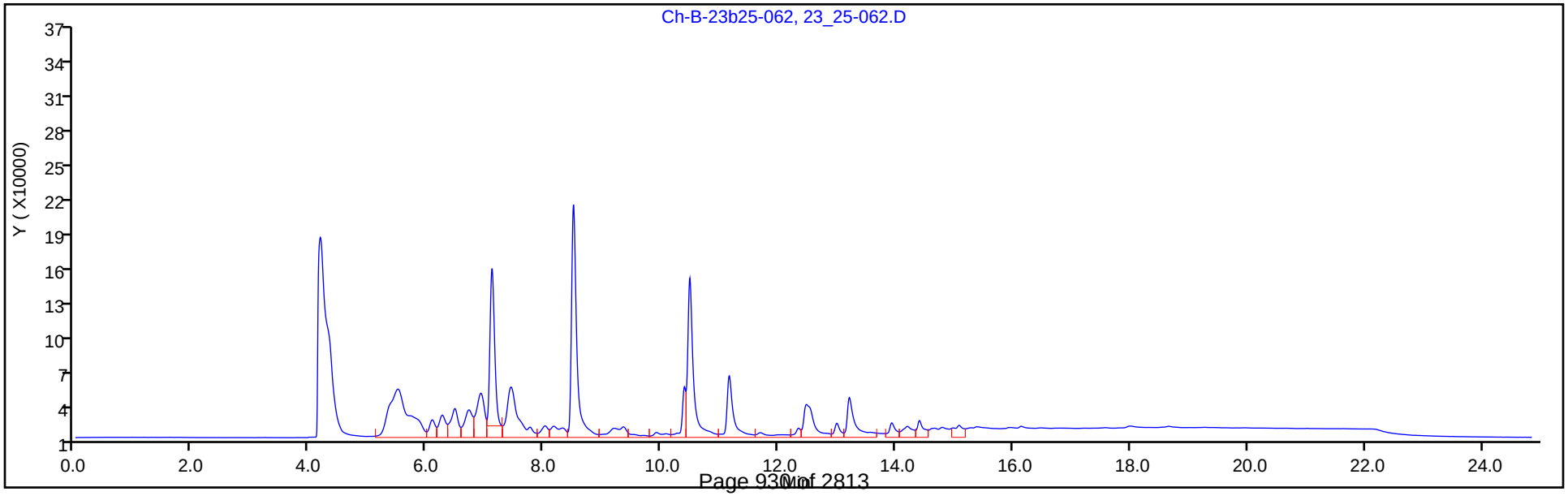
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-062.D

Injection Date:	08-Mar-2022 13:17:23	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

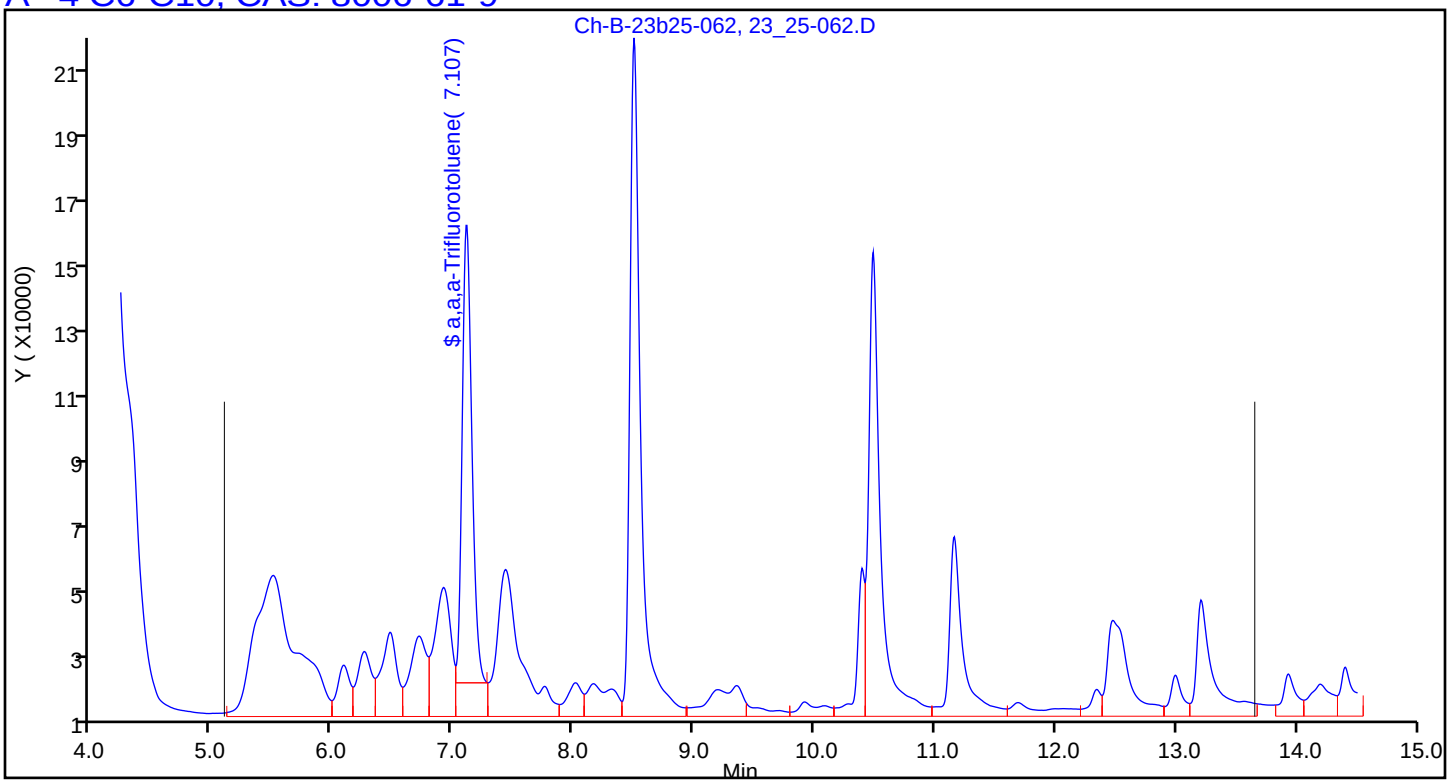


Report Date: 08-Mar-2022 13:51:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-062.D				
Injection Date:	08-Mar-2022 13:17:23	Instrument ID:	HP5890-23		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

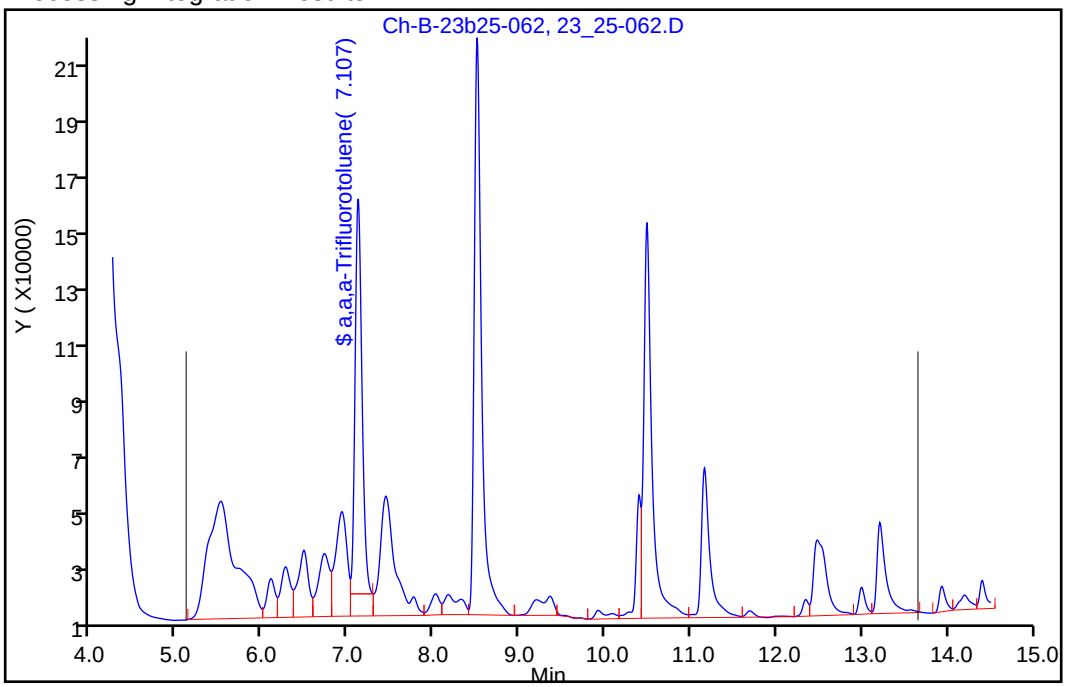
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-062.D				
Injection Date:	08-Mar-2022 13:17:23	Instrument ID:	HP5890-23		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

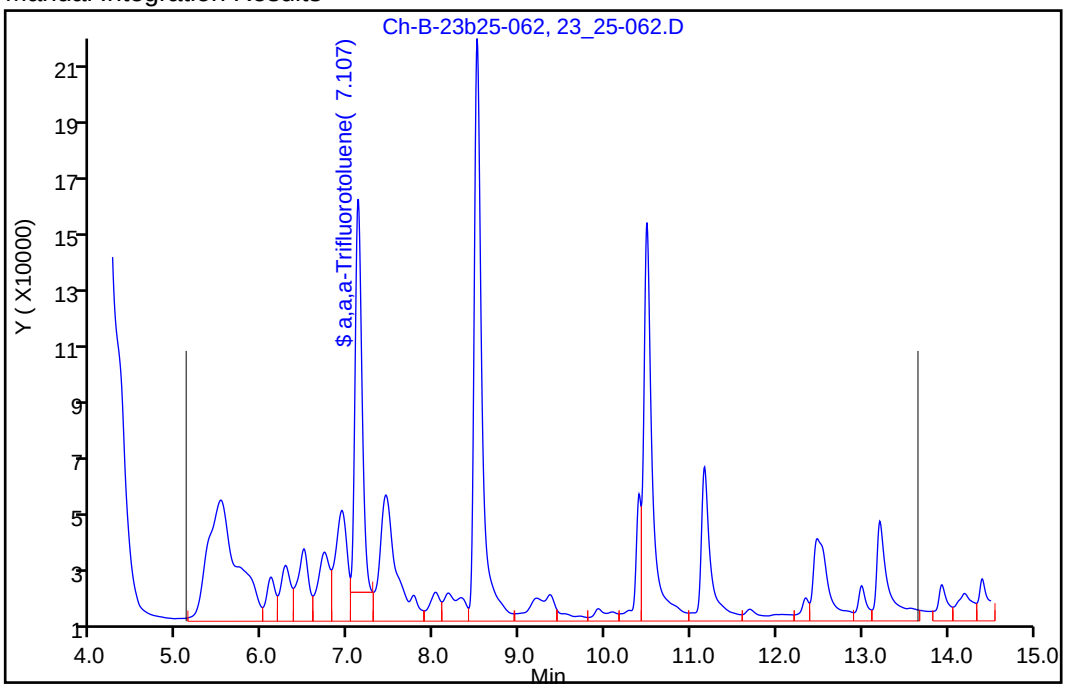
Processing Integration Results

RT: 9.38
Response: 6048961
Amount: 349.6885



Manual Integration Results

RT: 9.38
Response: 7164414
Amount: 410.3794



Reviewer: salversonj, 08-Mar-2022 13:50:48
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617051/1-A
Matrix: Solid
Lab File ID: 23_25-056.D
Analysis Method: 8015D
Date Collected:
Sample wt/vol: 5.01(g)
Date Analyzed: 03/08/2022 09:12
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS ID: 0.53(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	ND		1.2	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	96		46-156

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-056.D
Lims ID: MB 480-617051/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Mar-2022 09:12:15 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP5890-23

Method: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m
Limit Group: GC - 8015D GRO ICAL
Last Update: 08-Mar-2022 13:51:13 Calib Date: 01-Dec-2021 12:49:07
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D

Column 1 : RTX-VMS (0.53 mm) Det: Ch-A-8a66002
Column 2 : RTX-VMS (0.53 mm) Det: Ch-B-8b66002
Process Host: CTX1675

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							
2	7.140	7.107	0.033	816832	30.0	28.7	
A 4 C6-C10							
2		(5.100-13.653)				ND	
A 5 Gasoline							
2		(5.100-13.653)				ND	
A 6 Kerosene							
2		(15.000-20.000)				ND	

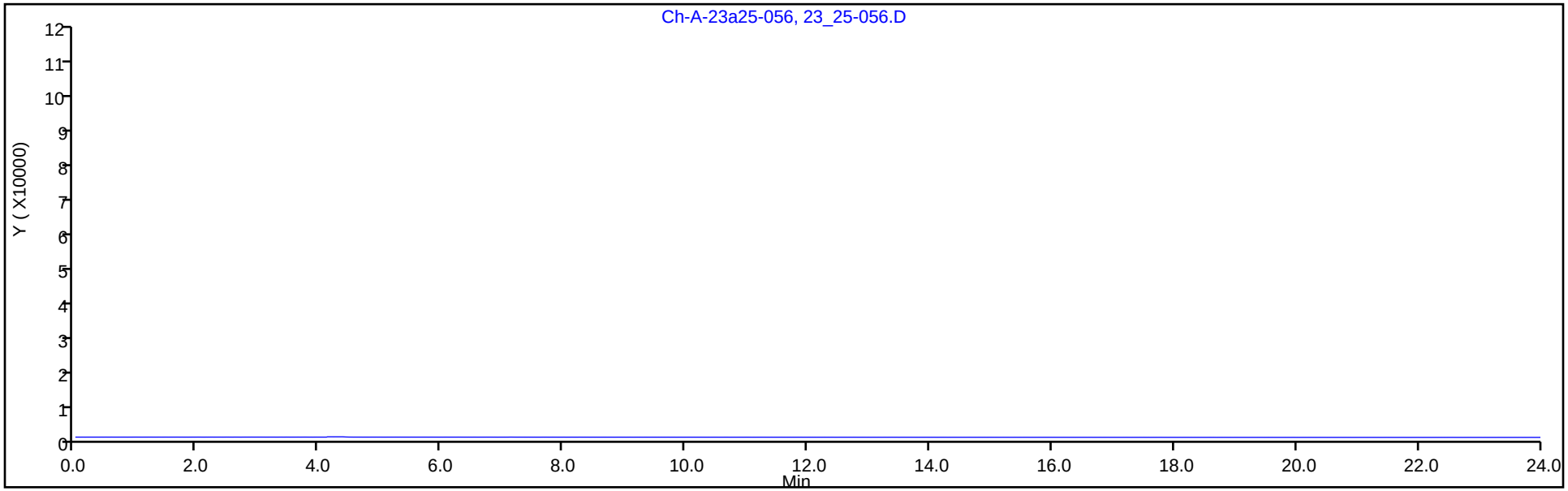
Report Date: 08-Mar-2022 13:51:15 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

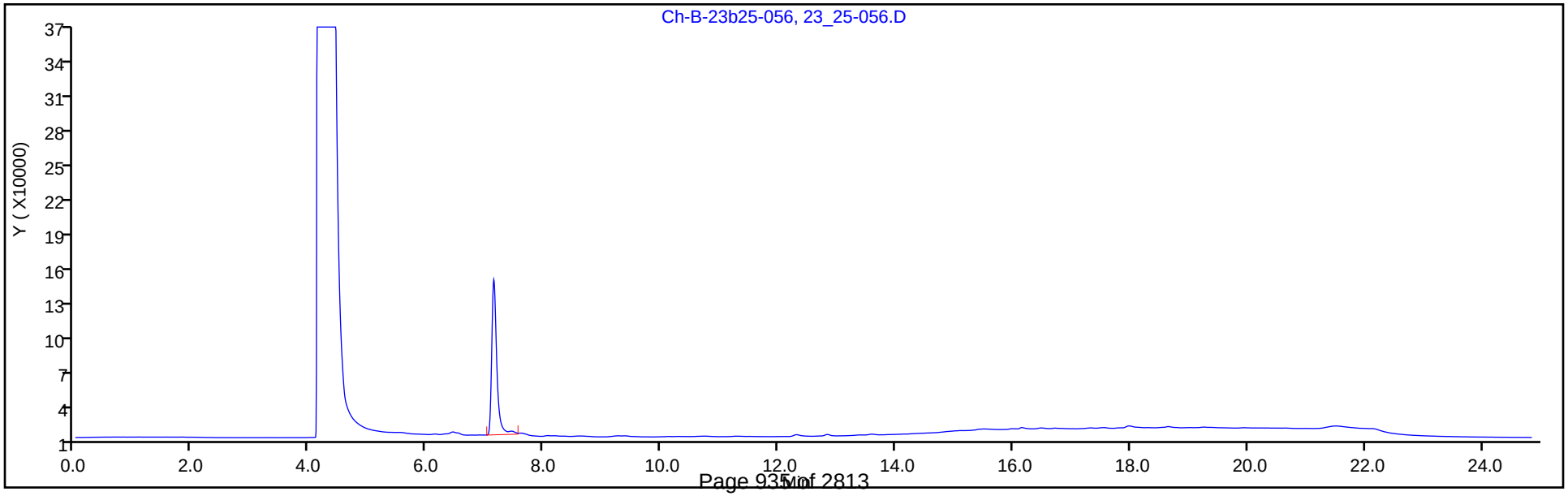
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-056.D

Injection Date:	08-Mar-2022 09:12:15	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	MB 480-617051/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-056.D				
Lims ID:	MB 480-617051/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	08-Mar-2022 09:12:15	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	28.7	95.75

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617051/2-A
Matrix: Solid
Lab File ID: 23_25-057.D
Analysis Method: 8015D
Date Collected:
Sample wt/vol: 5.23(g)
Date Analyzed: 03/08/2022 09:48
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS ID: 0.53(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	8.58		1.2	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	90		46-156

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D				
Lims ID:	LCS 480-617051/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	08-Mar-2022 09:48:29	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 10:22:20		

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 3 a,a,a-Trifluorotoluene							M
2	7.107	7.107	0.000	763614	30.0	26.9	M
A 4 C6-C10							M
2	9.377	(5.100-13.653)		2922007	200.0	179.6	M
A 5 Gasoline							M
2	9.377	(5.100-13.653)		2922007	NC	NC	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

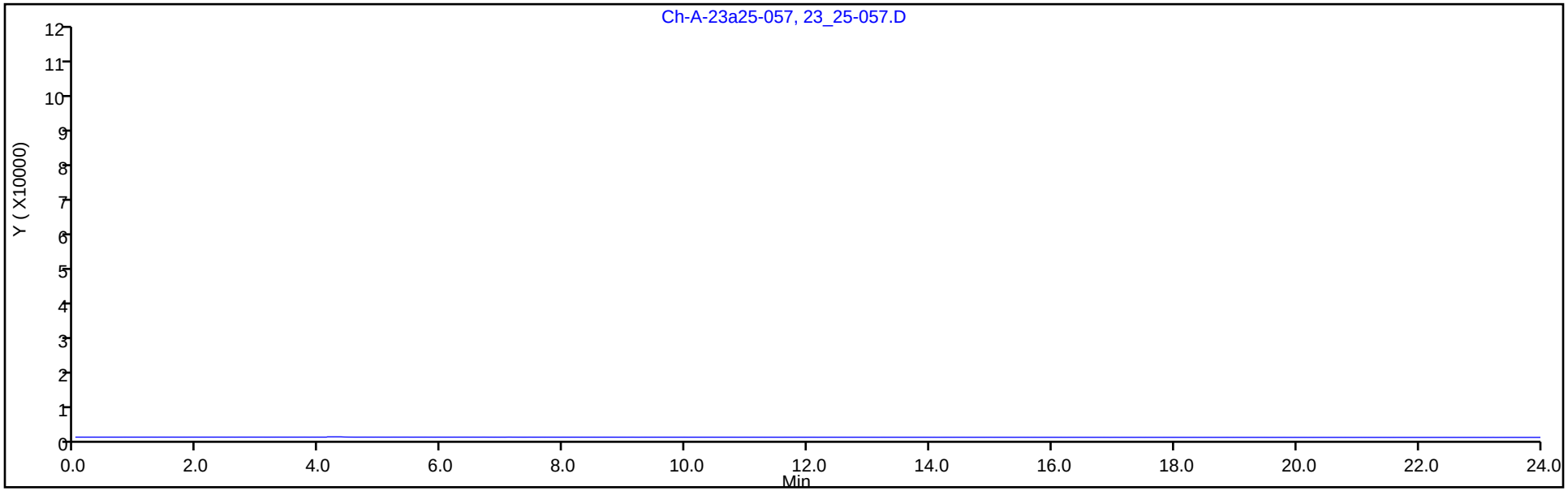
Report Date: 08-Mar-2022 13:51:15 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

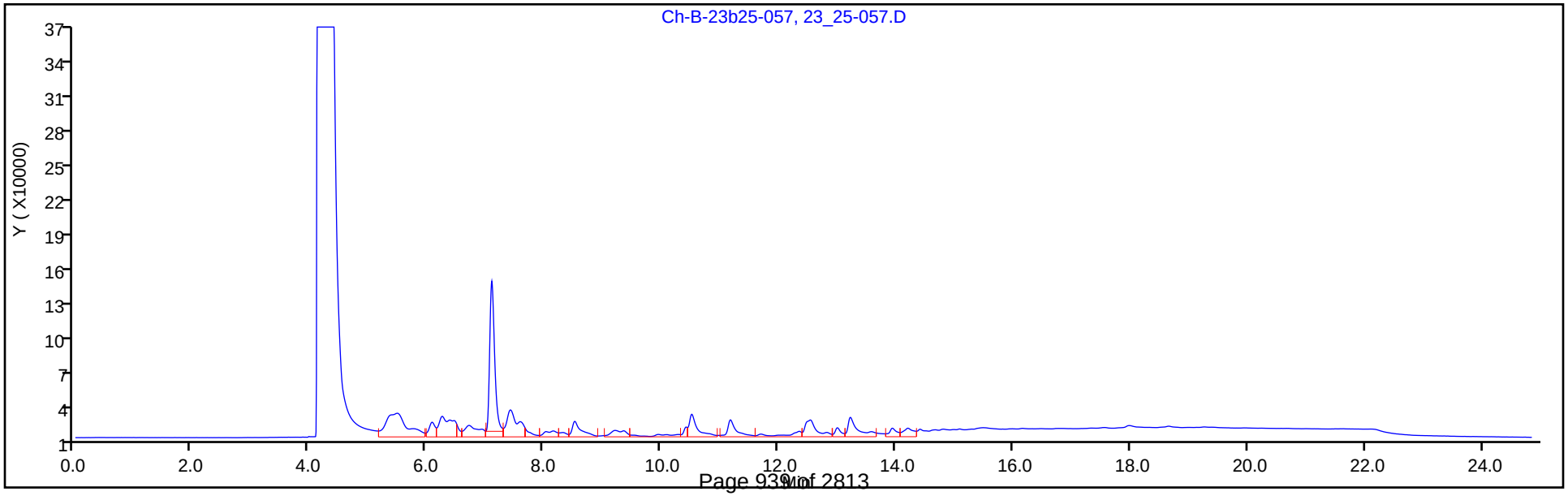
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D

Injection Date:	08-Mar-2022 09:48:29	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	LCS 480-617051/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D				
Lims ID:	LCS 480-617051/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	08-Mar-2022 09:48:29	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 10:22:20		

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

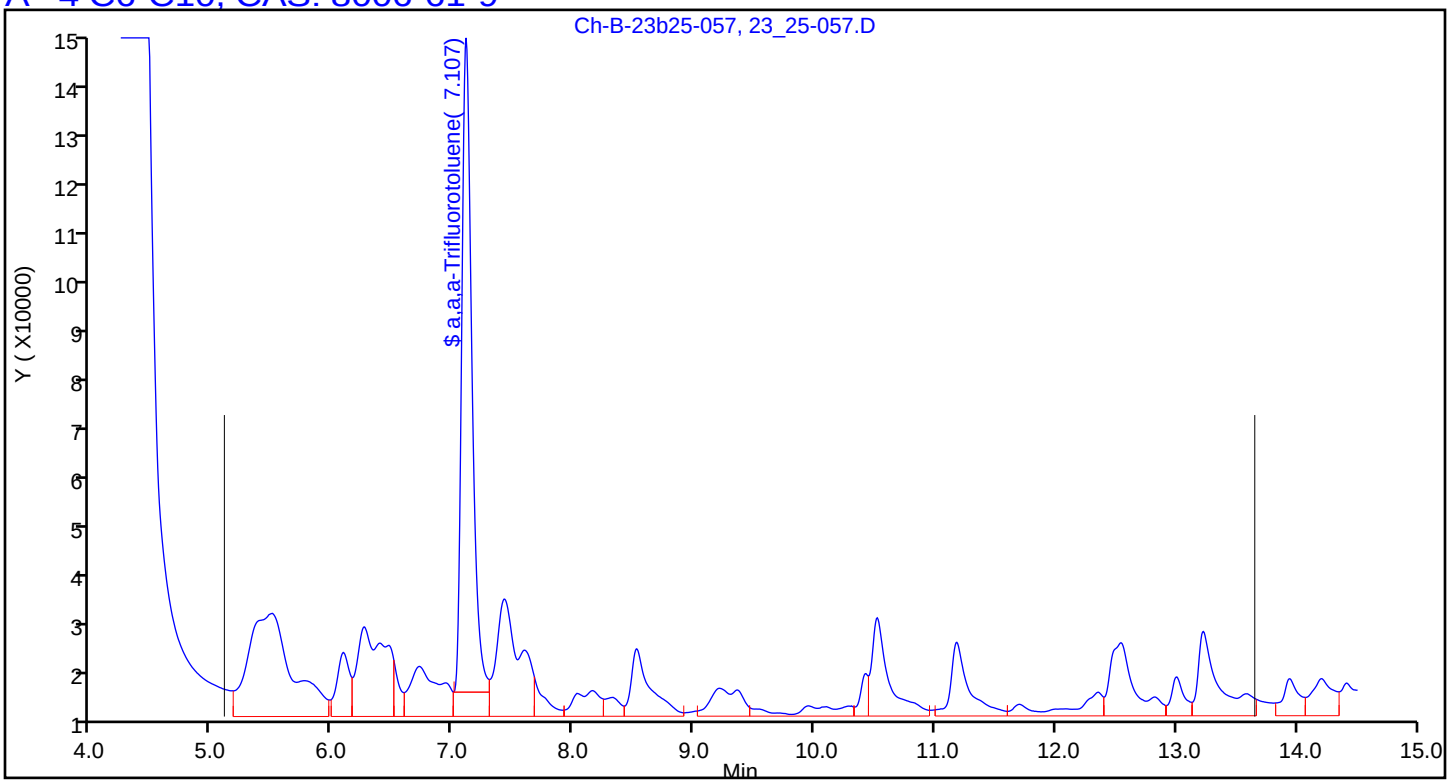
Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	26.9	89.52

Report Date: 08-Mar-2022 13:51:15 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D				
Injection Date:	08-Mar-2022 09:48:29	Instrument ID:	HP5890-23		
Lims ID:	LCS 480-617051/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

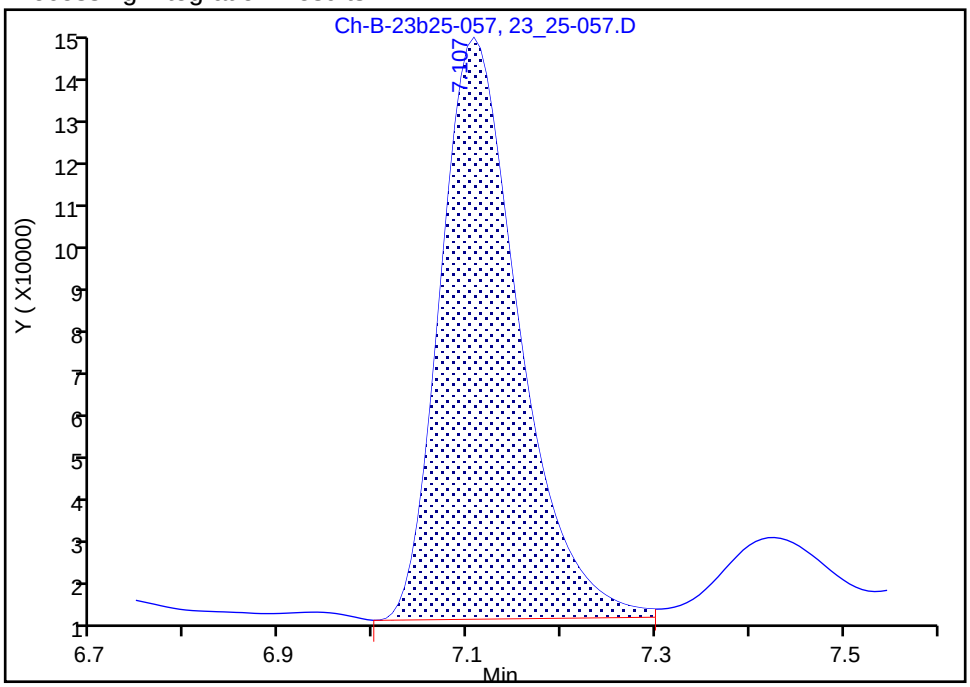
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D				
Injection Date:	08-Mar-2022 09:48:29	Instrument ID:	HP5890-23		
Lims ID:	LCS 480-617051/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

$ 3 a,a,a-Trifluorotoluene, CAS: 98-08-8

Signal: 1

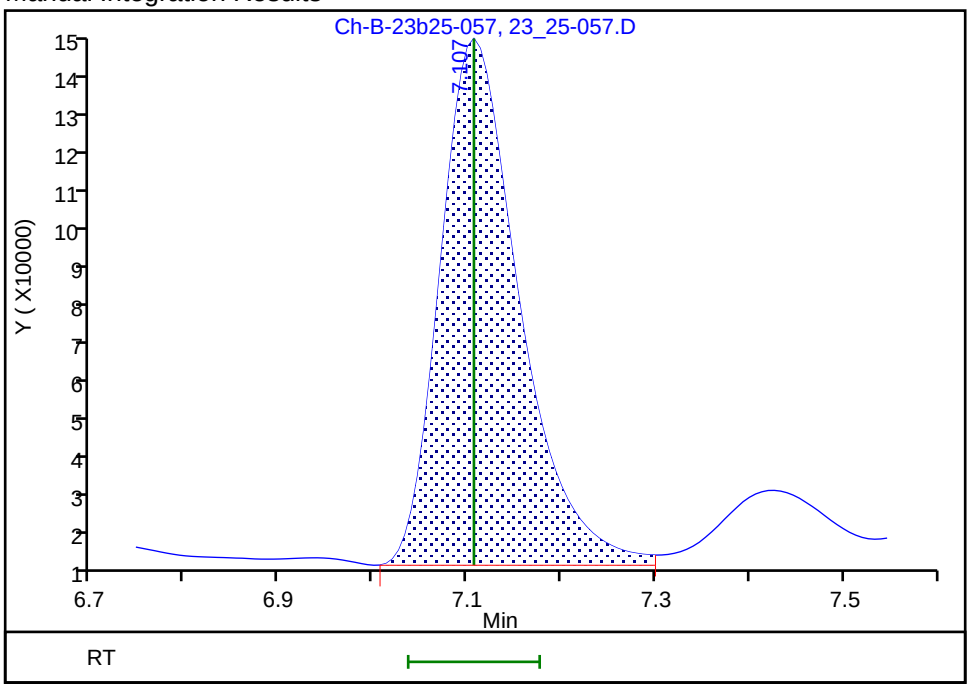
Processing Integration Results

RT: 7.11
Area: 757287
Amount: 26.632197
Amount Units: ug/L



Manual Integration Results

RT: 7.11
Area: 763614
Amount: 26.854704
Amount Units: ug/L



Reviewer: salversonj, 08-Mar-2022 10:15:48
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Buffalo

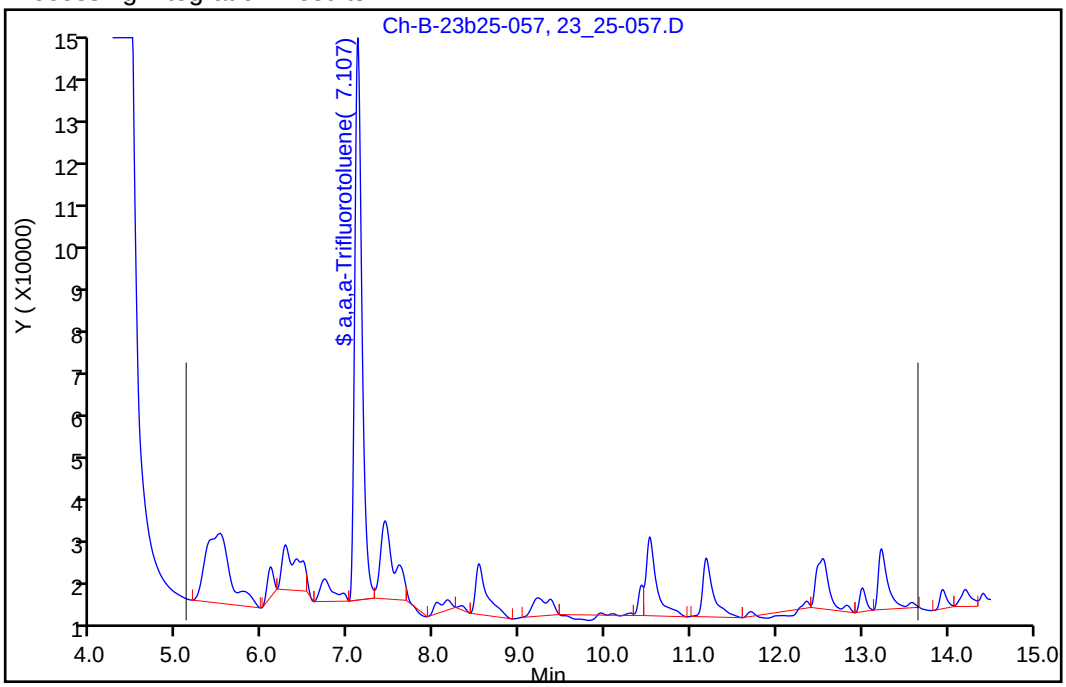
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-057.D				
Injection Date:	08-Mar-2022 09:48:29	Instrument ID:	HP5890-23		
Lims ID:	LCS 480-617051/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

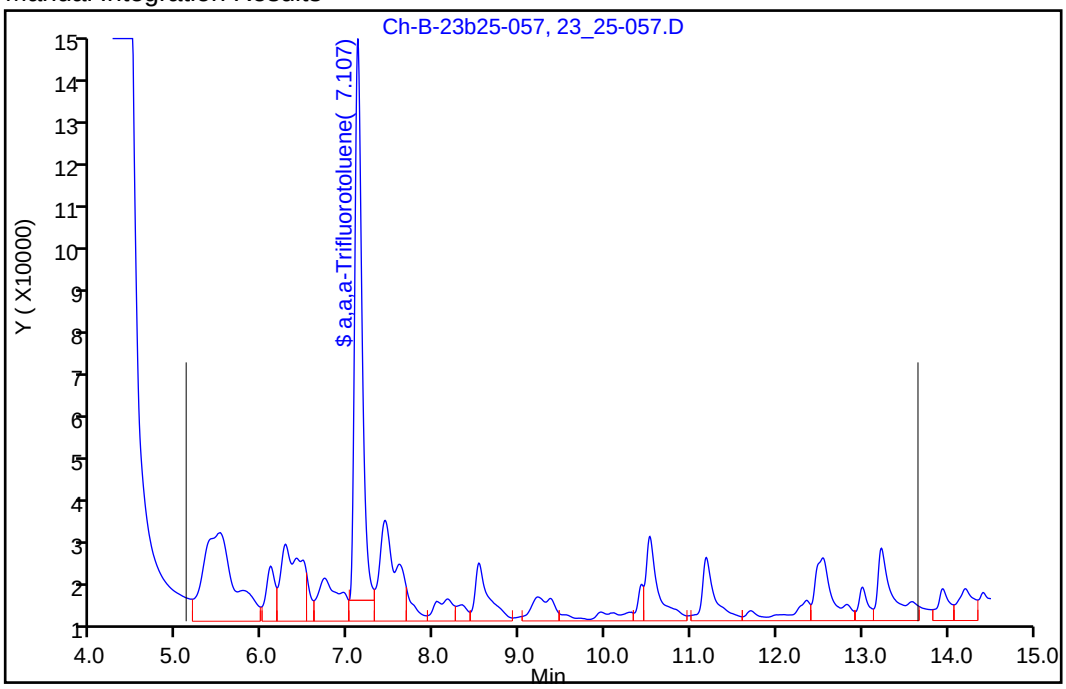
Processing Integration Results

RT: 9.38
Response: 1549318
Amount: 104.8666



Manual Integration Results

RT: 9.38
Response: 2922007
Amount: 179.5535



Reviewer: salversonj, 08-Mar-2022 10:15:48
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1 MS
Lab Sample ID: 480-195466-9 MS
Matrix: Solid
Lab File ID: 23_25-060.D
Analysis Method: 8015D
Date Collected: 03/02/2022 14:15
Sample wt/vol: 5.41(g)
Date Analyzed: 03/08/2022 11:51
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS ID: 0.53(mm)
% Moisture: 15.4
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	9.12		1.4	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	60		46-156

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Lims ID:	480-195466-E-9-A MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	08-Mar-2022 11:51:28	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 13:01:11		

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
2 2-Methylpentane							
2		5.413				ND	
$ 3 a,a,a-Trifluorotoluene							M
2	7.113	7.107	0.006	513218	30.0	18.0	M
A 4 C6-C10							M
2	9.377	(5.100-13.653)		2681595	200.0	166.5	M
A 5 Gasoline							M
2	9.377	(5.100-13.653)		2681595	NC	NC	M
1 1,2,4-Trimethylbenzene							
2		13.147				ND	
A 6 Kerosene							M
2		(15.000-20.000)				ND	

QC Flag Legend

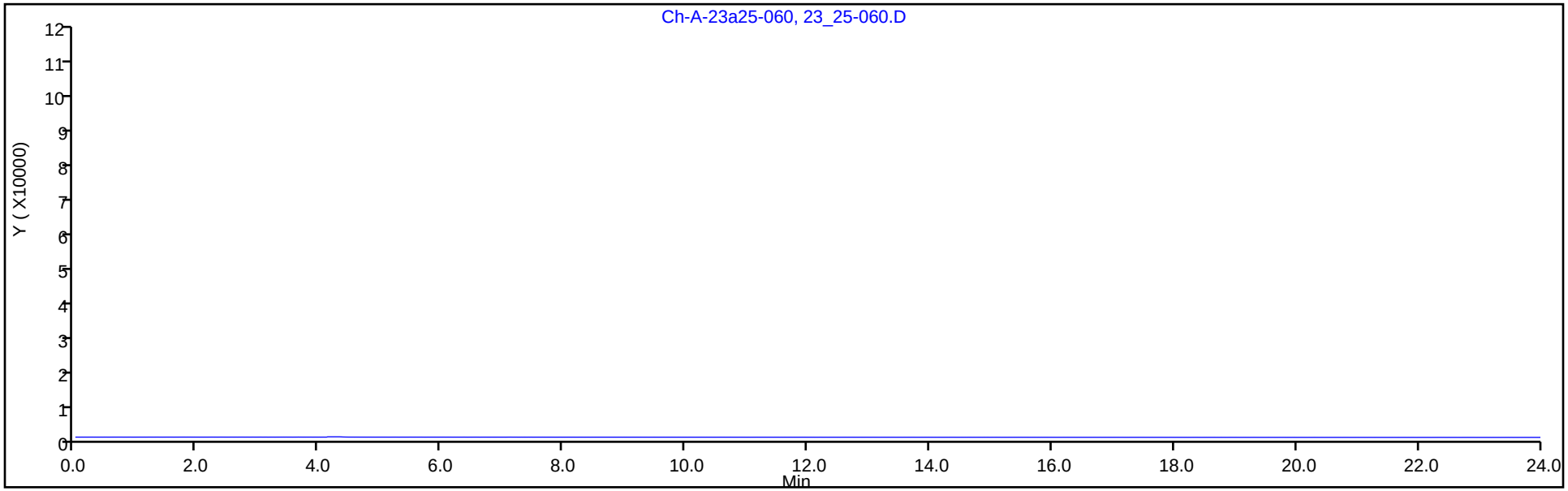
Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2022 13:51:17 Chrom Revision: 2.3 16-Feb-2022 17:52:00

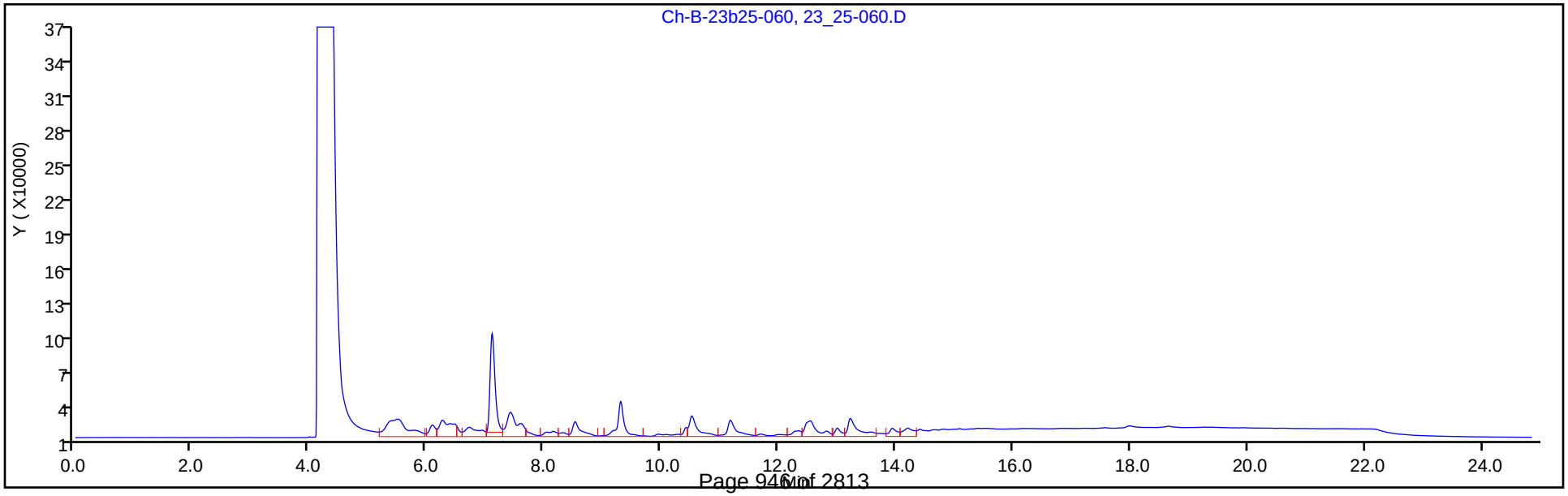
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Injection Date:	08-Mar-2022 11:51:28	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-9-A MS			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Lims ID:	480-195466-E-9-A MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	08-Mar-2022 11:51:28	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 13:01:11		

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

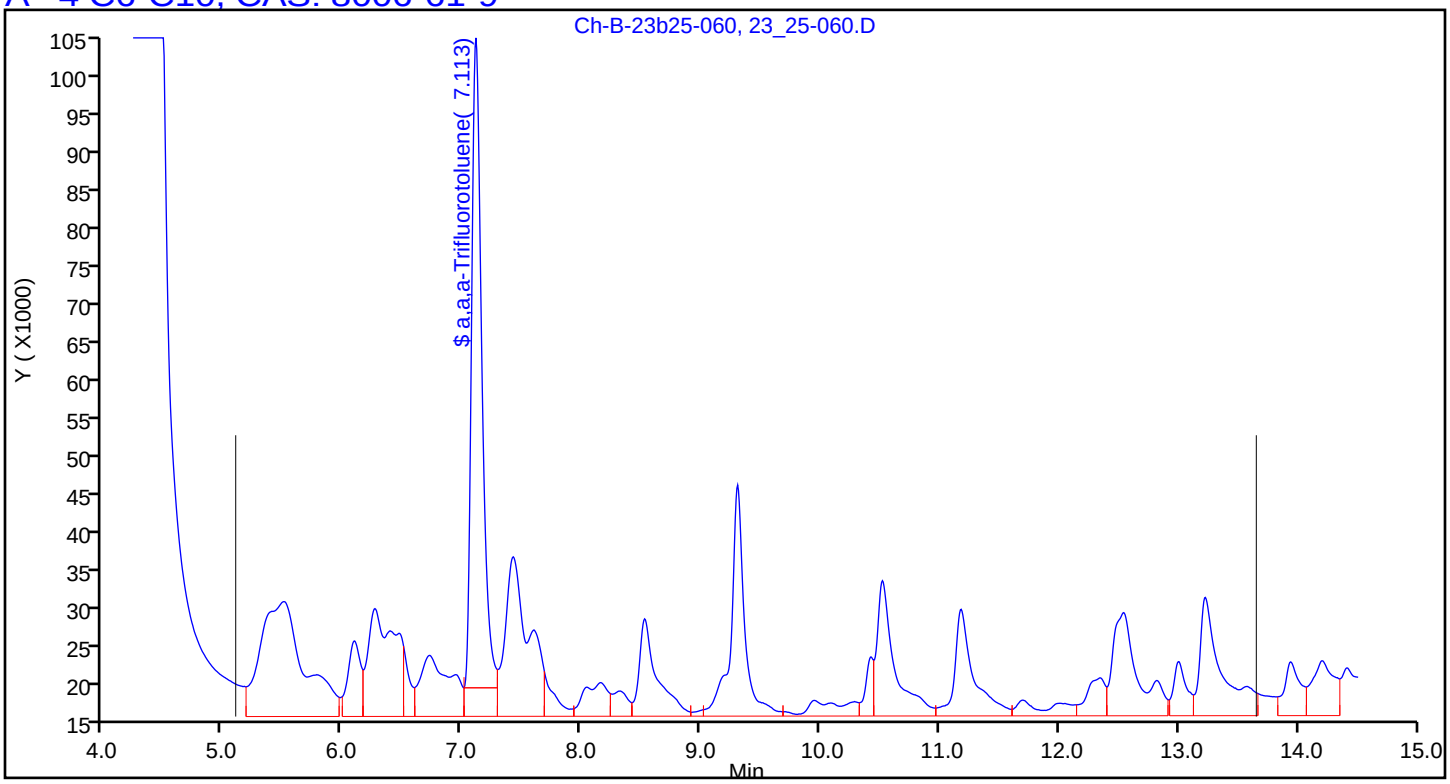
Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	18.0	60.16

Report Date: 08-Mar-2022 13:51:17 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Injection Date:	08-Mar-2022 11:51:28	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

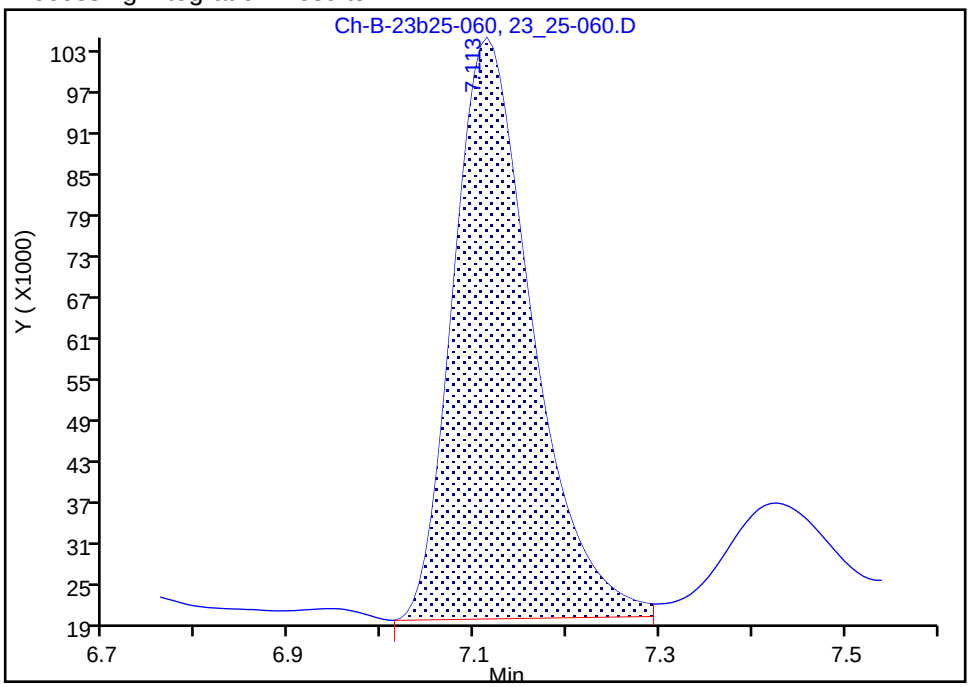
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Injection Date:	08-Mar-2022 11:51:28	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

$ 3 a,a,a-Trifluorotoluene, CAS: 98-08-8

Signal: 1

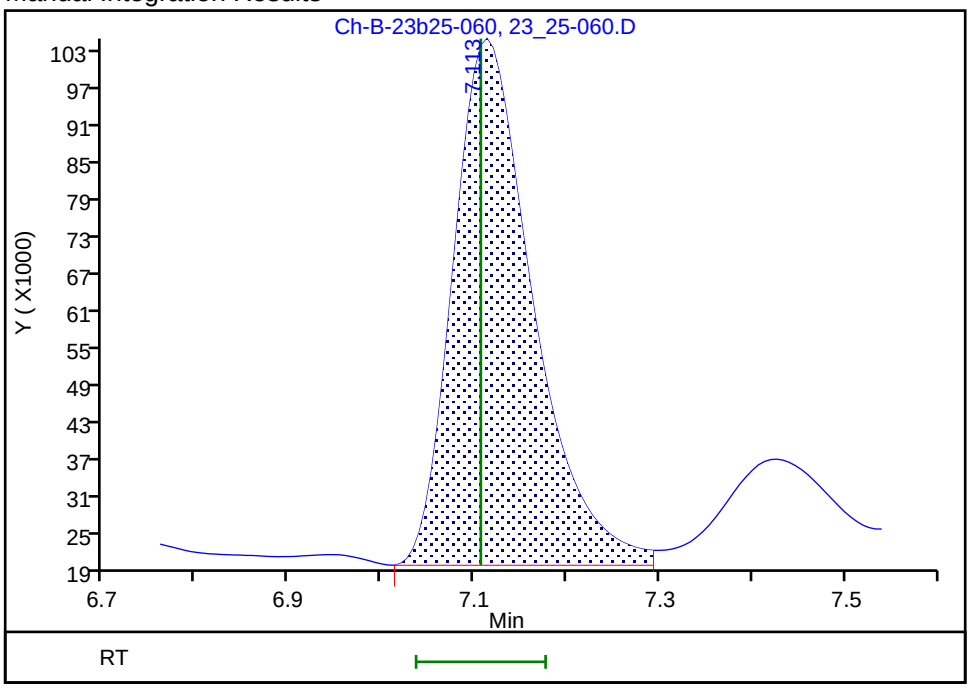
Processing Integration Results

RT: 7.11
Area: 508396
Amount: 17.879222
Amount Units: ug/L



Manual Integration Results

RT: 7.11
Area: 513218
Amount: 18.048802
Amount Units: ug/L



Reviewer: salversonj, 08-Mar-2022 12:31:29
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Buffalo

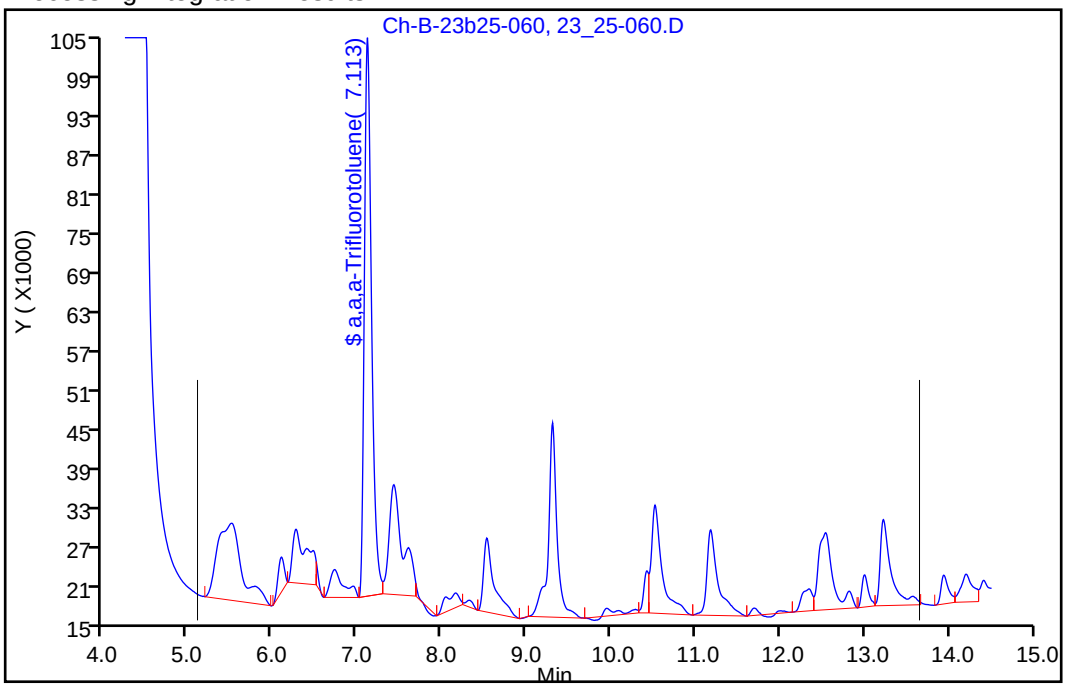
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-060.D				
Injection Date:	08-Mar-2022 11:51:28	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

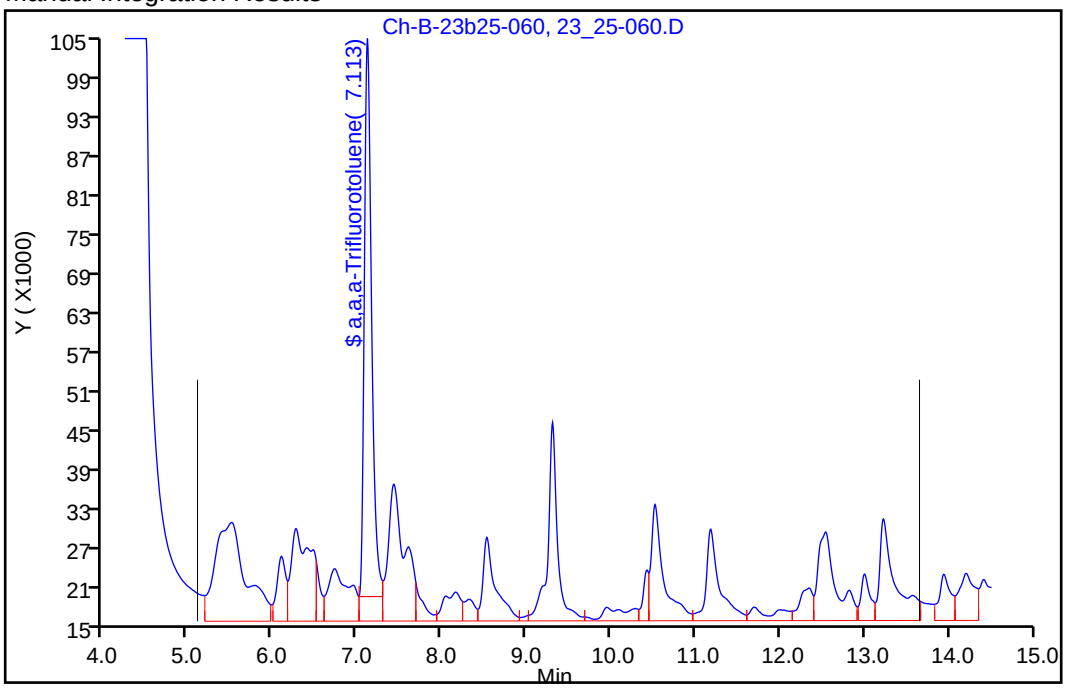
Processing Integration Results

RT: 9.38
Response: 1582410
Amount: 106.6671



Manual Integration Results

RT: 9.38
Response: 2681595
Amount: 166.4729



Reviewer: salversonj, 08-Mar-2022 12:31:29
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1 MSD
Lab Sample ID: 480-195466-9 MSD
Matrix: Solid
Lab File ID: 23_25-061.D
Analysis Method: 8015D
Date Collected: 03/02/2022 14:15
Sample wt/vol: 5.34(g)
Date Analyzed: 03/08/2022 12:27
Soil Aliquot Vol: 44 (mL)
Dilution Factor: 1
Soil Extract Vol.: 250(mL)
GC Column: RTX-VMS ID: 0.53(mm)
% Moisture: 15.4
Level: (low/med) Medium
Analysis Batch No.: 617059
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	GRO (C6-C10)	9.85		1.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	67		46-156

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D				
Lims ID:	480-195466-E-9-B MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	08-Mar-2022 12:27:41	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 13:01:45		

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
2 2-Methylpentane							
2		5.413				ND	
$ 3 a,a,a-Trifluorotoluene							M
2	7.113	7.107	0.006	571228	30.0	20.1	M
A 4 C6-C10							M
2	9.377	(5.100-13.653)		2881424	200.0	177.3	M
A 5 Gasoline							M
2	9.377	(5.100-13.653)		2881424	NC	NC	M
1 1,2,4-Trimethylbenzene							
2		13.147				ND	
A 6 Kerosene							
2		(15.000-20.000)				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

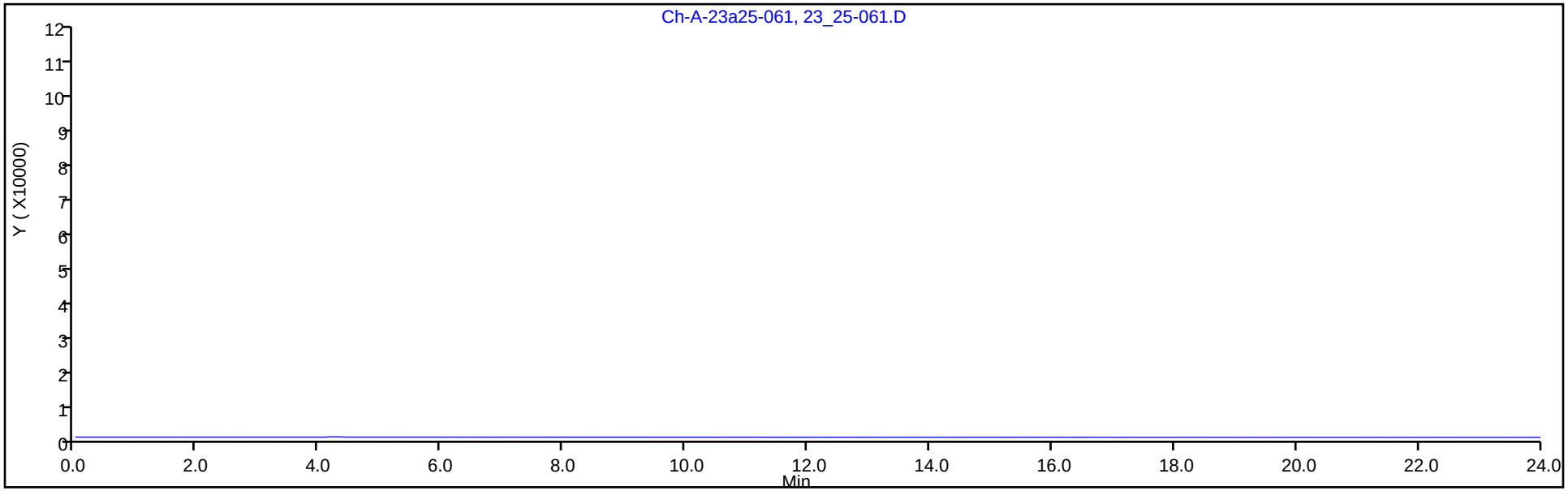
Report Date: 08-Mar-2022 13:51:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

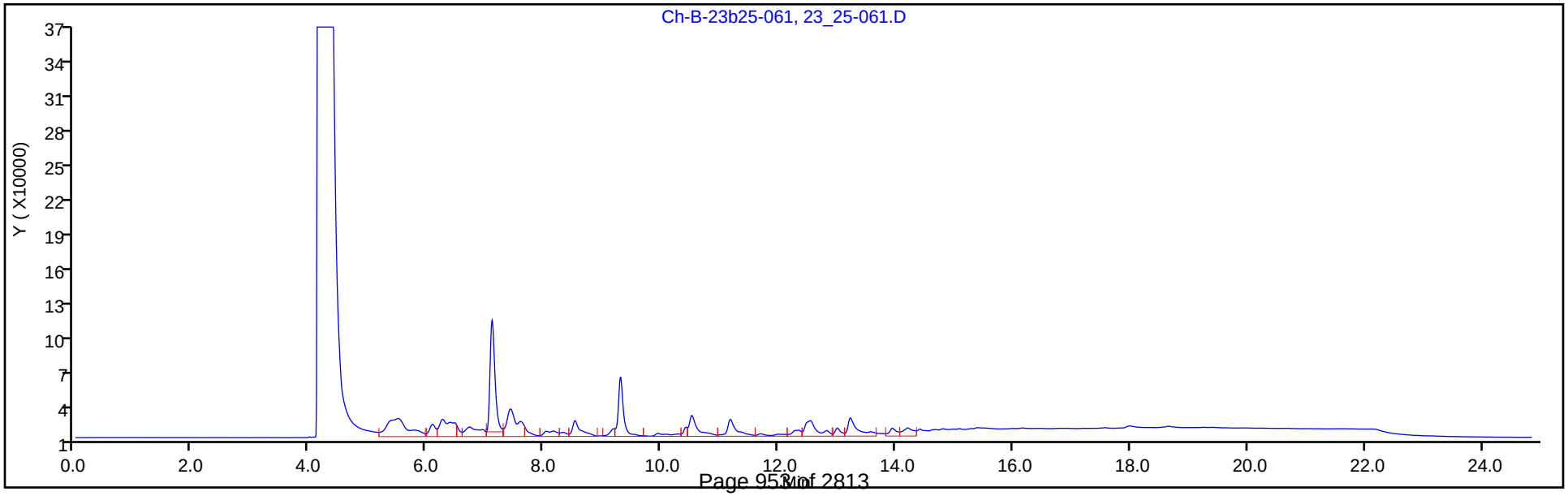
Data File: \\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D

Injection Date:	08-Mar-2022 12:27:41	Instrument ID:	HP5890-23	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-9-B MSD			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		

Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-VMS (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D				
Lims ID:	480-195466-E-9-B MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	08-Mar-2022 12:27:41	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP5890-23		
Method:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\GC-8015 GRO.m				
Limit Group:	GC - 8015D GRO ICAL				
Last Update:	08-Mar-2022 13:51:13	Calib Date:	01-Dec-2021 12:49:07		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-23\20211201-102810.b\23_23-173.D				
Column 1 :	RTX-VMS (0.53 mm)		Det: Ch-A-8a66002		
Column 2 :	RTX-VMS (0.53 mm)		Det: Ch-B-8b66002		
Process Host:	CTX1675				
First Level Reviewer: salversonj		Date:	08-Mar-2022 13:01:45		

Surrogate Recovery, Detector: Ch-A-8a66002

Compound	Amount Added	Amount Recovered	% Rec.

Surrogate Recovery, Detector: Ch-B-8b66002

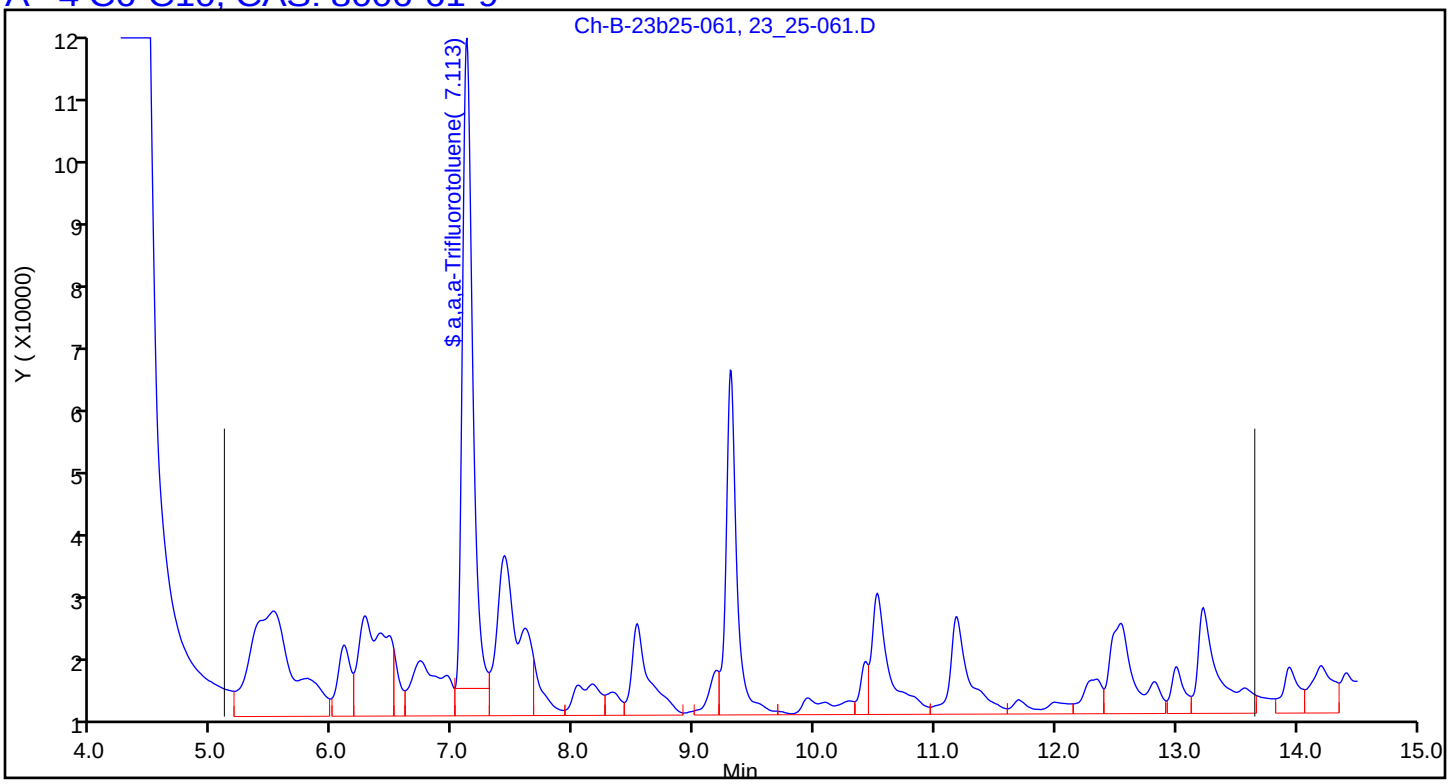
Compound	Amount Added	Amount Recovered	% Rec.
$ 3 a,a,a-Trifluorotoluene	30.0	20.1	66.96

Report Date: 08-Mar-2022 13:51:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D				
Injection Date:	08-Mar-2022 12:27:41	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, CAS: 8006-61-9



Manual Integration/User Assign Peak Report

Eurofins Buffalo

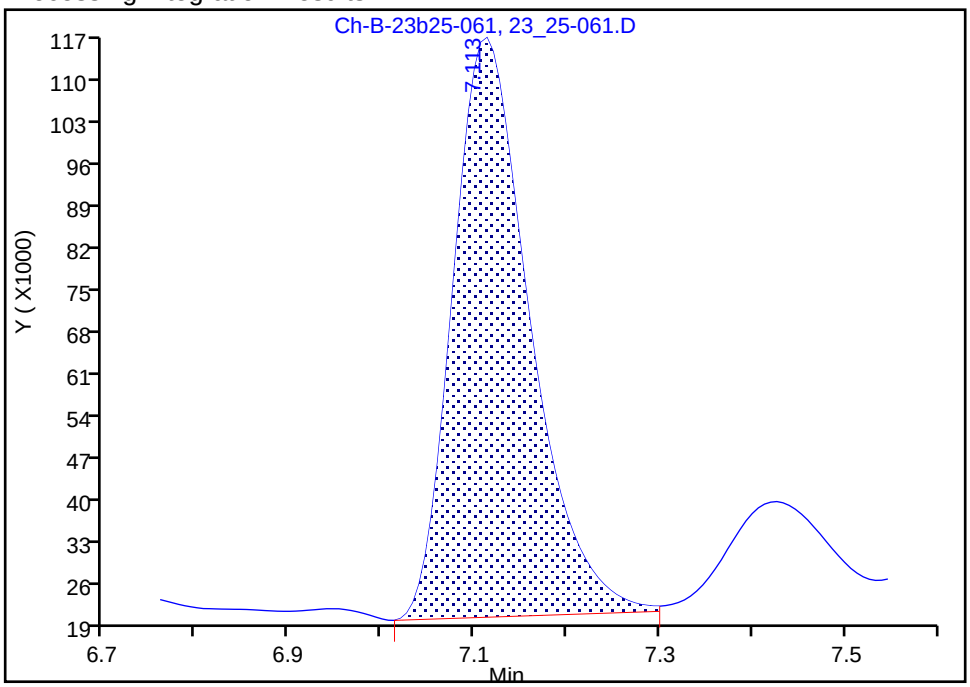
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D				
Injection Date:	08-Mar-2022 12:27:41	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

$ 3 a,a,a-Trifluorotoluene, CAS: 98-08-8

Signal: 1

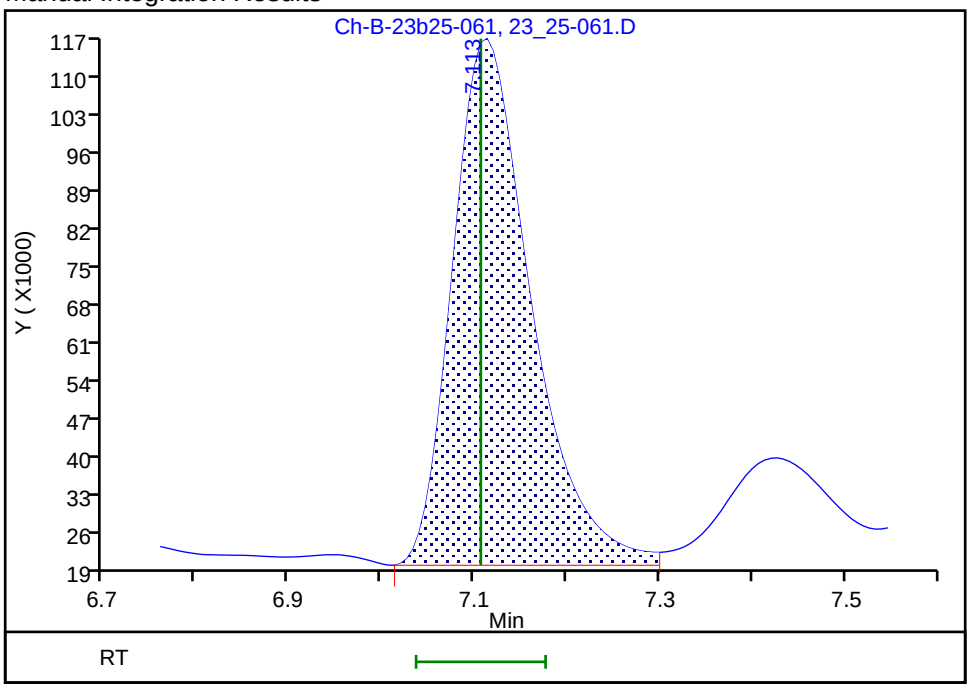
Processing Integration Results

RT: 7.11
Area: 558345
Amount: 19.635824
Amount Units: ug/L



Manual Integration Results

RT: 7.11
Area: 571228
Amount: 20.088892
Amount Units: ug/L



Reviewer: salversonj, 08-Mar-2022 13:01:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Buffalo

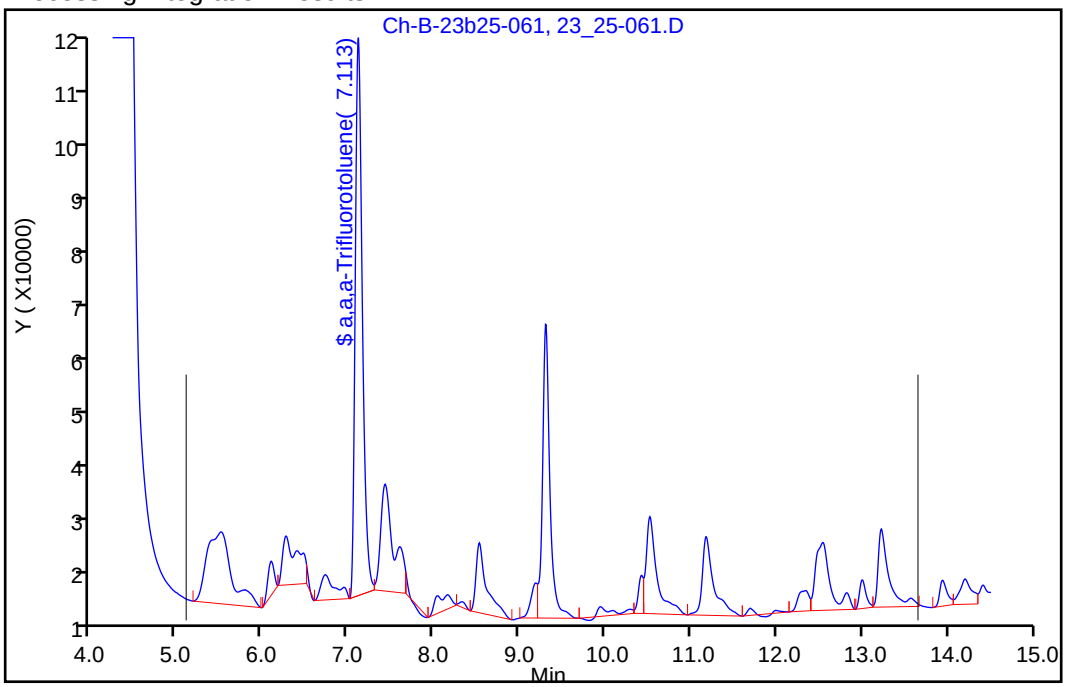
Data File:	\\chromfs\Buffalo\ChromData\HP5890-23\20220308-104251.b\23_25-061.D				
Injection Date:	08-Mar-2022 12:27:41	Instrument ID:	HP5890-23		
Lims ID:	480-195466-E-9-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-8015 GRO	Limit Group:	GC - 8015D GRO ICAL		
Column:	RTX-VMS (0.53 mm)	Detector	Ch-B-8b66002		

A 4 C6-C10, RT: 9.377, CAS: 8006-61-9

Signal: 1

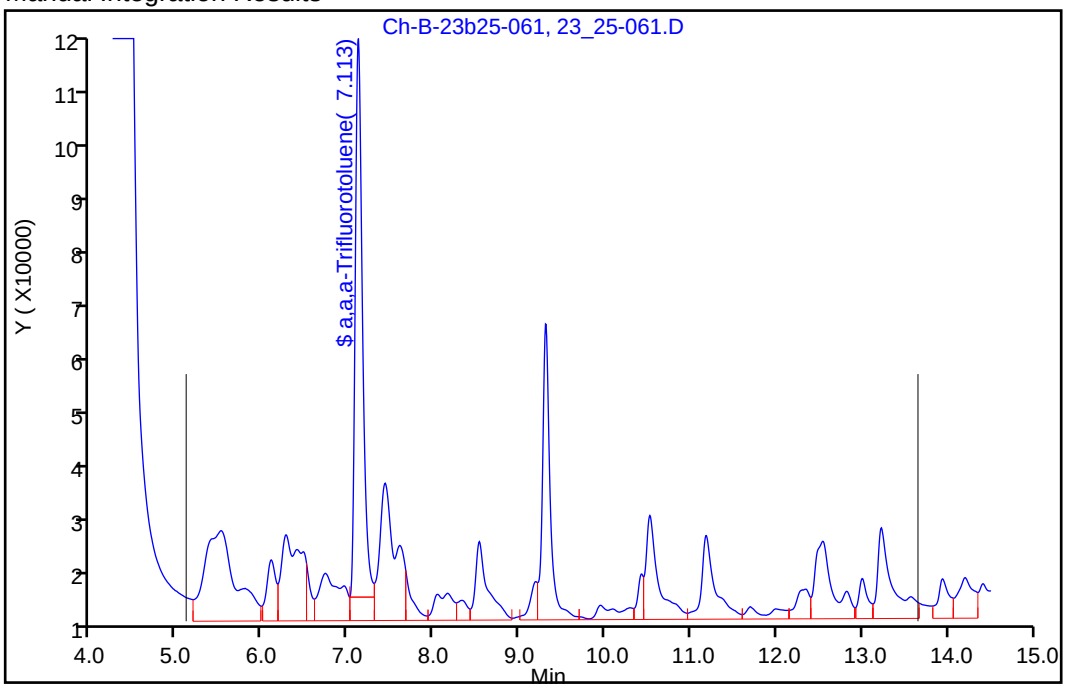
Processing Integration Results

RT: 9.38
Response: 1753055
Amount: 115.9518



Manual Integration Results

RT: 9.38
Response: 2881424
Amount: 177.3454



Reviewer: salversonj, 08-Mar-2022 13:01:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-23 Start Date: 12/01/2021 10:24

Analysis Batch Number: 607185 End Date: 12/01/2021 13:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-607185/3 IC		12/01/2021 10:24	1	23_23-169.D	RTX-VMS 0.53(mm)
STD2 480-607185/4 IC		12/01/2021 11:00	1	23_23-170.D	RTX-VMS 0.53(mm)
STD3 480-607185/5 IC		12/01/2021 11:36	1	23_23-171.D	RTX-VMS 0.53(mm)
STD4 480-607185/6 IC		12/01/2021 12:13	1	23_23-172.D	RTX-VMS 0.53(mm)
STD5 480-607185/7 IC		12/01/2021 12:49	1	23_23-173.D	RTX-VMS 0.53(mm)
ICV 480-607185/8		12/01/2021 13:25	1		RTX-VMS 0.53(mm)

8015D

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-23 Start Date: 03/08/2022 07:59

Analysis Batch Number: 617059 End Date: 03/08/2022 13:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 480-617059/1		03/08/2022 07:59	1		RTX-VMS 0.53(mm)
CCV 480-617059/2		03/08/2022 08:35	1	23_25-055.D	RTX-VMS 0.53(mm)
MB 480-617051/1-A		03/08/2022 09:12	1	23_25-056.D	RTX-VMS 0.53(mm)
LCS 480-617051/2-A		03/08/2022 09:48	1	23_25-057.D	RTX-VMS 0.53(mm)
480-195466-9	LF1	03/08/2022 10:38	1	23_25-058.D	RTX-VMS 0.53(mm)
480-195466-10	LF2	03/08/2022 11:15	1	23_25-059.D	RTX-VMS 0.53(mm)
480-195466-9 MS	LF1 MS	03/08/2022 11:51	1	23_25-060.D	RTX-VMS 0.53(mm)
480-195466-9 MSD	LF1 MSD	03/08/2022 12:27	1	23_25-061.D	RTX-VMS 0.53(mm)
CCV 480-617059/9		03/08/2022 13:17	1	23_25-062.D	RTX-VMS 0.53(mm)

8015D

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617051 Batch Start Date: 03/08/22 08:05 Batch Analyst: Salverson, Jessica L

Batch Method: 5035A_H Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GRO_3rd_500 00014	GRO_SURR_75 00134		
MB 480-617051/1		5035A_H, 8015D		5.01 g	250 mL		100 uL		
LCS 480-617051/2		5035A_H, 8015D		5.23 g	250 mL	100 uL	100 uL		
480-195466-E-9 MS	LF1	5035A_H, 8015D	T	5.41 g	250 mL	100 uL	100 uL		
480-195466-E-9 MSD	LF1	5035A_H, 8015D	T	5.34 g	250 mL	100 uL	100 uL		
480-195466-E-9	LF1	5035A_H, 8015D	T	5.14 g	250 mL		100 uL		
480-195466-C-10	LF2	5035A_H, 8015D	T	5.34 g	250 mL		100 uL		

Batch Notes	
Balance ID	b2026047833
Blank Matrix ID	sand 20E115202
Preservative ID	meoh Fisher 215726

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 8015D - DRO

Nonhalogenated Organics using GC/FID - Modified (Diesel Range Organics) by Method 8015D

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	OTPH #
LF1	480-195466-9	80
LF2	480-195466-10	81
	MB 480-616939/1-A	71
	LCS 480-616939/2-A	99
	LCSD 480-616939/3-A	100

	QC LIMITS
OTPH = o-Terphenyl	48-125

Column to be used to flag recovery values

FORM II 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 24a0003_163.d

Lab ID: LCS 480-616939/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	49.6	45.1	91	63-127	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 24a0003_164.d

Lab ID: LCSD 480-616939/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Diesel Range Organics [C10-C28]	49.1	45.2	92	0	35	63-127	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab File ID: 24a0003_162.d Lab Sample ID: MB 480-616939/1-A

Matrix: Solid Date Extracted: 03/07/2022 09:00

Instrument ID: HP5890-24 Date Analyzed: 03/07/2022 13:51

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
LF1	480-195466-9	24a0003_160.d	03/07/2022 12:39
LF2	480-195466-10	24a0003_161.d	03/07/2022 13:15
	LCS 480-616939/2-A	24a0003_163.d	03/07/2022 14:27
	LCSD 480-616939/3-A	24a0003_164.d	03/07/2022 15:03

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid
Lab File ID: 24a0003_160.d
Analysis Method: 8015D
Date Collected: 03/02/2022 14:15
Extraction Method: 3550C
Date Extracted: 03/07/2022 09:00
Sample wt/vol: 30.68(g)
Date Analyzed: 03/07/2022 12:39
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5
ID: 0.25(mm)
% Moisture: 15.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 616986
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	9.6	J	19	5.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	80		48-125

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_160.d				
Lims ID:	480-195466-F-9-B				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 12:39:17	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				
First Level Reviewer: NearyM		Date:	07-Mar-2022 13:11:02		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
A 10 C10-C28	11.414	(5.532-17.296)		1187664	249.4	M
$ 28 o-Terphenyl	12.311	12.315	-0.004	102762	16.0	

QC Flag Legend

Review Flags

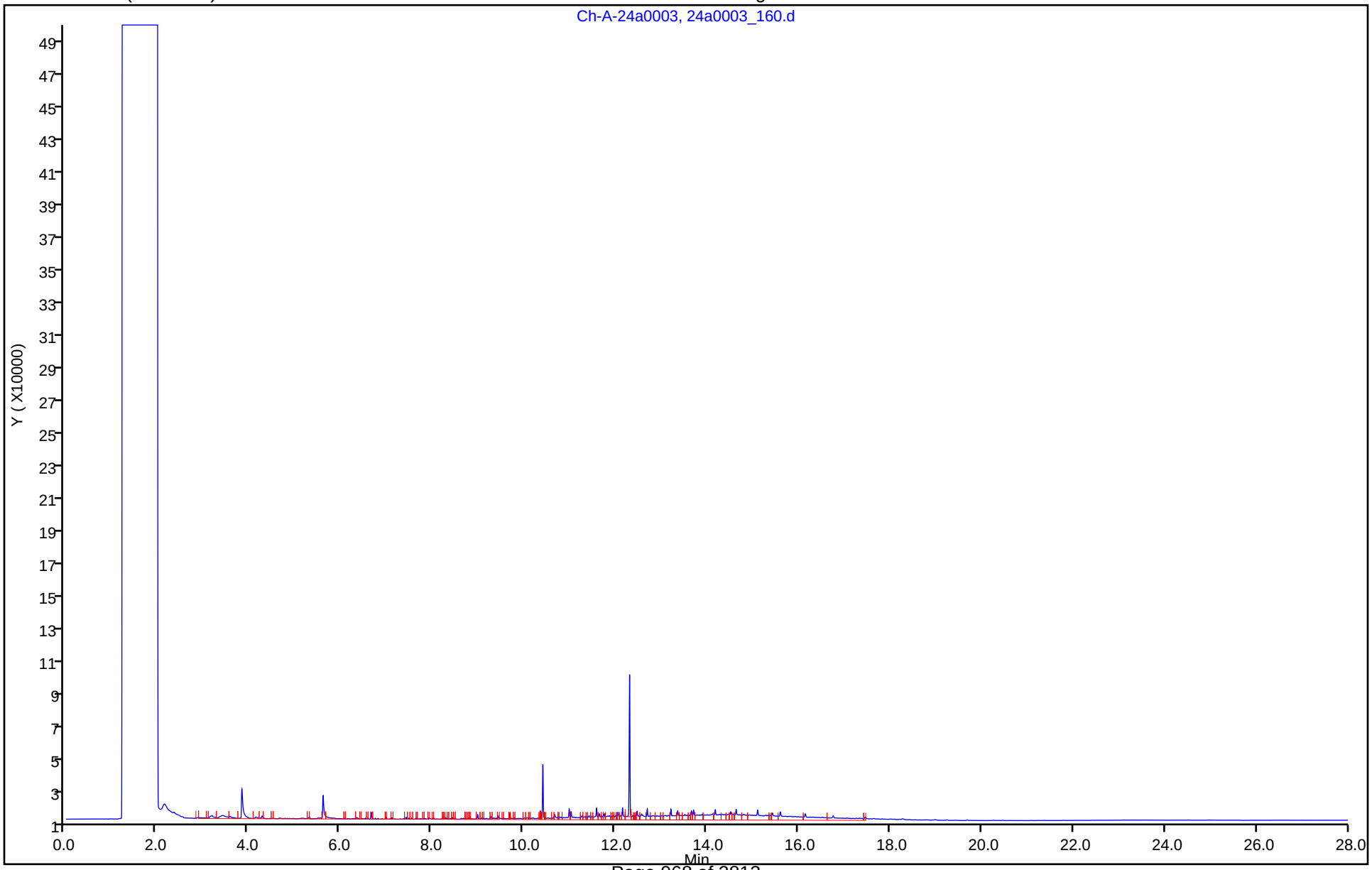
M - Manually Integrated

Report Date: 08-Mar-2022 06:12:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_160.d				
Injection Date:	07-Mar-2022 12:39:17	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	480-195466-F-9-B	Lab Sample ID:	480-195466-9	Worklist Smp#:	3
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_160.d				
Lims ID:	480-195466-F-9-B				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 12:39:17	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				
First Level Reviewer: NearyM		Date:	07-Mar-2022 13:11:02		

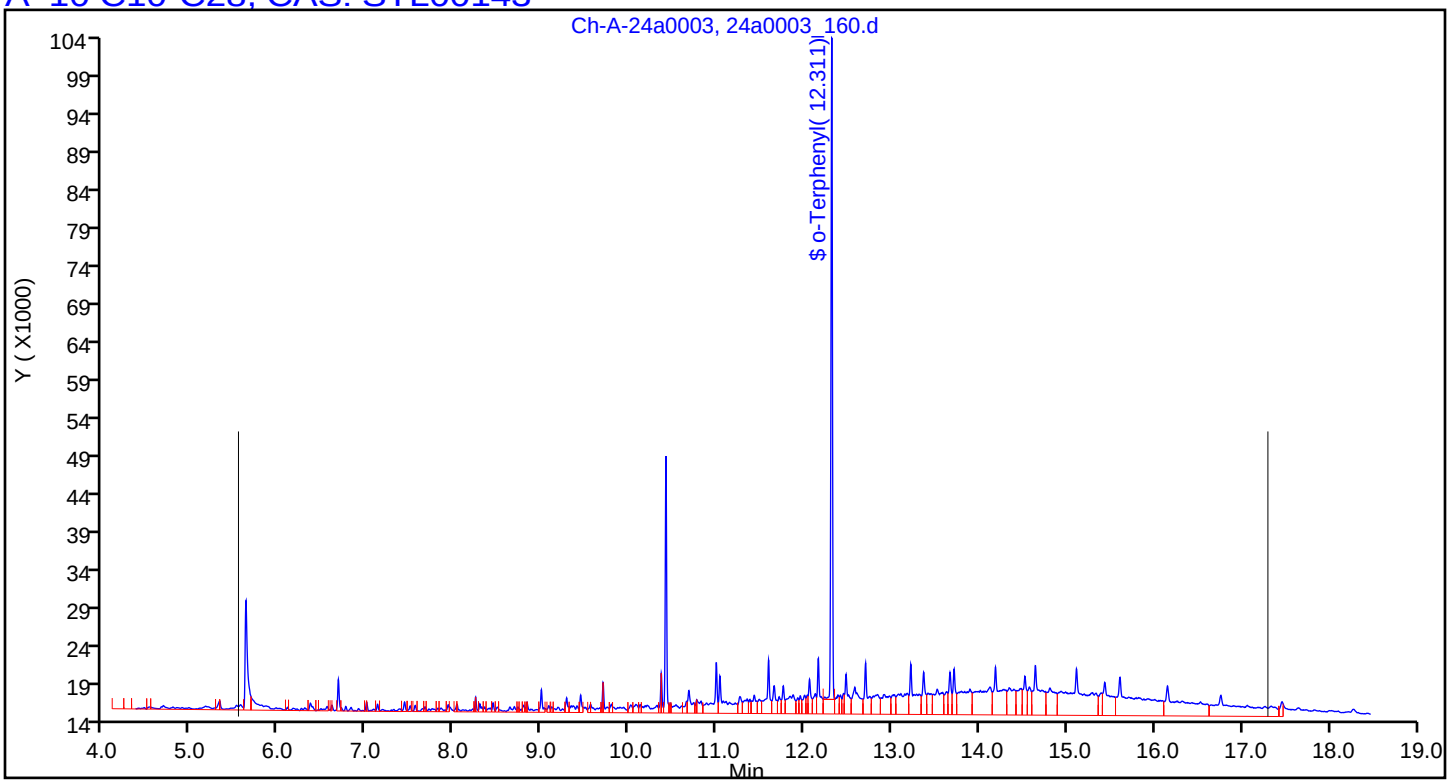
Compound	Amount Added	Amount Recovered	% Rec.
$ 28 o-Terphenyl	20.0	16.0	80.17

Report Date: 08-Mar-2022 06:12:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_160.d				
Injection Date:	07-Mar-2022 12:39:17	Instrument ID:	HP5890-24		
Lims ID:	480-195466-F-9-B	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

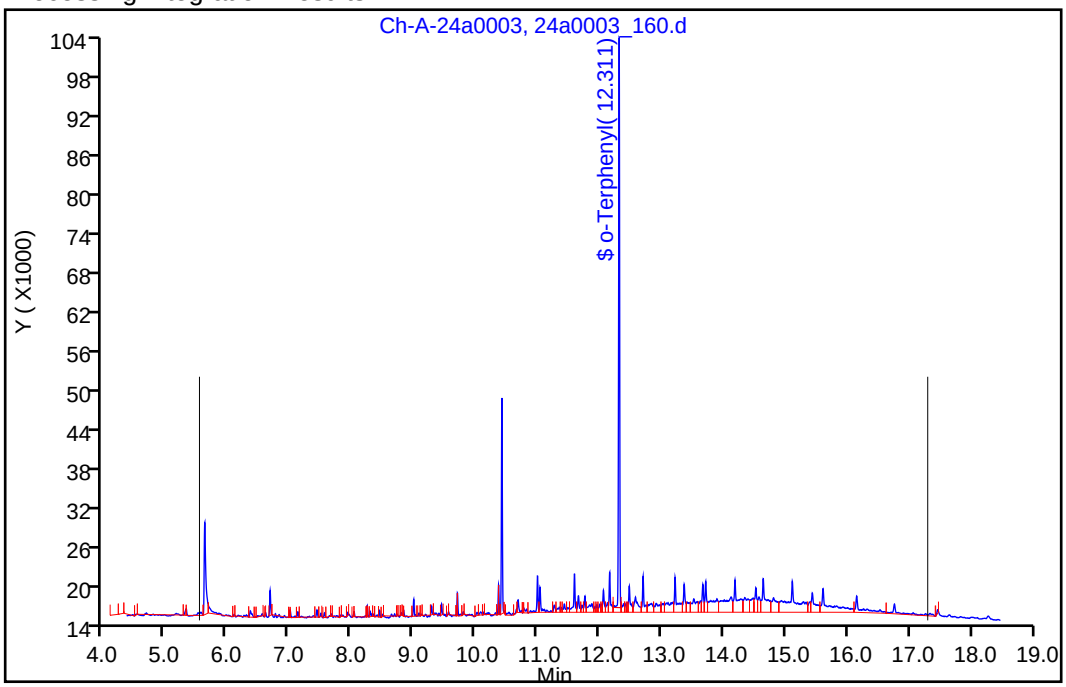
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_160.d				
Injection Date:	07-Mar-2022 12:39:17	Instrument ID:	HP5890-24		
Lims ID:	480-195466-F-9-B	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.414, CAS: STL00143

Signal: 1

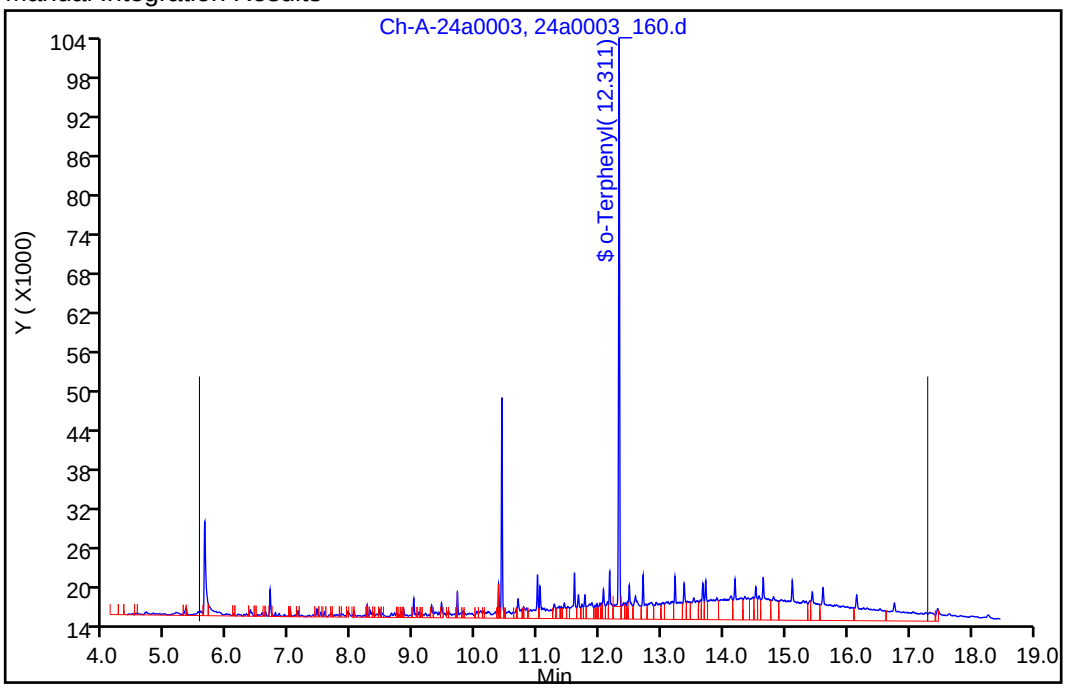
Processing Integration Results

RT: 11.41
Response: 578760
Amount: 121.5265



Manual Integration Results

RT: 11.41
Response: 1187664
Amount: 249.3825



Reviewer: NearyM, 07-Mar-2022 13:10:22

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid
Lab File ID: 24a0003_161.d
Analysis Method: 8015D
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 09:00
Sample wt/vol: 30.49(g)
Date Analyzed: 03/07/2022 13:15
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5
ID: 0.25(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 616986
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	28		21	6.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	81		48-125

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_161.d				
Lims ID:	480-195466-E-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 13:15:21	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				
First Level Reviewer: NearyM		Date:	07-Mar-2022 13:47:07		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
A 10 C10-C28	11.414	(5.532-17.296)		3166459	664.9	M
$ 28 o-Terphenyl	12.315	12.315	0.000	104015	16.2	

QC Flag Legend

Processing Flags

Review Flags

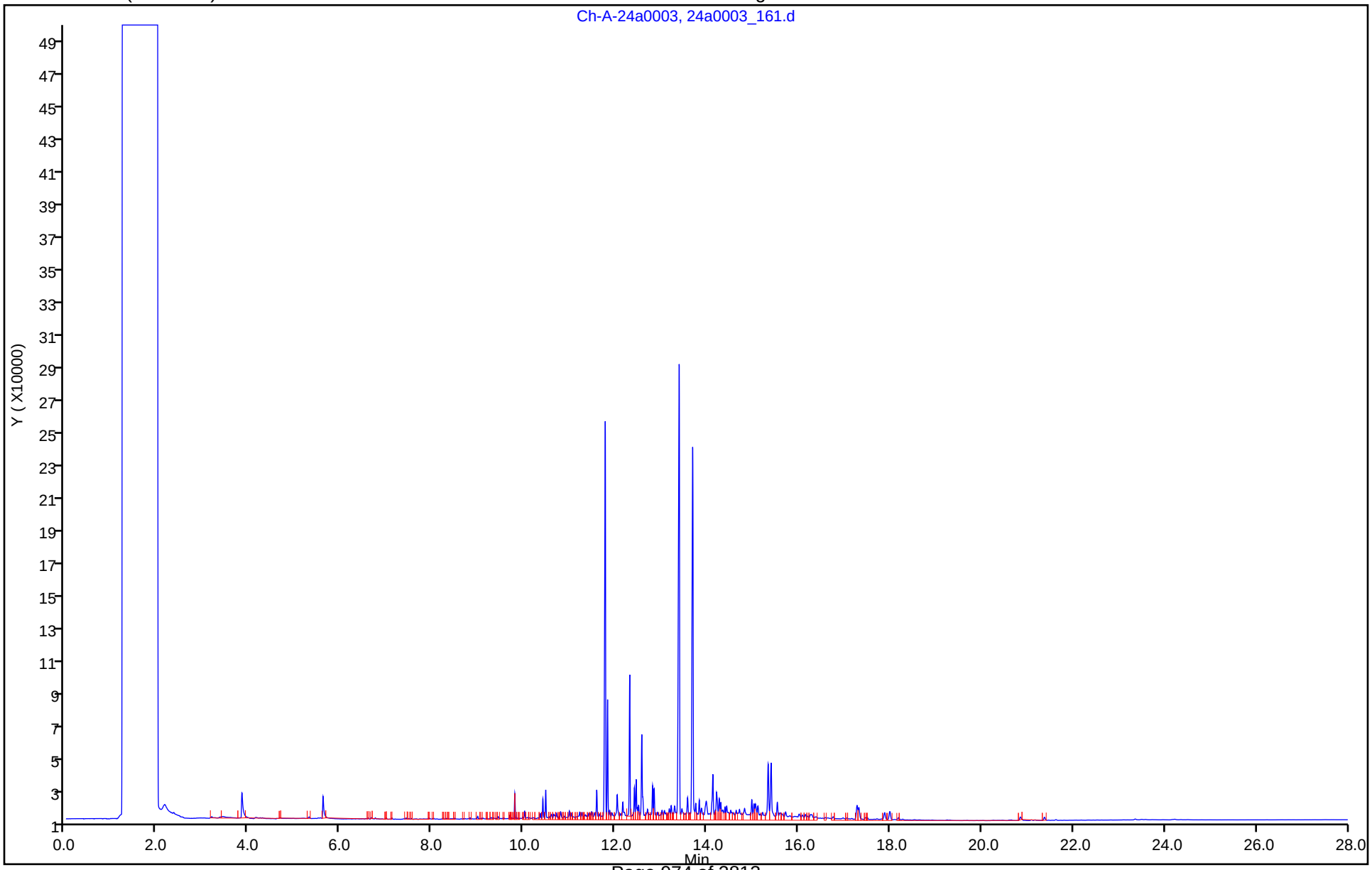
M - Manually Integrated

Report Date: 08-Mar-2022 06:12:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_161.d				
Injection Date:	07-Mar-2022 13:15:21	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-10-D	Lab Sample ID:	480-195466-10	Worklist Smp#:	4
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_161.d				
Lims ID:	480-195466-E-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 13:15:21	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				
First Level Reviewer: NearyM		Date:	07-Mar-2022 13:47:07		

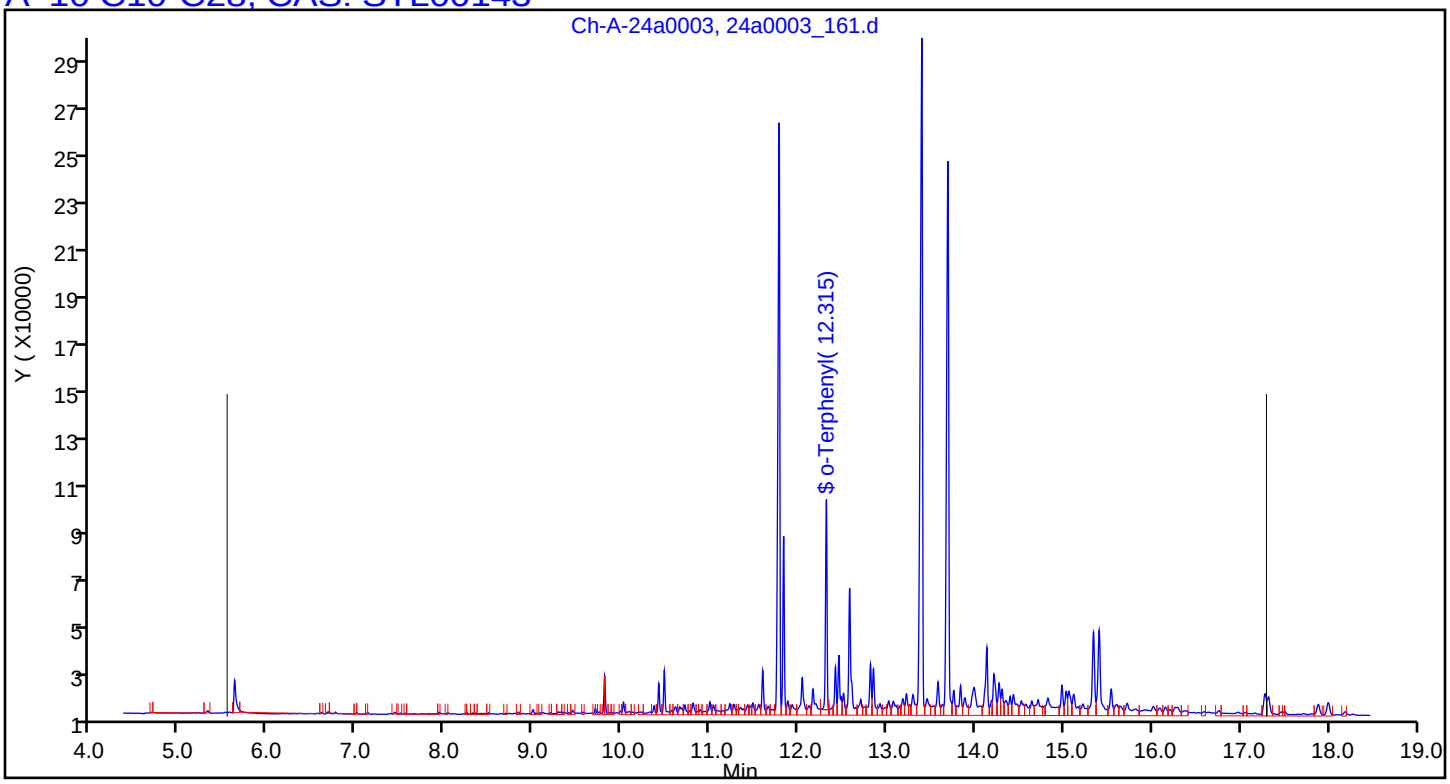
Compound	Amount Added	Amount Recovered	% Rec.
$ 28 o-Terphenyl	20.0	16.2	81.15

Report Date: 08-Mar-2022 06:12:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_161.d				
Injection Date:	07-Mar-2022 13:15:21	Instrument ID:	HP5890-24		
Lims ID:	480-195466-E-10-D	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

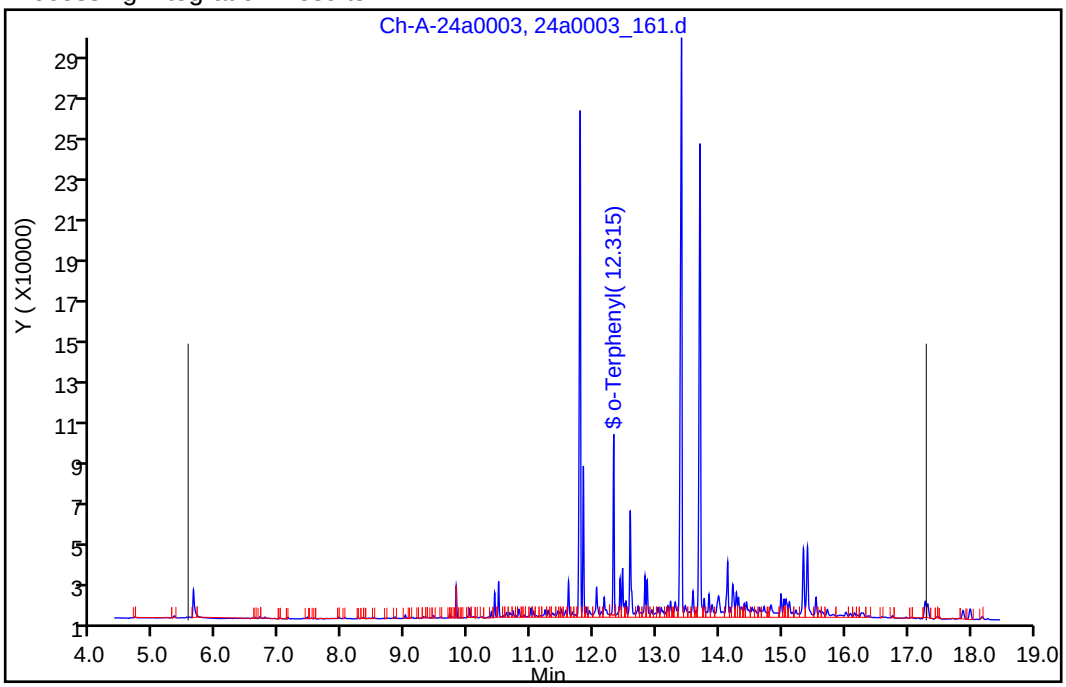
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_161.d				
Injection Date:	07-Mar-2022 13:15:21	Instrument ID:	HP5890-24		
Lims ID:	480-195466-E-10-D	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.414, CAS: STL00143

Signal: 1

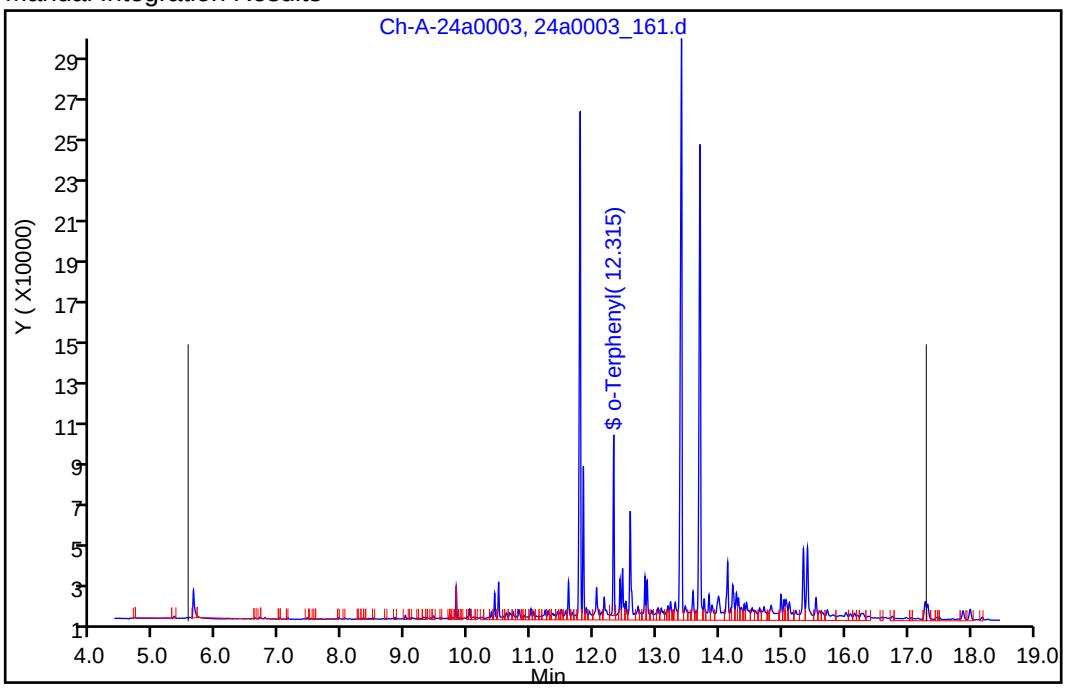
Processing Integration Results

RT: 11.41
Response: 2661684
Amount: 558.8933



Manual Integration Results

RT: 11.41
Response: 3166459
Amount: 664.8846



Reviewer: NearyM, 07-Mar-2022 13:47:03

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 614231

SDG No.:

Instrument ID: HP5890-24 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2022 09:28 Calibration End Date: 02/09/2022 12:27 Calibration ID: 43056

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-614231/3	24a0002_367.d
Level 2	STD2 480-614231/4	24a0002_368.d
Level 3	STD3 480-614231/5	24a0002_369.d
Level 4	STD4 480-614231/6	24a0002_370.d
Level 5	STD5 480-614231/7	24a0002_371.d
Level 6	STD6 480-614231/8	24a0002_372.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Diesel Range Organics [C10-C28]	11.235	11.235	11.235	11.235	11.235	11.235					5.506 - 16.965	11.235
o-Terphenyl	12.315	12.318	12.322	12.326	12.333	12.339					12.265 - 12.365	12.326

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 614231

SDG No.:

Instrument ID: HP5890-24 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2022 09:28 Calibration End Date: 02/09/2022 12:27 Calibration ID: 43056

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-614231/3	24a0002_367.d
Level 2	STD2 480-614231/4	24a0002_368.d
Level 3	STD3 480-614231/5	24a0002_369.d
Level 4	STD4 480-614231/6	24a0002_370.d
Level 5	STD5 480-614231/7	24a0002_371.d
Level 6	STD6 480-614231/8	24a0002_372.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 4		B	M1	M2								
Diesel Range Organics [C10-C28]	4325.7 4583.2	4617.9 5886.8	4559.5	4601.4	Ave		4762.4189 5				11.8		20.0			
o-Terphenyl	5879.0 6740.2	5806.3 8097.2	5783.3	6147.3	Ave		6408.8619 4				14.1		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 614231

SDG No.:

Instrument ID: HP5890-24 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2022 09:28 Calibration End Date: 02/09/2022 12:27 Calibration ID: 43056

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-614231/3	24a0002_367.d
Level 2	STD2 480-614231/4	24a0002_368.d
Level 3	STD3 480-614231/5	24a0002_369.d
Level 4	STD4 480-614231/6	24a0002_370.d
Level 5	STD5 480-614231/7	24a0002_371.d
Level 6	STD6 480-614231/8	24a0002_372.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10-C28]	Ave	432573 58868158	2308936	4559460	9202889	22915957	100 10000	500	1000	2000	5000
o-Terphenyl	Ave	5879 404859	58063	115665	184418	269607	1.00 50.0	10.0	20.0	30.0	40.0

Curve Type Legend
Ave = Average

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_367.d				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	09-Feb-2022 09:28:16	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:02	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				
First Level Reviewer: NearyM		Date:	09-Feb-2022 10:36:58		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		432573	NC	NC	M
A 10 C10-C28	11.235	(5.506-16.965)		432573	100.0	90.8	M
$ 28 o-Terphenyl	12.315	12.315	0.000	5879	1.00	0.9173	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

DRO_OTP@200_00011	Amount Added:	5.00	Units: uL
DRO_INT10000_00016	Amount Added:	10.00	Units: uL

Report Date: 10-Feb-2022 06:30:02 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_367.d

Injection Date:	09-Feb-2022 09:28:16	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

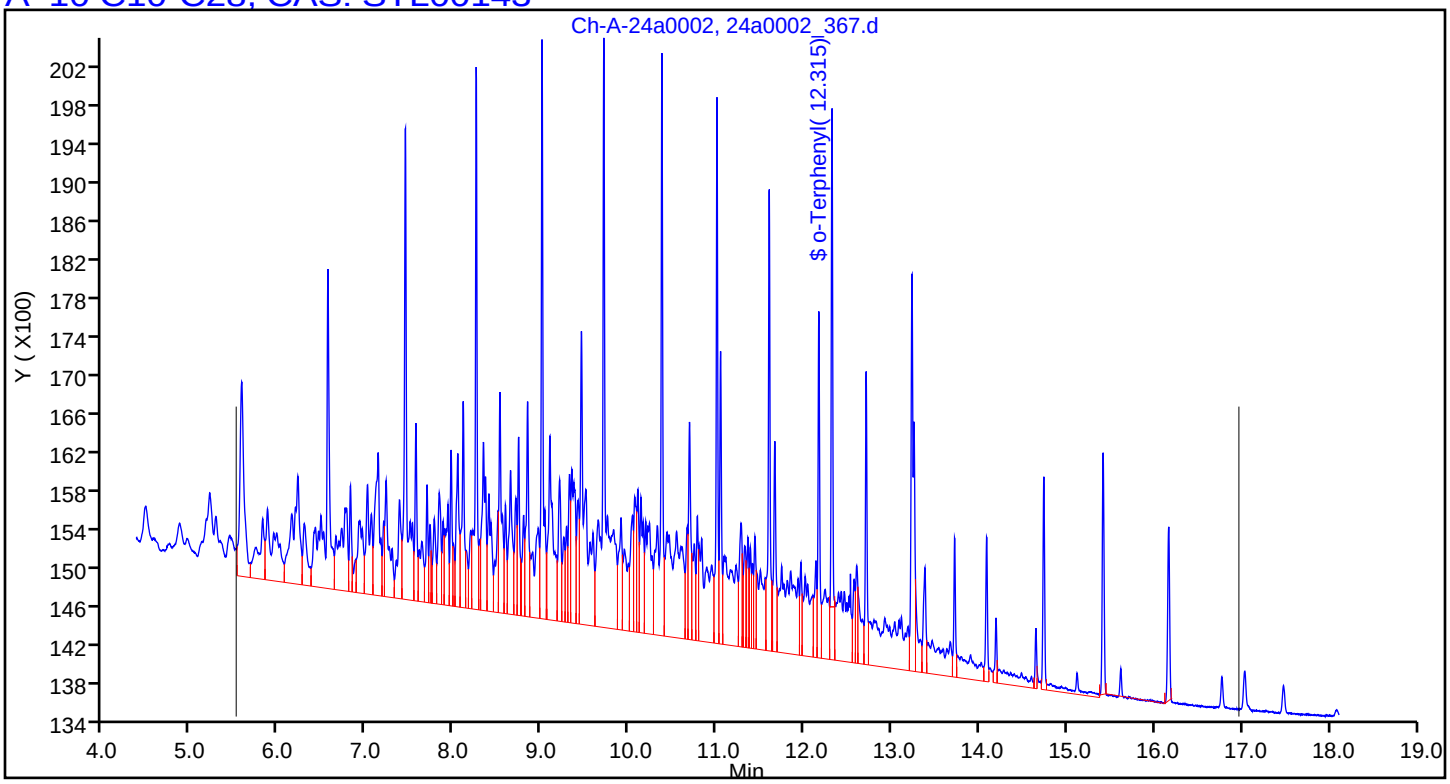
Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

Report Date: 10-Feb-2022 06:30:02 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_367.d				
Injection Date:	09-Feb-2022 09:28:16	Instrument ID:	HP5890-24		
Lims ID:	std1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

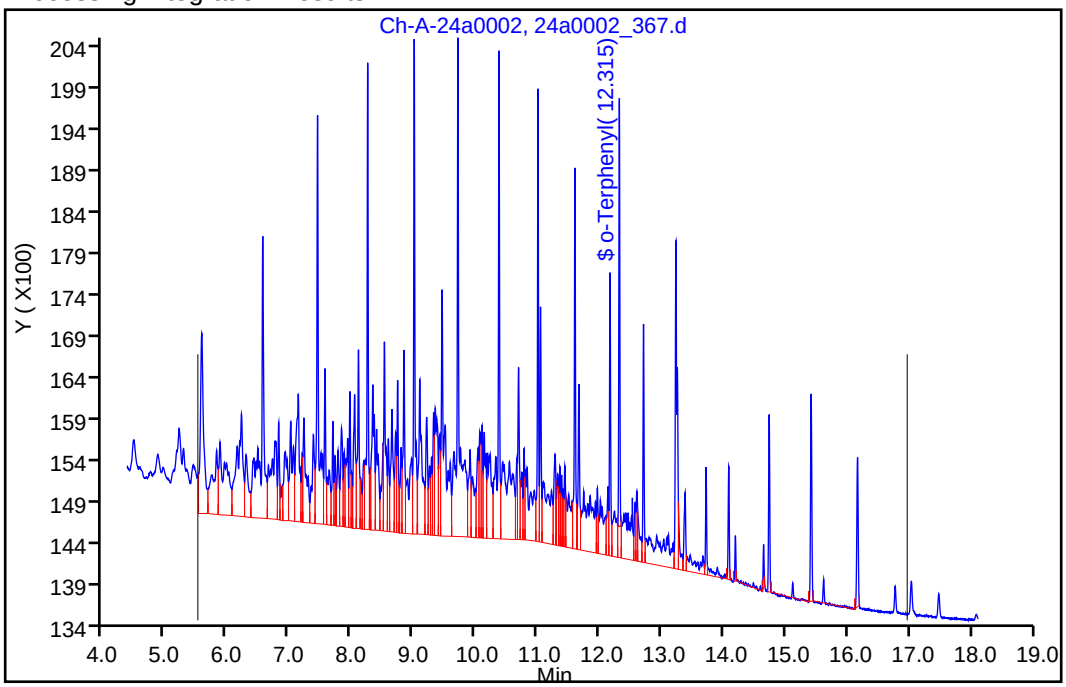
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_367.d				
Injection Date:	09-Feb-2022 09:28:16	Instrument ID:	HP5890-24		
Lims ID:	std1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.235, CAS: STL00143

Signal: 1

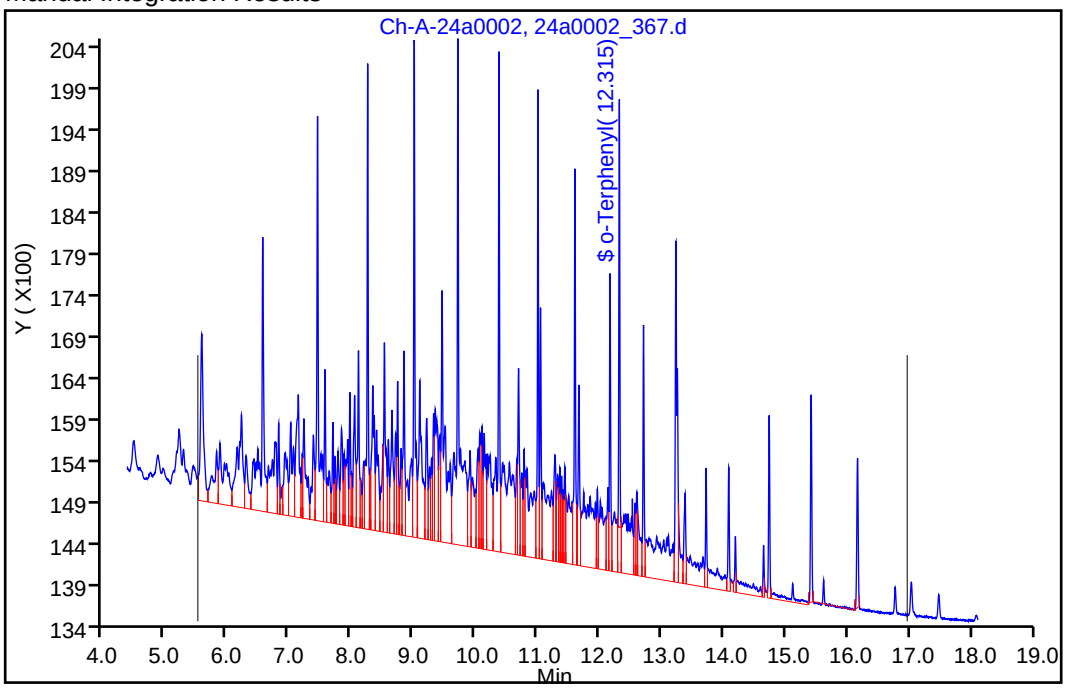
Processing Integration Results

RT: 11.24
Response: 396292
Amount: 81.574741



Manual Integration Results

RT: 11.24
Response: 432573
Amount: 90.830522



Reviewer: NearyM, 09-Feb-2022 10:43:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_368.d				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	09-Feb-2022 10:04:06	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:03	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				
First Level Reviewer: NearyM		Date:	09-Feb-2022 10:38:52		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		2309643	NC	NC	M
A 10 C10-C28	11.235	(5.506-16.965)		2308936	500.0	484.8	M
$ 28 o-Terphenyl	12.318	12.315	0.003	58063	10.0	9.06	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

DRO_OTP@200_00011	Amount Added:	50.00	Units: uL
DRO_INT10000_00016	Amount Added:	50.00	Units: uL

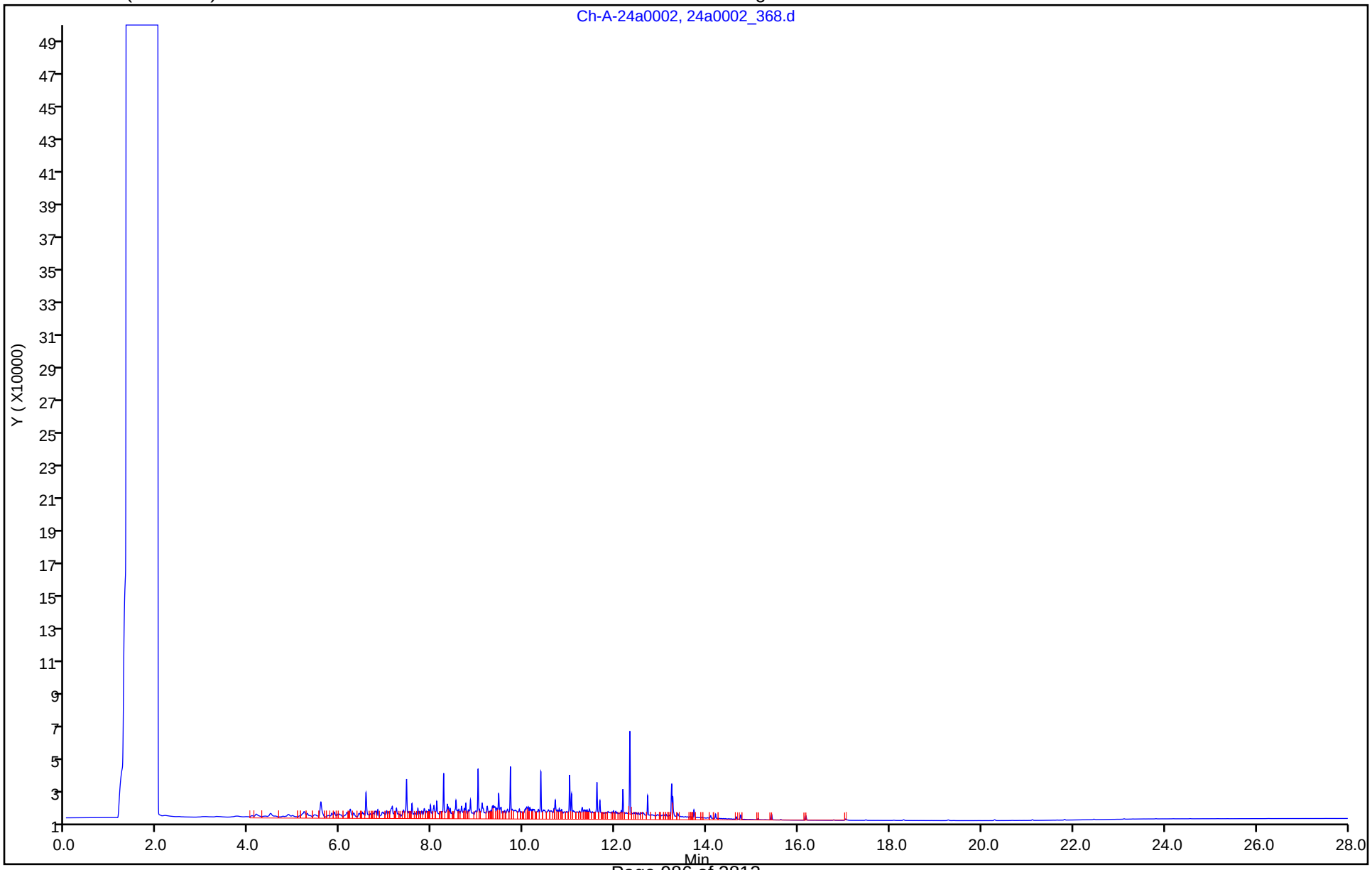
Report Date: 10-Feb-2022 06:30:03 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_368.d

Injection Date:	09-Feb-2022 10:04:06	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

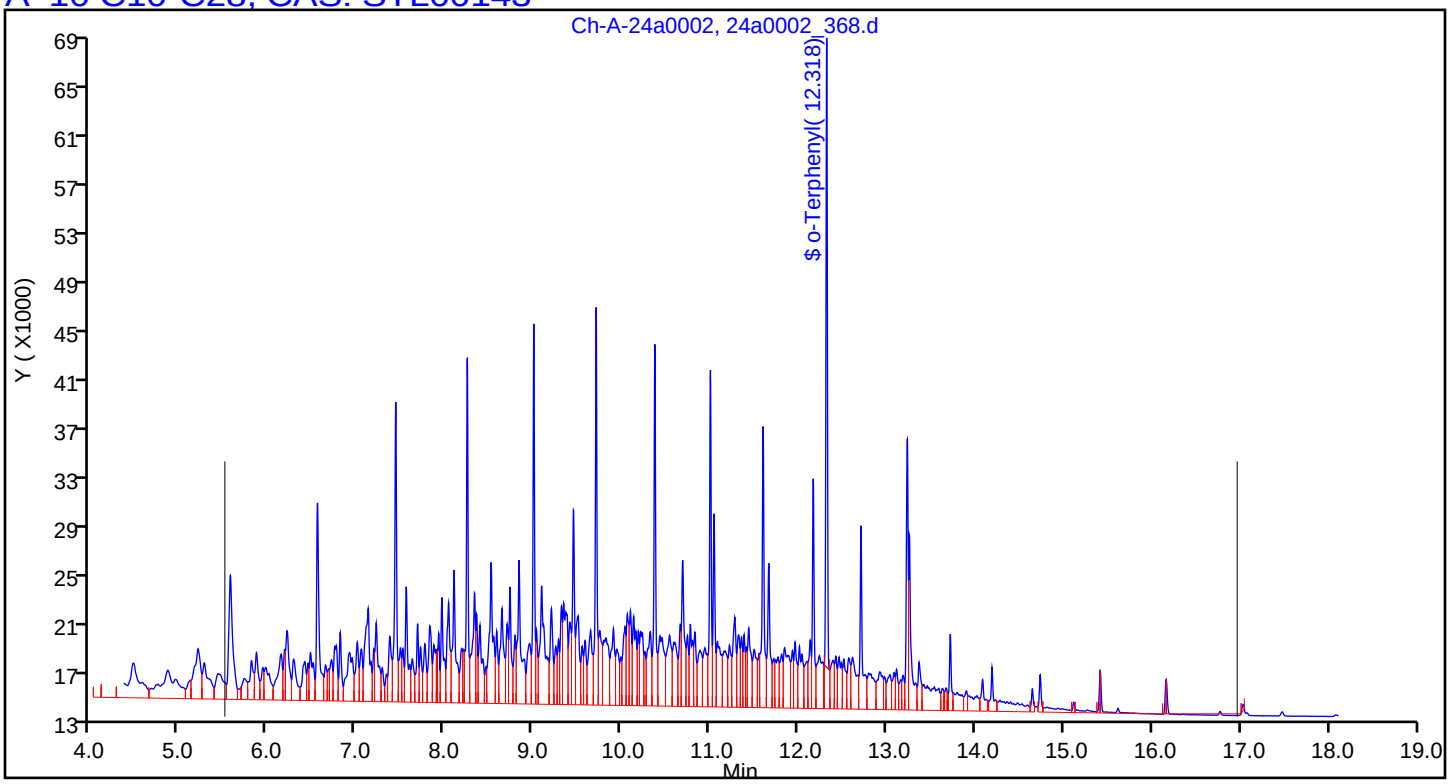


Report Date: 10-Feb-2022 06:30:04 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_368.d				
Injection Date:	09-Feb-2022 10:04:06	Instrument ID:	HP5890-24		
Lims ID:	std2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

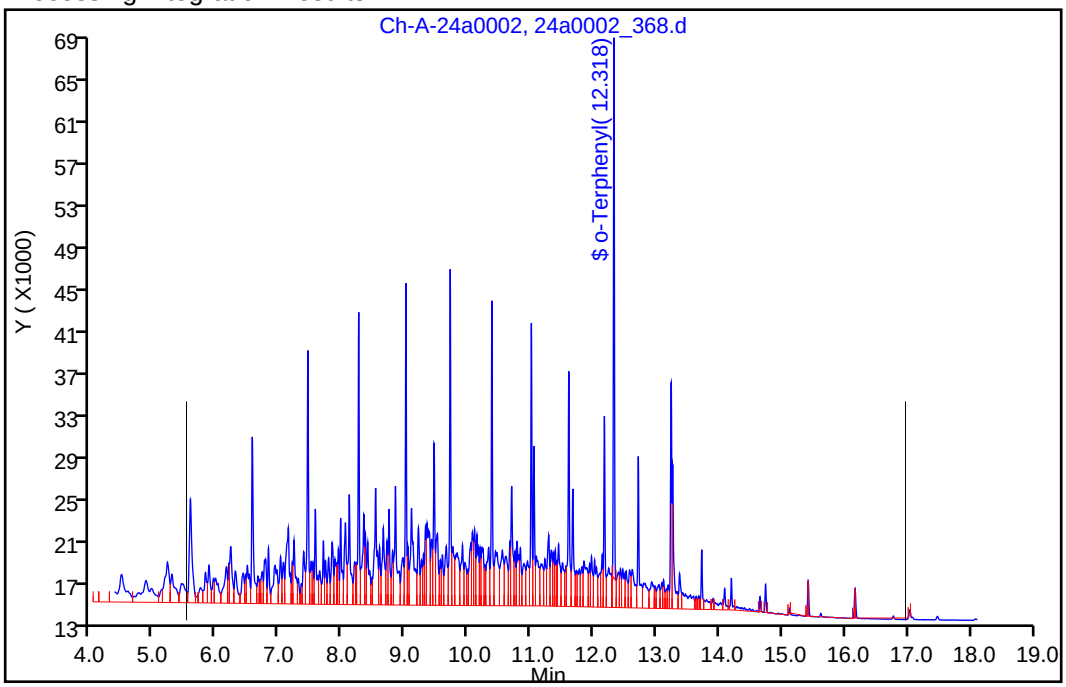
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_368.d				
Injection Date:	09-Feb-2022 10:04:06	Instrument ID:	HP5890-24		
Lims ID:	std2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.235, CAS: STL00143

Signal: 1

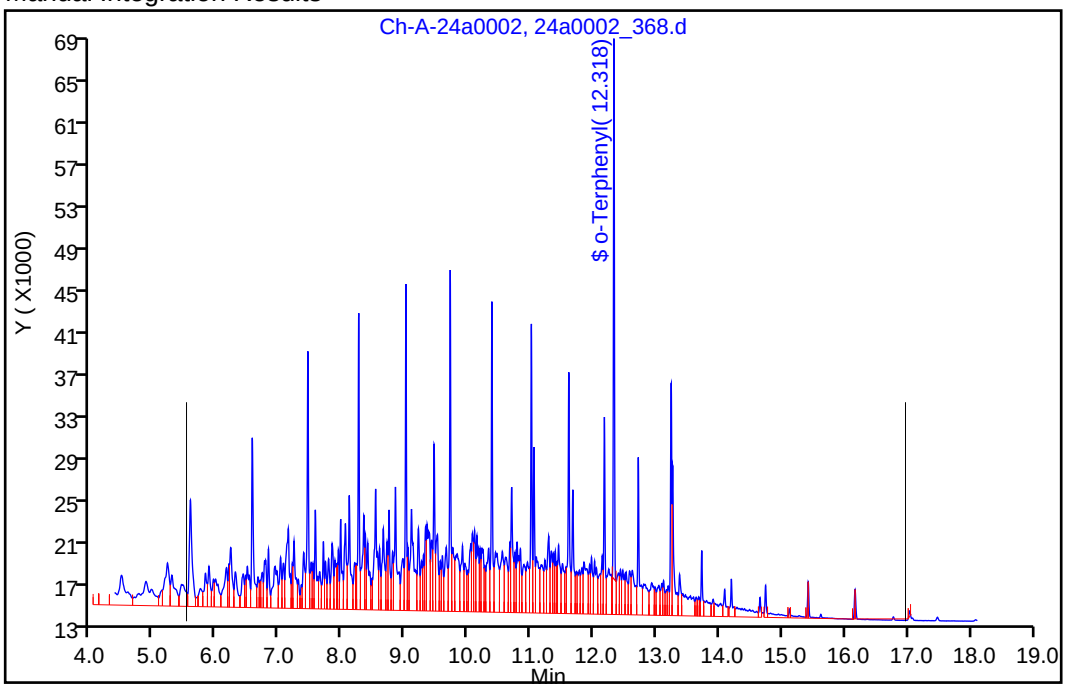
Processing Integration Results

RT: 11.24
Response: 2043438
Amount: 415.4603



Manual Integration Results

RT: 11.24
Response: 2308936
Amount: 484.8242



Reviewer: NearyM, 09-Feb-2022 10:43:43

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_369.d				
Lims ID:	std3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	09-Feb-2022 10:39:57	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:05	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				
First Level Reviewer: NearyM		Date:	09-Feb-2022 11:52:38		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		4560681	NC	NC	M
A 10 C10-C28	11.235	(5.506-16.965)		4559460	1000.0	957.4	M
$ 28 o-Terphenyl	12.322	12.315	0.007	115665	20.0	18.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

DRO_OTP@200_00011	Amount Added: 100.00	Units: uL
DRO_INT10000_00016	Amount Added: 100.00	Units: uL

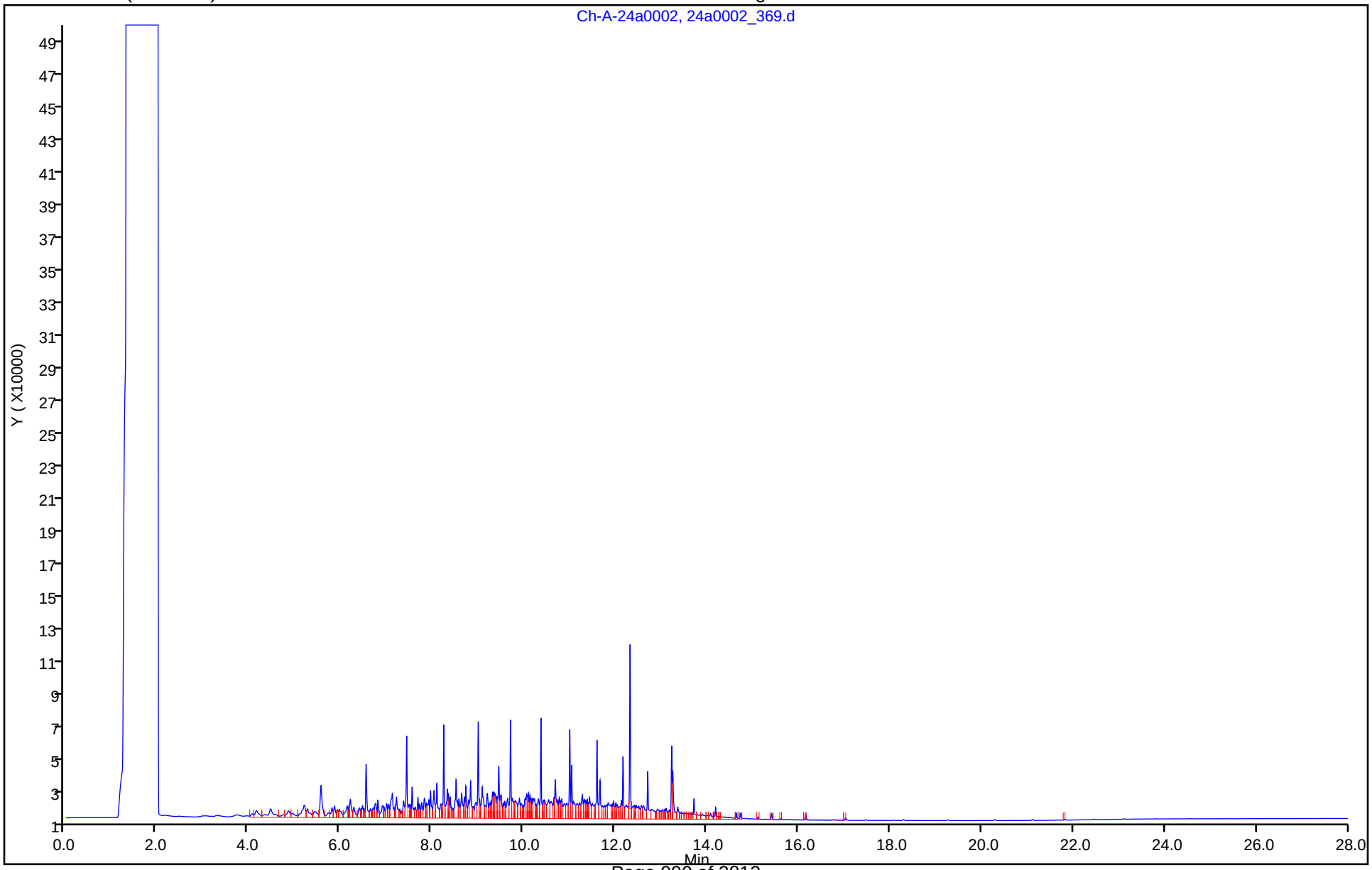
Report Date: 10-Feb-2022 06:30:05 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_369.d

Injection Date:	09-Feb-2022 10:39:57	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

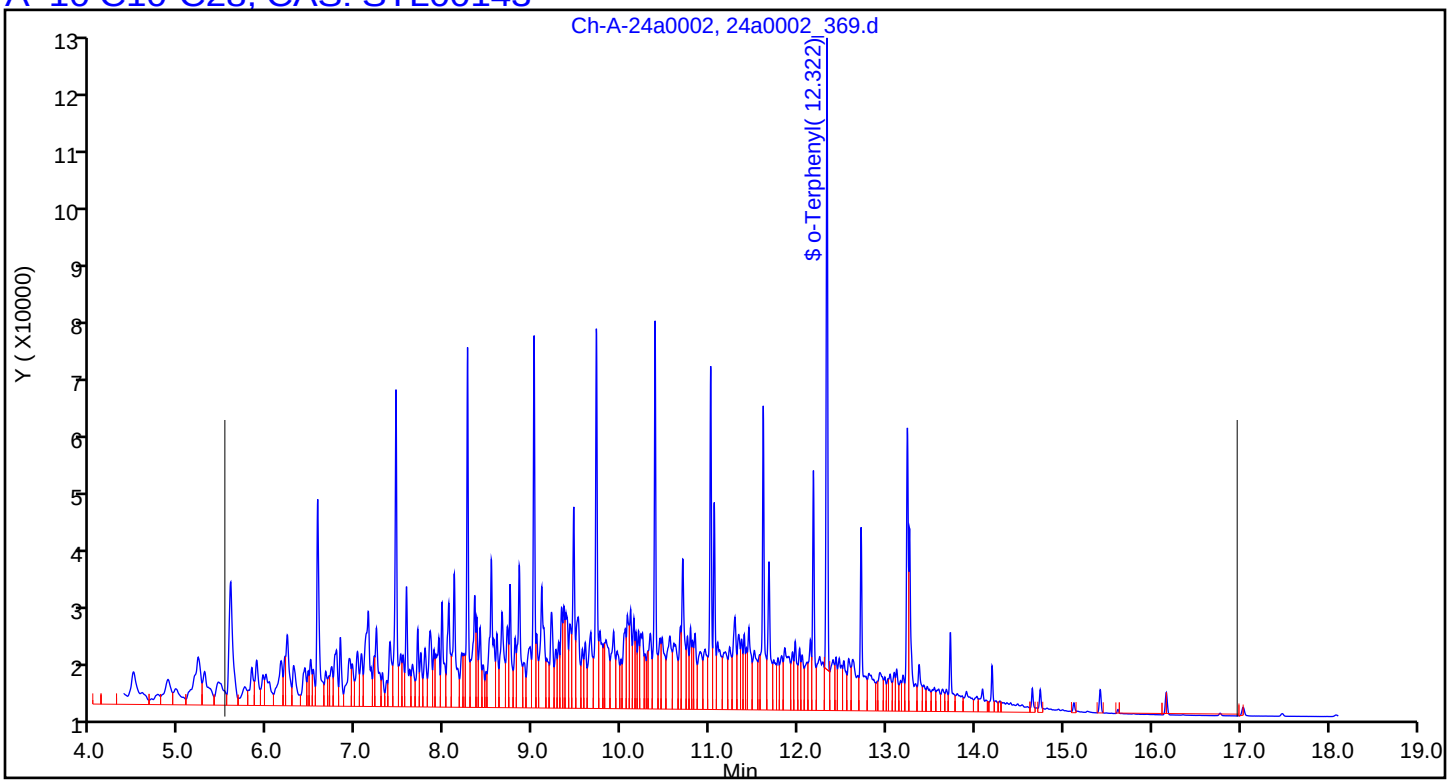


Report Date: 10-Feb-2022 06:30:05 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_369.d				
Injection Date:	09-Feb-2022 10:39:57	Instrument ID:	HP5890-24		
Lims ID:	std3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

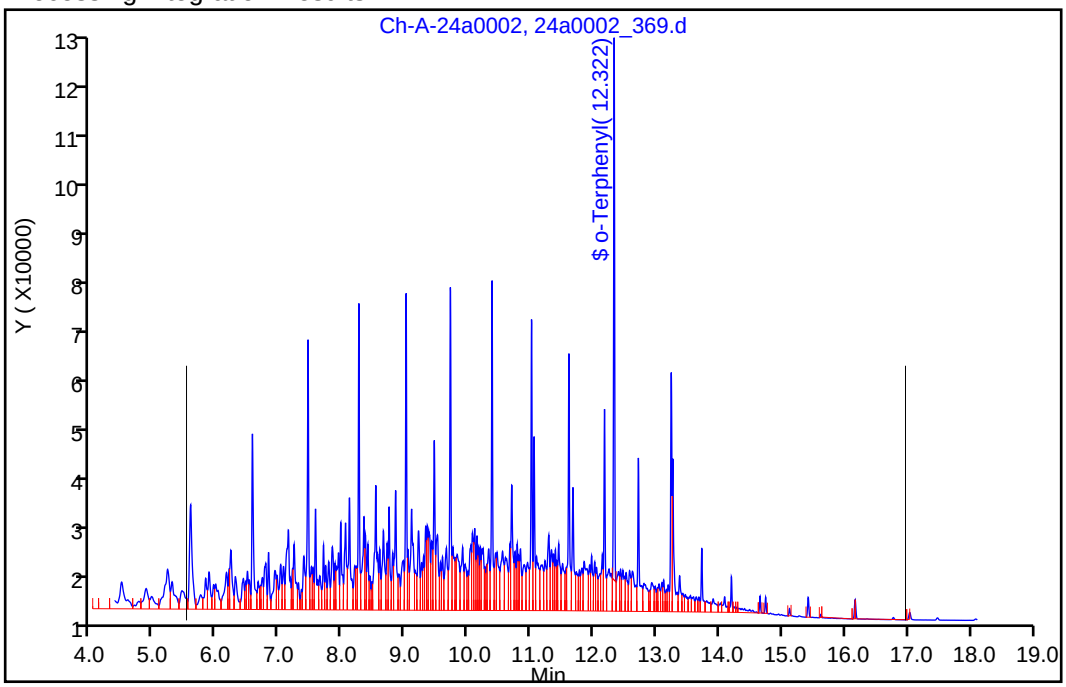
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_369.d				
Injection Date:	09-Feb-2022 10:39:57	Instrument ID:	HP5890-24		
Lims ID:	std3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.235, CAS: STL00143

Signal: 1

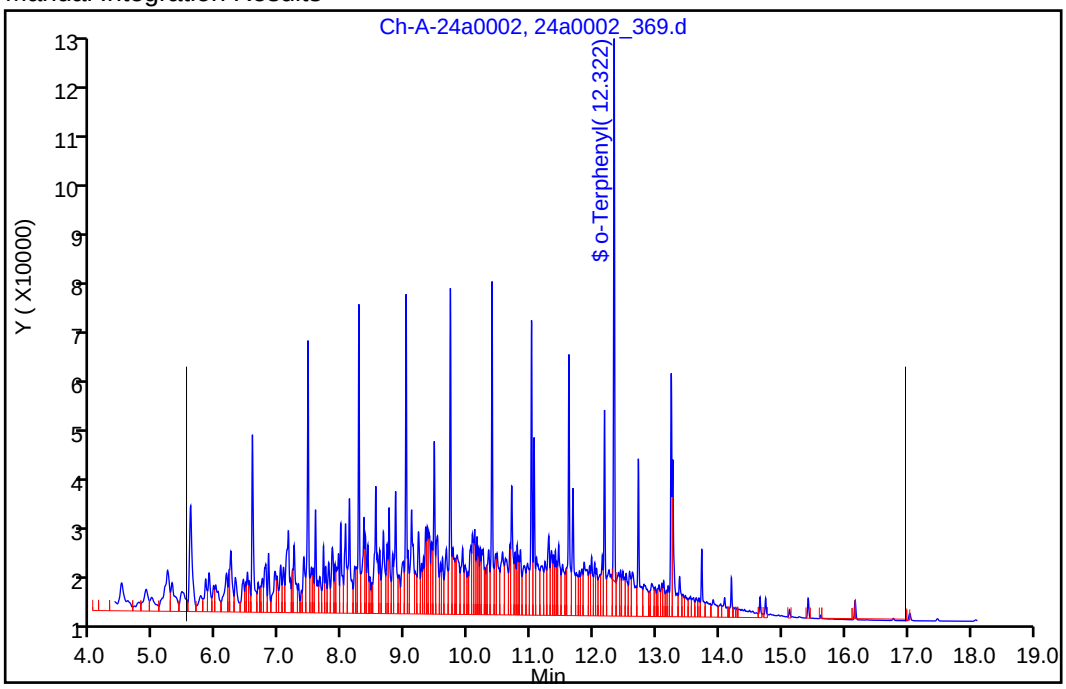
Processing Integration Results

RT: 11.24
Response: 4229458
Amount: 881.8936



Manual Integration Results

RT: 11.24
Response: 4559460
Amount: 957.3832



Reviewer: NearyM, 09-Feb-2022 11:52:34

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_370.d				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	09-Feb-2022 11:15:48	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:07	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		9202889	NC	NC	
A 10 C10-C28	11.235	(5.506-16.965)		9202889	2000.0	1932.4	
$ 28 o-Terphenyl	12.326	12.315	0.011	184418	30.0	28.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

DRO_#2 w Surr_00188 Amount Added: 1.00 Units: mL

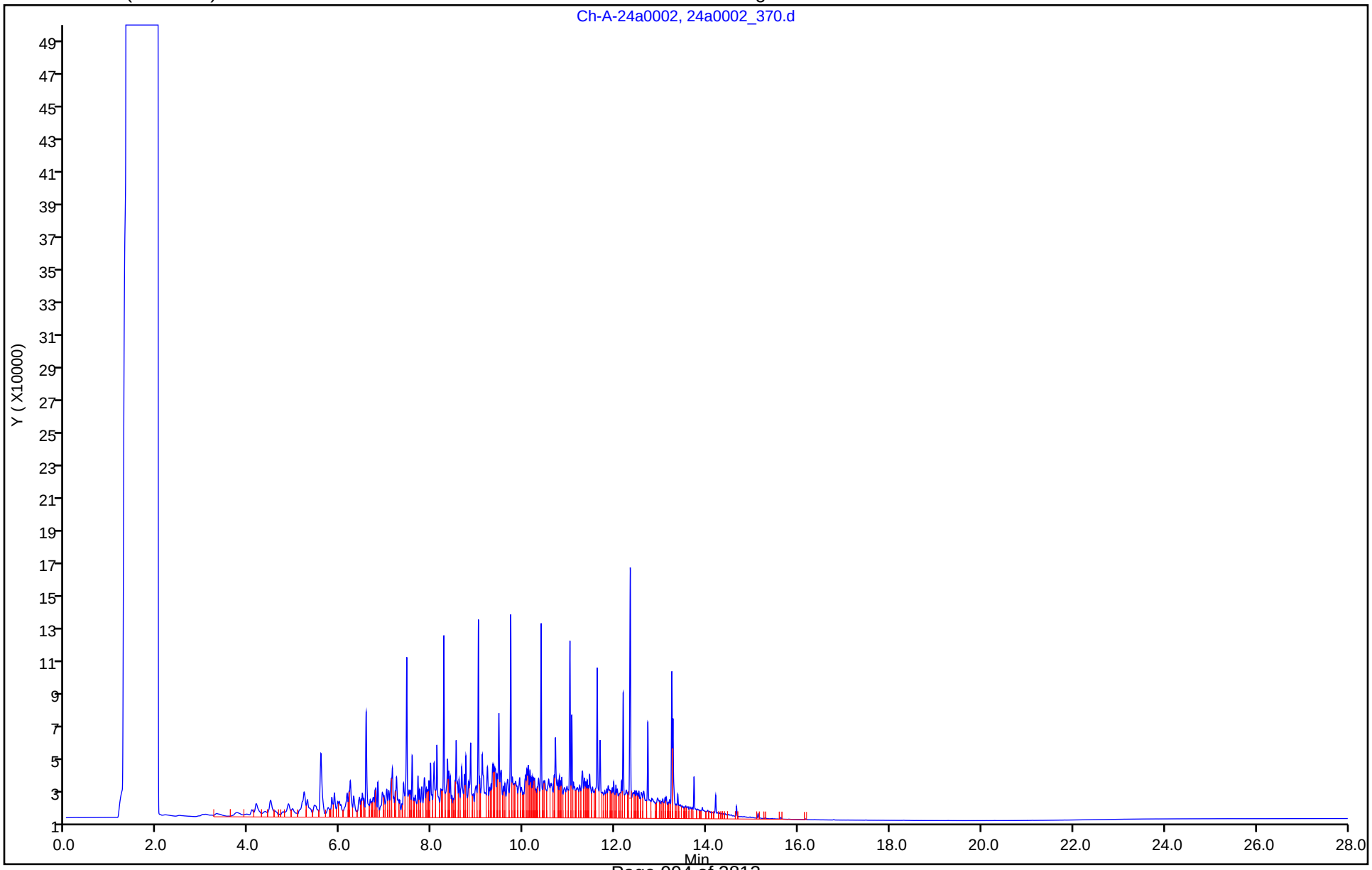
Report Date: 10-Feb-2022 06:30:07 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_370.d

Injection Date:	09-Feb-2022 11:15:48	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

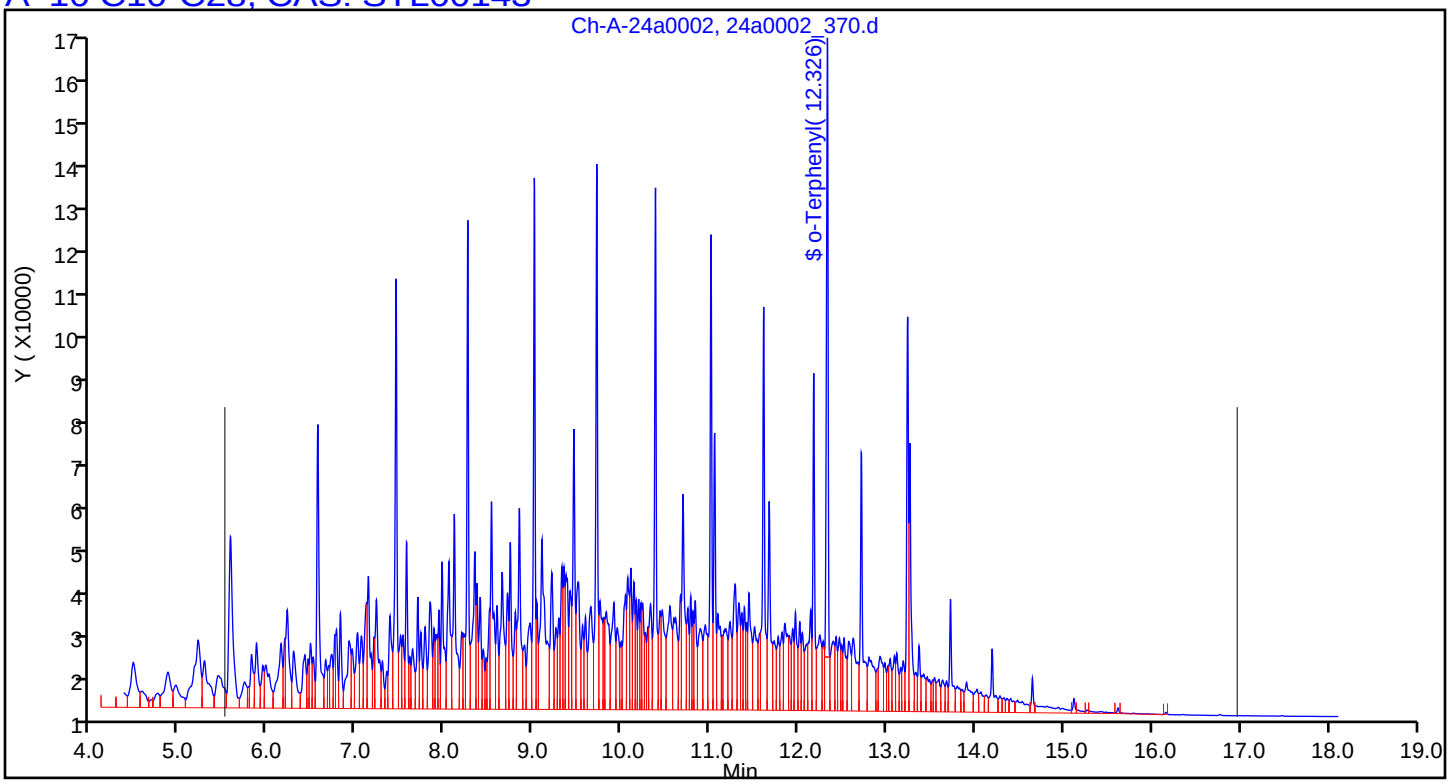


Report Date: 10-Feb-2022 06:30:07 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_370.d				
Injection Date:	09-Feb-2022 11:15:48	Instrument ID:	HP5890-24		
Lims ID:	std4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_371.d				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	09-Feb-2022 11:51:38	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:08	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				
First Level Reviewer: NearyM		Date:	09-Feb-2022 13:24:18		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		22917182	NC	NC	
A 10 C10-C28	11.235	(5.506-16.965)		22915957	5000.0	4811.8	
$ 28 o-Terphenyl	12.333	12.315	0.018	269607	40.0	42.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

DRO_OTP@200_00011	Amount Added: 200.00	Units: uL
DRO_INT10000_00016	Amount Added: 500.00	Units: uL

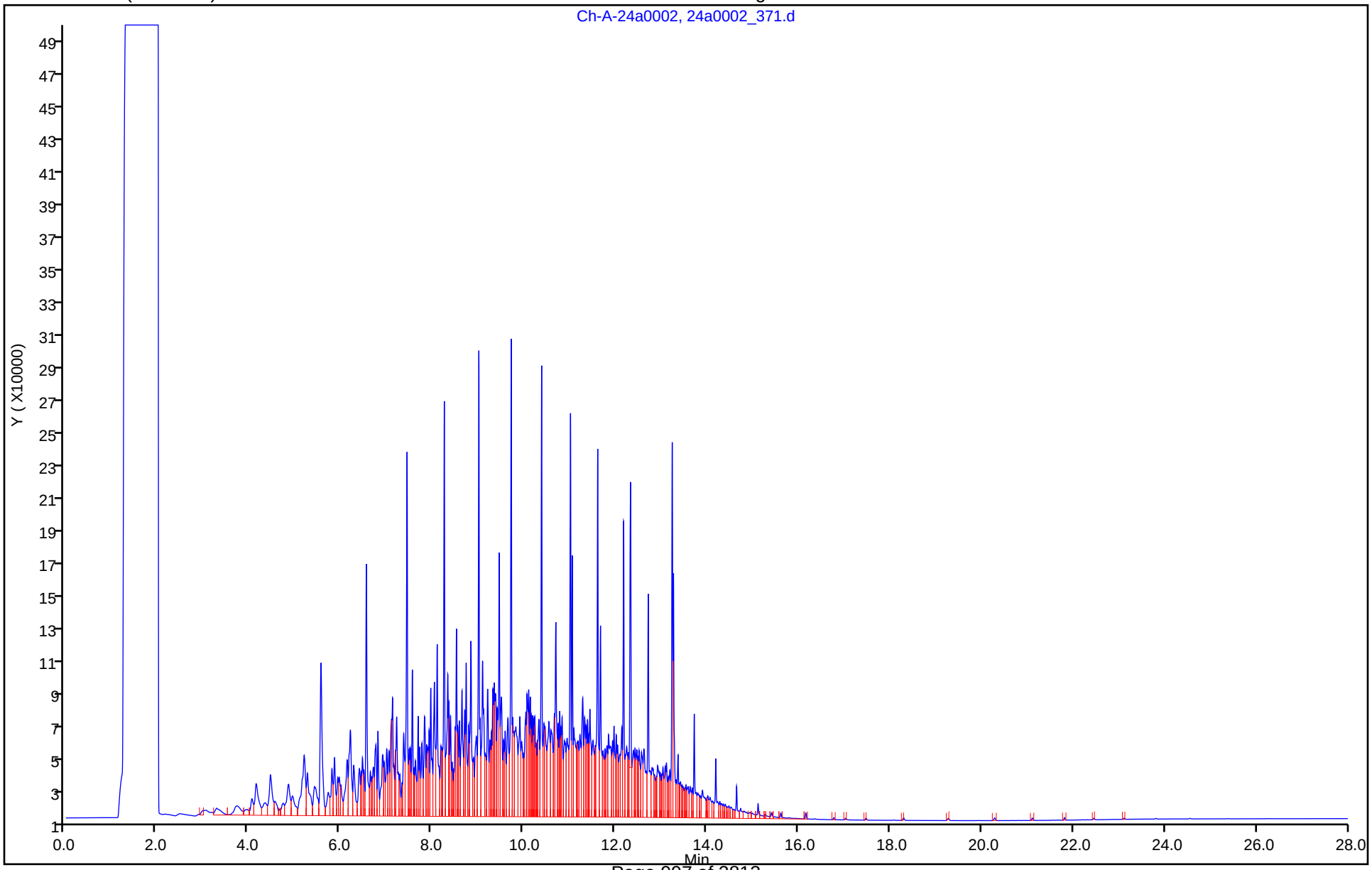
Report Date: 10-Feb-2022 06:30:08 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_371.d

Injection Date:	09-Feb-2022 11:51:38	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

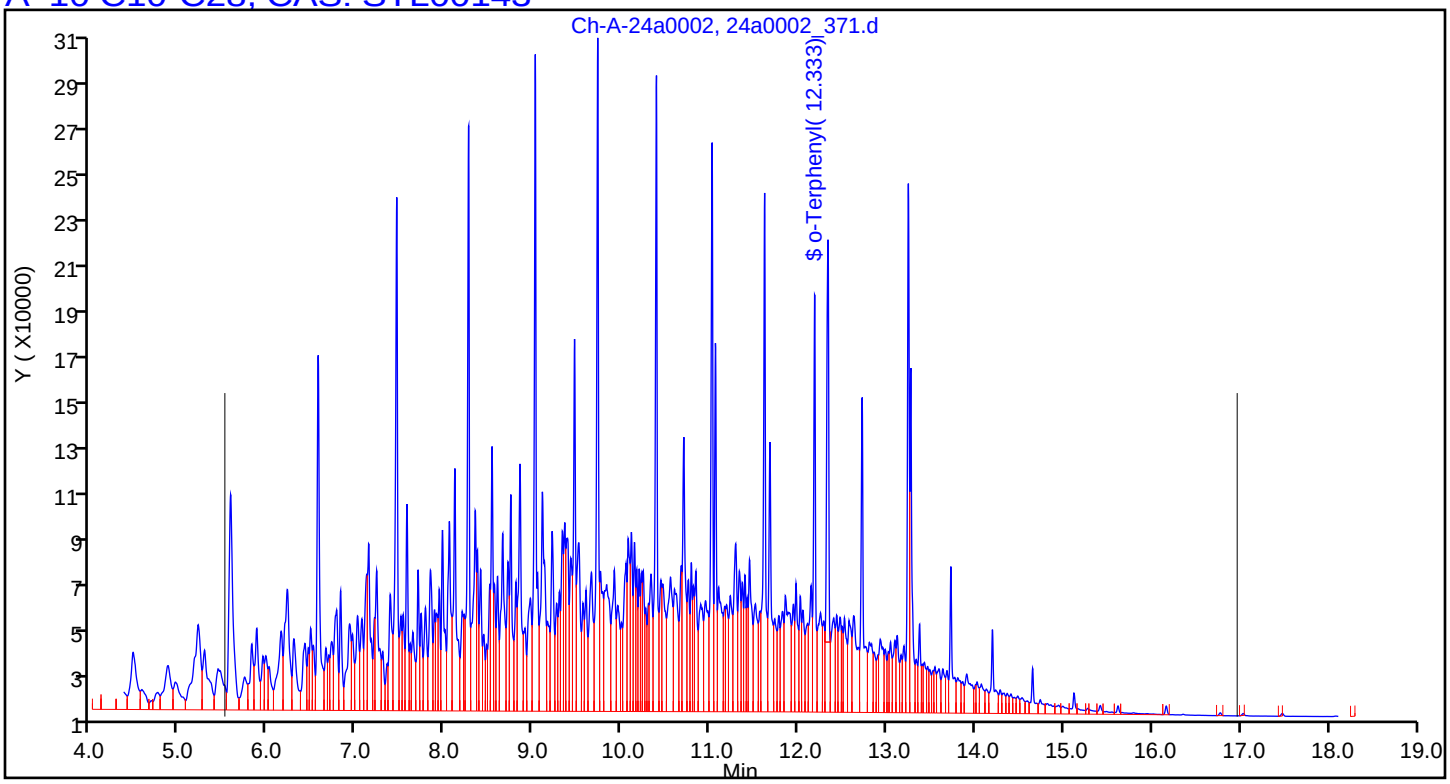


Report Date: 10-Feb-2022 06:30:08 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_371.d				
Injection Date:	09-Feb-2022 11:51:38	Instrument ID:	HP5890-24		
Lims ID:	std5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Lims ID:	std6				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	09-Feb-2022 12:27:25	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:	chrom-24-8015DRO*sub17				
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	10-Feb-2022 06:30:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1683				
First Level Reviewer: NearyM		Date:	09-Feb-2022 13:16:55		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		58873152	NC	NC	a
A 10 C10-C28	11.235	(5.506-16.965)		58868158	10000	12361	a
$ 28 o-Terphenyl	12.339	12.315	0.024	404859	50.0	63.2	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

DRO_OTP@200_00011	Amount Added: 125.00	Units: uL
DRO_STK_50000_00103	Amount Added: 100.00	Units: uL

Report Date: 10-Feb-2022 06:30:10 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d

Injection Date: 09-Feb-2022 12:27:25 Instrument ID: HP5890-24 Operator ID: BufTCHROM

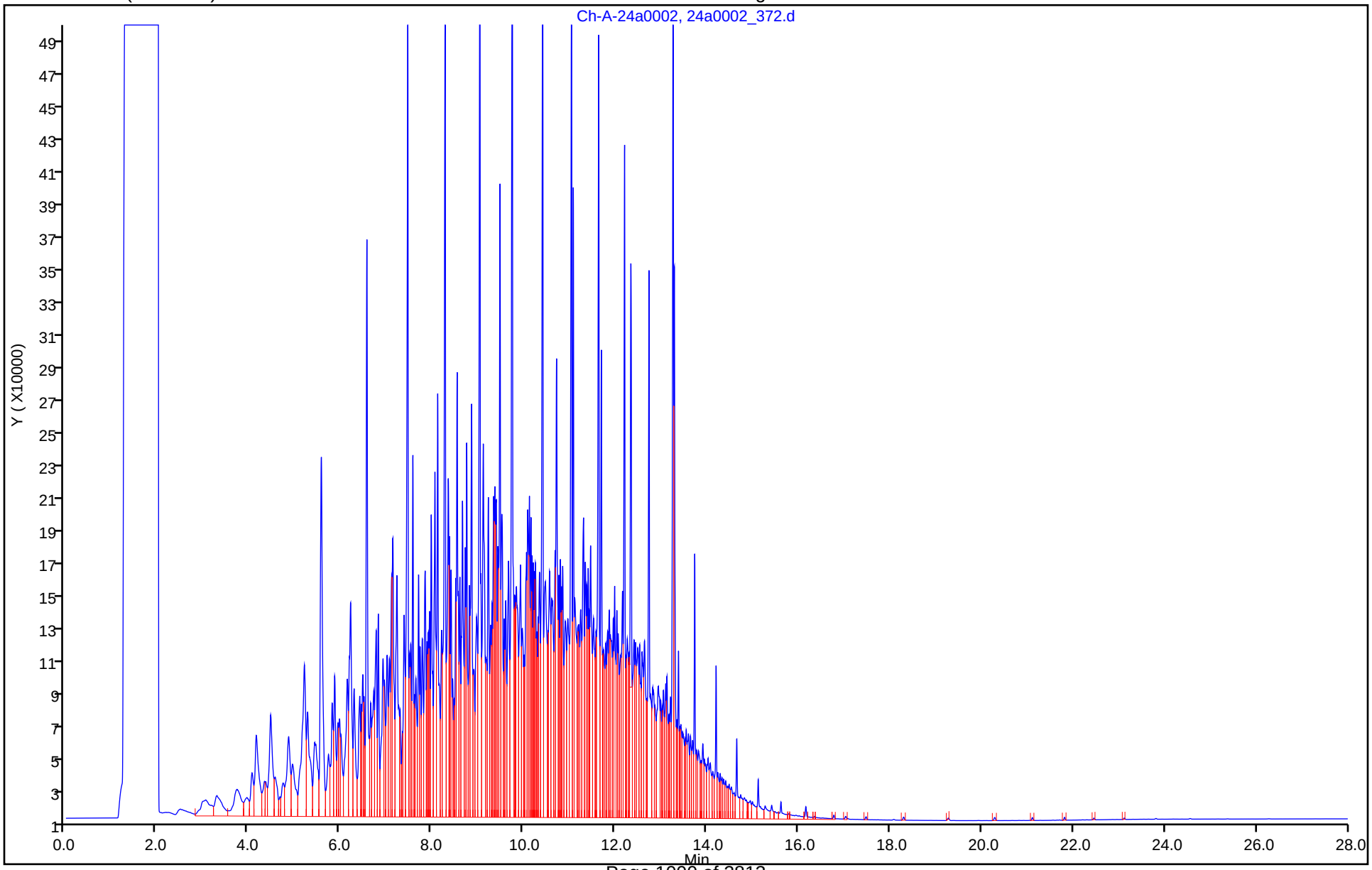
Lims ID: std6 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 24-8015DRO Limit Group: GC - 8015D DRO ICAL

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

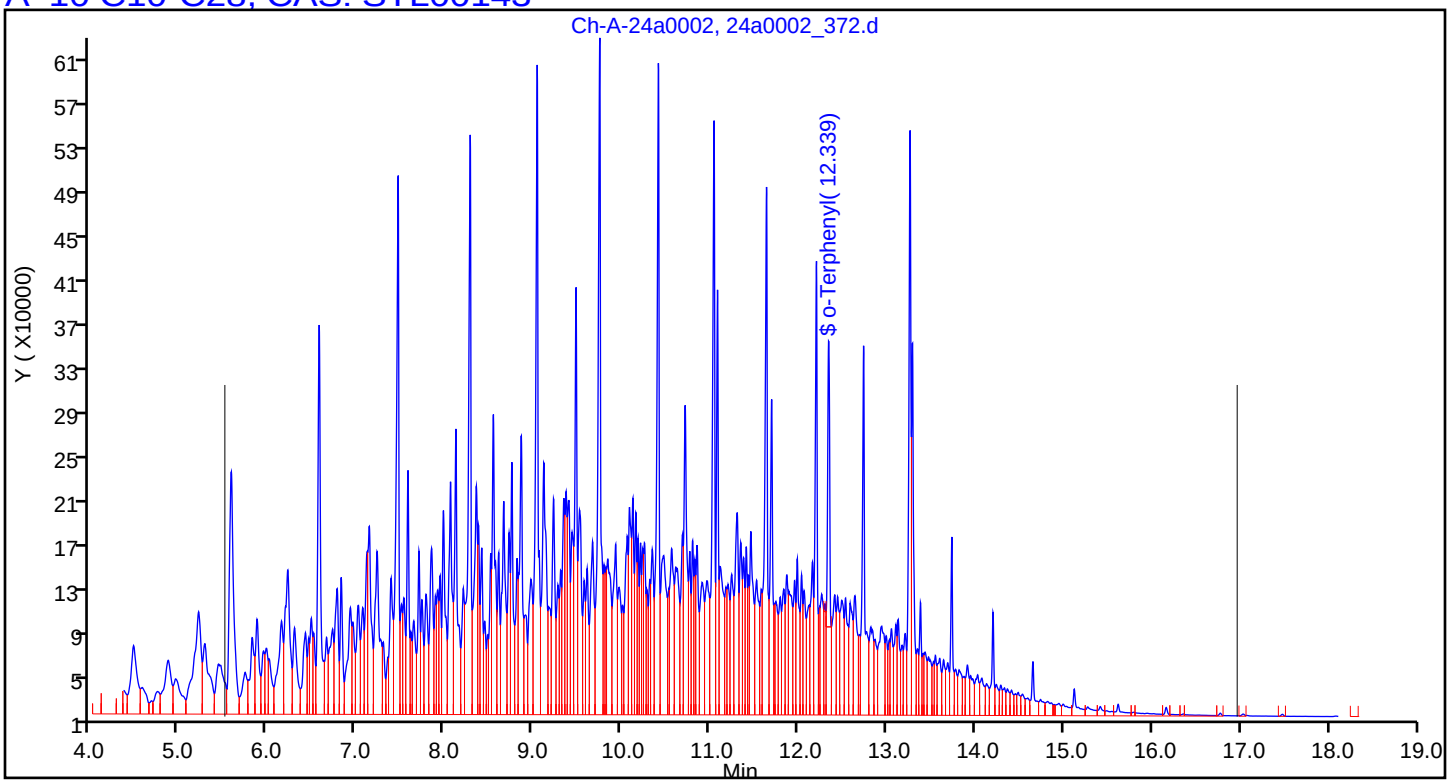


Report Date: 10-Feb-2022 06:30:10 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Injection Date:	09-Feb-2022 12:27:25	Instrument ID:	HP5890-24		
Lims ID:	std6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



Manual Integration/User Assign Peak Report

Eurofins Buffalo

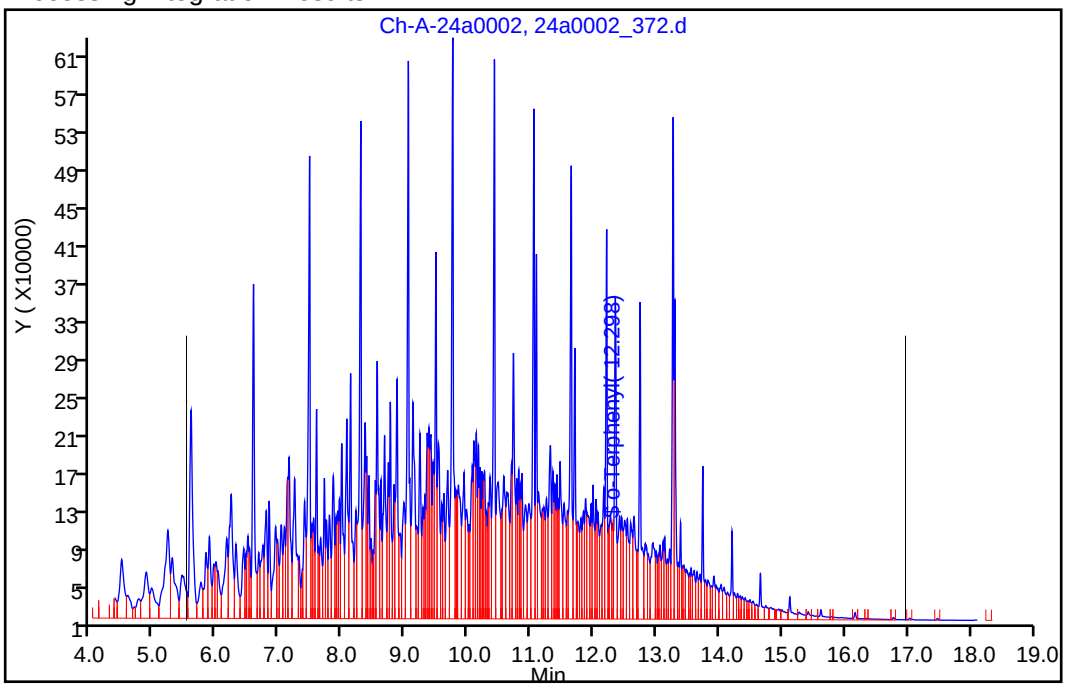
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Injection Date:	09-Feb-2022 12:27:25	Instrument ID:	HP5890-24		
Lims ID:	std6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, RT: 11.235, CAS: STL00143

Signal: 1

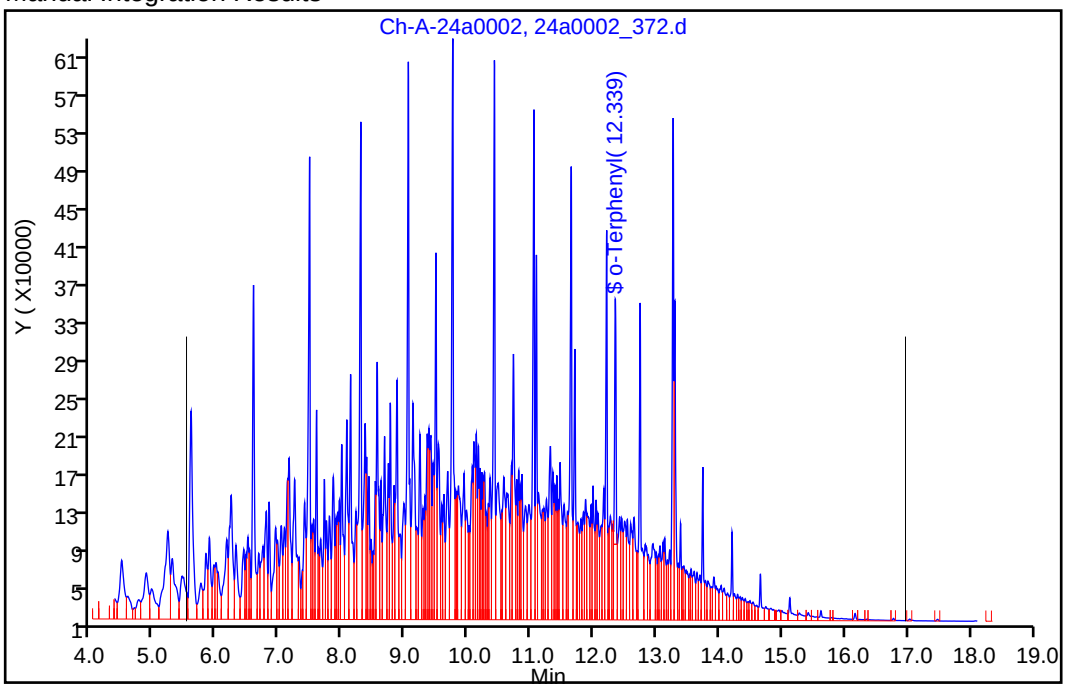
Processing Integration Results

RT: 11.24
Response: 59266626
Amount: 12427



Manual Integration Results

RT: 11.24
Response: 58868158
Amount: 12361



Reviewer: NearyM, 09-Feb-2022 13:16:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

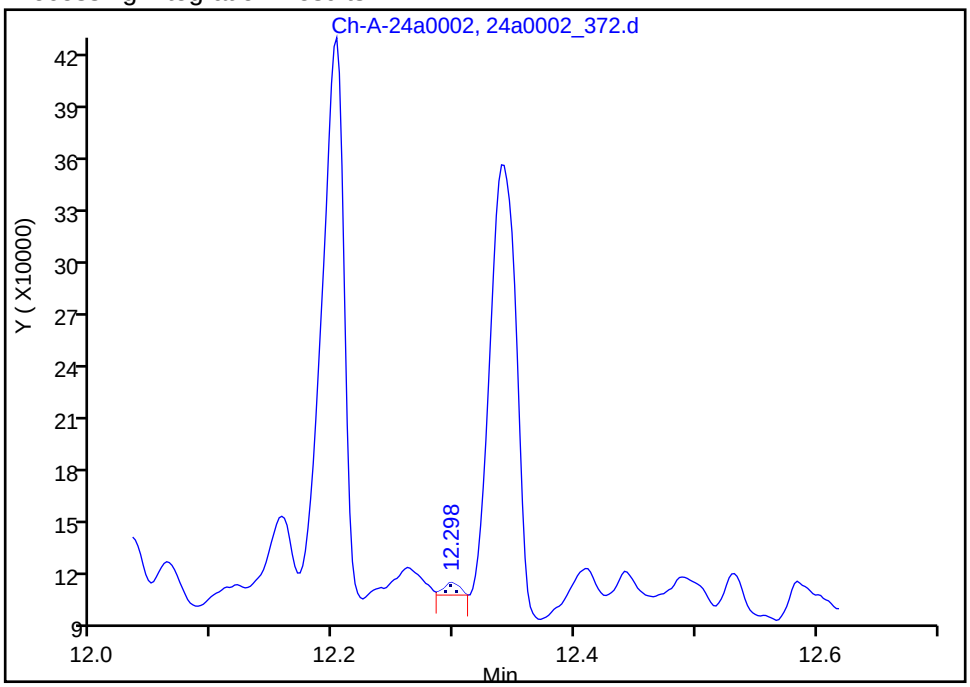
Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Injection Date:	09-Feb-2022 12:27:25	Instrument ID:	HP5890-24		
Lims ID:	std6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

$ 28 o-Terphenyl, CAS: 84-15-1

Signal: 1

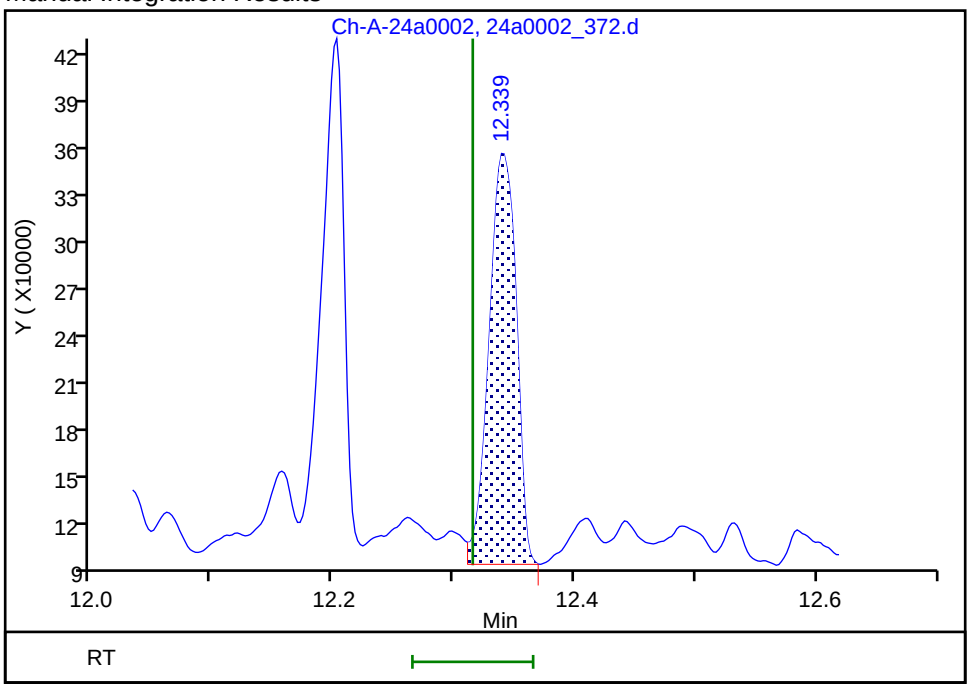
Processing Integration Results

RT: 12.30
Area: 6391
Amount: 1.257914
Amount Units: ng/ul



Manual Integration Results

RT: 12.34
Area: 404859
Amount: 63.171746
Amount Units: ng/ul



Reviewer: NearyM, 09-Feb-2022 13:16:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / C10-C28

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

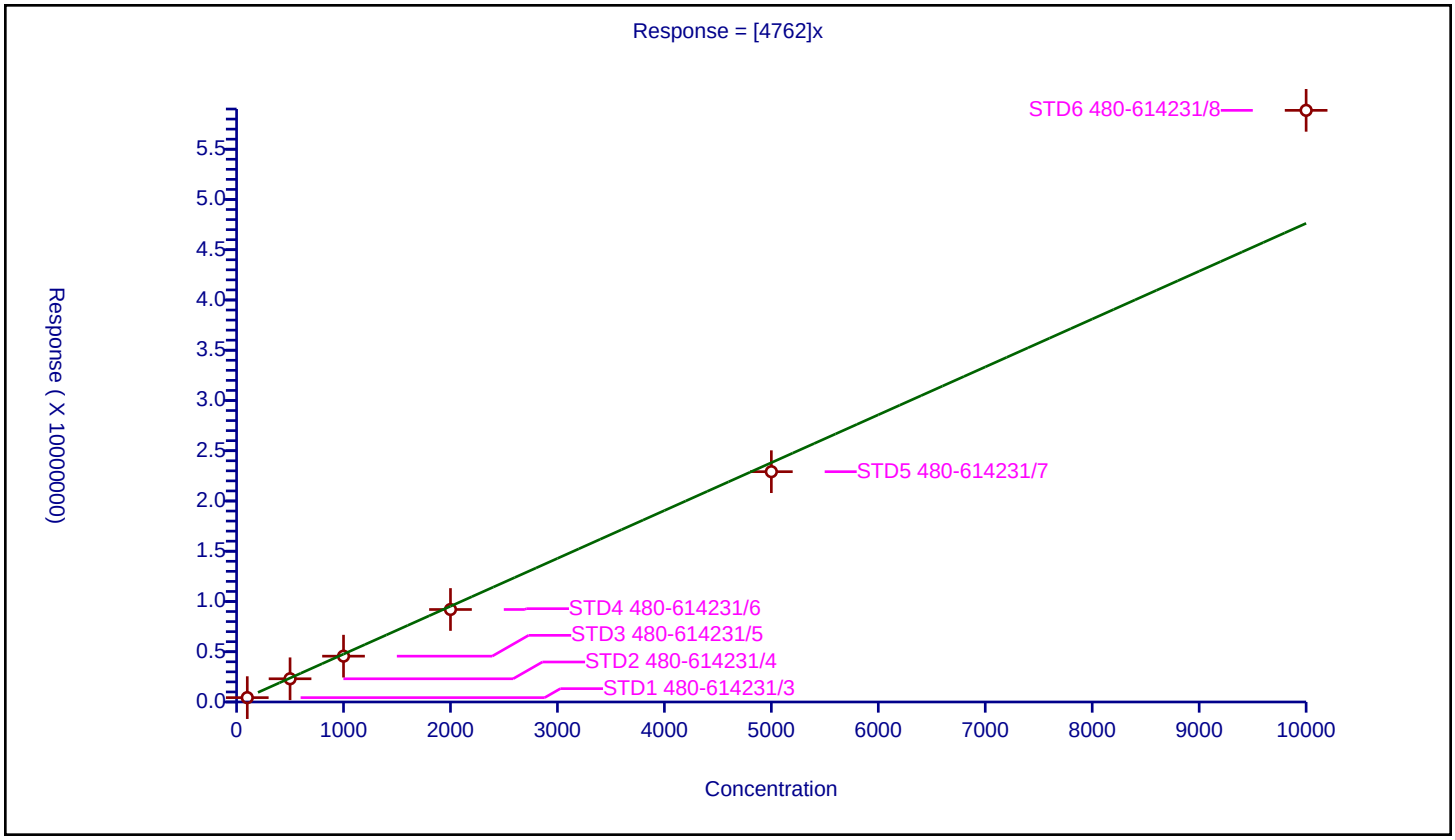
Curve Coefficients

Intercept:	0
Slope:	4762

Error Coefficients

Standard Error:	5050000
Relative Standard Error:	11.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD1 480-614231/3	100.0	432573.0			4325.73	Y
2	STD2 480-614231/4	500.0	2308936.0			4617.872	Y
3	STD3 480-614231/5	1000.0	4559460.0			4559.46	Y
4	STD4 480-614231/6	2000.0	9202889.0			4601.4445	Y
5	STD5 480-614231/7	5000.0	22915957.0			4583.1914	Y
6	STD6 480-614231/8	10000.0	58868158.0			5886.8158	Y



Calibration / o-Terphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

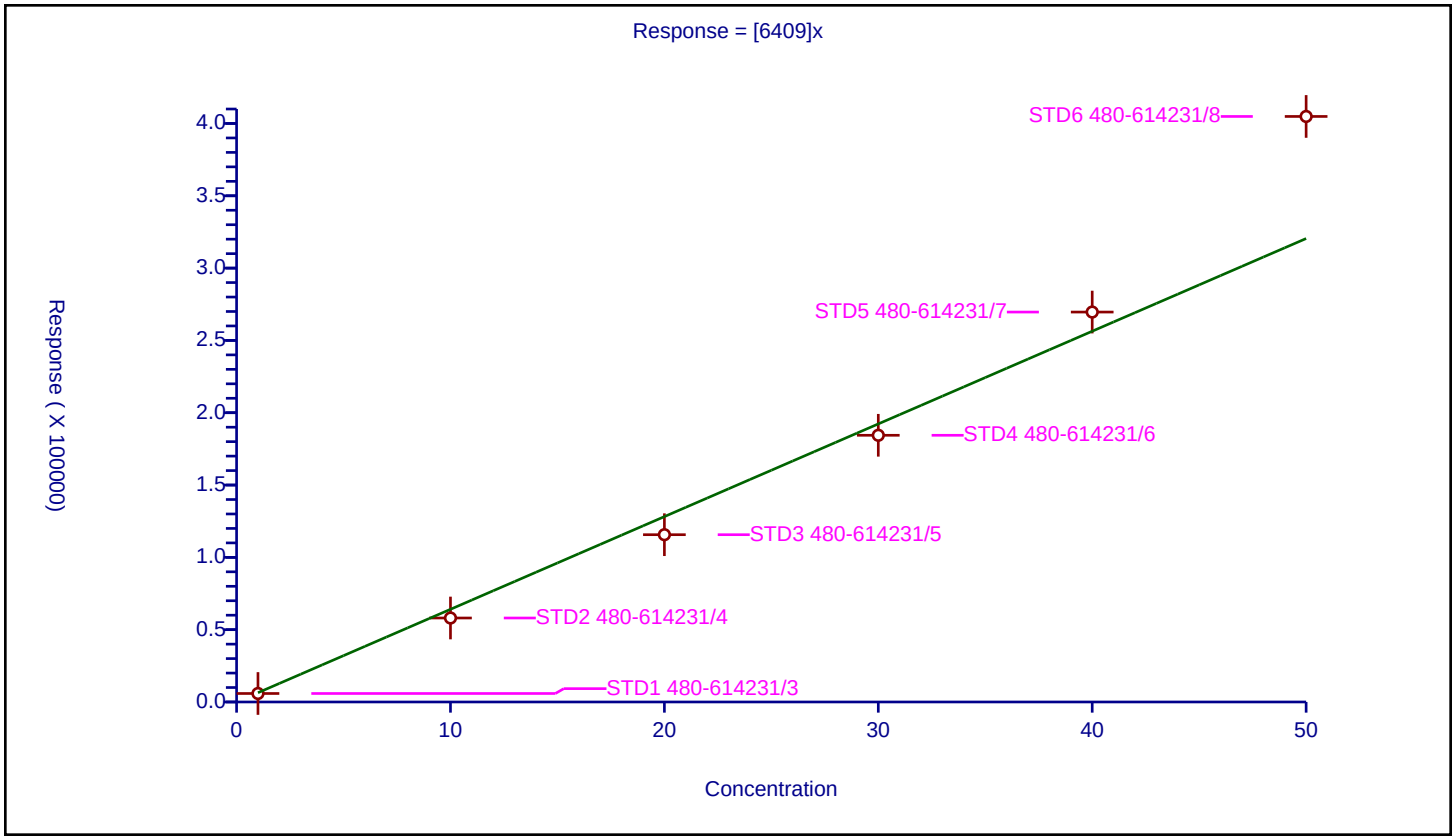
Curve Coefficients

Intercept:	0
Slope:	6409

Error Coefficients

Standard Error:	38900
Relative Standard Error:	14.1
Correlation Coefficient:	0.970
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD1 480-614231/3	1.0	5879.0			5879.0	Y
2	STD2 480-614231/4	10.0	58063.0			5806.3	Y
3	STD3 480-614231/5	20.0	115665.0			5783.25	Y
4	STD4 480-614231/6	30.0	184418.0			6147.266667	Y
5	STD5 480-614231/7	40.0	269607.0			6740.175	Y
6	STD6 480-614231/8	50.0	404859.0			8097.18	Y



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-614231/9 Calibration Date: 02/09/2022 13:57

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0002_373.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	4762	4591		1930	2000	-3.6	20.0

FORM VII 8015D

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-614231/9 Calibration Date: 02/09/2022 13:57

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0002_373.d

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10-C28]	11.24	5.51	16.97

Form VII 8015D

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_373.d				
Lims ID:	icv				
Client ID:					
Sample Type:	ICV				
Inject. Date:	09-Feb-2022 13:57:12	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Sublist:					
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:34:47	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				
First Level Reviewer: NearyM		Date:	09-Feb-2022 14:28:52		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.220	(5.406-17.035)		9182160	NC	NC	
A 10 C10-C28	11.235	(5.506-16.965)		9182160	2000.0	1928.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

DRO_ICV_2000_00010 Amount Added: 1.00 Units: mL

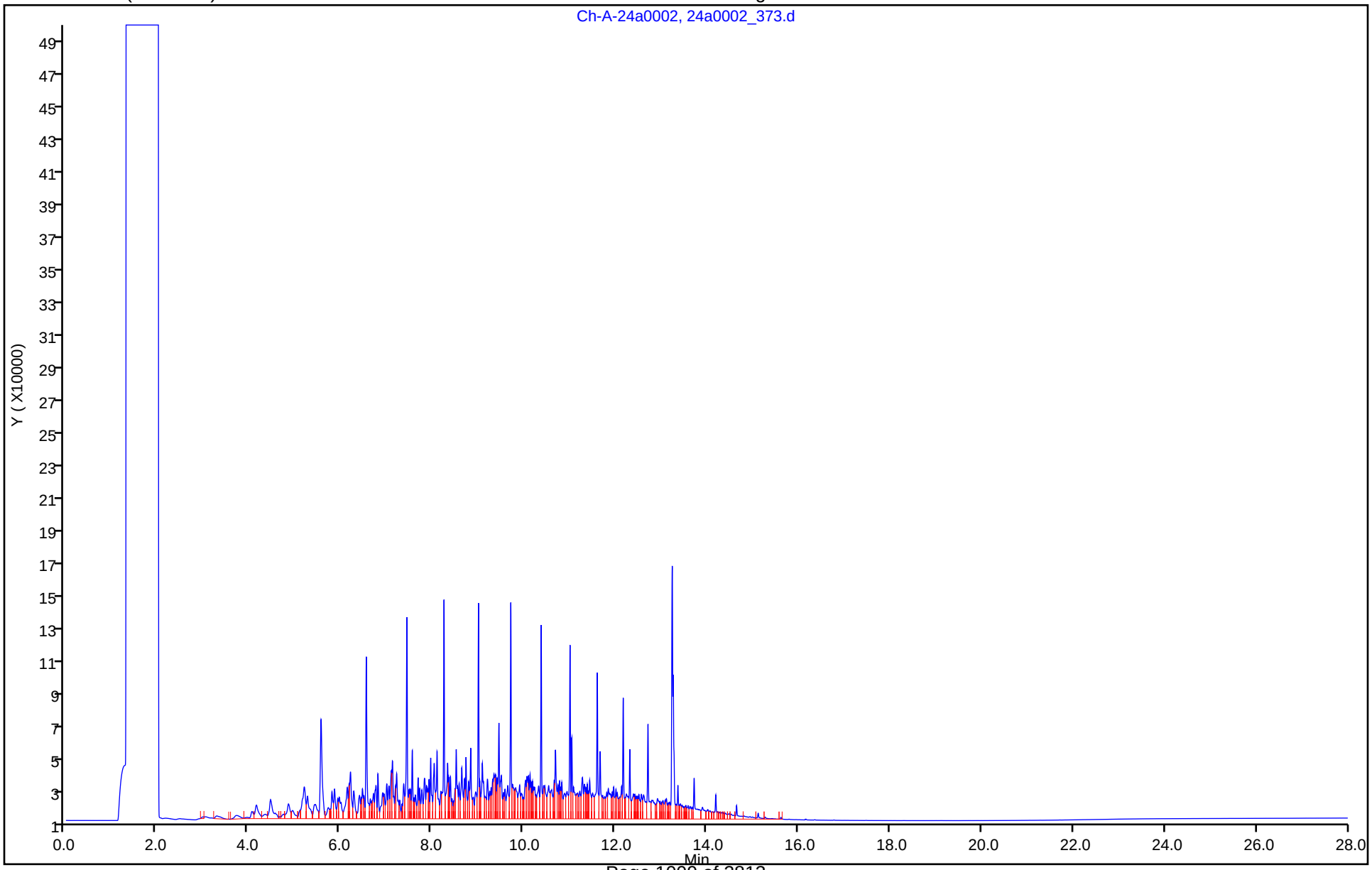
Report Date: 08-Mar-2022 06:35:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_373.d

Injection Date:	09-Feb-2022 13:57:12	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

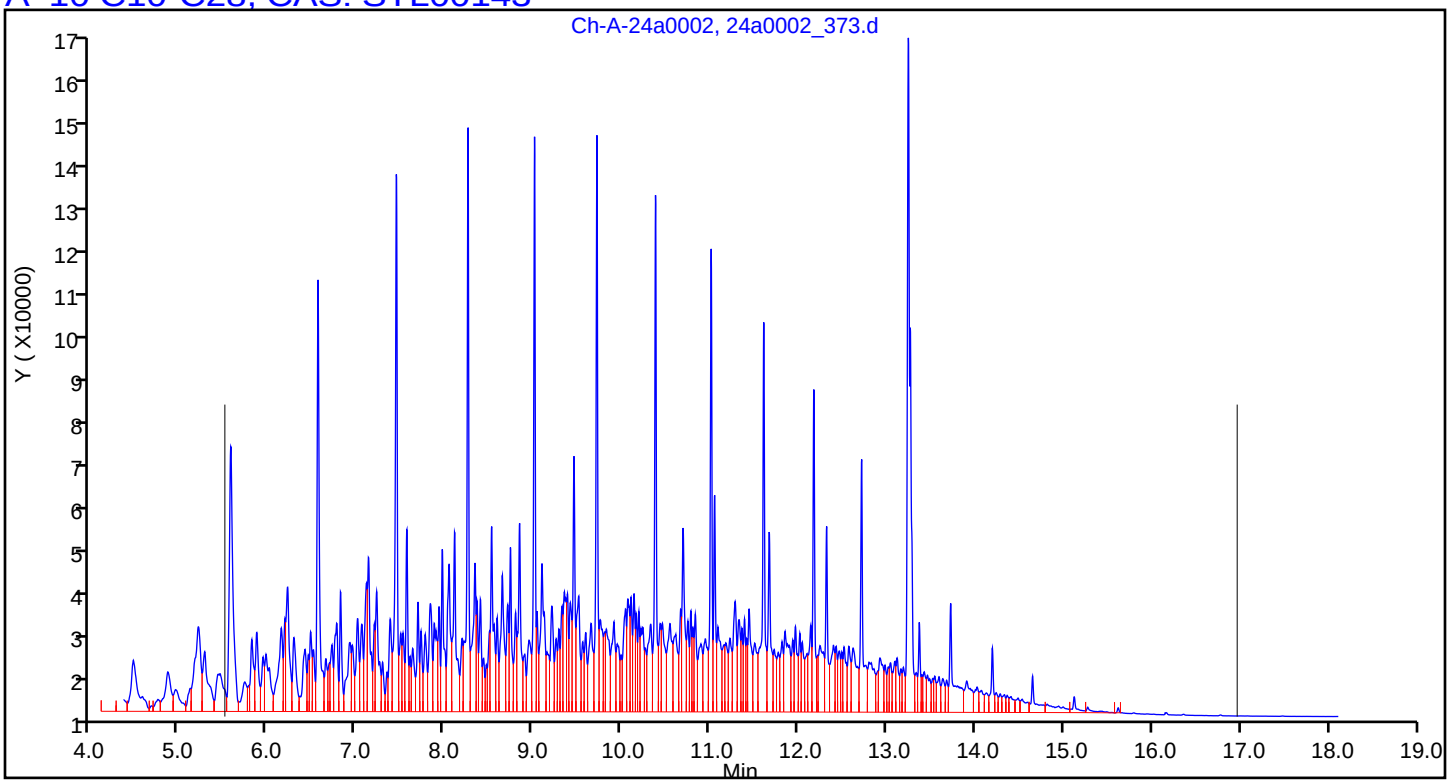


Report Date: 08-Mar-2022 06:35:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_373.d				
Injection Date:	09-Feb-2022 13:57:12	Instrument ID:	HP5890-24		
Lims ID:	icv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-616986/2 Calibration Date: 03/07/2022 12:03

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0003_159.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	4762	4351		1830	2000	-8.6	20.0
o-Terphenyl	Ave	6409	5274		24.7	30.0	-17.7	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-616986/2 Calibration Date: 03/07/2022 12:03

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0003_159.d

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10-C28]	11.41	5.53	17.30
o-Terphenyl	12.31	12.27	12.37

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_159.d
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 12:03:22 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-24
Sublist: chrom-24-8015DRO*sub17

Method: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m
Limit Group: GC - 8015D DRO ICAL
Method Label: 8015 DRO
Last Update: 08-Mar-2022 06:12:10 Calib Date: 09-Feb-2022 12:27:25
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-24a11216
Process Host: CTX1652

First Level Reviewer: NearyM Date: 07-Mar-2022 12:34:43

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.399	(5.432-17.366)		8744090	NC	NC	
A 10 C10-C28	11.414	(5.532-17.296)		8702127	2000.0	1827.2	
$ 28 o-Terphenyl	12.313	12.315	-0.002	158225	30.0	24.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

DRO_#2 w Surr_00188 Amount Added: 1.00 Units: mL

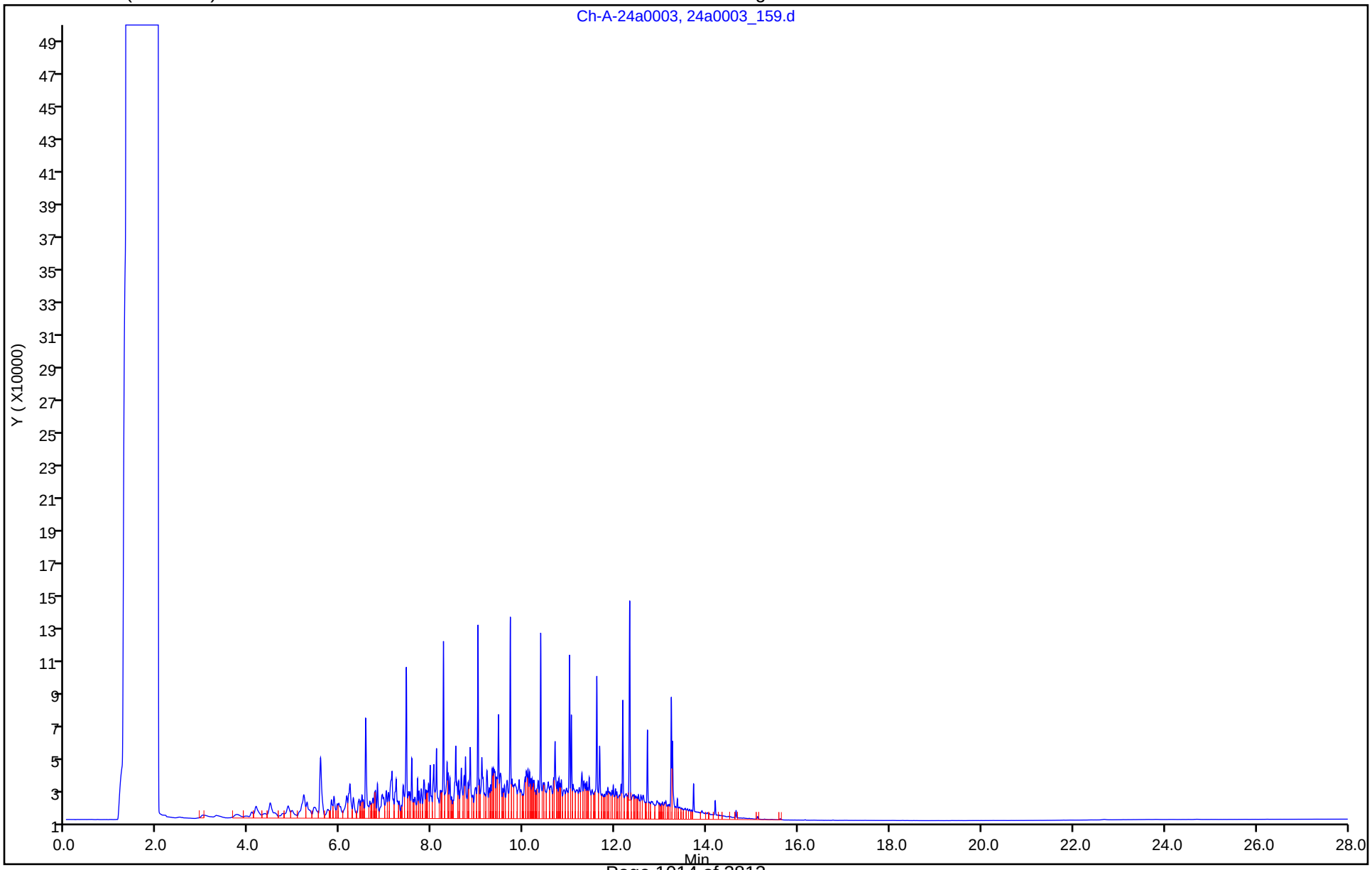
Report Date: 08-Mar-2022 06:12:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_159.d

Injection Date:	07-Mar-2022 12:03:22	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

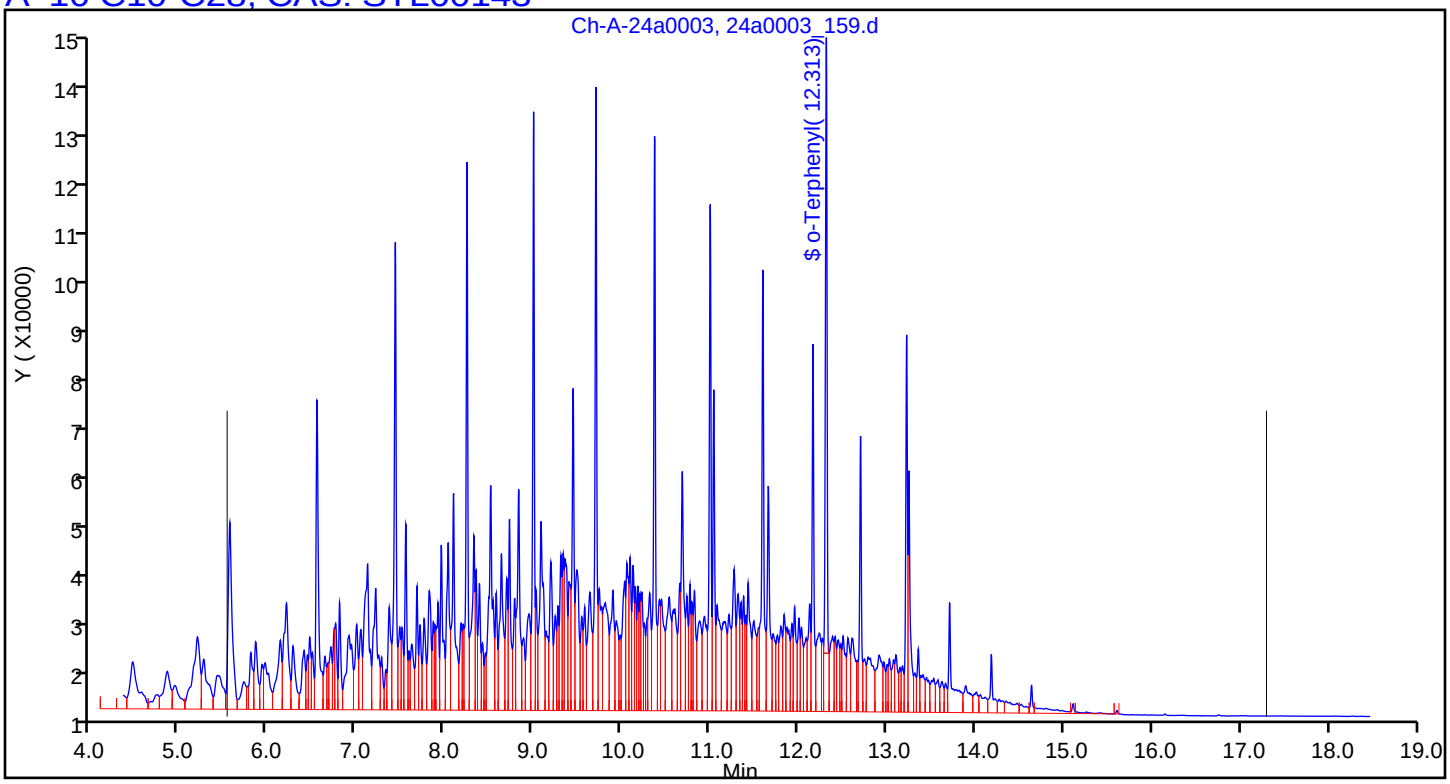


Report Date: 08-Mar-2022 06:12:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_159.d				
Injection Date:	07-Mar-2022 12:03:22	Instrument ID:	HP5890-24		
Lims ID:	ccv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-616986/8 Calibration Date: 03/07/2022 15:39

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0003_165.d Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	4762	4513		1900	2000	-5.2	20.0
o-Terphenyl	Ave	6409	5605		26.2	30.0	-12.5	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-616986/8 Calibration Date: 03/07/2022 15:39

Instrument ID: HP5890-24 Calib Start Date: 02/09/2022 09:28

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/09/2022 12:27

Lab File ID: 24a0003_165.d

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10-C28]	11.41	5.53	17.30
o-Terphenyl	12.32	12.27	12.37

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_165.d
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:39:17 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-24
Sublist: chrom-24-8015DRO*sub17

Method: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m
Limit Group: GC - 8015D DRO ICAL
Method Label: 8015 DRO
Last Update: 08-Mar-2022 06:12:29 Calib Date: 09-Feb-2022 12:27:25
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-24a11216
Process Host: CTX1652

First Level Reviewer: NearyM Date: 08-Mar-2022 06:12:26

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.399	(5.432-17.366)		9071479	NC	NC	
A 10 C10-C28	11.414	(5.532-17.296)		9026030	2000.0	1895.3	
$ 28 o-Terphenyl	12.315	12.315	0.000	168150	30.0	26.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

DRO_#2 w Surr_00188 Amount Added: 1.00 Units: mL

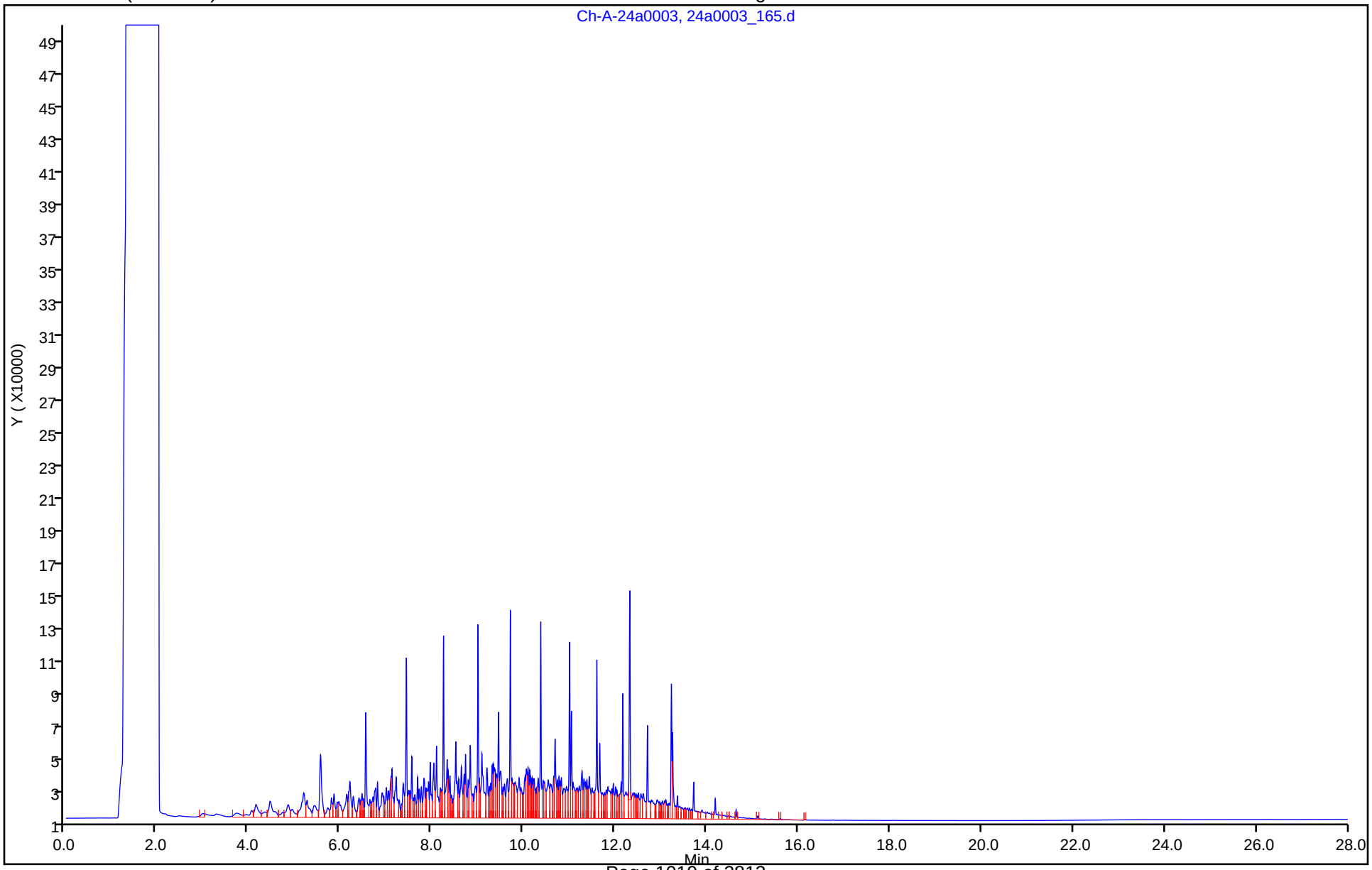
Report Date: 08-Mar-2022 06:12:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_165.d

Injection Date:	07-Mar-2022 15:39:17	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value

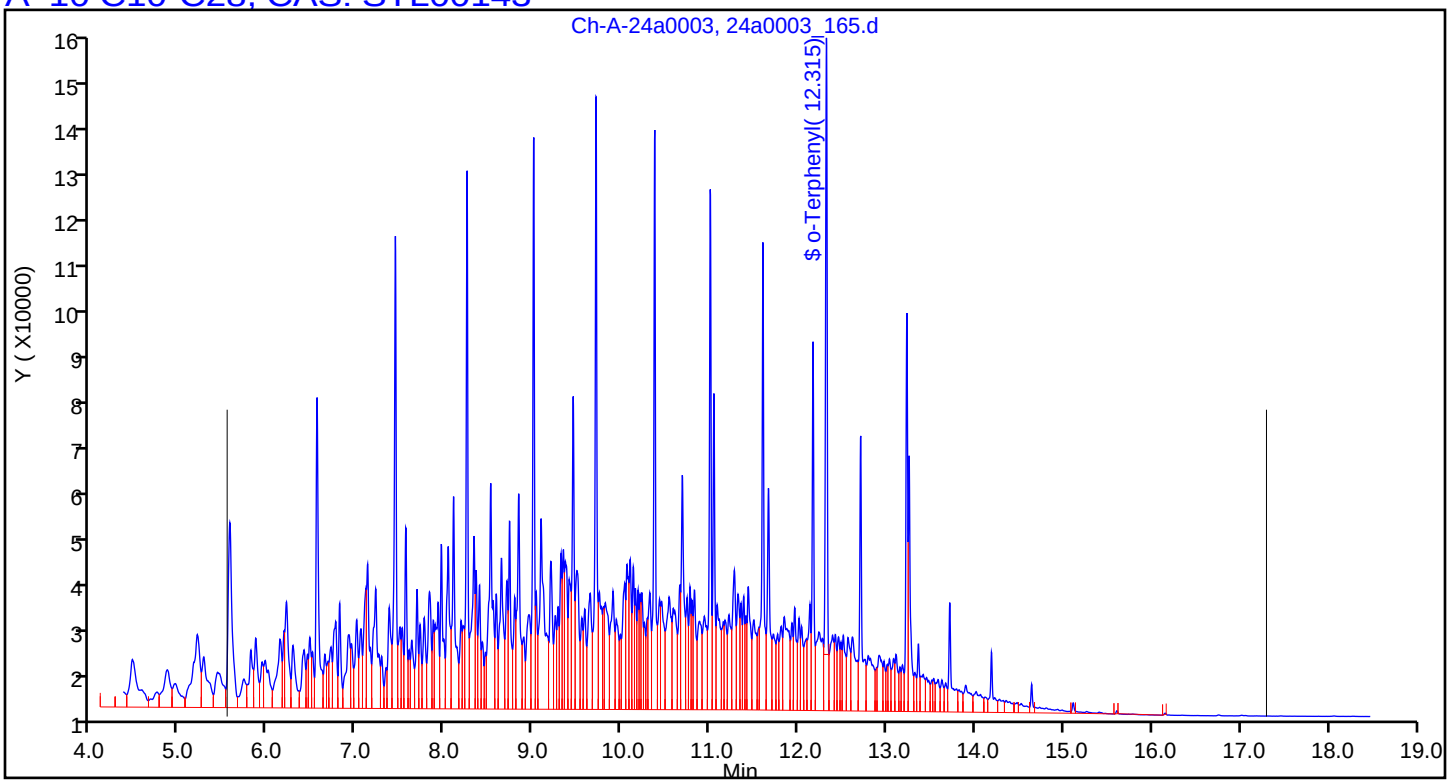


Report Date: 08-Mar-2022 06:12:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_165.d				
Injection Date:	07-Mar-2022 15:39:17	Instrument ID:	HP5890-24		
Lims ID:	ccv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-616939/1-A
Matrix: Solid
Lab File ID: 24a0003_162.d
Analysis Method: 8015D
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 09:00
Sample wt/vol: 30.31(g)
Date Analyzed: 03/07/2022 13:51
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5
ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 616986
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	ND		16	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		48-125

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_162.d
Lims ID: MB 480-616939/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Mar-2022 13:51:14 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-24

Method: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m
Limit Group: GC - 8015D DRO ICAL
Method Label: 8015 DRO
Last Update: 08-Mar-2022 06:12:10 Calib Date: 09-Feb-2022 12:27:25
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-24a11216
Process Host: CTX1652

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
	1 n-Decane	5.614	5.603	0.011	4889		NC	
A	16 Gasoline	5.900	(2.500-9.300)		78344		NC	
A	19 Kerosene	7.950	(3.000-12.900)		107866		NC	
A	29 C10-C20	9.221	(5.532-12.911)		54944		11.5	
	23 Hexadecane	10.417	10.424	-0.007	16693		NC	
A	18 Fuel Oil #2	11.399	(5.432-17.366)		73380		NC	
A	10 C10-C28	11.414	(5.532-17.296)		73380		15.4	
A	13 Fuel Oil #4	11.500	(4.000-19.000)		122084		NC	
$	28 o-Terphenyl	12.311	12.315	-0.004	91639	20.0	14.3	
A	4 Fuel Oil #6	12.500	(4.000-21.000)		122084		NC	
A	15 Unknown Hydrocarbons	13.400	(2.800-24.000)		126302		0	
A	25 Motor Oil	17.000	(10.000-24.000)		47958		NC	
A	30 C20-C34	17.260	(12.647-21.873)		19031		4.00	
A	24 C28-C40	21.401	(16.488-26.314)		998		0.2096	

QC Flag Legend

Processing Flags
NC - Not Calibrated

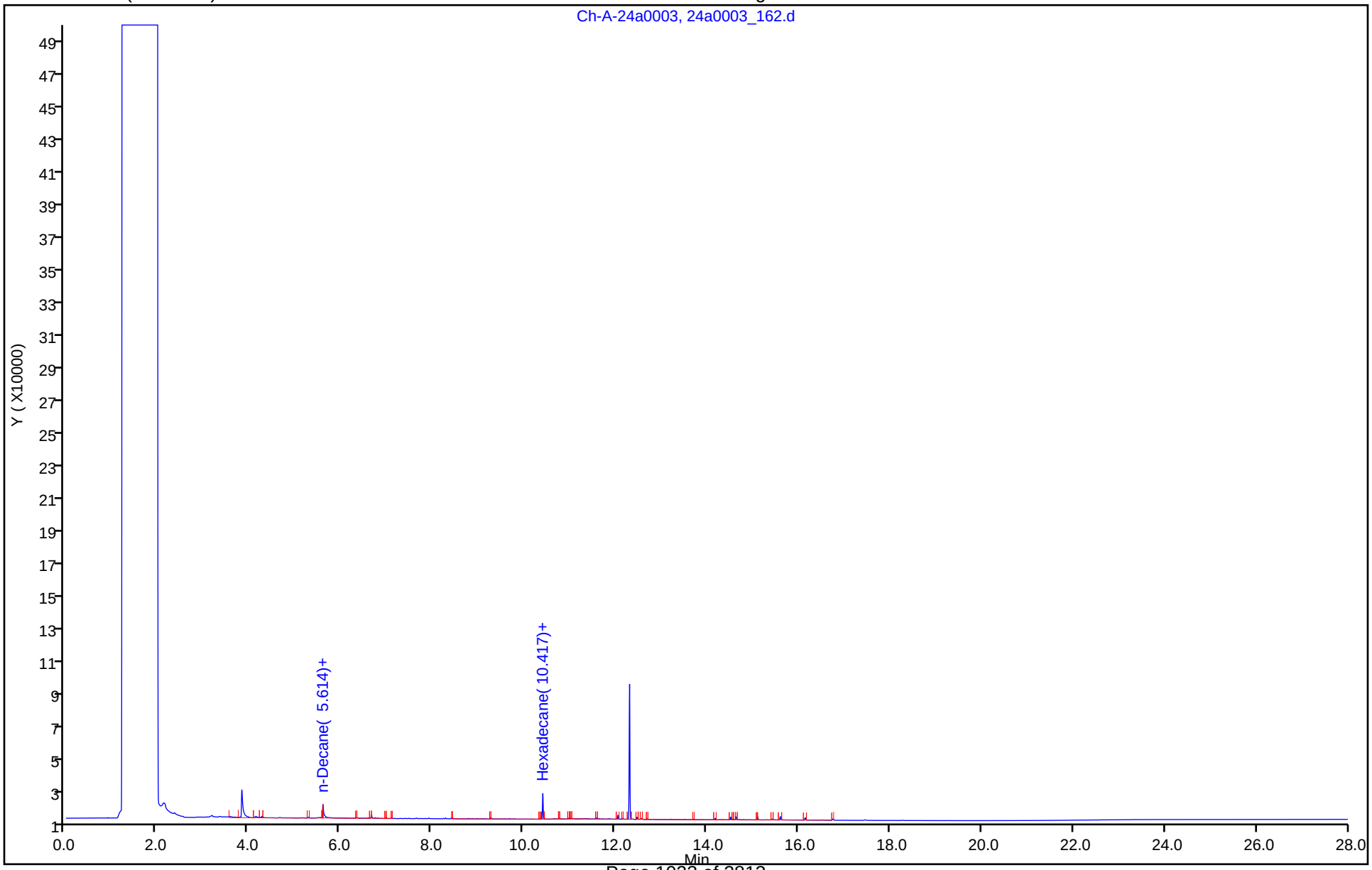
Report Date: 08-Mar-2022 06:12:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_162.d

Injection Date:	07-Mar-2022 13:51:14	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	MB 480-616939/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_162.d				
Lims ID:	MB 480-616939/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	07-Mar-2022 13:51:14	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				

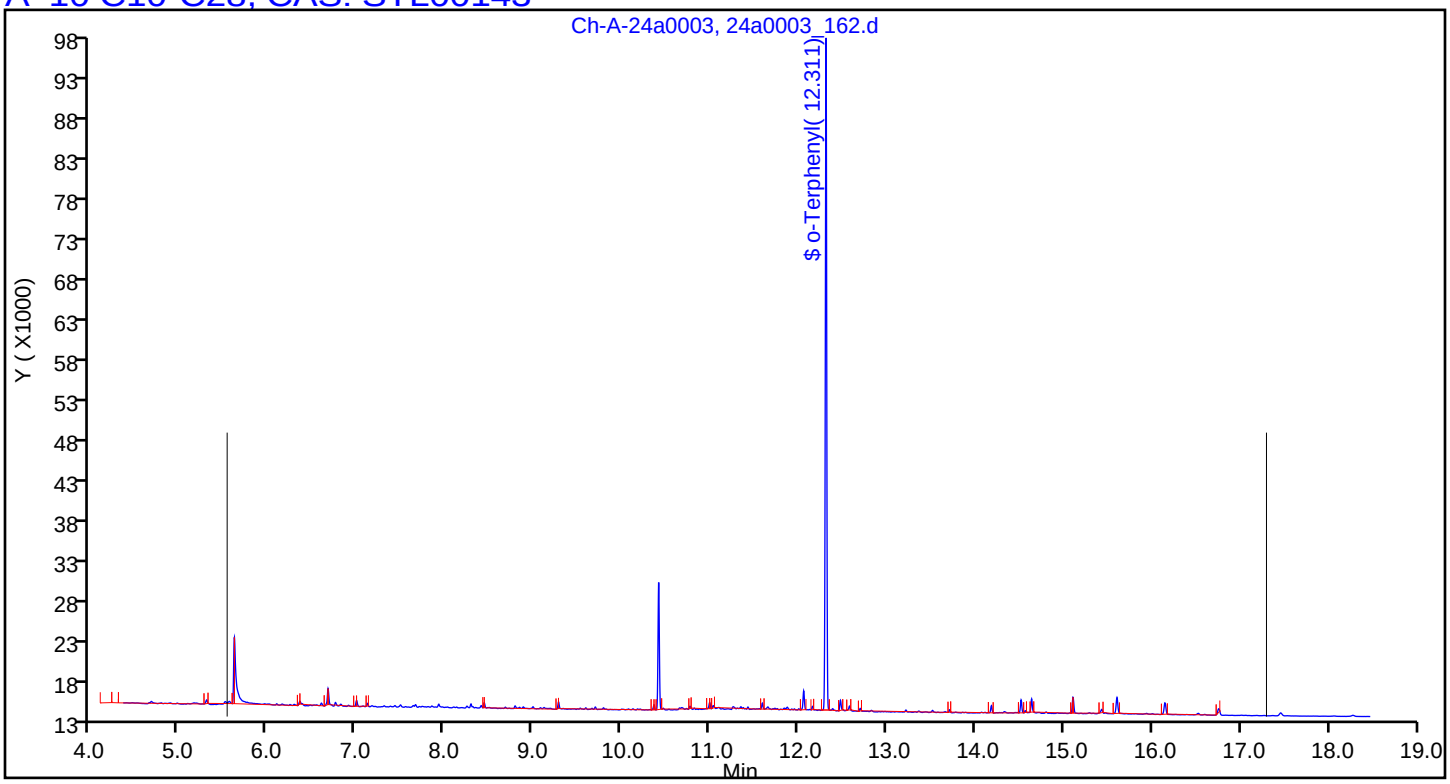
Compound	Amount Added	Amount Recovered	% Rec.
$ 28 o-Terphenyl	20.0	14.3	71.49

Report Date: 08-Mar-2022 06:12:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_162.d				
Injection Date:	07-Mar-2022 13:51:14	Instrument ID:	HP5890-24		
Lims ID:	MB 480-616939/1-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-616939/2-A
Matrix: Solid
Lab File ID: 24a0003_163.d
Analysis Method: 8015D
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 09:00
Sample wt/vol: 30.26(g)
Date Analyzed: 03/07/2022 14:27
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 616986
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	45.1		17	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	99		48-125

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_163.d				
Lims ID:	LCS 480-616939/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	07-Mar-2022 14:27:14	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.399	(5.432-17.366)		6534893	NC	NC	
A 10 C10-C28	11.414	(5.532-17.296)		6501980	1500.0	1365.3	
$ 28 o-Terphenyl	12.313	12.315	-0.002	126406	20.0	19.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

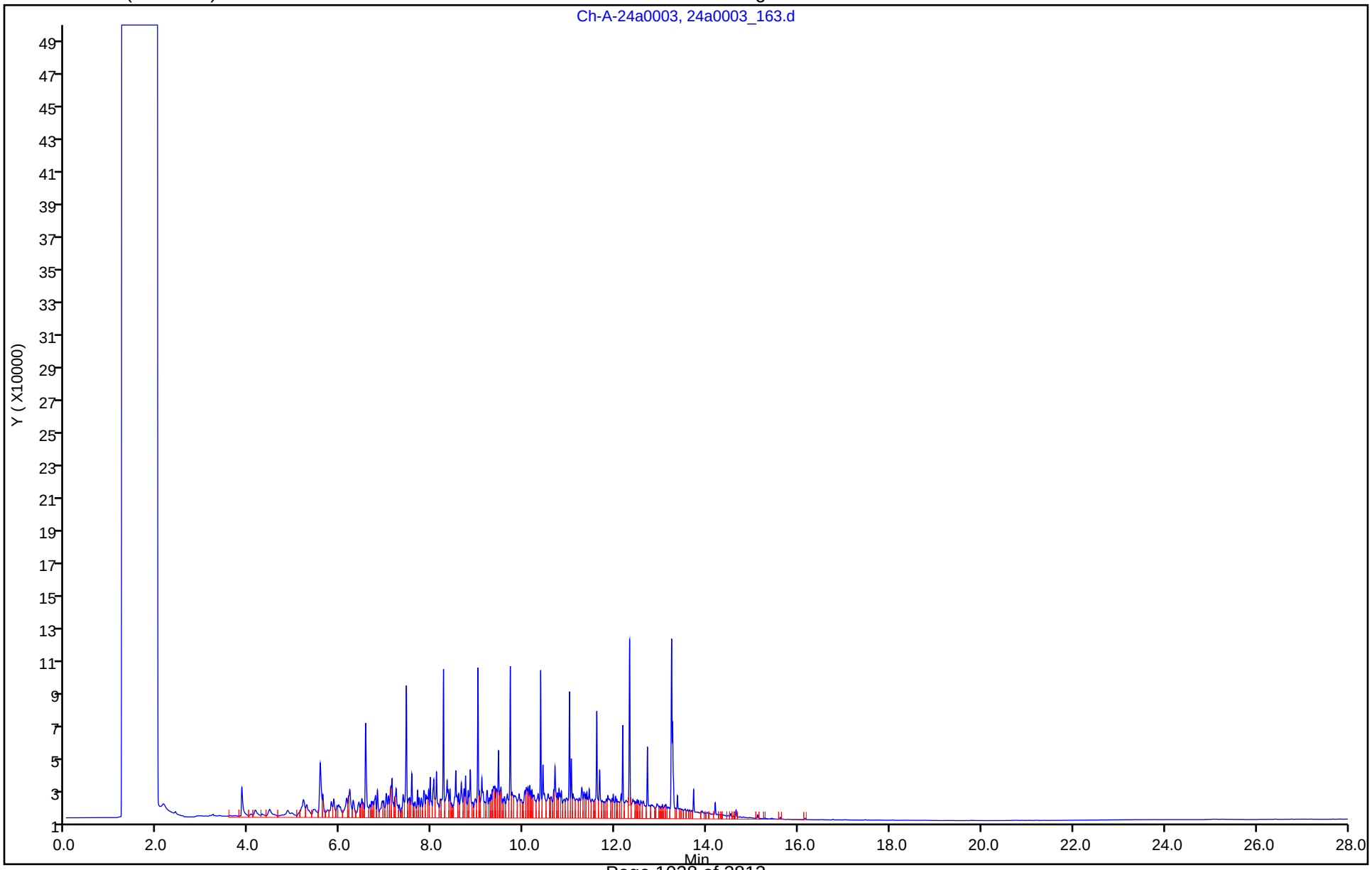
Report Date: 08-Mar-2022 06:12:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_163.d

Injection Date:	07-Mar-2022 14:27:14	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	LCS 480-616939/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_163.d				
Lims ID:	LCS 480-616939/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	07-Mar-2022 14:27:14	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				

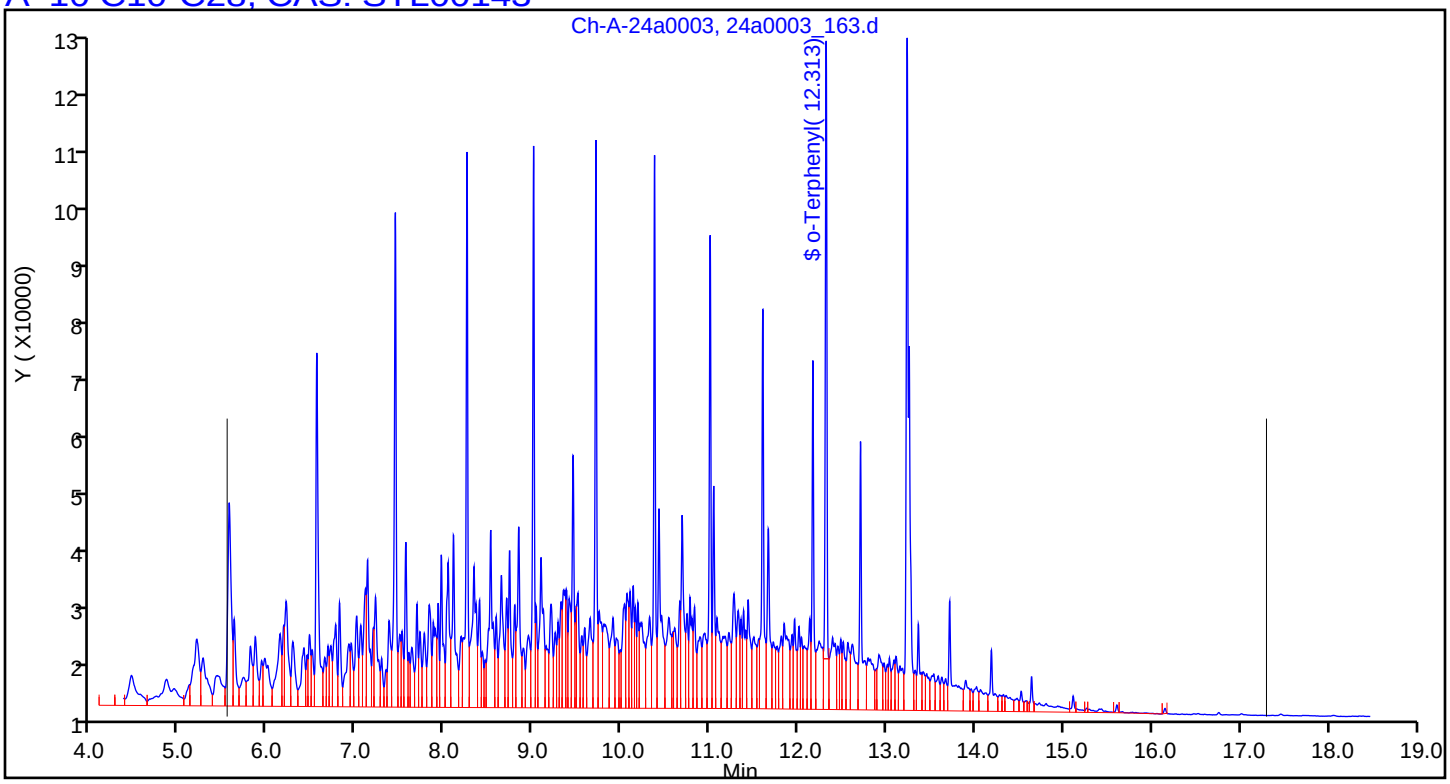
Compound	Amount Added	Amount Recovered	% Rec.
$ 28 o-Terphenyl	20.0	19.7	98.62

Report Date: 08-Mar-2022 06:12:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_163.d				
Injection Date:	07-Mar-2022 14:27:14	Instrument ID:	HP5890-24		
Lims ID:	LCS 480-616939/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-616939/3-A
Matrix: Solid
Lab File ID: 24a0003_164.d
Analysis Method: 8015D
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 09:00
Sample wt/vol: 30.58(g)
Date Analyzed: 03/07/2022 15:03
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5
ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 616986
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00143	Diesel Range Organics [C10-C28]	45.2		16	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		48-125

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_164.d				
Lims ID:	LCSD 480-616939/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	07-Mar-2022 15:03:13	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
A 18 Fuel Oil #2	11.399	(5.432-17.366)		6613565	NC	NC	
A 10 C10-C28	11.414	(5.532-17.296)		6581185	1500.0	1381.9	
$ 28 o-Terphenyl	12.311	12.315	-0.004	128042	20.0	20.0	

QC Flag Legend

Processing Flags

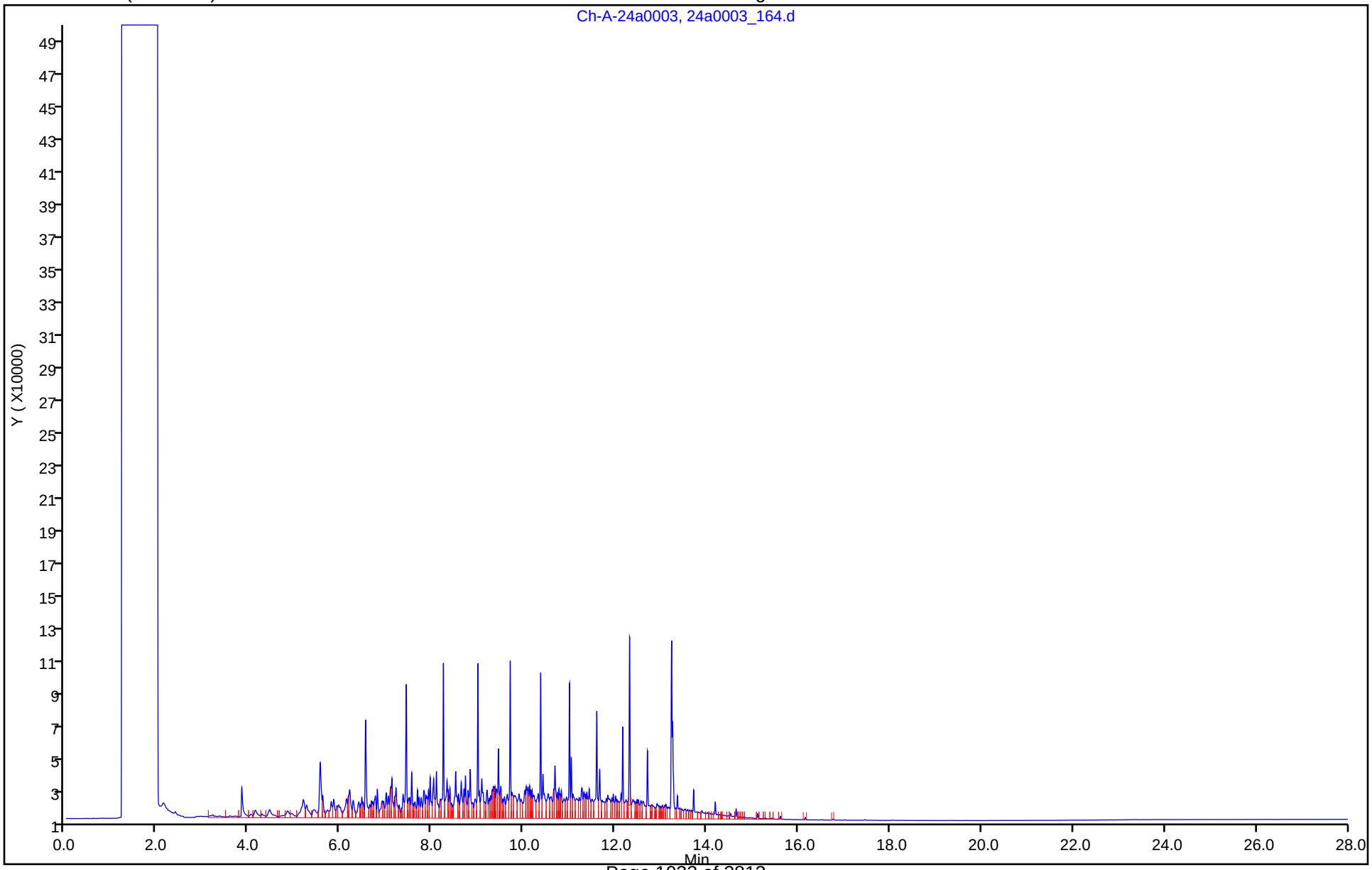
NC - Not Calibrated

Report Date: 08-Mar-2022 06:12:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_164.d				
Injection Date:	07-Mar-2022 15:03:13	Instrument ID:	HP5890-24	Operator ID:	BufTCHROM
Lims ID:	LCSD 480-616939/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_164.d				
Lims ID:	LCSD 480-616939/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	07-Mar-2022 15:03:13	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-24		
Method:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24-8015DRO.m				
Limit Group:	GC - 8015D DRO ICAL				
Method Label:	8015 DRO				
Last Update:	08-Mar-2022 06:12:10	Calib Date:	09-Feb-2022 12:27:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220209-103817.b\24a0002_372.d				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-24a11216		
Process Host:	CTX1652				

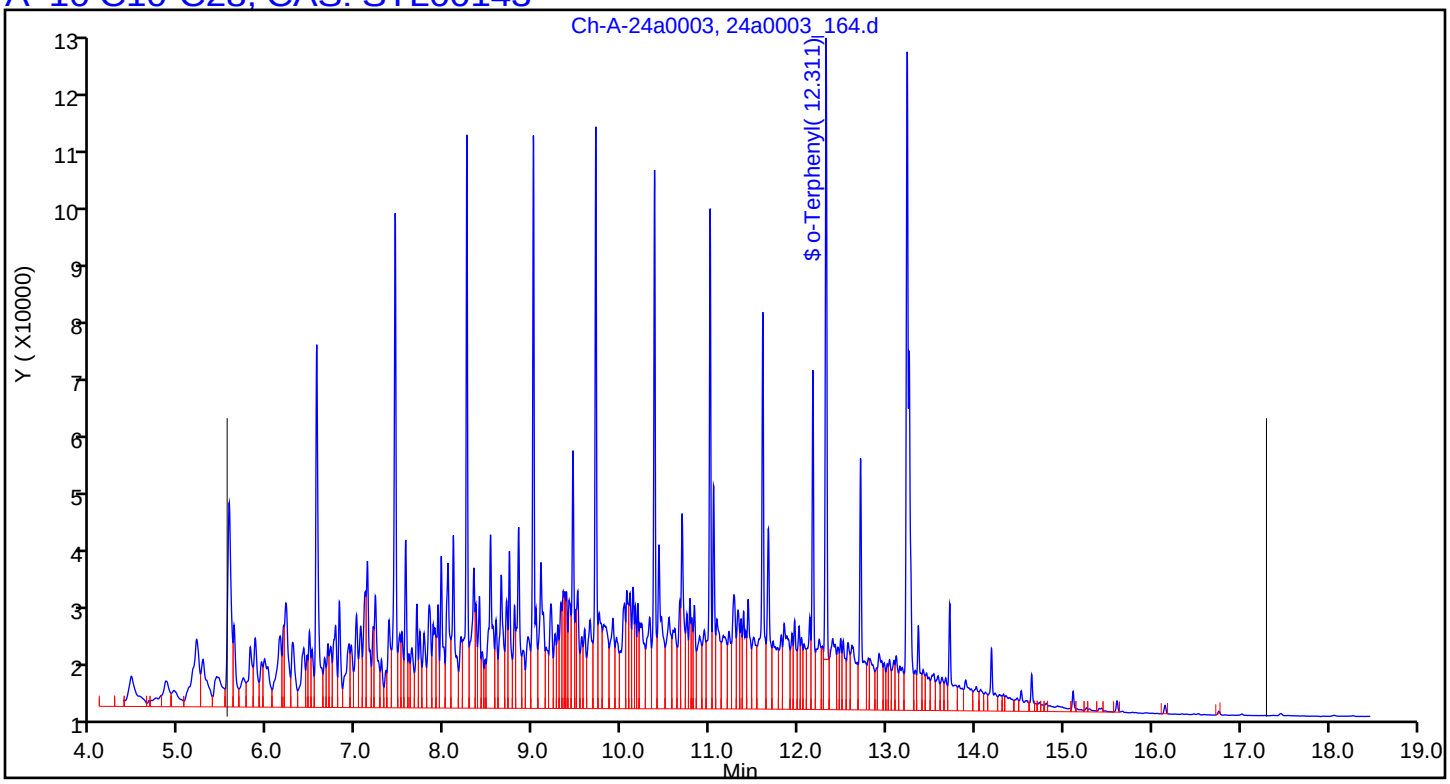
Compound	Amount Added	Amount Recovered	% Rec.
$ 28 o-Terphenyl	20.0	20.0	99.89

Report Date: 08-Mar-2022 06:12:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-24\20220307-104242.b\24a0003_164.d				
Injection Date:	07-Mar-2022 15:03:13	Instrument ID:	HP5890-24		
Lims ID:	LCSD 480-616939/3-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	24-8015DRO	Limit Group:	GC - 8015D DRO ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-24a11216		

A 10 C10-C28, CAS: STL00143



DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-24 Start Date: 02/09/2022 09:28

Analysis Batch Number: 614231 End Date: 02/09/2022 13:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-614231/3 IC		02/09/2022 09:28	1	24a0002_367.d	ZB-5 0.25(mm)
STD2 480-614231/4 IC		02/09/2022 10:04	1	24a0002_368.d	ZB-5 0.25(mm)
STD3 480-614231/5 IC		02/09/2022 10:39	1	24a0002_369.d	ZB-5 0.25(mm)
STD4 480-614231/6 IC		02/09/2022 11:15	1	24a0002_370.d	ZB-5 0.25(mm)
STD5 480-614231/7 IC		02/09/2022 11:51	1	24a0002_371.d	ZB-5 0.25(mm)
STD6 480-614231/8 IC		02/09/2022 12:27	1	24a0002_372.d	ZB-5 0.25(mm)
ICV 480-614231/9		02/09/2022 13:57	1	24a0002_373.d	ZB-5 0.25(mm)

8015D

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-24 Start Date: 03/07/2022 11:27

Analysis Batch Number: 616986 End Date: 03/07/2022 15:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 480-616986/1		03/07/2022 11:27	1		ZB-5 0.25(mm)
CCV 480-616986/2		03/07/2022 12:03	1	24a0003_159.d	ZB-5 0.25(mm)
480-195466-9	LF1	03/07/2022 12:39	1	24a0003_160.d	ZB-5 0.25(mm)
480-195466-10	LF2	03/07/2022 13:15	1	24a0003_161.d	ZB-5 0.25(mm)
MB 480-616939/1-A		03/07/2022 13:51	1	24a0003_162.d	ZB-5 0.25(mm)
LCS 480-616939/2-A		03/07/2022 14:27	1	24a0003_163.d	ZB-5 0.25(mm)
LCSD 480-616939/3-A		03/07/2022 15:03	1	24a0003_164.d	ZB-5 0.25(mm)
CCV 480-616986/8		03/07/2022 15:39	1	24a0003_165.d	ZB-5 0.25(mm)

8015D

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616939 Batch Start Date: 03/07/22 09:00 Batch Analyst: Fani, Viola X

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	O_8015DROsurr 00036	O_8015spike 00064	
MB 480-616939/1		3550C, 8015D		30.31 g	1 mL	CALC NOT SET TO RUN	1 mL		
LCS 480-616939/2		3550C, 8015D		30.26 g	1 mL	CALC NOT SET TO RUN	1 mL	1 mL	
LCSD 480-616939/3		3550C, 8015D		30.58 g	1 mL	CALC NOT SET TO RUN	1 mL	1 mL	
480-195466-F-9	LF1	3550C, 8015D	T	30.68 g	1 mL	CALC NOT SET TO RUN	1 mL		
480-195466-E-10	LF2	3550C, 8015D	T	30.49 g	1 mL	CALC NOT SET TO RUN	1 mL		

Batch Notes	
Method/Fraction	3550C/8015D_DRO
Analyst ID - Extraction	VF
Blank Matrix ID	6853214
Analyst ID - Spike Analyst	VF
Analyst ID - Spike Witness Analyst	VF
Sufficient Volume for Batch QC	No
Prep Solvent ID	6851489/ 6863160
Na2SO4 ID	6853215
Analyst ID - Concentration	VF
Vial Lot Number	300938

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 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
LF1	480-195466-9	95	73	75	74
LF2	480-195466-10	97	75	68	72
	MB 480-617096/1-A	85	68	43	46
	LB 480-616935/1-B	96	68	60	63
	LCS 480-617096/2-A	55	79	49	51
	LCSD 480-617096/3-A	83	76	39	45

	QC LIMITS
TCX = Tetrachloro-m-xylene	44-120
DCBP = DCB Decachlorobiphenyl	20-120

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25_56-088.D

Lab ID: LCS 480-617096/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
gamma-BHC (Lindane)	0.000500	0.000459	92	56-120	
Endrin	0.000500	0.000534	107	65-135	
Heptachlor	0.000500	0.000479	96	58-120	
Heptachlor epoxide	0.000500	0.000554	111	65-125	
Methoxychlor	0.000500	0.000534	107	50-150	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25_56-089.D

Lab ID: LCSD 480-617096/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
gamma-BHC (Lindane)	0.000500	0.000456	91	1	24	56-120	
Endrin	0.000500	0.000515	103	4	24	65-135	
Heptachlor	0.000500	0.000499	100	4	25	58-120	
Heptachlor epoxide	0.000500	0.000537	107	3	23	65-125	
Methoxychlor	0.000500	0.000532	106	0	26	50-150	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: MB 480-617096/1-A

Matrix: Water Date Extracted: 03/08/2022 09:48

Lab File ID:(1) 25_56-087.D Lab File ID:(2) 25_56-087.D

Date Analyzed:(1) 03/09/2022 09:41 Date Analyzed:(2) 03/09/2022 09:41

Instrument ID:(1) HP6890-25 Instrument ID:(2) HP6890-25

GC Column:(1) RTX-CLPI ID: 0.53(mm) GC Column:(2) RTX-CLPII 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 480-617096/2-A	03/09/2022 10:00	03/09/2022 10:00
	LCSD 480-617096/3-A	03/09/2022 10:20	03/09/2022 10:20
	LB 480-616935/1-B	03/09/2022 11:19	03/09/2022 11:19
LF1	480-195466-9	03/09/2022 11:58	03/09/2022 11:58
LF2	480-195466-10	03/09/2022 12:18	03/09/2022 12:18

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: STD3 480-609962/7 Date Analyzed: 12/23/2021 10:06

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm)

Lab File ID (Standard): 25_53-398.D Heated Purge: (Y/N) N

Calibration ID: 42901

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		81568288	1.97				
UPPER LIMIT		163136576	2.47				
LOWER LIMIT		40784144	1.47				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-609962/10		77016675	1.98				
ICV 480-609962/16		81448126	1.98				
ICV 480-609962/22		78678902	1.98				
CCVIS 480-617227/5		89859364	1.91				

BNB = 1-Bromo-2-nitrobenzene

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 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: STD3 480-609962/7 Date Analyzed: 12/23/2021 10:06

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): 25_53-398.D Heated Purge: (Y/N) N

Calibration ID: 42902

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		30078829	2.20				
UPPER LIMIT		60157658	2.70				
LOWER LIMIT		15039415	1.70				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-609962/10		28860128	2.20				
ICV 480-609962/16		29702691	2.20				
ICV 480-609962/22		28557098	2.20				
CCVIS 480-617227/5		27988155	2.14				

BNB = 1-Bromo-2-nitrobenzene

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 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617227/5 Date Analyzed: 03/09/2022 08:22

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm)

Lab File ID (Standard): 25_56-083.D Heated Purge: (Y/N) N

Calibration ID: 42925

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		89859364	1.91				
UPPER LIMIT		179718728	2.41				
LOWER LIMIT		44929682	1.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-617227/6		92195837	1.91				
CCV 480-617227/7		98296375	1.91				
MB 480-617096/1-A		86090566	1.91				
LCS 480-617096/2-A		80721166	1.91				
LCSD 480-617096/3-A		87552713	1.91				
LB 480-616935/1-B		86183620	1.91				
480-195466-9	LF1	82995098	1.91				
480-195466-10	LF2	85362424	1.91				

BNB = 1-Bromo-2-nitrobenzene

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 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617227/5 Date Analyzed: 03/09/2022 08:22

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): 25_56-083.D Heated Purge: (Y/N) N

Calibration ID: 42926

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		27988155	2.14				
UPPER LIMIT		55976310	2.64				
LOWER LIMIT		13994078	1.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-617227/6		28934450	2.14				
CCV 480-617227/7		30437269	2.14				
MB 480-617096/1-A		28086535	2.14				
LCS 480-617096/2-A		26395803	2.13				
LCSD 480-617096/3-A		28377272	2.13				
LB 480-616935/1-B		29167026	2.14				
480-195466-9	LF1	27587565	2.13				
480-195466-10	LF2	28454963	2.13				

BNB = 1-Bromo-2-nitrobenzene

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 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-617096/2-A

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 03/09/2022 10:00 Date Analyzed (2): 03/09/2022 10:00

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		3.07	3.04	3.10	0.000459		1.1
	2		3.70	3.68	3.74	0.000464		
Heptachlor	1		3.46	3.44	3.50	0.000479		0.2
	2		4.16	4.14	4.20	0.000478		
Heptachlor epoxide	1		4.32	4.29	4.35	0.000554		3.5
	2		5.10	5.08	5.14	0.000535		
Endrin	1		5.19	5.16	5.22	0.000534		2.2
	2		6.13	6.10	6.16	0.000523		
Methoxychlor	1		6.05	6.03	6.09	0.000534		12.1
	2		7.23	7.21	7.27	0.000603		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-617096/3-A

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 03/09/2022 10:20 Date Analyzed (2): 03/09/2022 10:20

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		3.07	3.04	3.10	0.000456		3.7
	2		3.70	3.68	3.74	0.000473		
Heptachlor	1		3.46	3.44	3.50	0.000499		5.9
	2		4.16	4.14	4.20	0.000470		
Heptachlor epoxide	1		4.32	4.29	4.35	0.000537		5.4
	2		5.10	5.08	5.14	0.000509		
Endrin	1		5.18	5.16	5.22	0.000515		2.8
	2		6.13	6.10	6.16	0.000501		
Methoxychlor	1		6.05	6.03	6.09	0.000532		7.6
	2		7.23	7.21	7.27	0.000574		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: 25_56-094.D
Analysis Method: 8081B
Date Collected: 03/02/2022 14:15
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 11:58
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	ND		0.00020	0.0000060
12789-03-6	Chlordane (technical)	ND		0.0020	0.000029
72-20-8	Endrin	ND		0.00020	0.000014
76-44-8	Heptachlor	ND		0.00020	0.0000085
1024-57-3	Heptachlor epoxide	ND		0.00020	0.0000053
72-43-5	Methoxychlor	ND		0.00020	0.000014
8001-35-2	Toxaphene	ND		0.0020	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		20-120
877-09-8	Tetrachloro-m-xylene	95		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Lims ID:	480-195466-A-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 11:58:41	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 12:22:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene						
1	1.907	1.903	0.004	82995098	0.5000	
2	2.133	2.133	0.000	27587565	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.413	2.420	-0.007	2134954	0.0191	
2	2.827	2.833	-0.006	974653	0.0146	
					RPD = 26.53	
$ 33 DCB Decachlorobiphenyl						
1	7.577	7.583	-0.006	2161146	0.0149	
2	8.717	8.727	-0.010	913347	0.0149	
					RPD = 0.18	

QC Flag Legend

Processing Flags

Reagents:

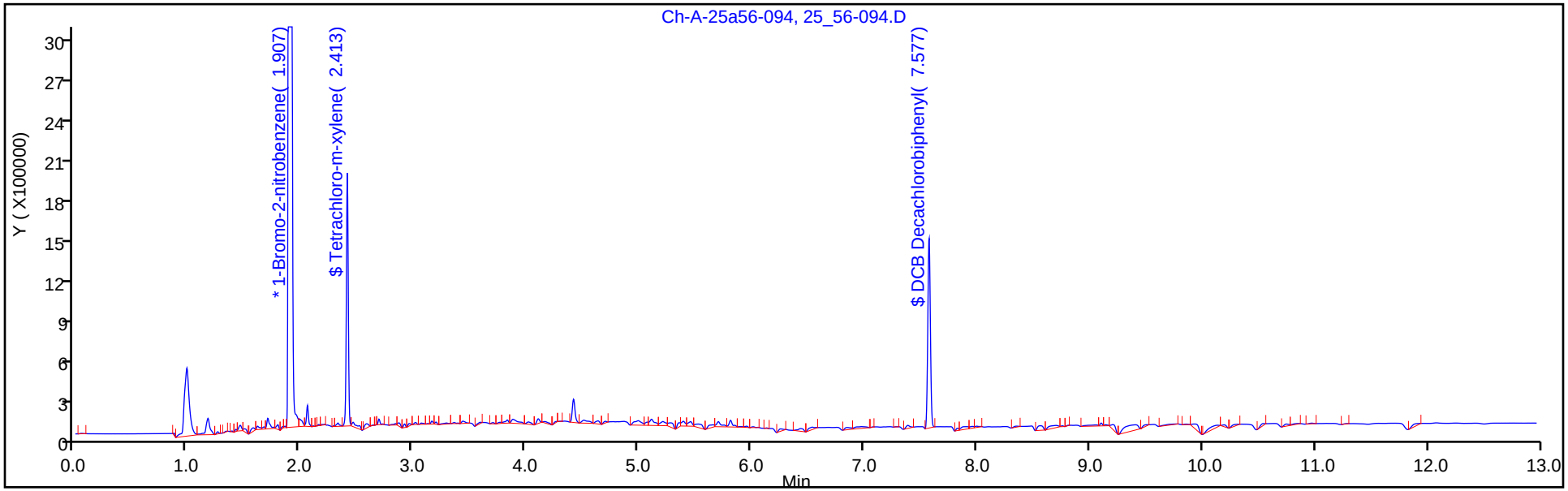
1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:40 Chrom Revision: 2.3 16-Feb-2022 17:52:00

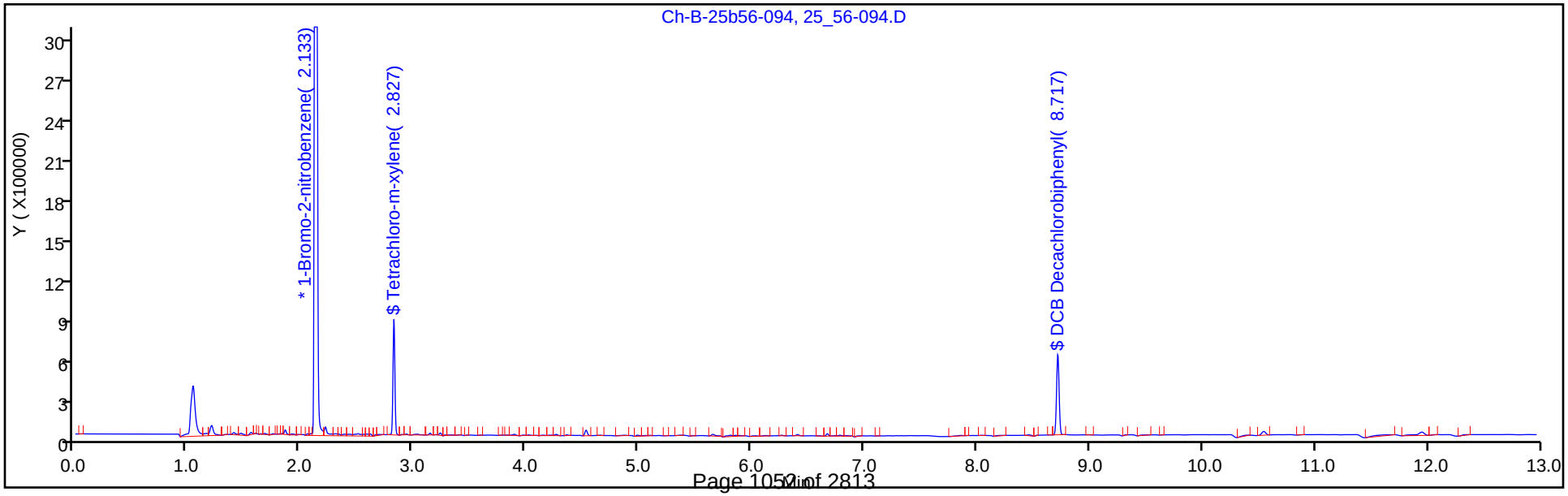
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Injection Date:	09-Mar-2022 11:58:41	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-9-C	Lab Sample ID:	480-195466-9	Worklist Smp#:	16
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Lims ID:	480-195466-A-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 11:58:41	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 12:22:15		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0191	95.29
$ 33 DCB Decachlorobiphenyl	0.0200	0.0149	74.53

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0146	72.97
$ 33 DCB Decachlorobiphenyl	0.0200	0.0149	74.40

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: 25_56-094.D
Analysis Method: 8081B
Date Collected: 03/02/2022 14:15
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 11:58
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	74		20-120
877-09-8	Tetrachloro-m-xylene	73		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Lims ID:	480-195466-A-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 11:58:41	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 12:22:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene						
1	1.907	1.903	0.004	82995098	0.5000	
2	2.133	2.133	0.000	27587565	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.413	2.420	-0.007	2134954	0.0191	
2	2.827	2.833	-0.006	974653	0.0146	
					RPD = 26.53	
$ 33 DCB Decachlorobiphenyl						
1	7.577	7.583	-0.006	2161146	0.0149	
2	8.717	8.727	-0.010	913347	0.0149	
					RPD = 0.18	

QC Flag Legend

Processing Flags

Reagents:

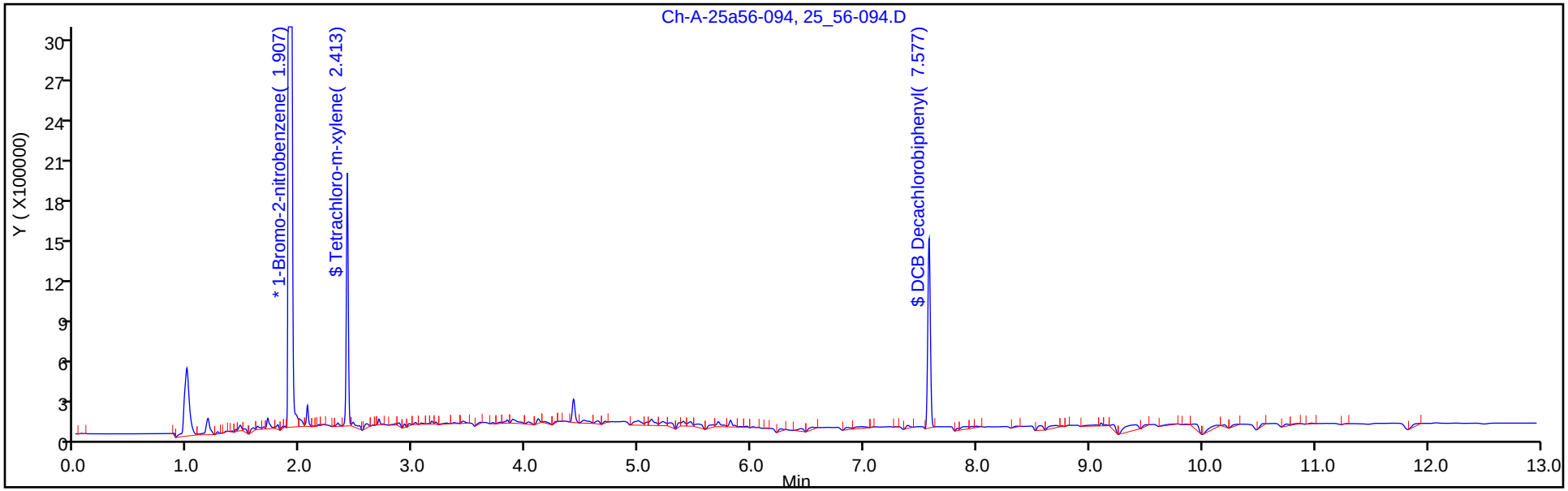
1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00

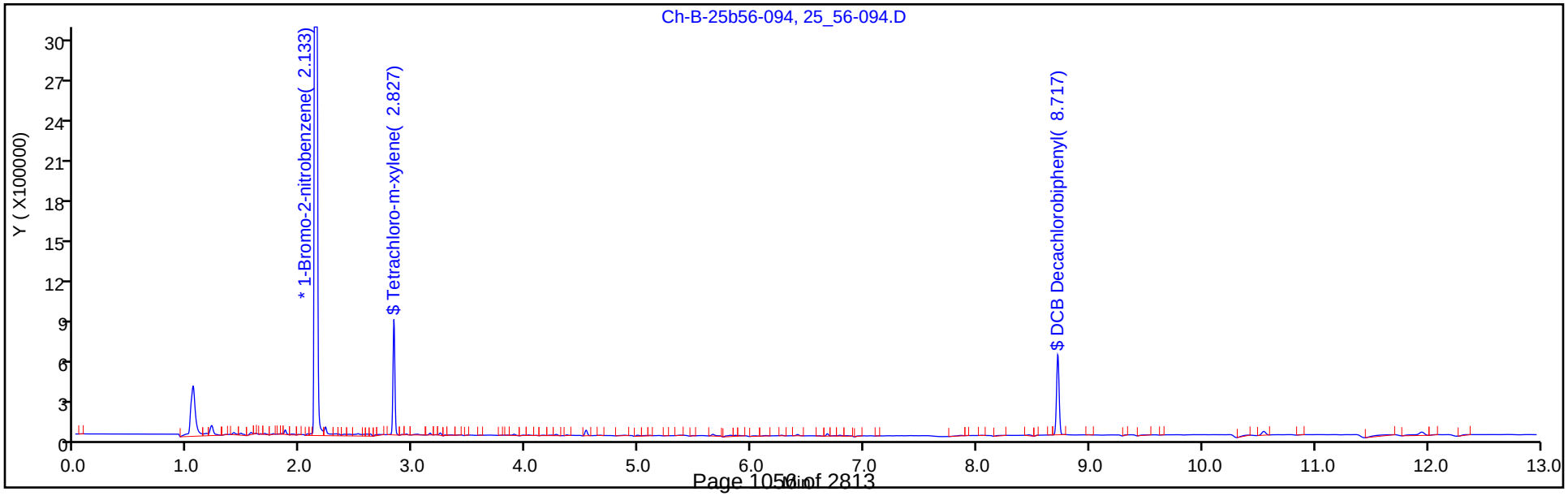
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Injection Date:	09-Mar-2022 11:58:41	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-9-C	Lab Sample ID:	480-195466-9	Worklist Smp#:	16
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-094.D				
Lims ID:	480-195466-A-9-C				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 11:58:41	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 12:22:15		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0191	95.29
$ 33 DCB Decachlorobiphenyl	0.0200	0.0149	74.53

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0146	72.97
$ 33 DCB Decachlorobiphenyl	0.0200	0.0149	74.40

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid (TCLP)
Lab File ID: 25_56-095.D
Analysis Method: 8081B
Date Collected: 03/02/2022 14:25
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 12:18
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	ND		0.00020	0.0000060
12789-03-6	Chlordane (technical)	ND		0.0020	0.000029
72-20-8	Endrin	ND		0.00020	0.000014
76-44-8	Heptachlor	ND		0.00020	0.0000085
1024-57-3	Heptachlor epoxide	ND		0.00020	0.0000053
72-43-5	Methoxychlor	ND		0.00020	0.000014
8001-35-2	Toxaphene	ND		0.0020	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		20-120
877-09-8	Tetrachloro-m-xylene	97		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D				
Lims ID:	480-195466-A-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 12:18:22	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 12:51:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene						
1	1.907	1.903	0.004	85362424	0.5000	
2	2.133	2.133	0.000	28454963	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.413	2.420	-0.007	2236724	0.0194	
2	2.827	2.833	-0.006	1034505	0.0150	
					RPD = 25.47	
$ 33 DCB Decachlorobiphenyl						
1	7.573	7.583	-0.010	2037907	0.0136	
2	8.717	8.727	-0.010	908255	0.0143	
					RPD = 5.46	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

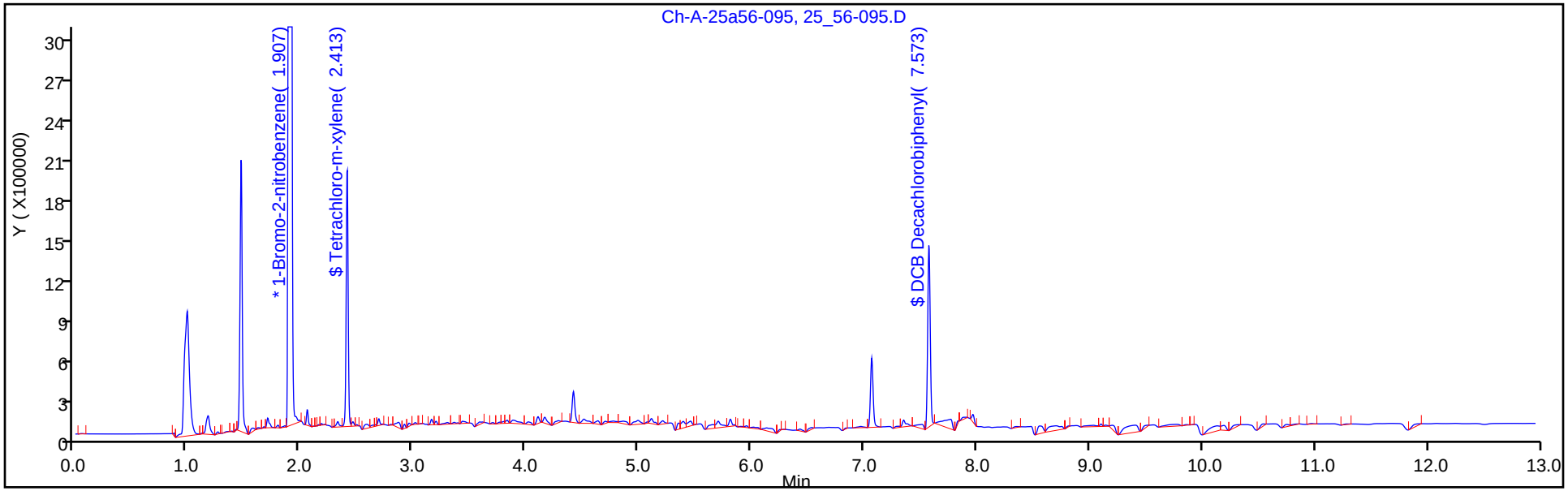
Report Date: 09-Mar-2022 13:14:42 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

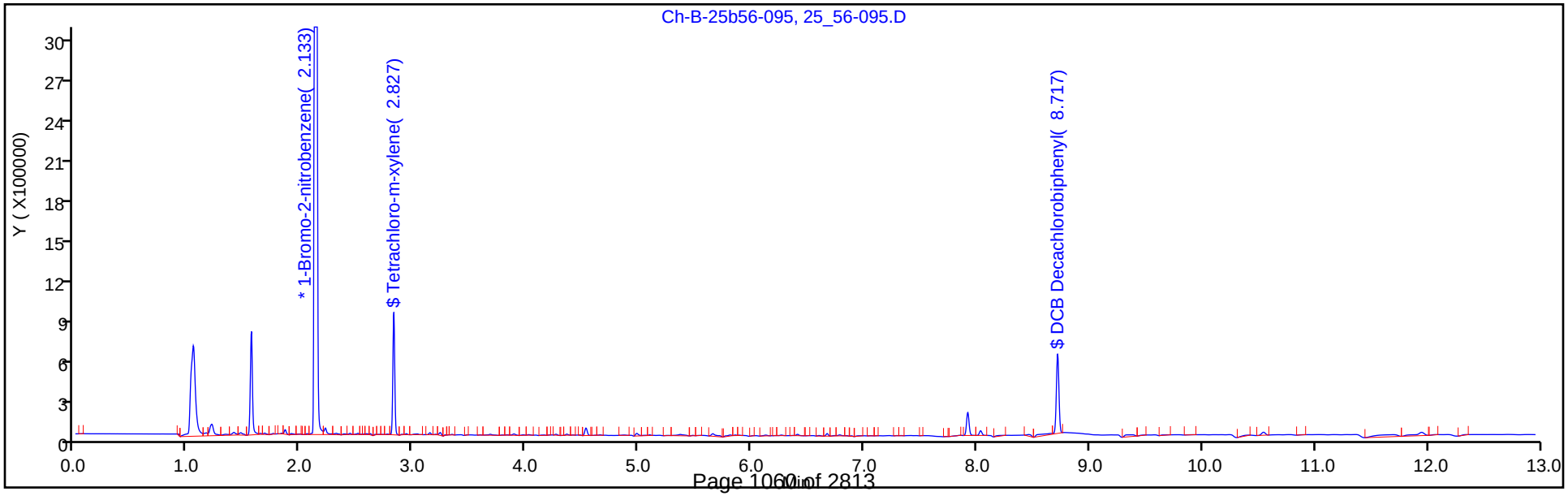
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D

Injection Date:	09-Mar-2022 12:18:22	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-10-C	Lab Sample ID:	480-195466-10	Worklist Smp#:	17
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D				
Lims ID:	480-195466-A-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 12:18:22	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 12:51:02		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0194	97.14
$ 33 DCB Decachlorobiphenyl	0.0200	0.0136	67.90

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0150	75.20
$ 33 DCB Decachlorobiphenyl	0.0200	0.0143	71.71

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid (TCLP)
Lab File ID: 25_56-095.D
Analysis Method: 8081B
Date Collected: 03/02/2022 14:25
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 12:18
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		20-120
877-09-8	Tetrachloro-m-xylene	75		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D				
Lims ID:	480-195466-A-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 12:18:22	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 12:51:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene						
1	1.907	1.903	0.004	85362424	0.5000	
2	2.133	2.133	0.000	28454963	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.413	2.420	-0.007	2236724	0.0194	
2	2.827	2.833	-0.006	1034505	0.0150	
					RPD = 25.47	
$ 33 DCB Decachlorobiphenyl						
1	7.573	7.583	-0.010	2037907	0.0136	
2	8.717	8.727	-0.010	908255	0.0143	
					RPD = 5.46	

QC Flag Legend

Processing Flags

Reagents:

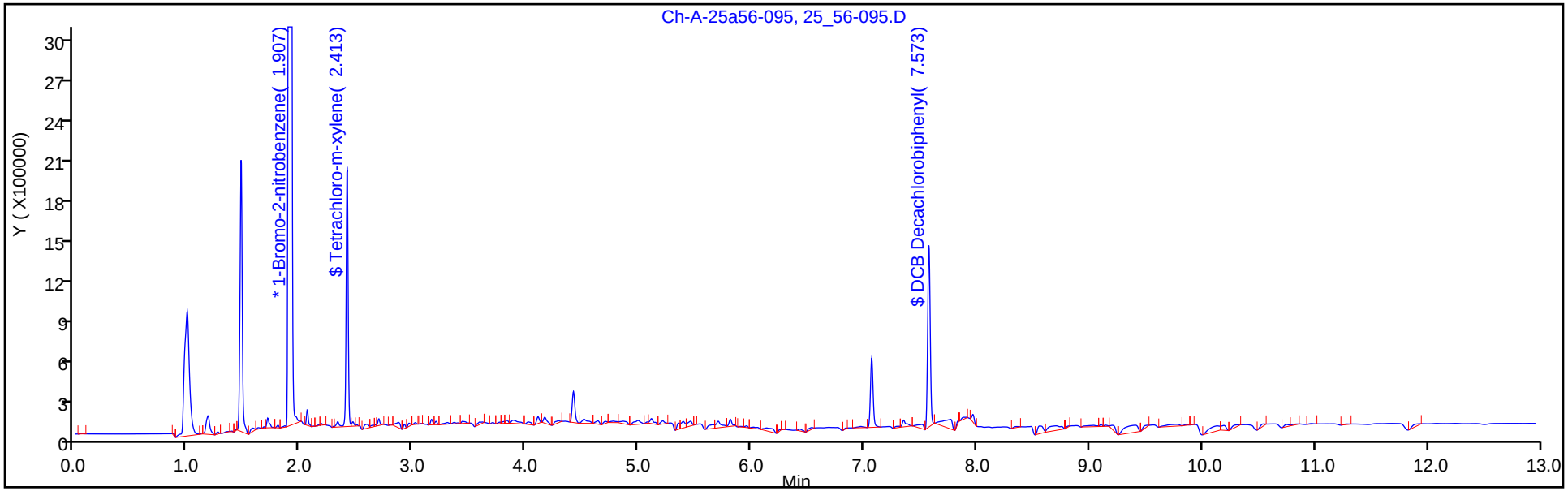
1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:42 Chrom Revision: 2.3 16-Feb-2022 17:52:00

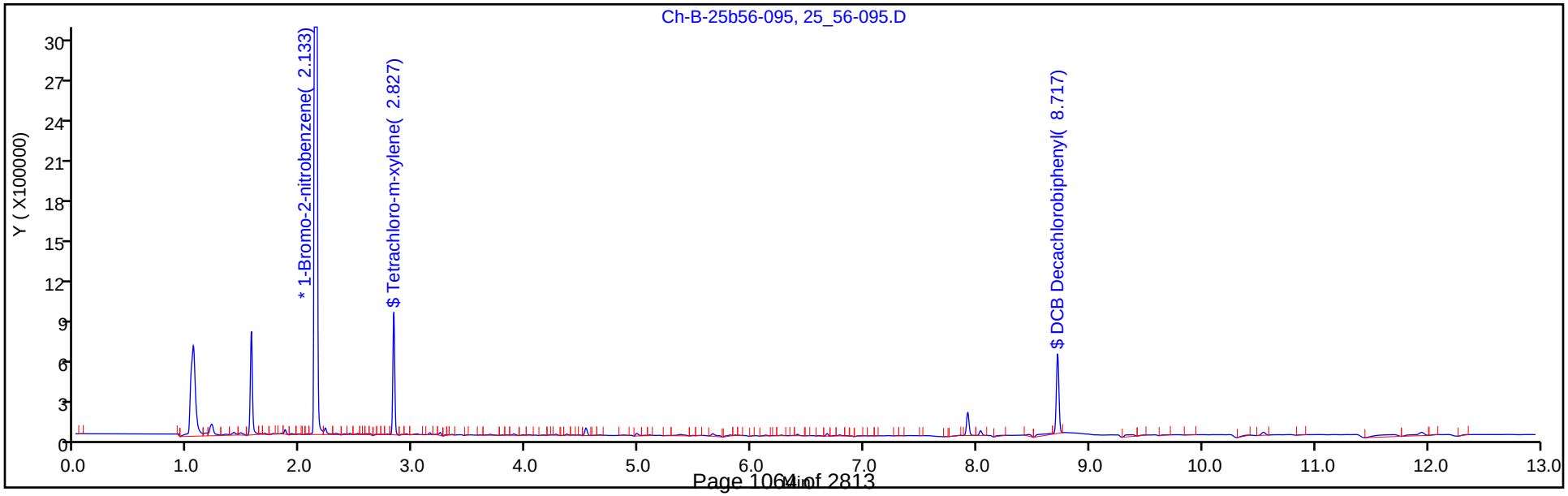
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D				
Injection Date:	09-Mar-2022 12:18:22	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-10-C	Lab Sample ID:	480-195466-10	Worklist Smp#:	17
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-095.D				
Lims ID:	480-195466-A-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 12:18:22	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 12:51:02		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0194	97.14
$ 33 DCB Decachlorobiphenyl	0.0200	0.0136	67.90

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0150	75.20
$ 33 DCB Decachlorobiphenyl	0.0200	0.0143	71.71

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 09:27 Calibration End Date: 12/23/2021 10:46 Calibration ID: 42901

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/9	25_53-400.D
Level 2	STD4 480-609962/8	25_53-399.D
Level 3	STD3 480-609962/7	25_53-398.D
Level 4	STD2 480-609962/6	25_53-397.D
Level 5	STD1 480-609962/5	25_53-396.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								
alpha-BHC	1.7356	2.0177	1.7804	1.8685	1.8679	Lin1	0	1.8578							0.9990		0.9900
gamma-BHC (Lindane)	1.5994	1.8402	1.6114	1.6733	1.6614	Lin1	0.0003	1.6573							0.9990		0.9900
beta-BHC	0.6013	0.7147	0.5801	0.6016	0.5761	Lin1	0.0005	0.5819							0.9980		0.9900
delta-BHC	1.5356	1.8226	1.5870	1.6595	1.6366	Lin1	0.0002	1.6378							0.9990		0.9900
Heptachlor	1.6761	1.8072	1.4340	1.3883	1.3132	Lin1	0.0028	1.3326							0.9980		0.9900
Aldrin	1.5628	1.7814	1.4874	1.4703	1.4106	Lin1	0.0017	1.4292							0.9980		0.9900
Heptachlor epoxide	1.3523	1.5192	1.2174	1.1809	1.1111	Lin1	0.0021	1.1332							0.9970		0.9900
trans-Chlordane	1.4131	1.5967	1.3582	1.3821	1.3346	Lin1	0.0010	1.3464							0.9990		0.9900
cis-Chlordane	1.3125	1.4928	1.2770	1.2914	1.2415	Lin1	0.0010	1.2564							0.9990		0.9900
4,4'-DDE	1.2009	1.5021	1.2554	1.2770	1.2086	Lin1	0.0008	1.2340							0.9980		0.9900
Endosulfan I	1.1565	1.4401	1.1269	1.0904	1.0251	Lin1	0.0018	1.0493							0.9960		0.9900
Dieldrin	1.4240	1.6236	1.3206	1.2830	1.2194	Lin1	0.0020	1.2402							0.9980		0.9900
Endrin	1.3057	1.4953	1.2190	1.1824	1.1222	Lin1	0.0018	1.1426							0.9980		0.9900
4,4'-DDD	1.0109	1.2029	1.0335	1.0299	1.0026	Lin1	0.0006	1.0123							0.9990		0.9900
Endosulfan II	0.9469	1.2506	0.9953	1.0007	0.9551	Lin1	0.0009	0.9715							0.9970		0.9900
4,4'-DDT	1.0187	1.2302	1.0429	1.0597	1.0374	Lin1	0.0005	1.0430							0.9990		0.9900
Endrin aldehyde	0.9030	0.9844	0.8063	0.8015	0.7815	Lin1	0.0011	0.7831							0.9990		0.9900
Methoxychlor	0.4819	0.5857	0.4716	0.4849	0.4777	Lin1	0.0003	0.4770							0.9980		0.9900
Endosulfan sulfate	1.1028	1.2032	1.0031	1.0239	1.0046	Lin1	0.0010	1.0032							0.9990		0.9900
Endrin ketone	1.0647	1.2213	1.0449	1.0716	1.0469	Lin1	0.0006	1.0511							0.9990		0.9900
Tetrachloro-m-xylene	0.6177	0.8525	0.6300	0.6748	0.6390	Lin1	0.0005	0.6469							0.9960		0.9900
DCB Decachlorobiphenyl	0.9396	0.9551	0.8250	0.8259	0.8227	Lin1	0.0008	0.8167							1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 09:27 Calibration End Date: 12/23/2021 10:46 Calibration ID: 42901

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/9	25_53-400.D
Level 2	STD4 480-609962/8	25_53-399.D
Level 3	STD3 480-609962/7	25_53-398.D
Level 4	STD2 480-609962/6	25_53-397.D
Level 5	STD1 480-609962/5	25_53-396.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Lin1	1389228	2908837	14522312	29717601	44310622	0.00500	0.0100	0.0500	0.100	0.150
gamma-BHC (Lindane)	BNB	Lin1	1280255	2652973	13143950	26613642	39411398	0.00500	0.0100	0.0500	0.100	0.150
beta-BHC	BNB	Lin1	481318	1030307	4731815	9568389	13666442	0.00500	0.0100	0.0500	0.100	0.150
delta-BHC	BNB	Lin1	1229175	2627571	12944724	26393099	38823486	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor	BNB	Lin1	1341613	2605396	11696688	22079431	31152046	0.00500	0.0100	0.0500	0.100	0.150
Aldrin	BNB	Lin1	1250944	2568163	12132816	23383568	33462465	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor epoxide	BNB	Lin1	1082456	2190244	9929768	18780939	26356485	0.00500	0.0100	0.0500	0.100	0.150
trans-Chlordane	BNB	Lin1	1131064	2301983	11078900	21981419	31658955	0.00500	0.0100	0.0500	0.100	0.150
cis-Chlordane	BNB	Lin1	1050546	2152194	10416073	20539830	29451341	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDE	BNB	Lin1	961261	2165529	10240185	20309594	28670302	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan I	BNB	Lin1	925694	2076200	9191679	17342501	24316677	0.00500	0.0100	0.0500	0.100	0.150
Dieldrin	BNB	Lin1	1139794	2340668	10772146	20406099	28926720	0.00500	0.0100	0.0500	0.100	0.150
Endrin	BNB	Lin1	1045174	2155765	9943232	18805137	26619595	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDD	BNB	Lin1	809153	1734178	8429963	16379242	23782349	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan II	BNB	Lin1	757902	1802957	8118561	15916014	22656524	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDT	BNB	Lin1	815376	1773591	8507154	16854162	24608102	0.00500	0.0100	0.0500	0.100	0.150
Endrin aldehyde	BNB	Lin1	722817	1419215	6577233	12747824	18538241	0.00500	0.0100	0.0500	0.100	0.150
Methoxychlor	BNB	Lin1	385710	844363	3846644	7712432	11332525	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan sulfate	BNB	Lin1	882764	1734591	8181862	16285371	23829860	0.00500	0.0100	0.0500	0.100	0.150
Endrin ketone	BNB	Lin1	852194	1760675	8523174	17043523	24834962	0.00500	0.0100	0.0500	0.100	0.150
Tetrachloro-m-xylene	BNB	Lin1	494392	1229032	5138400	10731629	15158259	0.00500	0.0100	0.0500	0.100	0.150
DCB Decachlorobiphenyl	BNB	Lin1	752110	1376959	6729767	13135381	19515016	0.00500	0.0100	0.0500	0.100	0.150

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-396.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 09:27:38	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:12:59	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 09:54:29		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.5985	
2						0.5947	
						RPD = 0.65	
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.977	0.003	79072276	0.5000	0.5000	
2	2.207	2.203	0.004	29835061	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.500	2.493	0.007	15158259	0.1500	0.1473	
2	2.917	2.910	0.007	10319973	0.1500	0.1491	
						RPD = 1.17	
5 alpha-BHC							
1	2.920	2.910	0.010	44310622	0.1500	0.1509	
2	3.463	3.457	0.006	17457589	0.1500	0.1494	
						RPD = 0.94	
6 gamma-BHC (Lindane)							
1	3.173	3.163	0.010	39411398	0.1500	0.1502	
2	3.810	3.803	0.007	15493985	0.1500	0.1487	
						RPD = 0.97	
7 beta-BHC							
1	3.243	3.233	0.010	13666442	0.1500	0.1477	
2	3.880	3.873	0.007	6262726	0.1500	0.1483	
						RPD = 0.43	
8 delta-BHC							
1	3.397	3.387	0.010	38823486	0.1500	0.1498	
2	4.190	4.187	0.003	15240785	0.1500	0.1482	
						RPD = 1.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.580	3.570	0.010	31152046	0.1500	0.1457	
2	4.277	4.273	0.004	14825027	0.1500	0.1481	
						RPD = 1.67	
11 Aldrin							
1	3.853	3.847	0.006	33462465	0.1500	0.1469	
2	4.627	4.623	0.004	15206787	0.1500	0.1490	
						RPD = 1.42	
13 Heptachlor epoxide							
1	4.447	4.440	0.007	26356485	0.1500	0.1452	
2	5.227	5.223	0.004	12362584	0.1500	0.1484	
						RPD = 2.19	
15 trans-Chlordane							
1	4.570	4.560	0.010	31658955	0.1500	0.1479	
2	5.427	5.423	0.004	13063653	0.1500	0.1492	
						RPD = 0.89	
16 cis-Chlordane							
1	4.703	4.697	0.006	29451341	0.1500	0.1474	
2	5.583	5.577	0.006	11318284	0.1500	0.1482	
						RPD = 0.52	
17 4,4'-DDE							
1	4.783	4.777	0.006	28670302	0.1500	0.1463	
2	5.740	5.737	0.003	13334843	0.1500	0.1501	
						RPD = 2.58	
18 Endosulfan I							
1	4.843	4.833	0.010	24316677	0.1500	0.1449	
2	5.647	5.643	0.004	11659172	0.1500	0.1487	
						RPD = 2.63	
20 Dieldrin							
1	5.083	5.077	0.006	28926720	0.1500	0.1459	
2	5.933	5.930	0.003	13038203	0.1500	0.1488	
						RPD = 1.95	
22 Endrin							
1	5.320	5.313	0.007	26619595	0.1500	0.1457	
2	6.253	6.247	0.006	12162864	0.1500	0.1494	
						RPD = 2.47	
24 4,4'-DDD							
1	5.393	5.387	0.006	23782349	0.1500	0.1479	
2	6.340	6.337	0.003	10707318	0.1500	0.1509	
						RPD = 1.98	
26 Endosulfan II							
1	5.550	5.540	0.010	22656524	0.1500	0.1466	
2	6.467	6.463	0.004	10786655	0.1500	0.1495	
						RPD = 1.99	
27 4,4'-DDT							
1	5.680	5.670	0.010	24608102	0.1500	0.1487	
2	6.667	6.663	0.004	10095605	0.1500	0.1511	
						RPD = 1.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.980	5.970	0.010	18538241	0.1500	0.1483	
2	6.810	6.807	0.003	8324014	0.1500	0.1497	
						RPD = 0.95	
29 Methoxychlor							
1	6.180	6.173	0.007	11332525	0.1500	0.1495	
2	7.353	7.347	0.006	4923938	0.1500	0.1533	
						RPD = 2.51	
31 Endosulfan sulfate							
1	6.420	6.413	0.007	23829860	0.1500	0.1493	
2	7.093	7.090	0.003	10190510	0.1500	0.1503	
						RPD = 0.68	
32 Endrin ketone							
1	6.700	6.693	0.007	24834962	0.1500	0.1489	
2	7.643	7.640	0.003	10377212	0.1500	0.1500	
						RPD = 0.76	
$ 33 DCB Decachlorobiphenyl							
1	7.707	7.700	0.007	19515016	0.1500	0.1501	
2	8.847	8.843	0.004	10458046	0.1500	0.1587	
						RPD = 5.59	

Reagents:

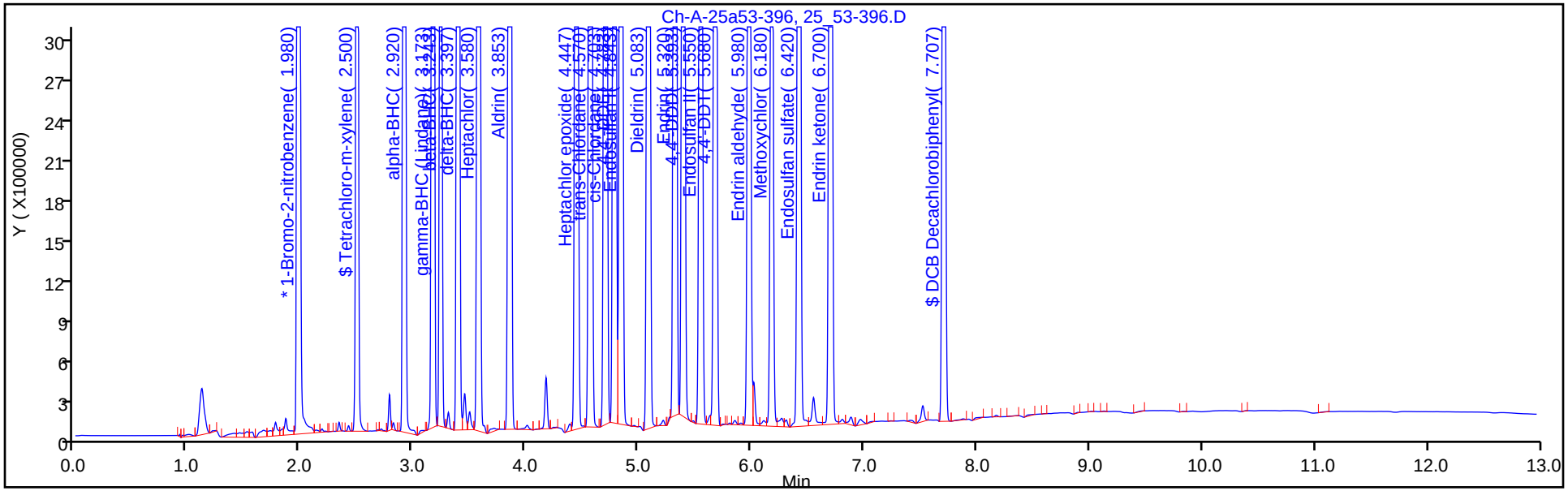
PEST_CAL_.15_00045 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

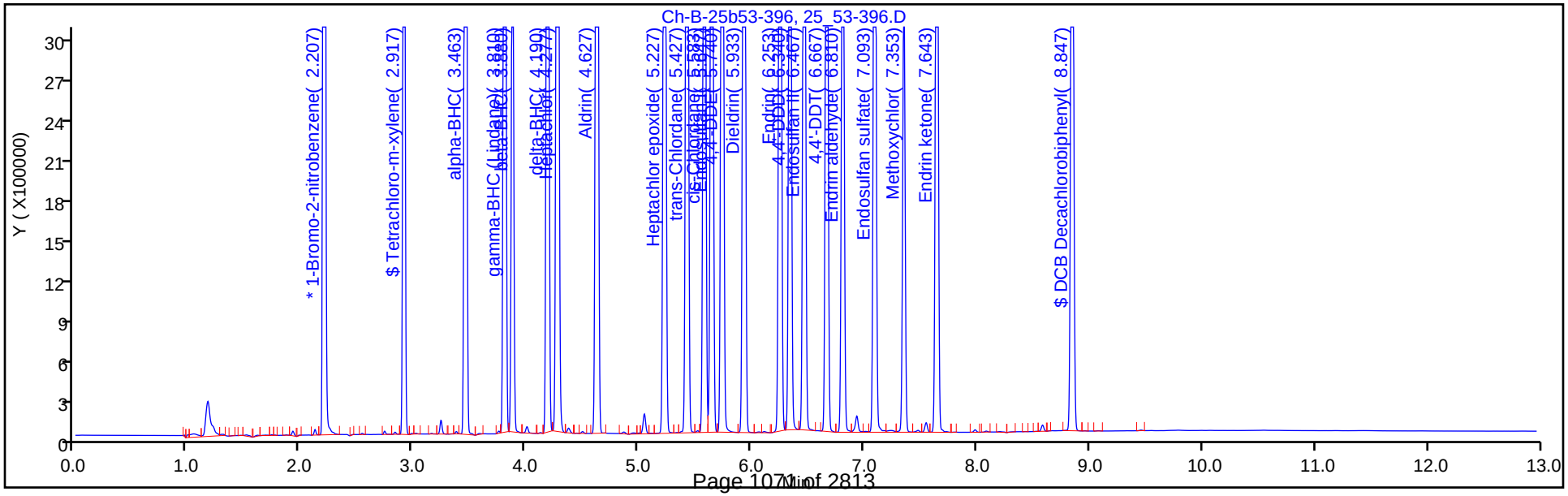
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-396.D				
Injection Date:	23-Dec-2021 09:27:38	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-397.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 09:47:11	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:05	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 10:04:12		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.4052	
2						0.4063	
						RPD = 0.28	
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	79522411	0.5000	0.5000	
2	2.203	2.203	0.000	29722506	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.497	2.493	0.004	10731629	0.1000	0.1035	
2	2.913	2.910	0.003	6975040	0.1000	0.1009	
						RPD = 2.51	
5 alpha-BHC							
1	2.913	2.910	0.003	29717601	0.1000	0.1006	
2	3.457	3.457	0.000	11759118	0.1000	0.1011	
						RPD = 0.47	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	26613642	0.1000	0.1008	
2	3.803	3.803	0.000	10541862	0.1000	0.1016	
						RPD = 0.78	
7 beta-BHC							
1	3.237	3.233	0.004	9568389	0.1000	0.1026	
2	3.873	3.873	0.000	4286922	0.1000	0.1017	
						RPD = 0.88	
8 delta-BHC							
1	3.390	3.387	0.003	26393099	0.1000	0.1012	
2	4.187	4.187	0.000	10451146	0.1000	0.1020	
						RPD = 0.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.573	3.570	0.003	22079431	0.1000	0.1020	
2	4.273	4.273	0.000	10100554	0.1000	0.1010	
						RPD = 1.00	
11 Aldrin							
1	3.850	3.847	0.003	23383568	0.1000	0.1017	
2	4.623	4.623	0.000	10279448	0.1000	0.1009	
						RPD = 0.73	
13 Heptachlor epoxide							
1	4.443	4.440	0.003	18780939	0.1000	0.1023	
2	5.223	5.223	0.000	8435659	0.1000	0.1015	
						RPD = 0.85	
15 trans-Chlordane							
1	4.567	4.560	0.007	21981419	0.1000	0.1019	
2	5.423	5.423	0.000	8836523	0.1000	0.1014	
						RPD = 0.49	
16 cis-Chlordane							
1	4.700	4.697	0.003	20539830	0.1000	0.1020	
2	5.577	5.577	0.000	7795561	0.1000	0.1024	
						RPD = 0.41	
17 4,4'-DDE							
1	4.780	4.777	0.003	20309594	0.1000	0.1028	
2	5.737	5.737	0.000	8909717	0.1000	0.1007	
						RPD = 2.09	
18 Endosulfan I							
1	4.837	4.833	0.004	17342501	0.1000	0.1022	
2	5.643	5.643	0.000	7927088	0.1000	0.1013	
						RPD = 0.92	
20 Dieldrin							
1	5.080	5.077	0.003	20406099	0.1000	0.1019	
2	5.930	5.930	0.000	8862283	0.1000	0.1015	
						RPD = 0.35	
22 Endrin							
1	5.317	5.313	0.004	18805137	0.1000	0.1019	
2	6.250	6.247	0.003	8214743	0.1000	0.1011	
						RPD = 0.75	
24 4,4'-DDD							
1	5.390	5.387	0.003	16379242	0.1000	0.1011	
2	6.337	6.337	0.000	7106842	0.1000	0.1006	
						RPD = 0.51	
26 Endosulfan II							
1	5.543	5.540	0.003	15916014	0.1000	0.1021	
2	6.463	6.463	0.000	7277041	0.1000	0.1012	
						RPD = 0.94	
27 4,4'-DDT							
1	5.673	5.670	0.003	16854162	0.1000	0.1011	
2	6.663	6.663	0.000	6726992	0.1000	0.1016	
						RPD = 0.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.973	5.970	0.003	12747824	0.1000	0.1010	
2	6.807	6.807	0.000	5596145	0.1000	0.1008	
						RPD = 0.15	
29 Methoxychlor							
1	6.173	6.173	0.000	7712432	0.1000	0.1009	
2	7.347	7.347	0.000	3181670	0.1000	0.1000	
						RPD = 0.93	
31 Endosulfan sulfate							
1	6.417	6.413	0.004	16285371	0.1000	0.1011	
2	7.090	7.090	0.000	6810531	0.1000	0.1008	
						RPD = 0.34	
32 Endrin ketone							
1	6.697	6.693	0.004	17043523	0.1000	0.1014	
2	7.640	7.640	0.000	6913236	0.1000	0.1004	
						RPD = 1.01	
$ 33 DCB Decachlorobiphenyl							
1	7.703	7.700	0.003	13135381	0.1000	0.1001	
2	8.840	8.843	-0.003	6232108	0.1000	0.0949	
						RPD = 5.35	

QC Flag Legend

Processing Flags

Reagents:

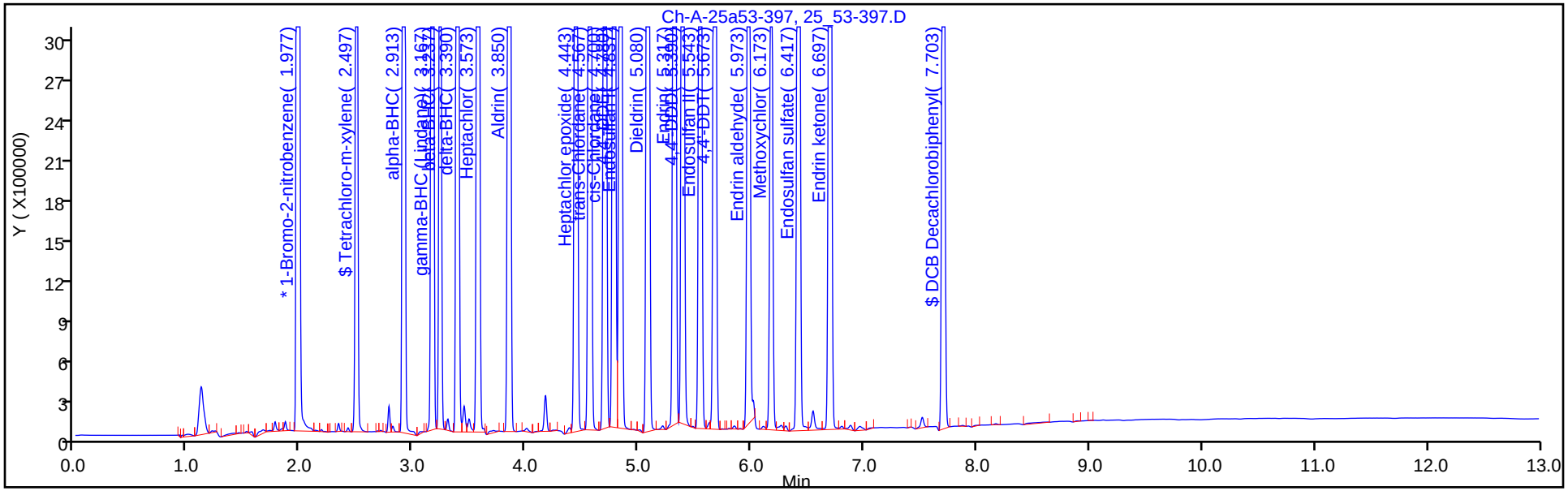
PEST_CAL_.10_00045 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:05 Chrom Revision: 2.3 15-Nov-2021 20:34:30

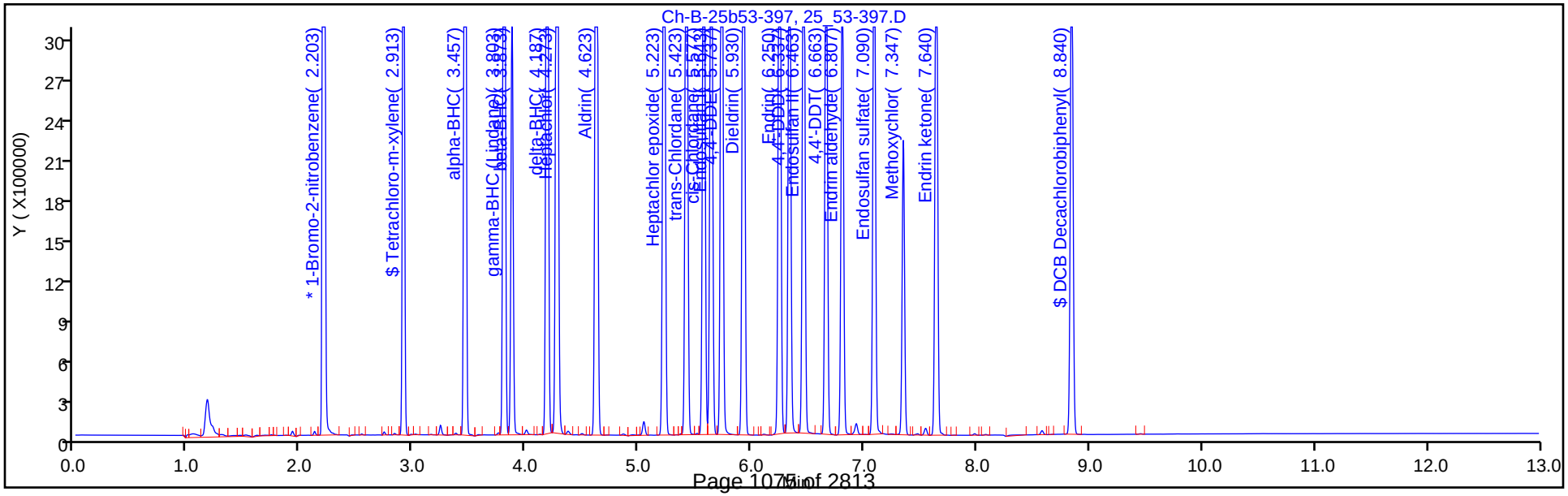
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-397.D				
Injection Date:	23-Dec-2021 09:47:11	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-398.D				
Lims ID:	std3				
Client ID:					
Sample Type:	ICIS	Calib Level:	3		
Inject. Date:	23-Dec-2021 10:06:50	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:11	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 23-Dec-2021 10:24:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	81568288	0.5000	0.5000	
2	2.203	2.203	0.000	30078829	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.493	2.493	0.000	5138400	0.0500	0.0479	
2	2.910	2.910	0.000	3495588	0.0500	0.0496	
						RPD = 3.60	
5 alpha-BHC							
1	2.910	2.910	0.000	14522312	0.0500	0.0479	
2	3.457	3.457	0.000	5775366	0.0500	0.0491	
						RPD = 2.44	
6 gamma-BHC (Lindane)							
1	3.163	3.163	0.000	13143950	0.0500	0.0484	
2	3.803	3.803	0.000	5180898	0.0500	0.0493	
						RPD = 1.79	
7 beta-BHC							
1	3.233	3.233	0.000	4731815	0.0500	0.0490	
2	3.873	3.873	0.000	2132066	0.0500	0.0496	
						RPD = 1.12	
8 delta-BHC							
1	3.387	3.387	0.000	12944724	0.0500	0.0484	
2	4.187	4.187	0.000	5118834	0.0500	0.0494	
						RPD = 2.10	
10 Heptachlor							
1	3.570	3.570	0.000	11696688	0.0500	0.0517	
2	4.273	4.273	0.000	5151485	0.0500	0.0505	
						RPD = 2.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.847	3.847	0.000	12132816	0.0500	0.0509	
2	4.623	4.623	0.000	5145180	0.0500	0.0497	
						RPD = 2.25	
13 Heptachlor epoxide							
1	4.440	4.440	0.000	9929768	0.0500	0.0518	
2	5.223	5.223	0.000	4208920	0.0500	0.0497	
						RPD = 4.16	
15 trans-Chlordane							
1	4.560	4.560	0.000	11078900	0.0500	0.0497	
2	5.423	5.423	0.000	4304012	0.0500	0.0489	
						RPD = 1.61	
16 cis-Chlordane							
1	4.697	4.697	0.000	10416073	0.0500	0.0500	
2	5.577	5.577	0.000	3757175	0.0500	0.0487	
						RPD = 2.69	
17 4,4'-DDE							
1	4.777	4.777	0.000	10240185	0.0500	0.0502	
2	5.737	5.737	0.000	4372671	0.0500	0.0489	
						RPD = 2.66	
18 Endosulfan I							
1	4.833	4.833	0.000	9191679	0.0500	0.0520	
2	5.643	5.643	0.000	3955974	0.0500	0.0496	
						RPD = 4.69	
20 Dieldrin							
1	5.077	5.077	0.000	10772146	0.0500	0.0516	
2	5.930	5.930	0.000	4360764	0.0500	0.0494	
						RPD = 4.53	
22 Endrin							
1	5.313	5.313	0.000	9943232	0.0500	0.0518	
2	6.247	6.247	0.000	4059826	0.0500	0.0492	
						RPD = 5.11	
24 4,4'-DDD							
1	5.387	5.387	0.000	8429963	0.0500	0.0504	
2	6.337	6.337	0.000	3442159	0.0500	0.0482	
						RPD = 4.42	
26 Endosulfan II							
1	5.540	5.540	0.000	8118561	0.0500	0.0503	
2	6.463	6.463	0.000	3574250	0.0500	0.0490	
						RPD = 2.77	
27 4,4'-DDT							
1	5.670	5.670	0.000	8507154	0.0500	0.0495	
2	6.663	6.663	0.000	3079385	0.0500	0.0469	
						RPD = 5.32	
28 Endrin aldehyde							
1	5.970	5.970	0.000	6577233	0.0500	0.0501	
2	6.807	6.807	0.000	2774893	0.0500	0.0491	
						RPD = 2.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	6.173	6.173	0.000	3846644	0.0500	0.0487	
2	7.347	7.347	0.000	1468840	0.0500	0.0465	
						RPD = 4.63	
31 Endosulfan sulfate							M
1	6.413	6.413	0.000	8181862	0.0500	0.0490	
2	7.090	7.090	0.000	3323109	0.0500	0.0485	M
						RPD = 1.07	
32 Endrin ketone							
1	6.693	6.693	0.000	8523174	0.0500	0.0492	
2	7.640	7.640	0.000	3432576	0.0500	0.0494	
						RPD = 0.44	
$ 33 DCB Decachlorobiphenyl							
1	7.700	7.700	0.000	6729767	0.0500	0.0495	
2	8.843	8.843	0.000	3045822	0.0500	0.0458	
						RPD = 7.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

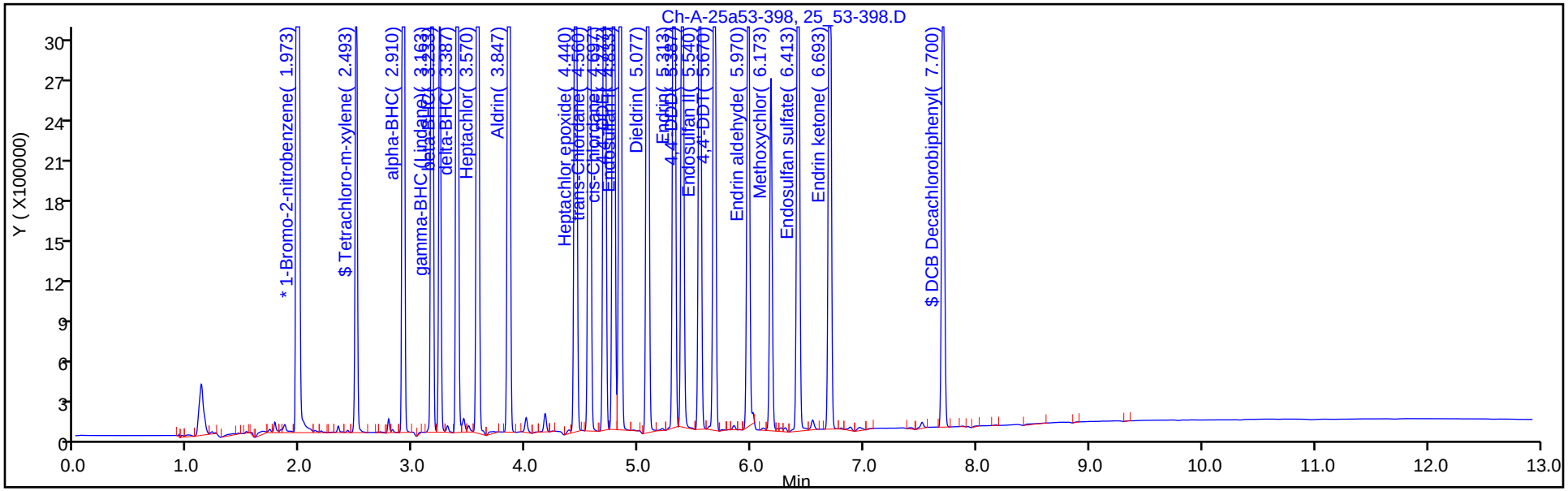
PEST_CCV_.05_00350 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:12 Chrom Revision: 2.3 15-Nov-2021 20:34:30

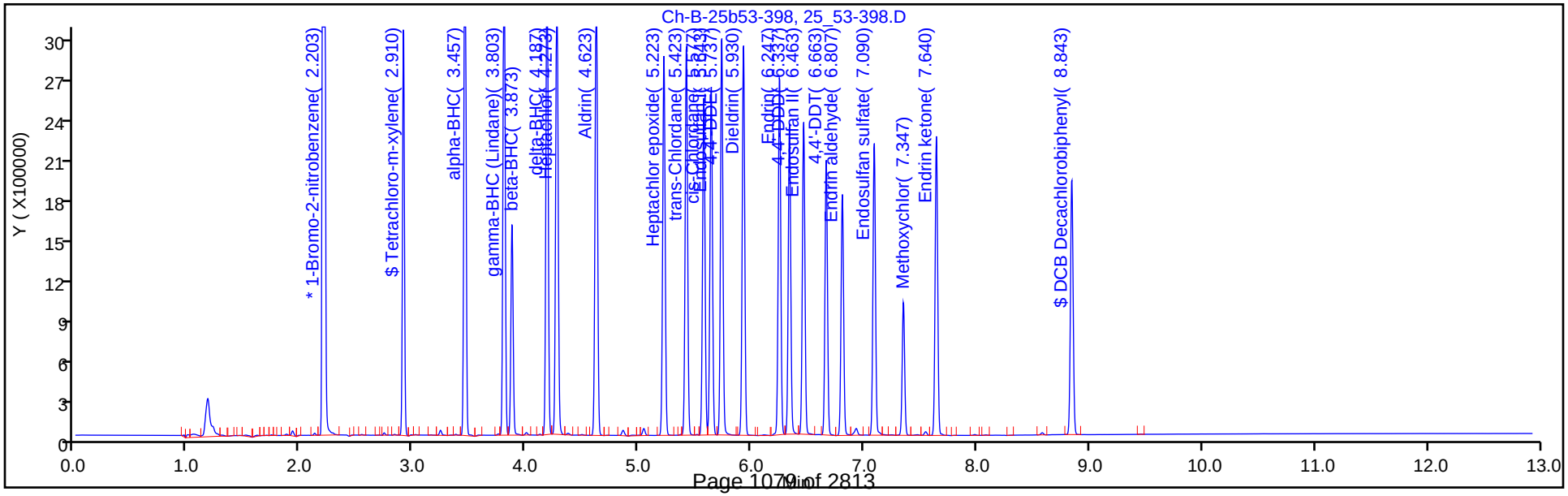
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-398.D				
Injection Date:	23-Dec-2021 10:06:50	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-399.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 10:26:31	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:17	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 11:15:20		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.0443	
2						0.0430	
						RPD = 2.92	
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	72084198	0.5000	0.5000	
2	2.203	2.203	0.000	27448449	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.493	2.493	0.000	1229032	0.0100	0.0124	
2	2.910	2.910	0.000	723574	0.0100	0.0107	
						RPD = 14.25	
5 alpha-BHC							
1	2.910	2.910	0.000	2908837	0.0100	0.0109	
2	3.457	3.457	0.000	1124052	0.0100	0.0106	
						RPD = 2.78	
6 gamma-BHC (Lindane)							
1	3.163	3.163	0.000	2652973	0.0100	0.0109	
2	3.803	3.803	0.000	1024964	0.0100	0.0107	
						RPD = 2.40	
7 beta-BHC							
1	3.233	3.233	0.000	1030307	0.0100	0.0114	
2	3.873	3.873	0.000	452543	0.0100	0.0109	
						RPD = 4.64	
8 delta-BHC							
1	3.387	3.387	0.000	2627571	0.0100	0.0110	
2	4.183	4.187	-0.004	1023428	0.0100	0.0108	
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.570	3.570	0.000	2605396	0.0100	0.0114	
2	4.270	4.273	-0.003	1070423	0.0100	0.0108	
						RPD = 5.66	
11 Aldrin							
1	3.847	3.847	0.000	2568163	0.0100	0.0113	
2	4.620	4.623	-0.003	1038990	0.0100	0.0107	
						RPD = 5.41	
13 Heptachlor epoxide							
1	4.437	4.440	-0.003	2190244	0.0100	0.0115	
2	5.220	5.223	-0.003	867344	0.0100	0.0108	
						RPD = 6.79	
15 trans-Chlordane							
1	4.560	4.560	0.000	2301983	0.0100	0.0111	
2	5.420	5.423	-0.003	865891	0.0100	0.0109	
						RPD = 1.72	
16 cis-Chlordane							
1	4.693	4.697	-0.004	2152194	0.0100	0.0111	
2	5.577	5.577	0.000	796041	0.0100	0.0112	
						RPD = 0.88	
17 4,4'-DDE							
1	4.777	4.777	0.000	2165529	0.0100	0.0115	
2	5.733	5.737	-0.004	852971	0.0100	0.0105	
						RPD = 8.83	
18 Endosulfan I							
1	4.833	4.833	0.000	2076200	0.0100	0.0120	
2	5.640	5.643	-0.003	810273	0.0100	0.0107	
						RPD = 12.30	
20 Dieldrin							
1	5.077	5.077	0.000	2340668	0.0100	0.0115	
2	5.927	5.930	-0.003	865143	0.0100	0.0107	
						RPD = 6.78	
22 Endrin							
1	5.313	5.313	0.000	2155765	0.0100	0.0115	
2	6.247	6.247	0.000	817506	0.0100	0.0105	
						RPD = 8.87	
24 4,4'-DDD							
1	5.387	5.387	0.000	1734178	0.0100	0.0112	
2	6.337	6.337	0.000	669357	0.0100	0.0104	
						RPD = 7.66	
26 Endosulfan II							
1	5.540	5.540	0.000	1802957	0.0100	0.0120	
2	6.460	6.463	-0.003	718084	0.0100	0.0106	
						RPD = 12.57	
27 4,4'-DDT							
1	5.670	5.670	0.000	1773591	0.0100	0.0113	
2	6.660	6.663	-0.003	532348	0.0100	0.0103	
						RPD = 9.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.970	5.970	0.000	1419215	0.0100	0.0112	
2	6.803	6.807	-0.004	572938	0.0100	0.0106	
						RPD = 5.39	
29 Methoxychlor							
1	6.173	6.173	0.000	844363	0.0100	0.0116	
2	7.347	7.347	0.000	249058	0.0100	0.0100	
						RPD = 14.79	
31 Endosulfan sulfate							
1	6.413	6.413	0.000	1734591	0.0100	0.0110	
2	7.087	7.090	-0.003	672803	0.0100	0.0107	
						RPD = 3.47	
32 Endrin ketone							
1	6.693	6.693	0.000	1760675	0.0100	0.0111	
2	7.640	7.640	0.000	649878	0.0100	0.0104	
						RPD = 5.91	
$ 33 DCB Decachlorobiphenyl							
1	7.700	7.700	0.000	1376959	0.0100	0.0107	
2	8.840	8.843	-0.003	649181	0.0100	0.0106	
						RPD = 0.59	

QC Flag Legend

Processing Flags

Reagents:

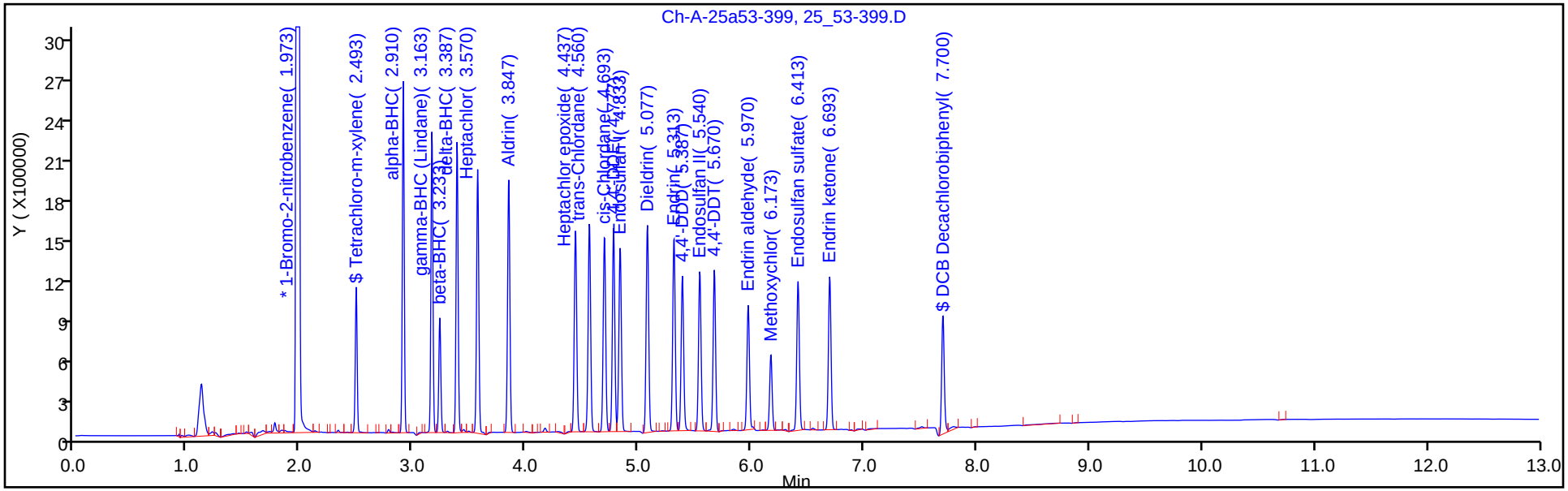
pest_cal_.01_00036 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:17 Chrom Revision: 2.3 15-Nov-2021 20:34:30

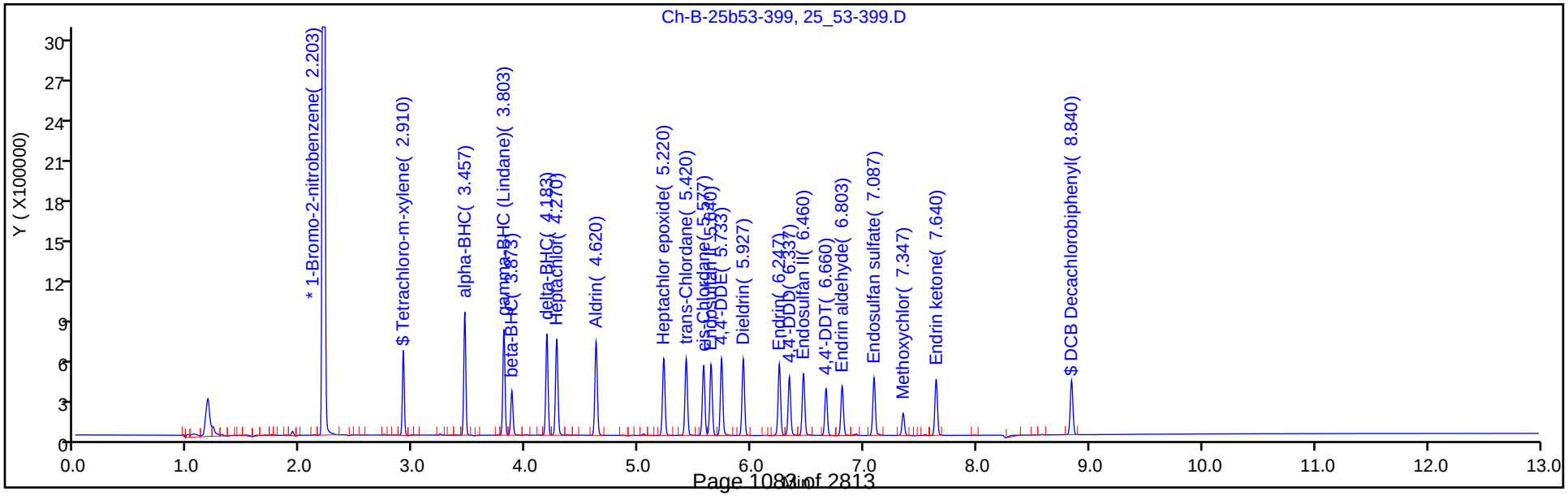
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-399.D				
Injection Date:	23-Dec-2021 10:26:31	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 10:46:10	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:22	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 23-Dec-2021 11:16:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.0183	
2						0.0186	
						RPD = 1.87	
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.973	0.007	80043980	0.5000	0.5000	
2	2.203	2.203	0.000	29387421	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.497	2.493	0.004	494392	0.005000	0.003950	
2	2.910	2.910	0.000	364493	0.005000	0.004667	
						RPD = 16.63	
5 alpha-BHC							
1	2.913	2.910	0.003	1389228	0.005000	0.004701	
2	3.457	3.457	0.000	531072	0.005000	0.004755	
						RPD = 1.14	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	1280255	0.005000	0.004647	
2	3.803	3.803	0.000	485198	0.005000	0.004699	
						RPD = 1.10	
7 beta-BHC							
1	3.237	3.233	0.004	481318	0.005000	0.004328	
2	3.873	3.873	0.000	221006	0.005000	0.004556	
						RPD = 5.13	
8 delta-BHC							
1	3.390	3.387	0.003	1229175	0.005000	0.004594	
2	4.187	4.187	0.000	464675	0.005000	0.004606	
						RPD = 0.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.573	3.570	0.003	1341613	0.005000	0.004158	
2	4.273	4.273	0.000	534776	0.005000	0.004563	
						RPD = 9.28	
11 Aldrin							
1	3.850	3.847	0.003	1250944	0.005000	0.004290	
2	4.623	4.623	0.000	508322	0.005000	0.004668	
						RPD = 8.44	
13 Heptachlor epoxide							
1	4.443	4.440	0.003	1082456	0.005000	0.004093	
2	5.223	5.223	0.000	425499	0.005000	0.004619	
						RPD = 12.08	
15 trans-Chlordane							
1	4.567	4.560	0.007	1131064	0.005000	0.004469	
2	5.423	5.423	0.000	386069	0.005000	0.004624	
						RPD = 3.40	
16 cis-Chlordane							
1	4.700	4.697	0.003	1050546	0.005000	0.004435	
2	5.577	5.577	0.000	347314	0.005000	0.004472	
						RPD = 0.83	
17 4,4'-DDE							
1	4.780	4.777	0.003	961261	0.005000	0.004207	
2	5.737	5.737	0.000	410848	0.005000	0.004804	
						RPD = 13.26	
18 Endosulfan I							
1	4.840	4.833	0.007	925694	0.005000	0.003834	
2	5.643	5.643	0.000	408944	0.005000	0.004688	
						RPD = 20.05	
20 Dieldrin							
1	5.080	5.077	0.003	1139794	0.005000	0.004137	
2	5.930	5.930	0.000	402251	0.005000	0.004665	
						RPD = 11.99	
22 Endrin							
1	5.317	5.313	0.004	1045174	0.005000	0.004124	
2	6.247	6.247	0.000	416684	0.005000	0.004786	
						RPD = 14.87	
24 4,4'-DDD							
1	5.390	5.387	0.003	809153	0.005000	0.004353	
2	6.337	6.337	0.000	331639	0.005000	0.004913	
						RPD = 12.07	
26 Endosulfan II							
1	5.547	5.540	0.007	757902	0.005000	0.003983	
2	6.463	6.463	0.000	358382	0.005000	0.004779	
						RPD = 18.16	
27 4,4'-DDT							M
1	5.673	5.670	0.003	815376	0.005000	0.004388	
2	6.663	6.663	0.000	217986	0.005000	0.005031	M
						RPD = 13.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.977	5.970	0.007	722817	0.005000	0.004396	
2	6.807	6.807	0.000	293936	0.005000	0.004754	
						RPD = 7.82	
29 Methoxychlor							
1	6.177	6.173	0.004	385710	0.005000	0.004325	
2	7.347	7.347	0.000	116342	0.005000	0.005261	
						RPD = 19.53	
31 Endosulfan sulfate							M
1	6.417	6.413	0.004	882764	0.005000	0.004544	M
2	7.090	7.090	0.000	326839	0.005000	0.004768	M
						RPD = 4.81	
32 Endrin ketone							
1	6.700	6.693	0.007	852194	0.005000	0.004517	
2	7.640	7.640	0.000	312853	0.005000	0.004826	
						RPD = 6.62	
$ 33 DCB Decachlorobiphenyl							
1	7.703	7.700	0.003	752110	0.005000	0.004717	
2	8.840	8.843	-0.003	338110	0.005000	0.005093	
						RPD = 7.68	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

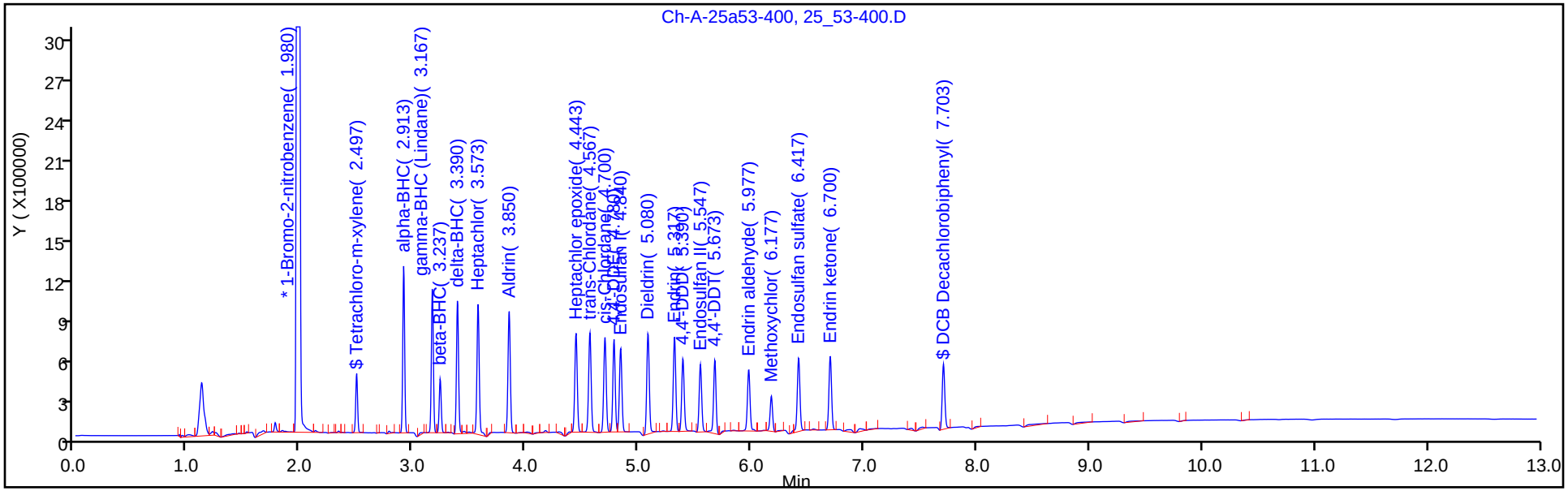
pest_cal_.005_00036 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:23 Chrom Revision: 2.3 15-Nov-2021 20:34:30

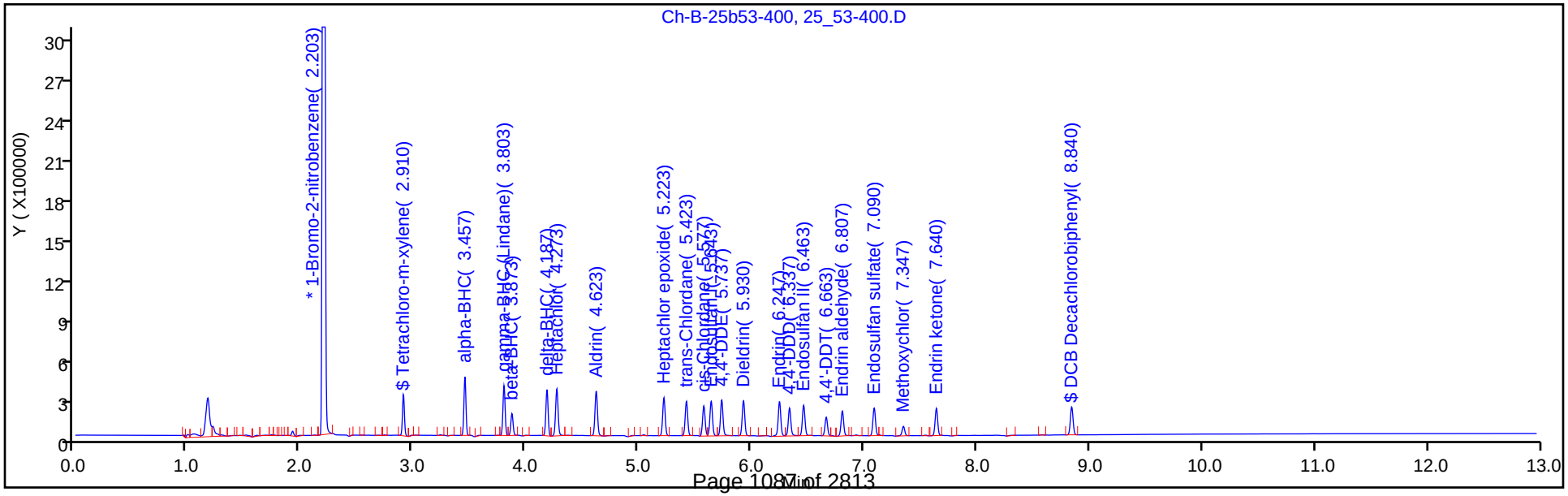
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Injection Date:	23-Dec-2021 10:46:10	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

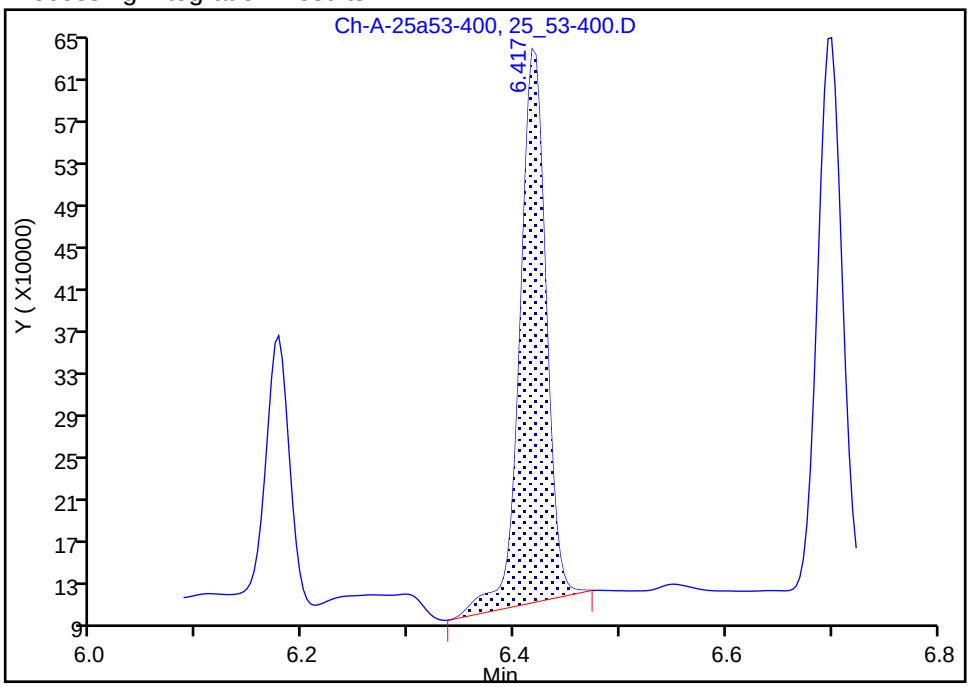
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Injection Date:	23-Dec-2021 10:46:10	Instrument ID:	HP6890-25		
Lims ID:	std5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPI (0.53 mm)	Detector	Ch-A-6A58132		

31 Endosulfan sulfate, CAS: 1031-07-8

Signal: 1

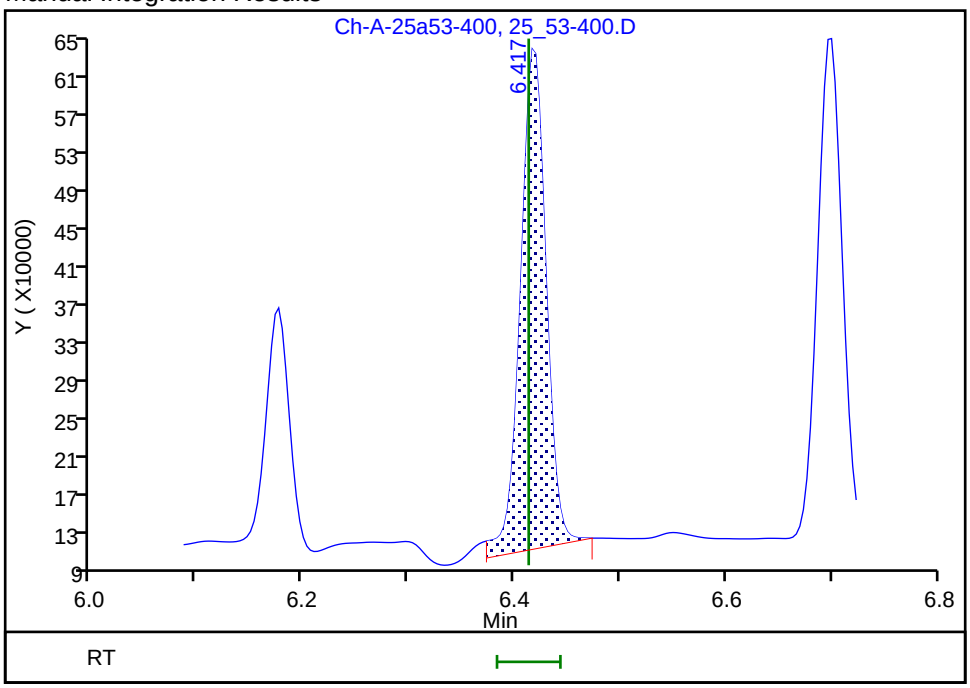
Processing Integration Results

RT: 6.42
Area: 900565
Amount: 0.004580
Amount Units: ng/ul



Manual Integration Results

RT: 6.42
Area: 882764
Amount: 0.004544
Amount Units: ng/ul



Reviewer: NearyM, 23-Dec-2021 11:16:05

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

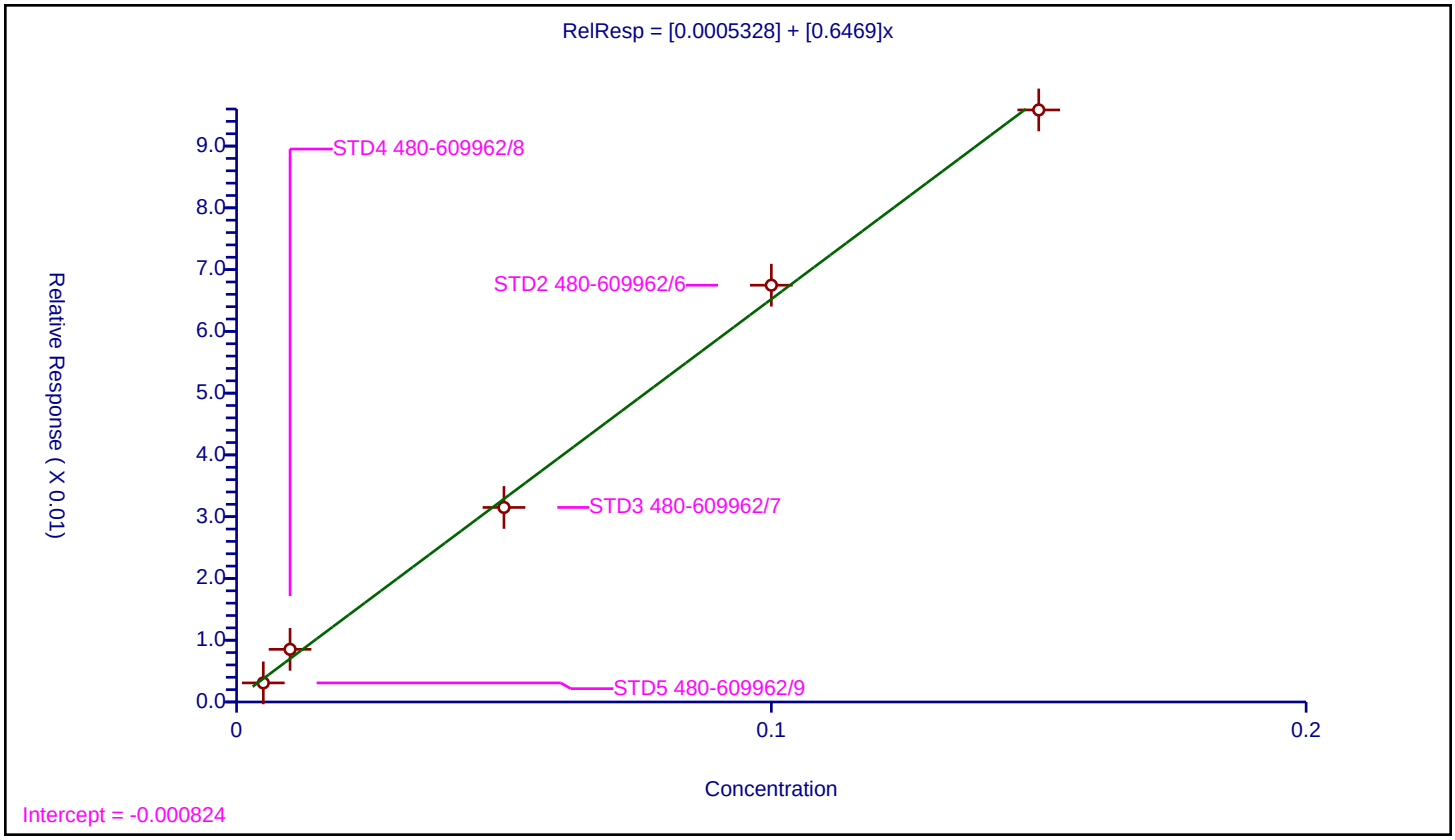
Curve Coefficients

Intercept:	0.0005328
Slope:	0.6469

Error Coefficients

Standard Error:	11200000
Relative Standard Error:	18.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.003088	0.5	80043980.0	0.61765	Y
2	STD4 480-609962/8	0.01	0.008525	0.5	72084198.0	0.852498	Y
3	STD3 480-609962/7	0.05	0.031498	0.5	81568288.0	0.629951	Y
4	STD2 480-609962/6	0.1	0.067476	0.5	79522411.0	0.674755	Y
5	STD1 480-609962/5	0.15	0.095851	0.5	79072276.0	0.639004	Y



Calibration / alpha-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

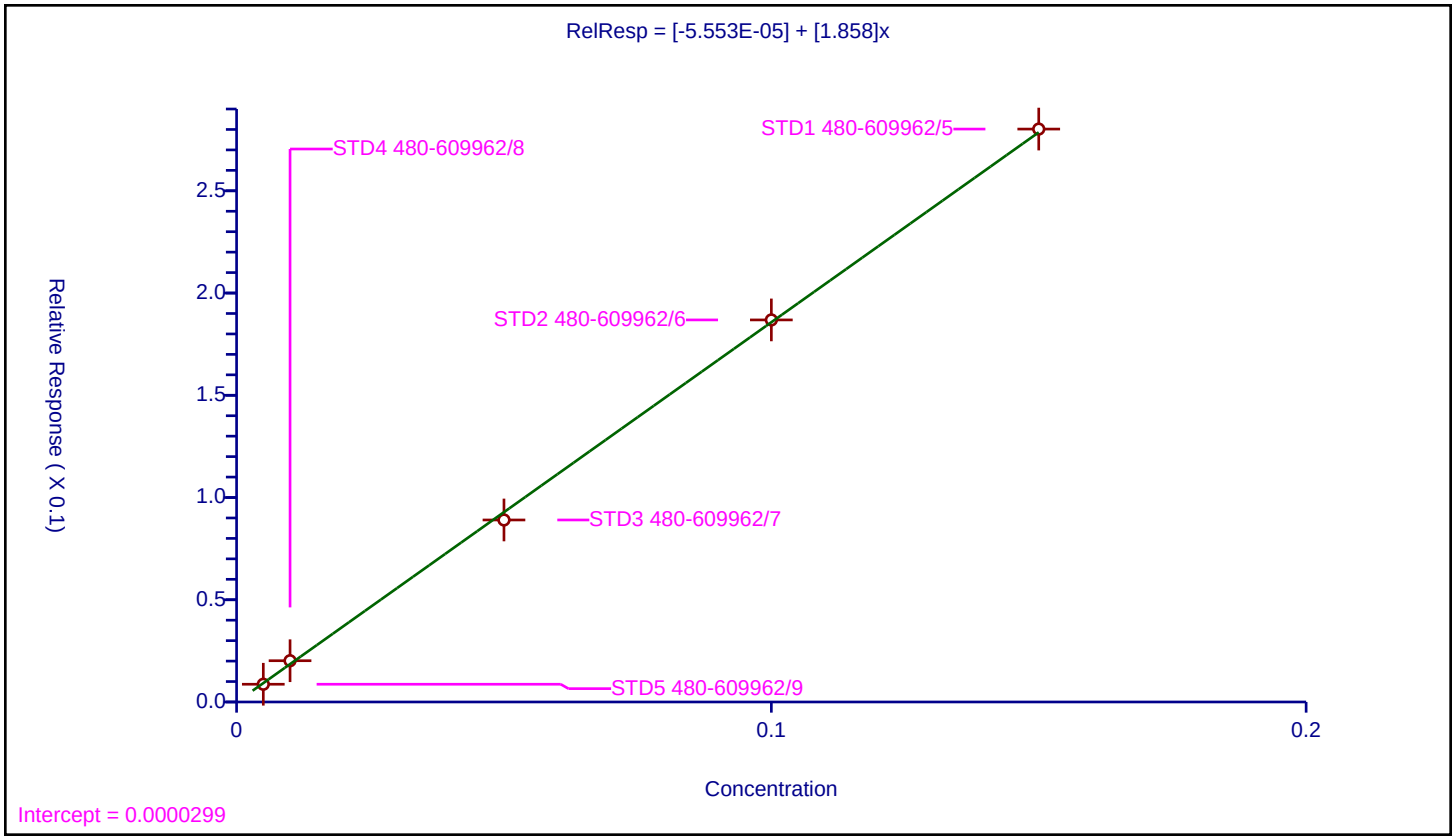
Curve Coefficients

Intercept:	-5.553E-05
Slope:	1.858

Error Coefficients

Standard Error:	32000000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.008678	0.5	80043980.0	1.735581	Y
2	STD4 480-609962/8	0.01	0.020177	0.5	72084198.0	2.017666	Y
3	STD3 480-609962/7	0.05	0.089019	0.5	81568288.0	1.780387	Y
4	STD2 480-609962/6	0.1	0.18685	0.5	79522411.0	1.868505	Y
5	STD1 480-609962/5	0.15	0.280191	0.5	79072276.0	1.867938	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

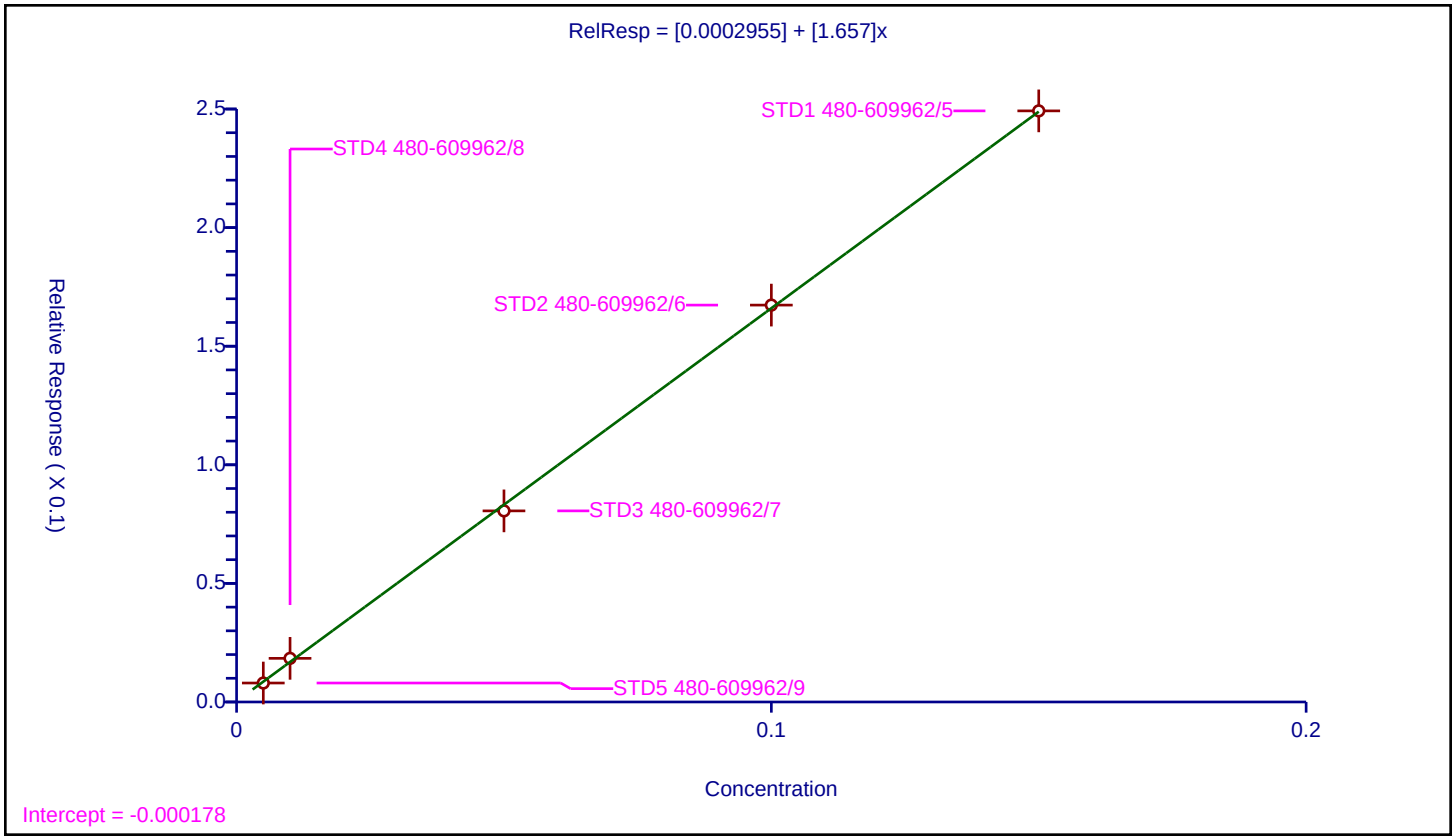
Curve Coefficients

Intercept:	0.0002955
Slope:	1.657

Error Coefficients

Standard Error:	28500000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007997	0.5	80043980.0	1.599439	Y
2	STD4 480-609962/8	0.01	0.018402	0.5	72084198.0	1.84019	Y
3	STD3 480-609962/7	0.05	0.08057	0.5	81568288.0	1.611404	Y
4	STD2 480-609962/6	0.1	0.167334	0.5	79522411.0	1.673342	Y
5	STD1 480-609962/5	0.15	0.249211	0.5	79072276.0	1.661408	Y



Calibration / beta-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

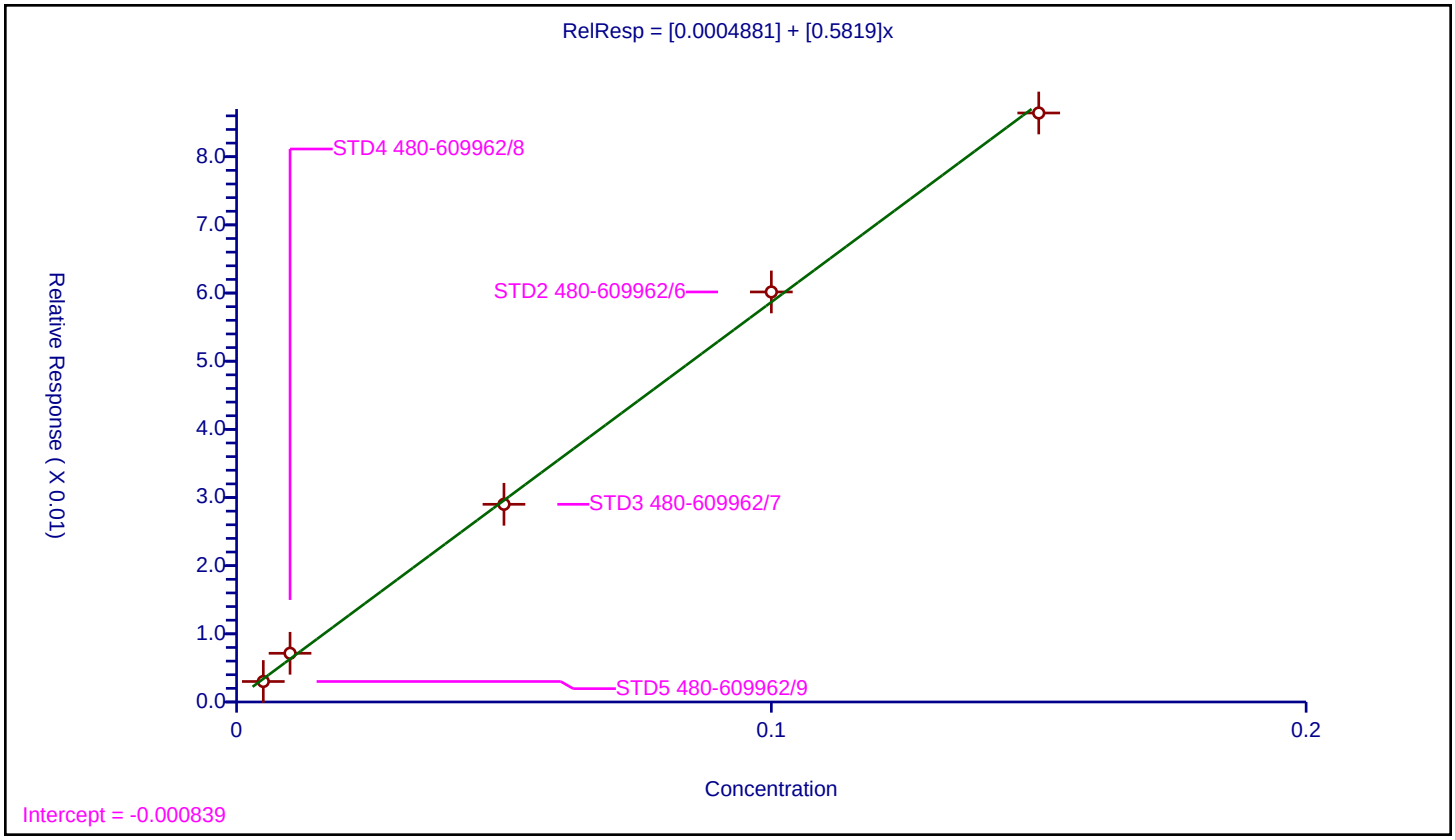
Curve Coefficients

Intercept:	0.0004881
Slope:	0.5819

Error Coefficients

Standard Error:	10000000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.003007	0.5	80043980.0	0.601317	Y
2	STD4 480-609962/8	0.01	0.007147	0.5	72084198.0	0.714655	Y
3	STD3 480-609962/7	0.05	0.029005	0.5	81568288.0	0.580105	Y
4	STD2 480-609962/6	0.1	0.060162	0.5	79522411.0	0.601616	Y
5	STD1 480-609962/5	0.15	0.086417	0.5	79072276.0	0.576116	Y



Calibration / delta-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

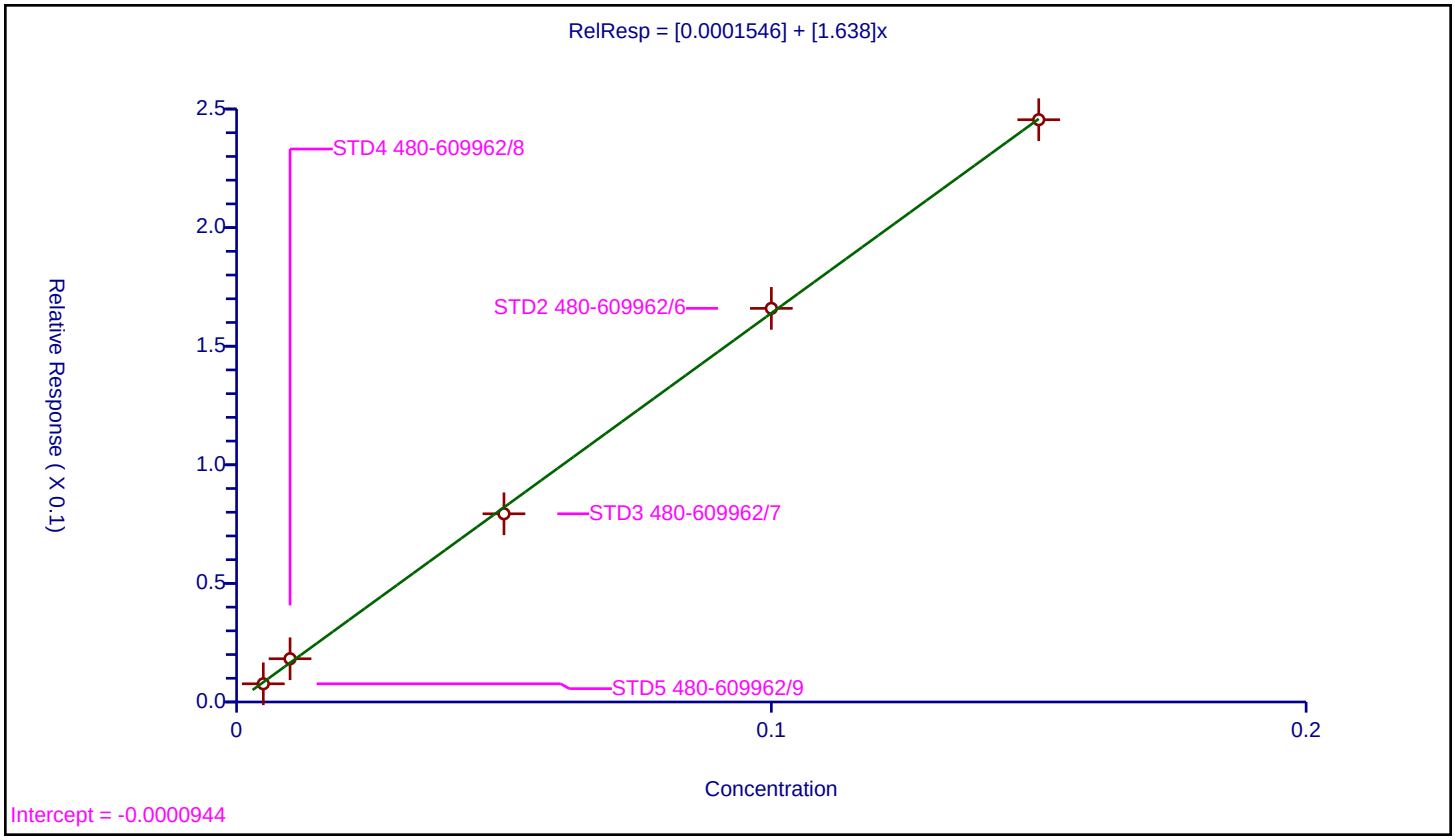
Curve Coefficients

Intercept:	0.0001546
Slope:	1.638

Error Coefficients

Standard Error:	28200000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007678	0.5	80043980.0	1.535625	Y
2	STD4 480-609962/8	0.01	0.018226	0.5	72084198.0	1.822571	Y
3	STD3 480-609962/7	0.05	0.079349	0.5	81568288.0	1.58698	Y
4	STD2 480-609962/6	0.1	0.165948	0.5	79522411.0	1.659476	Y
5	STD1 480-609962/5	0.15	0.245494	0.5	79072276.0	1.636624	Y



Calibration / Heptachlor

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

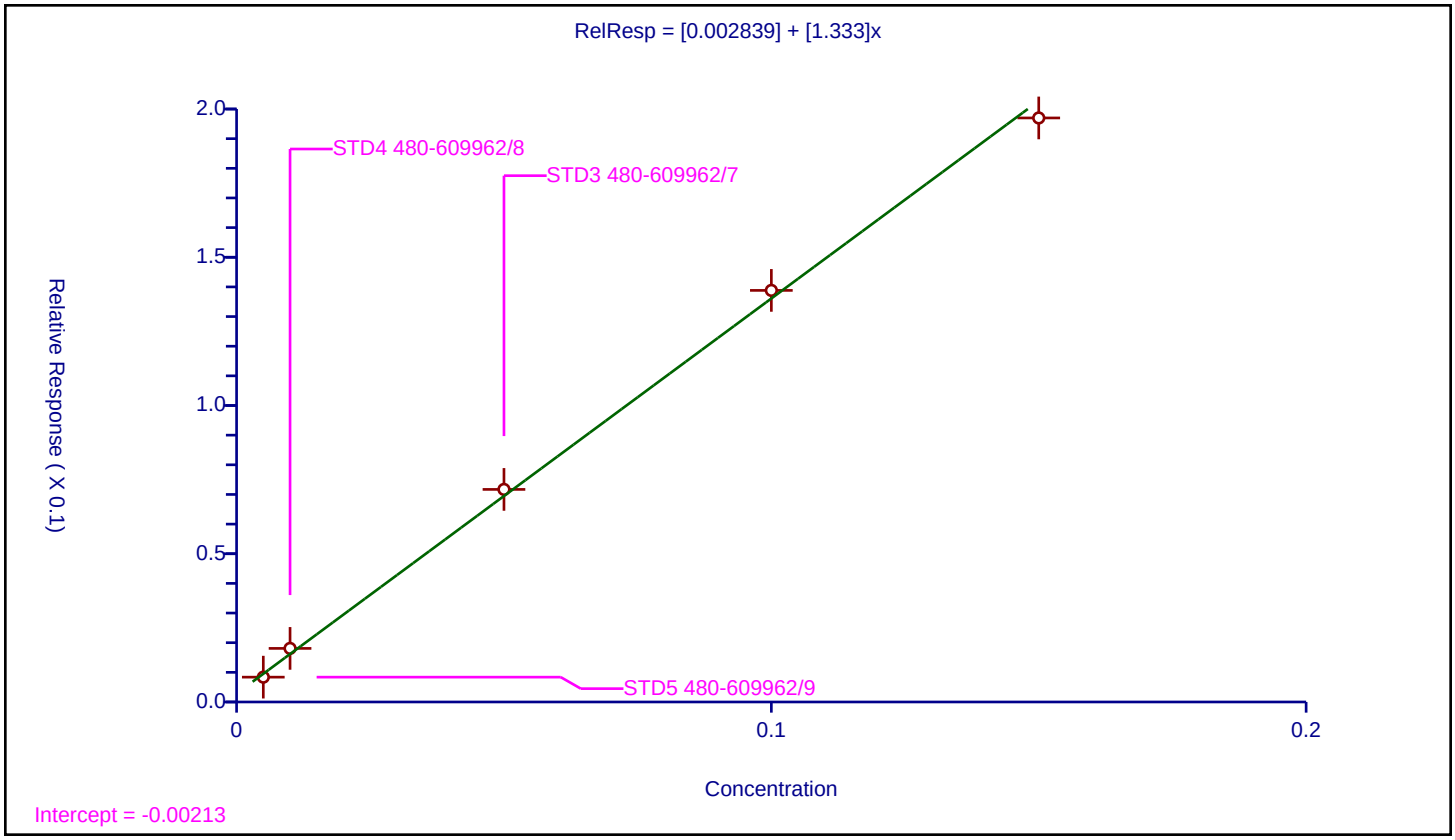
Curve Coefficients

Intercept:	0.002839
Slope:	1.333

Error Coefficients

Standard Error:	23100000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.00838	0.5	80043980.0	1.676095	Y
2	STD4 480-609962/8	0.01	0.018072	0.5	72084198.0	1.807189	Y
3	STD3 480-609962/7	0.05	0.071699	0.5	81568288.0	1.433975	Y
4	STD2 480-609962/6	0.1	0.138825	0.5	79522411.0	1.388252	Y
5	STD1 480-609962/5	0.15	0.196985	0.5	79072276.0	1.313231	Y



Calibration / Aldrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

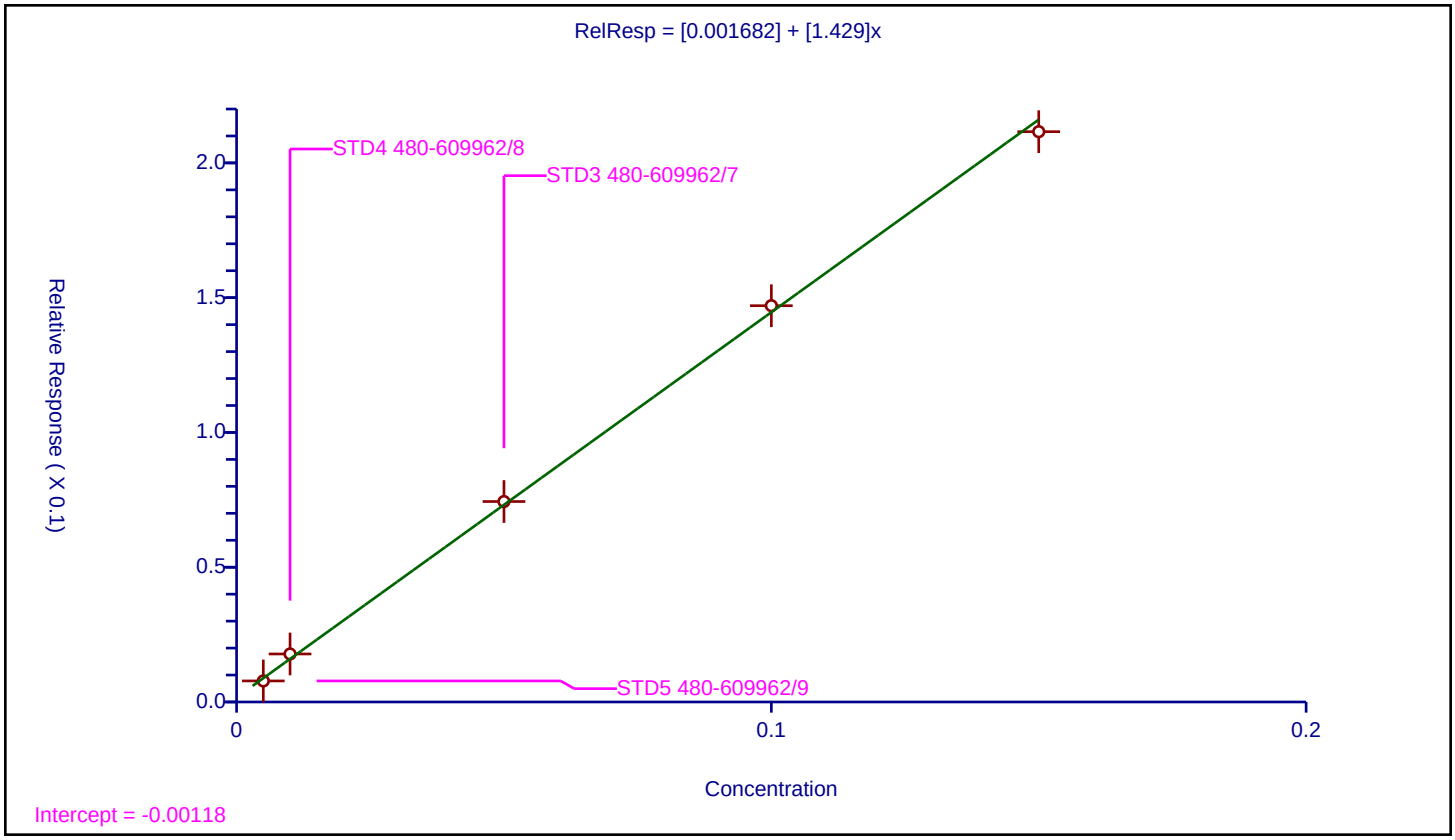
Curve Coefficients

Intercept:	0.001682
Slope:	1.429

Error Coefficients

Standard Error:	24600000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007814	0.5	80043980.0	1.562821	Y
2	STD4 480-609962/8	0.01	0.017814	0.5	72084198.0	1.781363	Y
3	STD3 480-609962/7	0.05	0.074372	0.5	81568288.0	1.487443	Y
4	STD2 480-609962/6	0.1	0.147025	0.5	79522411.0	1.47025	Y
5	STD1 480-609962/5	0.15	0.211594	0.5	79072276.0	1.410628	Y



Calibration / Heptachlor epoxide

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

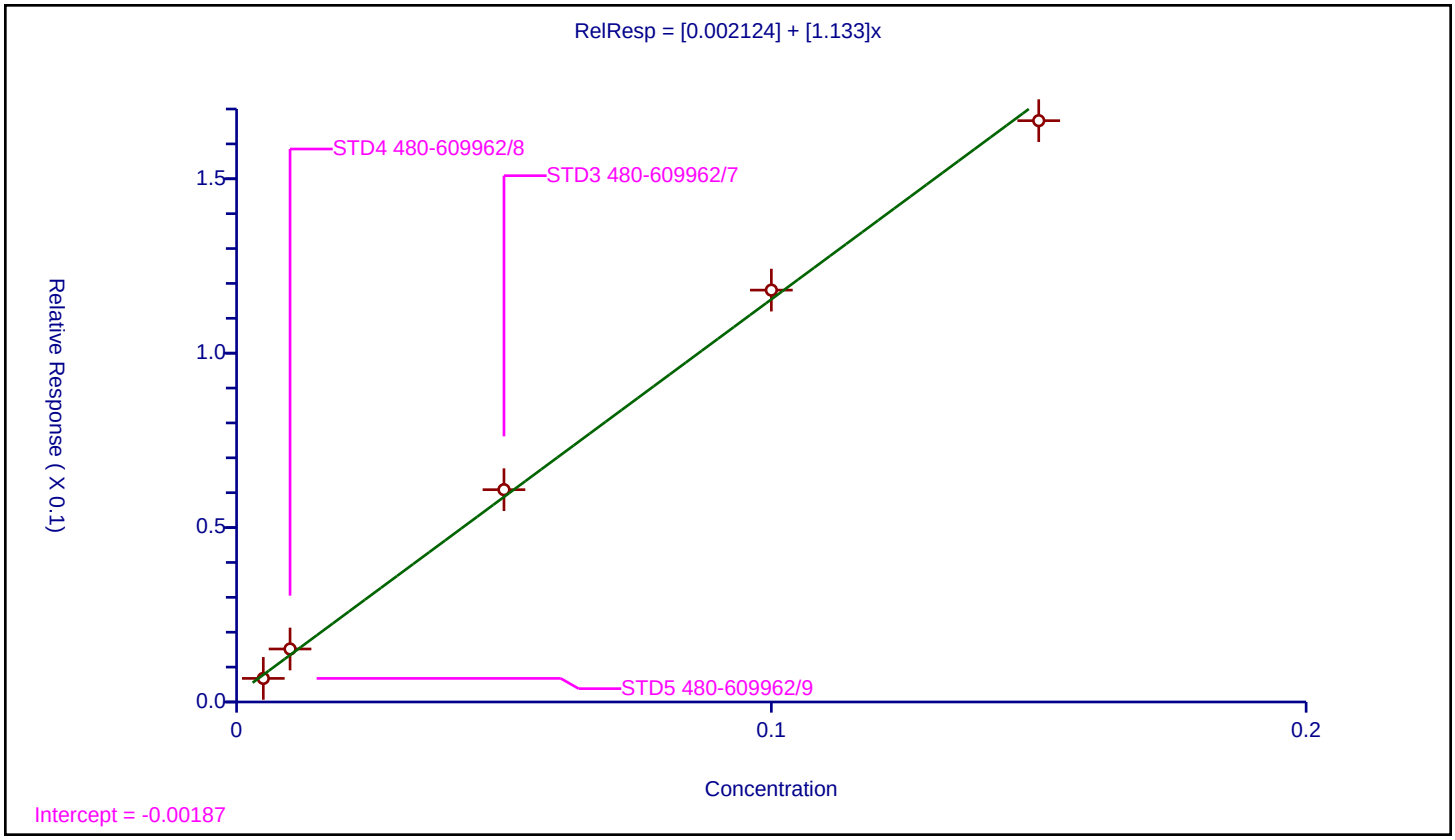
Curve Coefficients

Intercept:	0.002124
Slope:	1.133

Error Coefficients

Standard Error:	19600000
Relative Standard Error:	14.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006762	0.5	80043980.0	1.352327	Y
2	STD4 480-609962/8	0.01	0.015192	0.5	72084198.0	1.519226	Y
3	STD3 480-609962/7	0.05	0.060868	0.5	81568288.0	1.217356	Y
4	STD2 480-609962/6	0.1	0.118086	0.5	79522411.0	1.180858	Y
5	STD1 480-609962/5	0.15	0.166661	0.5	79072276.0	1.111071	Y



Calibration / trans-Chlordane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

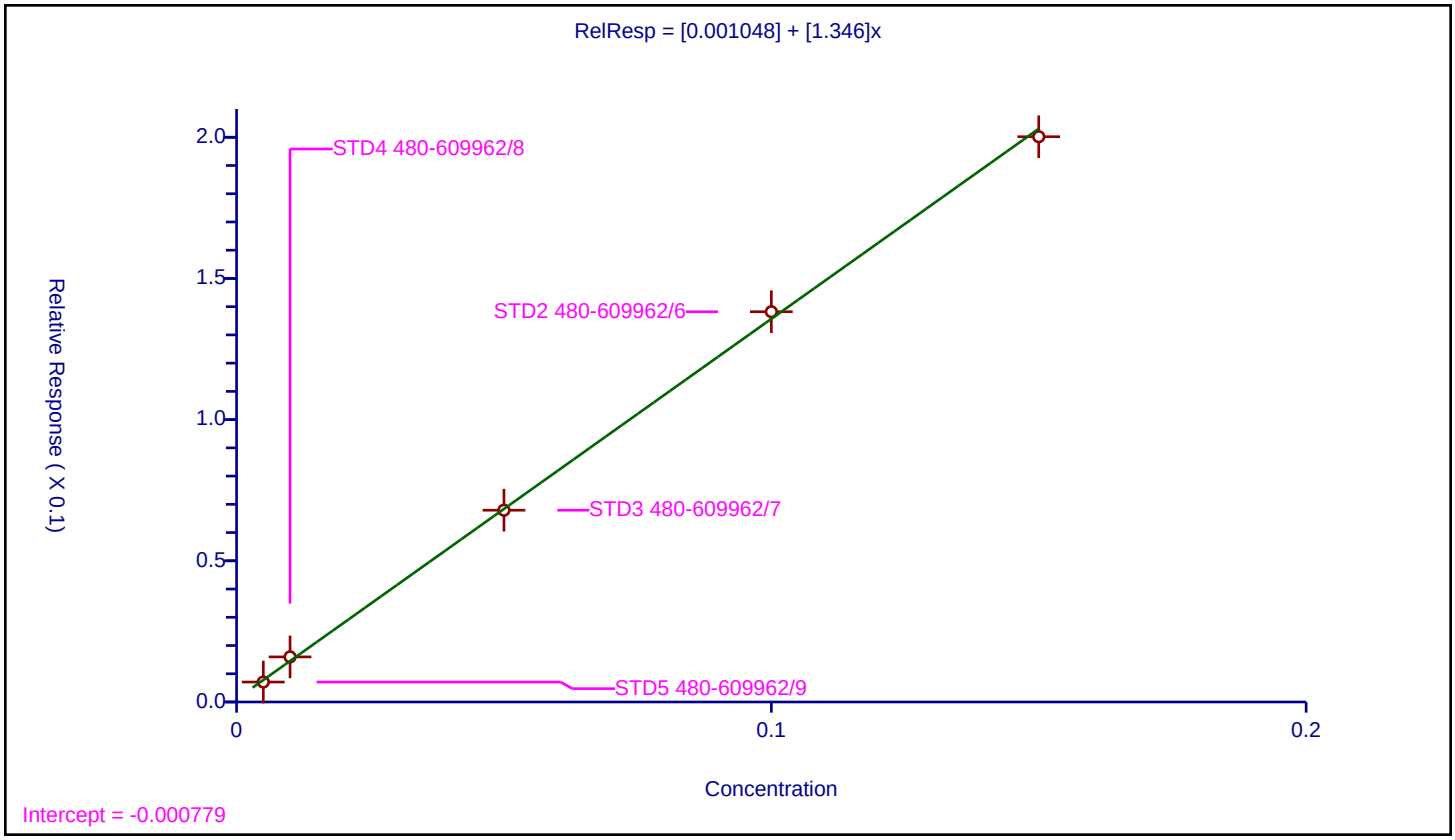
Curve Coefficients

Intercept:	0.001048
Slope:	1.346

Error Coefficients

Standard Error:	23200000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007065	0.5	80043980.0	1.413053	Y
2	STD4 480-609962/8	0.01	0.015967	0.5	72084198.0	1.596732	Y
3	STD3 480-609962/7	0.05	0.067912	0.5	81568288.0	1.358236	Y
4	STD2 480-609962/6	0.1	0.138209	0.5	79522411.0	1.38209	Y
5	STD1 480-609962/5	0.15	0.20019	0.5	79072276.0	1.3346	Y



Calibration / cis-Chlordane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

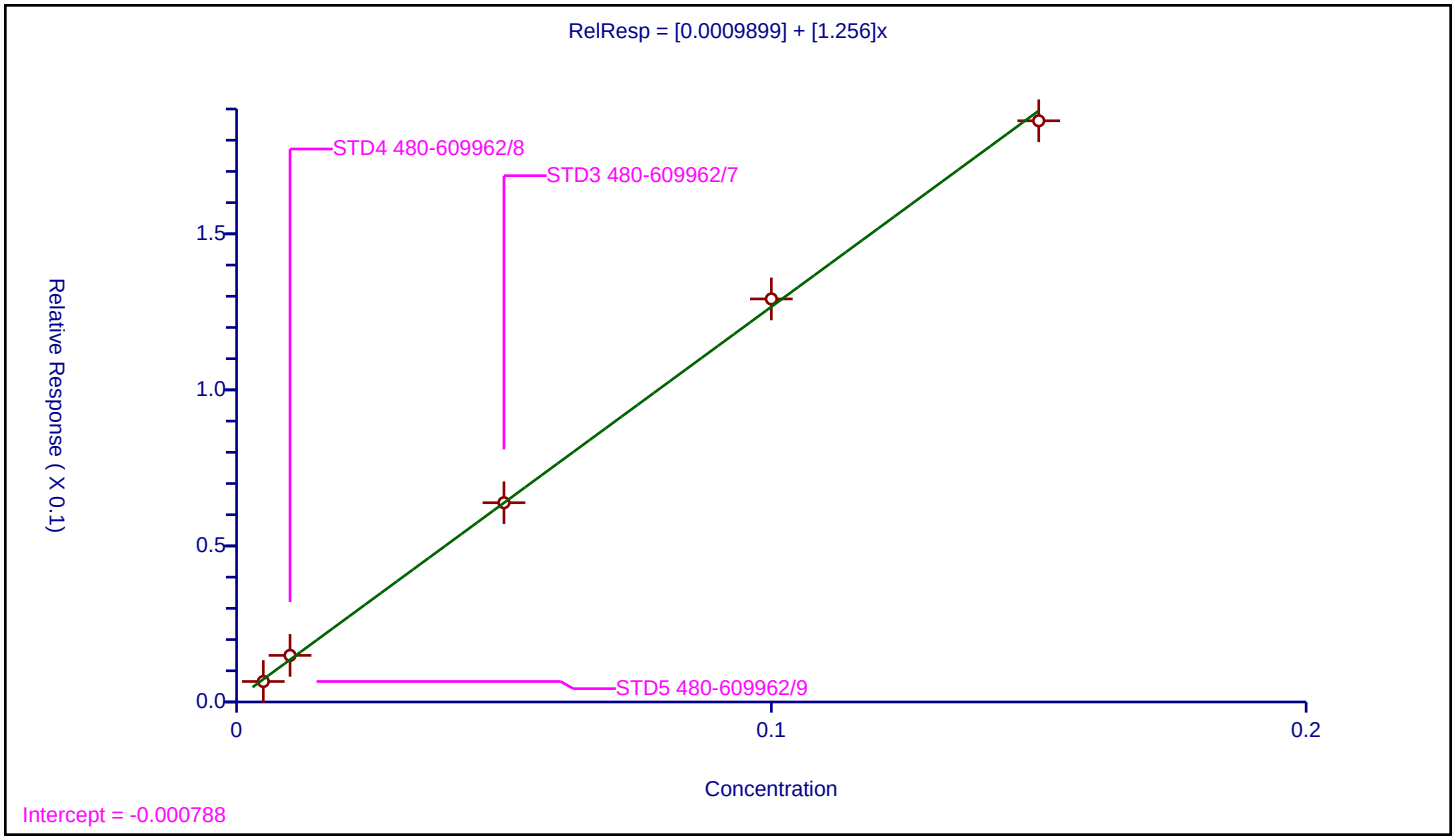
Curve Coefficients

Intercept:	0.0009899
Slope:	1.256

Error Coefficients

Standard Error:	21600000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006562	0.5	80043980.0	1.312461	Y
2	STD4 480-609962/8	0.01	0.014928	0.5	72084198.0	1.492833	Y
3	STD3 480-609962/7	0.05	0.063849	0.5	81568288.0	1.276976	Y
4	STD2 480-609962/6	0.1	0.129145	0.5	79522411.0	1.291449	Y
5	STD1 480-609962/5	0.15	0.186231	0.5	79072276.0	1.241537	Y



Calibration / 4,4'-DDE

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

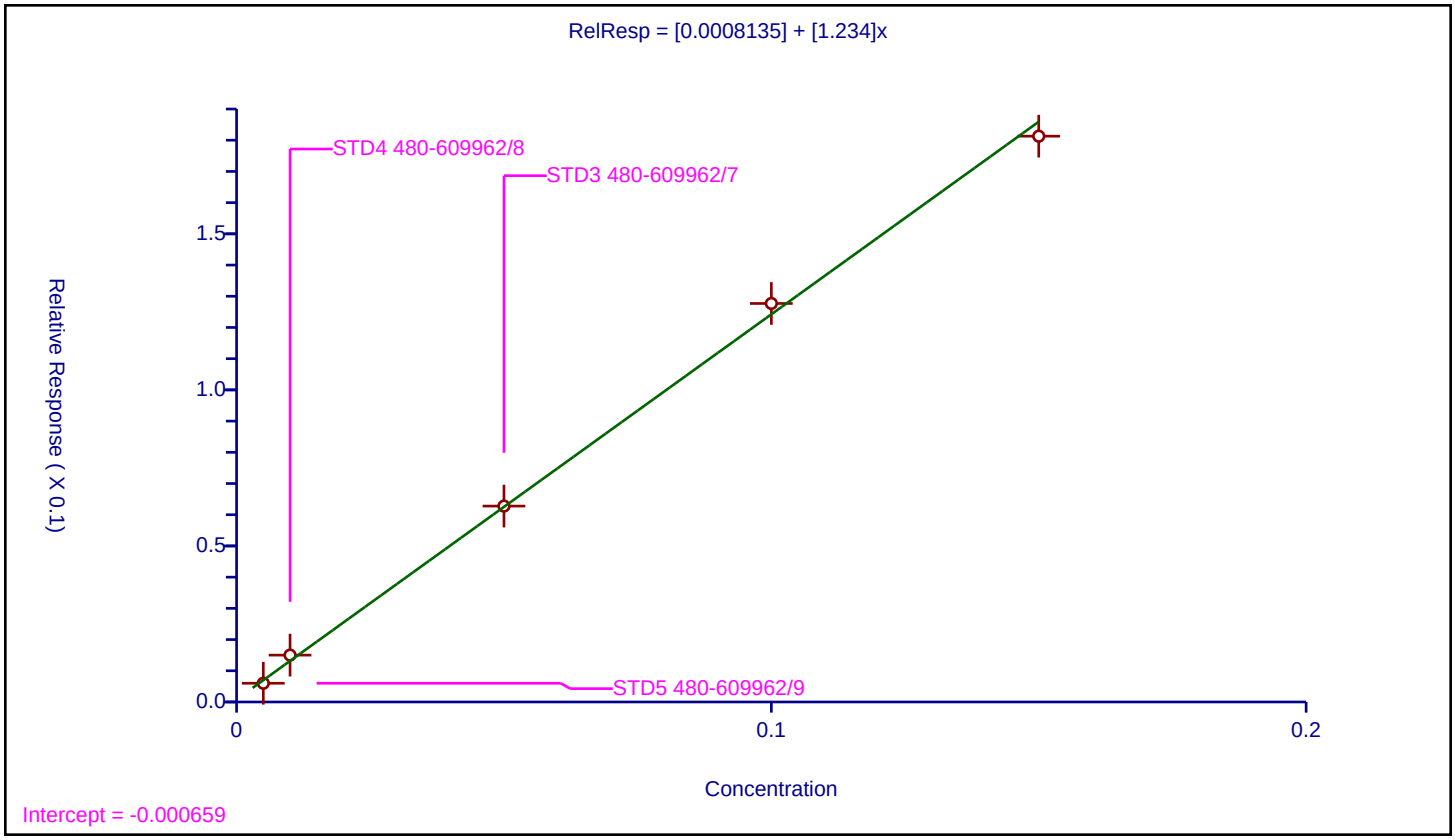
Curve Coefficients

Intercept:	0.0008135
Slope:	1.234

Error Coefficients

Standard Error:	21200000
Relative Standard Error:	12.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006005	0.5	80043980.0	1.200916	Y
2	STD4 480-609962/8	0.01	0.015021	0.5	72084198.0	1.502083	Y
3	STD3 480-609962/7	0.05	0.062771	0.5	81568288.0	1.255413	Y
4	STD2 480-609962/6	0.1	0.127697	0.5	79522411.0	1.276973	Y
5	STD1 480-609962/5	0.15	0.181292	0.5	79072276.0	1.208612	Y



Calibration / Endosulfan I

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

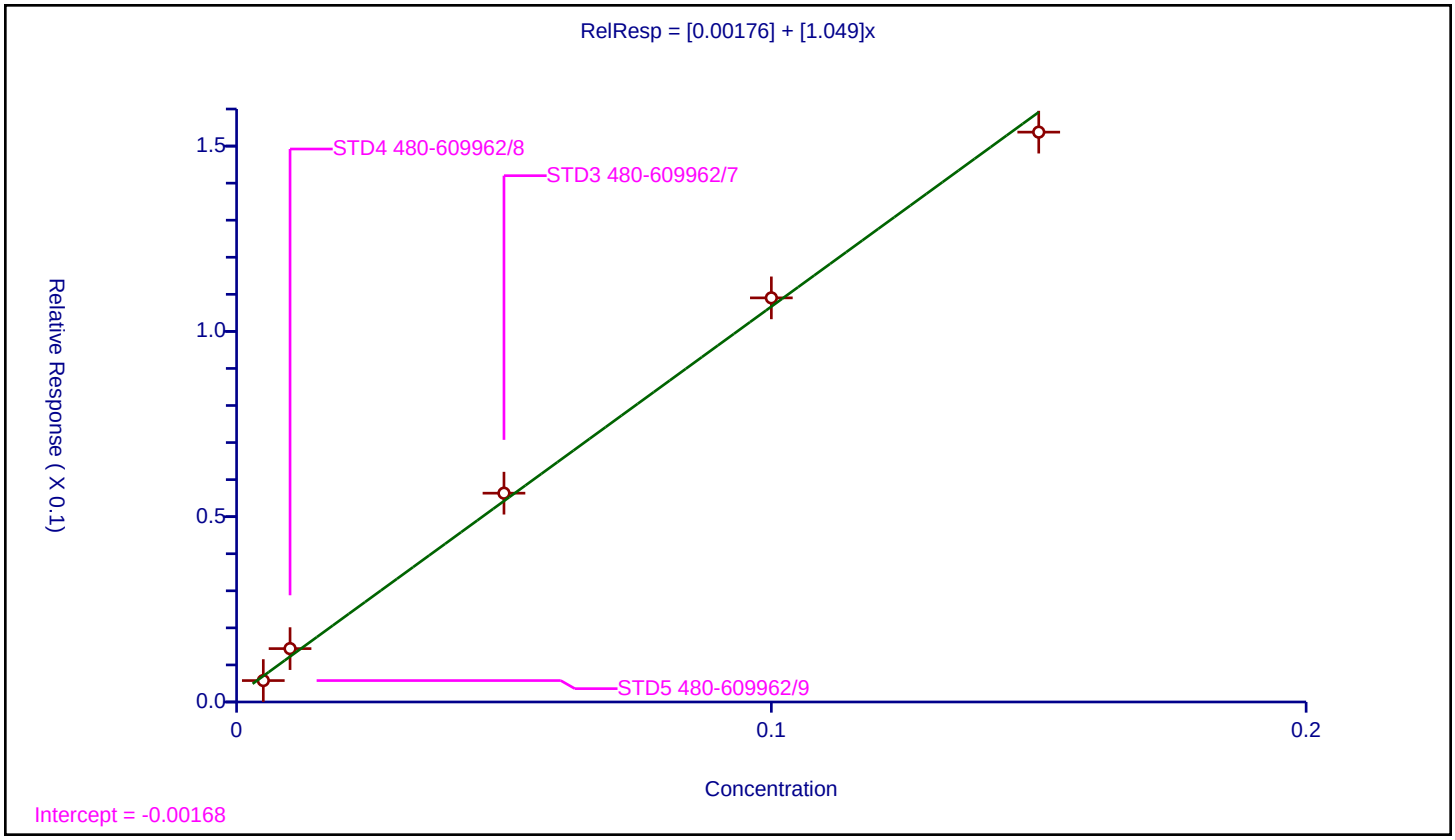
Curve Coefficients

Intercept:	0.00176
Slope:	1.049

Error Coefficients

Standard Error:	18100000
Relative Standard Error:	18.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005782	0.5	80043980.0	1.156482	Y
2	STD4 480-609962/8	0.01	0.014401	0.5	72084198.0	1.440121	Y
3	STD3 480-609962/7	0.05	0.056343	0.5	81568288.0	1.126869	Y
4	STD2 480-609962/6	0.1	0.109042	0.5	79522411.0	1.090416	Y
5	STD1 480-609962/5	0.15	0.153762	0.5	79072276.0	1.025082	Y



Calibration / Dieldrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

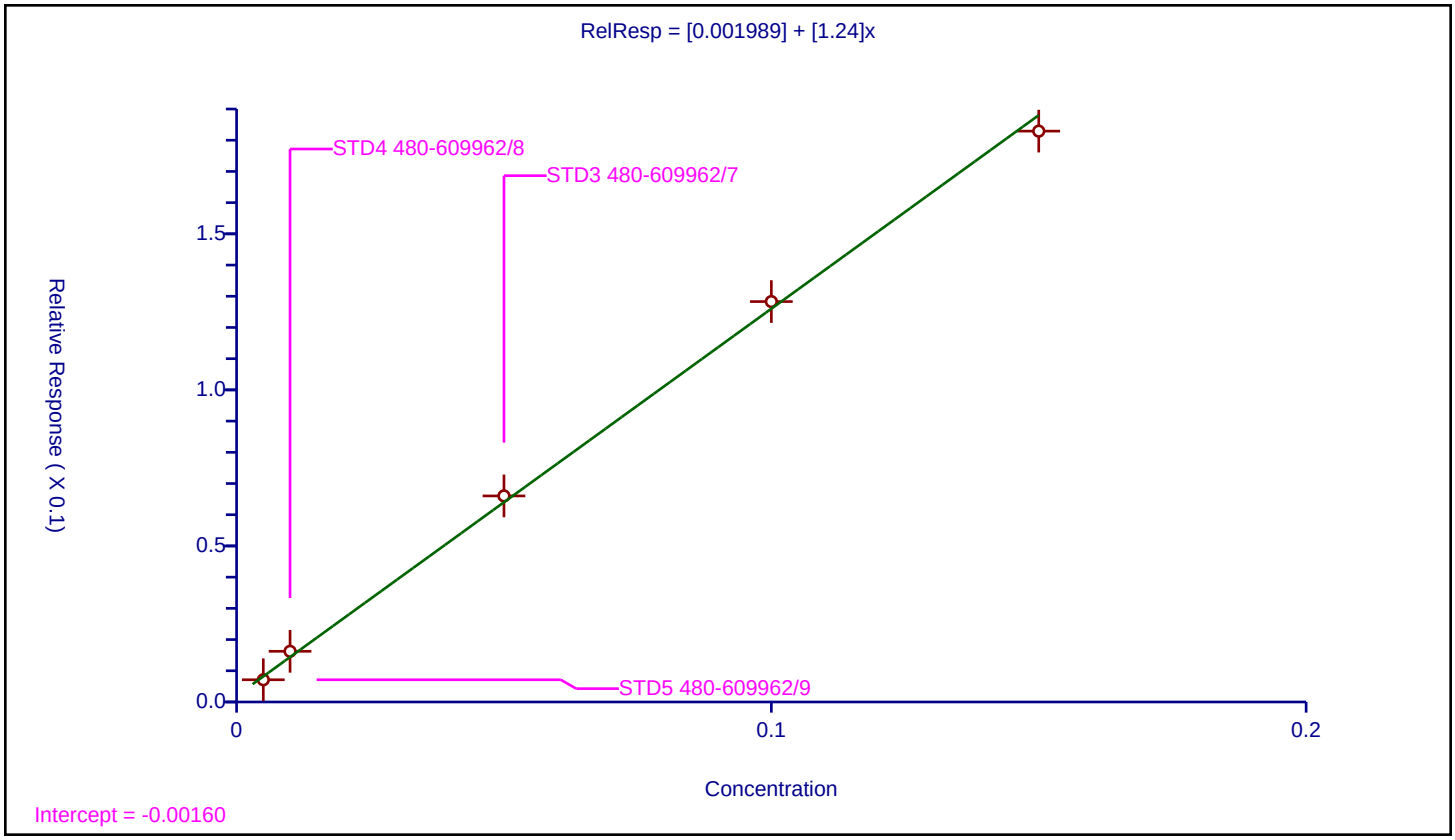
Curve Coefficients

Intercept:	0.001989
Slope:	1.24

Error Coefficients

Standard Error:	21400000
Relative Standard Error:	13.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.00712	0.5	80043980.0	1.42396	Y
2	STD4 480-609962/8	0.01	0.016236	0.5	72084198.0	1.623565	Y
3	STD3 480-609962/7	0.05	0.066031	0.5	81568288.0	1.320629	Y
4	STD2 480-609962/6	0.1	0.128304	0.5	79522411.0	1.283041	Y
5	STD1 480-609962/5	0.15	0.182913	0.5	79072276.0	1.219421	Y



Calibration / Endrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

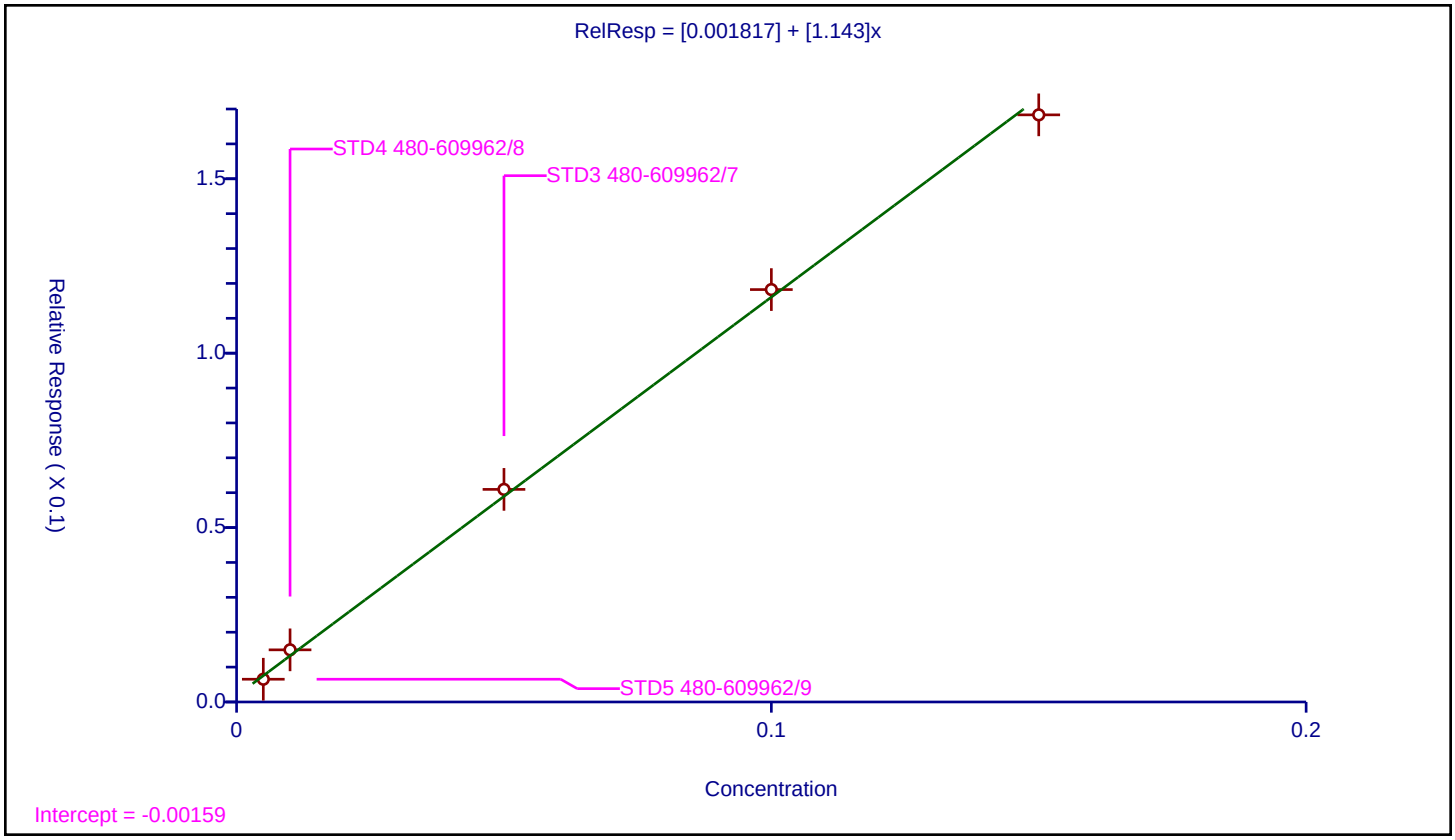
Curve Coefficients

Intercept:	0.001817
Slope:	1.143

Error Coefficients

Standard Error:	19700000
Relative Standard Error:	13.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006529	0.5	80043980.0	1.30575	Y
2	STD4 480-609962/8	0.01	0.014953	0.5	72084198.0	1.49531	Y
3	STD3 480-609962/7	0.05	0.06095	0.5	81568288.0	1.219007	Y
4	STD2 480-609962/6	0.1	0.118238	0.5	79522411.0	1.18238	Y
5	STD1 480-609962/5	0.15	0.168324	0.5	79072276.0	1.122163	Y



Calibration / 4,4'-DDD

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

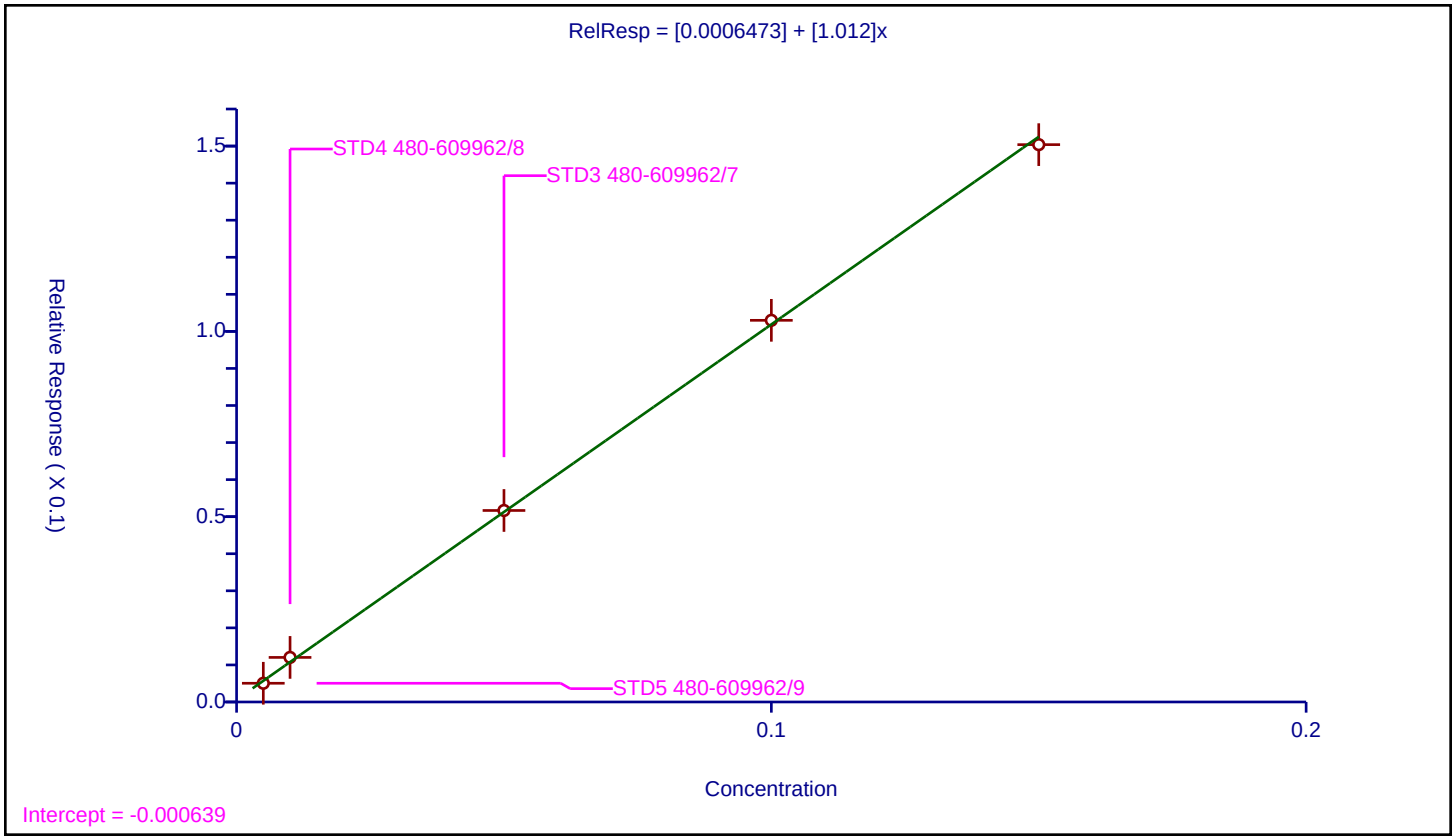
Curve Coefficients

Intercept:	0.0006473
Slope:	1.012

Error Coefficients

Standard Error:	17400000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005054	0.5	80043980.0	1.010886	Y
2	STD4 480-609962/8	0.01	0.012029	0.5	72084198.0	1.202884	Y
3	STD3 480-609962/7	0.05	0.051674	0.5	81568288.0	1.033485	Y
4	STD2 480-609962/6	0.1	0.102985	0.5	79522411.0	1.029851	Y
5	STD1 480-609962/5	0.15	0.150384	0.5	79072276.0	1.002557	Y



Calibration / Endosulfan II

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

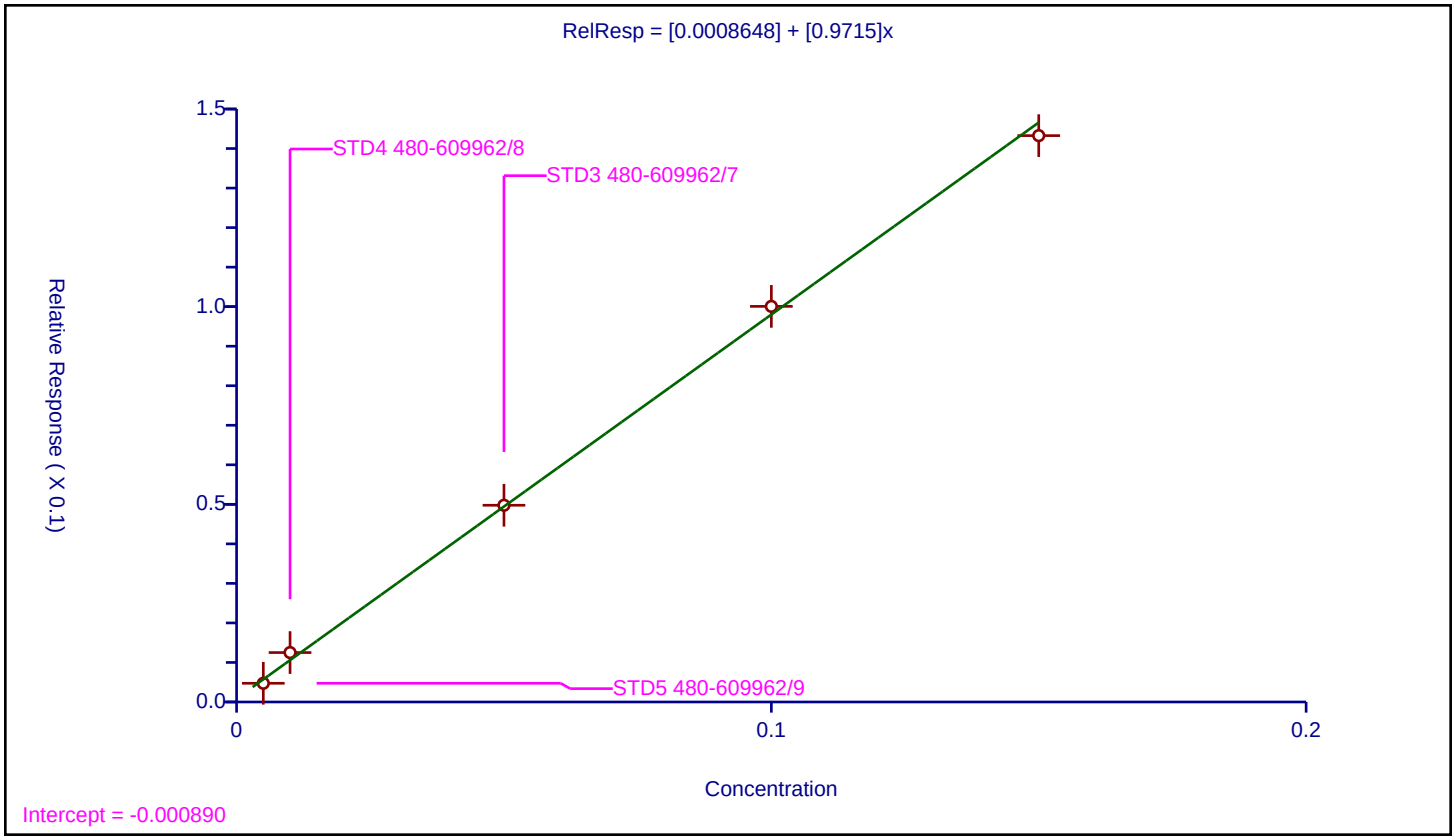
Curve Coefficients

Intercept:	0.0008648
Slope:	0.9715

Error Coefficients

Standard Error:	16700000
Relative Standard Error:	16.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.004734	0.5	80043980.0	0.946857	Y
2	STD4 480-609962/8	0.01	0.012506	0.5	72084198.0	1.250591	Y
3	STD3 480-609962/7	0.05	0.049765	0.5	81568288.0	0.995308	Y
4	STD2 480-609962/6	0.1	0.100073	0.5	79522411.0	1.000725	Y
5	STD1 480-609962/5	0.15	0.143265	0.5	79072276.0	0.955098	Y



Calibration / 4,4'-DDT

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

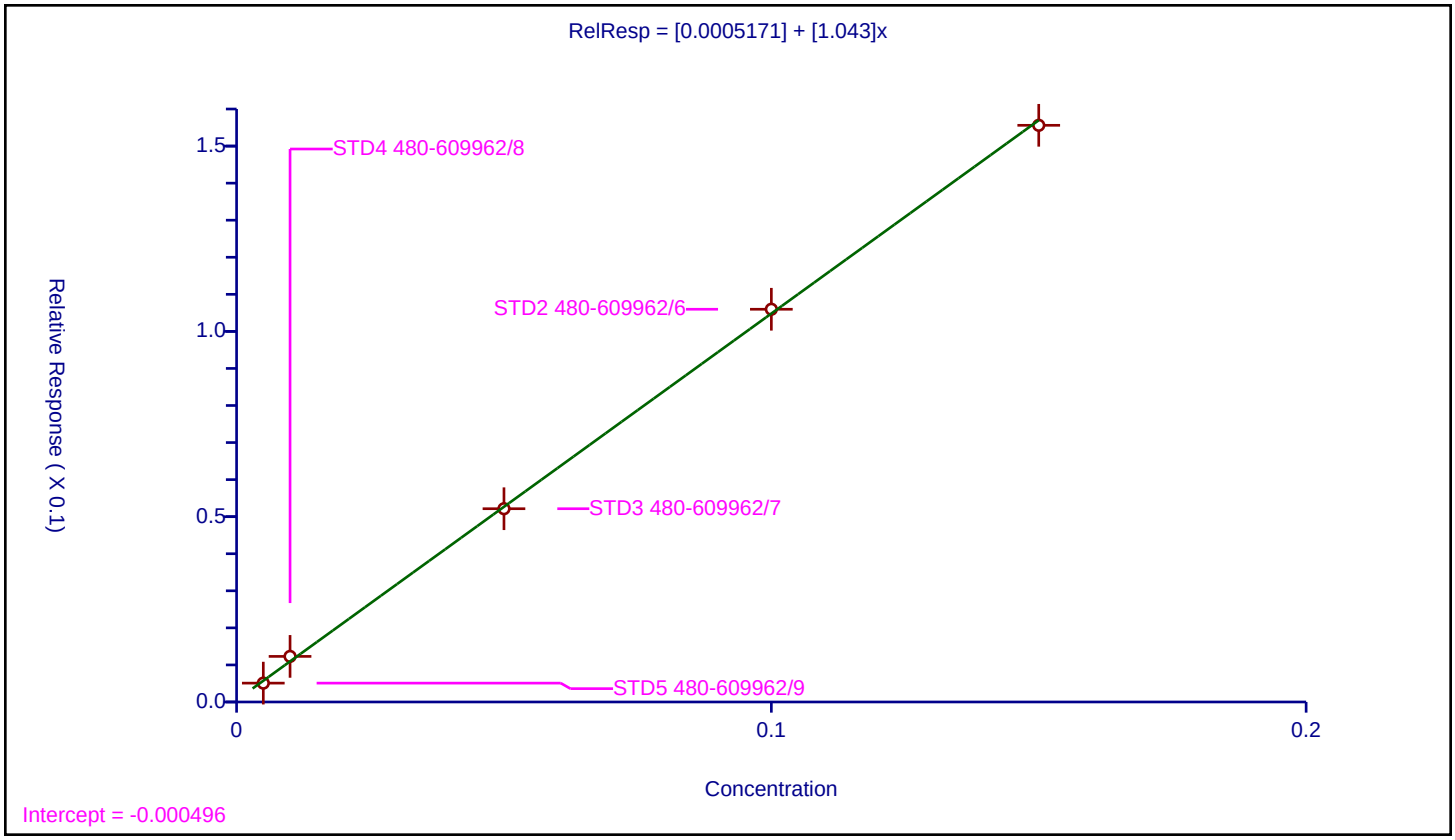
Curve Coefficients

Intercept:	0.0005171
Slope:	1.043

Error Coefficients

Standard Error:	17900000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005093	0.5	80043980.0	1.01866	Y
2	STD4 480-609962/8	0.01	0.012302	0.5	72084198.0	1.230222	Y
3	STD3 480-609962/7	0.05	0.052147	0.5	81568288.0	1.042949	Y
4	STD2 480-609962/6	0.1	0.105971	0.5	79522411.0	1.059711	Y
5	STD1 480-609962/5	0.15	0.155605	0.5	79072276.0	1.037367	Y



Calibration / Endrin aldehyde

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

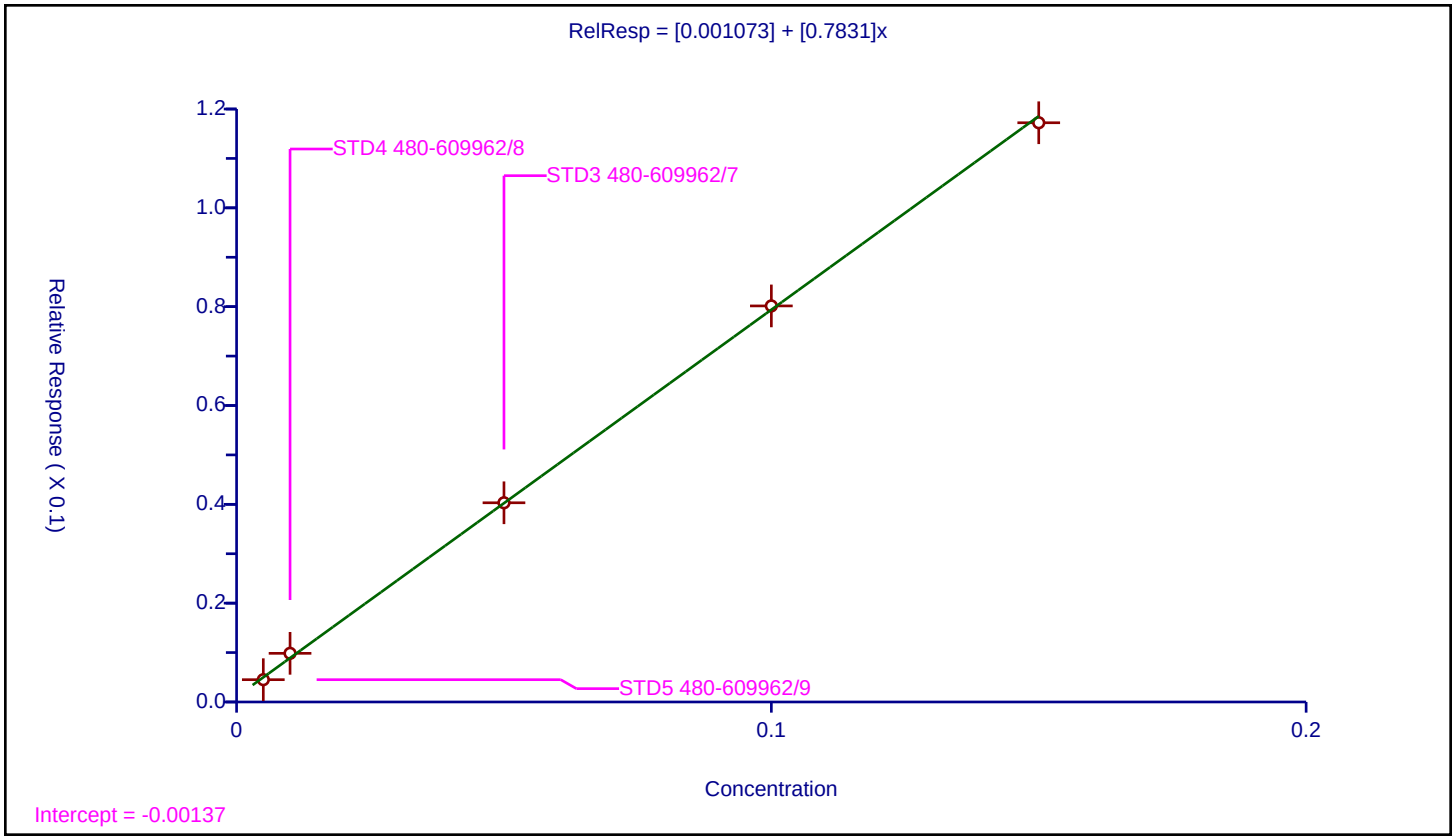
Curve Coefficients

Intercept:	0.001073
Slope:	0.7831

Error Coefficients

Standard Error:	13600000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.004515	0.5	80043980.0	0.903025	Y
2	STD4 480-609962/8	0.01	0.009844	0.5	72084198.0	0.984415	Y
3	STD3 480-609962/7	0.05	0.040317	0.5	81568288.0	0.806347	Y
4	STD2 480-609962/6	0.1	0.080152	0.5	79522411.0	0.801524	Y
5	STD1 480-609962/5	0.15	0.117223	0.5	79072276.0	0.781489	Y



Calibration / Methoxychlor

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

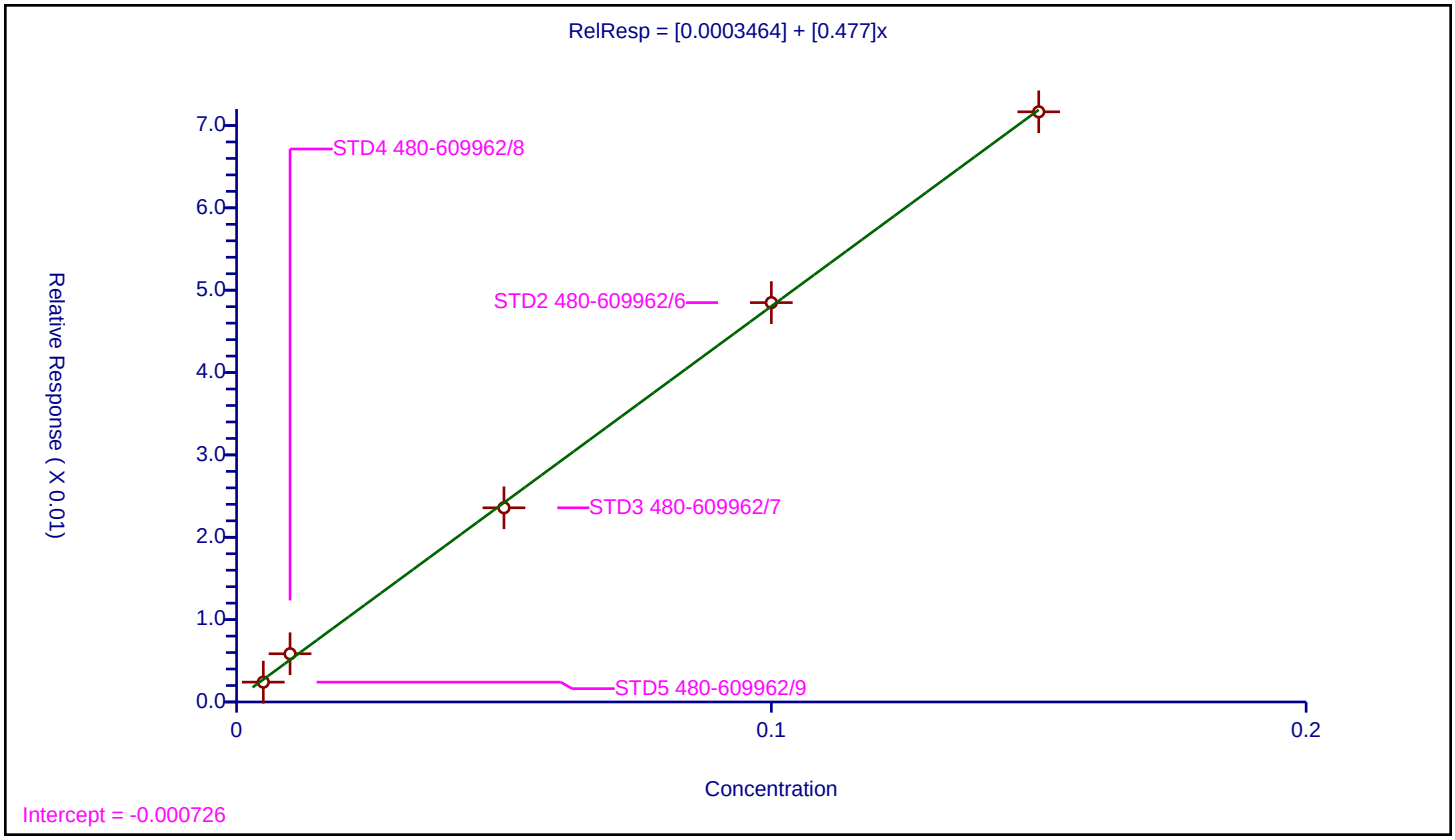
Curve Coefficients

Intercept:	0.0003464
Slope:	0.477

Error Coefficients

Standard Error:	8240000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.002409	0.5	80043980.0	0.481873	Y
2	STD4 480-609962/8	0.01	0.005857	0.5	72084198.0	0.585678	Y
3	STD3 480-609962/7	0.05	0.023579	0.5	81568288.0	0.471586	Y
4	STD2 480-609962/6	0.1	0.048492	0.5	79522411.0	0.484922	Y
5	STD1 480-609962/5	0.15	0.071659	0.5	79072276.0	0.477729	Y



Calibration / Endosulfan sulfate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

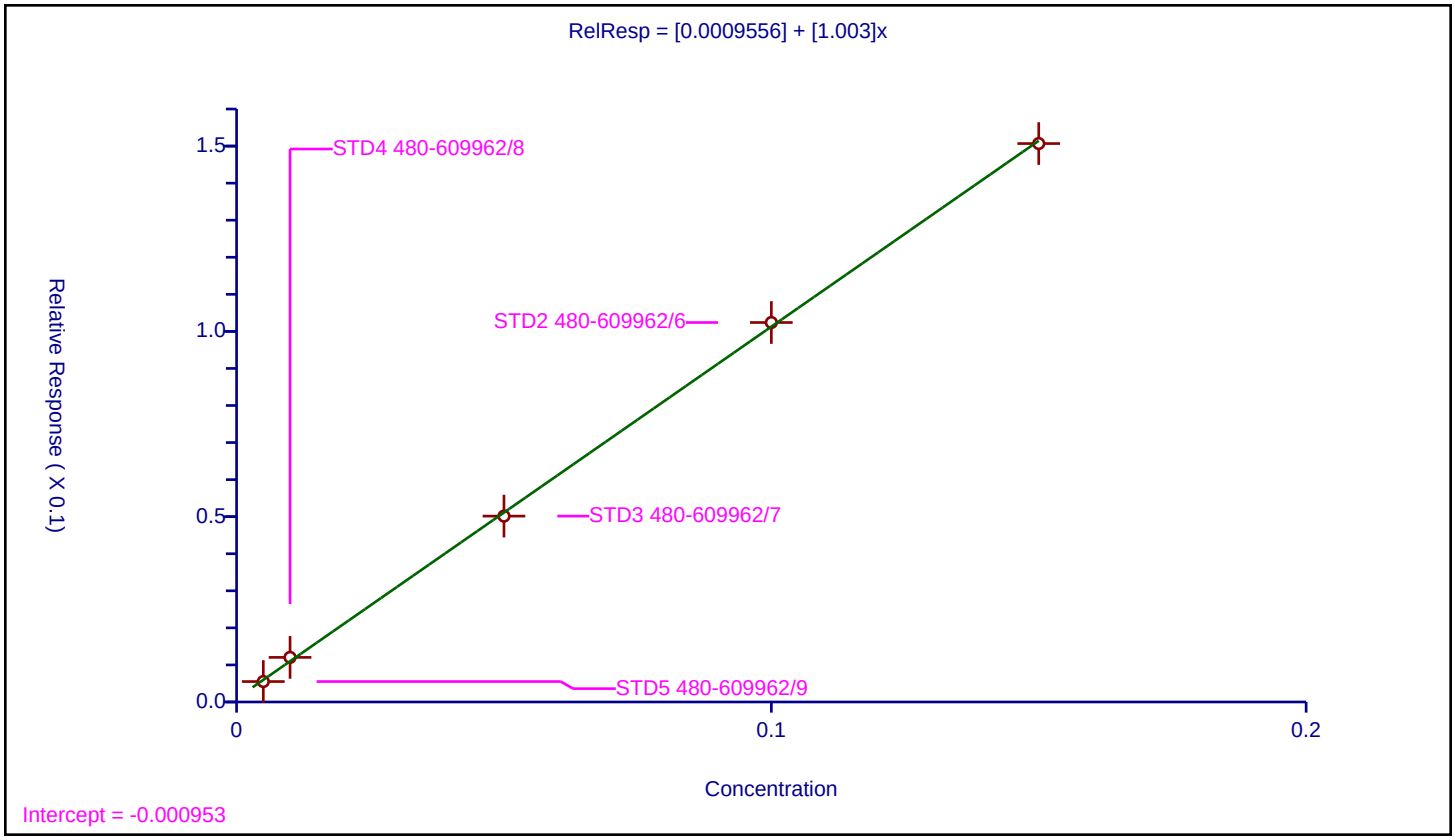
Curve Coefficients

Intercept:	0.0009556
Slope:	1.003

Error Coefficients

Standard Error:	17400000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005514	0.5	80043980.0	1.102849	Y
2	STD4 480-609962/8	0.01	0.012032	0.5	72084198.0	1.20317	Y
3	STD3 480-609962/7	0.05	0.050153	0.5	81568288.0	1.003069	Y
4	STD2 480-609962/6	0.1	0.102395	0.5	79522411.0	1.023949	Y
5	STD1 480-609962/5	0.15	0.150684	0.5	79072276.0	1.00456	Y



Calibration / Endrin ketone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

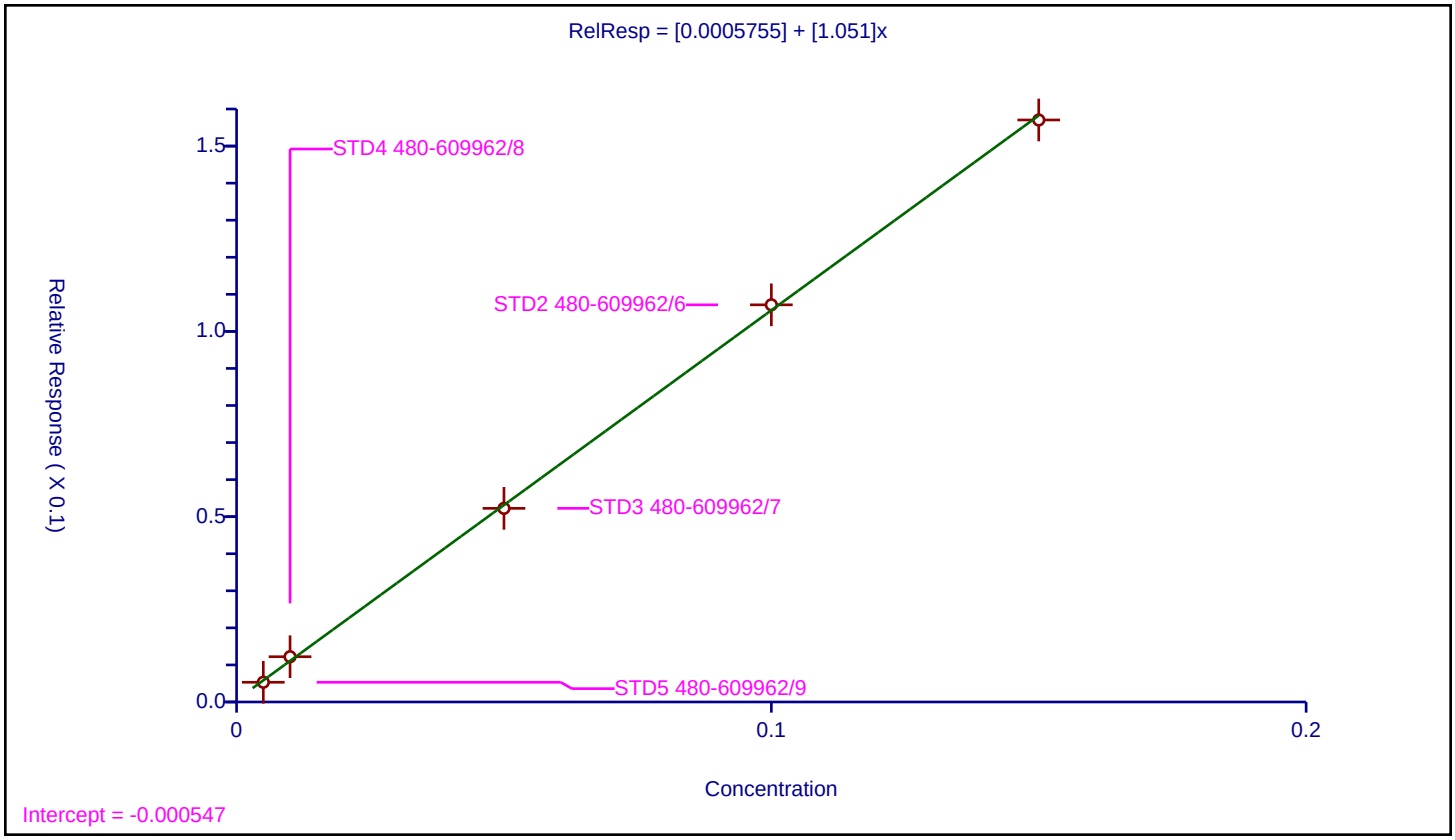
Curve Coefficients

Intercept:	0.0005755
Slope:	1.051

Error Coefficients

Standard Error:	18100000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005323	0.5	80043980.0	1.064657	Y
2	STD4 480-609962/8	0.01	0.012213	0.5	72084198.0	1.221263	Y
3	STD3 480-609962/7	0.05	0.052246	0.5	81568288.0	1.044913	Y
4	STD2 480-609962/6	0.1	0.107162	0.5	79522411.0	1.071618	Y
5	STD1 480-609962/5	0.15	0.15704	0.5	79072276.0	1.046931	Y



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

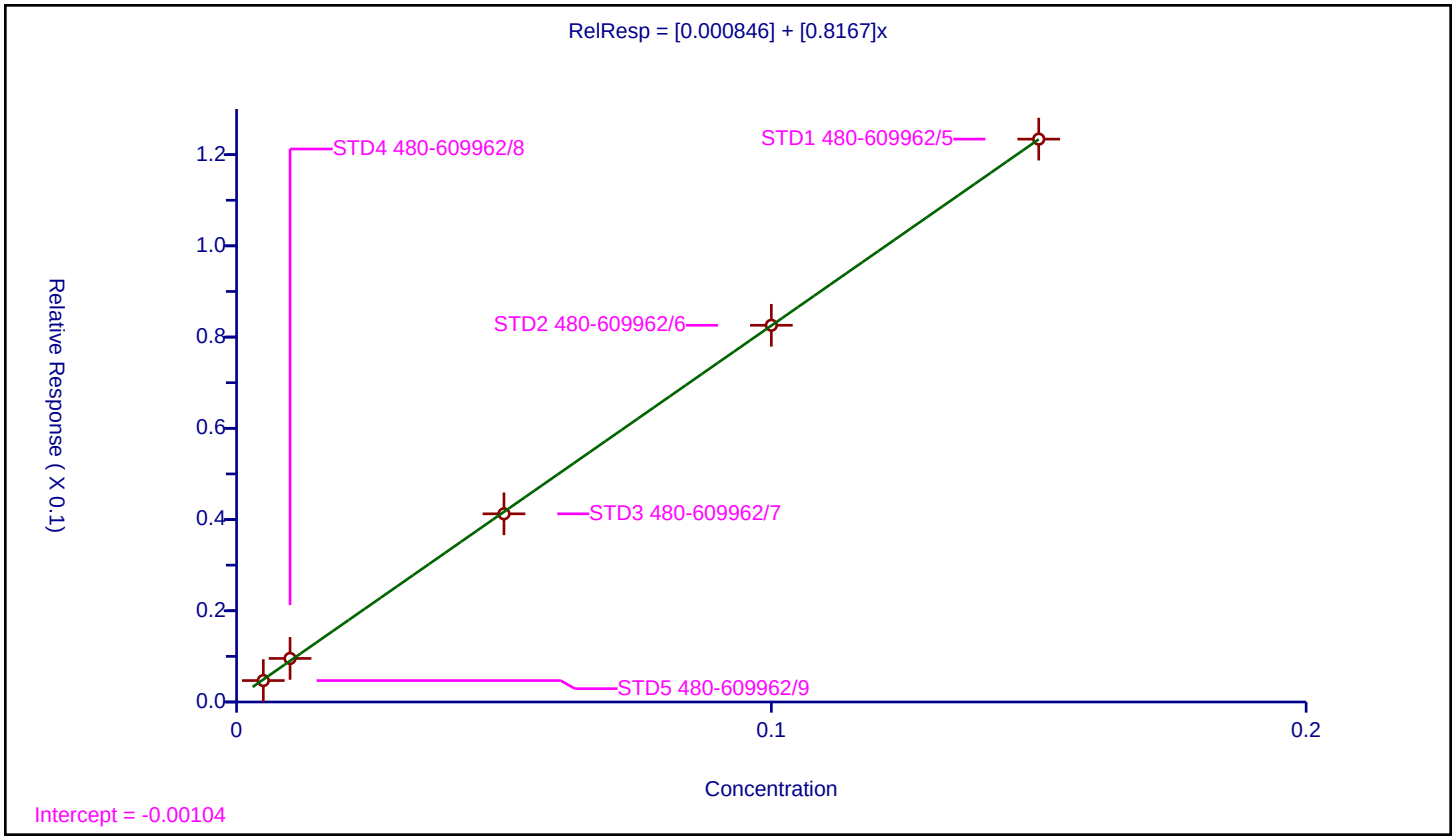
Curve Coefficients

Intercept:	0.000846
Slope:	0.8167

Error Coefficients

Standard Error:	14200000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.004698	0.5	80043980.0	0.939621	Y
2	STD4 480-609962/8	0.01	0.009551	0.5	72084198.0	0.955105	Y
3	STD3 480-609962/7	0.05	0.041252	0.5	81568288.0	0.825047	Y
4	STD2 480-609962/6	0.1	0.082589	0.5	79522411.0	0.825892	Y
5	STD1 480-609962/5	0.15	0.1234	0.5	79072276.0	0.822666	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 09:27 Calibration End Date: 12/23/2021 10:46 Calibration ID: 42902

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/9	25_53-400.D
Level 2	STD4 480-609962/8	25_53-399.D
Level 3	STD3 480-609962/7	25_53-398.D
Level 4	STD2 480-609962/6	25_53-397.D
Level 5	STD1 480-609962/5	25_53-396.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								
alpha-BHC	1.8071	2.0476	1.9201	1.9782	1.9505	Lin1	0	1.9597							1.0000		0.9900
gamma-BHC (Lindane)	1.6510	1.8671	1.7224	1.7734	1.7311	Lin1	0.0001	1.7453							1.0000		0.9900
beta-BHC	0.7520	0.8244	0.7088	0.7212	0.6997	Lin1	0.0006	0.7040							0.9990		0.9900
delta-BHC	1.5812	1.8643	1.7018	1.7581	1.7028	Lin1	0	1.7239							0.9990		0.9900
Heptachlor	1.8197	1.9499	1.7127	1.6991	1.6563	Lin1	0.0015	1.6671							0.9990		0.9900
Aldrin	1.7297	1.8926	1.7106	1.7292	1.6990	Lin1	0.0007	1.7062							1.0000		0.9900
Heptachlor epoxide	1.4479	1.5800	1.3993	1.4191	1.3812	Lin1	0.0008	1.3905							0.9990		0.9900
trans-Chlordane	1.3137	1.5773	1.4309	1.4865	1.4595	Lin1	0	1.4685							0.9990		0.9900
cis-Chlordane	1.1818	1.4501	1.2491	1.3114	1.2645	Lin1	0.0002	1.2785							0.9990		0.9900
Endosulfan I	1.3916	1.4760	1.3152	1.3335	1.3026	Lin1	0.0008	1.3083							1.0000		0.9900
4,4'-DDE	1.3980	1.5538	1.4537	1.4988	1.4898	Lin1	0	1.4902							1.0000		0.9900
Dieldrin	1.3688	1.5759	1.4498	1.4908	1.4567	Lin1	0	1.4690							1.0000		0.9900
Endrin	1.4179	1.4892	1.3497	1.3819	1.3589	Lin1	0.0006	1.3607							1.0000		0.9900
4,4'-DDD	1.1285	1.2193	1.1444	1.1955	1.1963	Lin1	0	1.1907							1.0000		0.9900
Endosulfan II	1.2195	1.3081	1.1883	1.2242	1.2051	Lin1	0.0003	1.2067							1.0000		0.9900
4,4'-DDT	0.7418	0.9697	1.0238	1.1316	1.1279	Lin1	-0.002	1.1330							0.9990		0.9900
Endrin aldehyde	1.0002	1.0437	0.9225	0.9414	0.9300	Lin1	0.0006	0.9278							1.0000		0.9900
Endosulfan sulfate	1.1122	1.2256	1.1048	1.1457	1.1385	Lin1	0.0001	1.1355							1.0000		0.9900
Methoxychlor	0.3959	0.4537	0.4883	0.5352	0.5501	Lin1	-0.001	0.5441							0.9990		0.9900
Endrin ketone	1.0646	1.1838	1.1412	1.1630	1.1594	Lin1	0	1.1614							1.0000		0.9900
Tetrachloro-m-xylene	1.2403	1.3181	1.1621	1.1734	1.1530	Lin1	0.0008	1.1546							1.0000		0.9900
DCB Decachlorobiphenyl	1.1505	1.1825	1.0126	1.0484	1.1684	Lin1	0.0001	1.1037							0.9950		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 09:27 Calibration End Date: 12/23/2021 10:46 Calibration ID: 42902

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/9	25_53-400.D
Level 2	STD4 480-609962/8	25_53-399.D
Level 3	STD3 480-609962/7	25_53-398.D
Level 4	STD2 480-609962/6	25_53-397.D
Level 5	STD1 480-609962/5	25_53-396.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Lin1	531072	1124052	5775366	11759118	17457589	0.00500	0.0100	0.0500	0.100	0.150
gamma-BHC (Lindane)	BNB	Lin1	485198	1024964	5180898	10541862	15493985	0.00500	0.0100	0.0500	0.100	0.150
beta-BHC	BNB	Lin1	221006	452543	2132066	4286922	6262726	0.00500	0.0100	0.0500	0.100	0.150
delta-BHC	BNB	Lin1	464675	1023428	5118834	10451146	15240785	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor	BNB	Lin1	534776	1070423	5151485	10100554	14825027	0.00500	0.0100	0.0500	0.100	0.150
Aldrin	BNB	Lin1	508322	1038990	5145180	10279448	15206787	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor epoxide	BNB	Lin1	425499	867344	4208920	8435659	12362584	0.00500	0.0100	0.0500	0.100	0.150
trans-Chlordane	BNB	Lin1	386069	865891	4304012	8836523	13063653	0.00500	0.0100	0.0500	0.100	0.150
cis-Chlordane	BNB	Lin1	347314	796041	3757175	7795561	11318284	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan I	BNB	Lin1	408944	810273	3955974	7927088	11659172	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDE	BNB	Lin1	410848	852971	4372671	8909717	13334843	0.00500	0.0100	0.0500	0.100	0.150
Dieldrin	BNB	Lin1	402251	865143	4360764	8862283	13038203	0.00500	0.0100	0.0500	0.100	0.150
Endrin	BNB	Lin1	416684	817506	4059826	8214743	12162864	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDD	BNB	Lin1	331639	669357	3442159	7106842	10707318	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan II	BNB	Lin1	358382	718084	3574250	7277041	10786655	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDT	BNB	Lin1	217986	532348	3079385	6726992	10095605	0.00500	0.0100	0.0500	0.100	0.150
Endrin aldehyde	BNB	Lin1	293936	572938	2774893	5596145	8324014	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan sulfate	BNB	Lin1	326839	672803	3323109	6810531	10190510	0.00500	0.0100	0.0500	0.100	0.150
Methoxychlor	BNB	Lin1	116342	249058	1468840	3181670	4923938	0.00500	0.0100	0.0500	0.100	0.150
Endrin ketone	BNB	Lin1	312853	649878	3432576	6913236	10377212	0.00500	0.0100	0.0500	0.100	0.150
Tetrachloro-m-xylene	BNB	Lin1	364493	723574	3495588	6975040	10319973	0.00500	0.0100	0.0500	0.100	0.150
DCB Decachlorobiphenyl	BNB	Lin1	338110	649181	3045822	6232108	10458046	0.00500	0.0100	0.0500	0.100	0.150

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-396.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 09:27:38	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:12:59	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 09:54:29		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.5985	
2						0.5947	
						RPD = 0.65	
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.977	0.003	79072276	0.5000	0.5000	
2	2.207	2.203	0.004	29835061	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.500	2.493	0.007	15158259	0.1500	0.1473	
2	2.917	2.910	0.007	10319973	0.1500	0.1491	
						RPD = 1.17	
5 alpha-BHC							
1	2.920	2.910	0.010	44310622	0.1500	0.1509	
2	3.463	3.457	0.006	17457589	0.1500	0.1494	
						RPD = 0.94	
6 gamma-BHC (Lindane)							
1	3.173	3.163	0.010	39411398	0.1500	0.1502	
2	3.810	3.803	0.007	15493985	0.1500	0.1487	
						RPD = 0.97	
7 beta-BHC							
1	3.243	3.233	0.010	13666442	0.1500	0.1477	
2	3.880	3.873	0.007	6262726	0.1500	0.1483	
						RPD = 0.43	
8 delta-BHC							
1	3.397	3.387	0.010	38823486	0.1500	0.1498	
2	4.190	4.187	0.003	15240785	0.1500	0.1482	
						RPD = 1.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.580	3.570	0.010	31152046	0.1500	0.1457	
2	4.277	4.273	0.004	14825027	0.1500	0.1481	
						RPD = 1.67	
11 Aldrin							
1	3.853	3.847	0.006	33462465	0.1500	0.1469	
2	4.627	4.623	0.004	15206787	0.1500	0.1490	
						RPD = 1.42	
13 Heptachlor epoxide							
1	4.447	4.440	0.007	26356485	0.1500	0.1452	
2	5.227	5.223	0.004	12362584	0.1500	0.1484	
						RPD = 2.19	
15 trans-Chlordane							
1	4.570	4.560	0.010	31658955	0.1500	0.1479	
2	5.427	5.423	0.004	13063653	0.1500	0.1492	
						RPD = 0.89	
16 cis-Chlordane							
1	4.703	4.697	0.006	29451341	0.1500	0.1474	
2	5.583	5.577	0.006	11318284	0.1500	0.1482	
						RPD = 0.52	
17 4,4'-DDE							
1	4.783	4.777	0.006	28670302	0.1500	0.1463	
2	5.740	5.737	0.003	13334843	0.1500	0.1501	
						RPD = 2.58	
18 Endosulfan I							
1	4.843	4.833	0.010	24316677	0.1500	0.1449	
2	5.647	5.643	0.004	11659172	0.1500	0.1487	
						RPD = 2.63	
20 Dieldrin							
1	5.083	5.077	0.006	28926720	0.1500	0.1459	
2	5.933	5.930	0.003	13038203	0.1500	0.1488	
						RPD = 1.95	
22 Endrin							
1	5.320	5.313	0.007	26619595	0.1500	0.1457	
2	6.253	6.247	0.006	12162864	0.1500	0.1494	
						RPD = 2.47	
24 4,4'-DDD							
1	5.393	5.387	0.006	23782349	0.1500	0.1479	
2	6.340	6.337	0.003	10707318	0.1500	0.1509	
						RPD = 1.98	
26 Endosulfan II							
1	5.550	5.540	0.010	22656524	0.1500	0.1466	
2	6.467	6.463	0.004	10786655	0.1500	0.1495	
						RPD = 1.99	
27 4,4'-DDT							
1	5.680	5.670	0.010	24608102	0.1500	0.1487	
2	6.667	6.663	0.004	10095605	0.1500	0.1511	
						RPD = 1.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.980	5.970	0.010	18538241	0.1500	0.1483	
2	6.810	6.807	0.003	8324014	0.1500	0.1497	
						RPD = 0.95	
29 Methoxychlor							
1	6.180	6.173	0.007	11332525	0.1500	0.1495	
2	7.353	7.347	0.006	4923938	0.1500	0.1533	
						RPD = 2.51	
31 Endosulfan sulfate							
1	6.420	6.413	0.007	23829860	0.1500	0.1493	
2	7.093	7.090	0.003	10190510	0.1500	0.1503	
						RPD = 0.68	
32 Endrin ketone							
1	6.700	6.693	0.007	24834962	0.1500	0.1489	
2	7.643	7.640	0.003	10377212	0.1500	0.1500	
						RPD = 0.76	
$ 33 DCB Decachlorobiphenyl							
1	7.707	7.700	0.007	19515016	0.1500	0.1501	
2	8.847	8.843	0.004	10458046	0.1500	0.1587	
						RPD = 5.59	

Reagents:

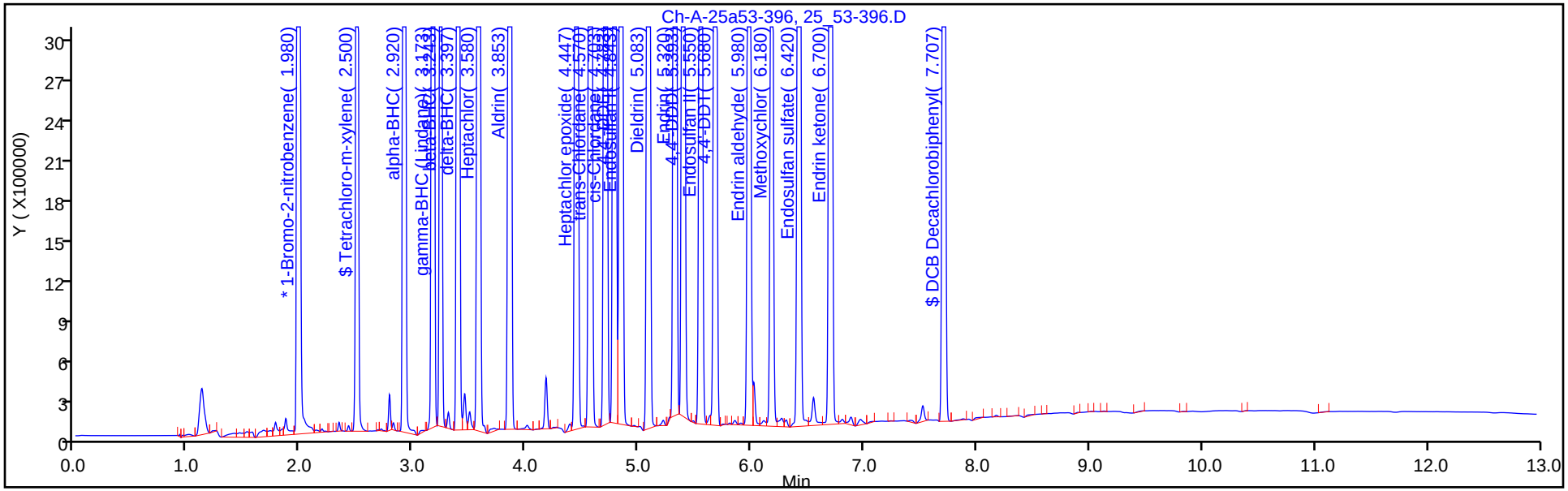
PEST_CAL_.15_00045 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

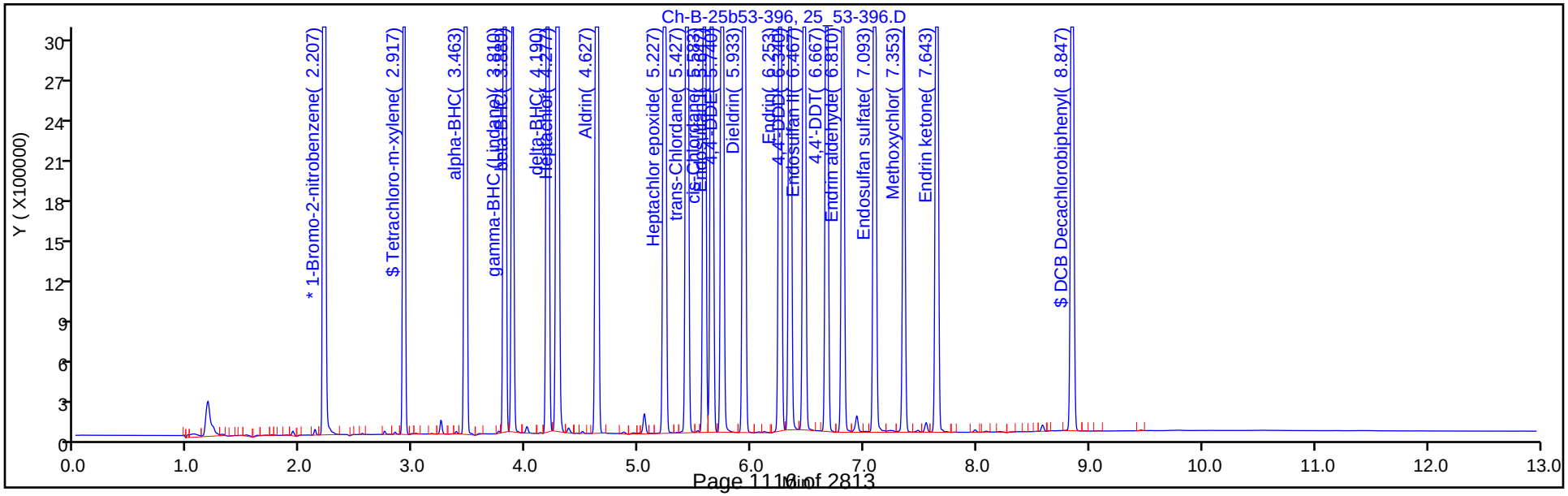
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-396.D				
Injection Date:	23-Dec-2021 09:27:38	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-397.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 09:47:11	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:05	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 10:04:12		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.4052	
2						0.4063	
						RPD = 0.28	
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	79522411	0.5000	0.5000	
2	2.203	2.203	0.000	29722506	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.497	2.493	0.004	10731629	0.1000	0.1035	
2	2.913	2.910	0.003	6975040	0.1000	0.1009	
						RPD = 2.51	
5 alpha-BHC							
1	2.913	2.910	0.003	29717601	0.1000	0.1006	
2	3.457	3.457	0.000	11759118	0.1000	0.1011	
						RPD = 0.47	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	26613642	0.1000	0.1008	
2	3.803	3.803	0.000	10541862	0.1000	0.1016	
						RPD = 0.78	
7 beta-BHC							
1	3.237	3.233	0.004	9568389	0.1000	0.1026	
2	3.873	3.873	0.000	4286922	0.1000	0.1017	
						RPD = 0.88	
8 delta-BHC							
1	3.390	3.387	0.003	26393099	0.1000	0.1012	
2	4.187	4.187	0.000	10451146	0.1000	0.1020	
						RPD = 0.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.573	3.570	0.003	22079431	0.1000	0.1020	
2	4.273	4.273	0.000	10100554	0.1000	0.1010	
						RPD = 1.00	
11 Aldrin							
1	3.850	3.847	0.003	23383568	0.1000	0.1017	
2	4.623	4.623	0.000	10279448	0.1000	0.1009	
						RPD = 0.73	
13 Heptachlor epoxide							
1	4.443	4.440	0.003	18780939	0.1000	0.1023	
2	5.223	5.223	0.000	8435659	0.1000	0.1015	
						RPD = 0.85	
15 trans-Chlordane							
1	4.567	4.560	0.007	21981419	0.1000	0.1019	
2	5.423	5.423	0.000	8836523	0.1000	0.1014	
						RPD = 0.49	
16 cis-Chlordane							
1	4.700	4.697	0.003	20539830	0.1000	0.1020	
2	5.577	5.577	0.000	7795561	0.1000	0.1024	
						RPD = 0.41	
17 4,4'-DDE							
1	4.780	4.777	0.003	20309594	0.1000	0.1028	
2	5.737	5.737	0.000	8909717	0.1000	0.1007	
						RPD = 2.09	
18 Endosulfan I							
1	4.837	4.833	0.004	17342501	0.1000	0.1022	
2	5.643	5.643	0.000	7927088	0.1000	0.1013	
						RPD = 0.92	
20 Dieldrin							
1	5.080	5.077	0.003	20406099	0.1000	0.1019	
2	5.930	5.930	0.000	8862283	0.1000	0.1015	
						RPD = 0.35	
22 Endrin							
1	5.317	5.313	0.004	18805137	0.1000	0.1019	
2	6.250	6.247	0.003	8214743	0.1000	0.1011	
						RPD = 0.75	
24 4,4'-DDD							
1	5.390	5.387	0.003	16379242	0.1000	0.1011	
2	6.337	6.337	0.000	7106842	0.1000	0.1006	
						RPD = 0.51	
26 Endosulfan II							
1	5.543	5.540	0.003	15916014	0.1000	0.1021	
2	6.463	6.463	0.000	7277041	0.1000	0.1012	
						RPD = 0.94	
27 4,4'-DDT							
1	5.673	5.670	0.003	16854162	0.1000	0.1011	
2	6.663	6.663	0.000	6726992	0.1000	0.1016	
						RPD = 0.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.973	5.970	0.003	12747824	0.1000	0.1010	
2	6.807	6.807	0.000	5596145	0.1000	0.1008	
						RPD = 0.15	
29 Methoxychlor							
1	6.173	6.173	0.000	7712432	0.1000	0.1009	
2	7.347	7.347	0.000	3181670	0.1000	0.1000	
						RPD = 0.93	
31 Endosulfan sulfate							
1	6.417	6.413	0.004	16285371	0.1000	0.1011	
2	7.090	7.090	0.000	6810531	0.1000	0.1008	
						RPD = 0.34	
32 Endrin ketone							
1	6.697	6.693	0.004	17043523	0.1000	0.1014	
2	7.640	7.640	0.000	6913236	0.1000	0.1004	
						RPD = 1.01	
$ 33 DCB Decachlorobiphenyl							
1	7.703	7.700	0.003	13135381	0.1000	0.1001	
2	8.840	8.843	-0.003	6232108	0.1000	0.0949	
						RPD = 5.35	

QC Flag Legend

Processing Flags

Reagents:

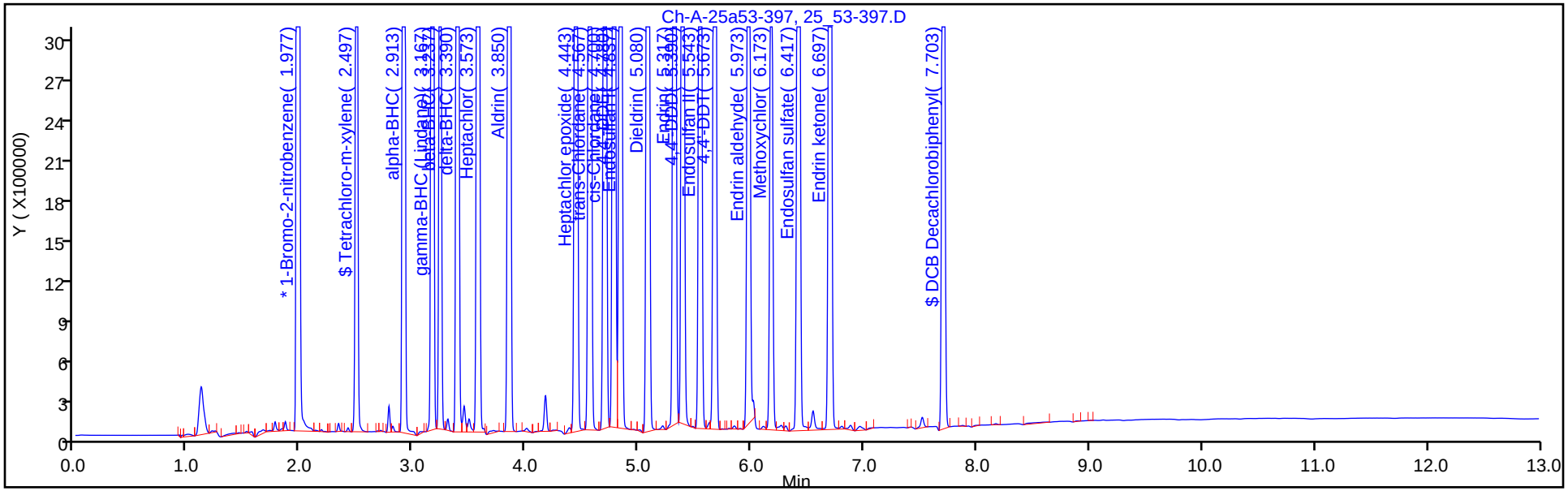
PEST_CAL_.10_00045 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:06 Chrom Revision: 2.3 15-Nov-2021 20:34:30

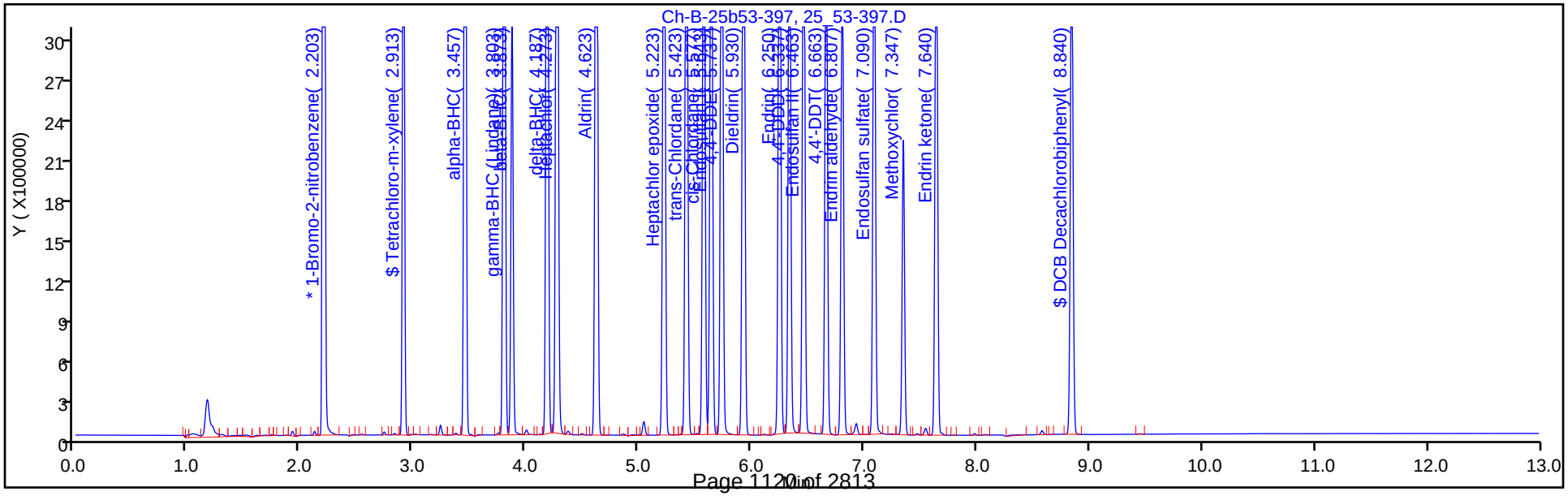
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-397.D				
Injection Date:	23-Dec-2021 09:47:11	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-398.D				
Lims ID:	std3				
Client ID:					
Sample Type:	ICIS	Calib Level:	3		
Inject. Date:	23-Dec-2021 10:06:50	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:11	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 23-Dec-2021 10:24:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	81568288	0.5000	0.5000	
2	2.203	2.203	0.000	30078829	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.493	2.493	0.000	5138400	0.0500	0.0479	
2	2.910	2.910	0.000	3495588	0.0500	0.0496	
						RPD = 3.60	
5 alpha-BHC							
1	2.910	2.910	0.000	14522312	0.0500	0.0479	
2	3.457	3.457	0.000	5775366	0.0500	0.0491	
						RPD = 2.44	
6 gamma-BHC (Lindane)							
1	3.163	3.163	0.000	13143950	0.0500	0.0484	
2	3.803	3.803	0.000	5180898	0.0500	0.0493	
						RPD = 1.79	
7 beta-BHC							
1	3.233	3.233	0.000	4731815	0.0500	0.0490	
2	3.873	3.873	0.000	2132066	0.0500	0.0496	
						RPD = 1.12	
8 delta-BHC							
1	3.387	3.387	0.000	12944724	0.0500	0.0484	
2	4.187	4.187	0.000	5118834	0.0500	0.0494	
						RPD = 2.10	
10 Heptachlor							
1	3.570	3.570	0.000	11696688	0.0500	0.0517	
2	4.273	4.273	0.000	5151485	0.0500	0.0505	
						RPD = 2.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.847	3.847	0.000	12132816	0.0500	0.0509	
2	4.623	4.623	0.000	5145180	0.0500	0.0497	
						RPD = 2.25	
13 Heptachlor epoxide							
1	4.440	4.440	0.000	9929768	0.0500	0.0518	
2	5.223	5.223	0.000	4208920	0.0500	0.0497	
						RPD = 4.16	
15 trans-Chlordane							
1	4.560	4.560	0.000	11078900	0.0500	0.0497	
2	5.423	5.423	0.000	4304012	0.0500	0.0489	
						RPD = 1.61	
16 cis-Chlordane							
1	4.697	4.697	0.000	10416073	0.0500	0.0500	
2	5.577	5.577	0.000	3757175	0.0500	0.0487	
						RPD = 2.69	
17 4,4'-DDE							
1	4.777	4.777	0.000	10240185	0.0500	0.0502	
2	5.737	5.737	0.000	4372671	0.0500	0.0489	
						RPD = 2.66	
18 Endosulfan I							
1	4.833	4.833	0.000	9191679	0.0500	0.0520	
2	5.643	5.643	0.000	3955974	0.0500	0.0496	
						RPD = 4.69	
20 Dieldrin							
1	5.077	5.077	0.000	10772146	0.0500	0.0516	
2	5.930	5.930	0.000	4360764	0.0500	0.0494	
						RPD = 4.53	
22 Endrin							
1	5.313	5.313	0.000	9943232	0.0500	0.0518	
2	6.247	6.247	0.000	4059826	0.0500	0.0492	
						RPD = 5.11	
24 4,4'-DDD							
1	5.387	5.387	0.000	8429963	0.0500	0.0504	
2	6.337	6.337	0.000	3442159	0.0500	0.0482	
						RPD = 4.42	
26 Endosulfan II							
1	5.540	5.540	0.000	8118561	0.0500	0.0503	
2	6.463	6.463	0.000	3574250	0.0500	0.0490	
						RPD = 2.77	
27 4,4'-DDT							
1	5.670	5.670	0.000	8507154	0.0500	0.0495	
2	6.663	6.663	0.000	3079385	0.0500	0.0469	
						RPD = 5.32	
28 Endrin aldehyde							
1	5.970	5.970	0.000	6577233	0.0500	0.0501	
2	6.807	6.807	0.000	2774893	0.0500	0.0491	
						RPD = 2.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	6.173	6.173	0.000	3846644	0.0500	0.0487	
2	7.347	7.347	0.000	1468840	0.0500	0.0465	
						RPD = 4.63	
31 Endosulfan sulfate							M
1	6.413	6.413	0.000	8181862	0.0500	0.0490	
2	7.090	7.090	0.000	3323109	0.0500	0.0485	M
						RPD = 1.07	
32 Endrin ketone							
1	6.693	6.693	0.000	8523174	0.0500	0.0492	
2	7.640	7.640	0.000	3432576	0.0500	0.0494	
						RPD = 0.44	
$ 33 DCB Decachlorobiphenyl							
1	7.700	7.700	0.000	6729767	0.0500	0.0495	
2	8.843	8.843	0.000	3045822	0.0500	0.0458	
						RPD = 7.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

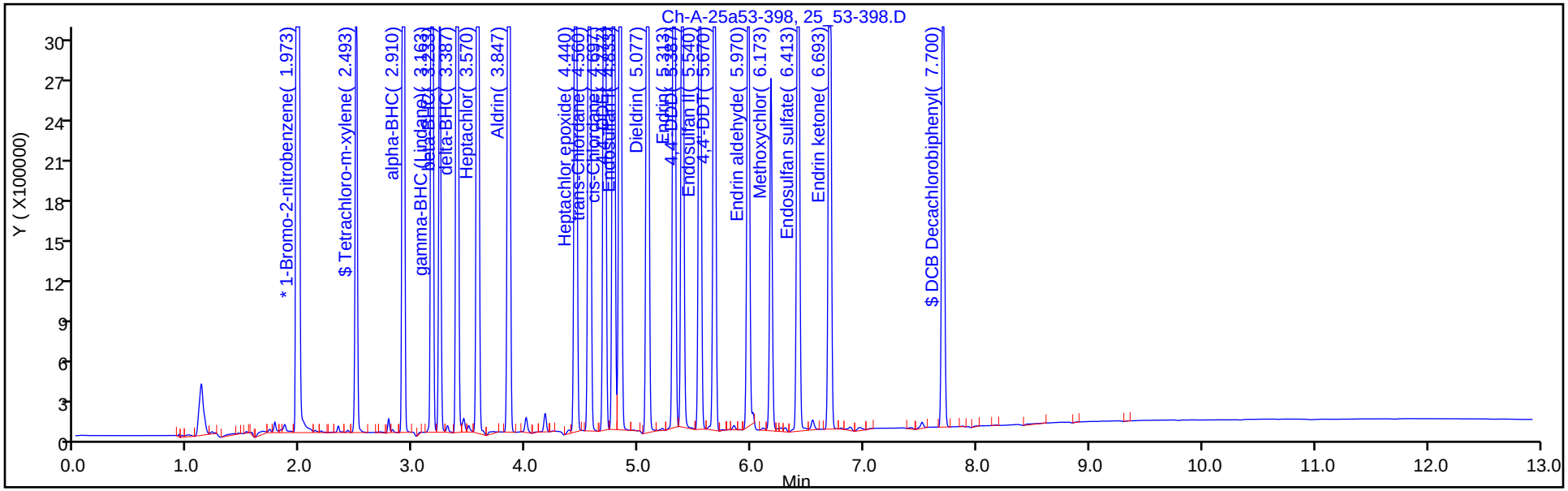
PEST_CCV_.05_00350 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:12 Chrom Revision: 2.3 15-Nov-2021 20:34:30

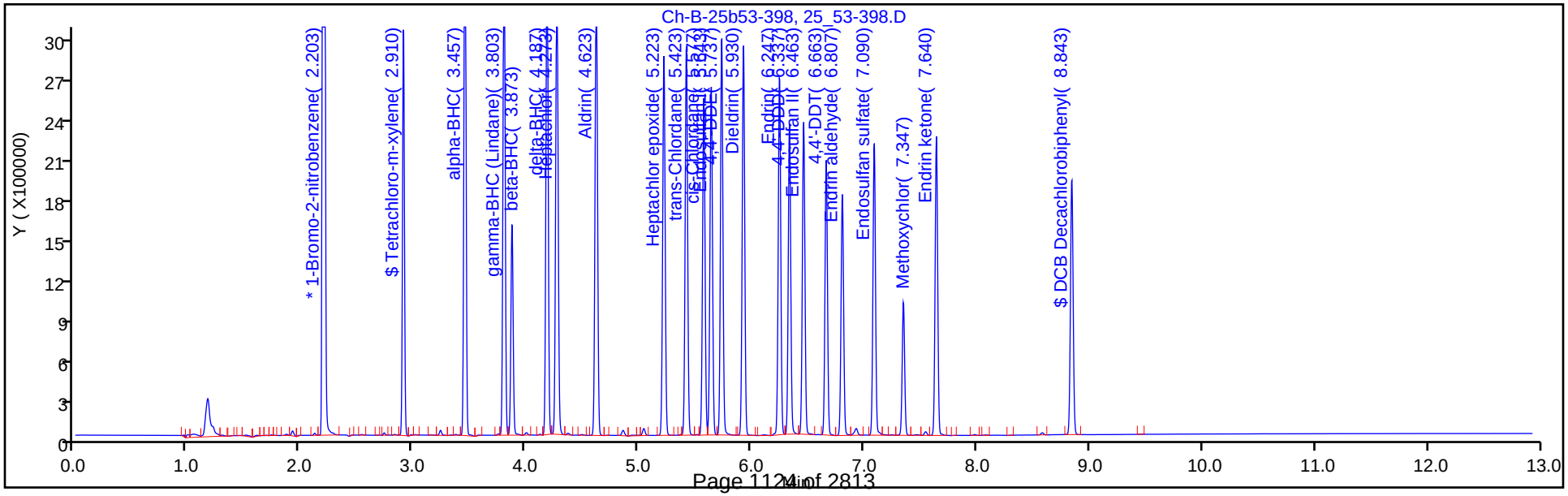
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-398.D				
Injection Date:	23-Dec-2021 10:06:50	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

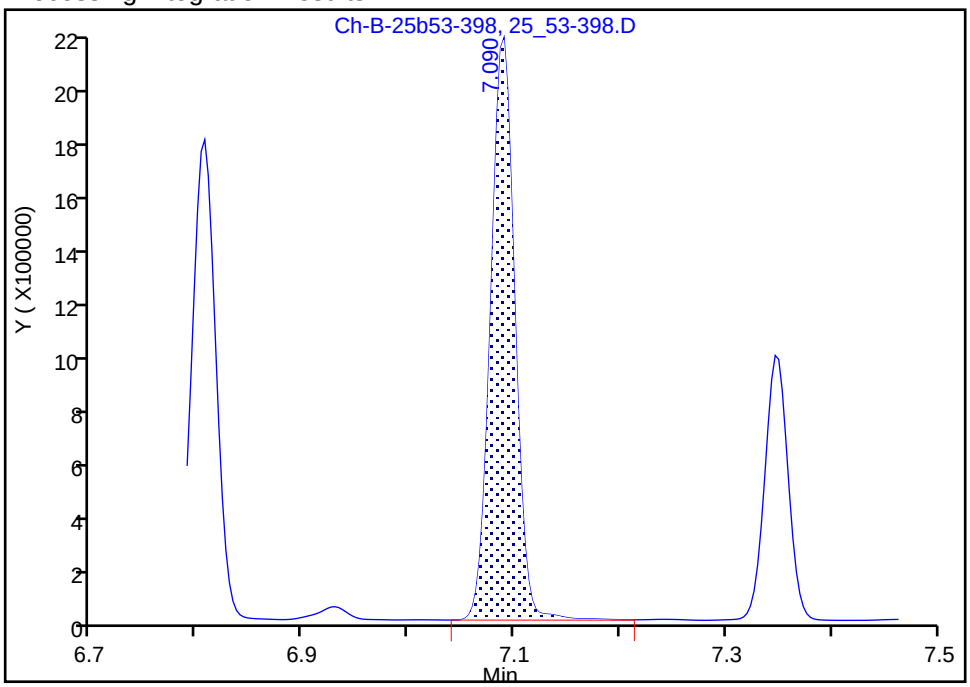
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-398.D				
Injection Date:	23-Dec-2021 10:06:50	Instrument ID:	HP6890-25		
Lims ID:	std3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

31 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

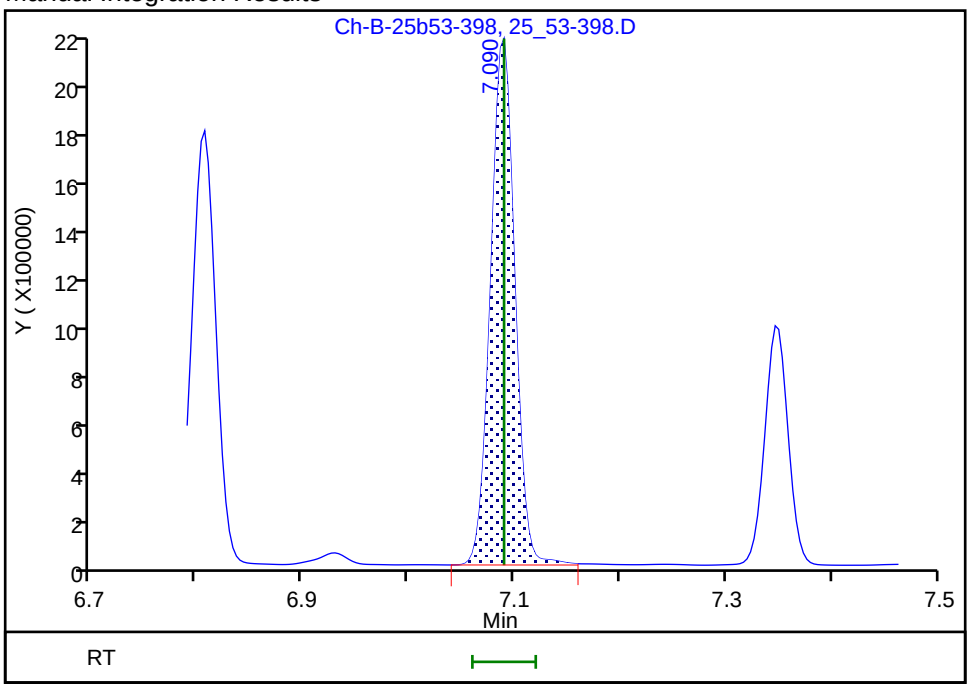
Processing Integration Results

RT: 7.09
Area: 3332577
Amount: 0.049787
Amount Units: ng/ul



Manual Integration Results

RT: 7.09
Area: 3323109
Amount: 0.048520
Amount Units: ng/ul



Reviewer: NearyM, 23-Dec-2021 10:23:59

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-399.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 10:26:31	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:17	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 11:15:20		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.0443	
2						0.0430	
						RPD = 2.92	
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	72084198	0.5000	0.5000	
2	2.203	2.203	0.000	27448449	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.493	2.493	0.000	1229032	0.0100	0.0124	
2	2.910	2.910	0.000	723574	0.0100	0.0107	
						RPD = 14.25	
5 alpha-BHC							
1	2.910	2.910	0.000	2908837	0.0100	0.0109	
2	3.457	3.457	0.000	1124052	0.0100	0.0106	
						RPD = 2.78	
6 gamma-BHC (Lindane)							
1	3.163	3.163	0.000	2652973	0.0100	0.0109	
2	3.803	3.803	0.000	1024964	0.0100	0.0107	
						RPD = 2.40	
7 beta-BHC							
1	3.233	3.233	0.000	1030307	0.0100	0.0114	
2	3.873	3.873	0.000	452543	0.0100	0.0109	
						RPD = 4.64	
8 delta-BHC							
1	3.387	3.387	0.000	2627571	0.0100	0.0110	
2	4.183	4.187	-0.004	1023428	0.0100	0.0108	
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.570	3.570	0.000	2605396	0.0100	0.0114	
2	4.270	4.273	-0.003	1070423	0.0100	0.0108	
						RPD = 5.66	
11 Aldrin							
1	3.847	3.847	0.000	2568163	0.0100	0.0113	
2	4.620	4.623	-0.003	1038990	0.0100	0.0107	
						RPD = 5.41	
13 Heptachlor epoxide							
1	4.437	4.440	-0.003	2190244	0.0100	0.0115	
2	5.220	5.223	-0.003	867344	0.0100	0.0108	
						RPD = 6.79	
15 trans-Chlordane							
1	4.560	4.560	0.000	2301983	0.0100	0.0111	
2	5.420	5.423	-0.003	865891	0.0100	0.0109	
						RPD = 1.72	
16 cis-Chlordane							
1	4.693	4.697	-0.004	2152194	0.0100	0.0111	
2	5.577	5.577	0.000	796041	0.0100	0.0112	
						RPD = 0.88	
17 4,4'-DDE							
1	4.777	4.777	0.000	2165529	0.0100	0.0115	
2	5.733	5.737	-0.004	852971	0.0100	0.0105	
						RPD = 8.83	
18 Endosulfan I							
1	4.833	4.833	0.000	2076200	0.0100	0.0120	
2	5.640	5.643	-0.003	810273	0.0100	0.0107	
						RPD = 12.30	
20 Dieldrin							
1	5.077	5.077	0.000	2340668	0.0100	0.0115	
2	5.927	5.930	-0.003	865143	0.0100	0.0107	
						RPD = 6.78	
22 Endrin							
1	5.313	5.313	0.000	2155765	0.0100	0.0115	
2	6.247	6.247	0.000	817506	0.0100	0.0105	
						RPD = 8.87	
24 4,4'-DDD							
1	5.387	5.387	0.000	1734178	0.0100	0.0112	
2	6.337	6.337	0.000	669357	0.0100	0.0104	
						RPD = 7.66	
26 Endosulfan II							
1	5.540	5.540	0.000	1802957	0.0100	0.0120	
2	6.460	6.463	-0.003	718084	0.0100	0.0106	
						RPD = 12.57	
27 4,4'-DDT							
1	5.670	5.670	0.000	1773591	0.0100	0.0113	
2	6.660	6.663	-0.003	532348	0.0100	0.0103	
						RPD = 9.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.970	5.970	0.000	1419215	0.0100	0.0112	
2	6.803	6.807	-0.004	572938	0.0100	0.0106	
						RPD = 5.39	
29 Methoxychlor							
1	6.173	6.173	0.000	844363	0.0100	0.0116	
2	7.347	7.347	0.000	249058	0.0100	0.0100	
						RPD = 14.79	
31 Endosulfan sulfate							
1	6.413	6.413	0.000	1734591	0.0100	0.0110	
2	7.087	7.090	-0.003	672803	0.0100	0.0107	
						RPD = 3.47	
32 Endrin ketone							
1	6.693	6.693	0.000	1760675	0.0100	0.0111	
2	7.640	7.640	0.000	649878	0.0100	0.0104	
						RPD = 5.91	
$ 33 DCB Decachlorobiphenyl							
1	7.700	7.700	0.000	1376959	0.0100	0.0107	
2	8.840	8.843	-0.003	649181	0.0100	0.0106	
						RPD = 0.59	

QC Flag Legend

Processing Flags

Reagents:

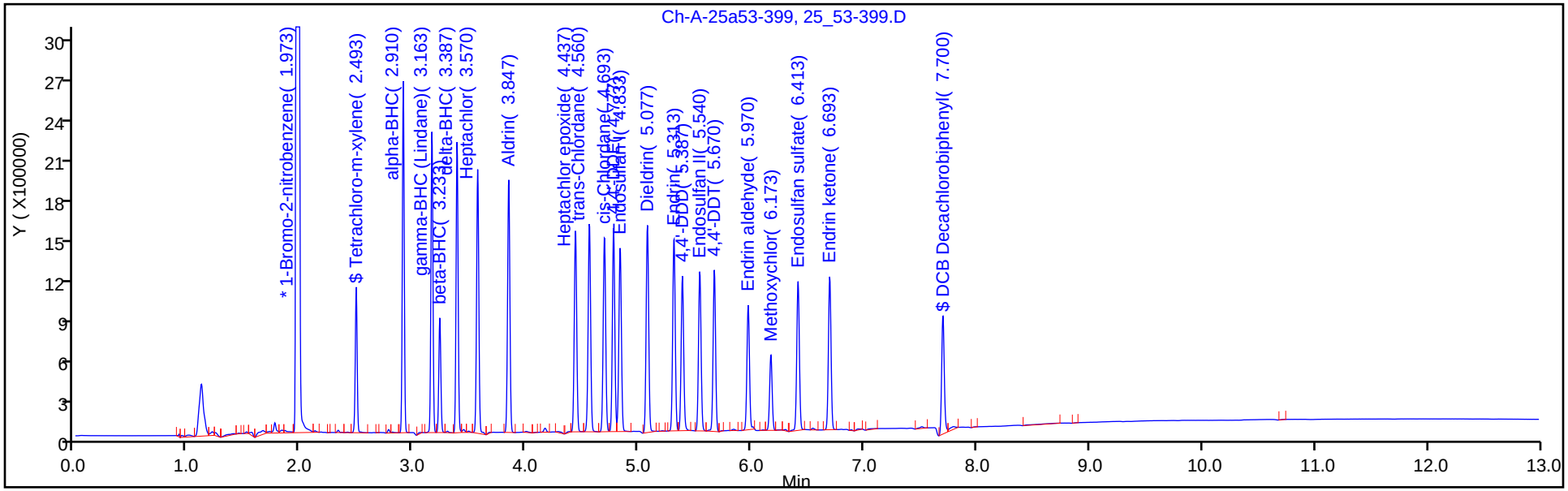
pest_cal_.01_00036 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:18 Chrom Revision: 2.3 15-Nov-2021 20:34:30

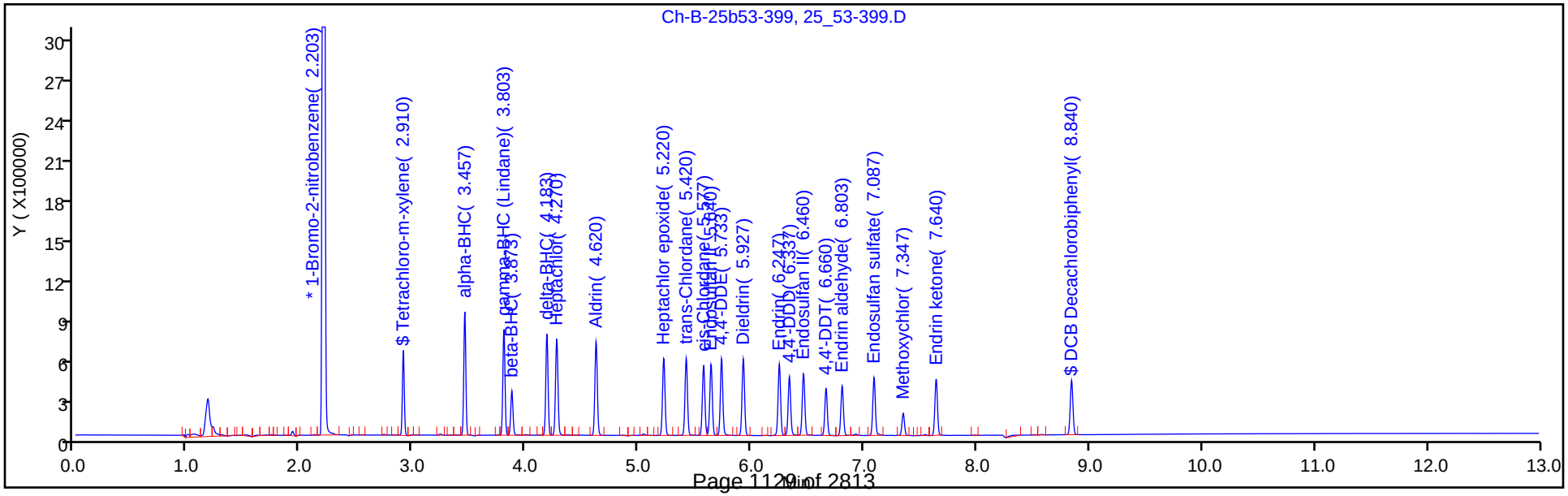
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-399.D				
Injection Date:	23-Dec-2021 10:26:31	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 10:46:10	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub9				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:22	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 11:16:14		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
S 1 BHC, Total							
1						0.0183	
2						0.0186	
						RPD = 1.87	
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.973	0.007	80043980	0.5000	0.5000	
2	2.203	2.203	0.000	29387421	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.497	2.493	0.004	494392	0.005000	0.003950	
2	2.910	2.910	0.000	364493	0.005000	0.004667	
						RPD = 16.63	
5 alpha-BHC							
1	2.913	2.910	0.003	1389228	0.005000	0.004701	
2	3.457	3.457	0.000	531072	0.005000	0.004755	
						RPD = 1.14	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	1280255	0.005000	0.004647	
2	3.803	3.803	0.000	485198	0.005000	0.004699	
						RPD = 1.10	
7 beta-BHC							
1	3.237	3.233	0.004	481318	0.005000	0.004328	
2	3.873	3.873	0.000	221006	0.005000	0.004556	
						RPD = 5.13	
8 delta-BHC							
1	3.390	3.387	0.003	1229175	0.005000	0.004594	
2	4.187	4.187	0.000	464675	0.005000	0.004606	
						RPD = 0.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Heptachlor							
1	3.573	3.570	0.003	1341613	0.005000	0.004158	
2	4.273	4.273	0.000	534776	0.005000	0.004563	
						RPD = 9.28	
11 Aldrin							
1	3.850	3.847	0.003	1250944	0.005000	0.004290	
2	4.623	4.623	0.000	508322	0.005000	0.004668	
						RPD = 8.44	
13 Heptachlor epoxide							
1	4.443	4.440	0.003	1082456	0.005000	0.004093	
2	5.223	5.223	0.000	425499	0.005000	0.004619	
						RPD = 12.08	
15 trans-Chlordane							
1	4.567	4.560	0.007	1131064	0.005000	0.004469	
2	5.423	5.423	0.000	386069	0.005000	0.004624	
						RPD = 3.40	
16 cis-Chlordane							
1	4.700	4.697	0.003	1050546	0.005000	0.004435	
2	5.577	5.577	0.000	347314	0.005000	0.004472	
						RPD = 0.83	
17 4,4'-DDE							
1	4.780	4.777	0.003	961261	0.005000	0.004207	
2	5.737	5.737	0.000	410848	0.005000	0.004804	
						RPD = 13.26	
18 Endosulfan I							
1	4.840	4.833	0.007	925694	0.005000	0.003834	
2	5.643	5.643	0.000	408944	0.005000	0.004688	
						RPD = 20.05	
20 Dieldrin							
1	5.080	5.077	0.003	1139794	0.005000	0.004137	
2	5.930	5.930	0.000	402251	0.005000	0.004665	
						RPD = 11.99	
22 Endrin							
1	5.317	5.313	0.004	1045174	0.005000	0.004124	
2	6.247	6.247	0.000	416684	0.005000	0.004786	
						RPD = 14.87	
24 4,4'-DDD							
1	5.390	5.387	0.003	809153	0.005000	0.004353	
2	6.337	6.337	0.000	331639	0.005000	0.004913	
						RPD = 12.07	
26 Endosulfan II							
1	5.547	5.540	0.007	757902	0.005000	0.003983	
2	6.463	6.463	0.000	358382	0.005000	0.004779	
						RPD = 18.16	
27 4,4'-DDT							M
1	5.673	5.670	0.003	815376	0.005000	0.004388	
2	6.663	6.663	0.000	217986	0.005000	0.005031	M
						RPD = 13.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
28 Endrin aldehyde							
1	5.977	5.970	0.007	722817	0.005000	0.004396	
2	6.807	6.807	0.000	293936	0.005000	0.004754	
						RPD = 7.82	
29 Methoxychlor							
1	6.177	6.173	0.004	385710	0.005000	0.004325	
2	7.347	7.347	0.000	116342	0.005000	0.005261	
						RPD = 19.53	
31 Endosulfan sulfate							M
1	6.417	6.413	0.004	882764	0.005000	0.004544	M
2	7.090	7.090	0.000	326839	0.005000	0.004768	M
						RPD = 4.81	
32 Endrin ketone							
1	6.700	6.693	0.007	852194	0.005000	0.004517	
2	7.640	7.640	0.000	312853	0.005000	0.004826	
						RPD = 6.62	
$ 33 DCB Decachlorobiphenyl							
1	7.703	7.700	0.003	752110	0.005000	0.004717	
2	8.840	8.843	-0.003	338110	0.005000	0.005093	
						RPD = 7.68	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

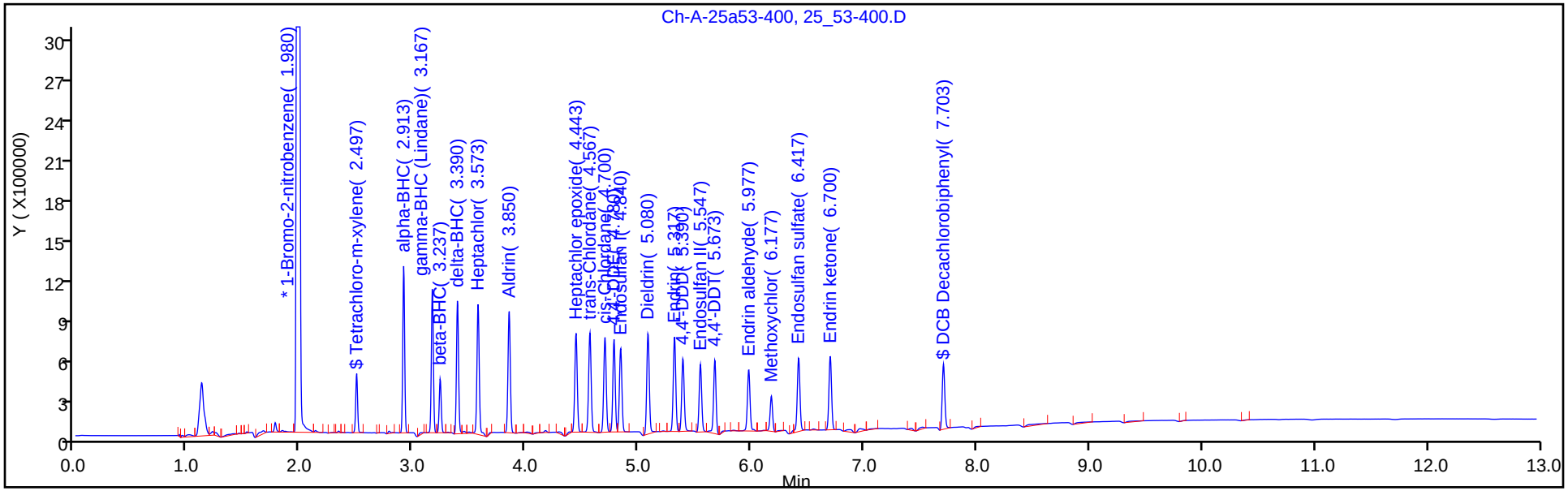
pest_cal_.005_00036 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:23 Chrom Revision: 2.3 15-Nov-2021 20:34:30

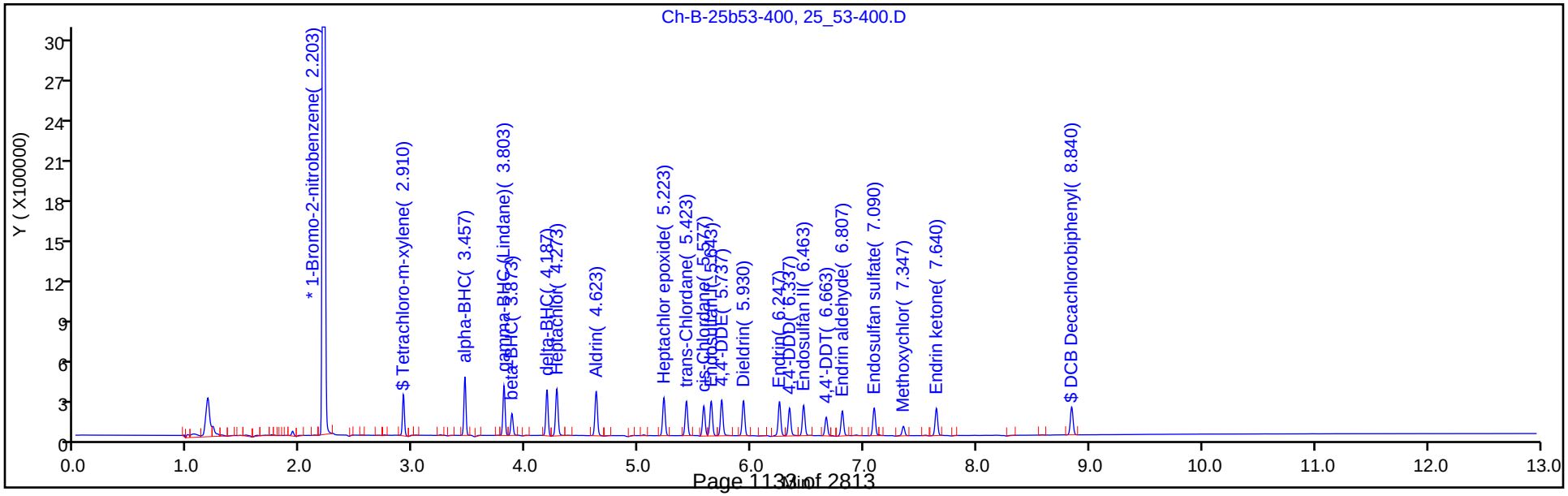
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Injection Date:	23-Dec-2021 10:46:10	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

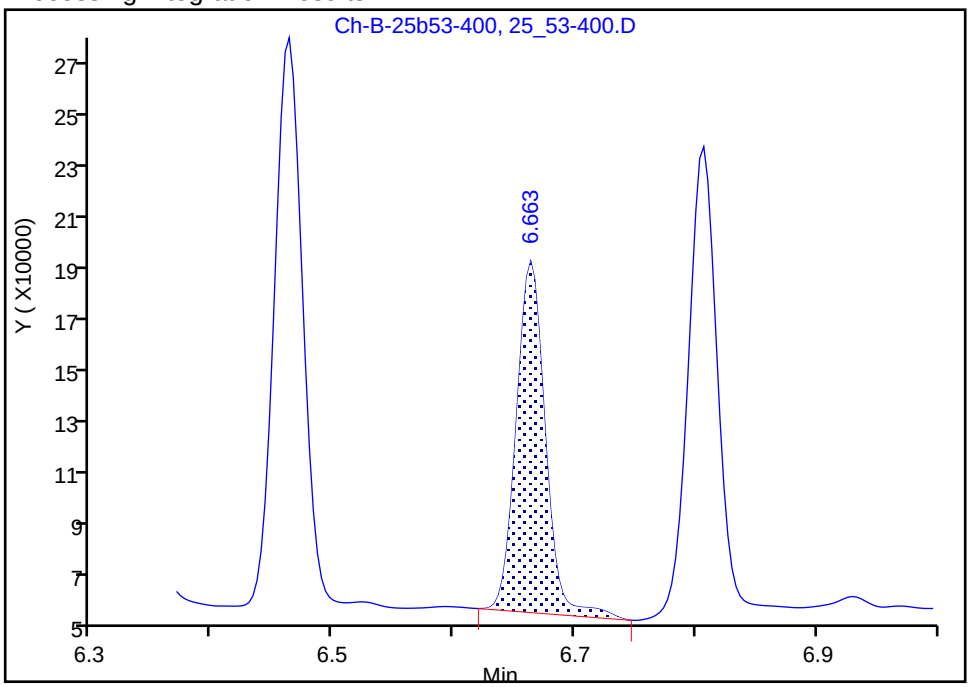
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Injection Date:	23-Dec-2021 10:46:10	Instrument ID:	HP6890-25		
Lims ID:	std5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

27 4,4'-DDT, CAS: 50-29-3

Signal: 2

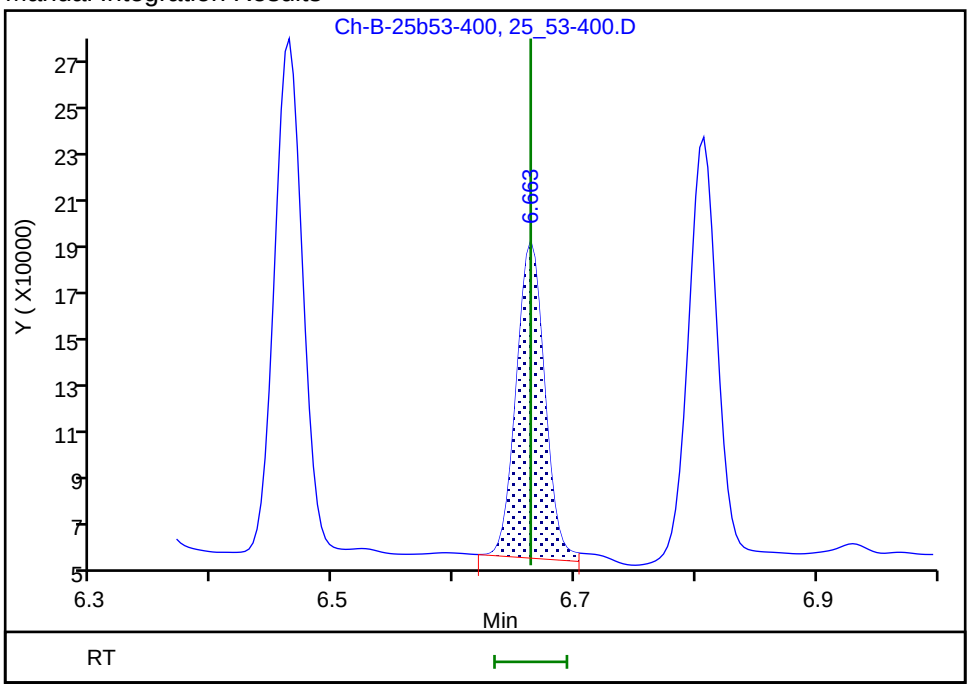
Processing Integration Results

RT: 6.66
Area: 224005
Amount: 0.005060
Amount Units: ng/ul



Manual Integration Results

RT: 6.66
Area: 217986
Amount: 0.005031
Amount Units: ng/ul



Reviewer: NearyM, 23-Dec-2021 11:15:52
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

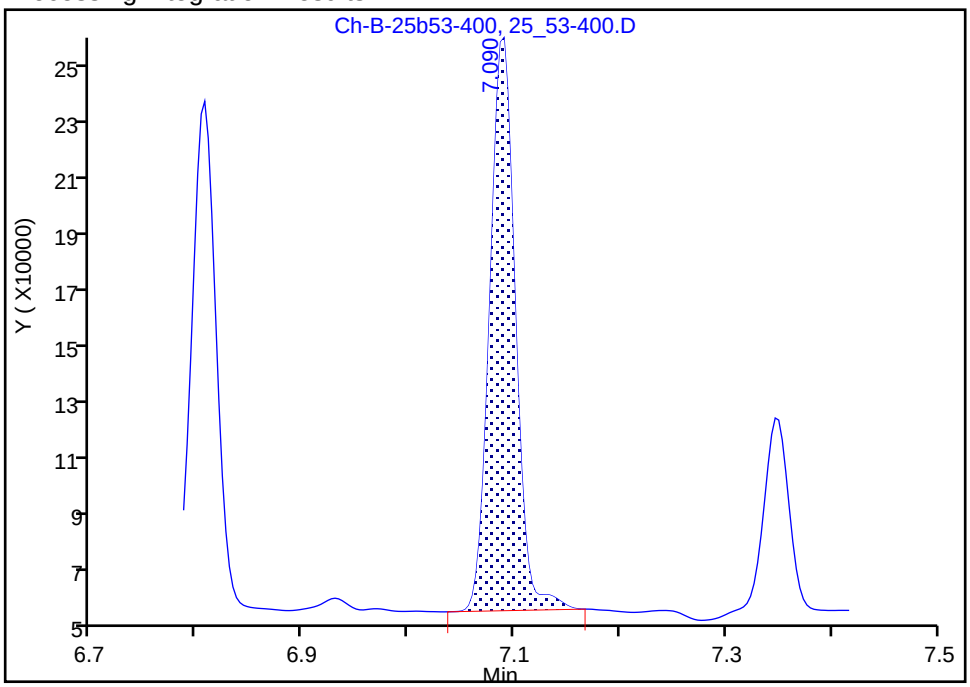
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-400.D				
Injection Date:	23-Dec-2021 10:46:10	Instrument ID:	HP6890-25		
Lims ID:	std5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

31 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

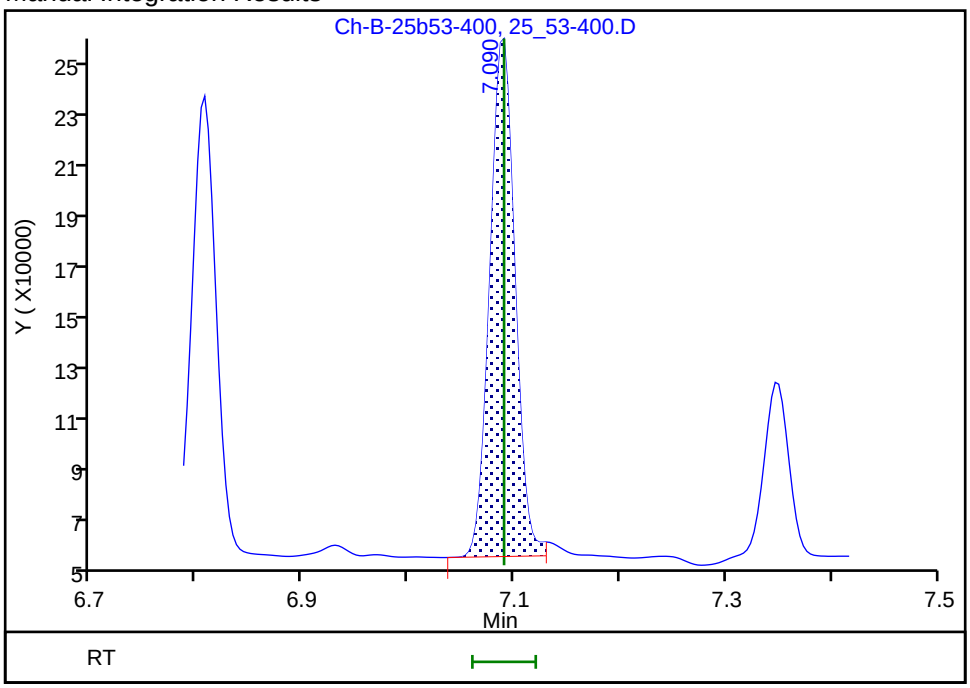
Processing Integration Results

RT: 7.09
Area: 331601
Amount: 0.004791
Amount Units: ng/ul



Manual Integration Results

RT: 7.09
Area: 326839
Amount: 0.004768
Amount Units: ng/ul



Reviewer: NearyM, 23-Dec-2021 11:16:08

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

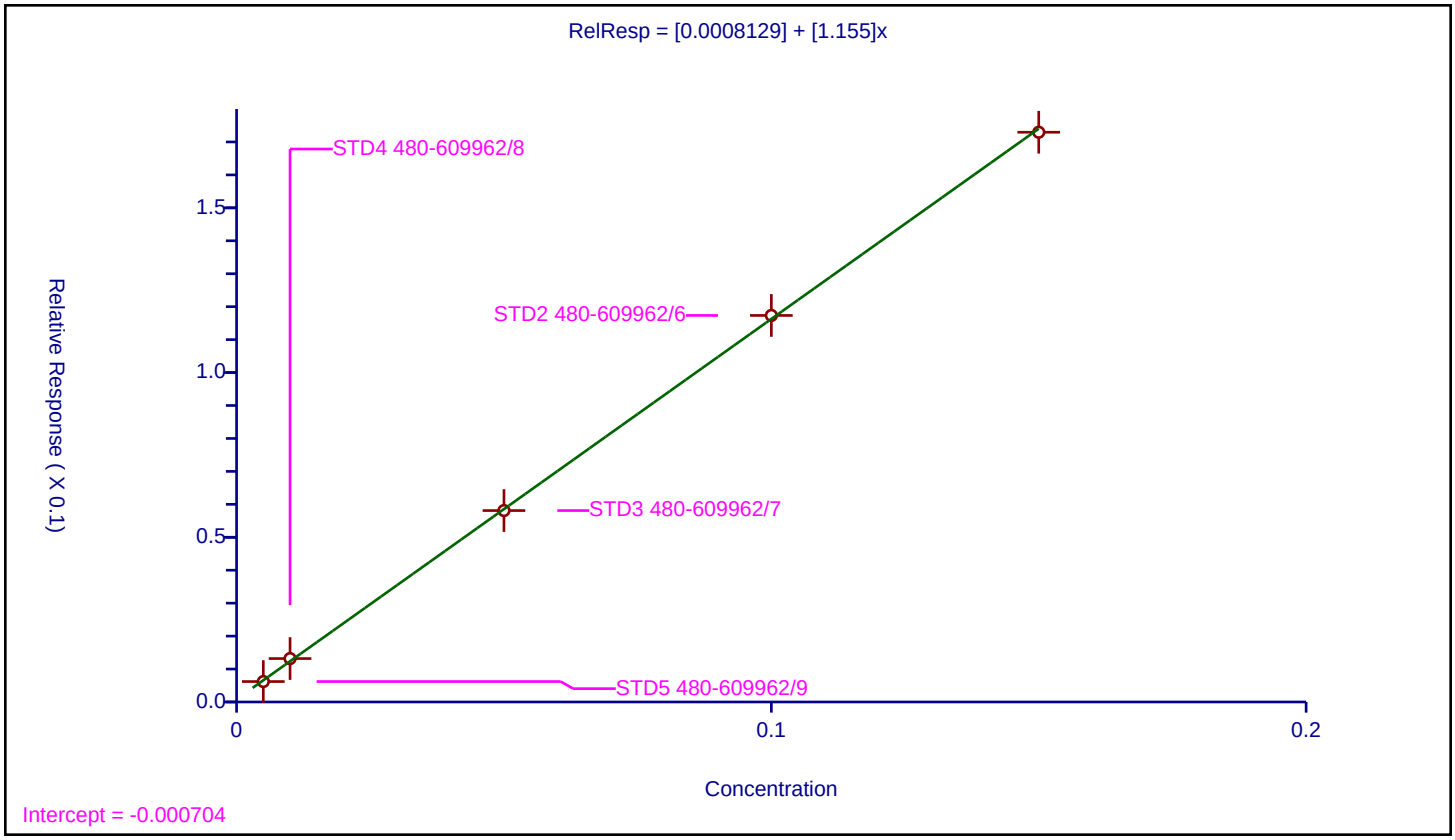
Curve Coefficients

Intercept:	0.0008129
Slope:	1.155

Error Coefficients

Standard Error:	7480000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006202	0.5	29387421.0	1.240303	Y
2	STD4 480-609962/8	0.01	0.013181	0.5	27448449.0	1.31806	Y
3	STD3 480-609962/7	0.05	0.058107	0.5	30078829.0	1.162142	Y
4	STD2 480-609962/6	0.1	0.117336	0.5	29722506.0	1.17336	Y
5	STD1 480-609962/5	0.15	0.17295	0.5	29835061.0	1.153003	Y



Calibration / alpha-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

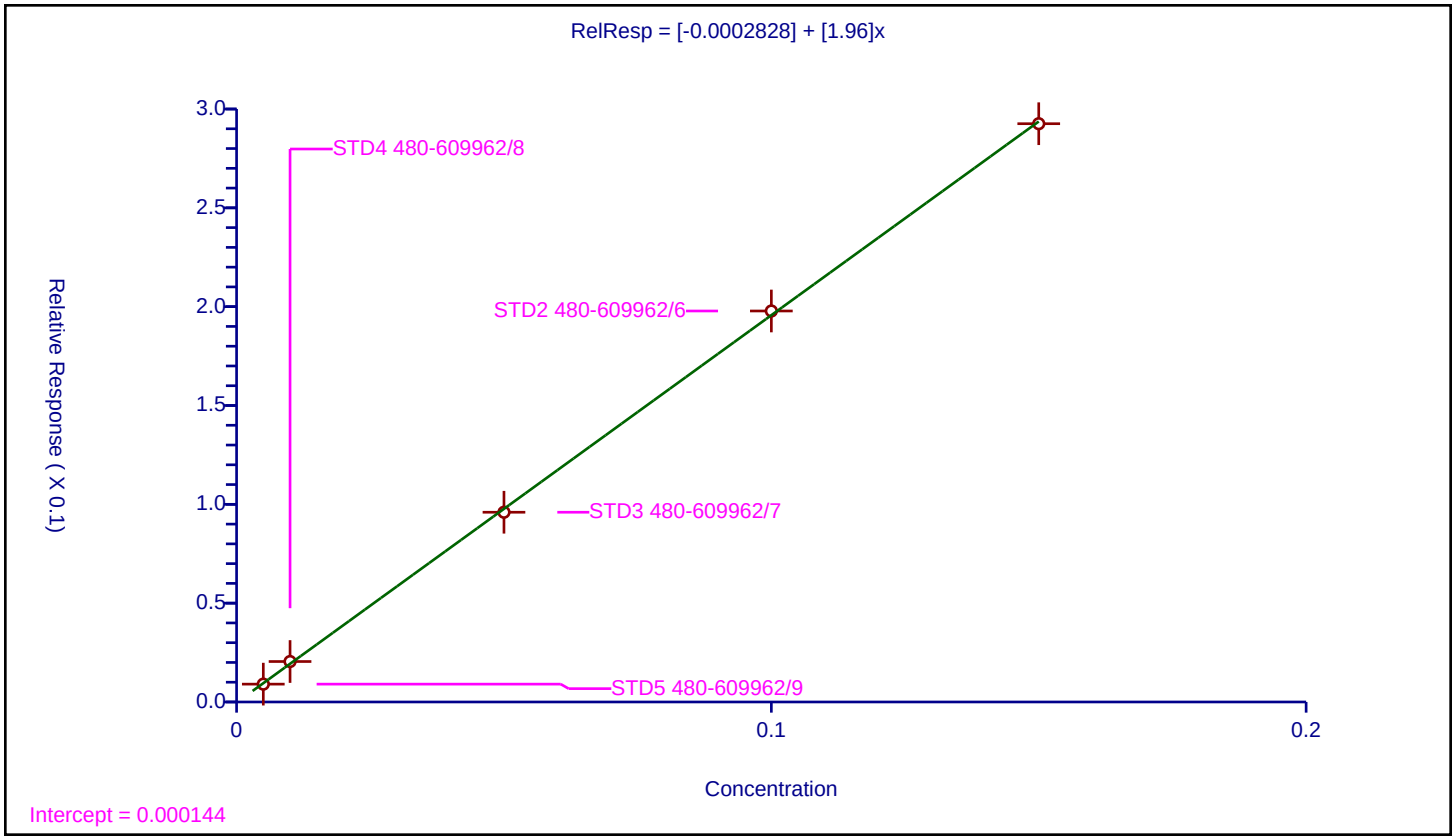
Curve Coefficients

Intercept:	-0.0002828
Slope:	1.96

Error Coefficients

Standard Error:	12600000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.009036	0.5	29387421.0	1.807141	Y
2	STD4 480-609962/8	0.01	0.020476	0.5	27448449.0	2.047569	Y
3	STD3 480-609962/7	0.05	0.096004	0.5	30078829.0	1.920077	Y
4	STD2 480-609962/6	0.1	0.197815	0.5	29722506.0	1.97815	Y
5	STD1 480-609962/5	0.15	0.292568	0.5	29835061.0	1.950456	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

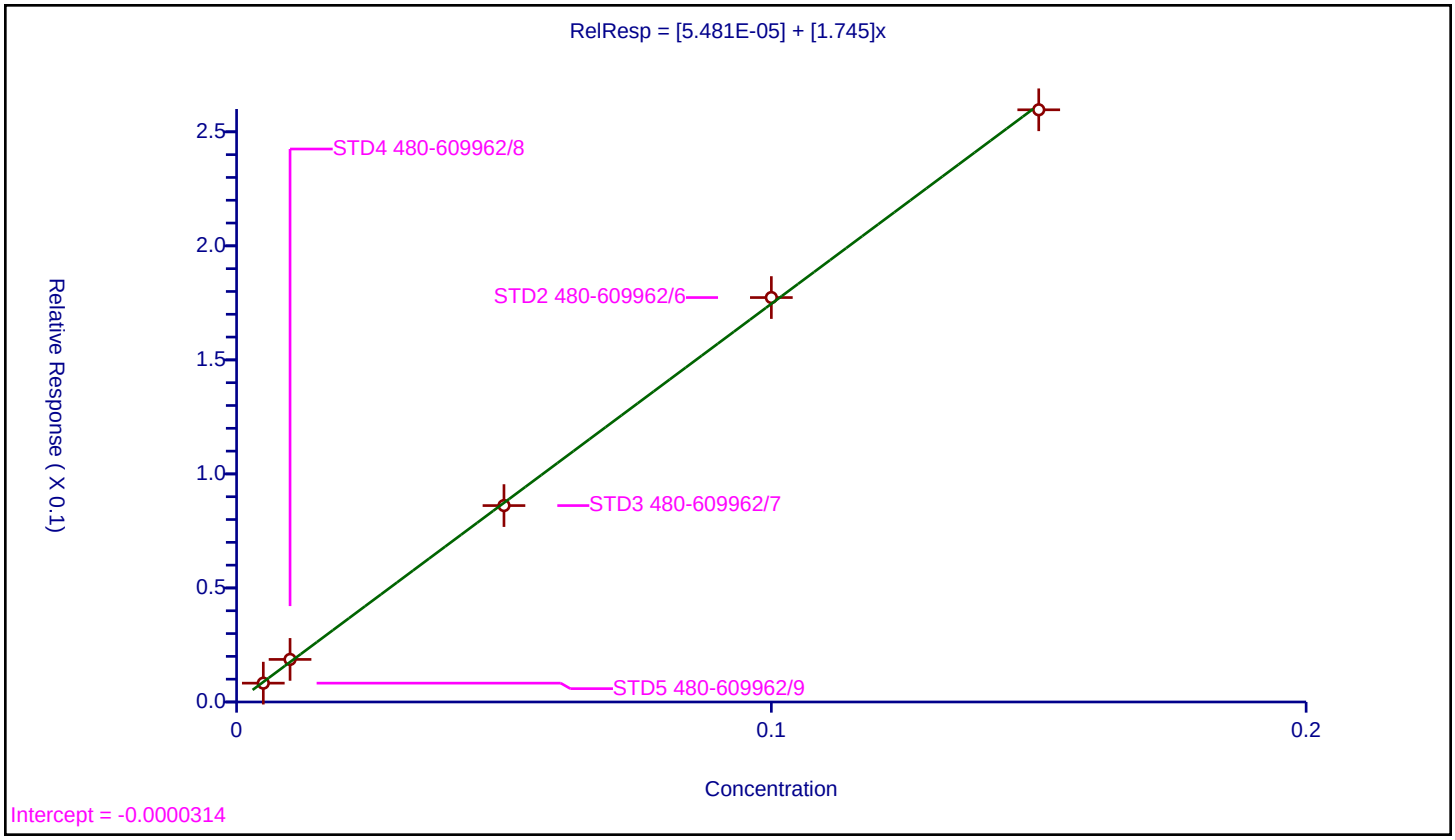
Curve Coefficients

Intercept:	5.481E-05
Slope:	1.745

Error Coefficients

Standard Error:	11200000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.008255	0.5	29387421.0	1.65104	Y
2	STD4 480-609962/8	0.01	0.018671	0.5	27448449.0	1.867071	Y
3	STD3 480-609962/7	0.05	0.086122	0.5	30078829.0	1.72244	Y
4	STD2 480-609962/6	0.1	0.177338	0.5	29722506.0	1.77338	Y
5	STD1 480-609962/5	0.15	0.259661	0.5	29835061.0	1.731071	Y



Calibration / beta-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

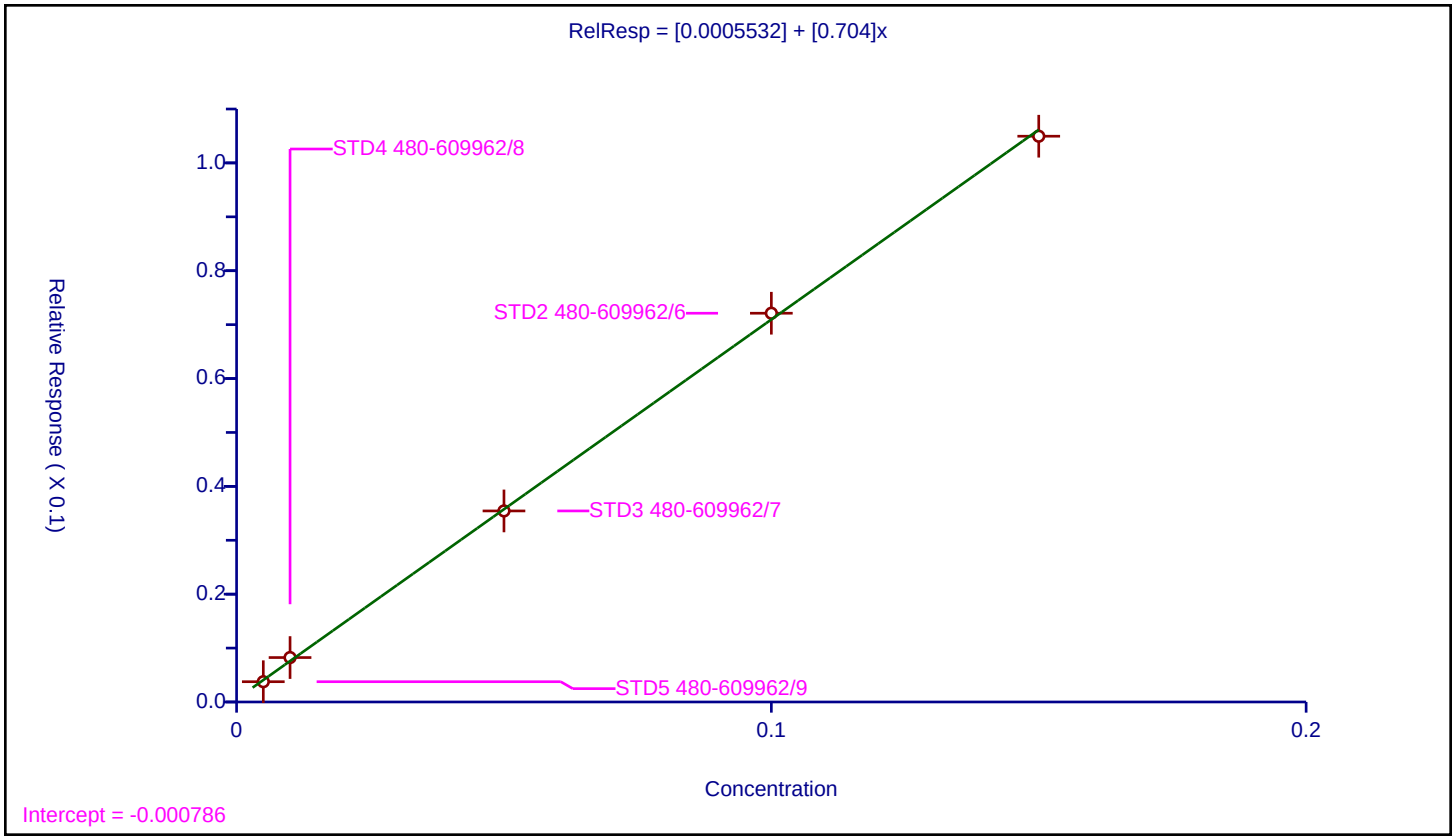
Curve Coefficients

Intercept:	0.0005532
Slope:	0.704

Error Coefficients

Standard Error:	4560000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.00376	0.5	29387421.0	0.752043	Y
2	STD4 480-609962/8	0.01	0.008244	0.5	27448449.0	0.824351	Y
3	STD3 480-609962/7	0.05	0.035441	0.5	30078829.0	0.708826	Y
4	STD2 480-609962/6	0.1	0.072116	0.5	29722506.0	0.721158	Y
5	STD1 480-609962/5	0.15	0.104956	0.5	29835061.0	0.699705	Y



Calibration / delta-BHC

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

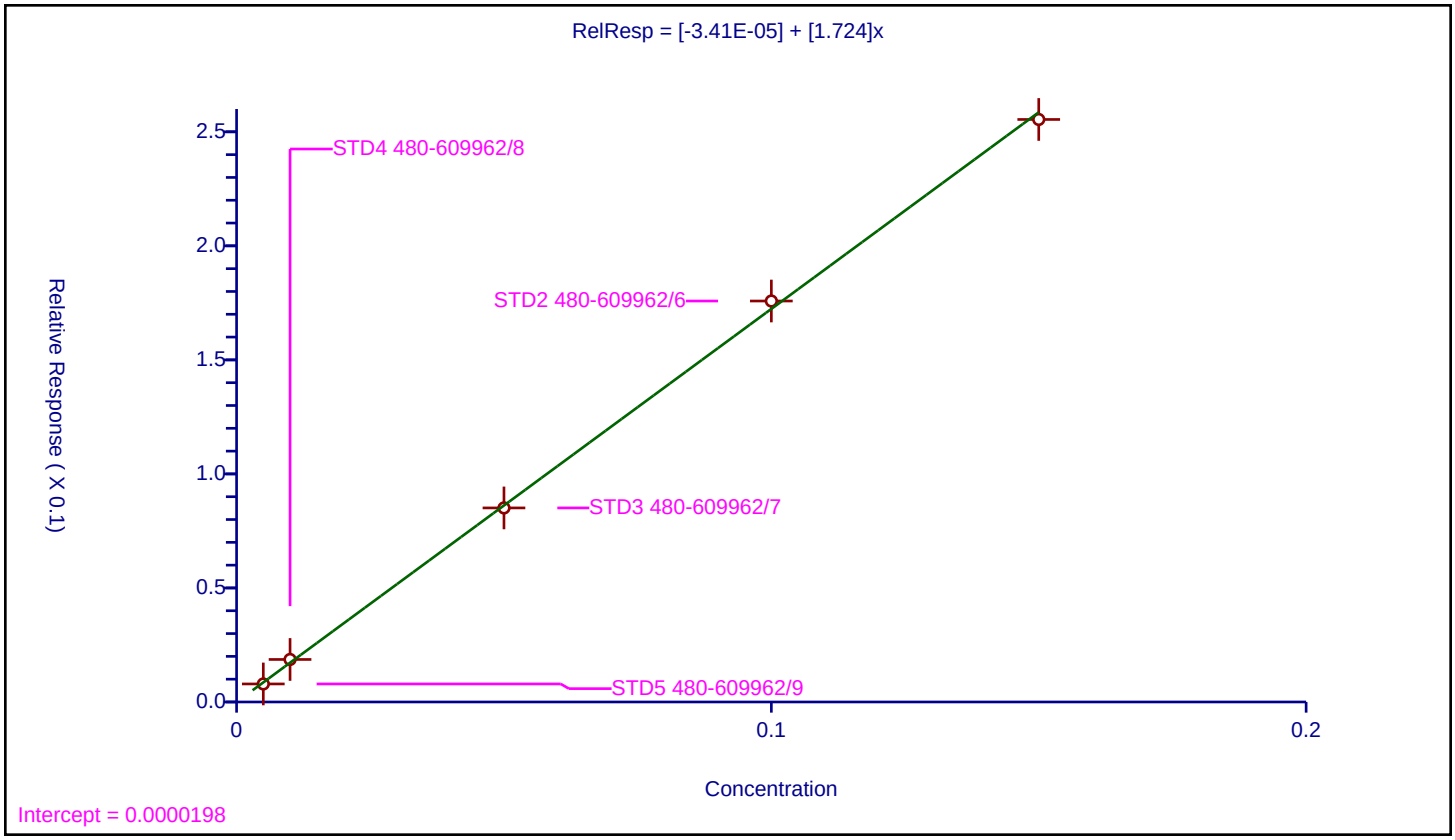
Curve Coefficients

Intercept:	-3.41E-05
Slope:	1.724

Error Coefficients

Standard Error:	11100000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007906	0.5	29387421.0	1.581204	Y
2	STD4 480-609962/8	0.01	0.018643	0.5	27448449.0	1.864273	Y
3	STD3 480-609962/7	0.05	0.08509	0.5	30078829.0	1.701806	Y
4	STD2 480-609962/6	0.1	0.175812	0.5	29722506.0	1.75812	Y
5	STD1 480-609962/5	0.15	0.255417	0.5	29835061.0	1.702782	Y



Calibration / Heptachlor

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

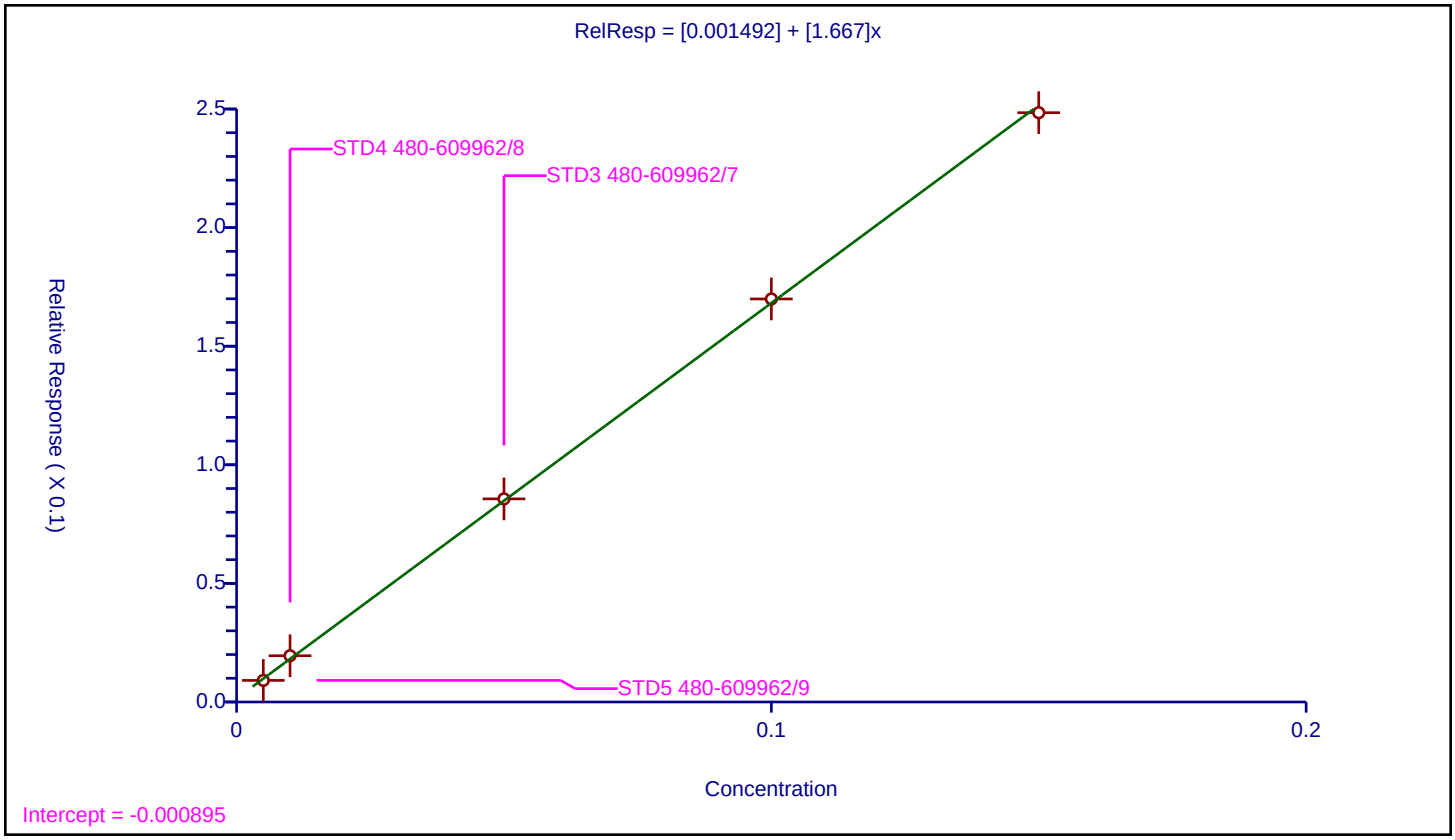
Curve Coefficients

Intercept:	0.001492
Slope:	1.667

Error Coefficients

Standard Error:	10800000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.009099	0.5	29387421.0	1.819745	Y
2	STD4 480-609962/8	0.01	0.019499	0.5	27448449.0	1.949879	Y
3	STD3 480-609962/7	0.05	0.085633	0.5	30078829.0	1.712661	Y
4	STD2 480-609962/6	0.1	0.169914	0.5	29722506.0	1.699142	Y
5	STD1 480-609962/5	0.15	0.24845	0.5	29835061.0	1.656332	Y



Calibration / Aldrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

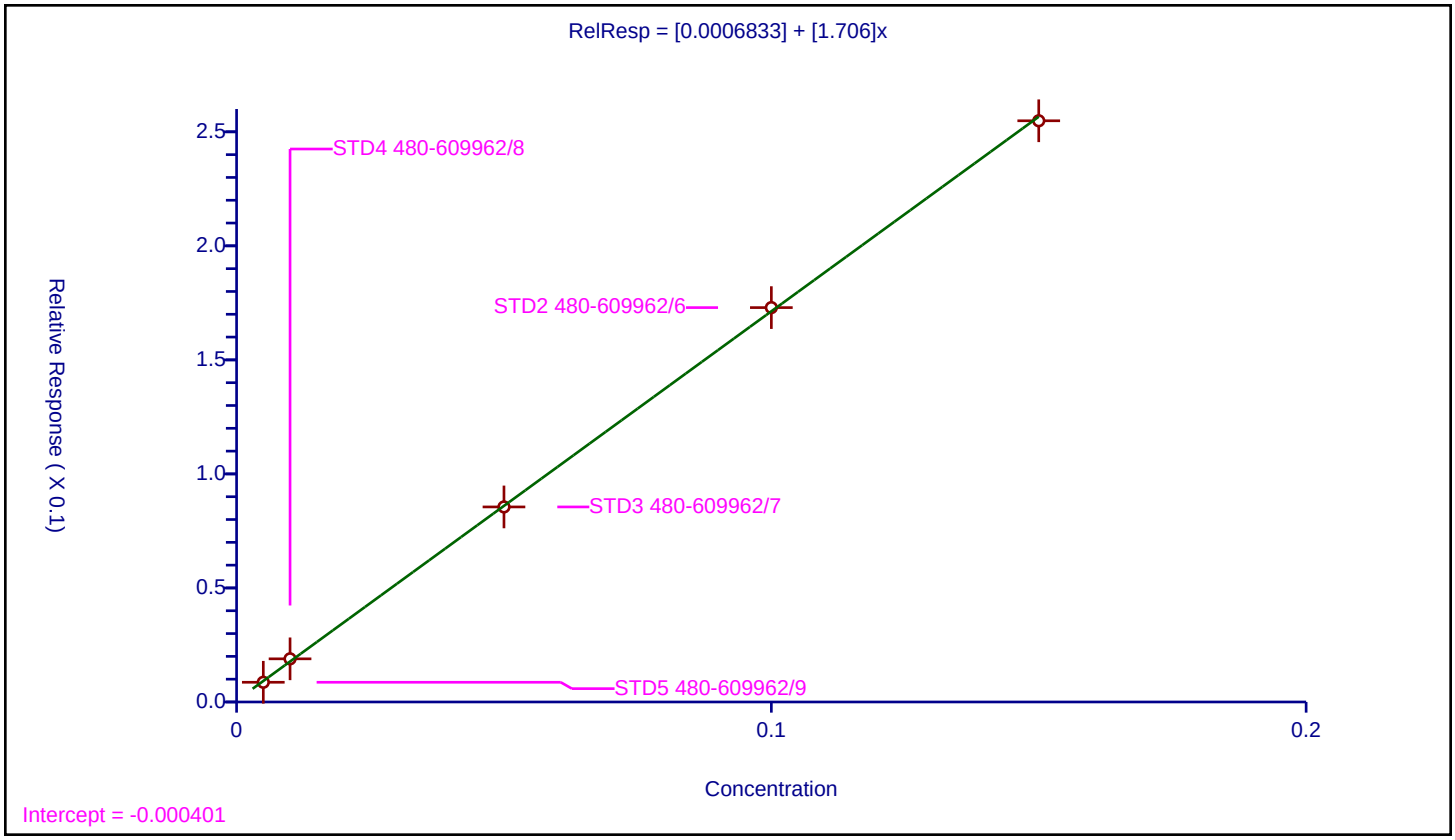
Curve Coefficients

Intercept:	0.0006833
Slope:	1.706

Error Coefficients

Standard Error:	11000000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.008649	0.5	29387421.0	1.729726	Y
2	STD4 480-609962/8	0.01	0.018926	0.5	27448449.0	1.892621	Y
3	STD3 480-609962/7	0.05	0.085528	0.5	30078829.0	1.710565	Y
4	STD2 480-609962/6	0.1	0.172924	0.5	29722506.0	1.729236	Y
5	STD1 480-609962/5	0.15	0.254848	0.5	29835061.0	1.698984	Y



Calibration / Heptachlor epoxide

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

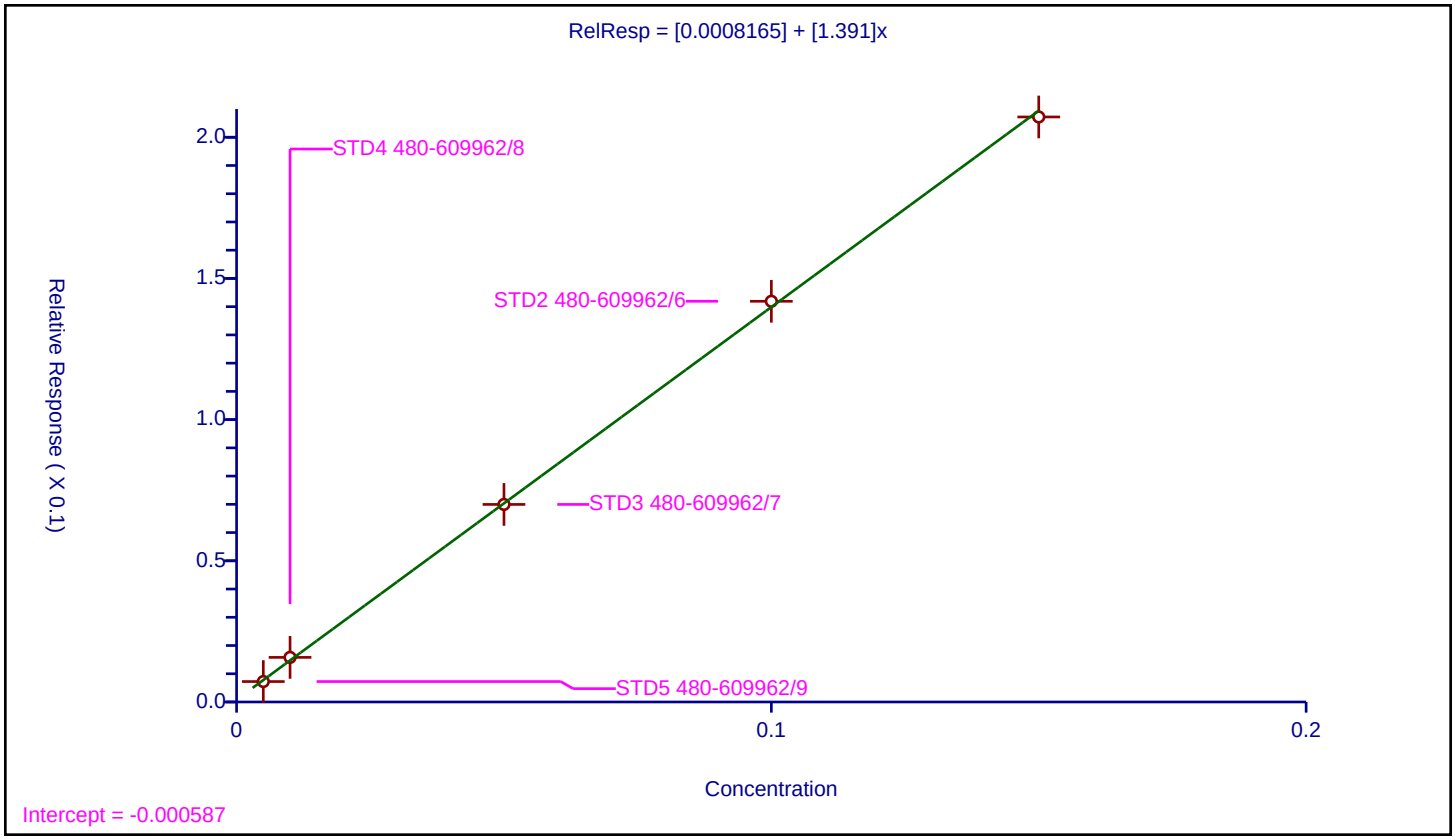
Curve Coefficients

Intercept:	0.0008165
Slope:	1.391

Error Coefficients

Standard Error:	8990000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007239	0.5	29387421.0	1.447895	Y
2	STD4 480-609962/8	0.01	0.0158	0.5	27448449.0	1.579951	Y
3	STD3 480-609962/7	0.05	0.069965	0.5	30078829.0	1.399296	Y
4	STD2 480-609962/6	0.1	0.141907	0.5	29722506.0	1.419069	Y
5	STD1 480-609962/5	0.15	0.207182	0.5	29835061.0	1.381214	Y



Calibration / trans-Chlordane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

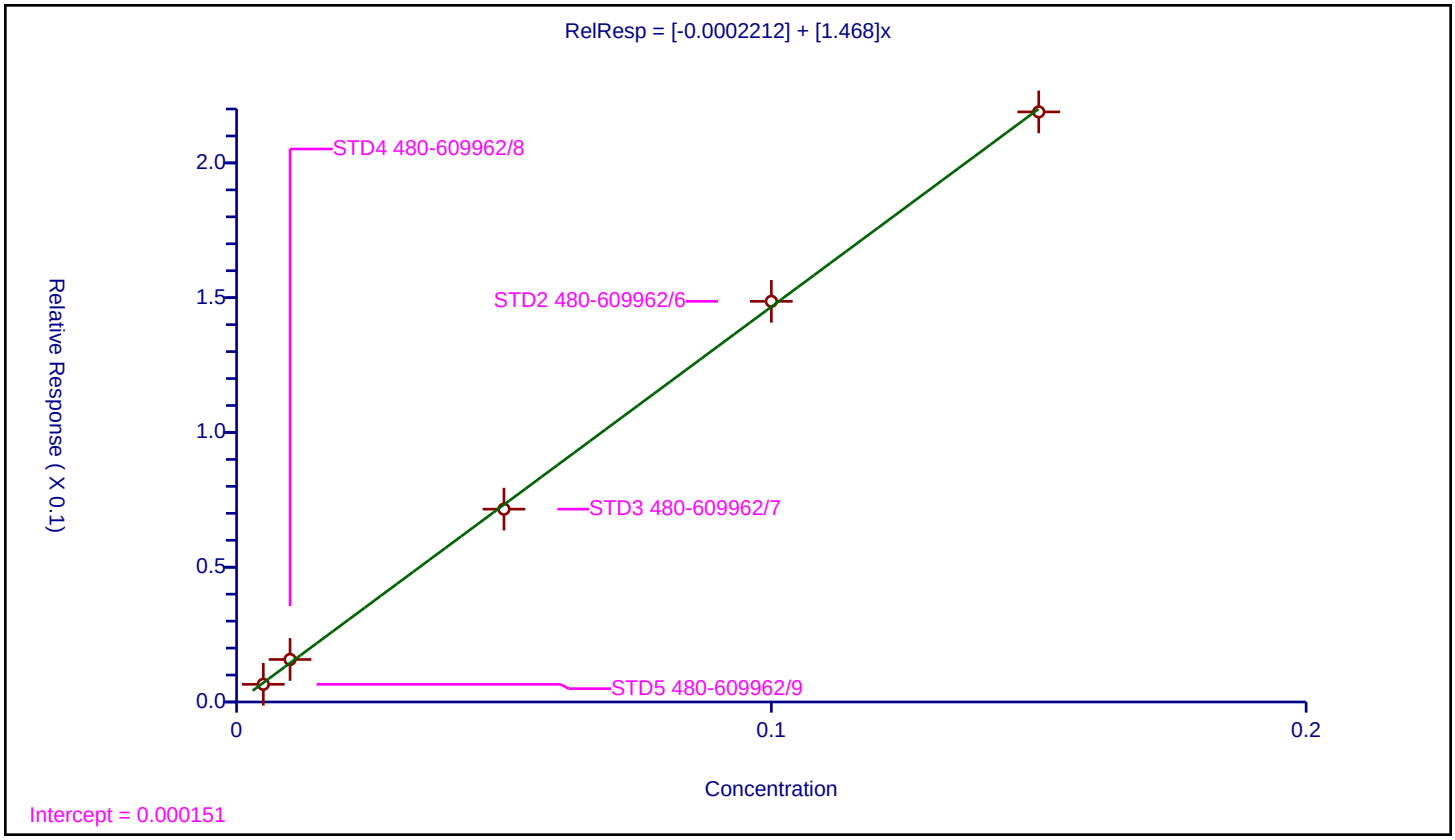
Curve Coefficients

Intercept:	-0.0002212
Slope:	1.468

Error Coefficients

Standard Error:	9450000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006569	0.5	29387421.0	1.313722	Y
2	STD4 480-609962/8	0.01	0.015773	0.5	27448449.0	1.577304	Y
3	STD3 480-609962/7	0.05	0.071546	0.5	30078829.0	1.430911	Y
4	STD2 480-609962/6	0.1	0.14865	0.5	29722506.0	1.486504	Y
5	STD1 480-609962/5	0.15	0.218931	0.5	29835061.0	1.459542	Y



Calibration / cis-Chlordane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

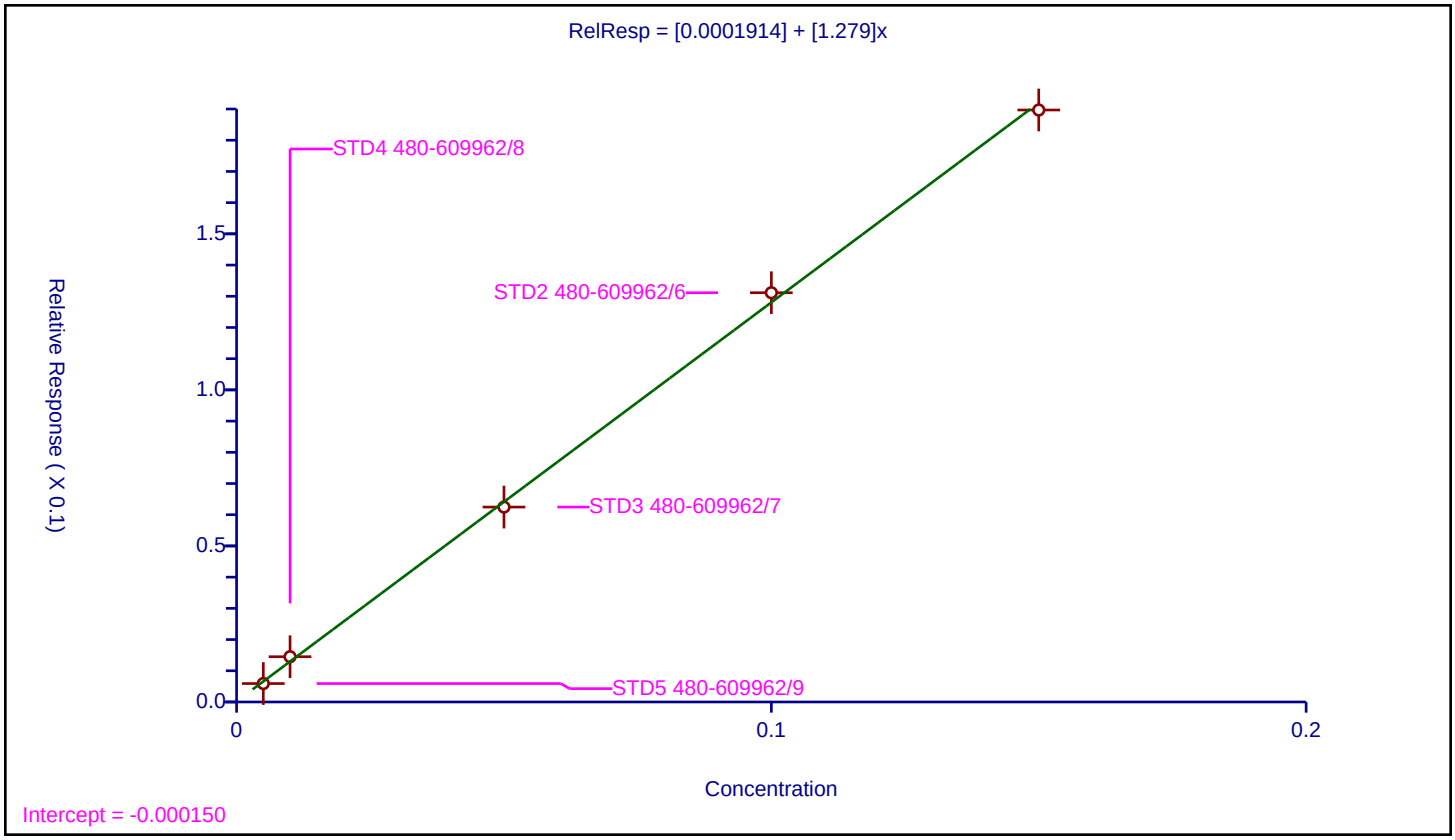
Curve Coefficients

Intercept:	0.0001914
Slope:	1.279

Error Coefficients

Standard Error:	8240000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005909	0.5	29387421.0	1.181846	Y
2	STD4 480-609962/8	0.01	0.014501	0.5	27448449.0	1.450066	Y
3	STD3 480-609962/7	0.05	0.062455	0.5	30078829.0	1.249109	Y
4	STD2 480-609962/6	0.1	0.131139	0.5	29722506.0	1.31139	Y
5	STD1 480-609962/5	0.15	0.189681	0.5	29835061.0	1.26454	Y



Calibration / Endosulfan I

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

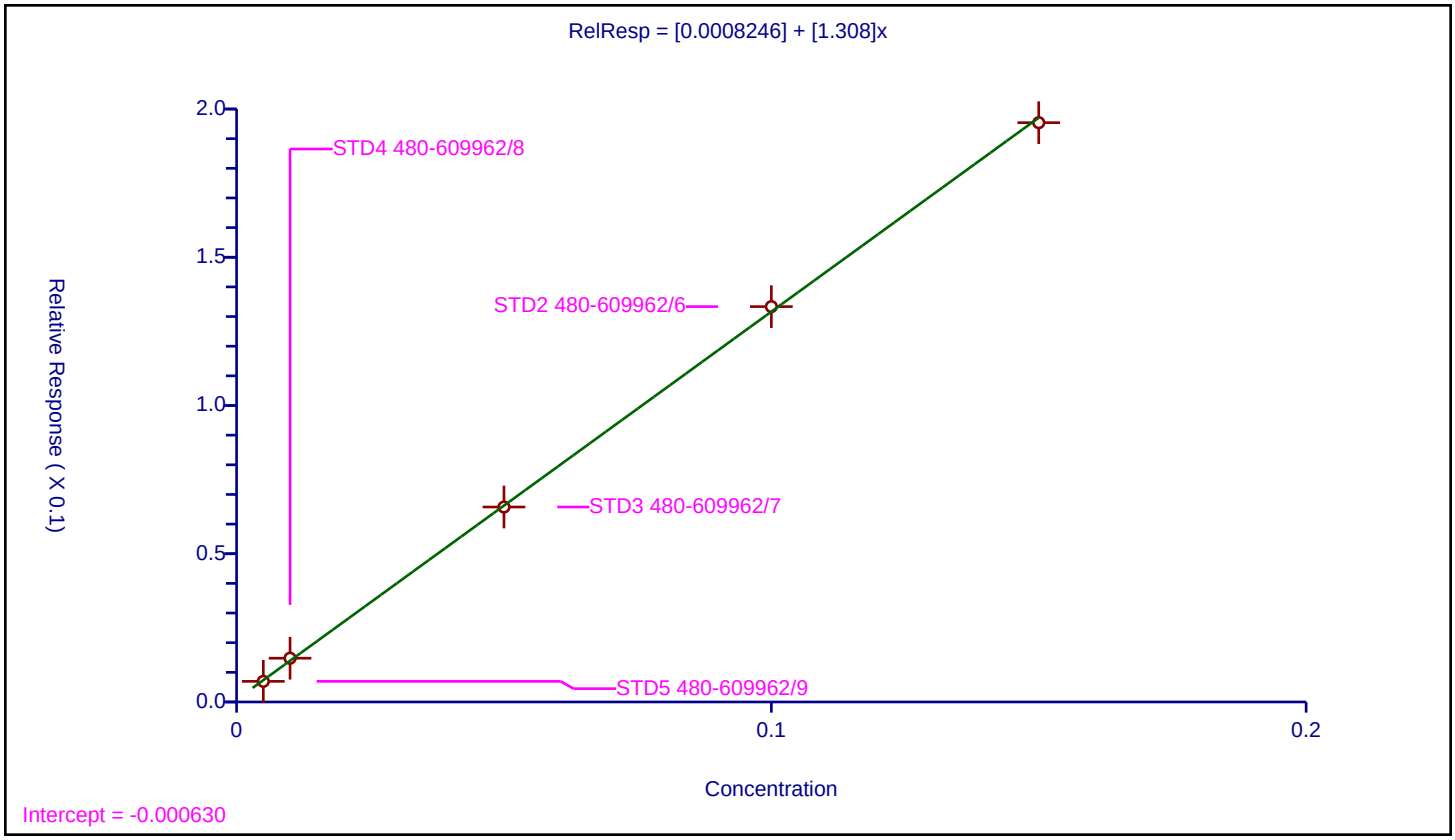
Curve Coefficients

Intercept:	0.0008246
Slope:	1.308

Error Coefficients

Standard Error:	8470000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006958	0.5	29387421.0	1.391561	Y
2	STD4 480-609962/8	0.01	0.01476	0.5	27448449.0	1.475991	Y
3	STD3 480-609962/7	0.05	0.06576	0.5	30078829.0	1.315202	Y
4	STD2 480-609962/6	0.1	0.133352	0.5	29722506.0	1.333516	Y
5	STD1 480-609962/5	0.15	0.195394	0.5	29835061.0	1.302625	Y



Calibration / 4,4'-DDE

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

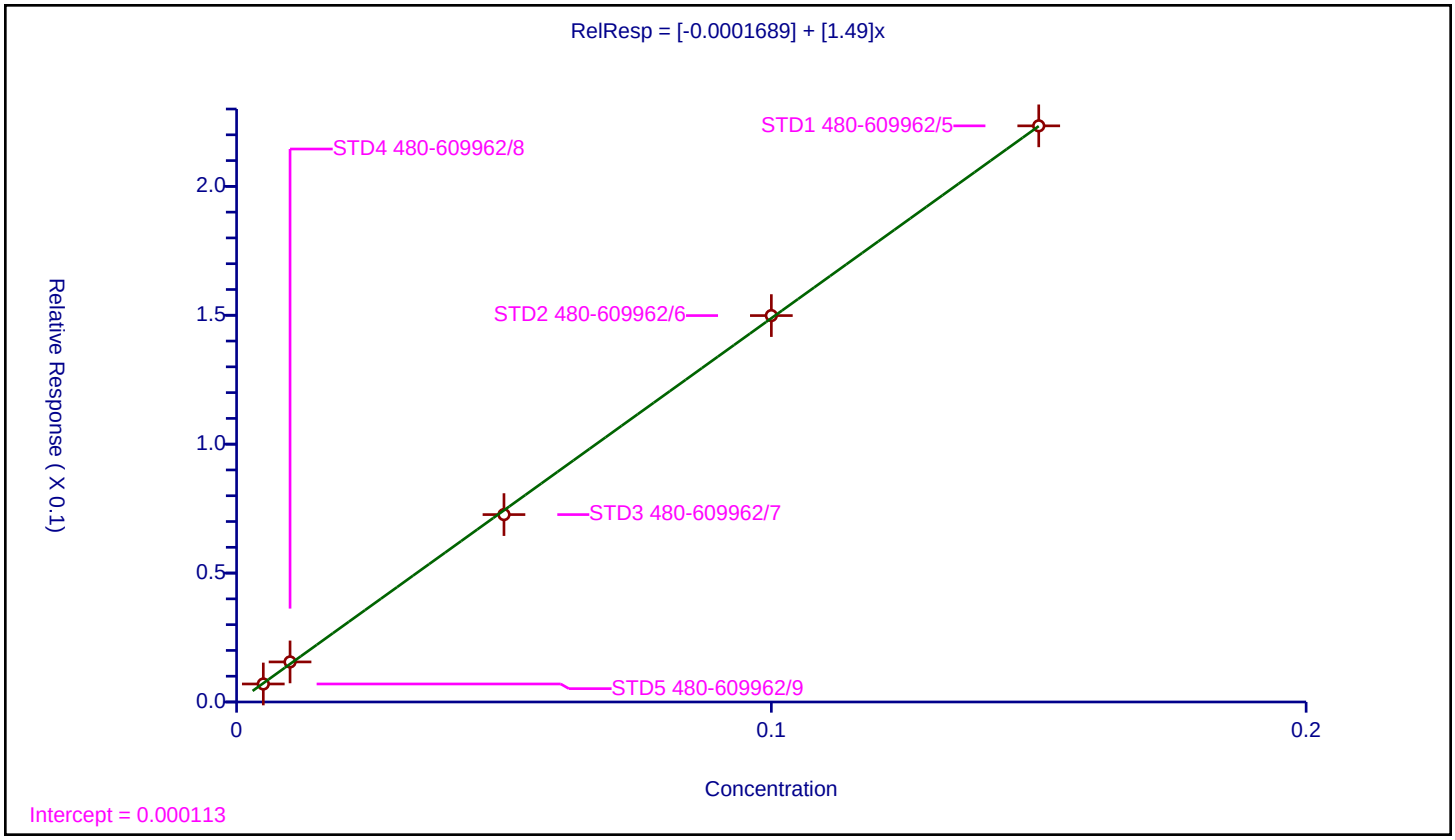
Curve Coefficients

Intercept:	-0.0001689
Slope:	1.49

Error Coefficients

Standard Error:	9610000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.00699	0.5	29387421.0	1.39804	Y
2	STD4 480-609962/8	0.01	0.015538	0.5	27448449.0	1.553769	Y
3	STD3 480-609962/7	0.05	0.072687	0.5	30078829.0	1.453737	Y
4	STD2 480-609962/6	0.1	0.149882	0.5	29722506.0	1.498817	Y
5	STD1 480-609962/5	0.15	0.223476	0.5	29835061.0	1.48984	Y



Calibration / Dieldrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

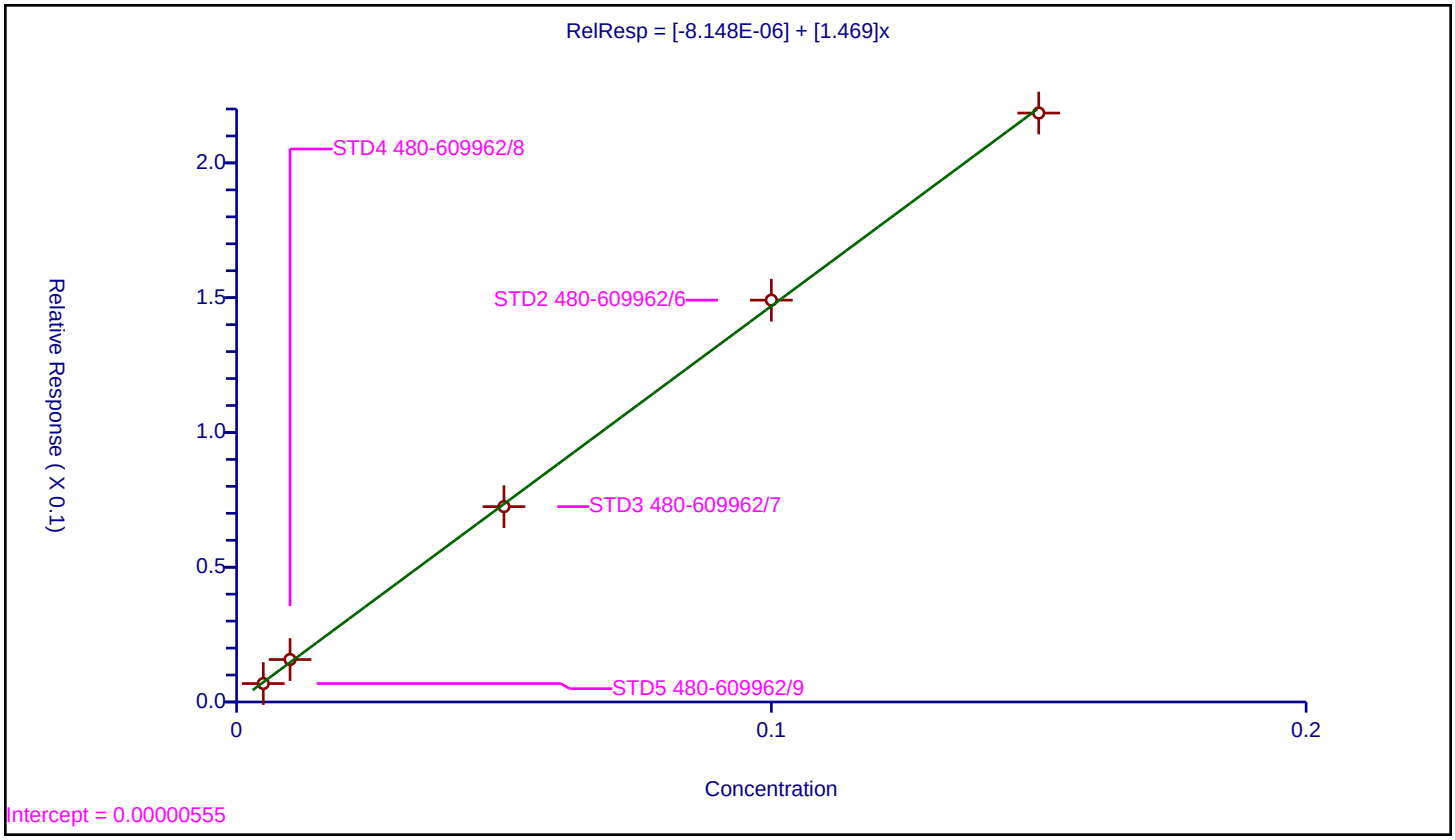
Curve Coefficients

Intercept:	-8.148E-06
Slope:	1.469

Error Coefficients

Standard Error:	9460000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006844	0.5	29387421.0	1.368786	Y
2	STD4 480-609962/8	0.01	0.015759	0.5	27448449.0	1.575942	Y
3	STD3 480-609962/7	0.05	0.072489	0.5	30078829.0	1.449779	Y
4	STD2 480-609962/6	0.1	0.149084	0.5	29722506.0	1.490837	Y
5	STD1 480-609962/5	0.15	0.218505	0.5	29835061.0	1.456698	Y



Calibration / Endrin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

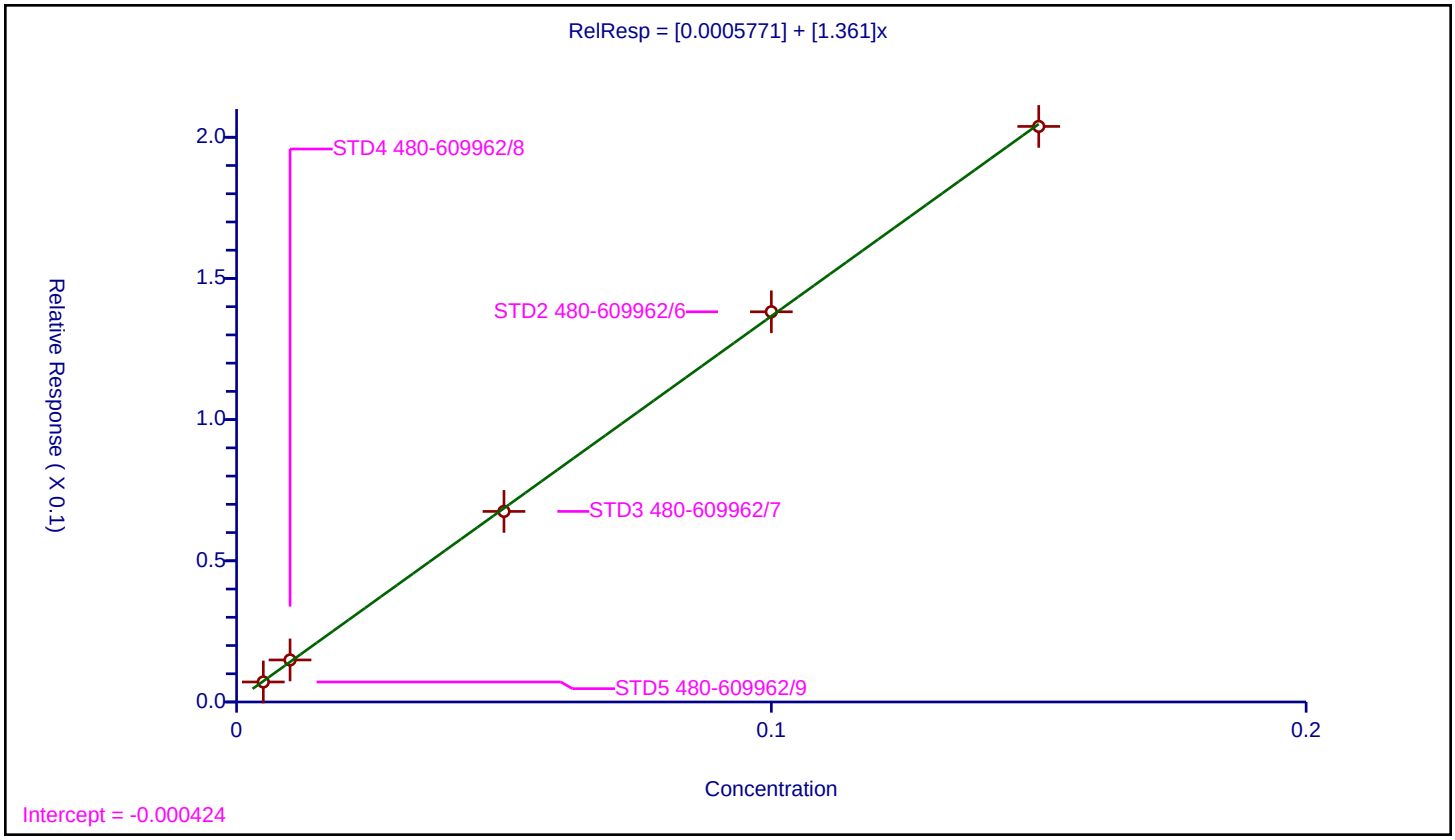
Curve Coefficients

Intercept:	0.0005771
Slope:	1.361

Error Coefficients

Standard Error:	8810000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.007089	0.5	29387421.0	1.417899	Y
2	STD4 480-609962/8	0.01	0.014892	0.5	27448449.0	1.489166	Y
3	STD3 480-609962/7	0.05	0.067486	0.5	30078829.0	1.349729	Y
4	STD2 480-609962/6	0.1	0.138191	0.5	29722506.0	1.381906	Y
5	STD1 480-609962/5	0.15	0.203835	0.5	29835061.0	1.358901	Y



Calibration / 4,4'-DDD

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

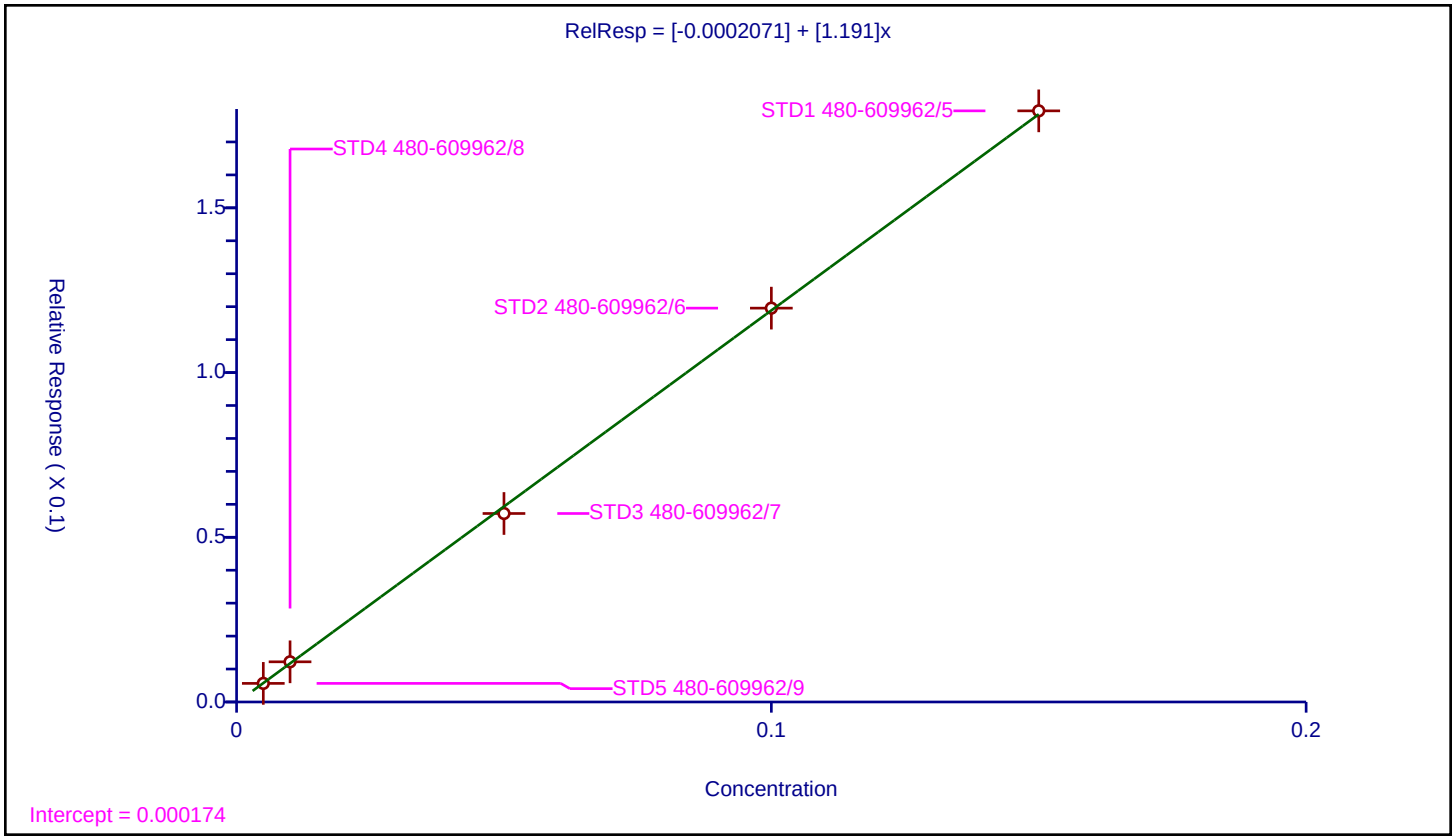
Curve Coefficients

Intercept:	-0.0002071
Slope:	1.191

Error Coefficients

Standard Error:	7690000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005643	0.5	29387421.0	1.128507	Y
2	STD4 480-609962/8	0.01	0.012193	0.5	27448449.0	1.219298	Y
3	STD3 480-609962/7	0.05	0.057219	0.5	30078829.0	1.144379	Y
4	STD2 480-609962/6	0.1	0.119553	0.5	29722506.0	1.195532	Y
5	STD1 480-609962/5	0.15	0.179442	0.5	29835061.0	1.196279	Y



Calibration / Endosulfan II

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

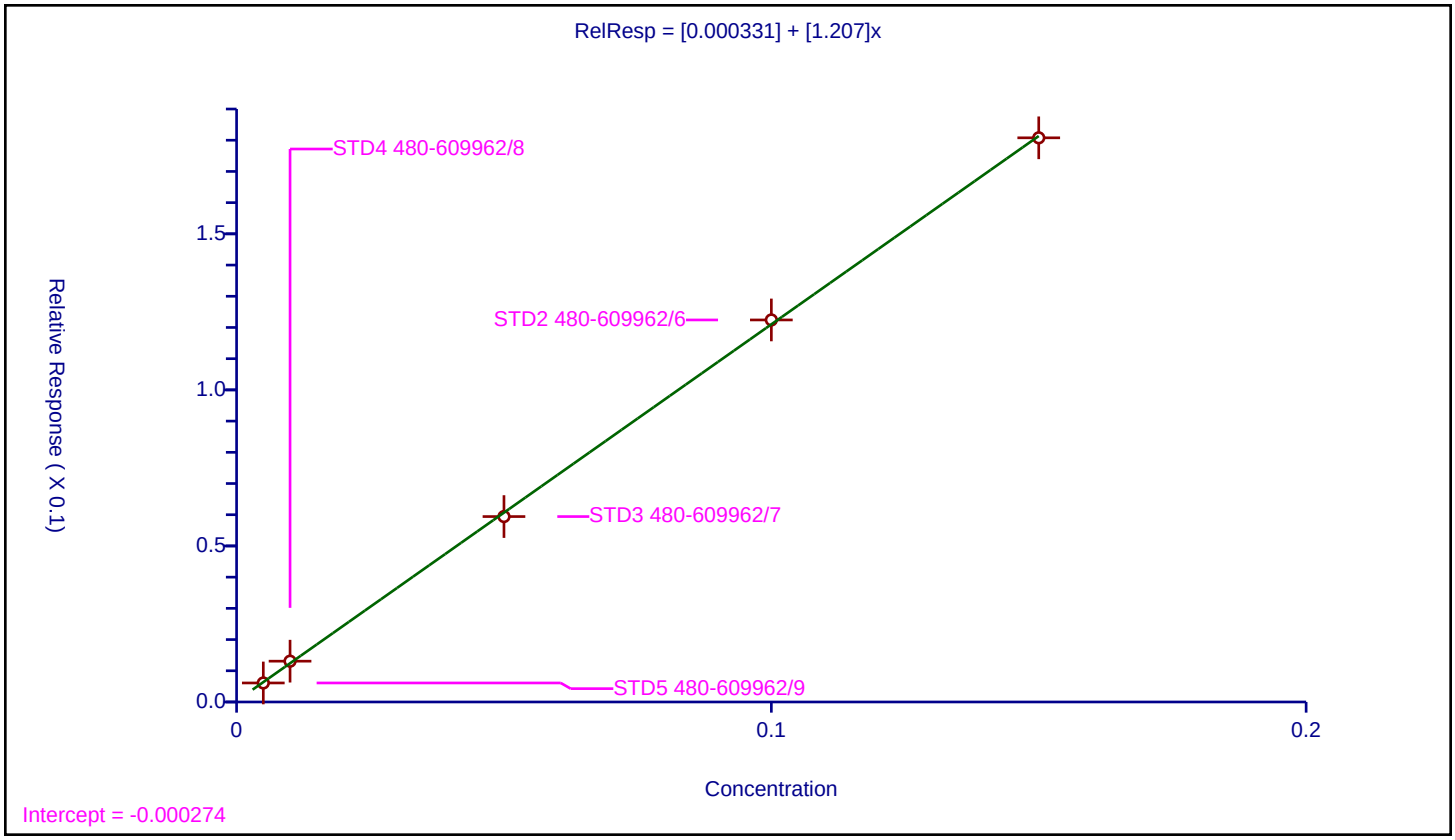
Curve Coefficients

Intercept:	0.000331
Slope:	1.207

Error Coefficients

Standard Error:	7800000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.006098	0.5	29387421.0	1.219508	Y
2	STD4 480-609962/8	0.01	0.013081	0.5	27448449.0	1.308059	Y
3	STD3 480-609962/7	0.05	0.059415	0.5	30078829.0	1.188294	Y
4	STD2 480-609962/6	0.1	0.122416	0.5	29722506.0	1.224163	Y
5	STD1 480-609962/5	0.15	0.180771	0.5	29835061.0	1.205143	Y



Calibration / 4,4'-DDT

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

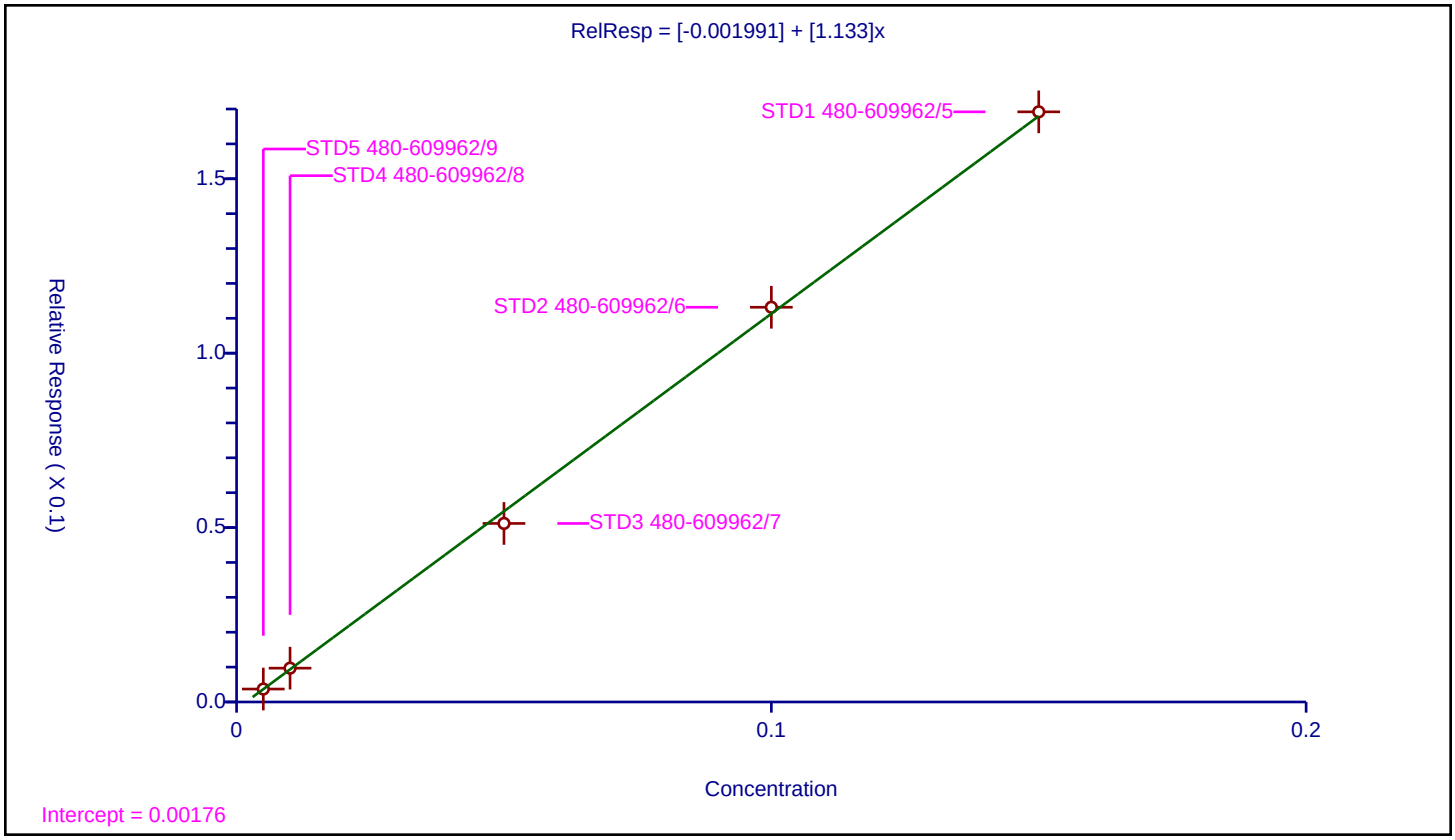
Curve Coefficients

Intercept:	-0.001991
Slope:	1.133

Error Coefficients

Standard Error:	7230000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.003709	0.5	29387421.0	0.741766	Y
2	STD4 480-609962/8	0.01	0.009697	0.5	27448449.0	0.969723	Y
3	STD3 480-609962/7	0.05	0.051189	0.5	30078829.0	1.023772	Y
4	STD2 480-609962/6	0.1	0.113163	0.5	29722506.0	1.131633	Y
5	STD1 480-609962/5	0.15	0.16919	0.5	29835061.0	1.127935	Y



Calibration / Endrin aldehyde

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

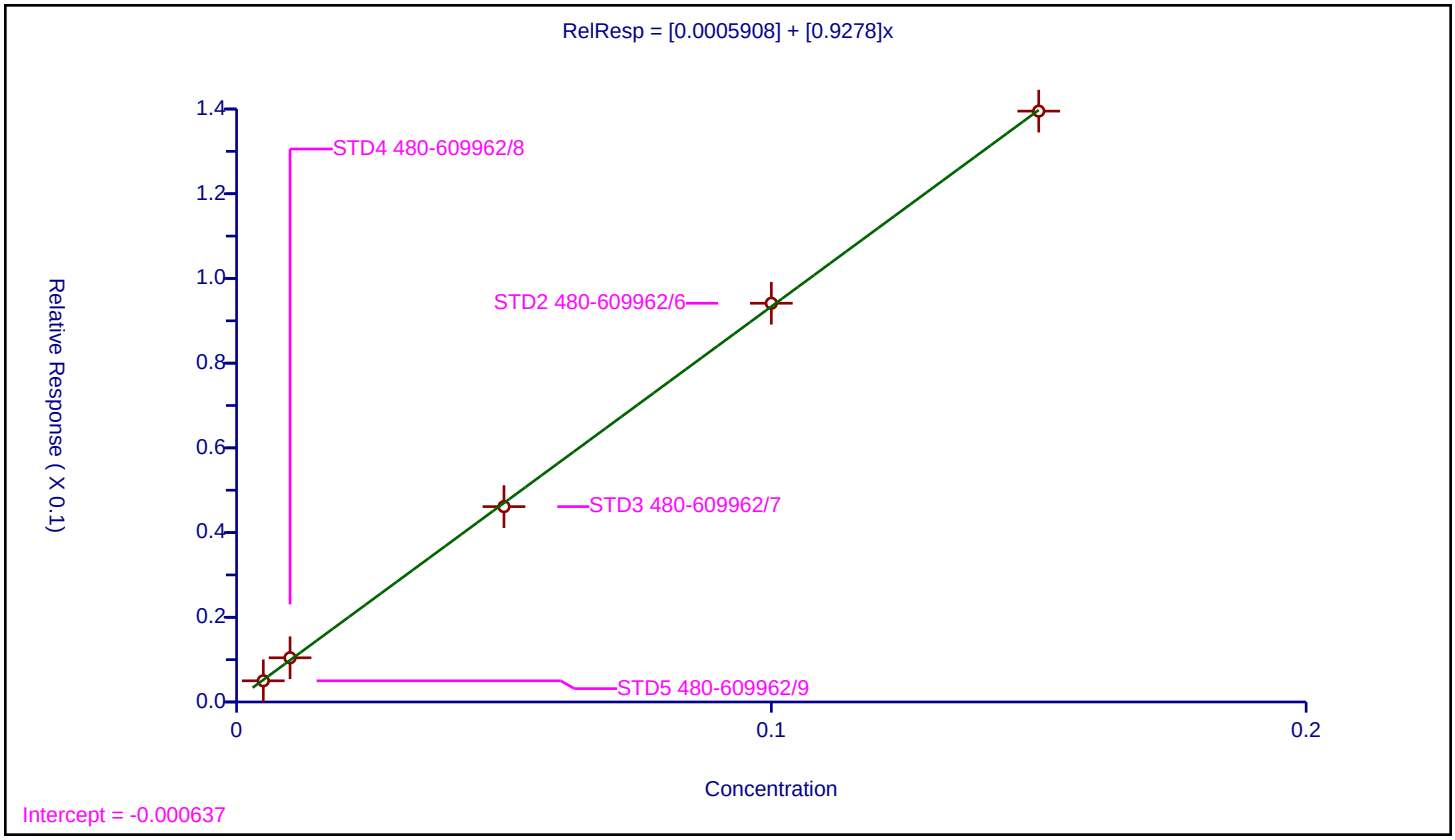
Curve Coefficients

Intercept:	0.0005908
Slope:	0.9278

Error Coefficients

Standard Error:	6020000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005001	0.5	29387421.0	1.00021	Y
2	STD4 480-609962/8	0.01	0.010437	0.5	27448449.0	1.043662	Y
3	STD3 480-609962/7	0.05	0.046127	0.5	30078829.0	0.92254	Y
4	STD2 480-609962/6	0.1	0.09414	0.5	29722506.0	0.941399	Y
5	STD1 480-609962/5	0.15	0.139501	0.5	29835061.0	0.930004	Y



Calibration / Endosulfan sulfate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

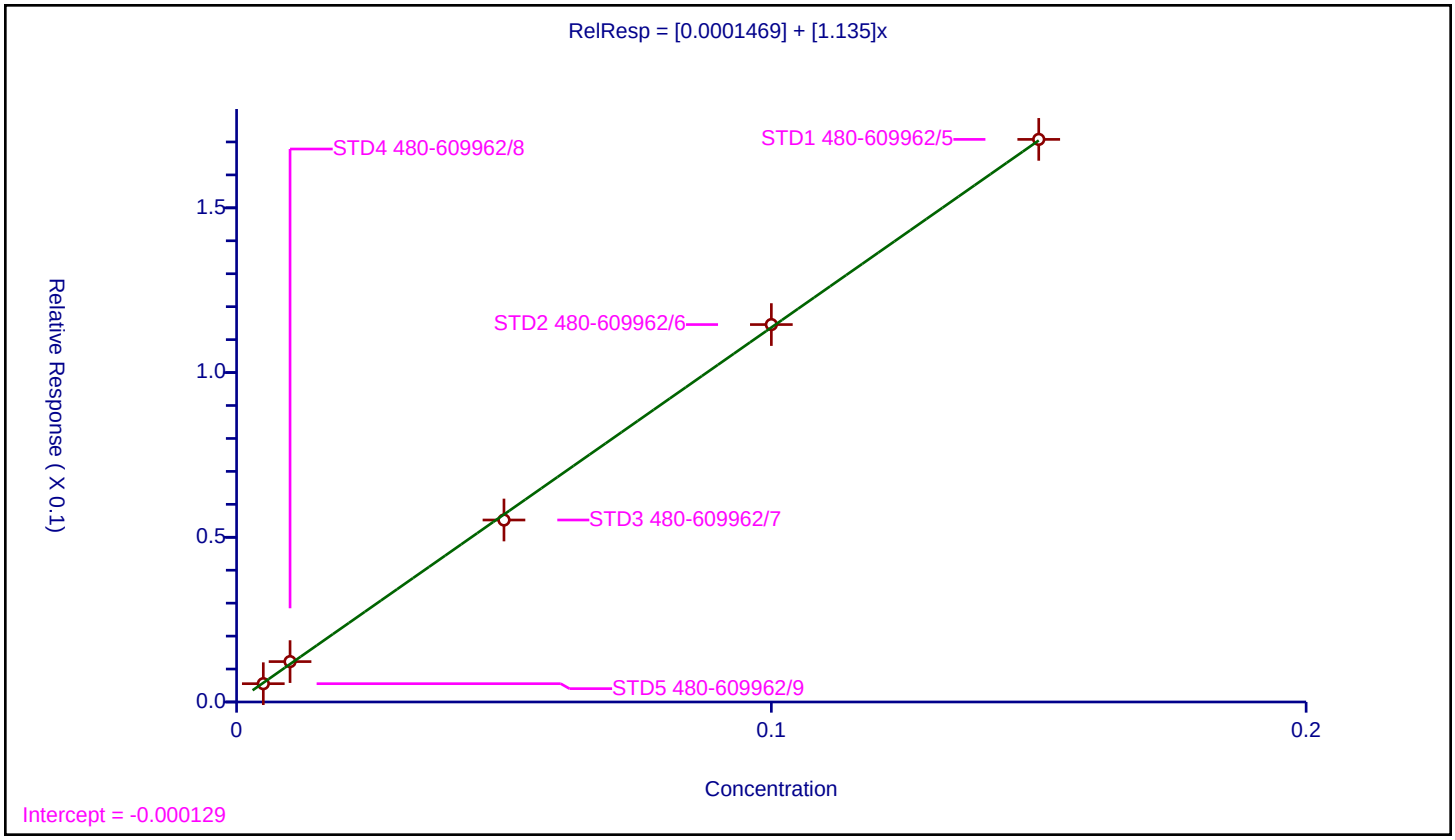
Curve Coefficients

Intercept:	0.0001469
Slope:	1.135

Error Coefficients

Standard Error:	7340000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005561	0.5	29387421.0	1.112173	Y
2	STD4 480-609962/8	0.01	0.012256	0.5	27448449.0	1.225576	Y
3	STD3 480-609962/7	0.05	0.05524	0.5	30078829.0	1.1048	Y
4	STD2 480-609962/6	0.1	0.114569	0.5	29722506.0	1.145686	Y
5	STD1 480-609962/5	0.15	0.170781	0.5	29835061.0	1.138539	Y



Calibration / Methoxychlor

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

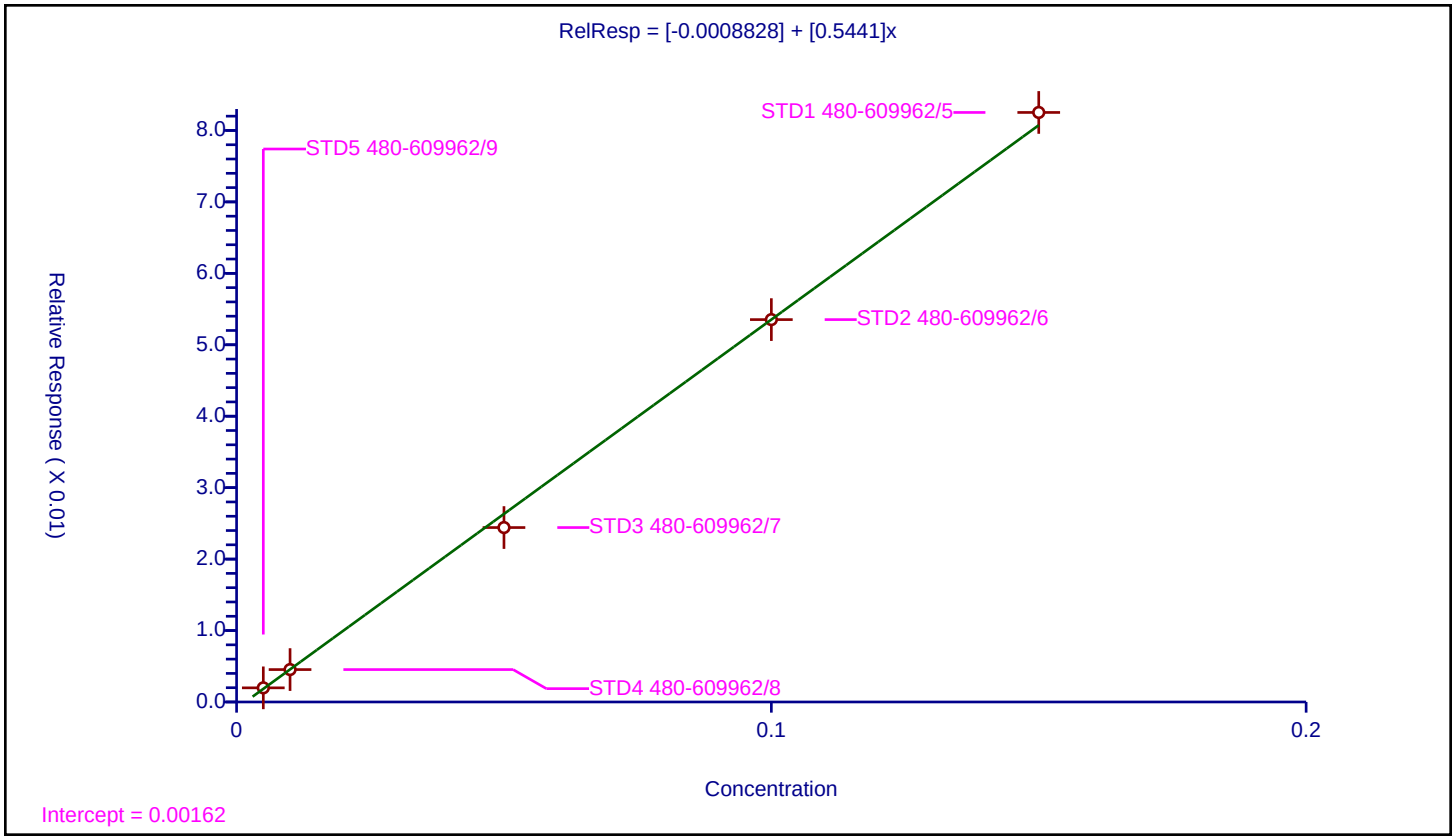
Curve Coefficients

Intercept:	-0.0008828
Slope:	0.5441

Error Coefficients

Standard Error:	3490000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.001979	0.5	29387421.0	0.39589	Y
2	STD4 480-609962/8	0.01	0.004537	0.5	27448449.0	0.453683	Y
3	STD3 480-609962/7	0.05	0.024417	0.5	30078829.0	0.48833	Y
4	STD2 480-609962/6	0.1	0.053523	0.5	29722506.0	0.535229	Y
5	STD1 480-609962/5	0.15	0.082519	0.5	29835061.0	0.550129	Y



Calibration / Endrin ketone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

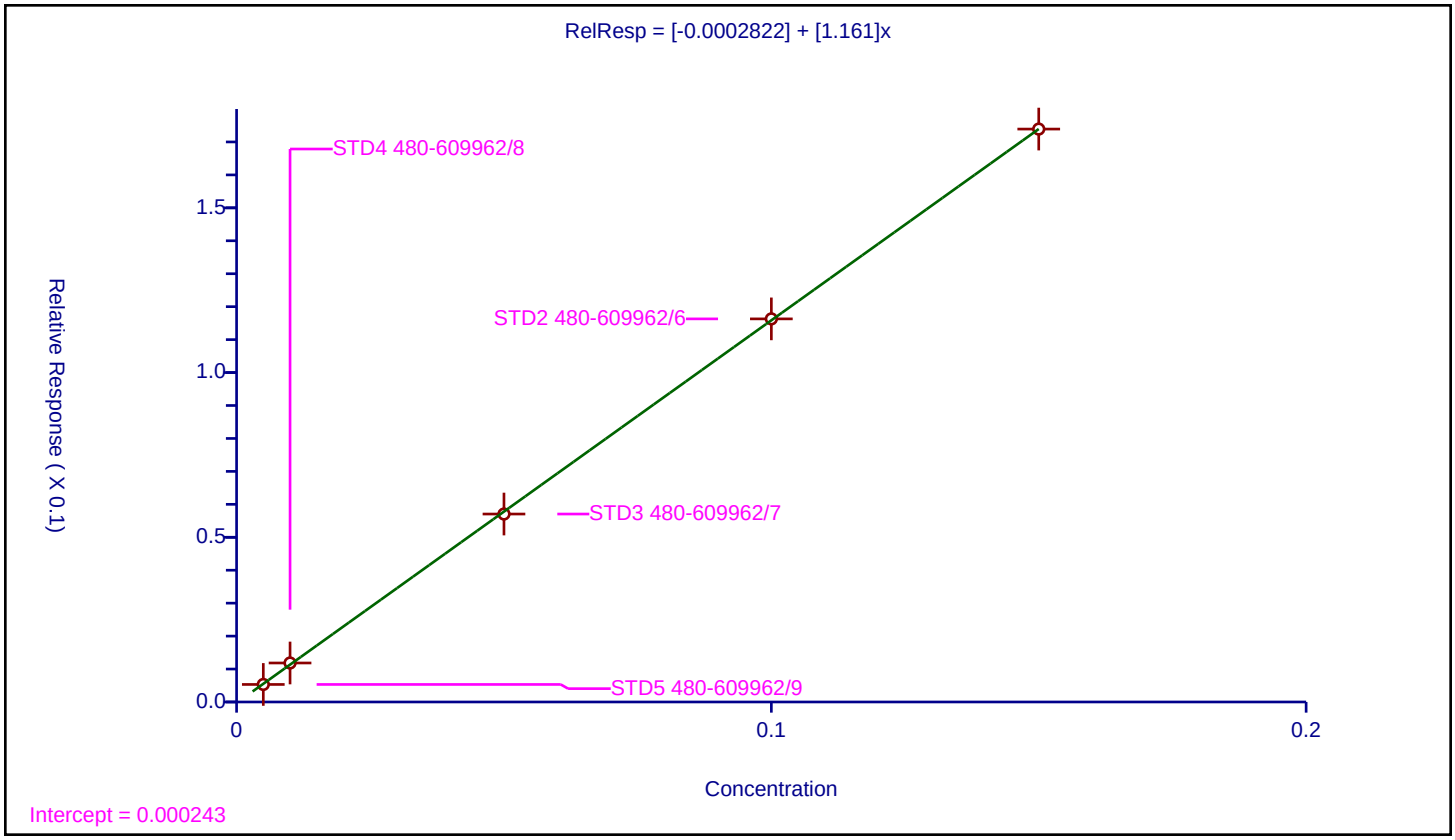
Curve Coefficients

Intercept:	-0.0002822
Slope:	1.161

Error Coefficients

Standard Error:	7480000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005323	0.5	29387421.0	1.064581	Y
2	STD4 480-609962/8	0.01	0.011838	0.5	27448449.0	1.183816	Y
3	STD3 480-609962/7	0.05	0.05706	0.5	30078829.0	1.141193	Y
4	STD2 480-609962/6	0.1	0.116296	0.5	29722506.0	1.162963	Y
5	STD1 480-609962/5	0.15	0.17391	0.5	29835061.0	1.159398	Y



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

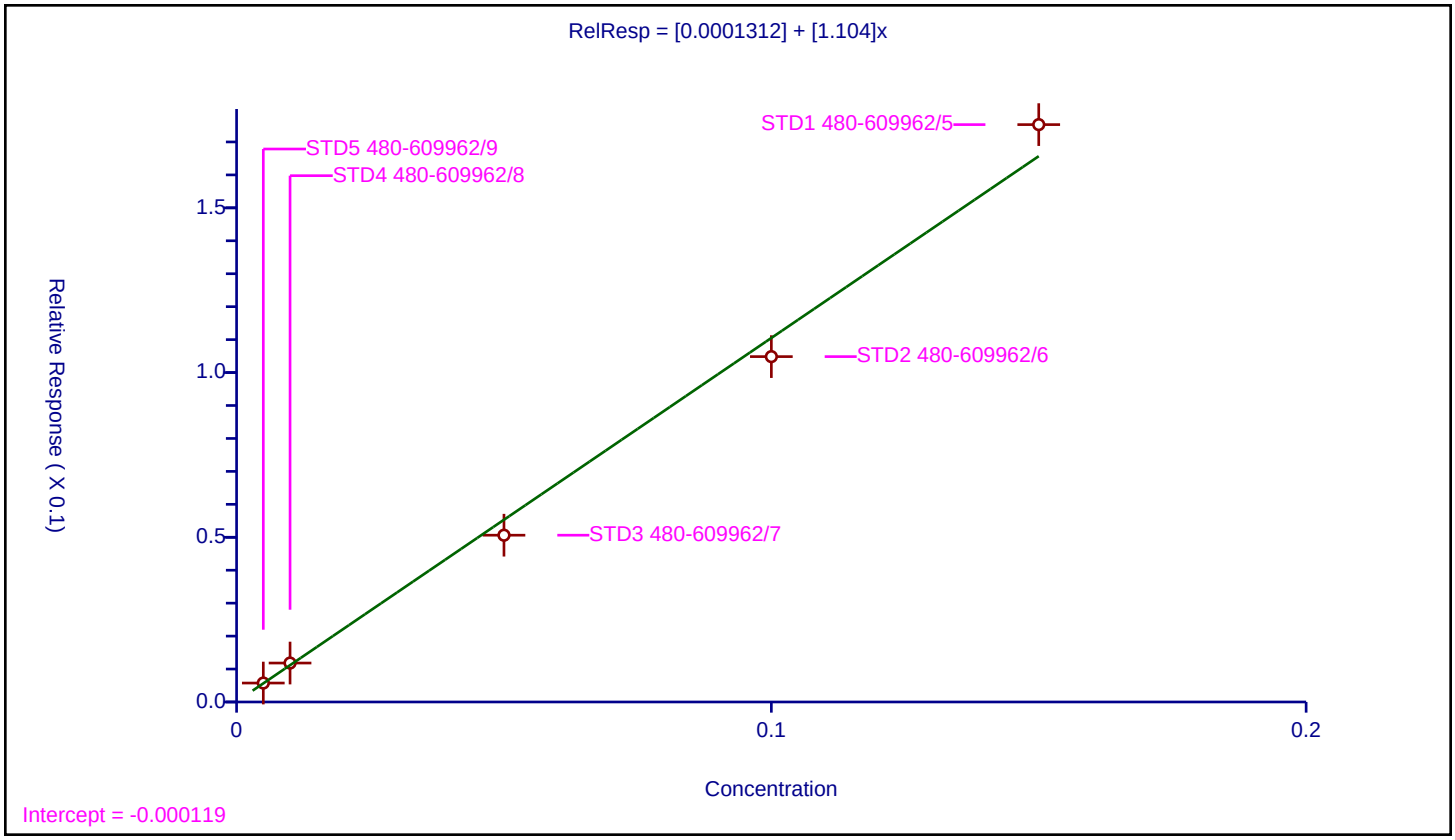
Curve Coefficients

Intercept:	0.0001312
Slope:	1.104

Error Coefficients

Standard Error:	7260000
Relative Standard Error:	7.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/9	0.005	0.005753	0.5	29387421.0	1.150526	Y
2	STD4 480-609962/8	0.01	0.011825	0.5	27448449.0	1.182546	Y
3	STD3 480-609962/7	0.05	0.050631	0.5	30078829.0	1.012613	Y
4	STD2 480-609962/6	0.1	0.104838	0.5	29722506.0	1.048382	Y
5	STD1 480-609962/5	0.15	0.175264	0.5	29835061.0	1.168429	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 11:25 Calibration End Date: 12/23/2021 12:43 Calibration ID: 42909

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/15	25_53-406.D
Level 2	STD4 480-609962/14	25_53-405.D
Level 3	STD3 480-609962/13	25_53-404.D
Level 4	STD2 480-609962/12	25_53-403.D
Level 5	STD1 480-609962/11	25_53-402.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	0.0462	0.0436	0.0430	0.0400	0.0407	Lin1	0.0003	0.0405							0.9990		0.9900
Chlordane (technical) Peak 2	0.0524	0.0492	0.0473	0.0431	0.0432	Lin1	0.0006	0.0433							0.9990		0.9900
Chlordane (technical) Peak 3	0.1874	0.1789	0.1797	0.1665	0.1682	Lin1	0.0012	0.1682							0.9990		0.9900
Chlordane (technical) Peak 4	0.3104	0.2966	0.3000	0.2741	0.2781	Lin1	0.0020	0.2782							0.9990		0.9900
Chlordane (technical) Peak 5	0.0500	0.0494	0.0517	0.0486	0.0500	Lin1	0	0.0498							0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 11:25 Calibration End Date: 12/23/2021 12:43 Calibration ID: 42909

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/15	25_53-406.D
Level 2	STD4 480-609962/14	25_53-405.D
Level 3	STD3 480-609962/13	25_53-404.D
Level 4	STD2 480-609962/12	25_53-403.D
Level 5	STD1 480-609962/11	25_53-402.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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	Lin1	348768	683203	3263968	6358427	9904542	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 2	BNB	Lin1	395495	771172	3590847	6850866	10505842	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 3	BNB	Lin1	1415486	2806383	13652931	26434077	40914924	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 4	BNB	Lin1	2344830	4650867	22785522	43532574	67663739	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 5	BNB	Lin1	378051	773996	3928515	7717184	12164206	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-402.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 11:25:26	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:26	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	81106530	0.5000	0.5000	
2	2.203	2.203	0.000	29875053	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							
1	3.500	3.500	0.000	9904542	1.50	1.50	
1	3.973	3.977	-0.004	10505842	1.50	1.48	
1	4.560	4.563	-0.003	40914924	1.50	1.49	
1	4.680	4.683	-0.003	67663739	1.50	1.49	
1	5.467	5.470	-0.003	12164206	1.50	1.51	
		Average of Peak Amounts =				1.49	
2	4.117	4.117	0.000	4254064	1.50	1.51	
2	4.767	4.767	0.000	4320823	1.50	1.51	
2	5.420	5.420	0.000	15634262	1.50	1.51	
2	5.517	5.517	0.000	18100269	1.50	1.51	
2	6.513	6.513	0.000	4874213	1.50	1.54	
		Average of Peak Amounts =				1.52	
						RPD = 1.49	

Reagents:

CHLOR_CAL1.5_00031 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:27 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-402.D

Injection Date: 23-Dec-2021 11:25:26 Instrument ID: HP6890-25 Operator ID: BufTCHROM

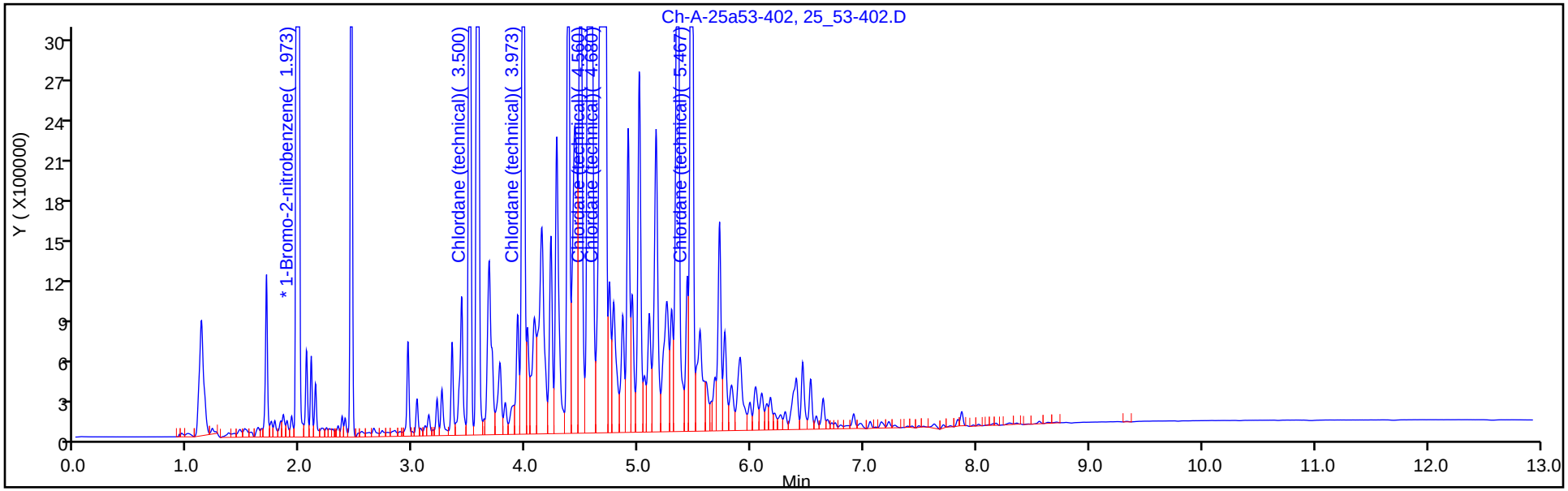
Lims ID: std1 Worklist Smp#: 11

Client ID:

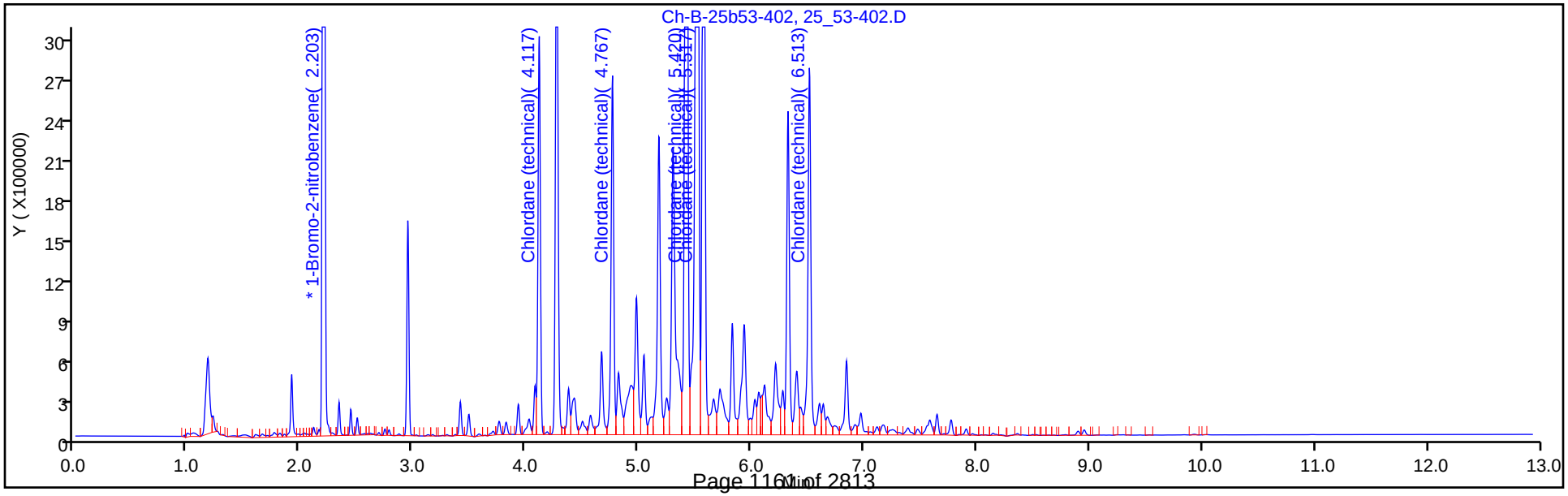
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-403.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 11:44:51	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:30	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.973	0.007	79401678	0.5000	0.5000	
2	2.203	2.203	0.000	29265030	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							
1	3.503	3.500	0.003	6358427	1.00	0.9802	
1	3.977	3.977	0.000	6850866	1.00	0.9842	
1	4.563	4.563	0.000	26434077	1.00	0.9824	
1	4.683	4.683	0.000	43532574	1.00	0.9781	
1	5.473	5.470	0.003	7717184	1.00	0.9760	
		Average of Peak Amounts =				0.9802	
2	4.117	4.117	0.000	2716617	1.00	0.9842	
2	4.767	4.767	0.000	2776789	1.00	0.9822	
2	5.420	5.420	0.000	9982017	1.00	0.9848	
2	5.517	5.517	0.000	11507217	1.00	0.9814	
2	6.513	6.513	0.000	2971437	1.00	0.9625	
		Average of Peak Amounts =				0.9790	
						RPD = 0.12	

Reagents:

CHLOR_CAL1.0_00028 Amount Added: 1.00 Units: mL

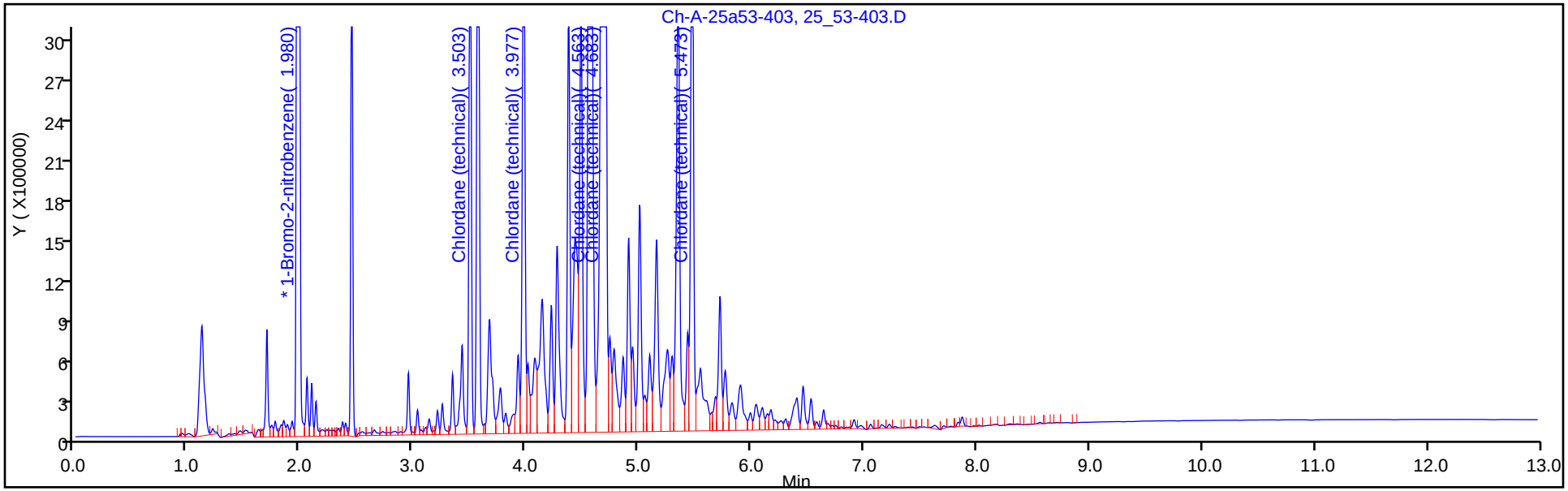
Report Date: 28-Dec-2021 10:13:30 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

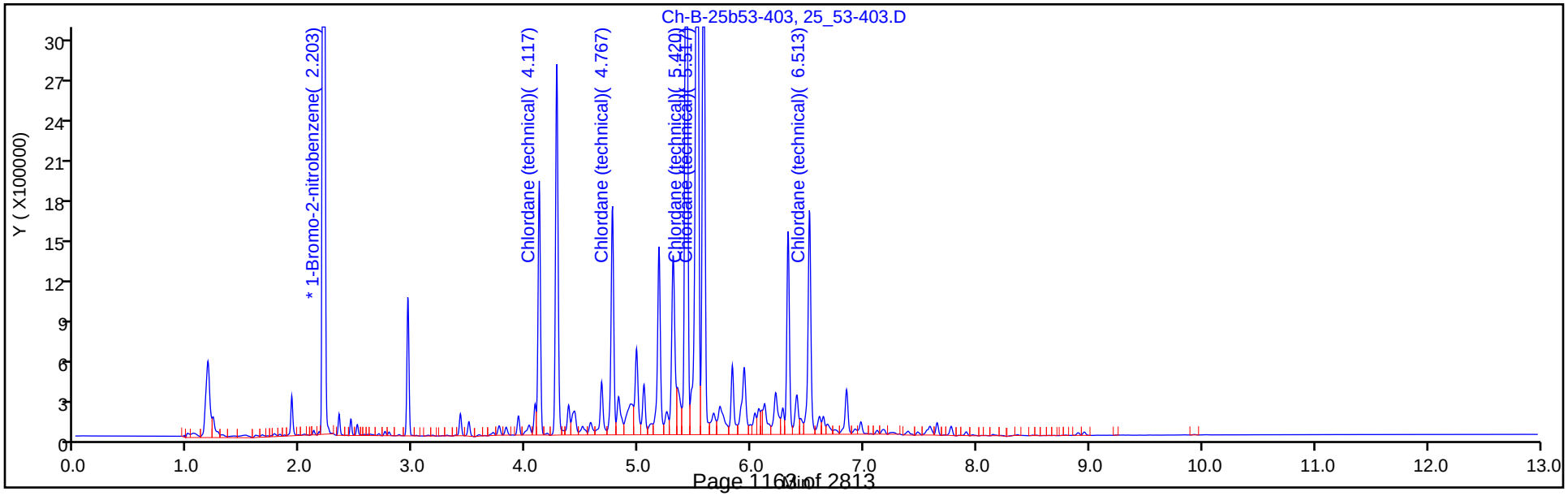
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-403.D

Injection Date:	23-Dec-2021 11:44:51	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-404.D				
Lims ID:	std3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Dec-2021 12:04:29	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:33	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 12:44:15		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	75959609	0.5000	0.5000	
2	2.203	2.203	0.000	28726740	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	3263968	0.5000	0.5223	
1	3.977	3.977	0.000	3590847	0.5000	0.5334	
1	4.563	4.563	0.000	13652931	0.5000	0.5272	
1	4.683	4.683	0.000	22785522	0.5000	0.5319	
1	5.470	5.470	0.000	3928515	0.5000	0.5191	
		Average of Peak Amounts =				0.5268	
2	4.117	4.117	0.000	1373472	0.5000	0.5051	M
2	4.767	4.767	0.000	1447947	0.5000	0.5143	M
2	5.420	5.420	0.000	5034015	0.5000	0.5057	M
2	5.517	5.517	0.000	5838126	0.5000	0.5068	M
2	6.513	6.513	0.000	1493304	0.5000	0.4944	M
		Average of Peak Amounts =				0.5052	
						RPD = 4.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

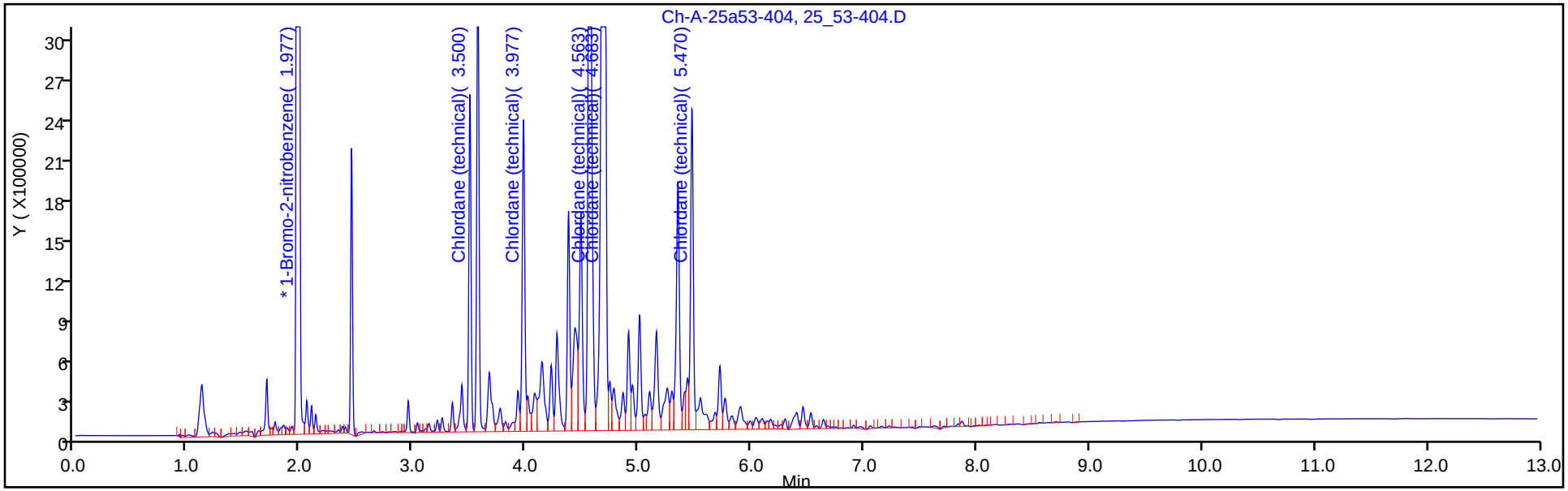
CHLOR_CCV0.5_00177 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:33 Chrom Revision: 2.3 15-Nov-2021 20:34:30

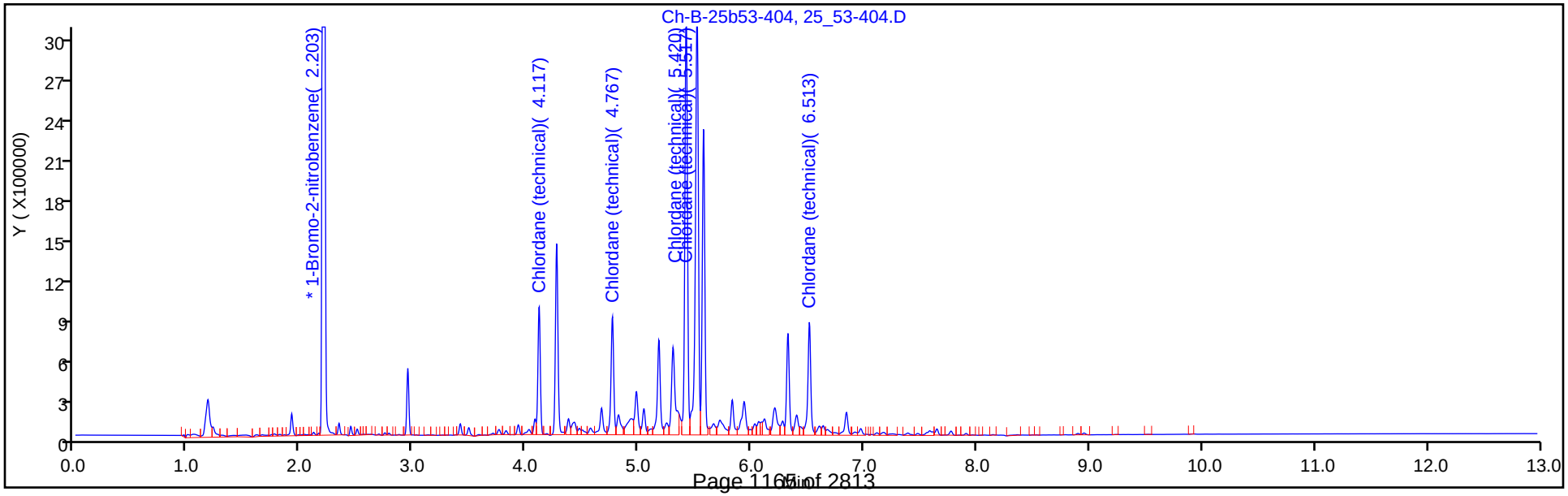
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-404.D				
Injection Date:	23-Dec-2021 12:04:29	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-405.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 12:24:03	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:36	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 13:19:59		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	78415463	0.5000	0.5000	
2	2.203	2.203	0.000	29410066	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.503	3.500	0.003	683203	0.1000	0.0996	
1	3.977	3.977	0.000	771172	0.1000	0.1008	
1	4.563	4.563	0.000	2806383	0.1000	0.0994	
1	4.683	4.683	0.000	4650867	0.1000	0.0993	
1	5.473	5.470	0.003	773996	0.1000	0.0986	
		Average of Peak Amounts =				0.0995	
2	4.117	4.117	0.000	282324	0.1000	0.0984	
2	4.767	4.767	0.000	316902	0.1000	0.0973	M
2	5.420	5.420	0.000	995295	0.1000	0.0972	M
2	5.517	5.517	0.000	1173246	0.1000	0.0987	M
2	6.513	6.513	0.000	286232	0.1000	0.0952	M
		Average of Peak Amounts =				0.0974	
						RPD = 2.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

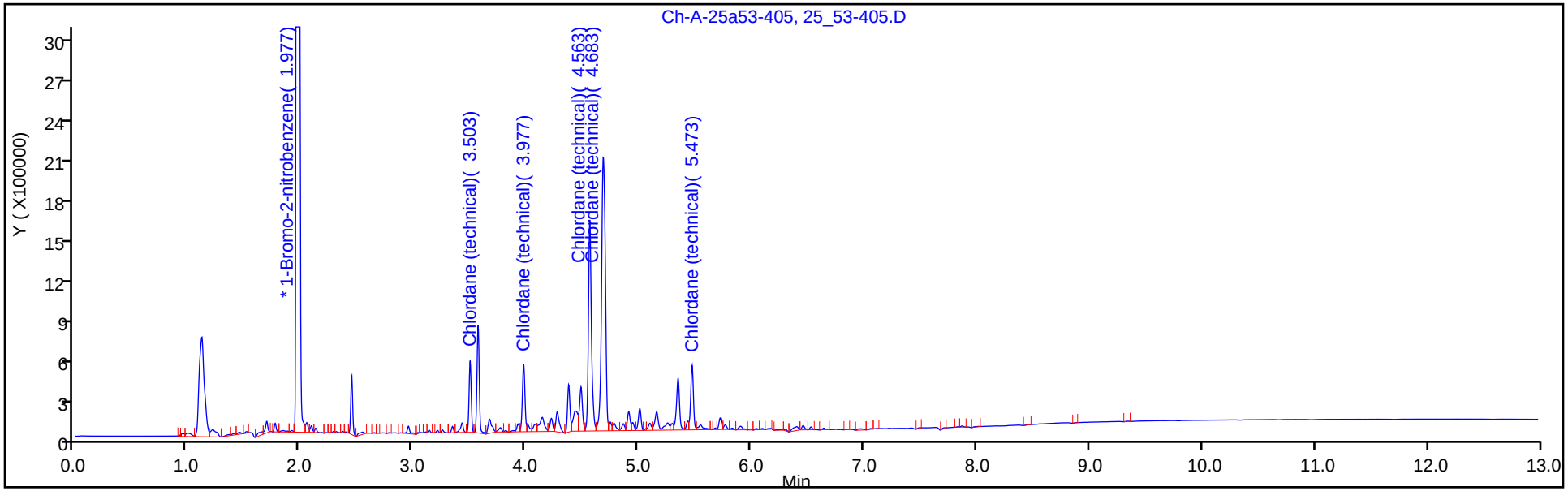
CHLOR_CAL0.1_00027 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:37 Chrom Revision: 2.3 15-Nov-2021 20:34:30

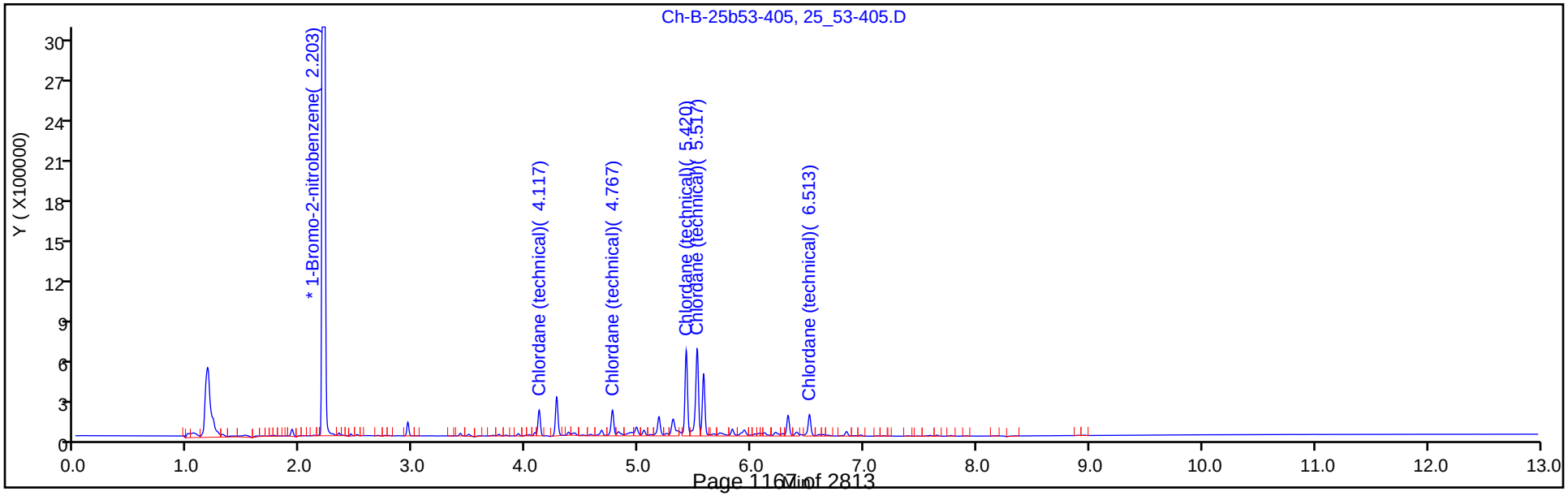
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-405.D				
Injection Date:	23-Dec-2021 12:24:03	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-406.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 12:43:46	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:40	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 13:20:21		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.977	-0.004	75541943	0.5000	0.5000	
2	2.200	2.203	-0.003	28258905	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	348768	0.0500	0.0490	
1	3.977	3.977	0.000	395495	0.0500	0.0476	
1	4.563	4.563	0.000	1415486	0.0500	0.0487	
1	4.683	4.683	0.000	2344830	0.0500	0.0485	
1	5.470	5.470	0.000	378051	0.0500	0.0497	
		Average of Peak Amounts =				0.0487	
2	4.113	4.117	-0.004	144745	0.0500	0.0507	
2	4.763	4.767	-0.004	178943	0.0500	0.0506	M
2	5.417	5.420	-0.003	506646	0.0500	0.0512	M
2	5.517	5.517	0.000	581651	0.0500	0.0505	M
2	6.513	6.513	0.000	149738	0.0500	0.0533	M
		Average of Peak Amounts =				0.0513	
						RPD = 5.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

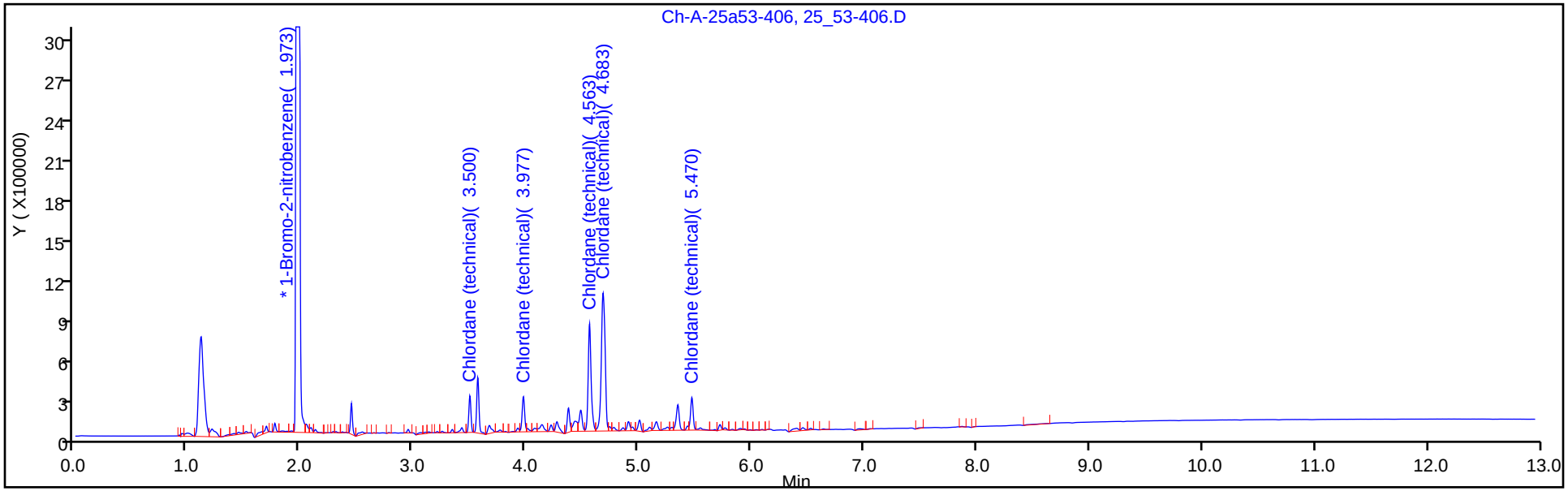
CHLOR_CAL0.05_00028 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:40 Chrom Revision: 2.3 15-Nov-2021 20:34:30

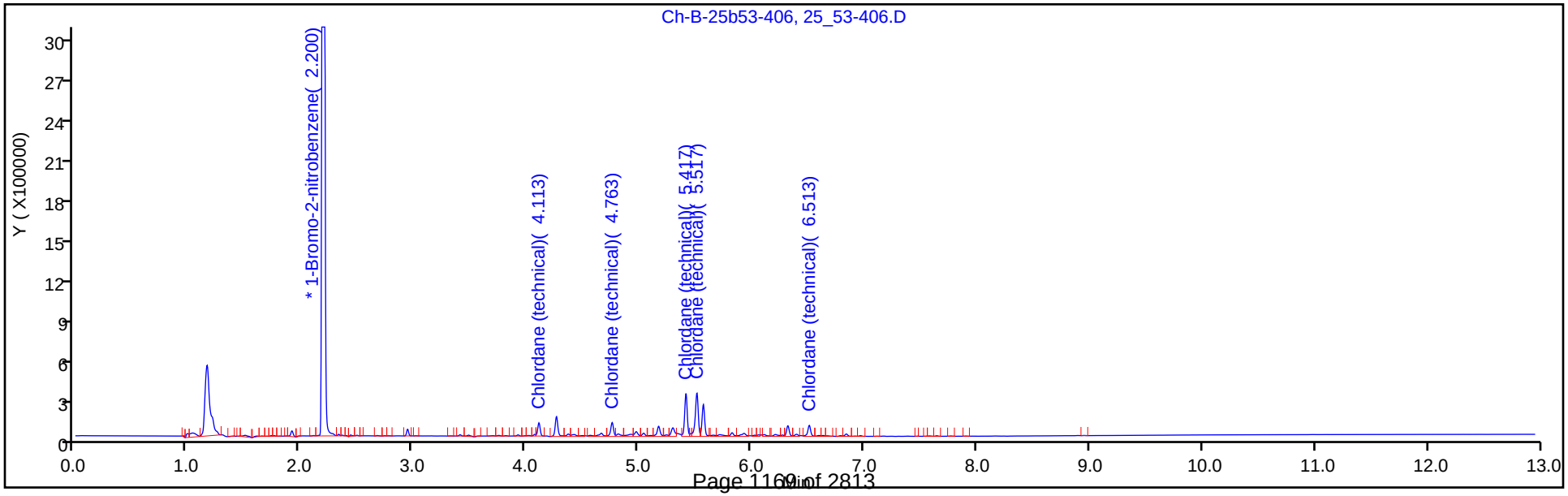
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-406.D				
Injection Date:	23-Dec-2021 12:43:46	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / Chlordane (technical) Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

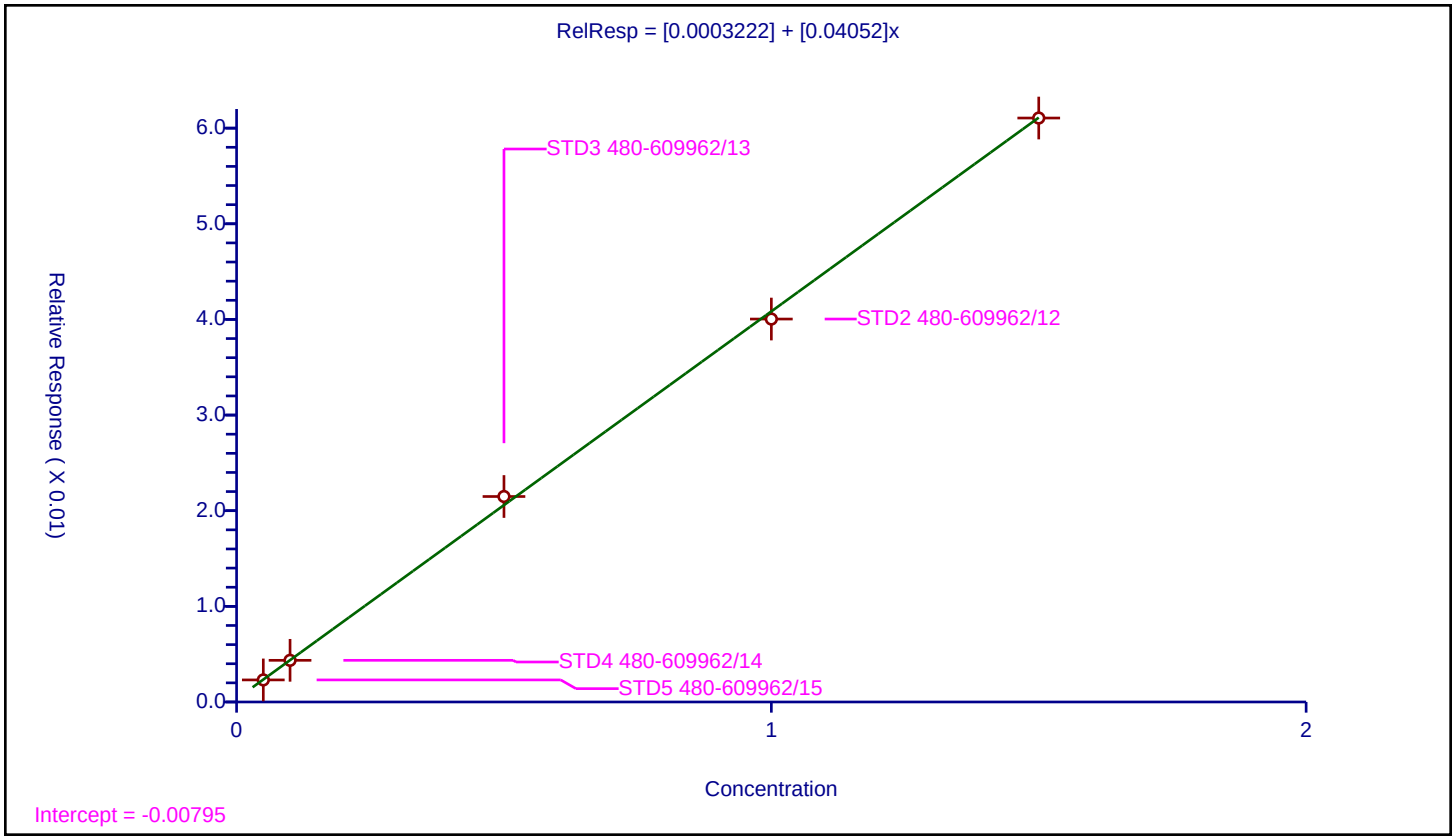
Curve Coefficients

Intercept:	0.0003222
Slope:	0.04052

Error Coefficients

Standard Error:	7070000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.002308	0.5	75541943.0	0.046169	Y
2	STD4 480-609962/14	0.1	0.004356	0.5	78415463.0	0.043563	Y
3	STD3 480-609962/13	0.5	0.021485	0.5	75959609.0	0.04297	Y
4	STD2 480-609962/12	1.0	0.04004	0.5	79401678.0	0.04004	Y
5	STD1 480-609962/11	1.5	0.061059	0.5	81106530.0	0.040706	Y



Calibration / Chlordane (technical) Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

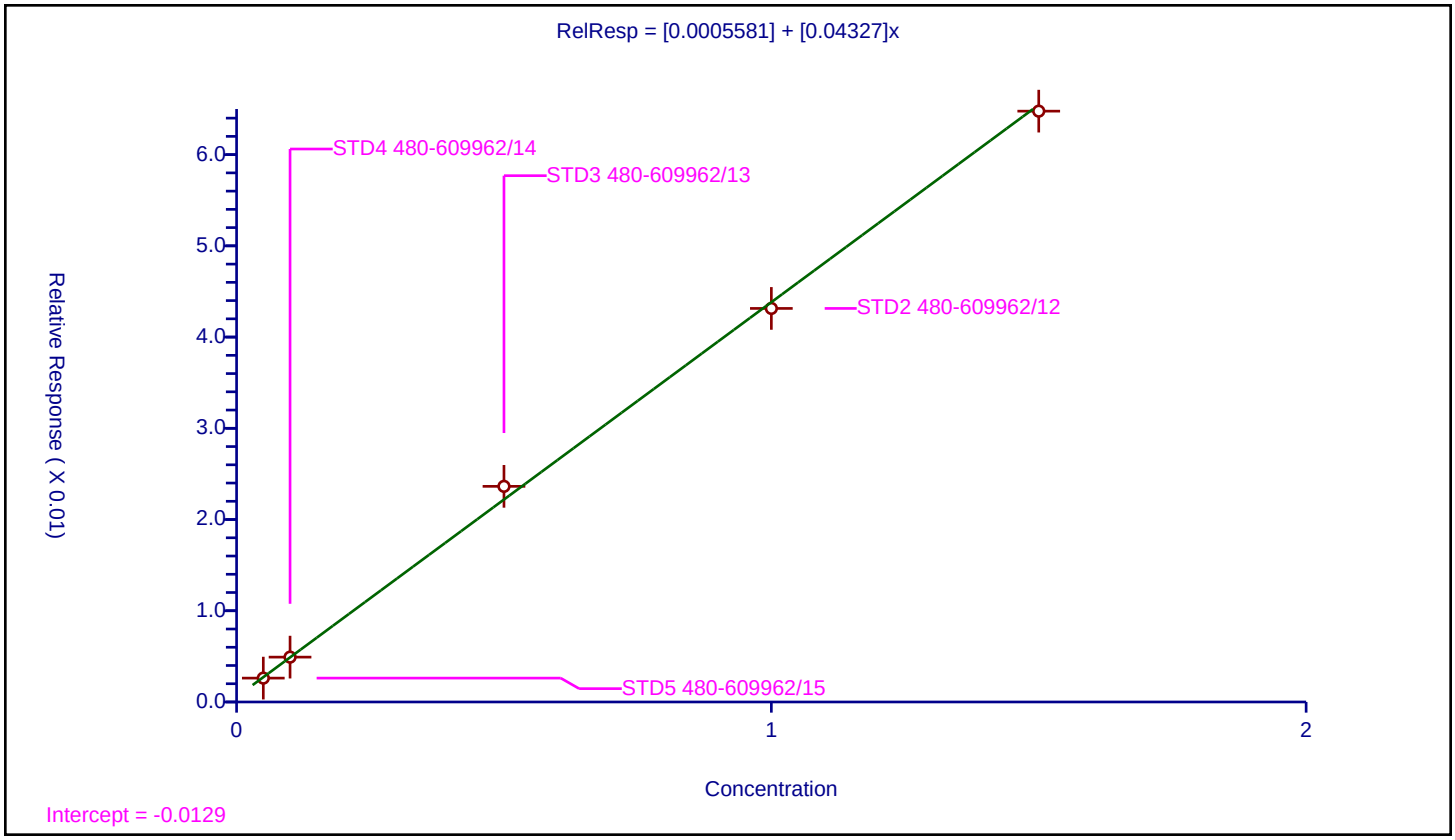
Curve Coefficients

Intercept:	0.0005581
Slope:	0.04327

Error Coefficients

Standard Error:	7550000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.002618	0.5	75541943.0	0.052354	Y
2	STD4 480-609962/14	0.1	0.004917	0.5	78415463.0	0.049172	Y
3	STD3 480-609962/13	0.5	0.023637	0.5	75959609.0	0.047273	Y
4	STD2 480-609962/12	1.0	0.043141	0.5	79401678.0	0.043141	Y
5	STD1 480-609962/11	1.5	0.064766	0.5	81106530.0	0.043177	Y



Calibration / Chlordane (technical) Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

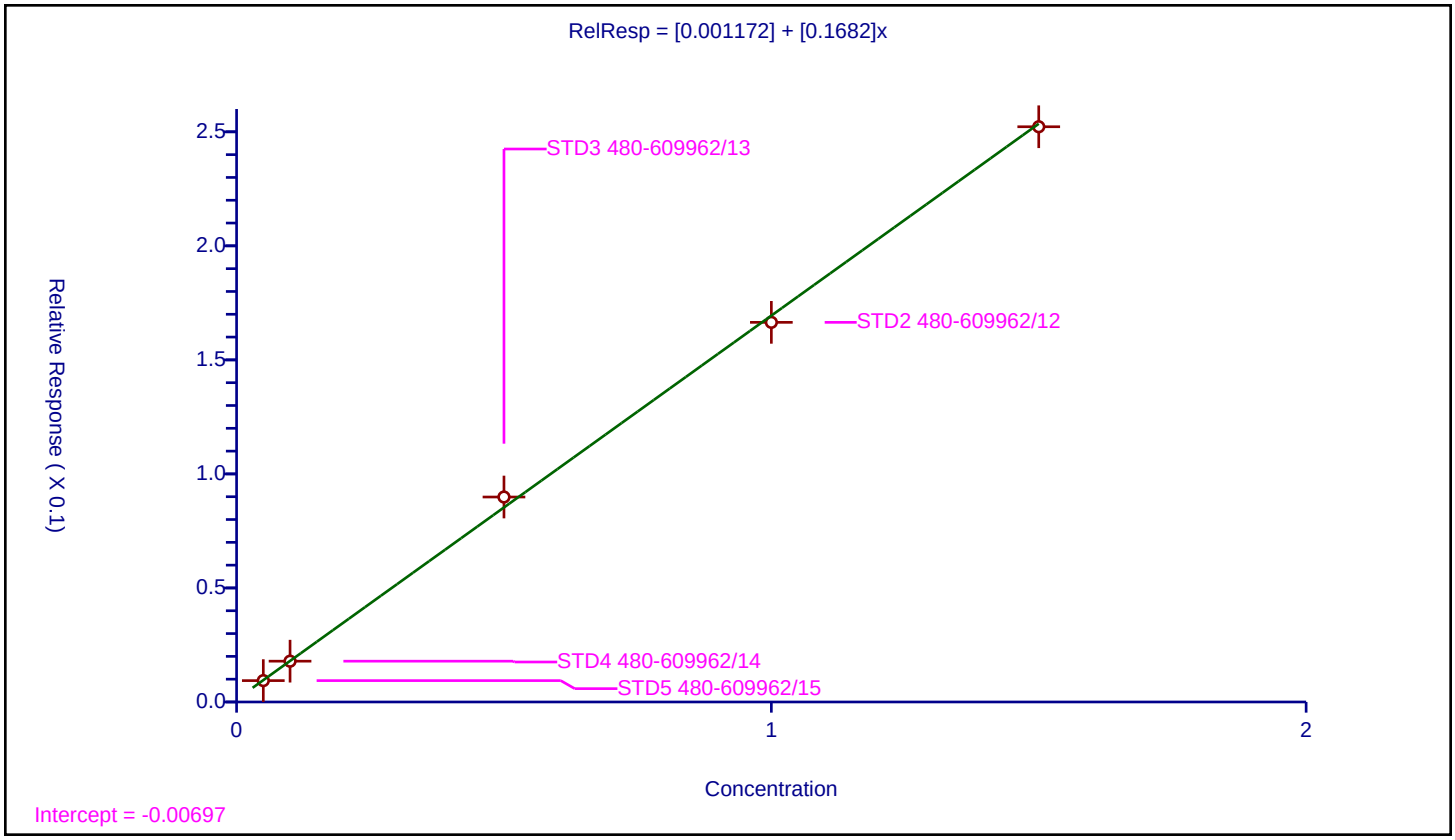
Curve Coefficients

Intercept:	0.001172
Slope:	0.1682

Error Coefficients

Standard Error:	29300000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.009369	0.5	75541943.0	0.187377	Y
2	STD4 480-609962/14	0.1	0.017894	0.5	78415463.0	0.178943	Y
3	STD3 480-609962/13	0.5	0.08987	0.5	75959609.0	0.179739	Y
4	STD2 480-609962/12	1.0	0.166458	0.5	79401678.0	0.166458	Y
5	STD1 480-609962/11	1.5	0.25223	0.5	81106530.0	0.168153	Y



Calibration / Chlordane (technical) Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

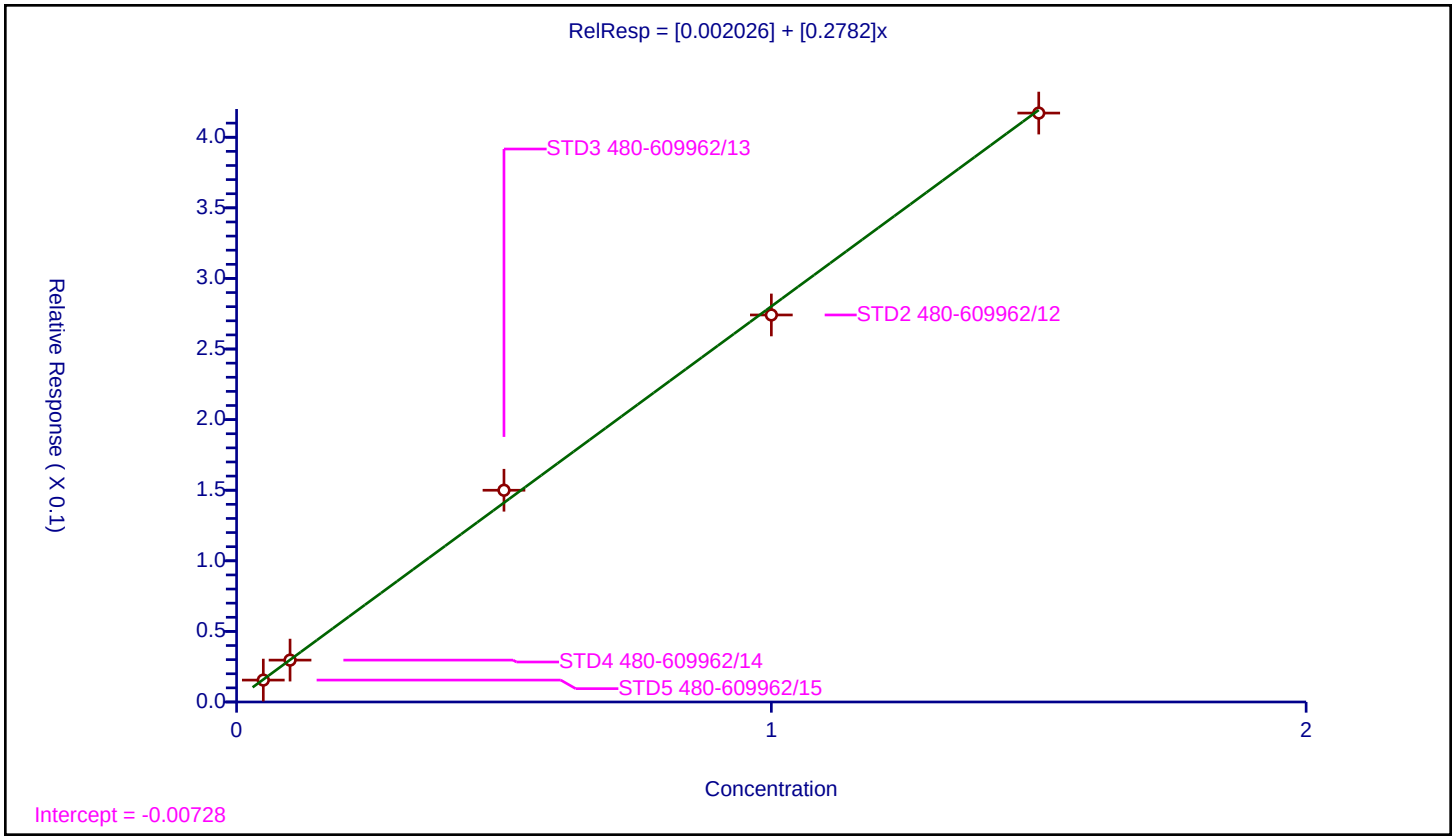
Curve Coefficients

Intercept:	0.002026
Slope:	0.2782

Error Coefficients

Standard Error:	48400000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.01552	0.5	75541943.0	0.310401	Y
2	STD4 480-609962/14	0.1	0.029655	0.5	78415463.0	0.296553	Y
3	STD3 480-609962/13	0.5	0.149984	0.5	75959609.0	0.299969	Y
4	STD2 480-609962/12	1.0	0.274129	0.5	79401678.0	0.274129	Y
5	STD1 480-609962/11	1.5	0.417129	0.5	81106530.0	0.278086	Y



Calibration / Chlordane (technical) Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

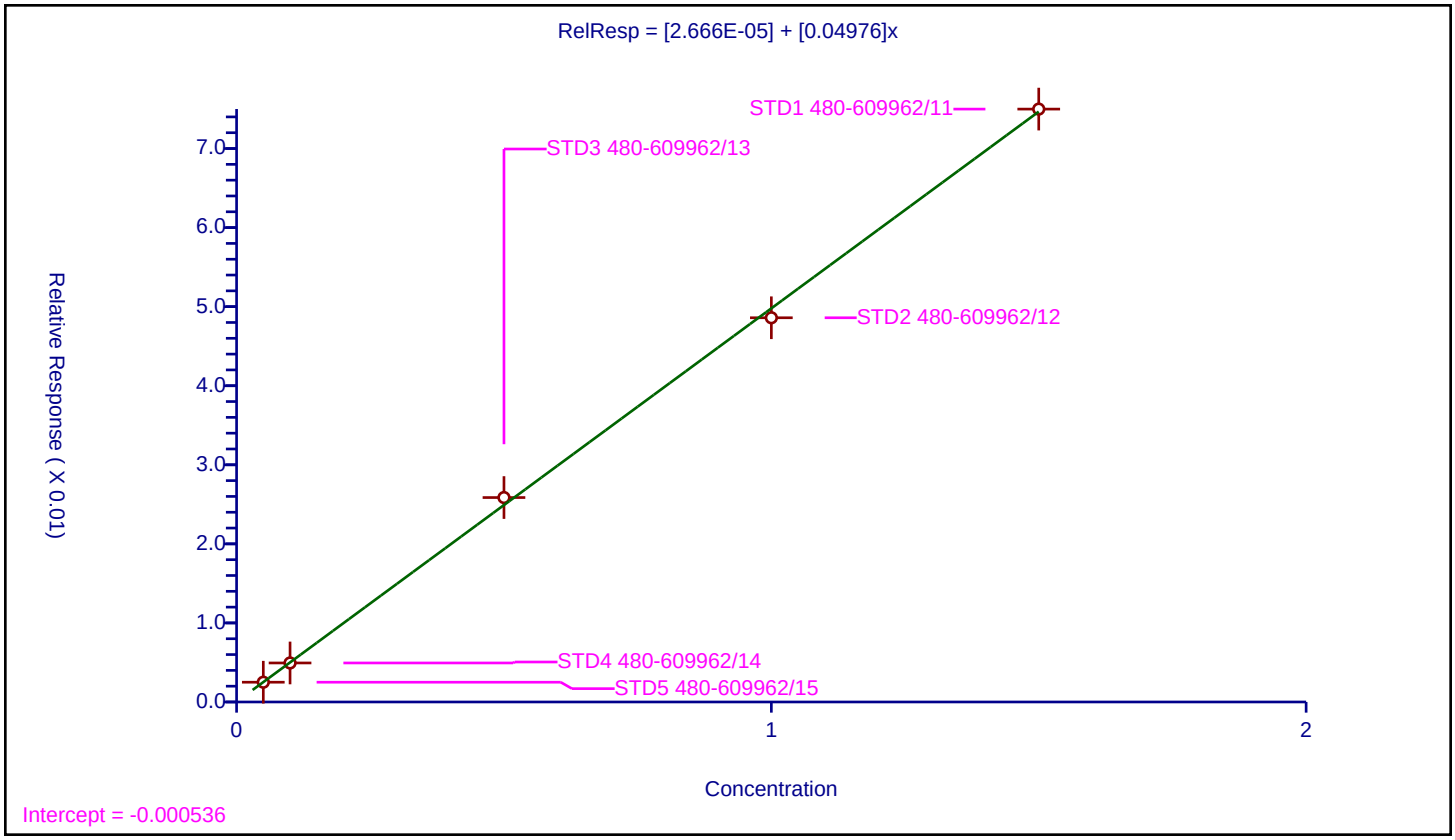
Curve Coefficients

Intercept:	2.666E-05
Slope:	0.04976

Error Coefficients

Standard Error:	8640000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.002502	0.5	75541943.0	0.050045	Y
2	STD4 480-609962/14	0.1	0.004935	0.5	78415463.0	0.049352	Y
3	STD3 480-609962/13	0.5	0.025859	0.5	75959609.0	0.051718	Y
4	STD2 480-609962/12	1.0	0.048596	0.5	79401678.0	0.048596	Y
5	STD1 480-609962/11	1.5	0.074989	0.5	81106530.0	0.049993	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 11:25 Calibration End Date: 12/23/2021 12:43 Calibration ID: 42910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/15	25_53-406.D
Level 2	STD4 480-609962/14	25_53-405.D
Level 3	STD3 480-609962/13	25_53-404.D
Level 4	STD2 480-609962/12	25_53-403.D
Level 5	STD1 480-609962/11	25_53-402.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	0.0512	0.0480	0.0478	0.0464	0.0475	Lin1	0.0002	0.0470							1.0000		0.9900
Chlordane (technical) Peak 2	0.0633	0.0539	0.0504	0.0474	0.0482	Lin1	0.0008	0.0475							1.0000		0.9900
Chlordane (technical) Peak 3	0.1793	0.1692	0.1752	0.1705	0.1744	Lin1	0.0001	0.1731							1.0000		0.9900
Chlordane (technical) Peak 4	0.2058	0.1995	0.2032	0.1966	0.2020	Lin1	0.0002	0.2001							1.0000		0.9900
Chlordane (technical) Peak 5	0.0530	0.0487	0.0520	0.0508	0.0544	Lin1	0	0.0529							0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 11:25 Calibration End Date: 12/23/2021 12:43 Calibration ID: 42910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/15	25_53-406.D
Level 2	STD4 480-609962/14	25_53-405.D
Level 3	STD3 480-609962/13	25_53-404.D
Level 4	STD2 480-609962/12	25_53-403.D
Level 5	STD1 480-609962/11	25_53-402.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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	Lin1	144745	282324	1373472	2716617	4254064	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 2	BNB	Lin1	178943	316902	1447947	2776789	4320823	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 3	BNB	Lin1	506646	995295	5034015	9982017	15634262	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 4	BNB	Lin1	581651	1173246	5838126	11507217	18100269	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 5	BNB	Lin1	149738	286232	1493304	2971437	4874213	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-402.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 11:25:26	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:26	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.973	0.000	81106530	0.5000	0.5000	
2	2.203	2.203	0.000	29875053	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							
1	3.500	3.500	0.000	9904542	1.50	1.50	
1	3.973	3.977	-0.004	10505842	1.50	1.48	
1	4.560	4.563	-0.003	40914924	1.50	1.49	
1	4.680	4.683	-0.003	67663739	1.50	1.49	
1	5.467	5.470	-0.003	12164206	1.50	1.51	
		Average of Peak Amounts =				1.49	
2	4.117	4.117	0.000	4254064	1.50	1.51	
2	4.767	4.767	0.000	4320823	1.50	1.51	
2	5.420	5.420	0.000	15634262	1.50	1.51	
2	5.517	5.517	0.000	18100269	1.50	1.51	
2	6.513	6.513	0.000	4874213	1.50	1.54	
		Average of Peak Amounts =				1.52	
						RPD = 1.49	

Reagents:

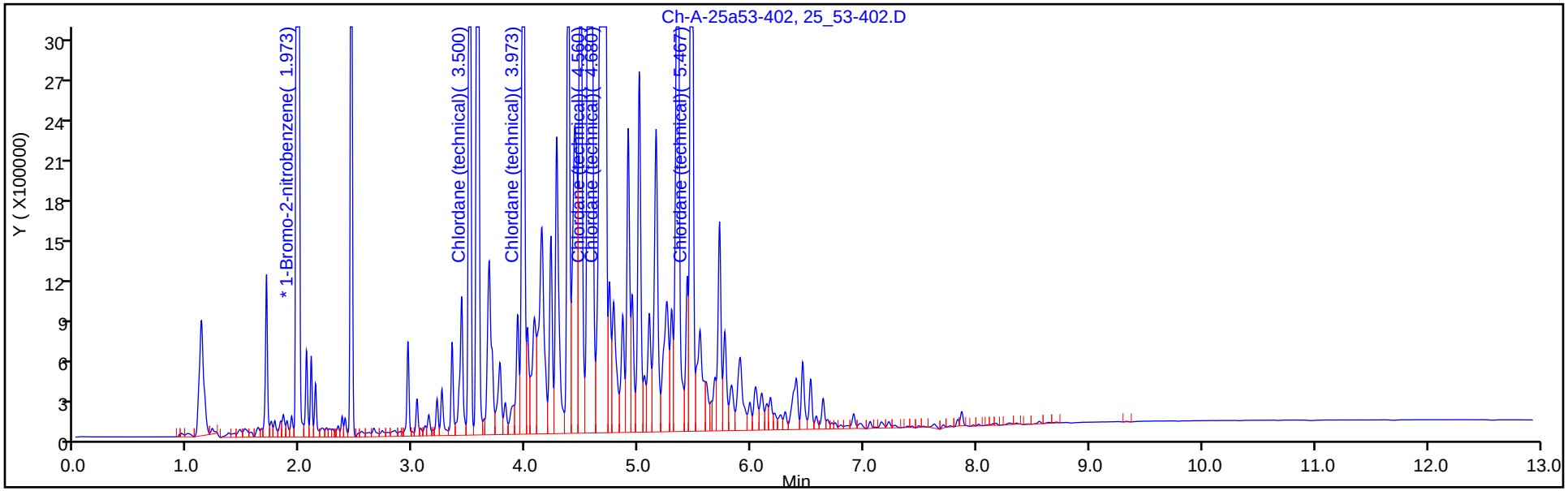
CHLOR_CAL1.5_00031 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:27 Chrom Revision: 2.3 15-Nov-2021 20:34:30

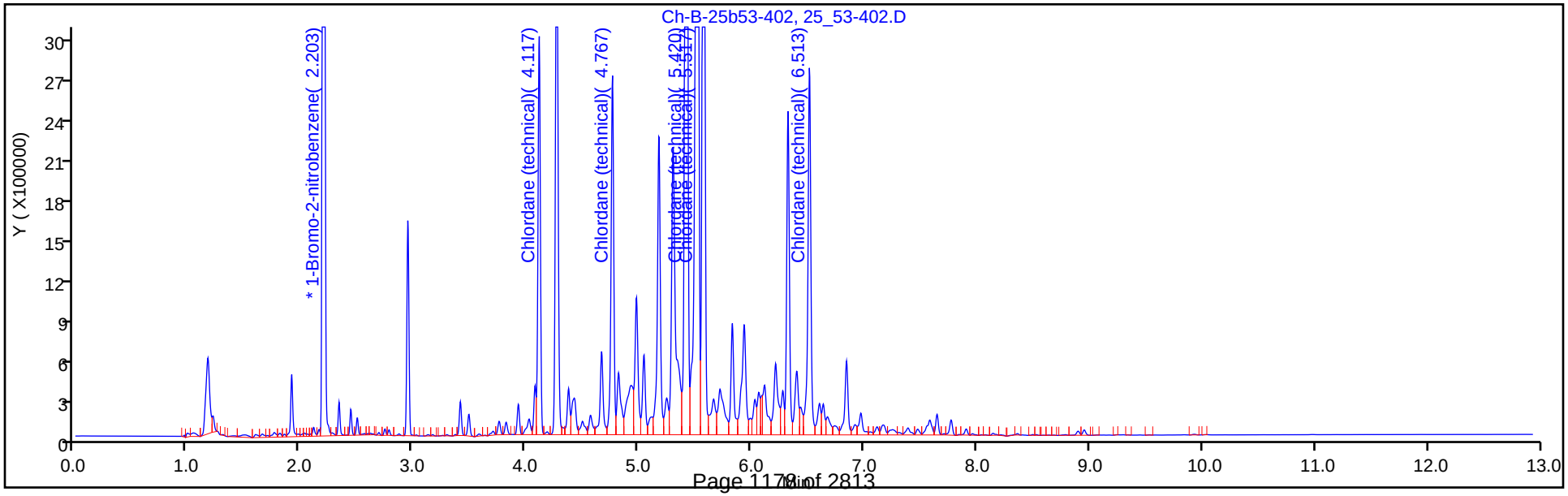
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-402.D				
Injection Date:	23-Dec-2021 11:25:26	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-403.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 11:44:51	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:30	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.973	0.007	79401678	0.5000	0.5000	
2	2.203	2.203	0.000	29265030	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							
1	3.503	3.500	0.003	6358427	1.00	0.9802	
1	3.977	3.977	0.000	6850866	1.00	0.9842	
1	4.563	4.563	0.000	26434077	1.00	0.9824	
1	4.683	4.683	0.000	43532574	1.00	0.9781	
1	5.473	5.470	0.003	7717184	1.00	0.9760	
		Average of Peak Amounts =				0.9802	
2	4.117	4.117	0.000	2716617	1.00	0.9842	
2	4.767	4.767	0.000	2776789	1.00	0.9822	
2	5.420	5.420	0.000	9982017	1.00	0.9848	
2	5.517	5.517	0.000	11507217	1.00	0.9814	
2	6.513	6.513	0.000	2971437	1.00	0.9625	
		Average of Peak Amounts =				0.9790	
						RPD = 0.12	

Reagents:

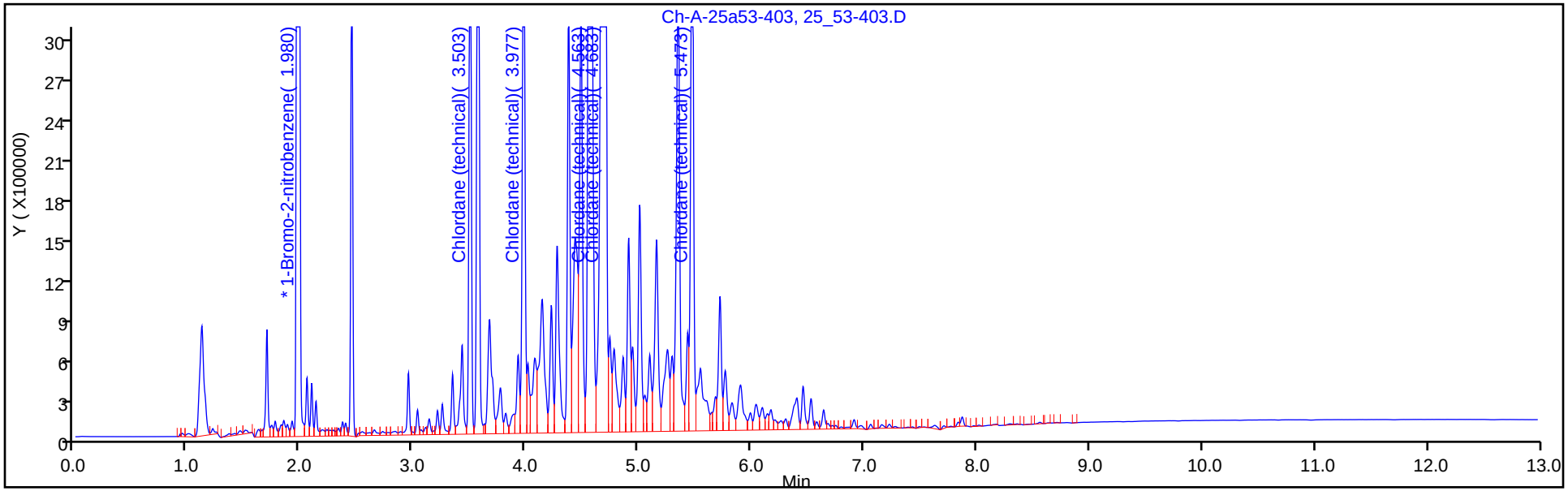
CHLOR_CAL1.0_00028 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:30 Chrom Revision: 2.3 15-Nov-2021 20:34:30

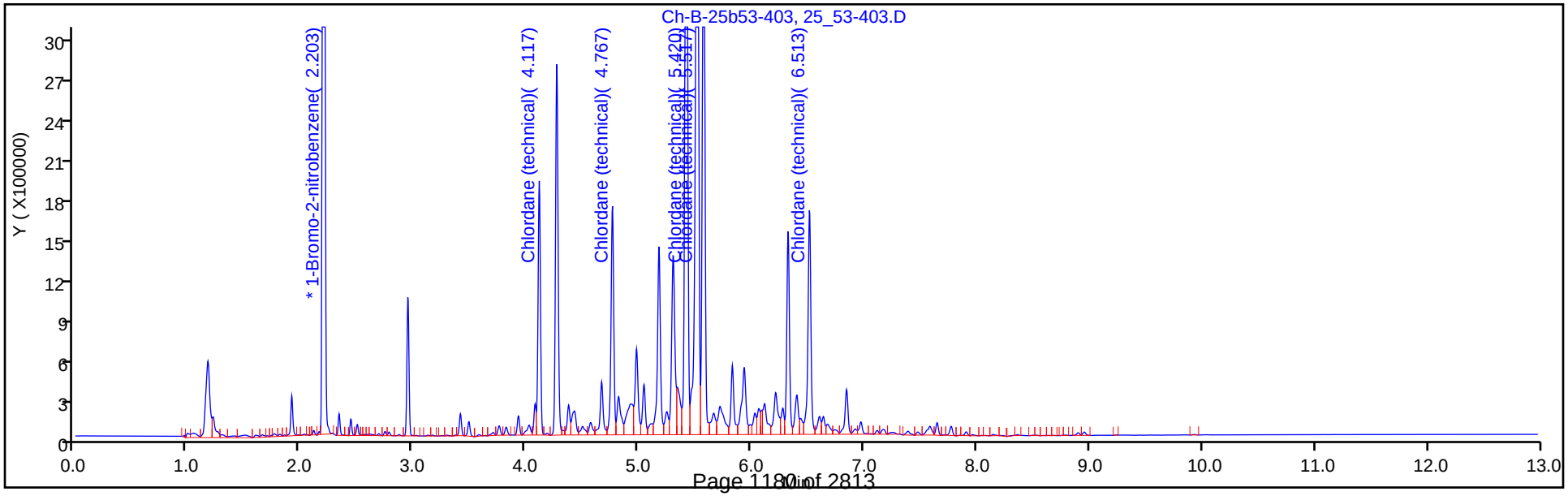
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-403.D				
Injection Date:	23-Dec-2021 11:44:51	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-404.D				
Lims ID:	std3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Dec-2021 12:04:29	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:33	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 12:44:15		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	75959609	0.5000	0.5000	
2	2.203	2.203	0.000	28726740	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	3263968	0.5000	0.5223	
1	3.977	3.977	0.000	3590847	0.5000	0.5334	
1	4.563	4.563	0.000	13652931	0.5000	0.5272	
1	4.683	4.683	0.000	22785522	0.5000	0.5319	
1	5.470	5.470	0.000	3928515	0.5000	0.5191	
		Average of Peak Amounts =				0.5268	
2	4.117	4.117	0.000	1373472	0.5000	0.5051	M
2	4.767	4.767	0.000	1447947	0.5000	0.5143	M
2	5.420	5.420	0.000	5034015	0.5000	0.5057	M
2	5.517	5.517	0.000	5838126	0.5000	0.5068	M
2	6.513	6.513	0.000	1493304	0.5000	0.4944	M
		Average of Peak Amounts =				0.5052	
						RPD = 4.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

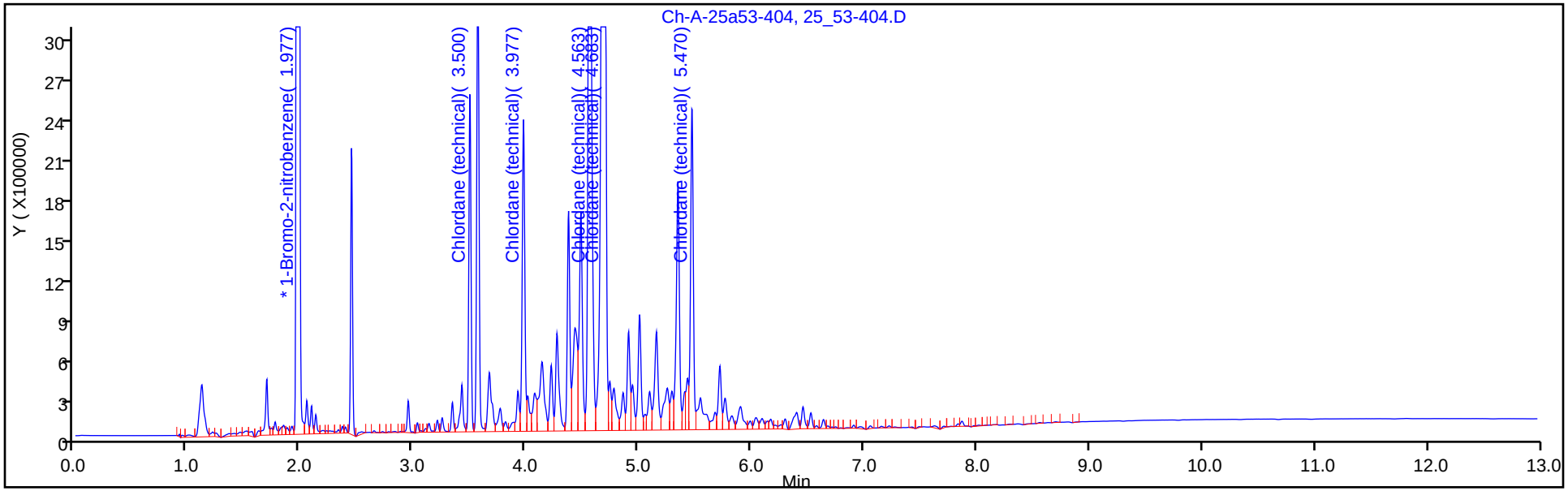
CHLOR_CCV0.5_00177 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:34 Chrom Revision: 2.3 15-Nov-2021 20:34:30

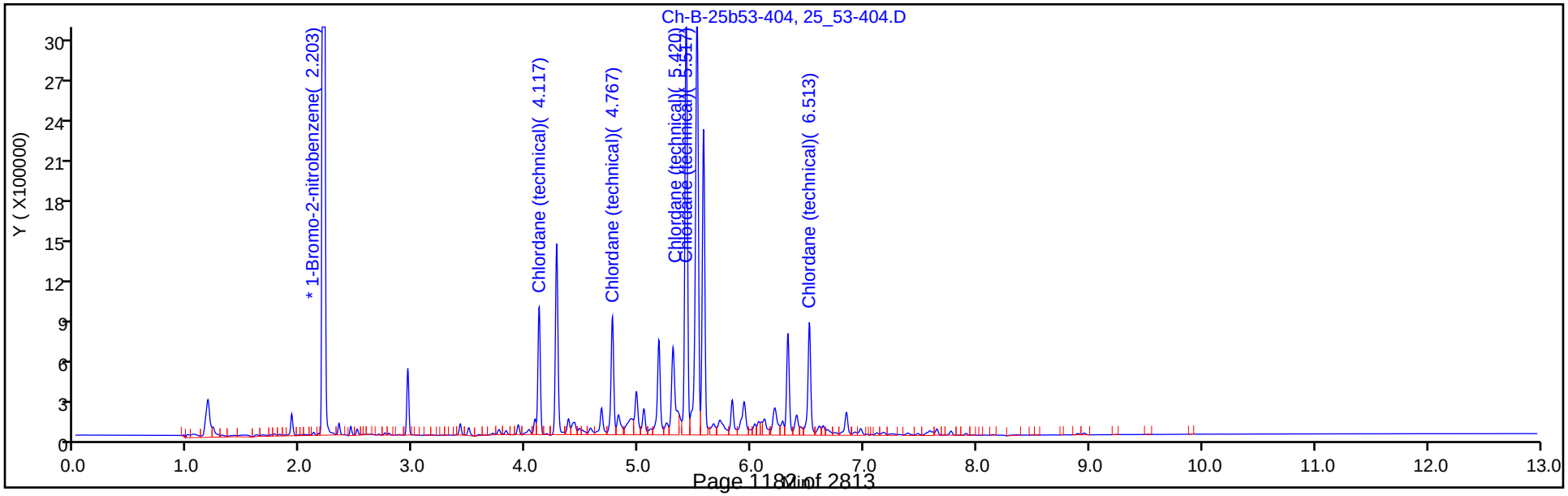
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-404.D				
Injection Date:	23-Dec-2021 12:04:29	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

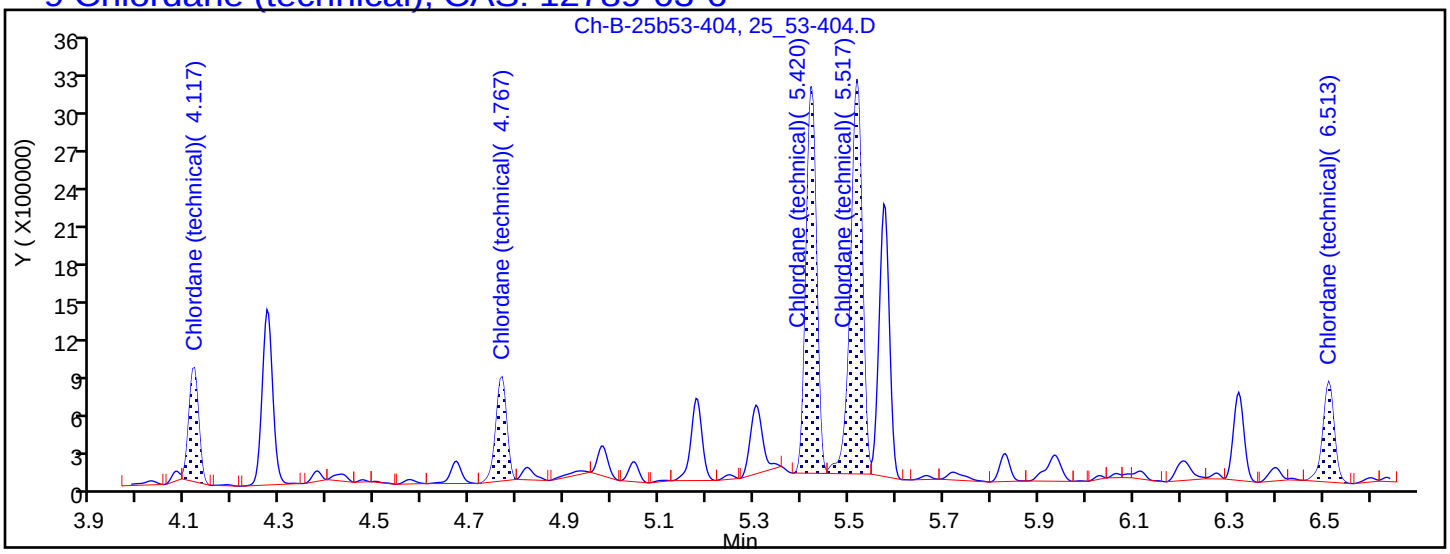


Report Date: 28-Dec-2021 10:13:34 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

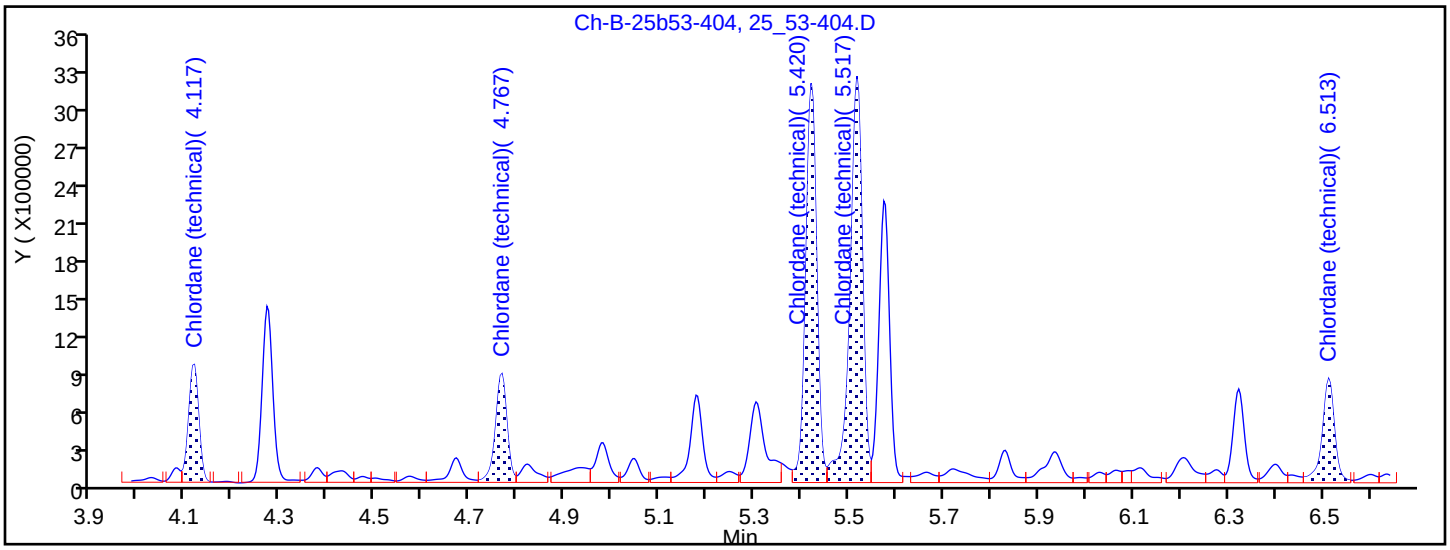
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-404.D				
Injection Date:	23-Dec-2021 12:04:29	Instrument ID:	HP6890-25		
Lims ID:	std3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

4.117	Response = 1276731
4.767	Response = 1290049
5.420	Response = 4602414
5.517	Response = 5311953
6.513	Response = 1302210



Manual Integration Results

4.117	Response = 1373472	M
4.767	Response = 1447947	M
5.420	Response = 5034015	M
5.517	Response = 5838126	M
6.513	Response = 1493304	M

Reviewer: NearyM, 23-Dec-2021 12:44:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-405.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 12:24:03	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:36	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 23-Dec-2021 13:19:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	78415463	0.5000	0.5000	
2	2.203	2.203	0.000	29410066	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.503	3.500	0.003	683203	0.1000	0.0996	
1	3.977	3.977	0.000	771172	0.1000	0.1008	
1	4.563	4.563	0.000	2806383	0.1000	0.0994	
1	4.683	4.683	0.000	4650867	0.1000	0.0993	
1	5.473	5.470	0.003	773996	0.1000	0.0986	
		Average of Peak Amounts =				0.0995	
2	4.117	4.117	0.000	282324	0.1000	0.0984	
2	4.767	4.767	0.000	316902	0.1000	0.0973	M
2	5.420	5.420	0.000	995295	0.1000	0.0972	M
2	5.517	5.517	0.000	1173246	0.1000	0.0987	M
2	6.513	6.513	0.000	286232	0.1000	0.0952	M
		Average of Peak Amounts =				0.0974	
						RPD = 2.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

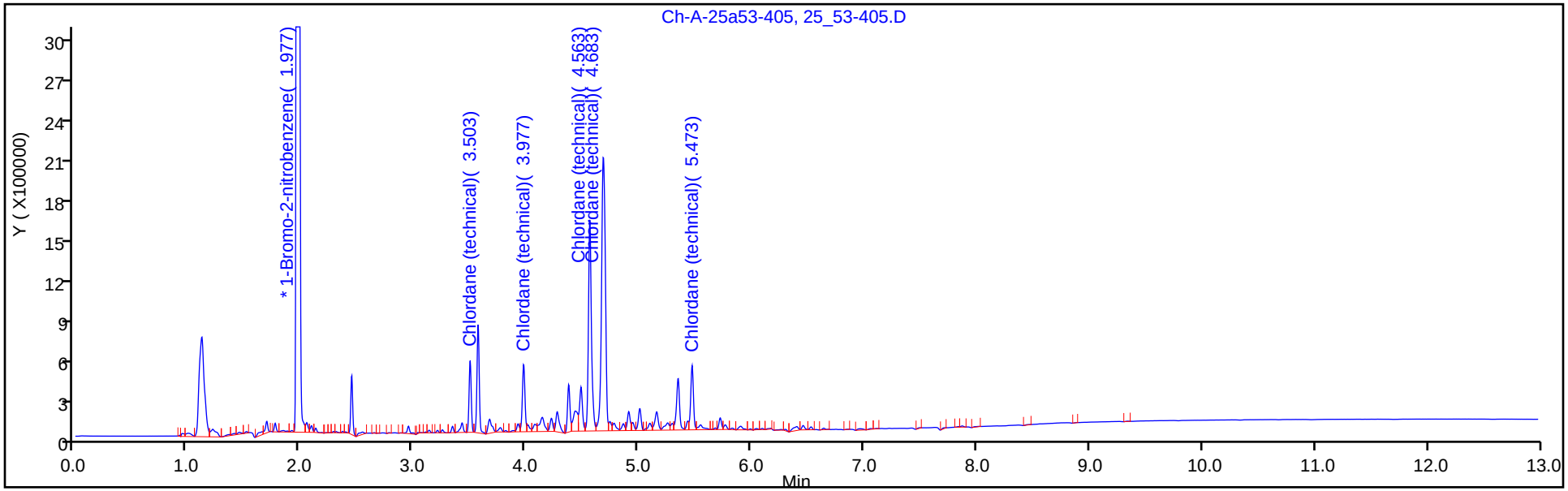
CHLOR_CAL0.1_00027 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:37 Chrom Revision: 2.3 15-Nov-2021 20:34:30

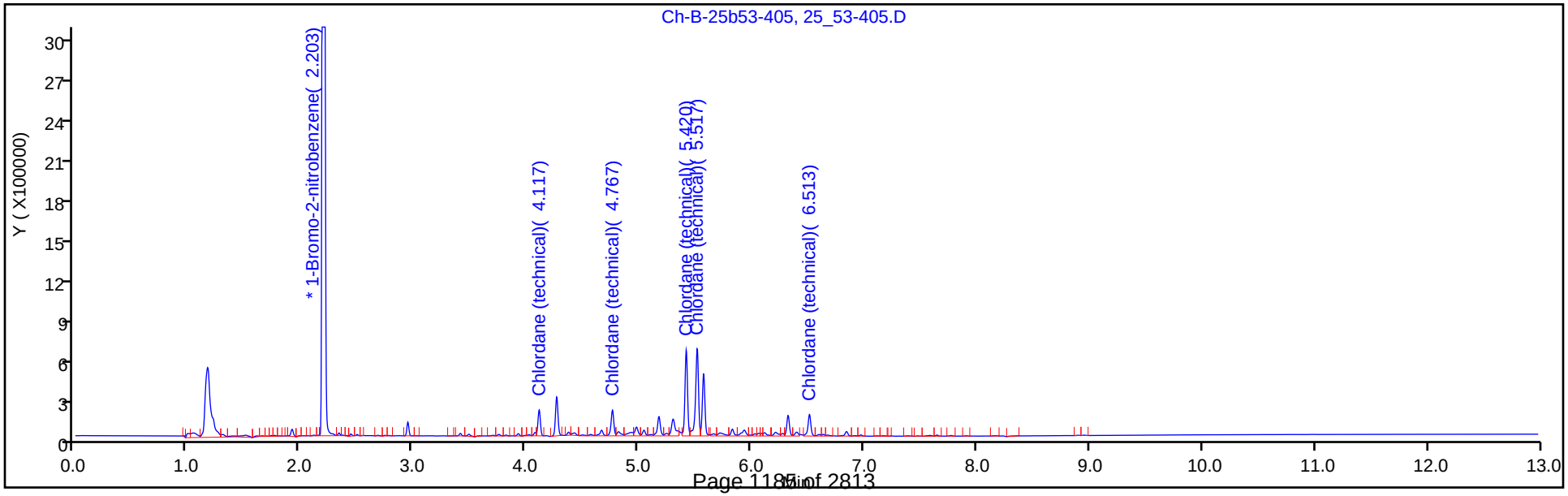
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-405.D				
Injection Date:	23-Dec-2021 12:24:03	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

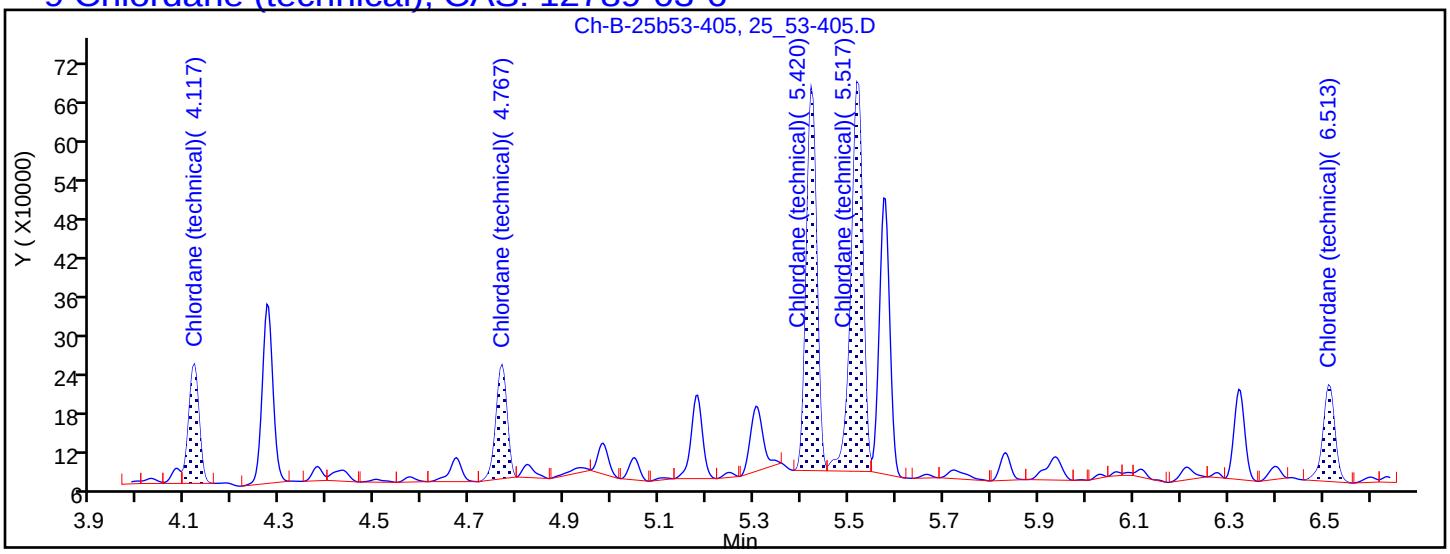


Report Date: 28-Dec-2021 10:13:37 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

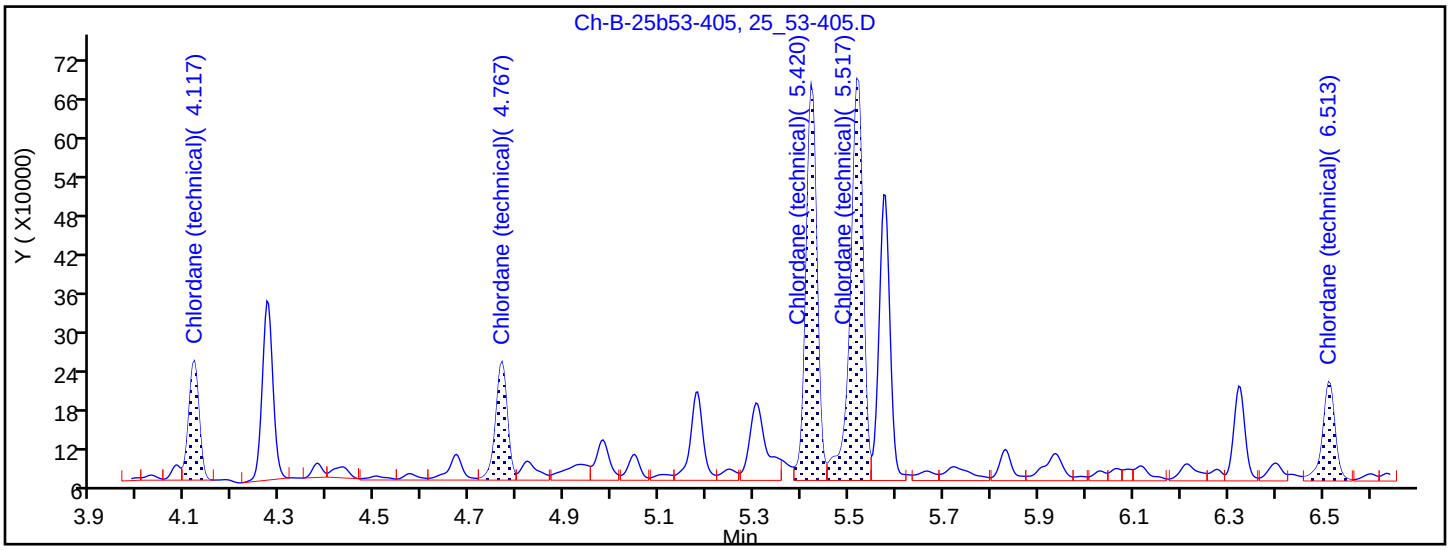
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-405.D				
Injection Date:	23-Dec-2021 12:24:03	Instrument ID:	HP6890-25		
Lims ID:	std4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

4.117	Response = 282324
4.767	Response = 286153
5.420	Response = 909205
5.517	Response = 1063234
6.513	Response = 258782



Manual Integration Results

4.117	Response = 282324	
4.767	Response = 316902	M
5.420	Response = 995295	M
5.517	Response = 1173246	M
6.513	Response = 286232	M

Reviewer: NearyM, 23-Dec-2021 13:19:55

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-406.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 12:43:46	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:40	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 13:20:21		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.973	1.977	-0.004	75541943	0.5000	0.5000	
2	2.200	2.203	-0.003	28258905	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	348768	0.0500	0.0490	
1	3.977	3.977	0.000	395495	0.0500	0.0476	
1	4.563	4.563	0.000	1415486	0.0500	0.0487	
1	4.683	4.683	0.000	2344830	0.0500	0.0485	
1	5.470	5.470	0.000	378051	0.0500	0.0497	
		Average of Peak Amounts =				0.0487	
2	4.113	4.117	-0.004	144745	0.0500	0.0507	
2	4.763	4.767	-0.004	178943	0.0500	0.0506	M
2	5.417	5.420	-0.003	506646	0.0500	0.0512	M
2	5.517	5.517	0.000	581651	0.0500	0.0505	M
2	6.513	6.513	0.000	149738	0.0500	0.0533	M
		Average of Peak Amounts =				0.0513	
						RPD = 5.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

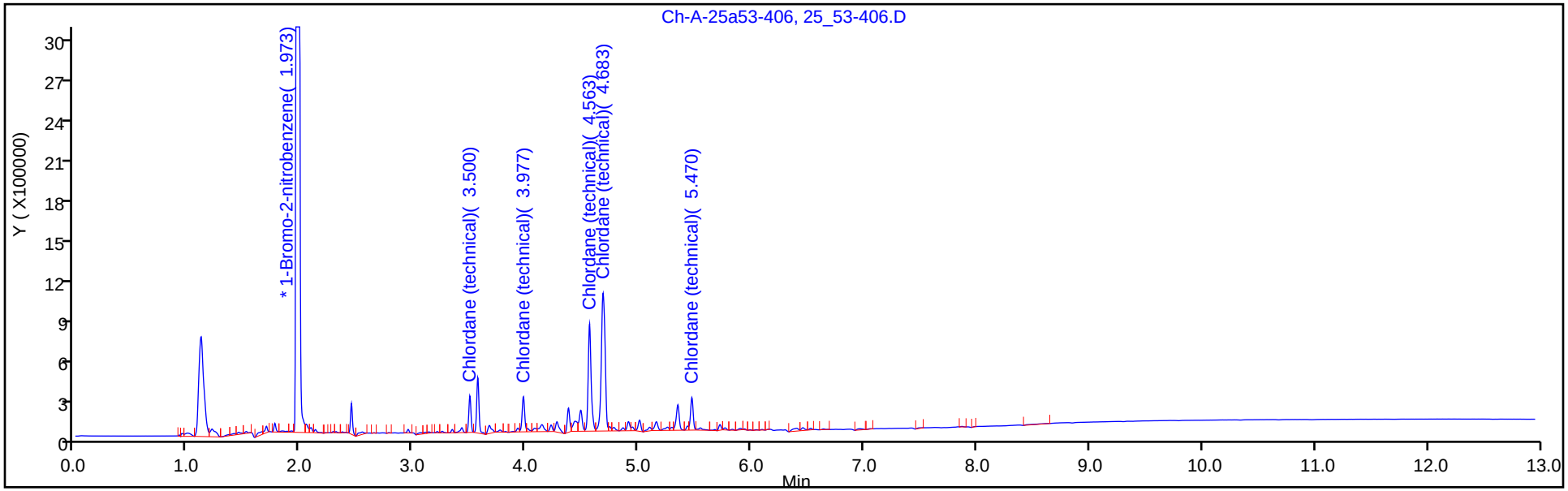
CHLOR_CAL0.05_00028 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

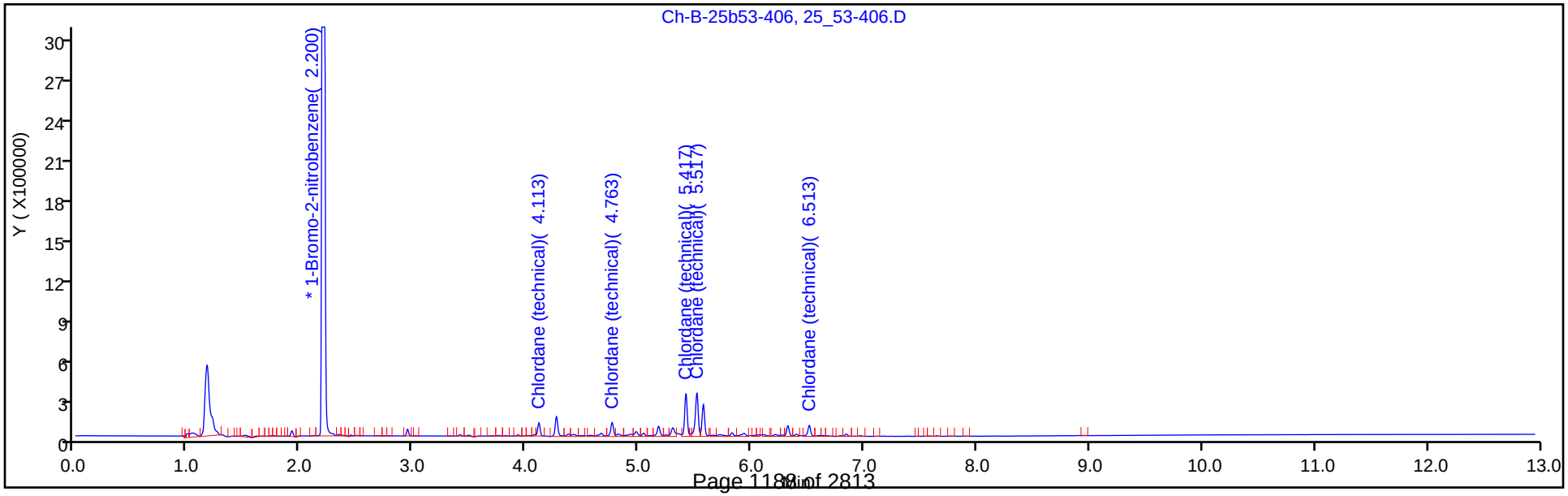
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-406.D				
Injection Date:	23-Dec-2021 12:43:46	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

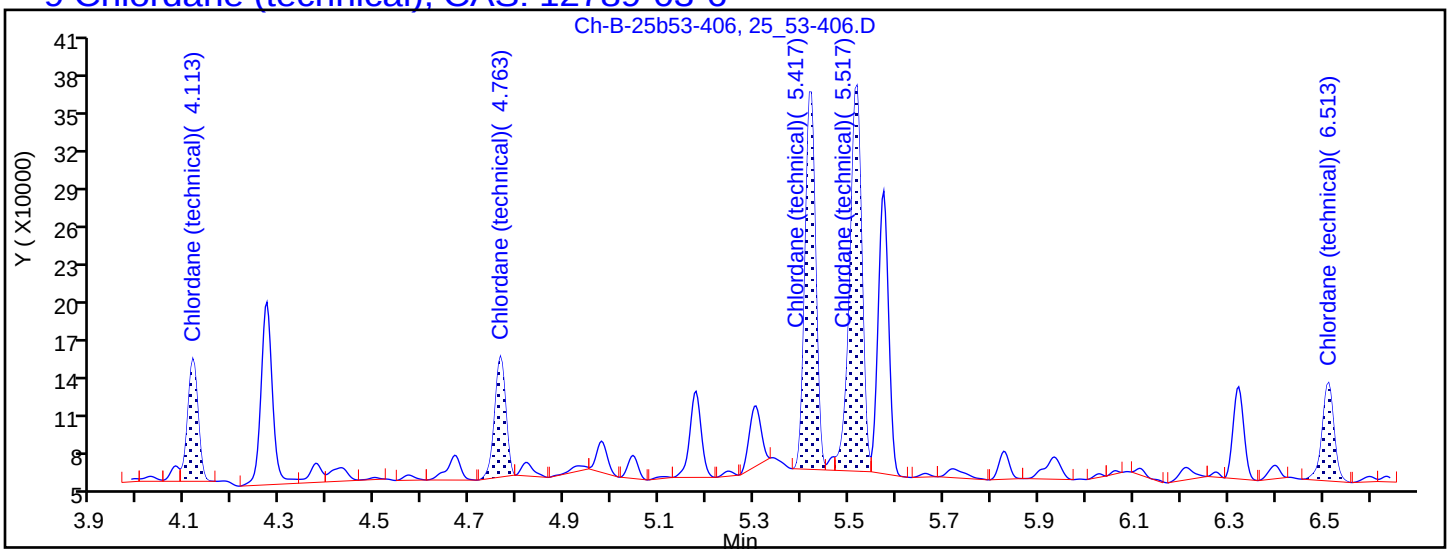


Report Date: 28-Dec-2021 10:13:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

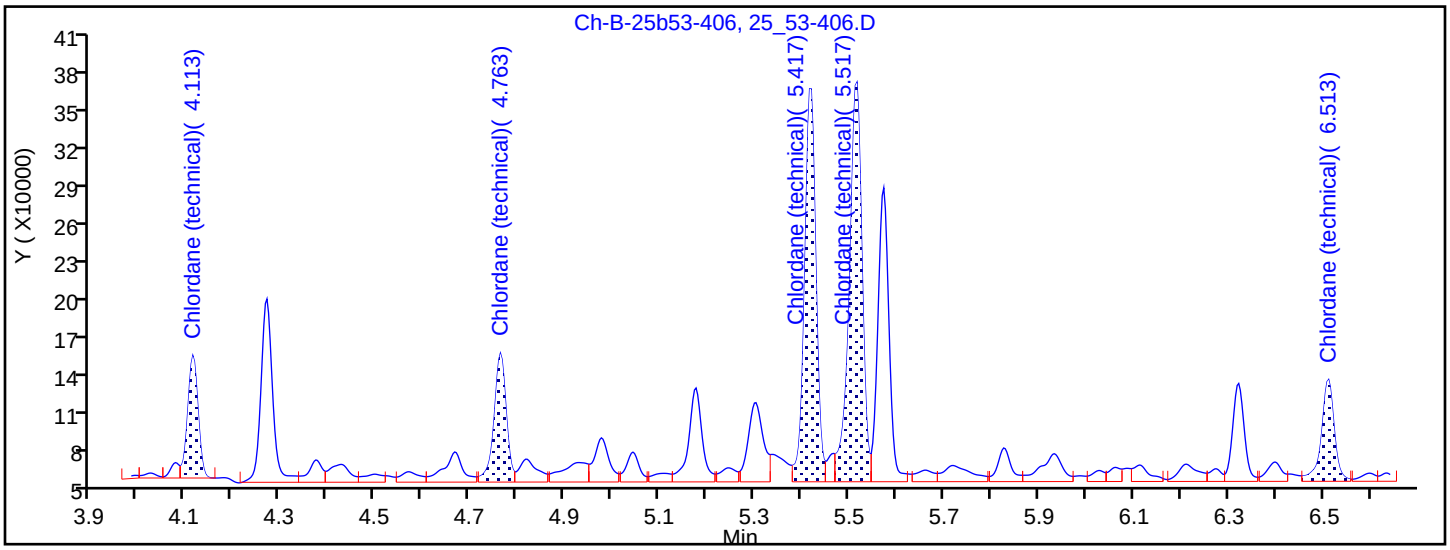
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-406.D				
Injection Date:	23-Dec-2021 12:43:46	Instrument ID:	HP6890-25		
Lims ID:	std5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

4.113	Response = 144745
4.763	Response = 151165
5.417	Response = 455127
5.517	Response = 531537
6.513	Response = 131559



Manual Integration Results

4.113	Response = 144745	
4.763	Response = 178943	M
5.417	Response = 506646	M
5.517	Response = 581651	M
6.513	Response = 149738	M

Reviewer: NearyM, 23-Dec-2021 13:20:18

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Calibration / Chlordane (technical) Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

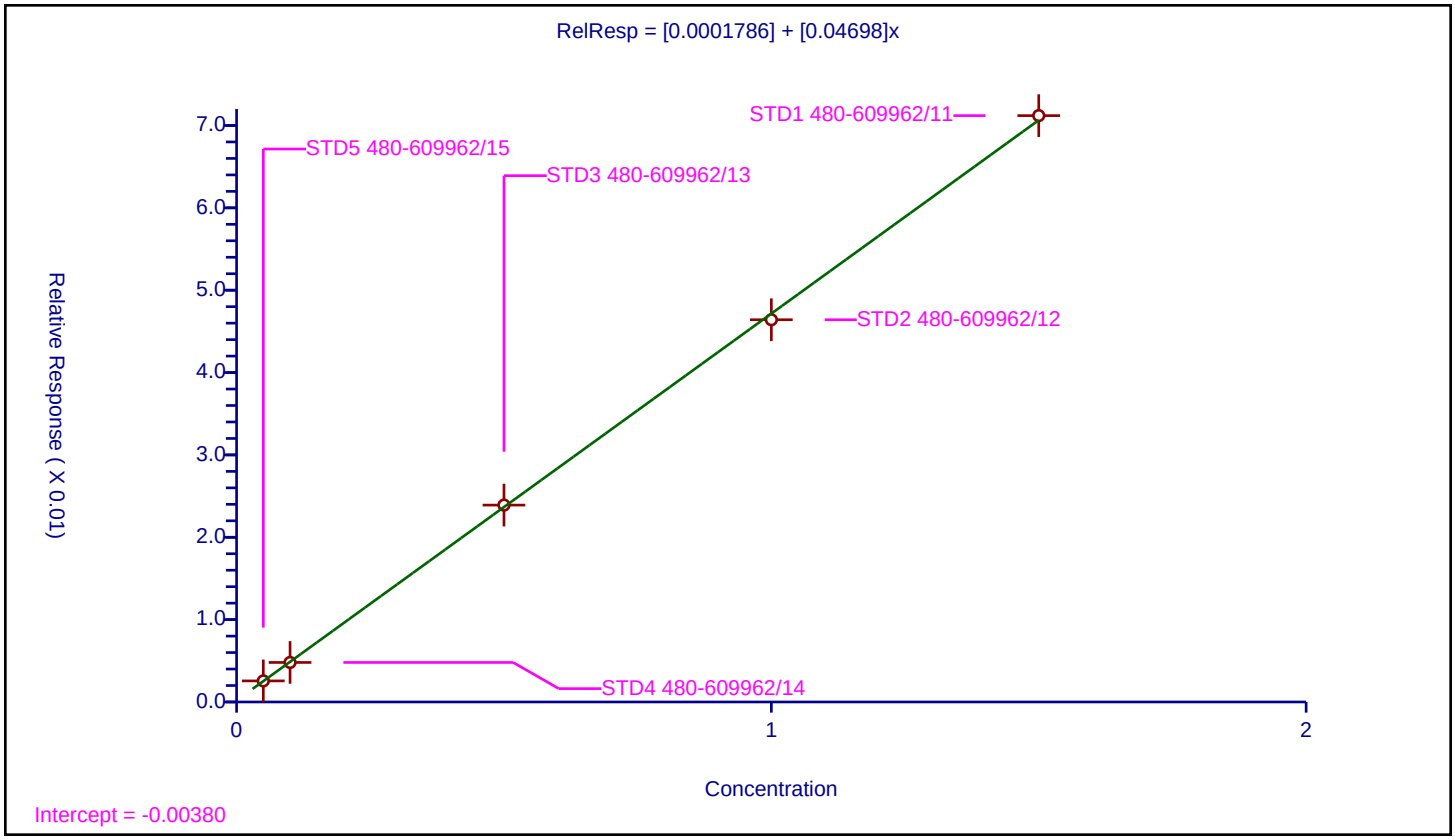
Curve Coefficients

Intercept:	0.0001786
Slope:	0.04698

Error Coefficients

Standard Error:	3030000
Relative Standard Error:	1.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.002561	0.5	28258905.0	0.051221	Y
2	STD4 480-609962/14	0.1	0.0048	0.5	29410066.0	0.047998	Y
3	STD3 480-609962/13	0.5	0.023906	0.5	28726740.0	0.047812	Y
4	STD2 480-609962/12	1.0	0.046414	0.5	29265030.0	0.046414	Y
5	STD1 480-609962/11	1.5	0.071198	0.5	29875053.0	0.047465	Y



Calibration / Chlordane (technical) Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

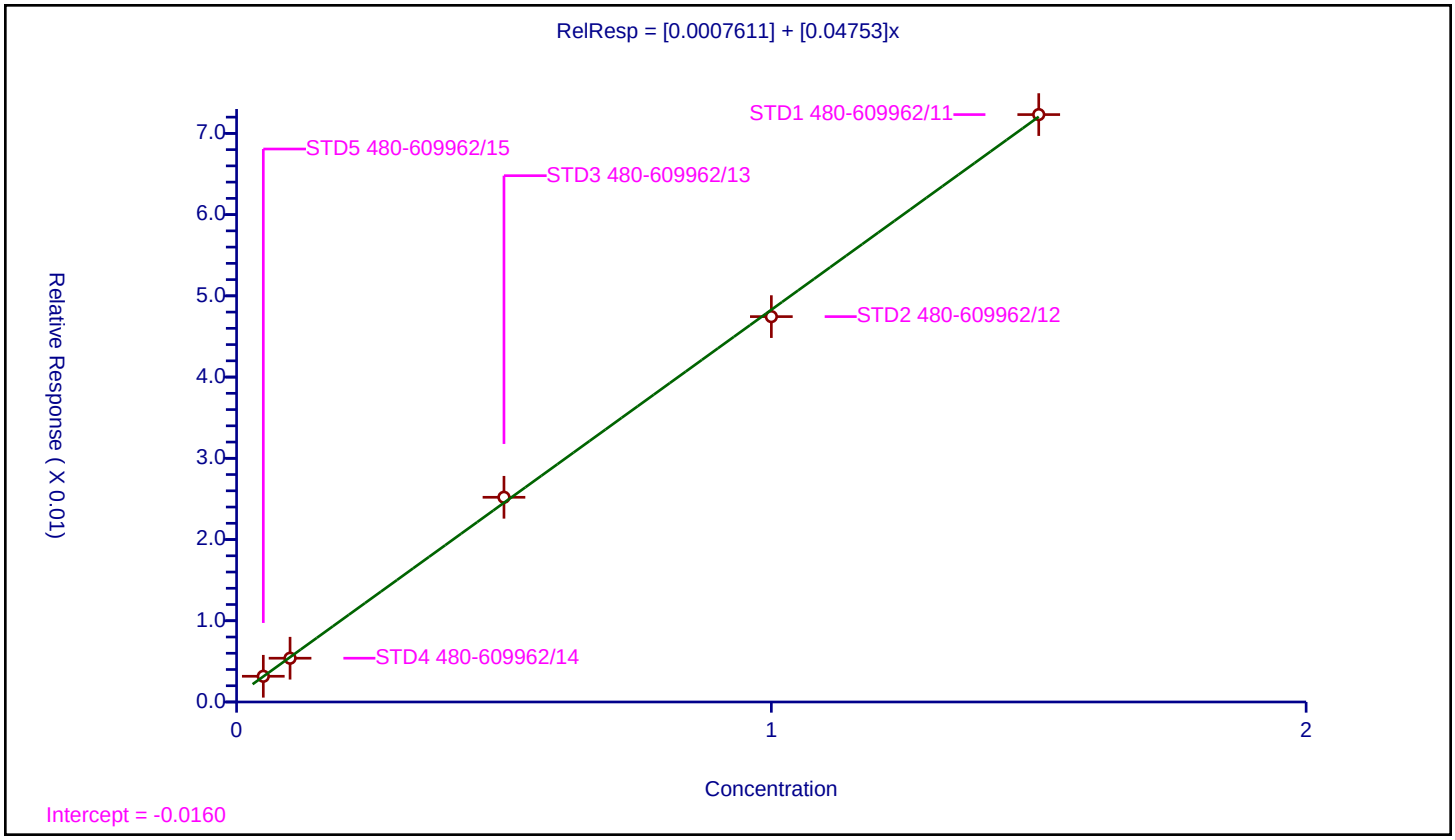
Curve Coefficients

Intercept:	0.0007611
Slope:	0.04753

Error Coefficients

Standard Error:	3090000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.003166	0.5	28258905.0	0.063323	Y
2	STD4 480-609962/14	0.1	0.005388	0.5	29410066.0	0.053876	Y
3	STD3 480-609962/13	0.5	0.025202	0.5	28726740.0	0.050404	Y
4	STD2 480-609962/12	1.0	0.047442	0.5	29265030.0	0.047442	Y
5	STD1 480-609962/11	1.5	0.072315	0.5	29875053.0	0.04821	Y



Calibration / Chlordane (technical) Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

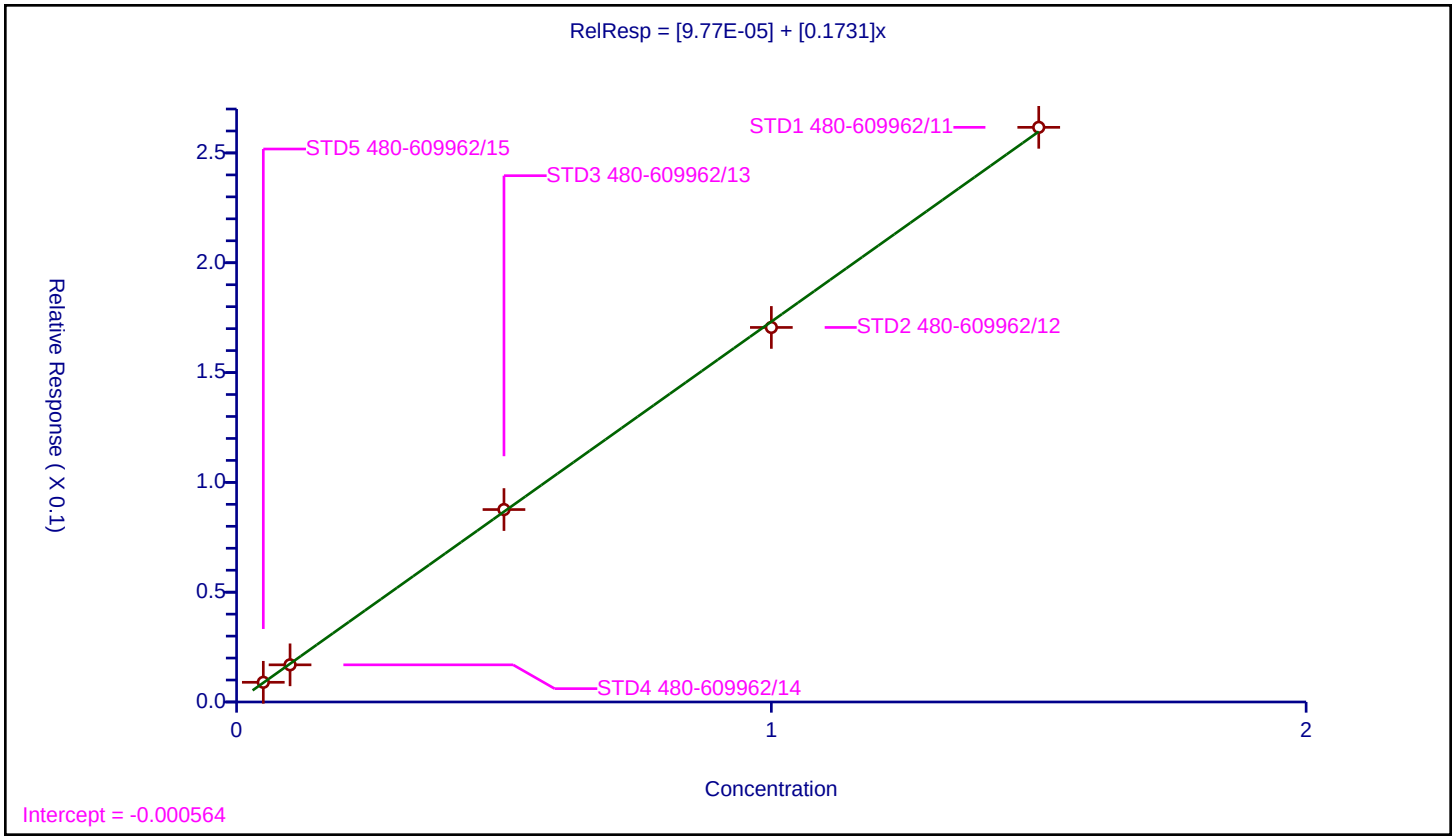
Curve Coefficients

Intercept:	9.77E-05
Slope:	0.1731

Error Coefficients

Standard Error:	11100000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.008964	0.5	28258905.0	0.179287	Y
2	STD4 480-609962/14	0.1	0.016921	0.5	29410066.0	0.16921	Y
3	STD3 480-609962/13	0.5	0.087619	0.5	28726740.0	0.175238	Y
4	STD2 480-609962/12	1.0	0.170545	0.5	29265030.0	0.170545	Y
5	STD1 480-609962/11	1.5	0.261661	0.5	29875053.0	0.174441	Y



Calibration / Chlordane (technical) Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

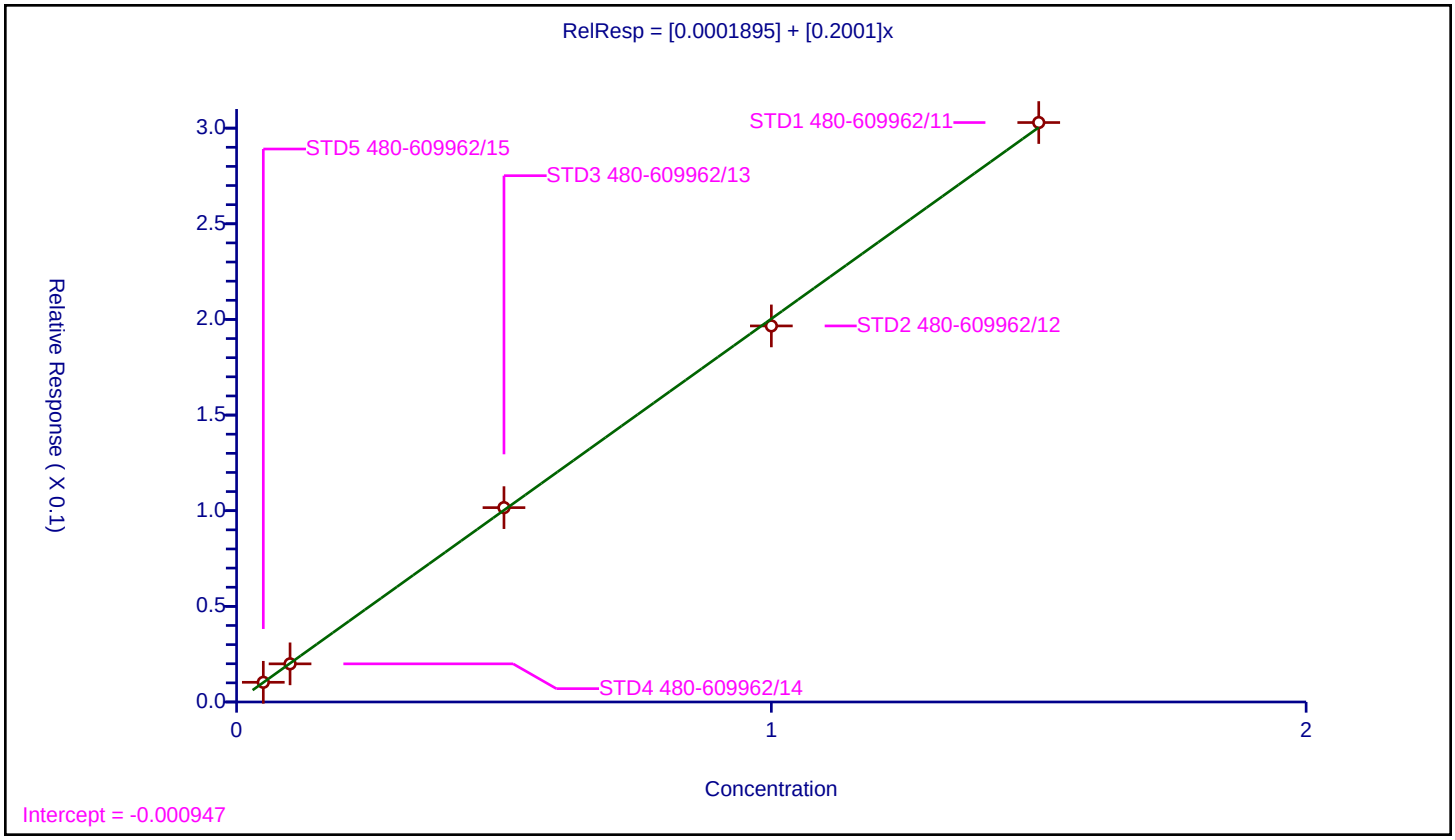
Curve Coefficients

Intercept:	0.0001895
Slope:	0.2001

Error Coefficients

Standard Error:	12900000
Relative Standard Error:	1.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.010291	0.5	28258905.0	0.205829	Y
2	STD4 480-609962/14	0.1	0.019946	0.5	29410066.0	0.199463	Y
3	STD3 480-609962/13	0.5	0.101615	0.5	28726740.0	0.20323	Y
4	STD2 480-609962/12	1.0	0.196604	0.5	29265030.0	0.196604	Y
5	STD1 480-609962/11	1.5	0.302933	0.5	29875053.0	0.201955	Y



Calibration / Chlordane (technical) Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

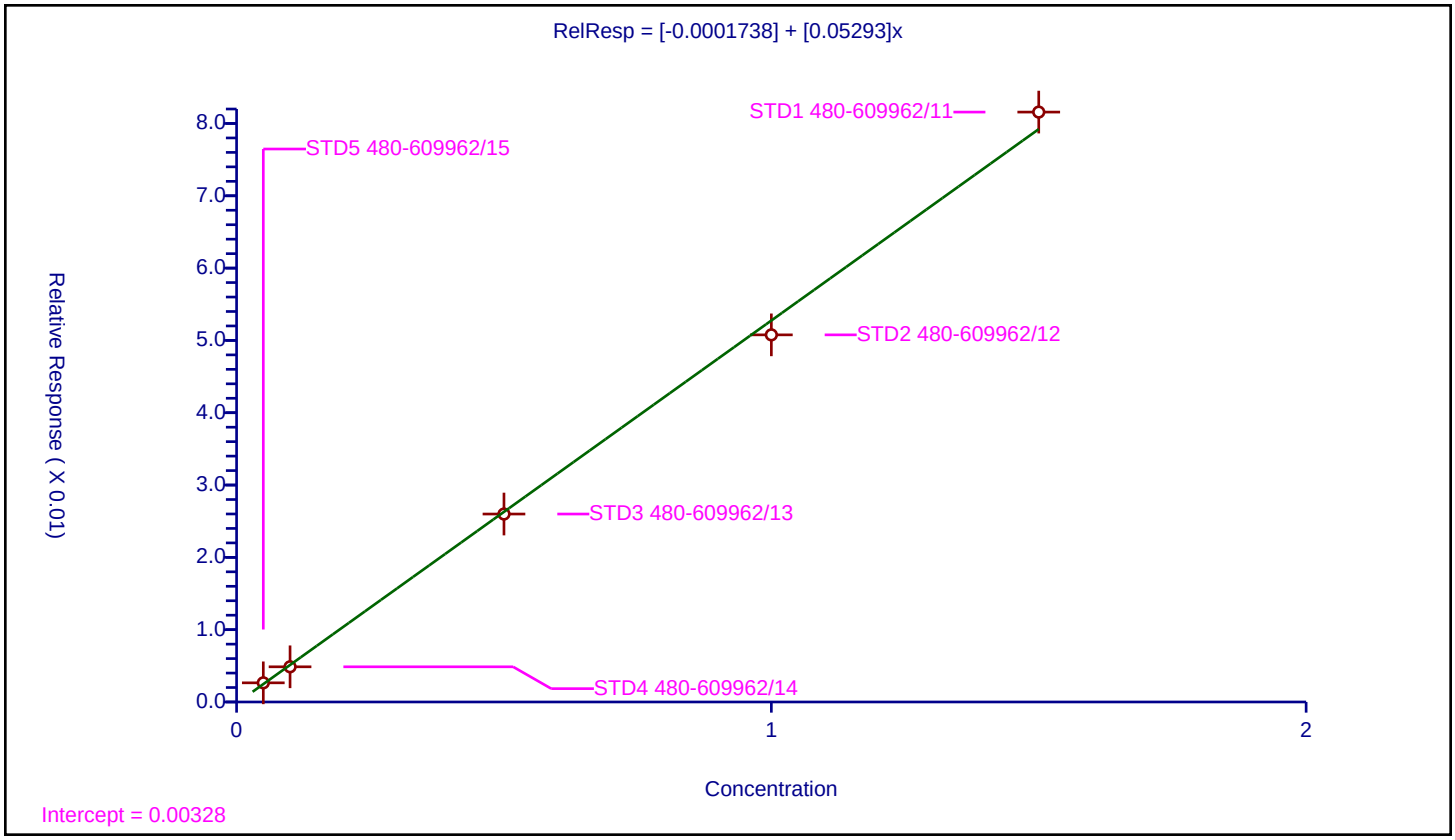
Curve Coefficients

Intercept:	-0.0001738
Slope:	0.05293

Error Coefficients

Standard Error:	3410000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/15	0.05	0.002649	0.5	28258905.0	0.052988	Y
2	STD4 480-609962/14	0.1	0.004866	0.5	29410066.0	0.048662	Y
3	STD3 480-609962/13	0.5	0.025992	0.5	28726740.0	0.051983	Y
4	STD2 480-609962/12	1.0	0.050768	0.5	29265030.0	0.050768	Y
5	STD1 480-609962/11	1.5	0.081577	0.5	29875053.0	0.054384	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 13:22 Calibration End Date: 12/23/2021 14:41 Calibration ID: 42917

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/21	25_53-412.D
Level 2	STD4 480-609962/20	25_53-411.D
Level 3	STD3 480-609962/19	25_53-410.D
Level 4	STD2 480-609962/18	25_53-409.D
Level 5	STD1 480-609962/17	25_53-408.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	0.0502	0.0580	0.0542	0.0611	0.0626	Lin1	-0.001	0.0614							0.9970		0.9900
Toxaphene Peak 2	0.0735	0.0807	0.0808	0.0875	0.0866	Lin1	-0.001	0.0867							0.9990		0.9900
Toxaphene Peak 3	0.0363	0.0436	0.0435	0.0480	0.0478	Lin1	-0.001	0.0478							0.9990		0.9900
Toxaphene Peak 4	0.0325	0.0456	0.0431	0.0490	0.0502	Lin1	-0.001	0.0496							0.9970		0.9900
Toxaphene Peak 5	0.0276	0.0407	0.0377	0.0432	0.0440	Lin1	-0.001	0.0435							0.9970		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 13:22 Calibration End Date: 12/23/2021 14:41 Calibration ID: 42917

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/21	25_53-412.D
Level 2	STD4 480-609962/20	25_53-411.D
Level 3	STD3 480-609962/19	25_53-410.D
Level 4	STD2 480-609962/18	25_53-409.D
Level 5	STD1 480-609962/17	25_53-408.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Lin1	407050	945286	4476912	9177686	14318047	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	BNB	Lin1	596349	1316650	6676037	13148560	19813718	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	BNB	Lin1	294363	711153	3593292	7219456	10943509	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 4	BNB	Lin1	263812	744334	3564811	7363428	11486182	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 5	BNB	Lin1	224043	663720	3117257	6492651	10059990	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-408.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 13:22:56	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:43	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 14:01:28		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	76241011	0.5000	0.5000	
2	2.203	2.203	0.000	28275360	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	14318047	1.50	1.54	
1	5.657	5.657	0.000	19813718	1.50	1.51	
1	5.883	5.883	0.000	10943509	1.50	1.51	
1	6.213	6.217	-0.004	11486182	1.50	1.54	
1	6.310	6.313	-0.003	10059990	1.50	1.53	
		Average of Peak Amounts =				1.53	
2	5.900	5.903	-0.003	2750119	1.50	1.51	M
2	6.450	6.450	0.000	3852496	1.50	1.54	M
2	6.547	6.550	-0.003	7270285	1.50	1.52	M
2	6.813	6.813	0.000	4445067	1.50	1.52	M
2	7.340	7.343	-0.003	3638281	1.50	1.53	M
		Average of Peak Amounts =				1.52	
						RPD = 0.03	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Tox 1.5ng_00024 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-408.D

Injection Date: 23-Dec-2021 13:22:56 Instrument ID: HP6890-25 Operator ID: BufTCHROM

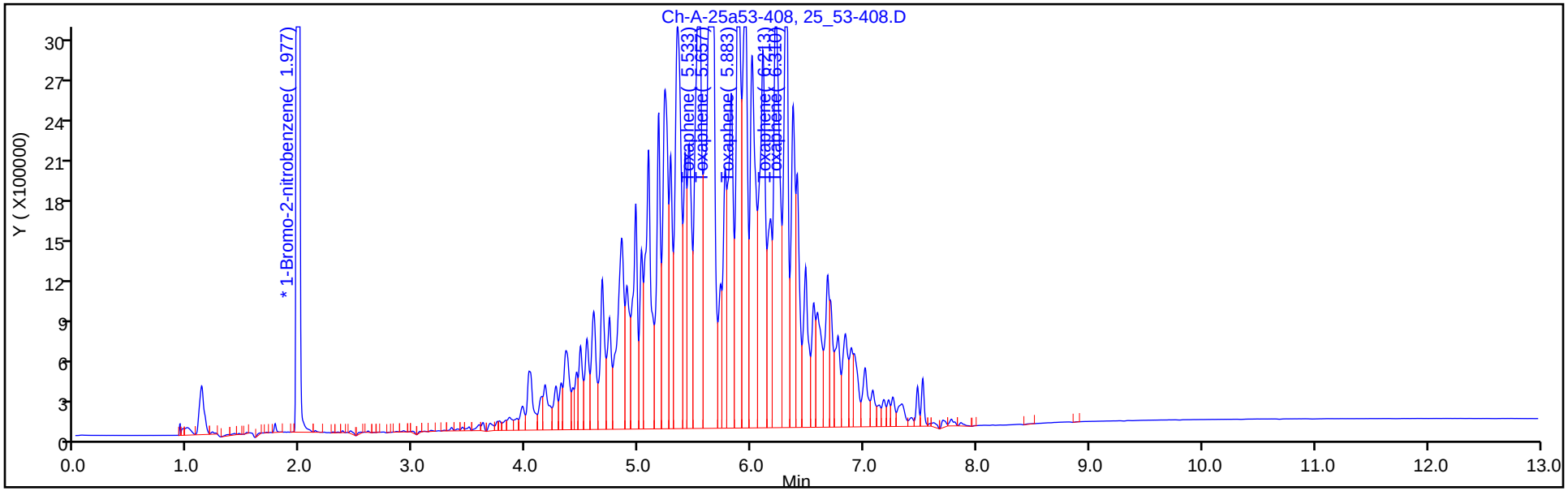
Lims ID: std1 Worklist Smp#: 17

Client ID:

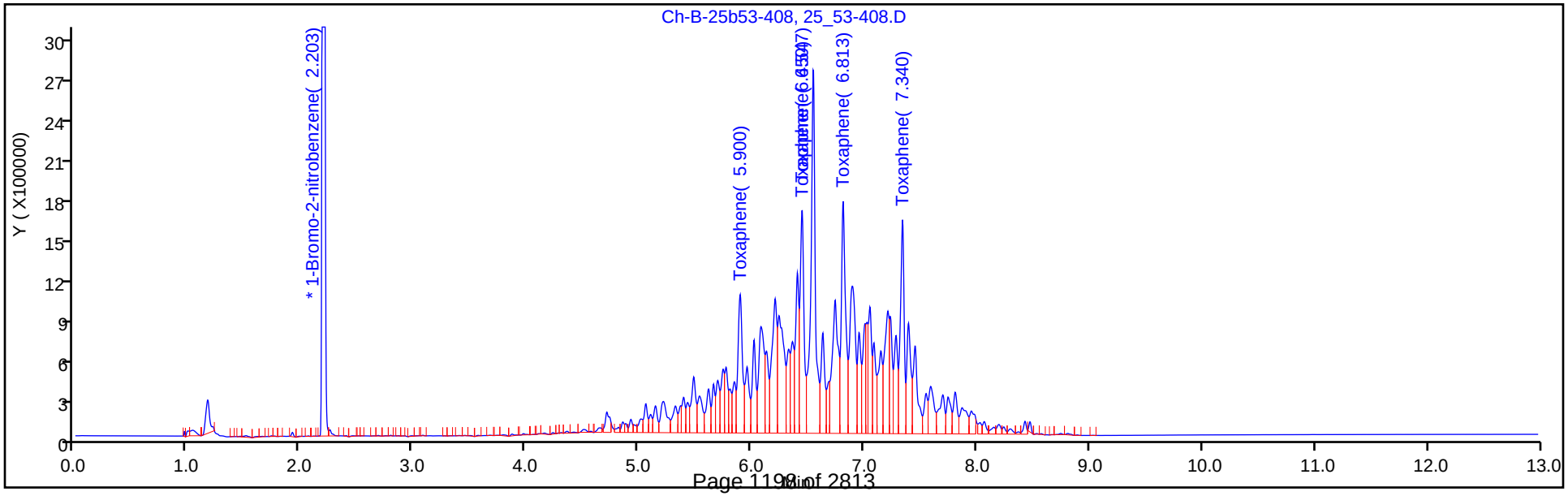
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 13:42:38	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:47	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 14:01:48		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	75162180	0.5000	0.5000	
2	2.203	2.203	0.000	27796788	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	9177686	1.00	1.00	M
1	5.657	5.657	0.000	13148560	1.00	1.02	M
1	5.883	5.883	0.000	7219456	1.00	1.02	M
1	6.217	6.217	0.000	7363428	1.00	1.00	M
1	6.310	6.313	-0.003	6492651	1.00	1.01	M
		Average of Peak Amounts =				1.01	
2	5.900	5.903	-0.003	1774706	1.00	1.00	M
2	6.447	6.450	-0.003	2424923	1.00	0.99	M
2	6.547	6.550	-0.003	4694564	1.00	1.01	M
2	6.813	6.813	0.000	2836313	1.00	1.00	M
2	7.340	7.343	-0.003	2294451	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.21	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Tox 1.0ng_00022 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:48 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D

Injection Date: 23-Dec-2021 13:42:38 Instrument ID: HP6890-25 Operator ID: BufTCHROM

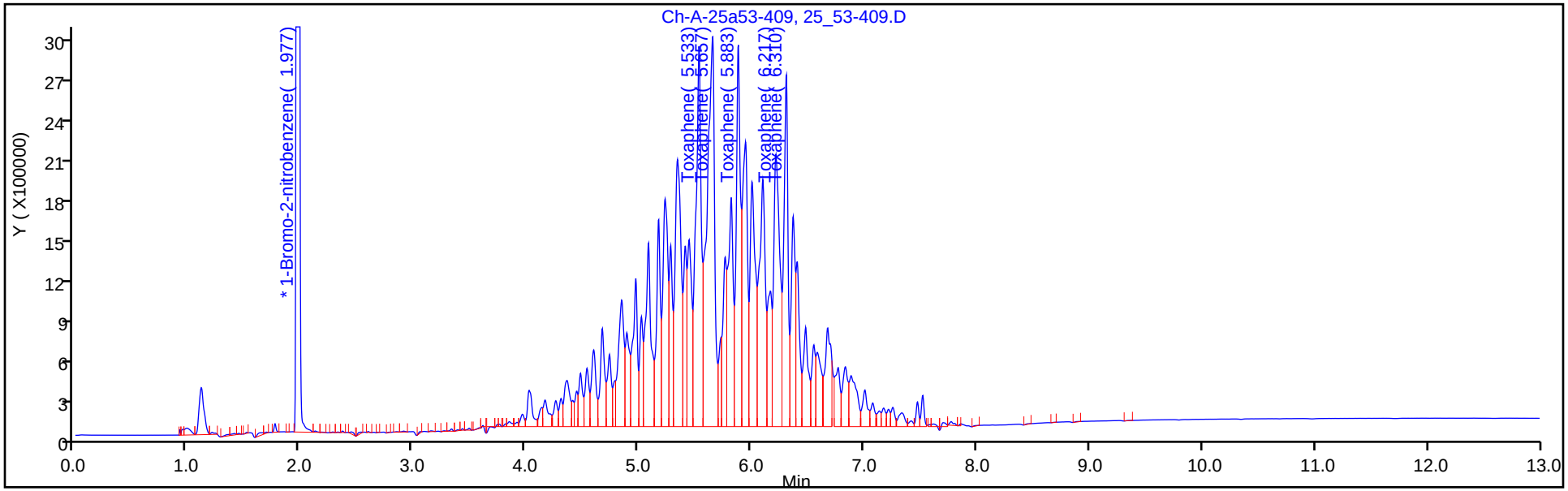
Lims ID: std2 Worklist Smp#: 18

Client ID:

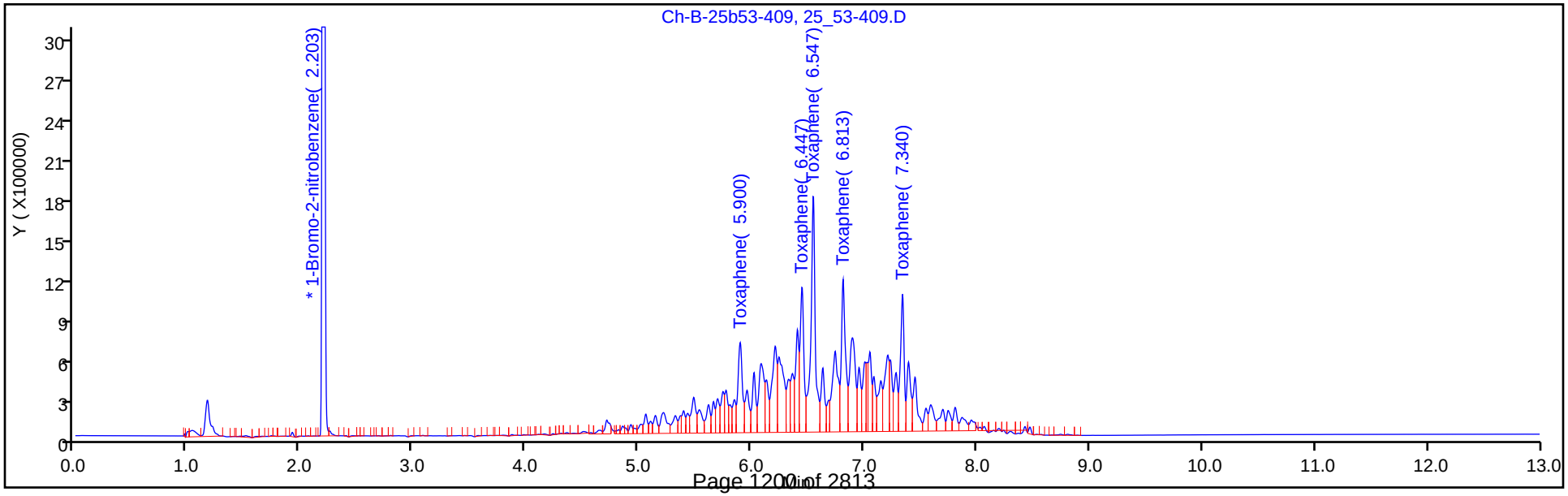
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

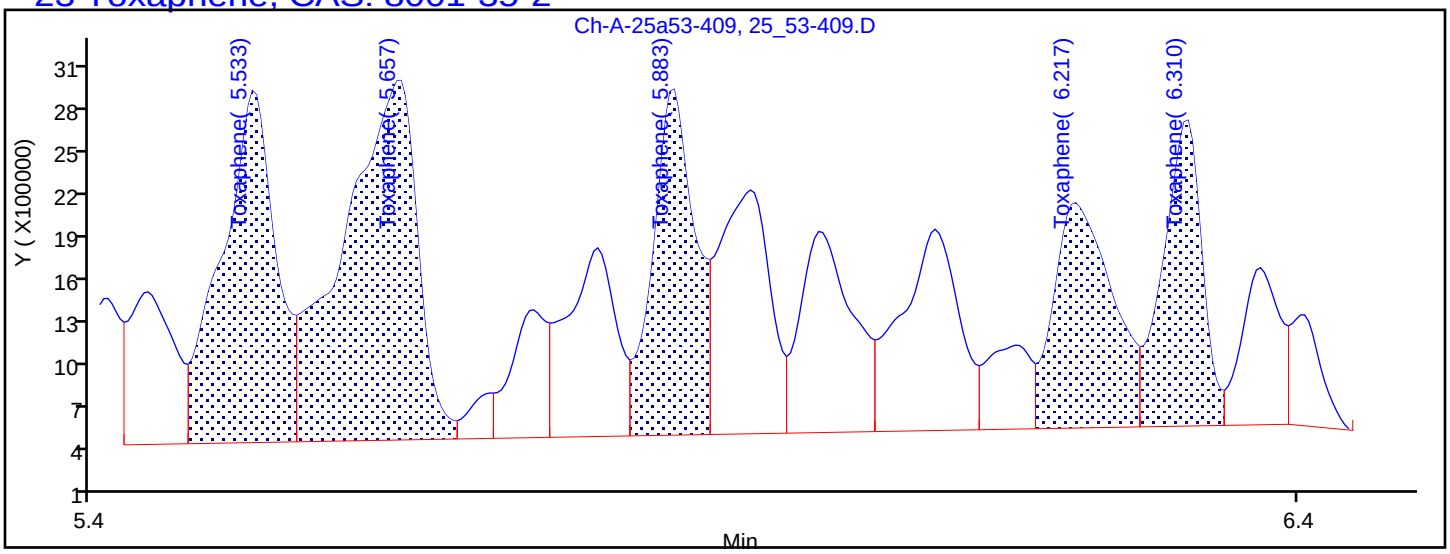


Report Date: 28-Dec-2021 10:13:48 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

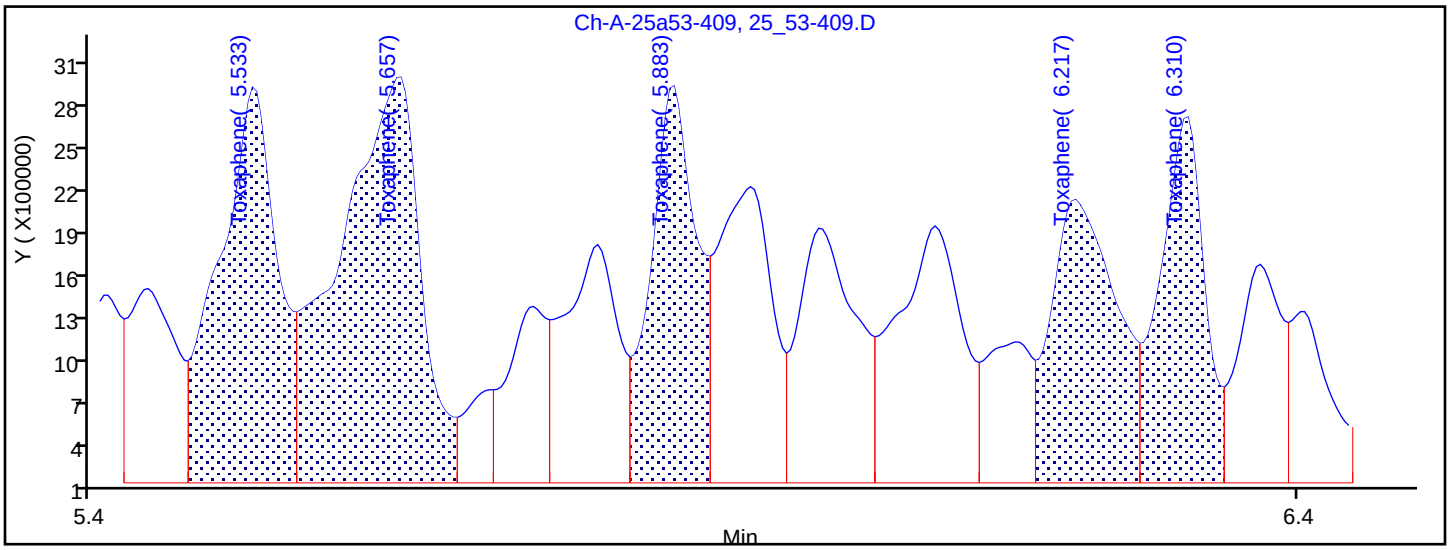
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D				
Injection Date:	23-Dec-2021 13:42:38	Instrument ID:	HP6890-25		
Lims ID:	std2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPI (0.53 mm)	Detector	Ch-A-6A58132		

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.533	Response = 7569110
5.657	Response = 10634708
5.883	Response = 5820044
6.217	Response = 5280300
6.310	Response = 4761961



Manual Integration Results

5.533	Response = 9177686	M
5.657	Response = 13148560	M
5.883	Response = 7219456	M
6.217	Response = 7363428	M
6.310	Response = 6492651	M

Reviewer: NearyM, 23-Dec-2021 14:01:40

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-410.D				
Lims ID:	std3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Dec-2021 14:02:07	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:51	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.980	0.000	82655756	0.5000	0.5000	
2	2.207	2.207	0.000	29685507	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							
1	5.537	5.537	0.000	4476912	0.5000	0.4511	
1	5.657	5.657	0.000	6676037	0.5000	0.4741	
1	5.883	5.883	0.000	3593292	0.5000	0.4668	
1	6.217	6.217	0.000	3564811	0.5000	0.4515	
1	6.313	6.313	0.000	3117257	0.5000	0.4499	
		Average of Peak Amounts =				0.4587	
2	5.903	5.903	0.000	878974	0.5000	0.4779	
2	6.450	6.450	0.000	1190136	0.5000	0.4680	
2	6.550	6.550	0.000	2279029	0.5000	0.4707	
2	6.813	6.813	0.000	1397384	0.5000	0.4753	
2	7.343	7.343	0.000	1143946	0.5000	0.4763	
		Average of Peak Amounts =				0.4736	
						RPD = 3.21	

Reagents:

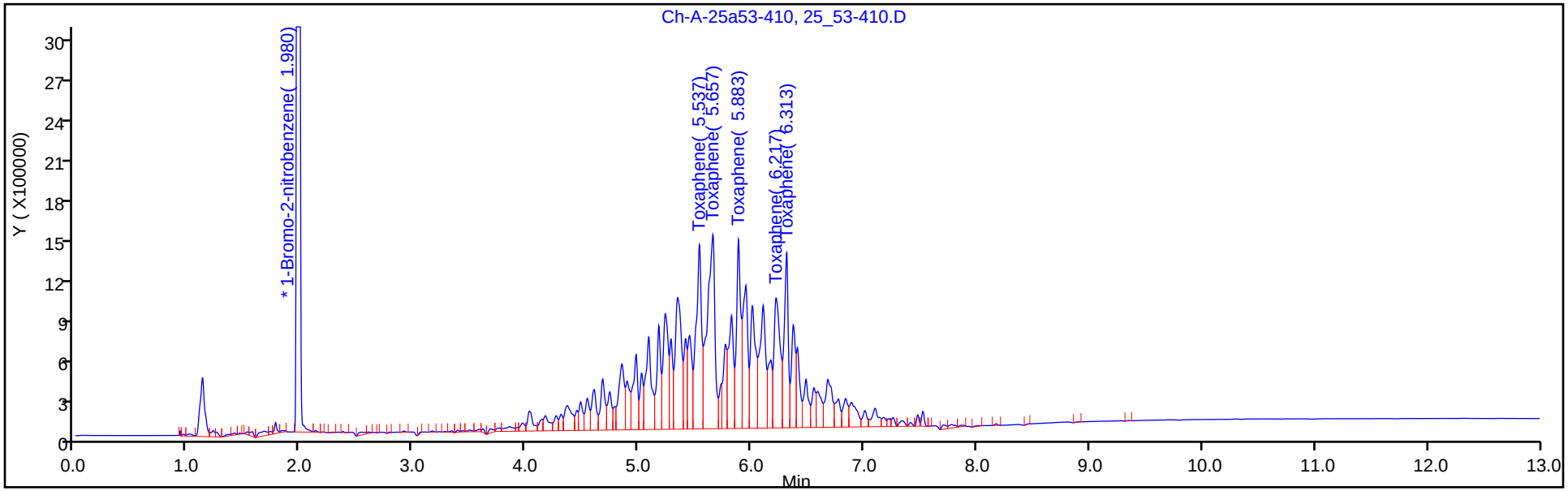
TOX_CCV_0.5_00167 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:52 Chrom Revision: 2.3 15-Nov-2021 20:34:30

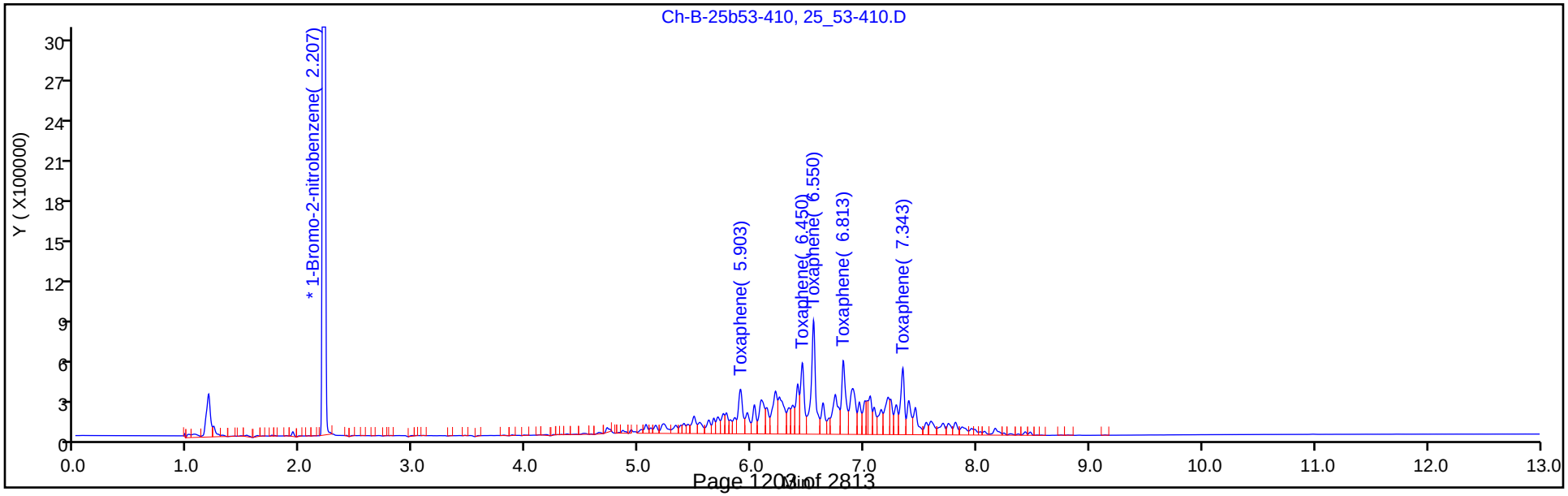
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-410.D				
Injection Date:	23-Dec-2021 14:02:07	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-411.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 14:21:47	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:55	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 27-Dec-2021 09:15:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.980	-0.003	81547861	0.5000	0.5000	
2	2.203	2.207	-0.004	29456736	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.537	5.537	0.000	945286	0.1000	0.1046	M
1	5.657	5.657	0.000	1316650	0.1000	0.1015	M
1	5.883	5.883	0.000	711153	0.1000	0.1035	M
1	6.217	6.217	0.000	744334	0.1000	0.1085	M
1	6.310	6.313	-0.003	663720	0.1000	0.1102	M
		Average of Peak Amounts =				0.1057	
2	5.900	5.903	-0.003	156961	0.1000	0.1057	
2	6.450	6.450	0.000	215378	0.1000	0.1040	
2	6.550	6.550	0.000	390513	0.1000	0.1011	
2	6.813	6.813	0.000	237268	0.1000	0.1042	
2	7.340	7.343	-0.003	185202	0.1000	0.0989	
		Average of Peak Amounts =				0.1028	
						RPD = 2.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

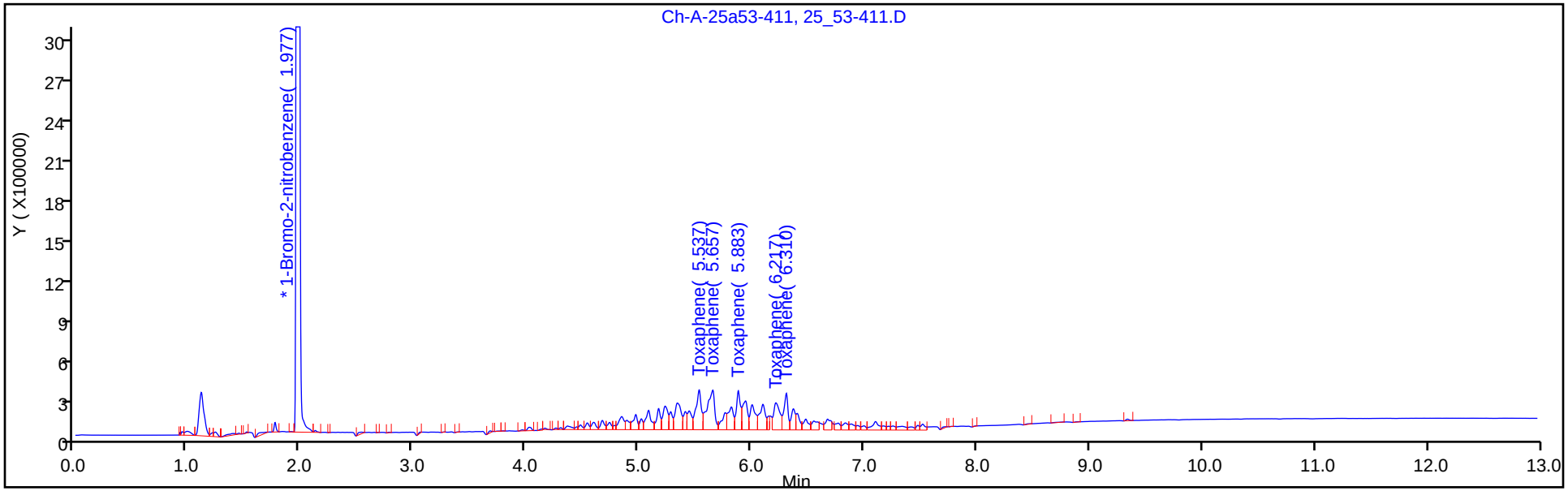
Tox 0.1ng_00025 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

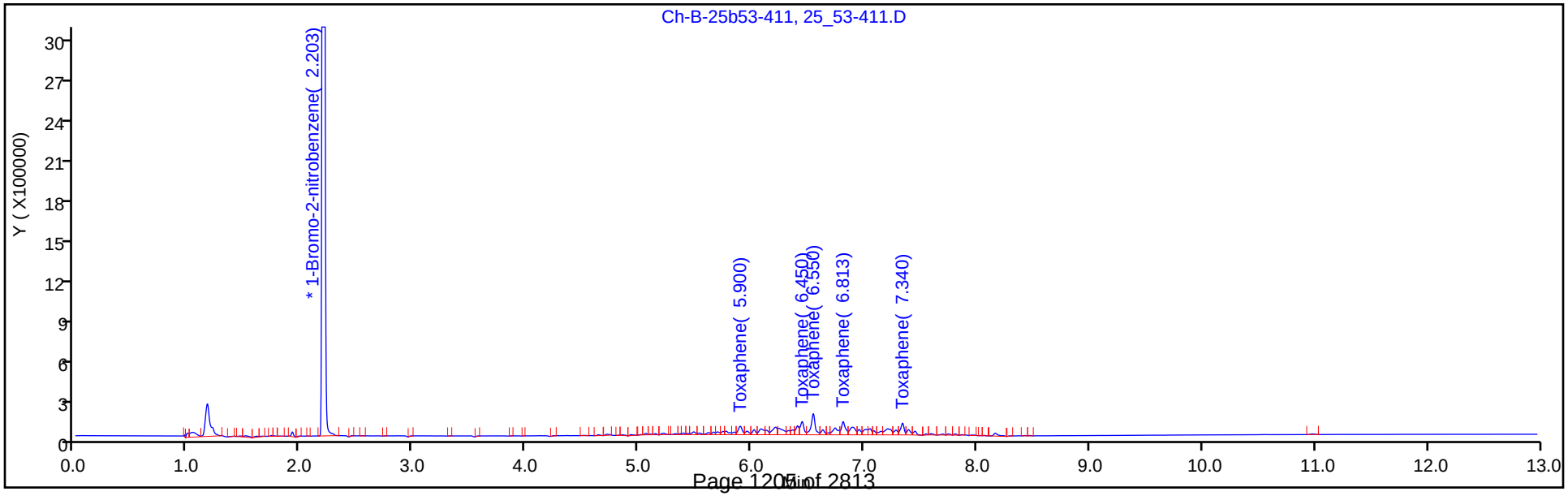
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-411.D				
Injection Date:	23-Dec-2021 14:21:47	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

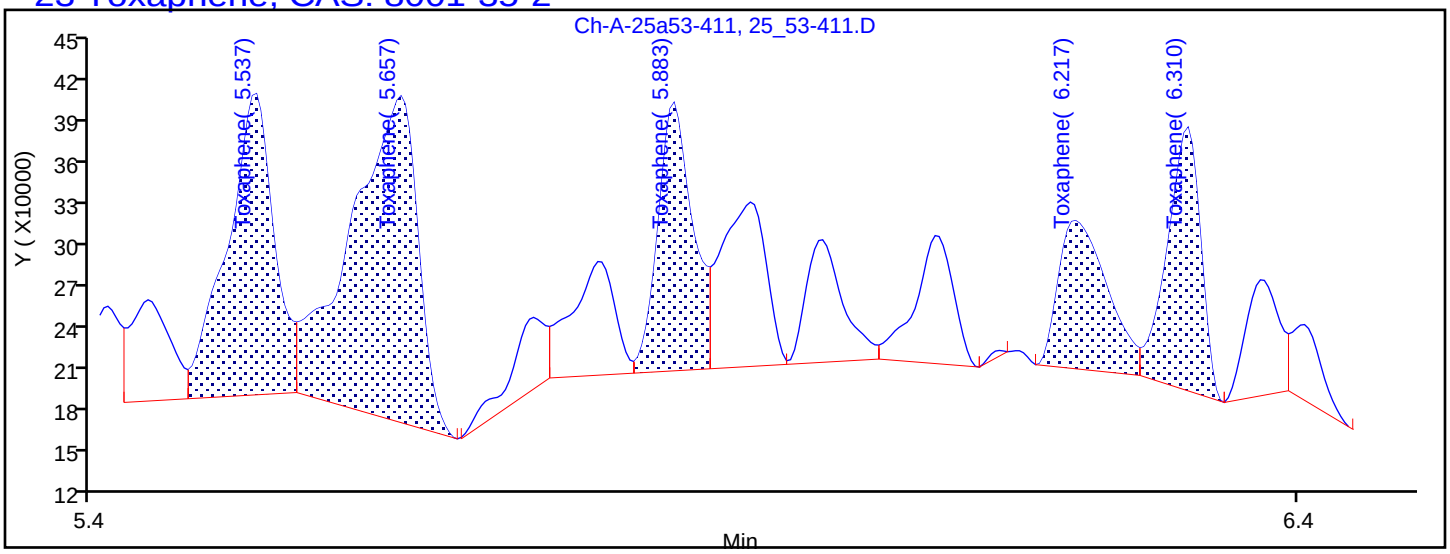


Report Date: 28-Dec-2021 10:13:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

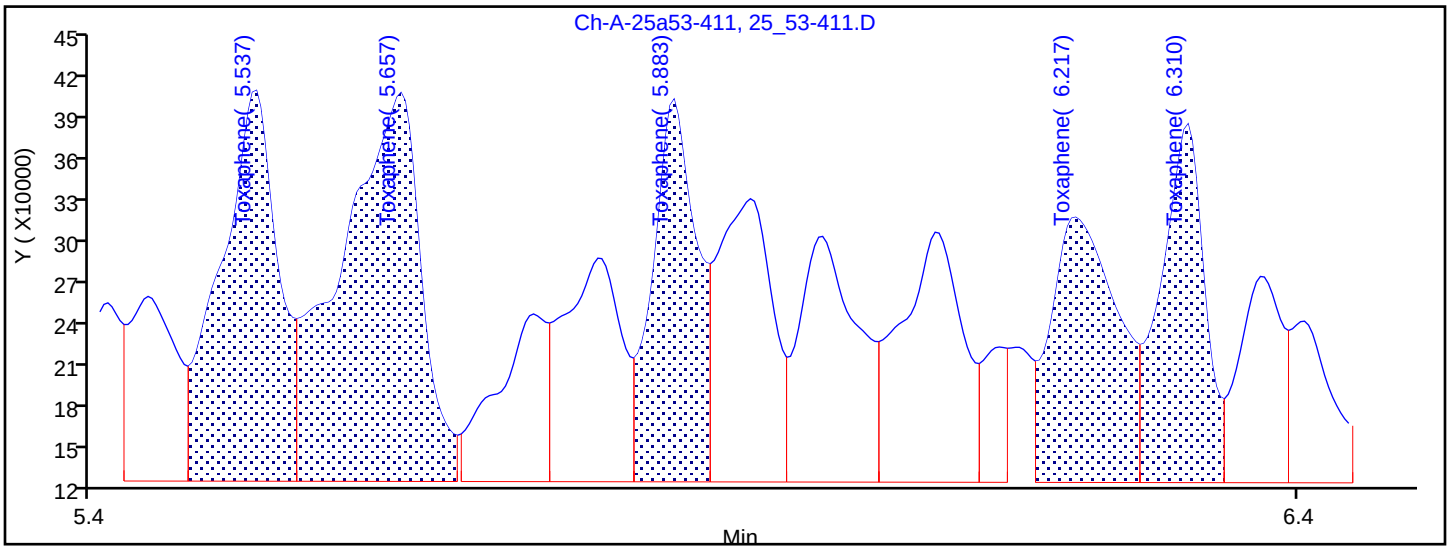
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-411.D				
Injection Date:	23-Dec-2021 14:21:47	Instrument ID:	HP6890-25		
Lims ID:	std4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPI (0.53 mm)	Detector	Ch-A-6A58132		

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.537	Response = 595196
5.657	Response = 913626
5.883	Response = 394734
6.217	Response = 305475
6.310	Response = 366646



Manual Integration Results

5.537	Response = 945286	M
5.657	Response = 1316650	M
5.883	Response = 711153	M
6.217	Response = 744334	M
6.310	Response = 663720	M

Reviewer: NearyM, 27-Dec-2021 09:14:58

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-412.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 14:41:21	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:58	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.980	-0.003	81145180	0.5000	0.5000	
2	2.203	2.207	-0.004	29299903	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							
1	5.537	5.537	0.000	407050	0.0500	0.0511	
1	5.657	5.657	0.000	596349	0.0500	0.0508	
1	5.883	5.883	0.000	294363	0.0500	0.0503	
1	6.217	6.217	0.000	263812	0.0500	0.0492	
1	6.310	6.313	-0.003	224043	0.0500	0.0484	
		Average of Peak Amounts =				0.0499	
2	5.900	5.903	-0.003	47302	0.0500	0.0487	
2	6.450	6.450	0.000	72927	0.0500	0.0504	
2	6.550	6.550	0.000	137996	0.0500	0.0514	
2	6.813	6.813	0.000	67937	0.0500	0.0497	
2	7.343	7.343	0.000	67602	0.0500	0.0523	
		Average of Peak Amounts =				0.0505	
						RPD = 1.12	

Reagents:

Tox 0.05ng_00024 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-412.D

Injection Date: 23-Dec-2021 14:41:21 Instrument ID: HP6890-25 Operator ID: BufTCHROM

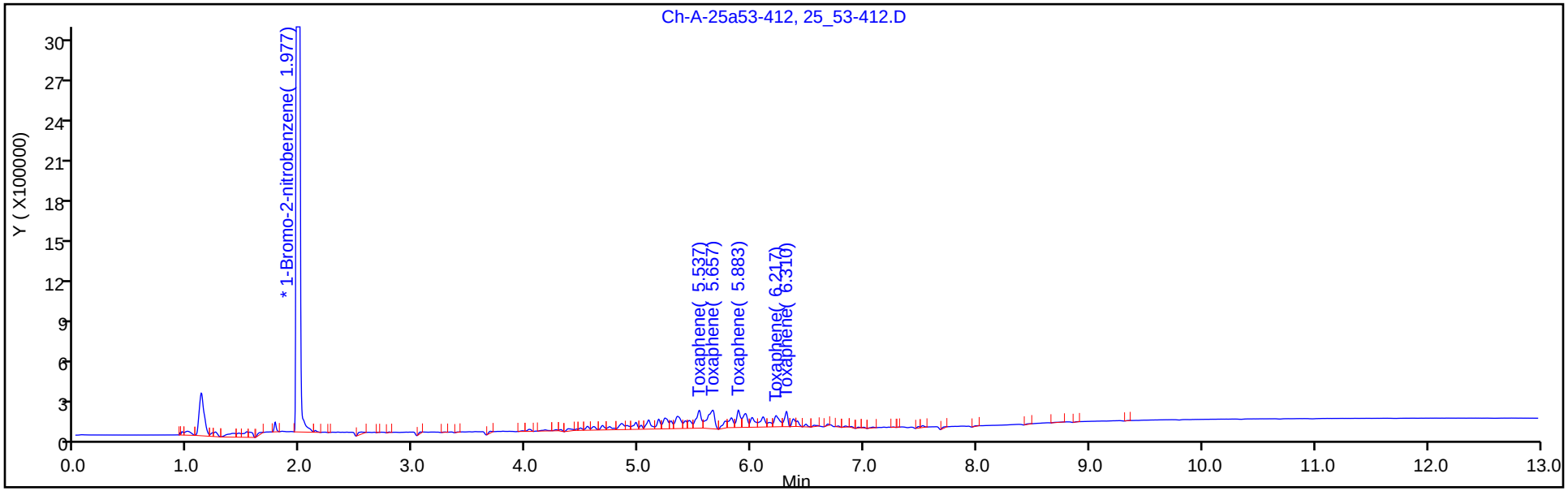
Lims ID: std5 Worklist Smp#: 21

Client ID:

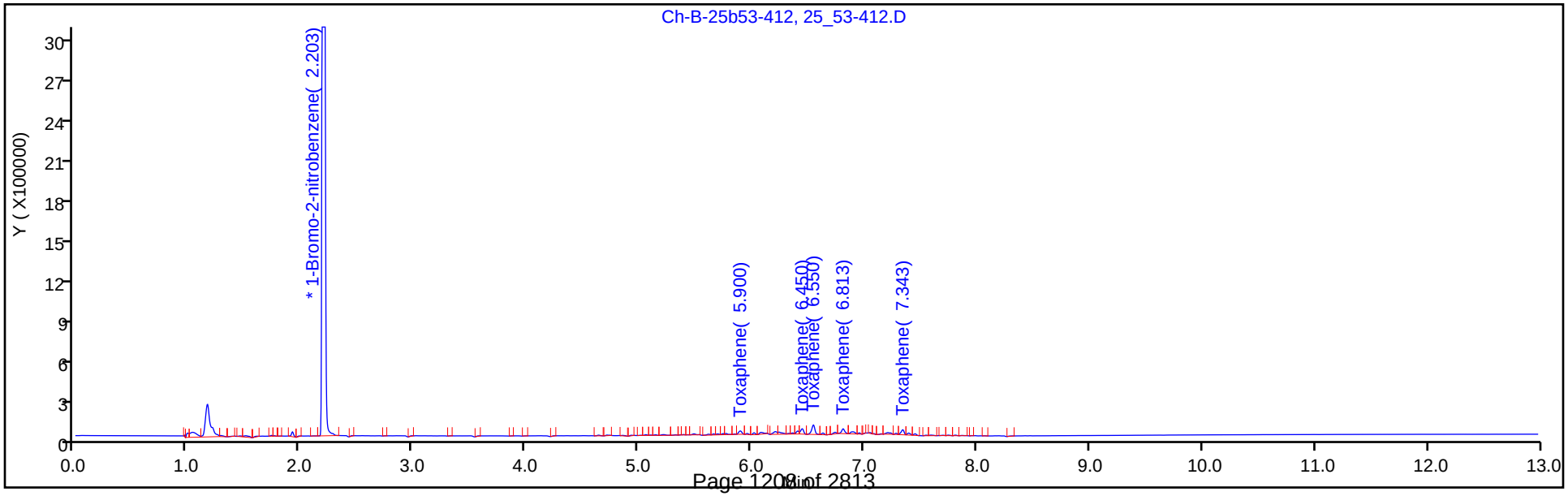
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / Toxaphene Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

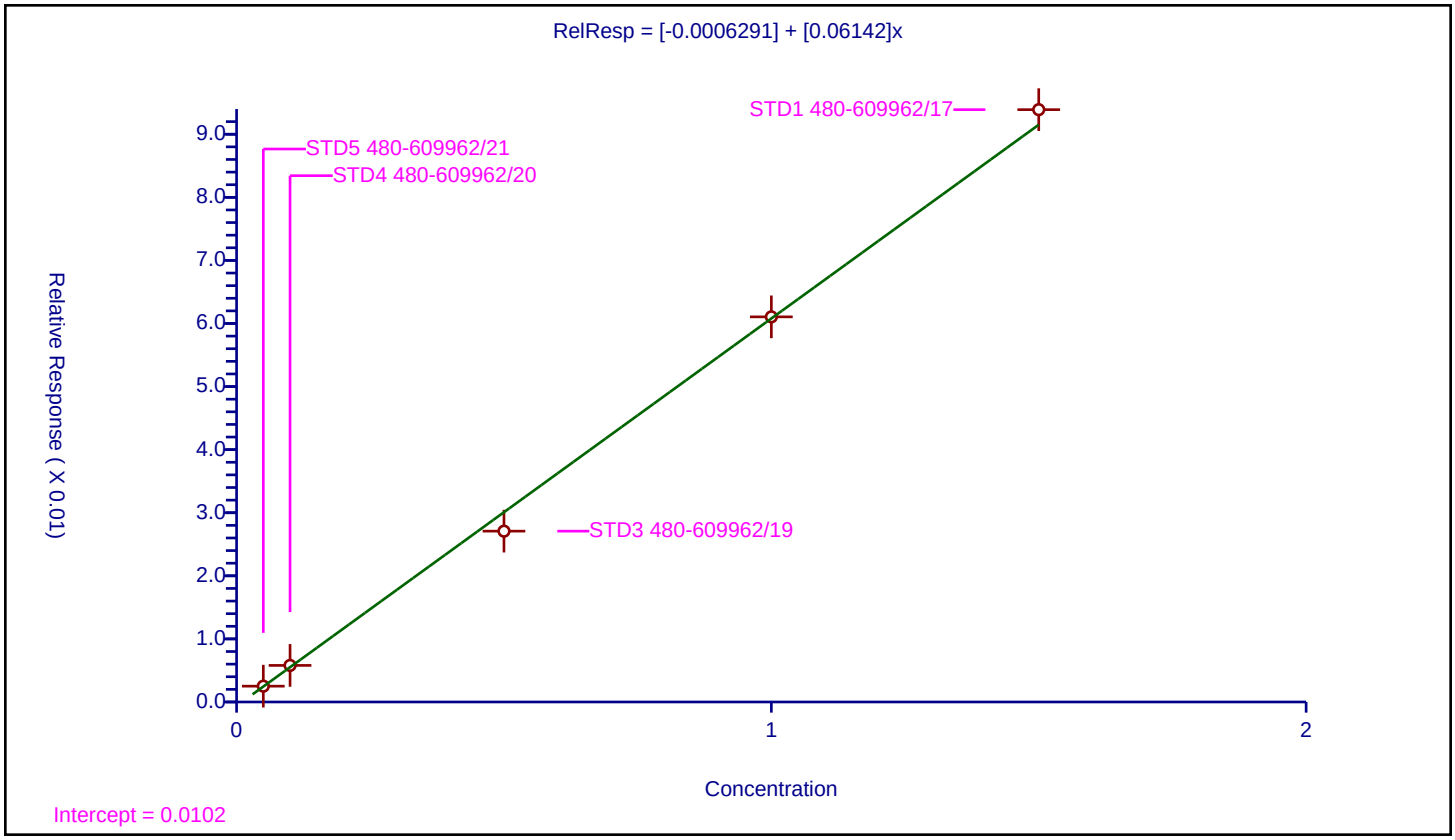
Curve Coefficients

Intercept:	-0.0006291
Slope:	0.06142

Error Coefficients

Standard Error:	10200000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.002508	0.5	81145180.0	0.050163	Y
2	STD4 480-609962/20	0.1	0.005796	0.5	81547861.0	0.057959	Y
3	STD3 480-609962/19	0.5	0.027082	0.5	82655756.0	0.054163	Y
4	STD2 480-609962/18	1.0	0.061053	0.5	75162180.0	0.061053	Y
5	STD1 480-609962/17	1.5	0.0939	0.5	76241011.0	0.0626	Y



Calibration / Toxaphene Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

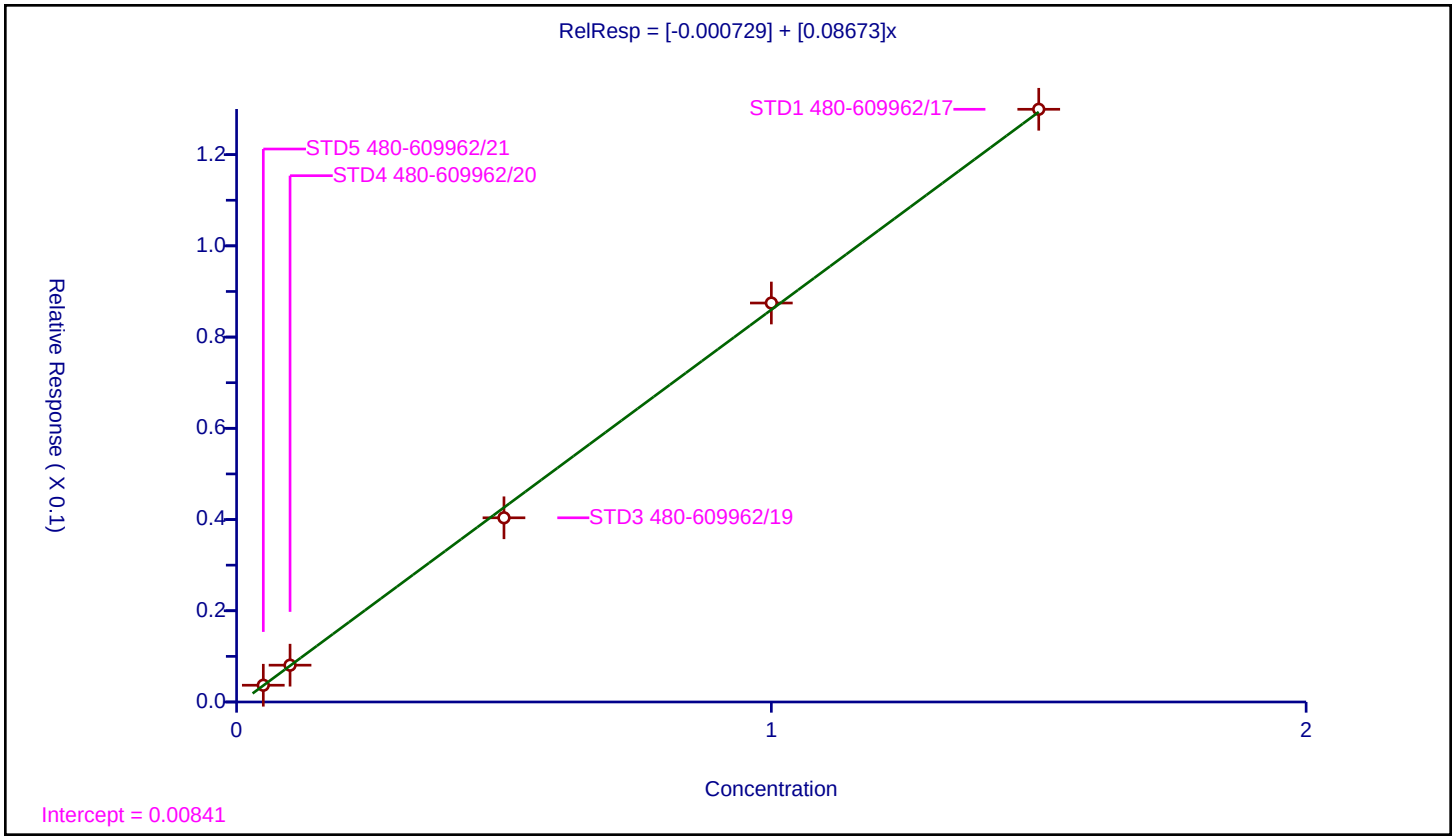
Curve Coefficients

Intercept:	-0.000729
Slope:	0.08673

Error Coefficients

Standard Error:	14300000
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	STD5 480-609962/21	0.05	0.003675	0.5	81145180.0	0.073492	Y
2	STD4 480-609962/20	0.1	0.008073	0.5	81547861.0	0.080729	Y
3	STD3 480-609962/19	0.5	0.040385	0.5	82655756.0	0.080769	Y
4	STD2 480-609962/18	1.0	0.087468	0.5	75162180.0	0.087468	Y
5	STD1 480-609962/17	1.5	0.129941	0.5	76241011.0	0.086628	Y



Calibration / Toxaphene Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

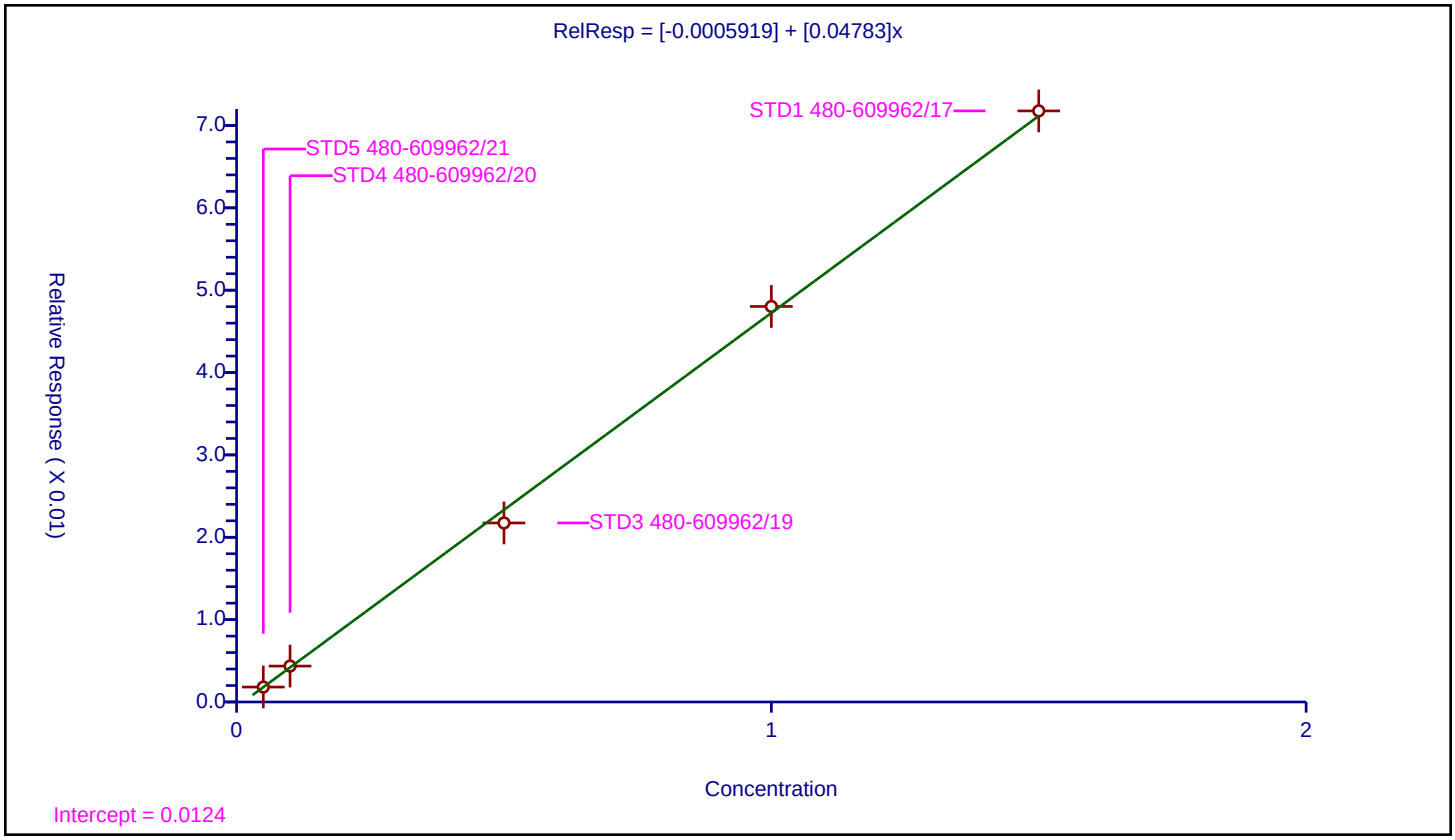
Curve Coefficients

Intercept:	-0.0005919
Slope:	0.04783

Error Coefficients

Standard Error:	7860000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001814	0.5	81145180.0	0.036276	Y
2	STD4 480-609962/20	0.1	0.00436	0.5	81547861.0	0.043603	Y
3	STD3 480-609962/19	0.5	0.021736	0.5	82655756.0	0.043473	Y
4	STD2 480-609962/18	1.0	0.048026	0.5	75162180.0	0.048026	Y
5	STD1 480-609962/17	1.5	0.071769	0.5	76241011.0	0.047846	Y



Calibration / Toxaphene Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

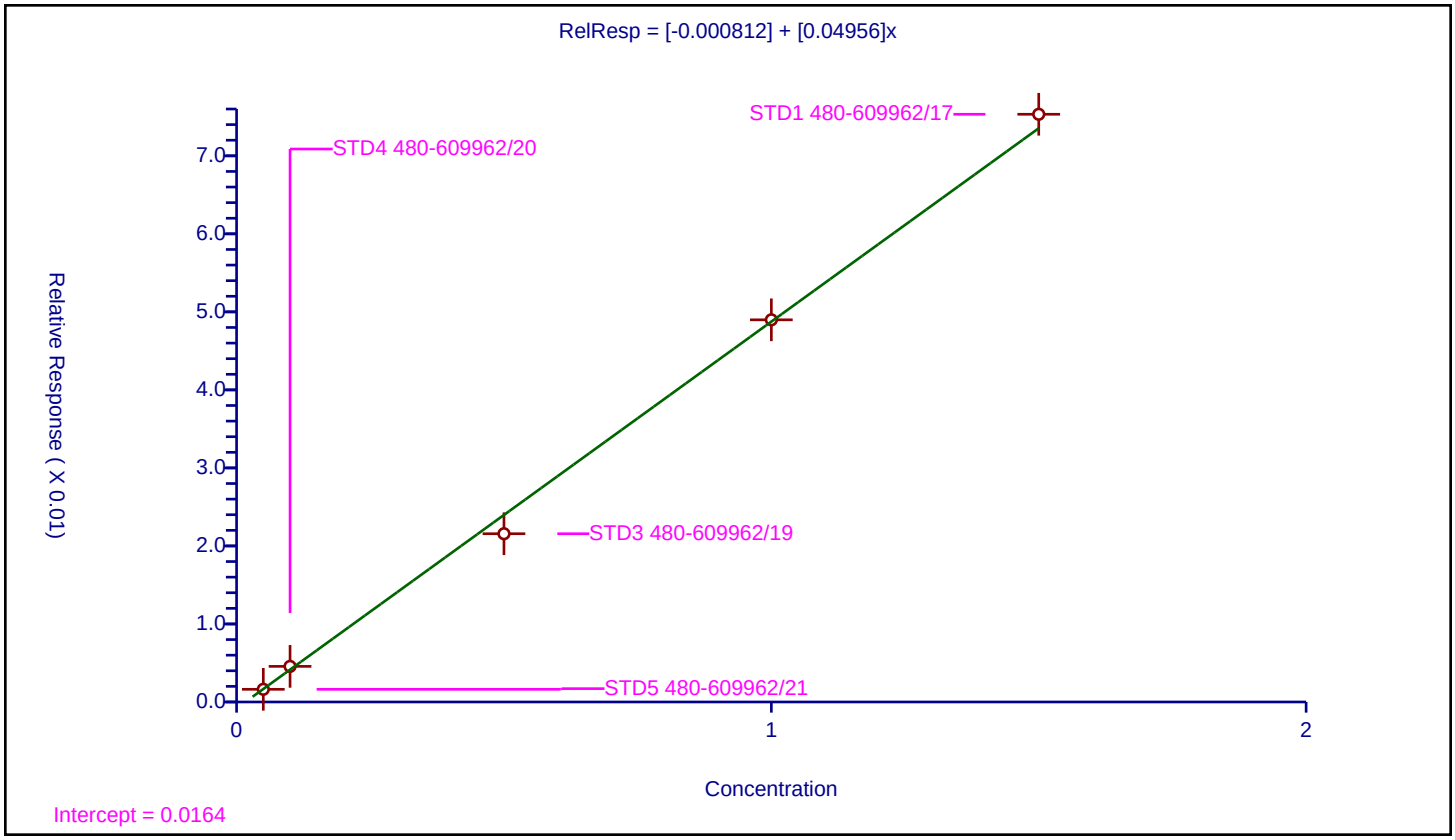
Curve Coefficients

Intercept:	-0.000812
Slope:	0.04956

Error Coefficients

Standard Error:	8150000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001626	0.5	81145180.0	0.032511	Y
2	STD4 480-609962/20	0.1	0.004564	0.5	81547861.0	0.045638	Y
3	STD3 480-609962/19	0.5	0.021564	0.5	82655756.0	0.043128	Y
4	STD2 480-609962/18	1.0	0.048984	0.5	75162180.0	0.048984	Y
5	STD1 480-609962/17	1.5	0.075328	0.5	76241011.0	0.050219	Y



Calibration / Toxaphene Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

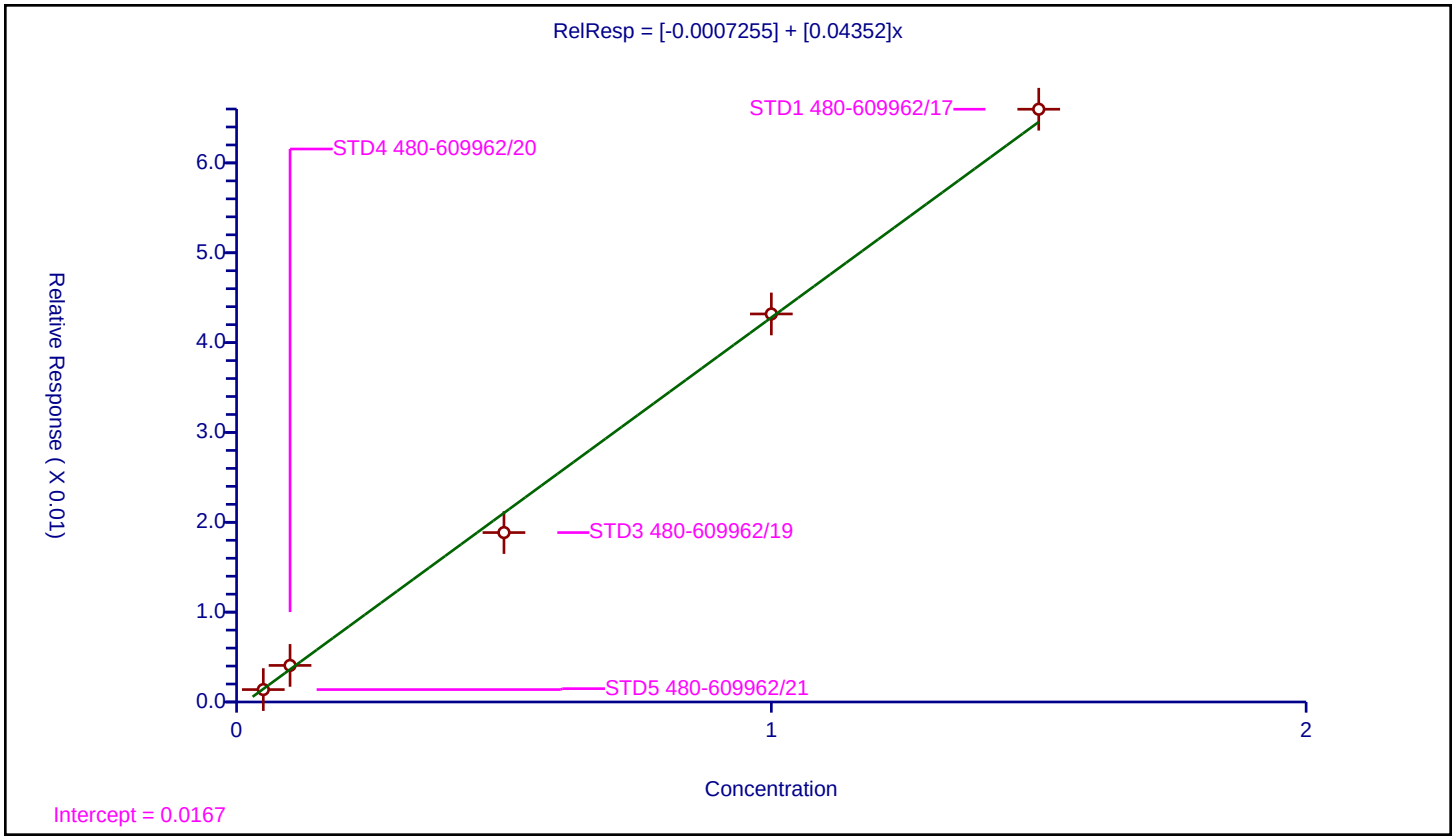
Curve Coefficients

Intercept:	-0.0007255
Slope:	0.04352

Error Coefficients

Standard Error:	7150000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001381	0.5	81145180.0	0.02761	Y
2	STD4 480-609962/20	0.1	0.00407	0.5	81547861.0	0.040695	Y
3	STD3 480-609962/19	0.5	0.018857	0.5	82655756.0	0.037714	Y
4	STD2 480-609962/18	1.0	0.043191	0.5	75162180.0	0.043191	Y
5	STD1 480-609962/17	1.5	0.065975	0.5	76241011.0	0.043983	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 13:22 Calibration End Date: 12/23/2021 14:41 Calibration ID: 42918

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/21	25_53-412.D
Level 2	STD4 480-609962/20	25_53-411.D
Level 3	STD3 480-609962/19	25_53-410.D
Level 4	STD2 480-609962/18	25_53-409.D
Level 5	STD1 480-609962/17	25_53-408.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	0.0161	0.0266	0.0296	0.0319	0.0324	Lin1	-0.001	0.0326							0.9990		0.9900
Toxaphene Peak 2	0.0249	0.0366	0.0401	0.0436	0.0454	Lin1	-0.001	0.0450							0.9990		0.9900
Toxaphene Peak 3	0.0471	0.0663	0.0768	0.0844	0.0857	Lin1	-0.002	0.0859							0.9990		0.9900
Toxaphene Peak 4	0.0232	0.0403	0.0471	0.0510	0.0524	Lin1	-0.001	0.0526							0.9990		0.9900
Toxaphene Peak 5	0.0231	0.0314	0.0385	0.0413	0.0429	Lin1	-0.001	0.0427							0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 609962

SDG No.:

Instrument ID: HP6890-25 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/23/2021 13:22 Calibration End Date: 12/23/2021 14:41 Calibration ID: 42918

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD5 480-609962/21	25_53-412.D
Level 2	STD4 480-609962/20	25_53-411.D
Level 3	STD3 480-609962/19	25_53-410.D
Level 4	STD2 480-609962/18	25_53-409.D
Level 5	STD1 480-609962/17	25_53-408.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Lin1	47302	156961	878974	1774706	2750119	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	BNB	Lin1	72927	215378	1190136	2424923	3852496	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	BNB	Lin1	137996	390513	2279029	4694564	7270285	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 4	BNB	Lin1	67937	237268	1397384	2836313	4445067	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 5	BNB	Lin1	67602	185202	1143946	2294451	3638281	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-408.D				
Lims ID:	std1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	23-Dec-2021 13:22:56	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:43	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 14:01:28		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	76241011	0.5000	0.5000	
2	2.203	2.203	0.000	28275360	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	14318047	1.50	1.54	
1	5.657	5.657	0.000	19813718	1.50	1.51	
1	5.883	5.883	0.000	10943509	1.50	1.51	
1	6.213	6.217	-0.004	11486182	1.50	1.54	
1	6.310	6.313	-0.003	10059990	1.50	1.53	
		Average of Peak Amounts =				1.53	
2	5.900	5.903	-0.003	2750119	1.50	1.51	M
2	6.450	6.450	0.000	3852496	1.50	1.54	M
2	6.547	6.550	-0.003	7270285	1.50	1.52	M
2	6.813	6.813	0.000	4445067	1.50	1.52	M
2	7.340	7.343	-0.003	3638281	1.50	1.53	M
		Average of Peak Amounts =				1.52	
						RPD = 0.03	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

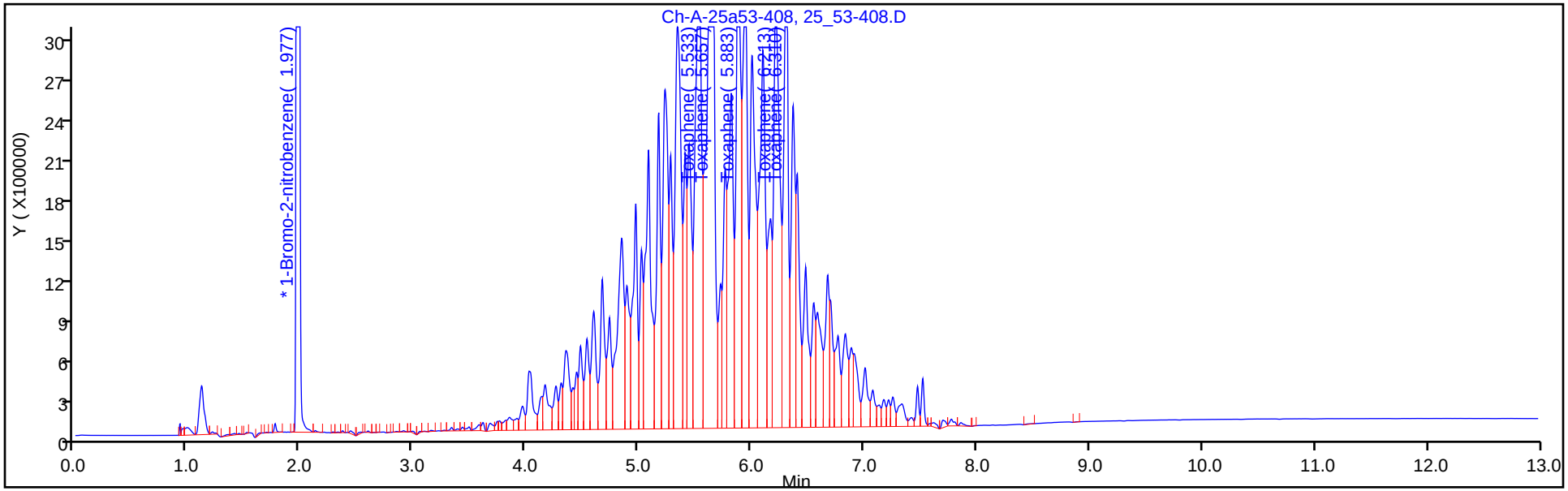
Tox 1.5ng_00024 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

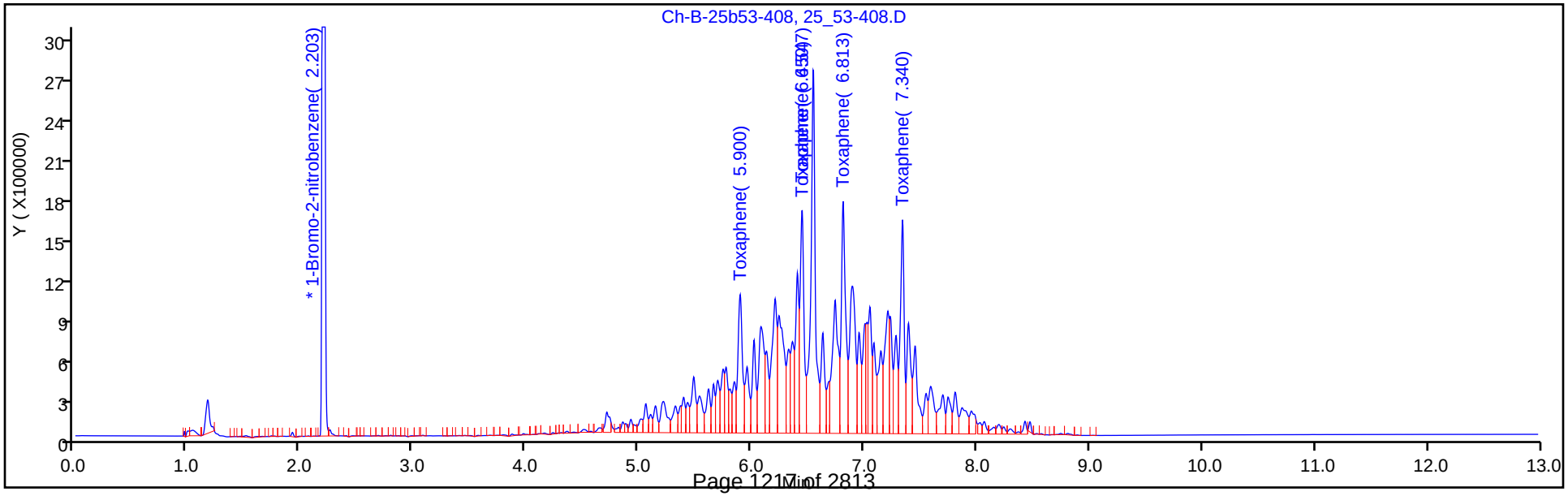
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-408.D				
Injection Date:	23-Dec-2021 13:22:56	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

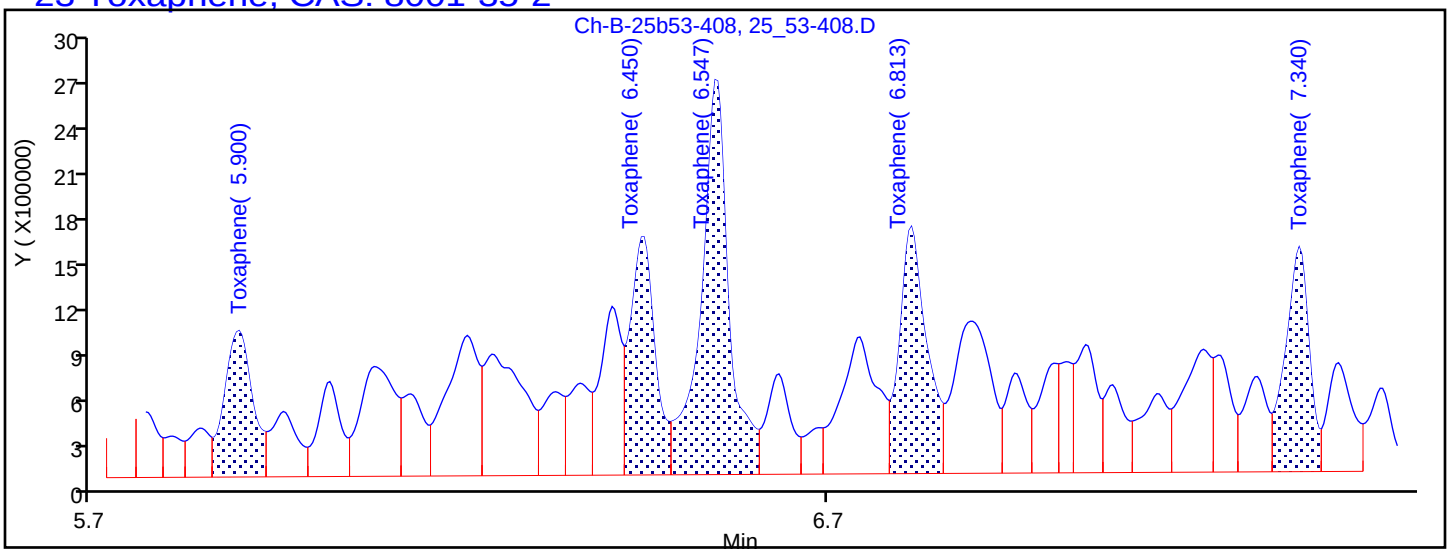


Report Date: 28-Dec-2021 10:13:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

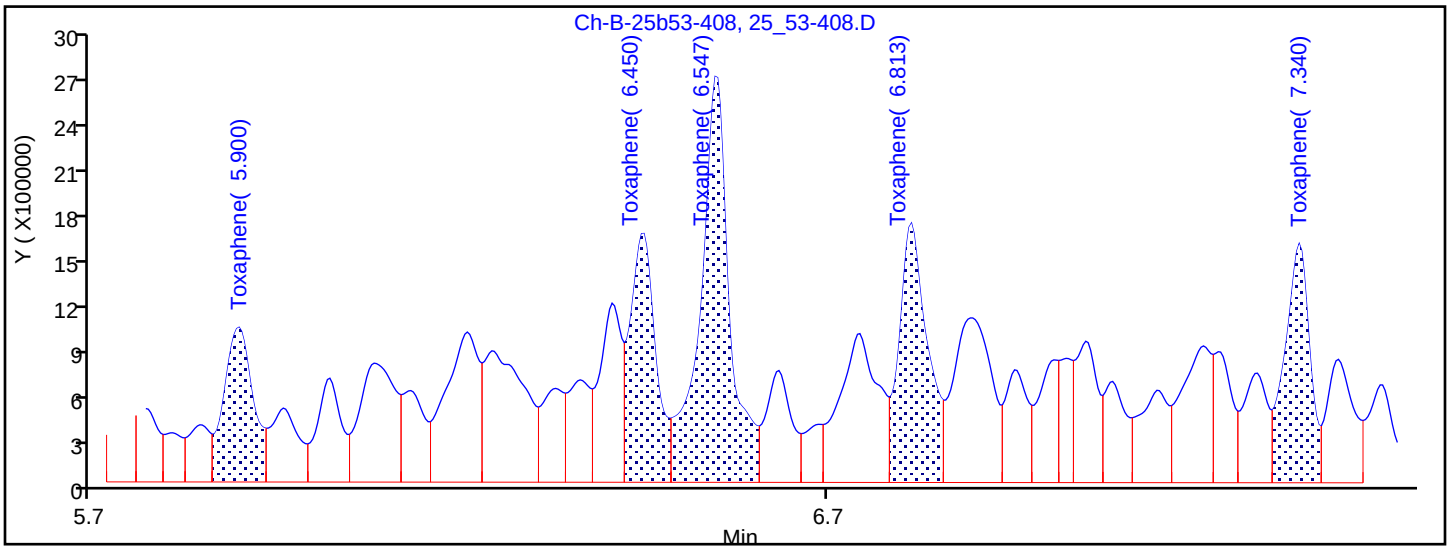
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-408.D				
Injection Date:	23-Dec-2021 13:22:56	Instrument ID:	HP6890-25		
Lims ID:	std1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.900	Response = 2513815
6.450	Response = 3590802
6.547	Response = 6756417
6.813	Response = 4098182
7.340	Response = 3266472



Manual Integration Results

5.900	Response = 2750119	M
6.450	Response = 3852496	M
6.547	Response = 7270285	M
6.813	Response = 4445067	M
7.340	Response = 3638281	M

Reviewer: NearyM, 23-Dec-2021 14:01:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D				
Lims ID:	std2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	23-Dec-2021 13:42:38	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:47	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				
First Level Reviewer: NearyM		Date:	23-Dec-2021 14:01:48		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	75162180	0.5000	0.5000	
2	2.203	2.203	0.000	27796788	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	9177686	1.00	1.00	M
1	5.657	5.657	0.000	13148560	1.00	1.02	M
1	5.883	5.883	0.000	7219456	1.00	1.02	M
1	6.217	6.217	0.000	7363428	1.00	1.00	M
1	6.310	6.313	-0.003	6492651	1.00	1.01	M
		Average of Peak Amounts =				1.01	
2	5.900	5.903	-0.003	1774706	1.00	1.00	M
2	6.447	6.450	-0.003	2424923	1.00	0.99	M
2	6.547	6.550	-0.003	4694564	1.00	1.01	M
2	6.813	6.813	0.000	2836313	1.00	1.00	M
2	7.340	7.343	-0.003	2294451	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.21	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

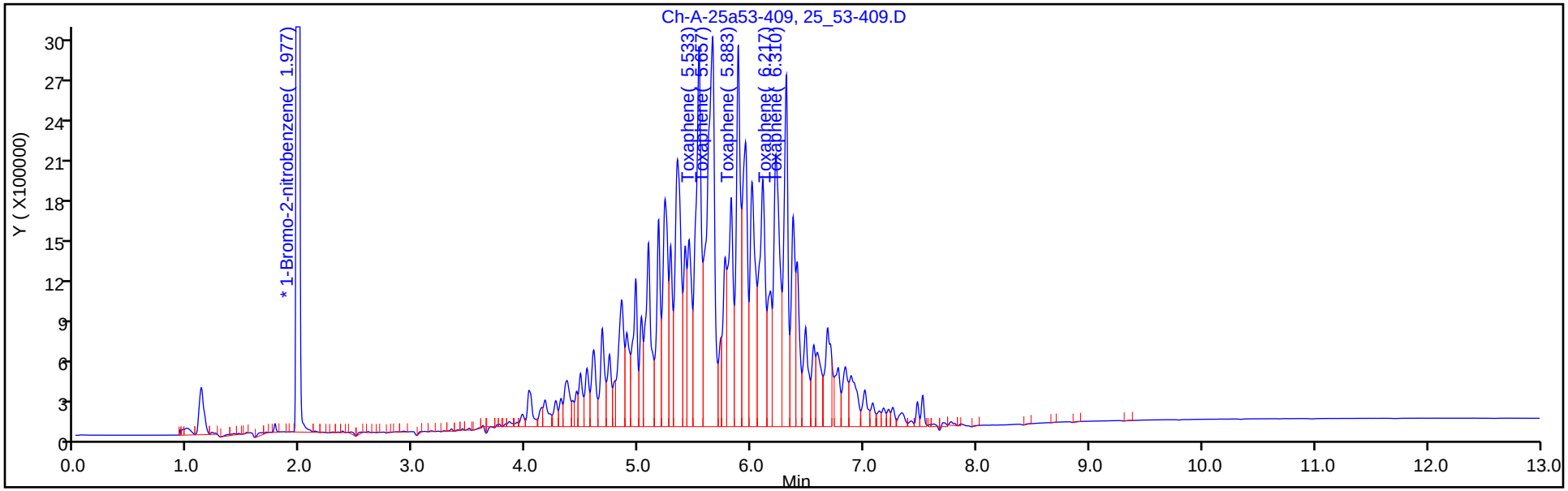
Tox 1.0ng_00022 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:48 Chrom Revision: 2.3 15-Nov-2021 20:34:30

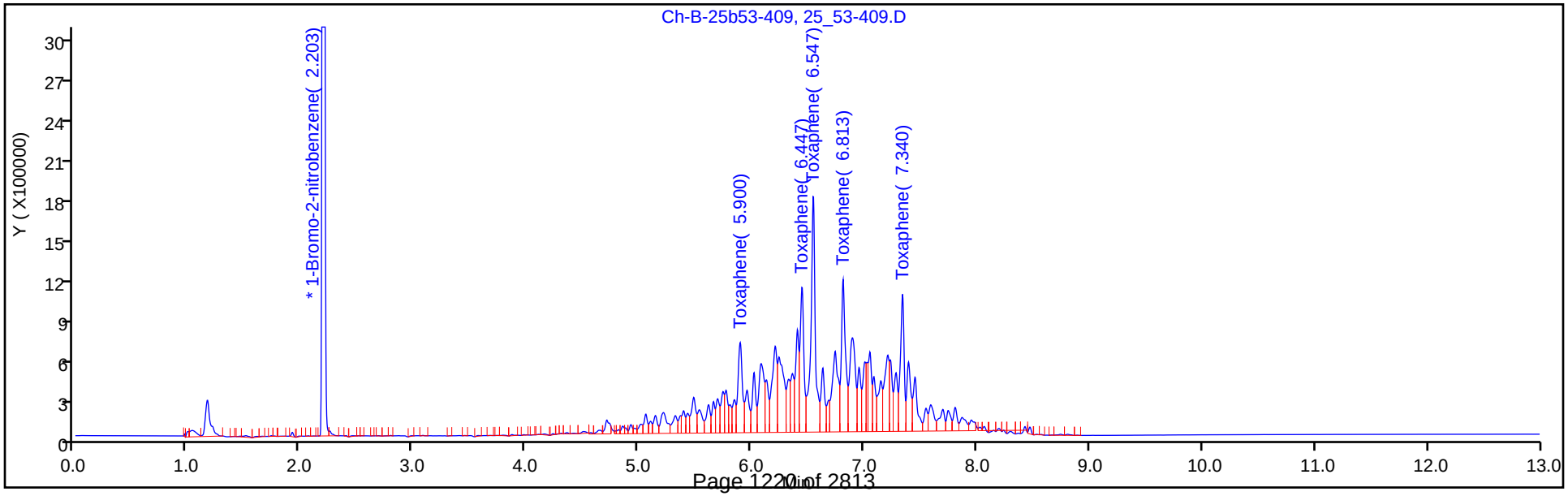
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D				
Injection Date:	23-Dec-2021 13:42:38	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

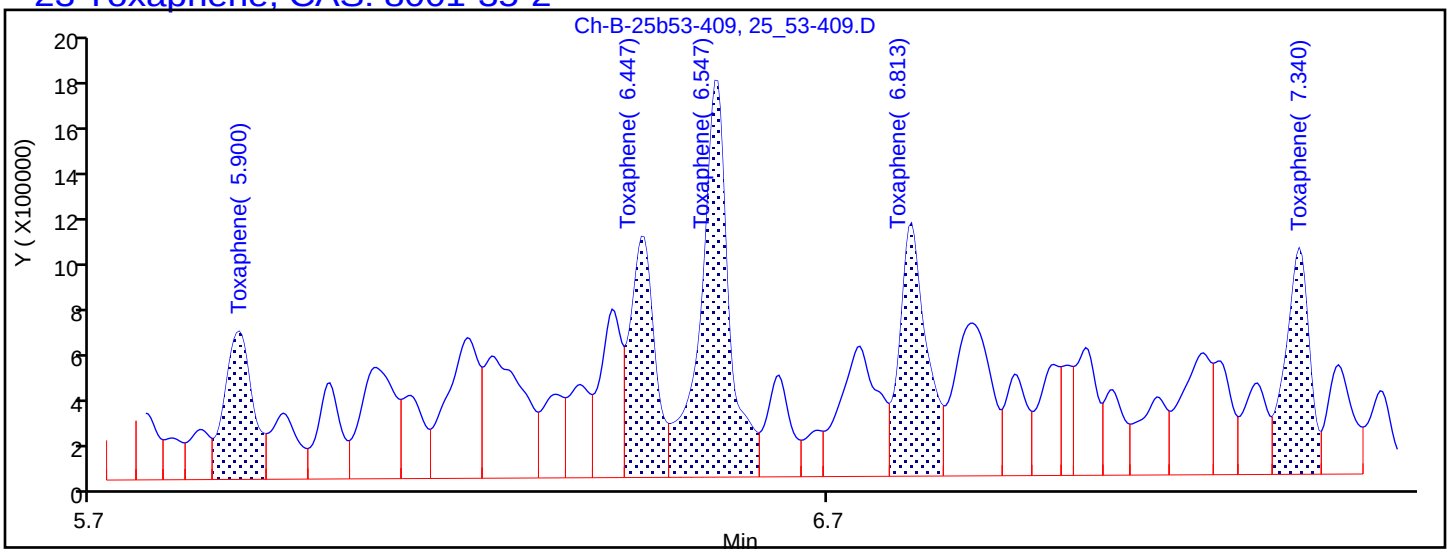


Report Date: 28-Dec-2021 10:13:48 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

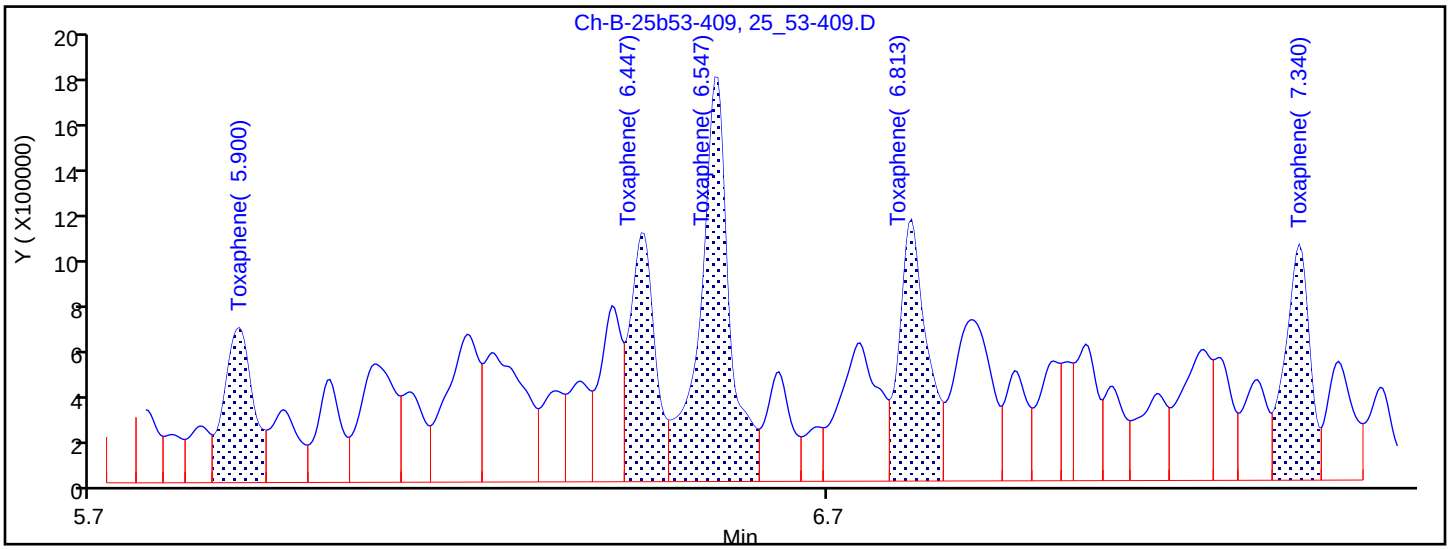
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-409.D				
Injection Date:	23-Dec-2021 13:42:38	Instrument ID:	HP6890-25		
Lims ID:	std2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.900	Response = 1652084
6.447	Response = 2309046
6.547	Response = 4451075
6.813	Response = 2682089
7.340	Response = 2138111



Manual Integration Results

5.900	Response = 1774706	M
6.447	Response = 2424923	M
6.547	Response = 4694564	M
6.813	Response = 2836313	M
7.340	Response = 2294451	M

Reviewer: NearyM, 23-Dec-2021 14:01:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-410.D				
Lims ID:	std3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Dec-2021 14:02:07	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:51	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.980	1.980	0.000	82655756	0.5000	0.5000	
2	2.207	2.207	0.000	29685507	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							
1	5.537	5.537	0.000	4476912	0.5000	0.4511	
1	5.657	5.657	0.000	6676037	0.5000	0.4741	
1	5.883	5.883	0.000	3593292	0.5000	0.4668	
1	6.217	6.217	0.000	3564811	0.5000	0.4515	
1	6.313	6.313	0.000	3117257	0.5000	0.4499	
		Average of Peak Amounts =				0.4587	
2	5.903	5.903	0.000	878974	0.5000	0.4779	
2	6.450	6.450	0.000	1190136	0.5000	0.4680	
2	6.550	6.550	0.000	2279029	0.5000	0.4707	
2	6.813	6.813	0.000	1397384	0.5000	0.4753	
2	7.343	7.343	0.000	1143946	0.5000	0.4763	
		Average of Peak Amounts =				0.4736	
						RPD = 3.21	

Reagents:

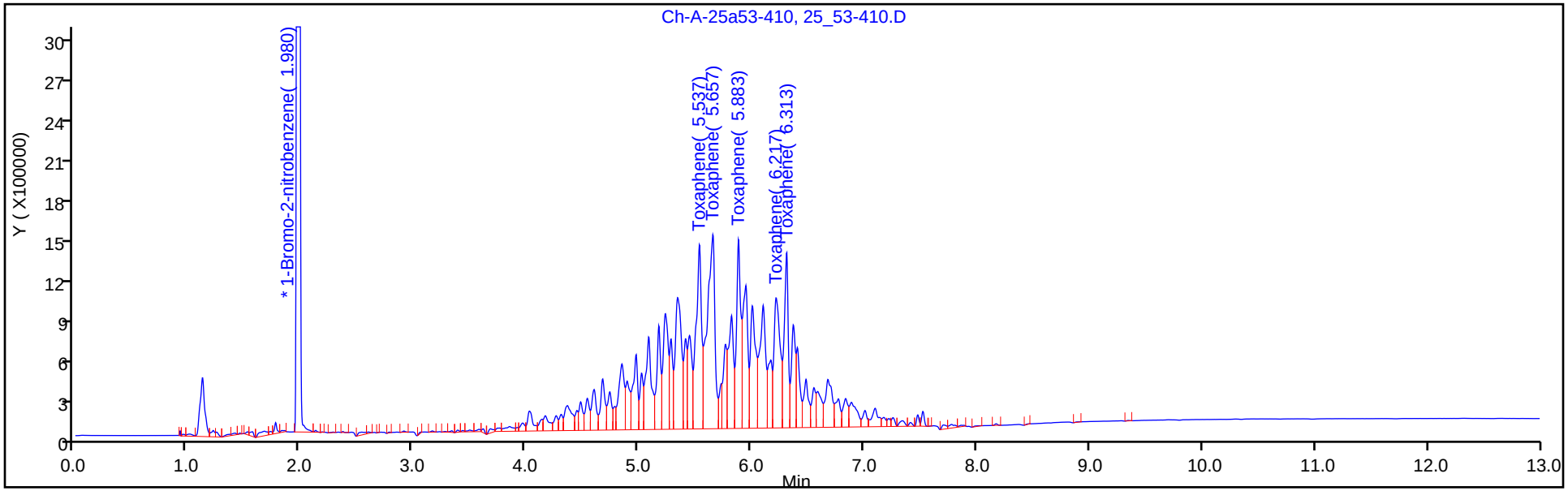
TOX_CCV_0.5_00167 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:52 Chrom Revision: 2.3 15-Nov-2021 20:34:30

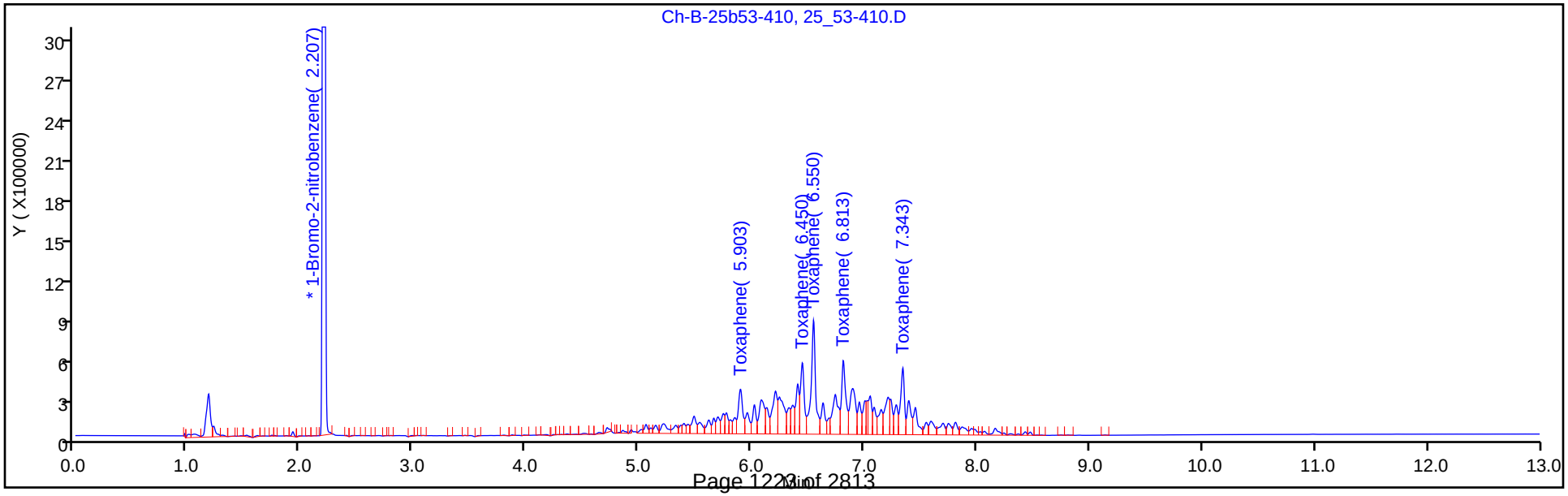
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-410.D				
Injection Date:	23-Dec-2021 14:02:07	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std3			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-411.D				
Lims ID:	std4				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	23-Dec-2021 14:21:47	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:55	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

First Level Reviewer: NearyM Date: 27-Dec-2021 09:15:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.980	-0.003	81547861	0.5000	0.5000	
2	2.203	2.207	-0.004	29456736	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.537	5.537	0.000	945286	0.1000	0.1046	M
1	5.657	5.657	0.000	1316650	0.1000	0.1015	M
1	5.883	5.883	0.000	711153	0.1000	0.1035	M
1	6.217	6.217	0.000	744334	0.1000	0.1085	M
1	6.310	6.313	-0.003	663720	0.1000	0.1102	M
		Average of Peak Amounts =				0.1057	
2	5.900	5.903	-0.003	156961	0.1000	0.1057	
2	6.450	6.450	0.000	215378	0.1000	0.1040	
2	6.550	6.550	0.000	390513	0.1000	0.1011	
2	6.813	6.813	0.000	237268	0.1000	0.1042	
2	7.340	7.343	-0.003	185202	0.1000	0.0989	
		Average of Peak Amounts =				0.1028	
						RPD = 2.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

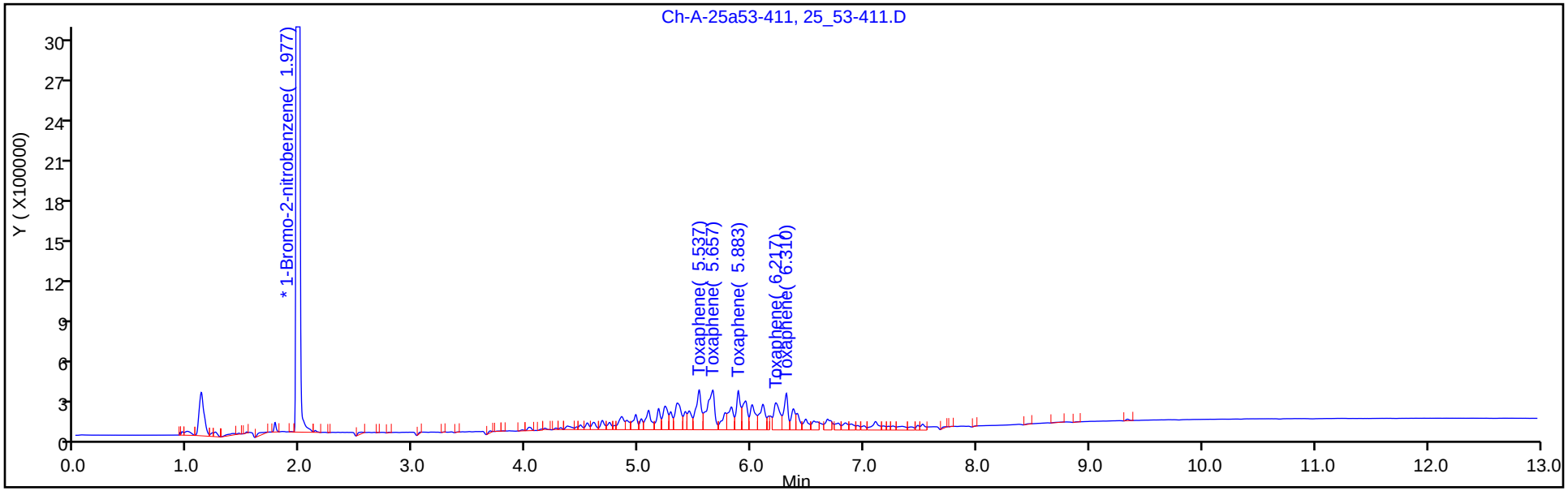
Tox 0.1ng_00025 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

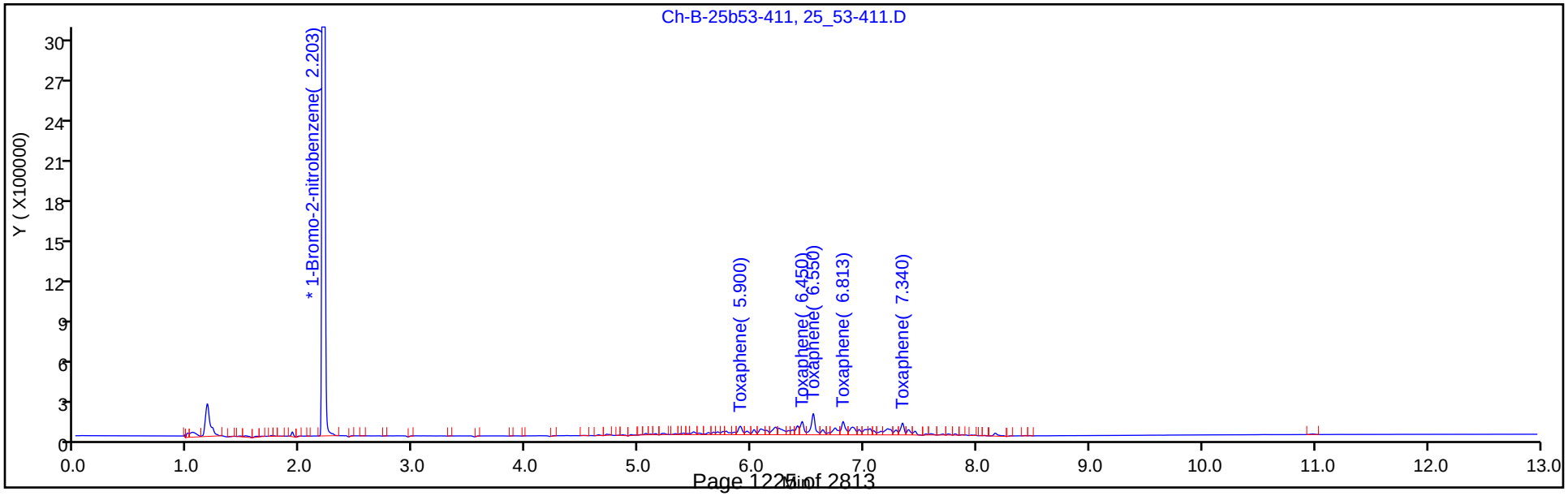
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-411.D				
Injection Date:	23-Dec-2021 14:21:47	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-412.D				
Lims ID:	std5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	23-Dec-2021 14:41:21	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub10				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	28-Dec-2021 10:13:58	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1609				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.980	-0.003	81145180	0.5000	0.5000	
2	2.203	2.207	-0.004	29299903	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							
1	5.537	5.537	0.000	407050	0.0500	0.0511	
1	5.657	5.657	0.000	596349	0.0500	0.0508	
1	5.883	5.883	0.000	294363	0.0500	0.0503	
1	6.217	6.217	0.000	263812	0.0500	0.0492	
1	6.310	6.313	-0.003	224043	0.0500	0.0484	
		Average of Peak Amounts =				0.0499	
2	5.900	5.903	-0.003	47302	0.0500	0.0487	
2	6.450	6.450	0.000	72927	0.0500	0.0504	
2	6.550	6.550	0.000	137996	0.0500	0.0514	
2	6.813	6.813	0.000	67937	0.0500	0.0497	
2	7.343	7.343	0.000	67602	0.0500	0.0523	
		Average of Peak Amounts =				0.0505	
						RPD = 1.12	

Reagents:

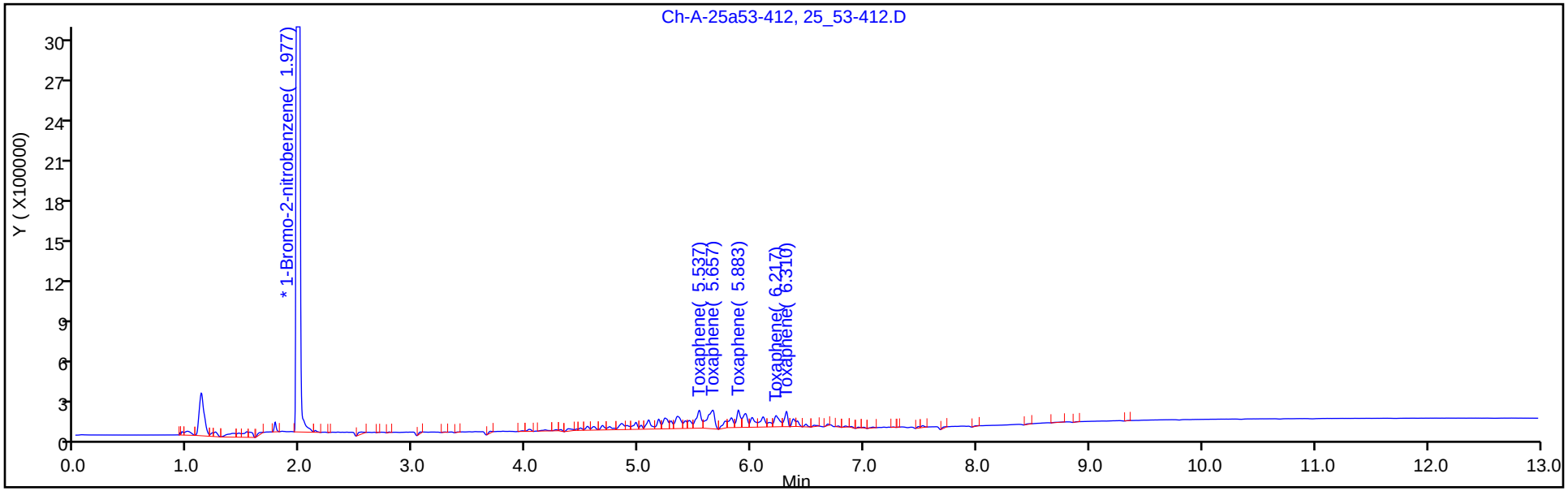
Tox 0.05ng_00024 Amount Added: 1.00 Units: mL

Report Date: 28-Dec-2021 10:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

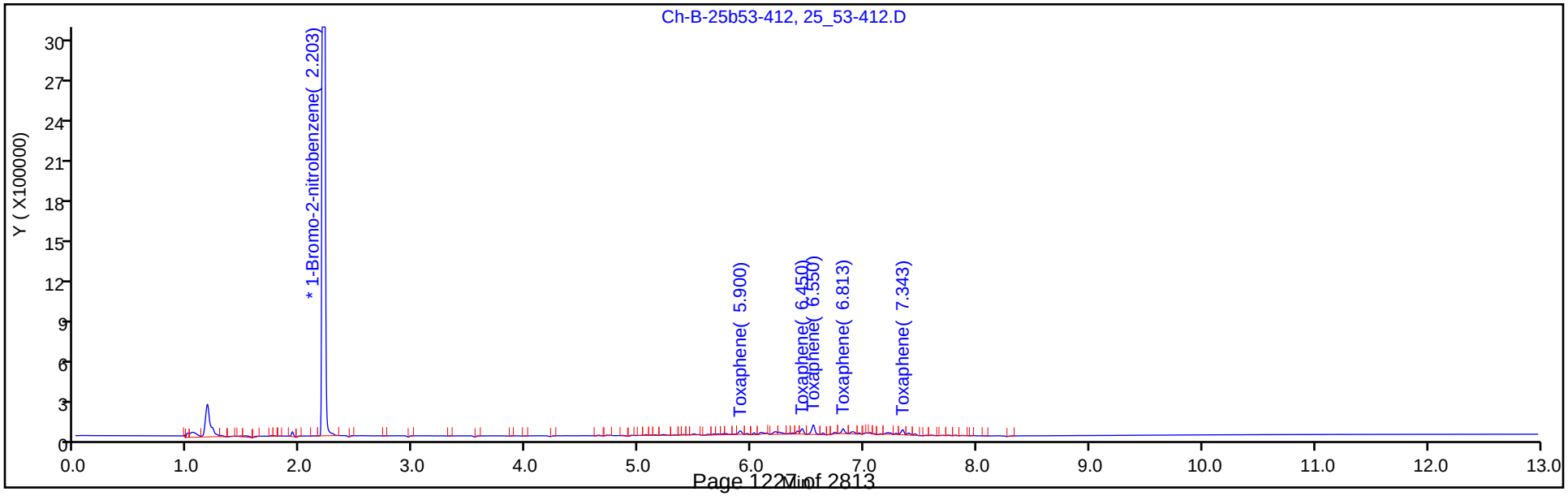
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-412.D				
Injection Date:	23-Dec-2021 14:41:21	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / Toxaphene Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

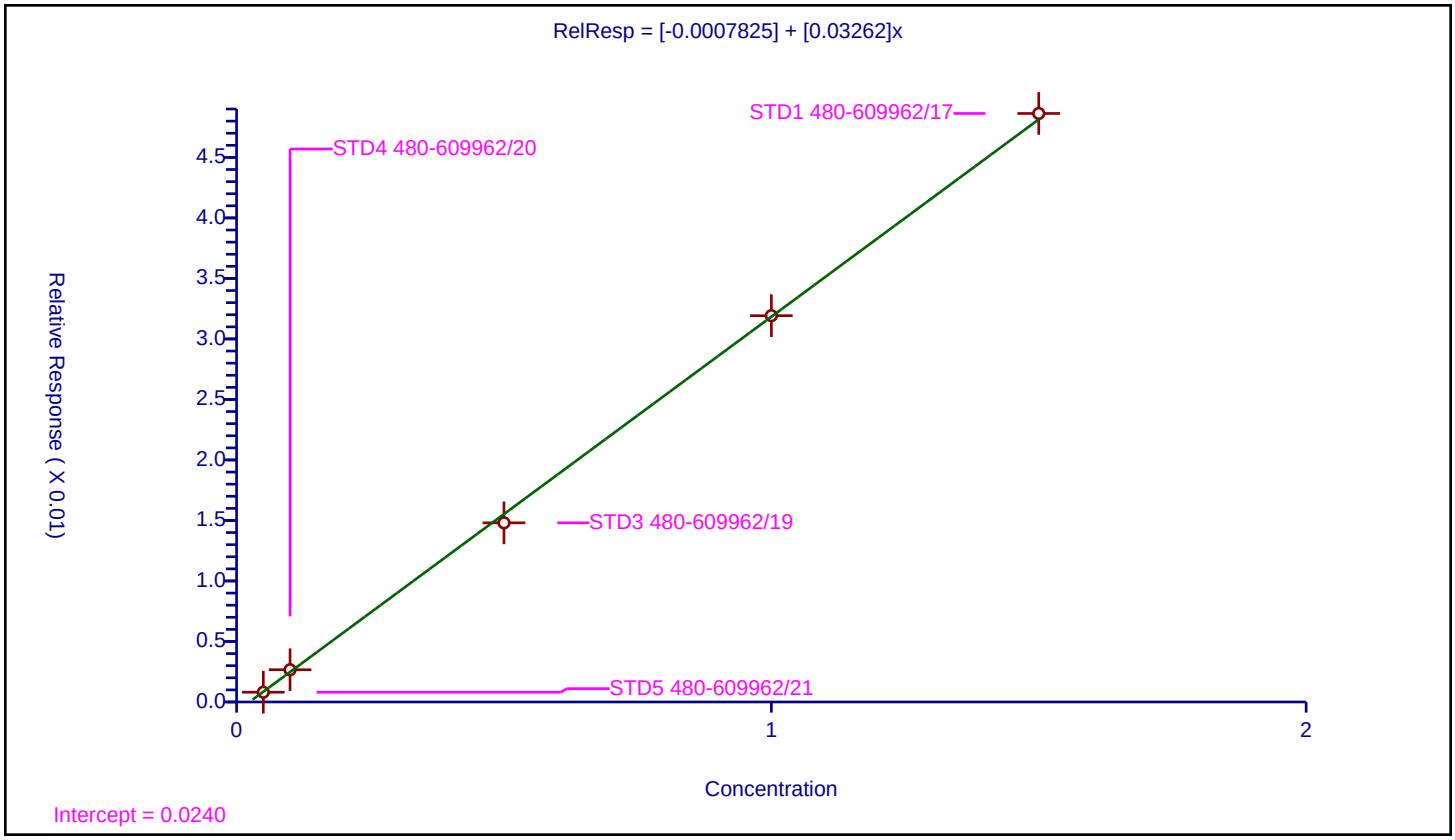
Curve Coefficients

Intercept:	-0.0007825
Slope:	0.03262

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.000807	0.5	29299903.0	0.016144	Y
2	STD4 480-609962/20	0.1	0.002664	0.5	29456736.0	0.026643	Y
3	STD3 480-609962/19	0.5	0.014805	0.5	29685507.0	0.02961	Y
4	STD2 480-609962/18	1.0	0.031923	0.5	27796788.0	0.031923	Y
5	STD1 480-609962/17	1.5	0.048631	0.5	28275360.0	0.032421	Y



Calibration / Toxaphene Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

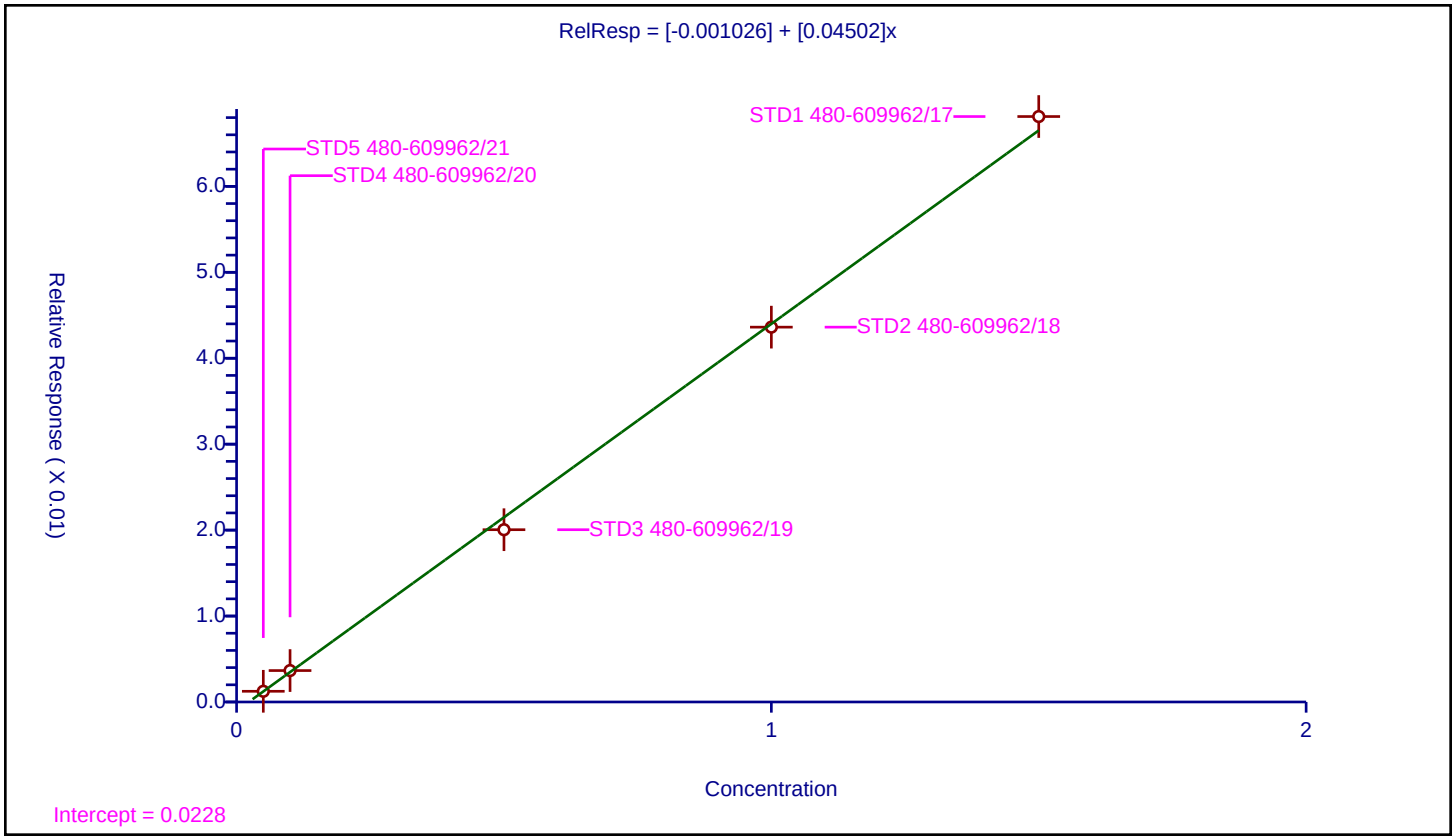
Curve Coefficients

Intercept:	-0.001026
Slope:	0.04502

Error Coefficients

Standard Error:	2720000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001244	0.5	29299903.0	0.02489	Y
2	STD4 480-609962/20	0.1	0.003656	0.5	29456736.0	0.036558	Y
3	STD3 480-609962/19	0.5	0.020046	0.5	29685507.0	0.040091	Y
4	STD2 480-609962/18	1.0	0.043619	0.5	27796788.0	0.043619	Y
5	STD1 480-609962/17	1.5	0.068125	0.5	28275360.0	0.045416	Y



Calibration / Toxaphene Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

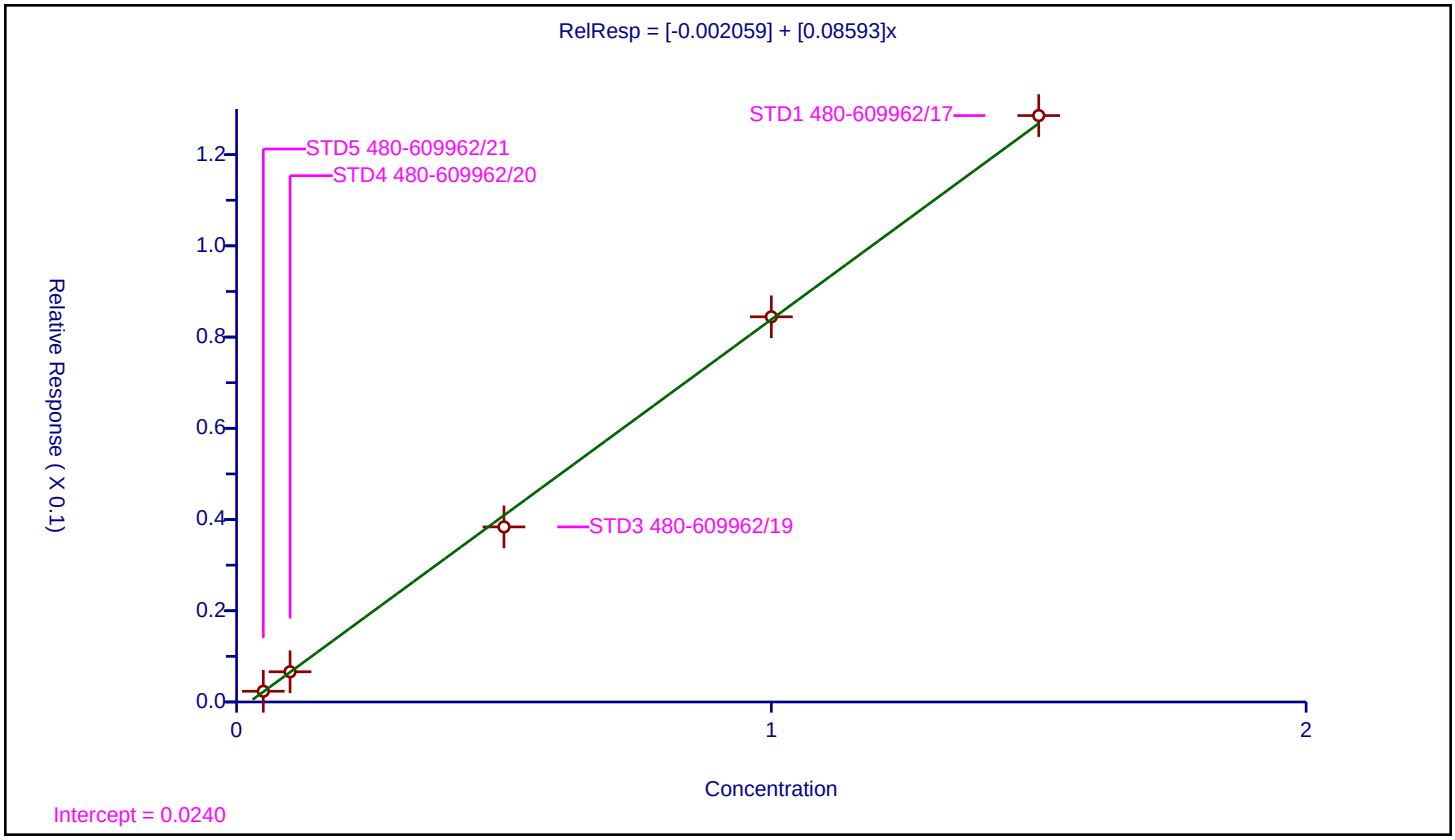
Curve Coefficients

Intercept:	-0.002059
Slope:	0.08593

Error Coefficients

Standard Error:	5170000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.002355	0.5	29299903.0	0.047098	Y
2	STD4 480-609962/20	0.1	0.006629	0.5	29456736.0	0.066286	Y
3	STD3 480-609962/19	0.5	0.038386	0.5	29685507.0	0.076772	Y
4	STD2 480-609962/18	1.0	0.084444	0.5	27796788.0	0.084444	Y
5	STD1 480-609962/17	1.5	0.128562	0.5	28275360.0	0.085708	Y



Calibration / Toxaphene Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

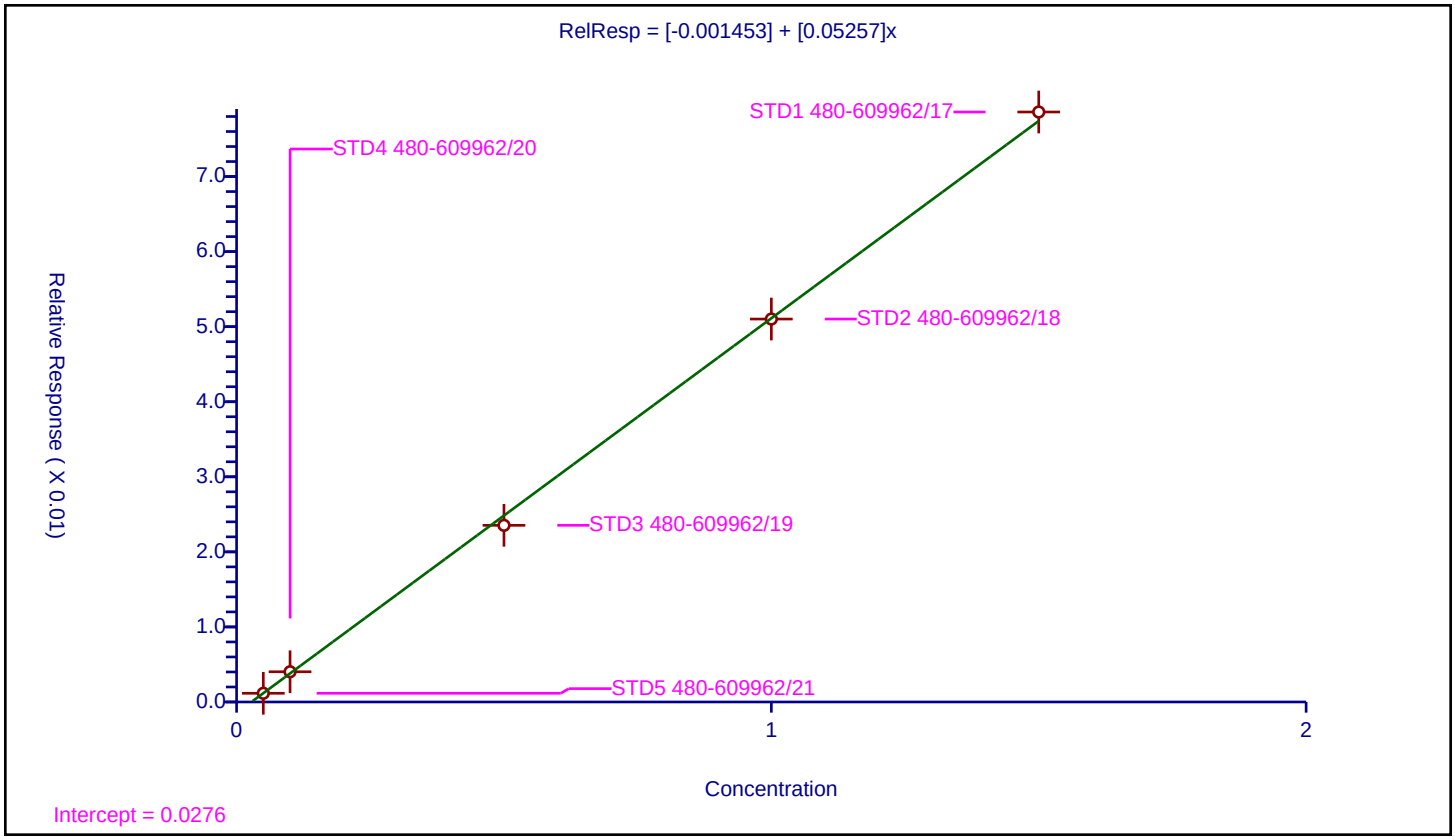
Curve Coefficients

Intercept:	-0.001453
Slope:	0.05257

Error Coefficients

Standard Error:	3150000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001159	0.5	29299903.0	0.023187	Y
2	STD4 480-609962/20	0.1	0.004027	0.5	29456736.0	0.040274	Y
3	STD3 480-609962/19	0.5	0.023536	0.5	29685507.0	0.047073	Y
4	STD2 480-609962/18	1.0	0.051019	0.5	27796788.0	0.051019	Y
5	STD1 480-609962/17	1.5	0.078603	0.5	28275360.0	0.052402	Y



Calibration / Toxaphene Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

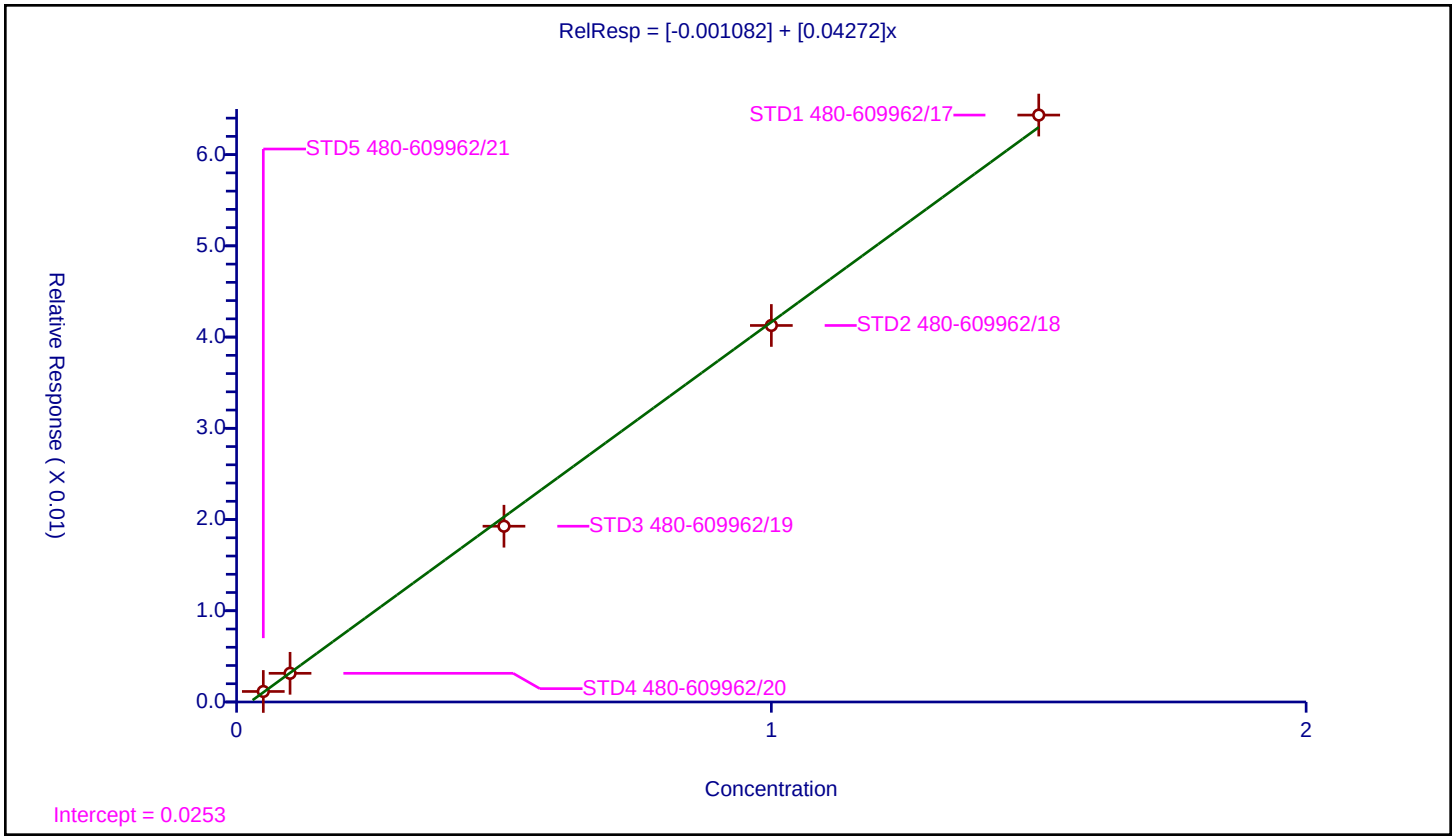
Curve Coefficients

Intercept:	-0.001082
Slope:	0.04272

Error Coefficients

Standard Error:	2570000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 480-609962/21	0.05	0.001154	0.5	29299903.0	0.023072	Y
2	STD4 480-609962/20	0.1	0.003144	0.5	29456736.0	0.031436	Y
3	STD3 480-609962/19	0.5	0.019268	0.5	29685507.0	0.038536	Y
4	STD2 480-609962/18	1.0	0.041272	0.5	27796788.0	0.041272	Y
5	STD1 480-609962/17	1.5	0.064337	0.5	28275360.0	0.042891	Y



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: PEM 480-617227/4 Calibration Date: 03/09/2022 08:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-082.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.19	12024754	0.82	15	
Endrin aldehyde	5.85	54626			
Endrin ketone	6.57	44440			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.55	21138258	0.87	15	
4,4'-DDD	5.27	139379			
4,4'-DDE	4.66	46200			

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-082.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 09-Mar-2022 08:03:01 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:04 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.903	0.007	92957415	0.5000	0.5000	
2	2.140	2.133	0.007	28855682	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.417	2.420	-0.003	2633534	0.0200	0.0211	
2	2.833	2.833	0.000	1446980	0.0200	0.0210	
						RPD = 0.30	
5 alpha-BHC							
1	2.823	2.827	-0.004	3419271	0.0100	0.0099	
2	3.367	3.367	0.000	1126342	0.0100	0.0101	
						RPD = 1.73	
6 gamma-BHC (Lindane)							
1	3.073	3.073	0.000	3099237	0.0100	0.009881	
2	3.707	3.707	0.000	1034679	0.0100	0.0102	
						RPD = 3.58	
7 beta-BHC							
1	3.140	3.143	-0.003	1215416	0.0100	0.0104	
2	3.777	3.777	0.000	449335	0.0100	0.0103	
						RPD = 1.18	
17 4,4'-DDE							
1	4.663	4.667	-0.004	46200		-0.000458	
2	5.630	5.627	0.003	13406		0.000269	
						RPD = -770.86	
22 Endrin							
1	5.190	5.193	-0.003	12024754	0.0500	0.0550	
2	6.137	6.133	0.004	4172627	0.0500	0.0527	
						RPD = 4.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
24 4,4'-DDD							
1	5.273	5.273	0.000	139379		0.000101	
2	6.237	6.227	0.010	86098		0.001427	
						RPD = 173.52	
27 4,4'-DDT							
1	5.553	5.557	-0.004	21138258	0.1000	0.1085	
2	6.553	6.553	0.000	7009598	0.1000	0.1090	
						RPD = 0.40	
28 Endrin aldehyde							
1	5.850	5.850	0.000	54626		-0.000994	
2	6.693	6.693	0.000	22516		-0.000216	
						RPD = -128.54	
29 Methoxychlor							E
1	6.060	6.060	0.000	21124863	0.2500	0.2375	E
2	7.240	7.240	0.000	8682673	0.2500	0.2781	E
						RPD = 15.78	
32 Endrin ketone							
1	6.570	6.570	0.000	44440		-0.000320	
2	7.527	7.523	0.004	15739		0.000478	
						RPD = 1011.71	
$ 33 DCB Decachlorobiphenyl							
1	7.583	7.583	0.000	3031363	0.0200	0.0189	
2	8.727	8.727	0.000	1289657	0.0200	0.0201	
						RPD = 6.15	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

PEST_PEM_00213 Amount Added: 1.00 Units: mL

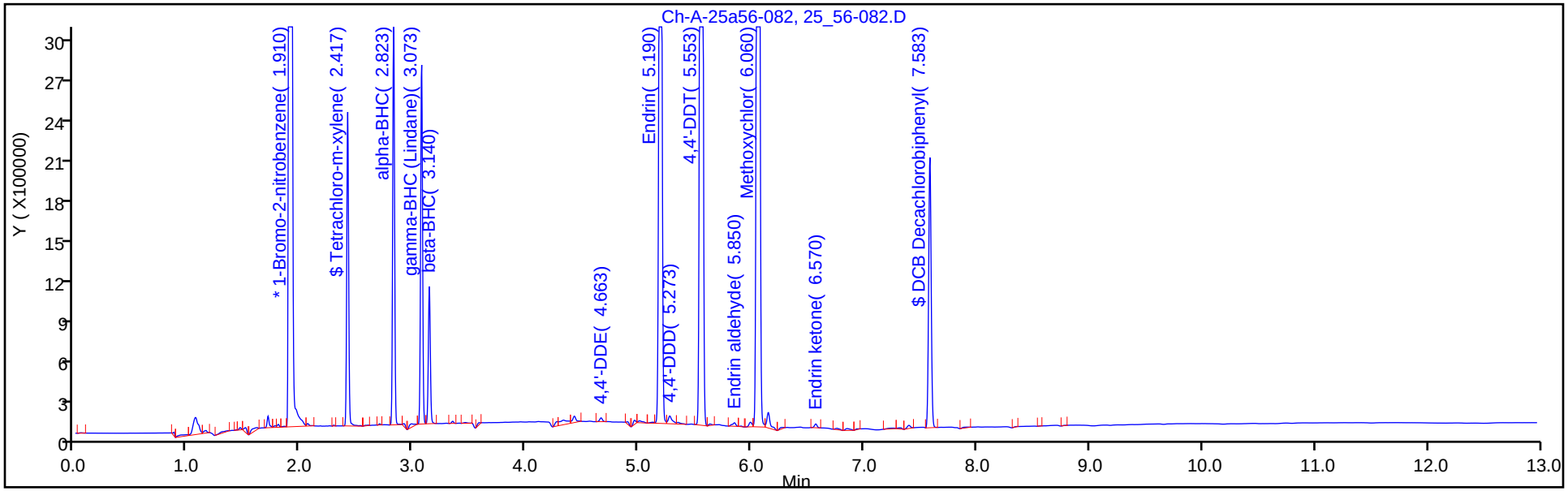
Report Date: 09-Mar-2022 13:14:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

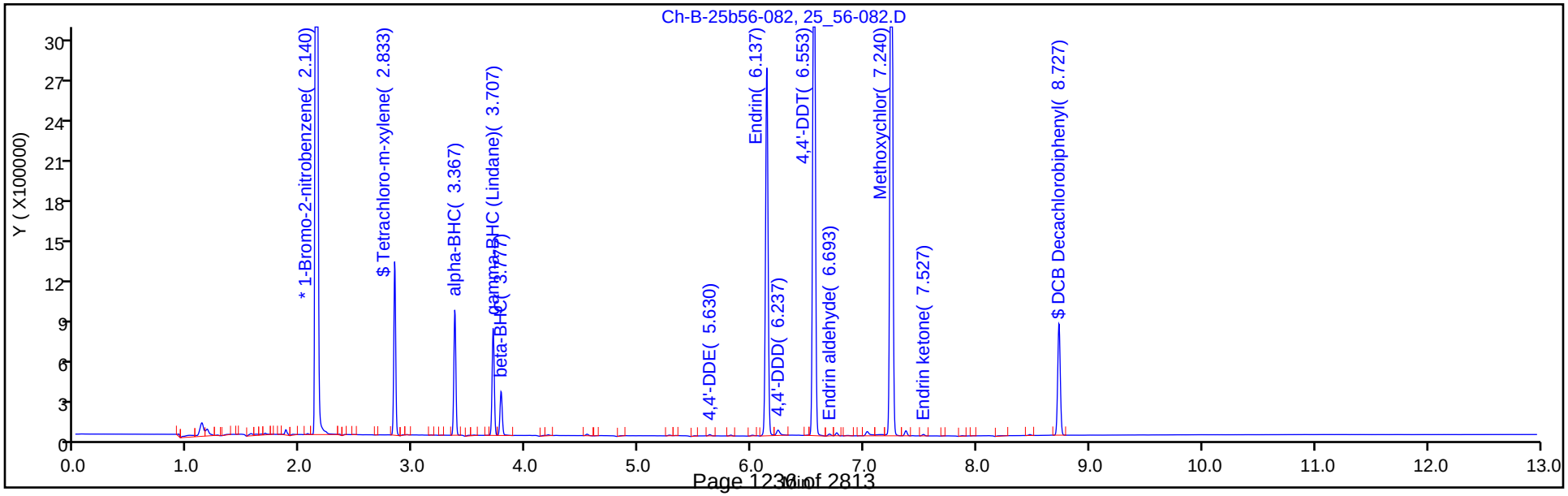
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-082.D

Injection Date:	09-Mar-2022 08:03:01	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	pem			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: PEM 480-617227/4 Calibration Date: 03/09/2022 08:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-082.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.14	4172627	0.91	15	
Endrin aldehyde	6.69	22516			
Endrin ketone	7.53	15739			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	6.55	7009598	1.40	15	
4,4'-DDD	6.24	86098			
4,4'-DDE	5.63	13406			

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-082.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 09-Mar-2022 08:03:01 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:04 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.903	0.007	92957415	0.5000	0.5000	
2	2.140	2.133	0.007	28855682	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.417	2.420	-0.003	2633534	0.0200	0.0211	
2	2.833	2.833	0.000	1446980	0.0200	0.0210	
						RPD = 0.30	
5 alpha-BHC							
1	2.823	2.827	-0.004	3419271	0.0100	0.0099	
2	3.367	3.367	0.000	1126342	0.0100	0.0101	
						RPD = 1.73	
6 gamma-BHC (Lindane)							
1	3.073	3.073	0.000	3099237	0.0100	0.009881	
2	3.707	3.707	0.000	1034679	0.0100	0.0102	
						RPD = 3.58	
7 beta-BHC							
1	3.140	3.143	-0.003	1215416	0.0100	0.0104	
2	3.777	3.777	0.000	449335	0.0100	0.0103	
						RPD = 1.18	
17 4,4'-DDE							
1	4.663	4.667	-0.004	46200		-0.000458	
2	5.630	5.627	0.003	13406		0.000269	
						RPD = -770.86	
22 Endrin							
1	5.190	5.193	-0.003	12024754	0.0500	0.0550	
2	6.137	6.133	0.004	4172627	0.0500	0.0527	
						RPD = 4.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
24 4,4'-DDD							
1	5.273	5.273	0.000	139379		0.000101	
2	6.237	6.227	0.010	86098		0.001427	
						RPD = 173.52	
27 4,4'-DDT							
1	5.553	5.557	-0.004	21138258	0.1000	0.1085	
2	6.553	6.553	0.000	7009598	0.1000	0.1090	
						RPD = 0.40	
28 Endrin aldehyde							
1	5.850	5.850	0.000	54626		-0.000994	
2	6.693	6.693	0.000	22516		-0.000216	
						RPD = -128.54	
29 Methoxychlor							E
1	6.060	6.060	0.000	21124863	0.2500	0.2375	E
2	7.240	7.240	0.000	8682673	0.2500	0.2781	E
						RPD = 15.78	
32 Endrin ketone							
1	6.570	6.570	0.000	44440		-0.000320	
2	7.527	7.523	0.004	15739		0.000478	
						RPD = 1011.71	
$ 33 DCB Decachlorobiphenyl							
1	7.583	7.583	0.000	3031363	0.0200	0.0189	
2	8.727	8.727	0.000	1289657	0.0200	0.0201	
						RPD = 6.15	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

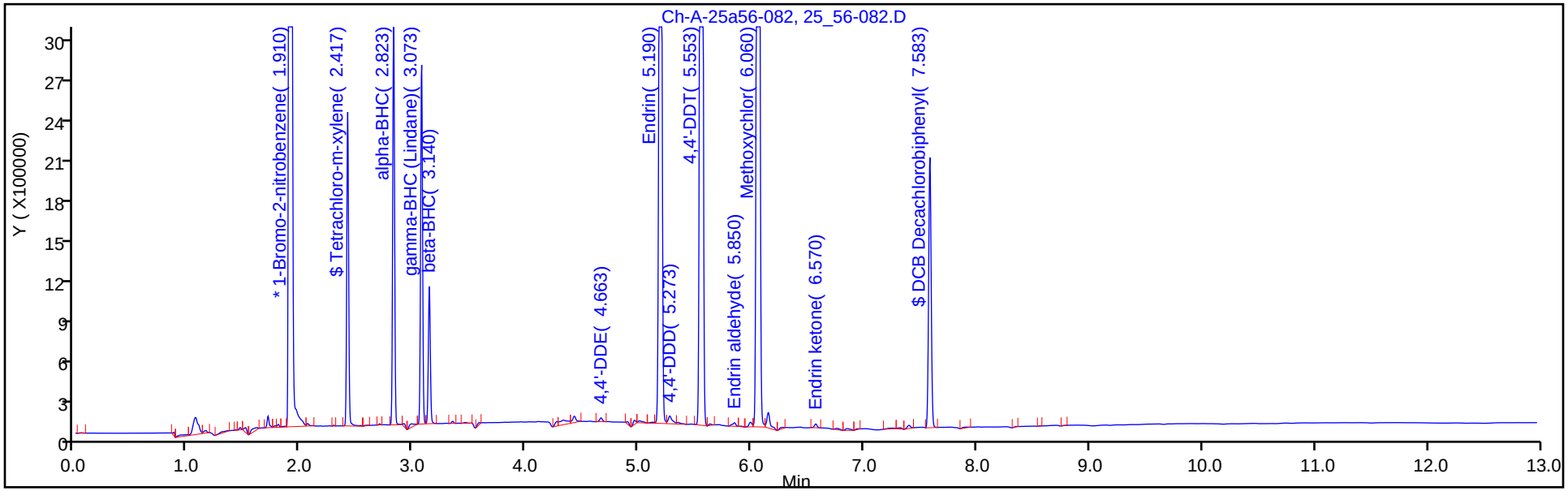
PEST_PEM_00213 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 13:14:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

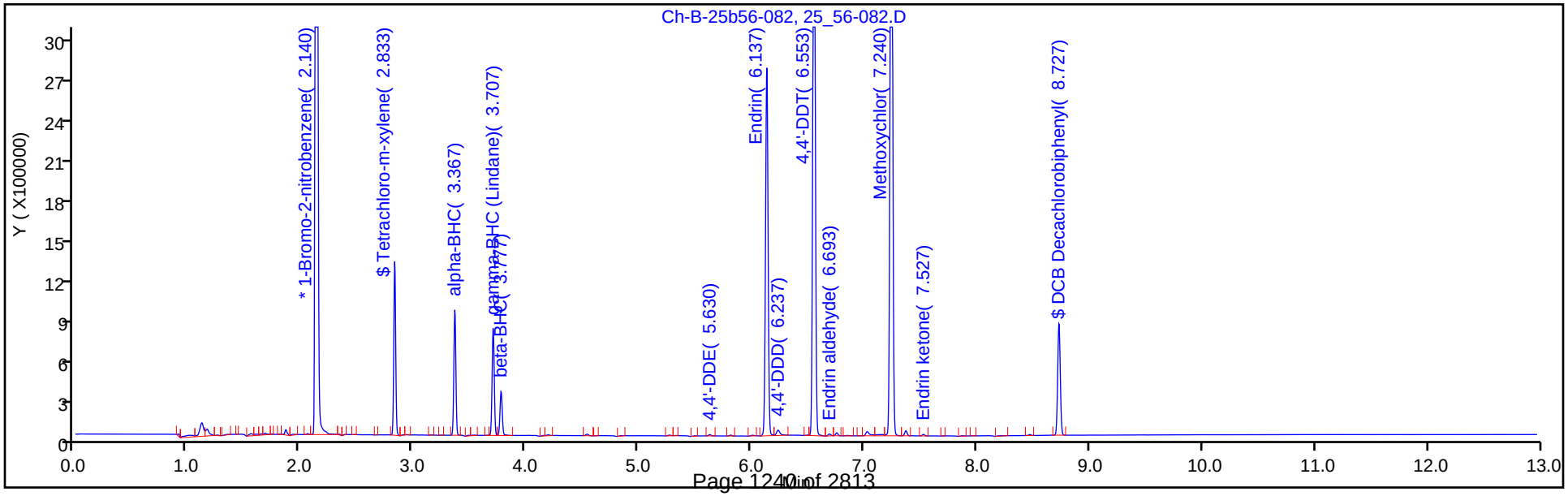
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-082.D				
Injection Date:	09-Mar-2022 08:03:01	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	pem			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/10 Calibration Date: 12/23/2021 11:05

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_53-401.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		1.959		0.0528	0.0500	5.5	20.0
gamma-BHC (Lindane)	Lin1		1.791		0.0539	0.0500	7.7	20.0
beta-BHC	Lin1		0.6591		0.0558	0.0500	11.6	20.0
delta-BHC	Lin1		1.725		0.0526	0.0500	5.1	20.0
Heptachlor	Lin1		1.577		0.0570	0.0500	14.1	20.0
Aldrin	Lin1		1.574		0.0539	0.0500	7.8	20.0
Heptachlor epoxide	Lin1		1.362		0.0582	0.0500	16.5	20.0
trans-Chlordane	Lin1		1.550		0.0568	0.0500	13.5	20.0
cis-Chlordane	Lin1		1.401		0.0550	0.0500	9.9	20.0
4,4'-DDE	Lin1		1.362		0.0545	0.0500	9.0	20.0
Endosulfan I	Lin1		1.238		0.0573	0.0500	14.6	20.0
Dieldrin	Lin1		1.441		0.0565	0.0500	13.0	20.0
Endrin	Lin1		1.369		0.0583	0.0500	16.6	20.0
4,4'-DDD	Lin1		1.122		0.0548	0.0500	9.5	20.0
Endosulfan II	Lin1		1.103		0.0559	0.0500	11.8	20.0
4,4'-DDT	Lin1		1.159		0.0551	0.0500	10.1	20.0
Endrin aldehyde	Lin1		0.9194		0.0573	0.0500	14.7	20.0
Methoxychlor	Lin1		0.5367		0.0555	0.0500	11.0	20.0
Endosulfan sulfate	Lin1		1.127		0.0552	0.0500	10.5	20.0
Endrin ketone	Lin1		1.148		0.0541	0.0500	8.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/10 Calibration Date: 12/23/2021 11:05

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_53-401.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.91	2.88	2.94
gamma-BHC (Lindane)	3.17	3.13	3.19
beta-BHC	3.24	3.20	3.26
delta-BHC	3.39	3.36	3.42
Heptachlor	3.57	3.54	3.60
Aldrin	3.85	3.82	3.88
Heptachlor epoxide	4.44	4.41	4.47
trans-Chlordane	4.56	4.53	4.59
cis-Chlordane	4.70	4.67	4.73
4,4'-DDE	4.78	4.75	4.81
Endosulfan I	4.84	4.80	4.86
Dieldrin	5.08	5.05	5.11
Endrin	5.31	5.28	5.34
4,4'-DDD	5.39	5.36	5.42
Endosulfan II	5.54	5.51	5.57
4,4'-DDT	5.67	5.64	5.70
Endrin aldehyde	5.97	5.94	6.00
Methoxychlor	6.17	6.14	6.20
Endosulfan sulfate	6.42	6.38	6.44
Endrin ketone	6.70	6.66	6.72

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-401.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Dec-2021 11:05:47 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 29-Dec-2021 11:46:48 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1619

First Level Reviewer: NearyM Date: 23-Dec-2021 11:38:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	77016675	0.5000	0.5000	
2	2.203	2.203	0.000	28860128	0.5000	0.5000	
						RPD = 0.00	
5 alpha-BHC							
1	2.913	2.910	0.003	15087730	0.0500	0.0528	
2	3.453	3.457	-0.004	6068307	0.0500	0.0538	
						RPD = 1.94	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	13797479	0.0500	0.0539	
2	3.803	3.803	0.000	5458873	0.0500	0.0542	
						RPD = 0.53	
7 beta-BHC							
1	3.237	3.233	0.004	5076175	0.0500	0.0558	
2	3.873	3.873	0.000	2266883	0.0500	0.0550	
						RPD = 1.43	
8 delta-BHC							
1	3.390	3.387	0.003	13287149	0.0500	0.0526	
2	4.183	4.187	-0.004	5352460	0.0500	0.0538	
						RPD = 2.33	
10 Heptachlor							
1	3.570	3.570	0.000	12144412	0.0500	0.0570	
2	4.270	4.273	-0.003	5394814	0.0500	0.0552	
						RPD = 3.32	
11 Aldrin							
1	3.847	3.847	0.000	12124971	0.0500	0.0539	
2	4.620	4.623	-0.003	5211056	0.0500	0.0525	
						RPD = 2.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
13 Heptachlor epoxide							
1	4.440	4.440	0.000	10491337	0.0500	0.0582	
2	5.220	5.223	-0.003	4500356	0.0500	0.0555	
						RPD = 4.83	
15 trans-Chlordane							
1	4.563	4.560	0.003	11935399	0.0500	0.0568	
2	5.420	5.423	-0.003	4633618	0.0500	0.0548	
						RPD = 3.51	
16 cis-Chlordane							
1	4.697	4.697	0.000	10790672	0.0500	0.0550	
2	5.573	5.577	-0.004	4041174	0.0500	0.0546	
						RPD = 0.65	
17 4,4'-DDE							
1	4.777	4.777	0.000	10485852	0.0500	0.0545	
2	5.733	5.737	-0.004	4556678	0.0500	0.0531	
						RPD = 2.63	
18 Endosulfan I							
1	4.837	4.833	0.004	9535251	0.0500	0.0573	
2	5.640	5.643	-0.003	4159529	0.0500	0.0545	
						RPD = 5.13	
20 Dieldrin							
1	5.077	5.077	0.000	11098499	0.0500	0.0565	
2	5.927	5.930	-0.003	4527244	0.0500	0.0534	
						RPD = 5.63	
22 Endrin							
1	5.313	5.313	0.000	10542627	0.0500	0.0583	
2	6.247	6.247	0.000	4331887	0.0500	0.0547	
						RPD = 6.33	
24 4,4'-DDD							
1	5.387	5.387	0.000	8639080	0.0500	0.0548	
2	6.333	6.337	-0.004	3593855	0.0500	0.0525	
						RPD = 4.29	
26 Endosulfan II							
1	5.543	5.540	0.003	8496246	0.0500	0.0559	
2	6.460	6.463	-0.003	3787069	0.0500	0.0541	
						RPD = 3.26	
27 4,4'-DDT							
1	5.673	5.670	0.003	8924366	0.0500	0.0551	
2	6.660	6.663	-0.003	3237109	0.0500	0.0513	
						RPD = 7.15	
28 Endrin aldehyde							
1	5.973	5.970	0.003	7081086	0.0500	0.0573	
2	6.803	6.807	-0.004	2977027	0.0500	0.0550	
						RPD = 4.23	
29 Methoxychlor							
1	6.173	6.173	0.000	4133173	0.0500	0.0555	
2	7.343	7.347	-0.004	1593491	0.0500	0.0524	
						RPD = 5.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
31 Endosulfan sulfate							
1	6.417	6.413	0.004	8682122	0.0500	0.0552	
2	7.087	7.090	-0.003	3474727	0.0500	0.0529	
						RPD = 4.34	
32 Endrin ketone							
1	6.697	6.693	0.004	8842597	0.0500	0.0541	
2	7.637	7.640	-0.003	3649445	0.0500	0.0547	
						RPD = 1.13	

QC Flag Legend

Processing Flags

Reagents:

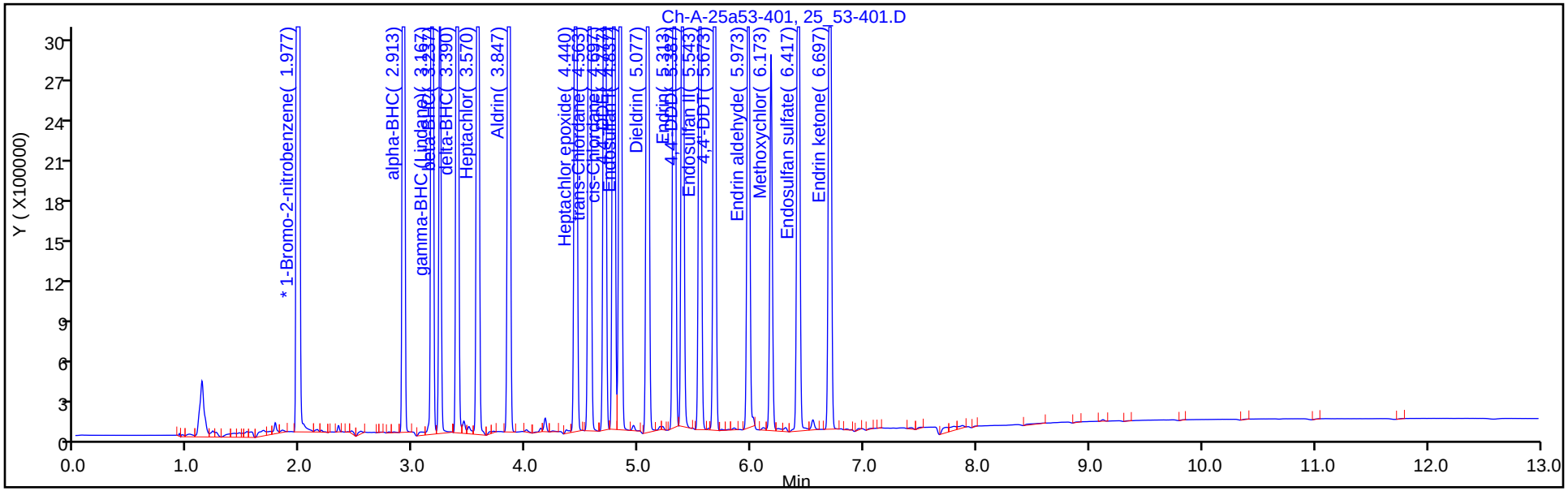
PEST_ICV_.05_00046 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:30 Chrom Revision: 2.3 28-Dec-2021 14:15:12

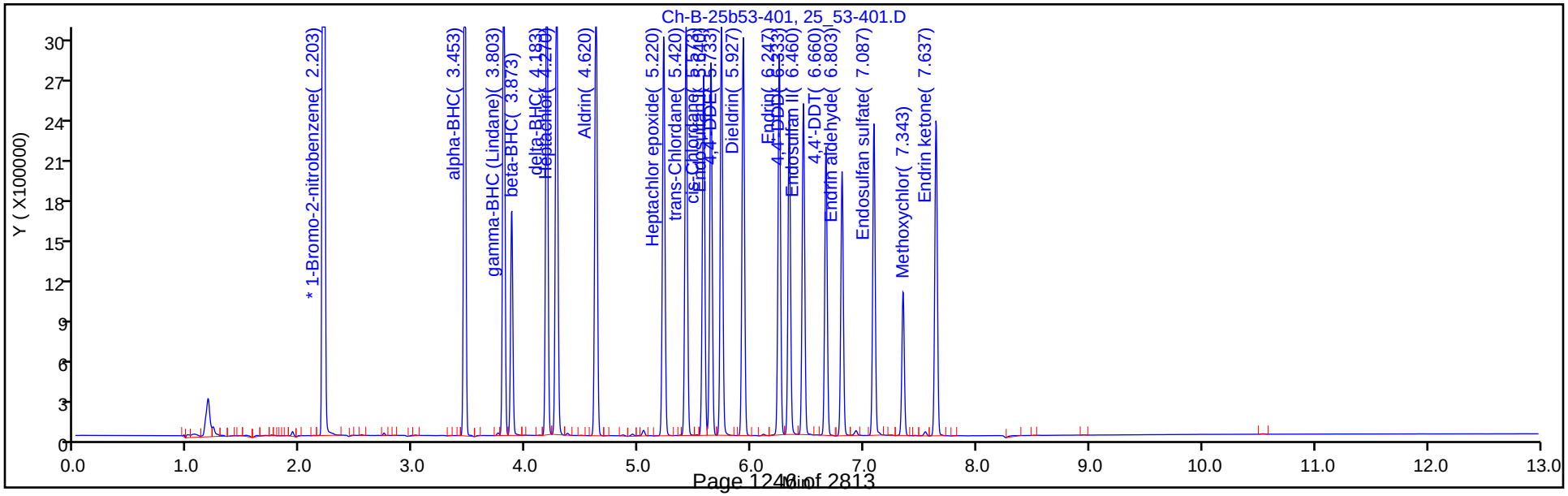
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-401.D				
Injection Date:	23-Dec-2021 11:05:47	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/10 Calibration Date: 12/23/2021 11:05

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_53-401.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.103		0.0538	0.0500	7.6	20.0
gamma-BHC (Lindane)	Lin1		1.891		0.0542	0.0500	8.3	20.0
beta-BHC	Lin1		0.7855		0.0550	0.0500	10.0	20.0
delta-BHC	Lin1		1.855		0.0538	0.0500	7.6	20.0
Heptachlor	Lin1		1.869		0.0552	0.0500	10.3	20.0
Aldrin	Lin1		1.806		0.0525	0.0500	5.0	20.0
Heptachlor epoxide	Lin1		1.559		0.0555	0.0500	11.0	20.0
trans-Chlordane	Lin1		1.606		0.0548	0.0500	9.6	20.0
cis-Chlordane	Lin1		1.400		0.0546	0.0500	9.2	20.0
Endosulfan I	Lin1		1.441		0.0545	0.0500	8.9	20.0
4,4'-DDE	Lin1		1.579		0.0531	0.0500	6.2	20.0
Dieldrin	Lin1		1.569		0.0534	0.0500	6.8	20.0
Endrin	Lin1		1.501		0.0547	0.0500	9.5	20.0
4,4'-DDD	Lin1		1.245		0.0525	0.0500	4.9	20.0
Endosulfan II	Lin1		1.312		0.0541	0.0500	8.2	20.0
4,4'-DDT	Lin1		1.122		0.0513	0.0500	2.5	20.0
Endrin aldehyde	Lin1		1.032		0.0550	0.0500	9.9	20.0
Endosulfan sulfate	Lin1		1.204		0.0529	0.0500	5.8	20.0
Methoxychlor	Lin1		0.5521		0.0524	0.0500	4.7	20.0
Endrin ketone	Lin1		1.265		0.0547	0.0500	9.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/10 Calibration Date: 12/23/2021 11:05

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_53-401.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.45	3.43	3.49
gamma-BHC (Lindane)	3.80	3.77	3.83
beta-BHC	3.87	3.84	3.90
delta-BHC	4.18	4.16	4.22
Heptachlor	4.27	4.24	4.30
Aldrin	4.62	4.59	4.65
Heptachlor epoxide	5.22	5.19	5.25
trans-Chlordane	5.42	5.39	5.45
cis-Chlordane	5.57	5.55	5.61
Endosulfan I	5.64	5.61	5.67
4,4'-DDE	5.73	5.71	5.77
Dieldrin	5.93	5.90	5.96
Endrin	6.25	6.22	6.28
4,4'-DDD	6.33	6.31	6.37
Endosulfan II	6.46	6.43	6.49
4,4'-DDT	6.66	6.63	6.69
Endrin aldehyde	6.80	6.78	6.84
Endosulfan sulfate	7.09	7.06	7.12
Methoxychlor	7.34	7.32	7.38
Endrin ketone	7.64	7.61	7.67

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-401.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Dec-2021 11:05:47 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 29-Dec-2021 11:46:48 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1619

First Level Reviewer: NearyM Date: 23-Dec-2021 11:38:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	77016675	0.5000	0.5000	
2	2.203	2.203	0.000	28860128	0.5000	0.5000	
						RPD = 0.00	
5 alpha-BHC							
1	2.913	2.910	0.003	15087730	0.0500	0.0528	
2	3.453	3.457	-0.004	6068307	0.0500	0.0538	
						RPD = 1.94	
6 gamma-BHC (Lindane)							
1	3.167	3.163	0.004	13797479	0.0500	0.0539	
2	3.803	3.803	0.000	5458873	0.0500	0.0542	
						RPD = 0.53	
7 beta-BHC							
1	3.237	3.233	0.004	5076175	0.0500	0.0558	
2	3.873	3.873	0.000	2266883	0.0500	0.0550	
						RPD = 1.43	
8 delta-BHC							
1	3.390	3.387	0.003	13287149	0.0500	0.0526	
2	4.183	4.187	-0.004	5352460	0.0500	0.0538	
						RPD = 2.33	
10 Heptachlor							
1	3.570	3.570	0.000	12144412	0.0500	0.0570	
2	4.270	4.273	-0.003	5394814	0.0500	0.0552	
						RPD = 3.32	
11 Aldrin							
1	3.847	3.847	0.000	12124971	0.0500	0.0539	
2	4.620	4.623	-0.003	5211056	0.0500	0.0525	
						RPD = 2.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
13 Heptachlor epoxide							
1	4.440	4.440	0.000	10491337	0.0500	0.0582	
2	5.220	5.223	-0.003	4500356	0.0500	0.0555	
						RPD = 4.83	
15 trans-Chlordane							
1	4.563	4.560	0.003	11935399	0.0500	0.0568	
2	5.420	5.423	-0.003	4633618	0.0500	0.0548	
						RPD = 3.51	
16 cis-Chlordane							
1	4.697	4.697	0.000	10790672	0.0500	0.0550	
2	5.573	5.577	-0.004	4041174	0.0500	0.0546	
						RPD = 0.65	
17 4,4'-DDE							
1	4.777	4.777	0.000	10485852	0.0500	0.0545	
2	5.733	5.737	-0.004	4556678	0.0500	0.0531	
						RPD = 2.63	
18 Endosulfan I							
1	4.837	4.833	0.004	9535251	0.0500	0.0573	
2	5.640	5.643	-0.003	4159529	0.0500	0.0545	
						RPD = 5.13	
20 Dieldrin							
1	5.077	5.077	0.000	11098499	0.0500	0.0565	
2	5.927	5.930	-0.003	4527244	0.0500	0.0534	
						RPD = 5.63	
22 Endrin							
1	5.313	5.313	0.000	10542627	0.0500	0.0583	
2	6.247	6.247	0.000	4331887	0.0500	0.0547	
						RPD = 6.33	
24 4,4'-DDD							
1	5.387	5.387	0.000	8639080	0.0500	0.0548	
2	6.333	6.337	-0.004	3593855	0.0500	0.0525	
						RPD = 4.29	
26 Endosulfan II							
1	5.543	5.540	0.003	8496246	0.0500	0.0559	
2	6.460	6.463	-0.003	3787069	0.0500	0.0541	
						RPD = 3.26	
27 4,4'-DDT							
1	5.673	5.670	0.003	8924366	0.0500	0.0551	
2	6.660	6.663	-0.003	3237109	0.0500	0.0513	
						RPD = 7.15	
28 Endrin aldehyde							
1	5.973	5.970	0.003	7081086	0.0500	0.0573	
2	6.803	6.807	-0.004	2977027	0.0500	0.0550	
						RPD = 4.23	
29 Methoxychlor							
1	6.173	6.173	0.000	4133173	0.0500	0.0555	
2	7.343	7.347	-0.004	1593491	0.0500	0.0524	
						RPD = 5.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
31 Endosulfan sulfate							
1	6.417	6.413	0.004	8682122	0.0500	0.0552	
2	7.087	7.090	-0.003	3474727	0.0500	0.0529	
						RPD = 4.34	
32 Endrin ketone							
1	6.697	6.693	0.004	8842597	0.0500	0.0541	
2	7.637	7.640	-0.003	3649445	0.0500	0.0547	
						RPD = 1.13	

QC Flag Legend

Processing Flags

Reagents:

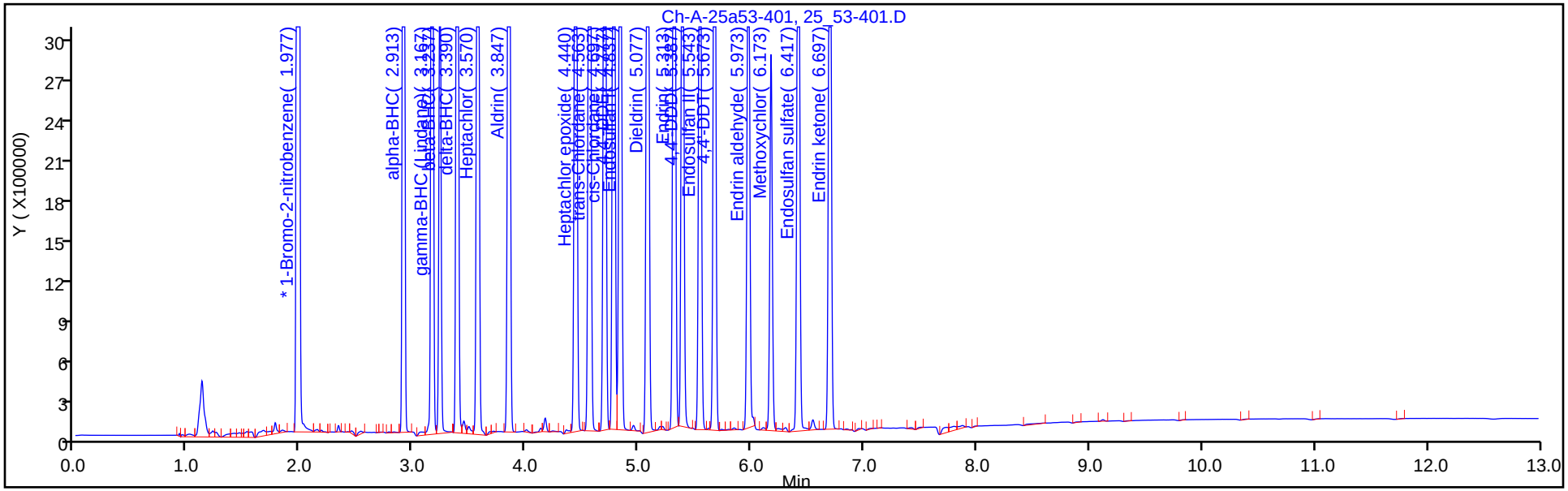
PEST_ICV_.05_00046 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:30 Chrom Revision: 2.3 28-Dec-2021 14:15:12

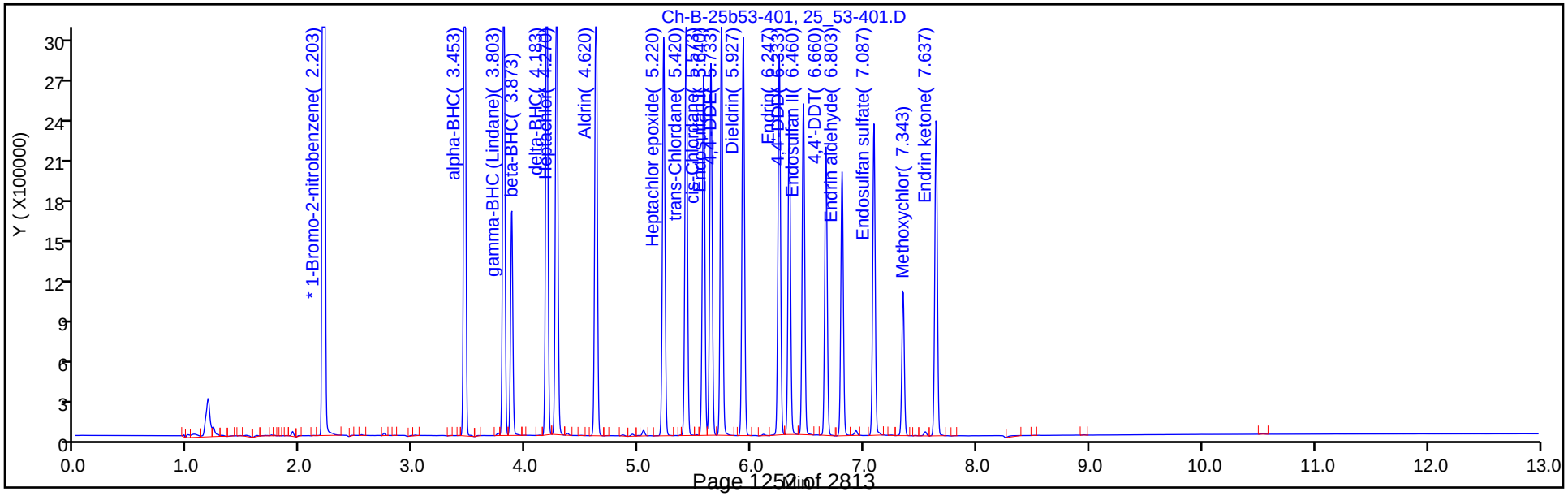
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-401.D				
Injection Date:	23-Dec-2021 11:05:47	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/16 Calibration Date: 12/23/2021 13:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_53-407.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		0.0397		0.481	0.500	-3.7	20.0
Chlordane (technical) Peak 2	Lin1		0.0430		0.484	0.500	-3.2	20.0
Chlordane (technical) Peak 3	Lin1		0.1664		0.488	0.500	-2.5	20.0
Chlordane (technical) Peak 4	Lin1		0.2775		0.492	0.500	-1.7	20.0
Chlordane (technical) Peak 5	Lin1		0.0473		0.475	0.500	-5.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/16 Calibration Date: 12/23/2021 13:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_53-407.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	3.50	3.47	3.53
Chlordane (technical) Peak 2	3.98	3.95	4.01
Chlordane (technical) Peak 3	4.56	4.53	4.59
Chlordane (technical) Peak 4	4.68	4.65	4.71
Chlordane (technical) Peak 5	5.47	5.44	5.50

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-407.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Dec-2021 13:03:20 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 29-Dec-2021 11:46:48 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1619

First Level Reviewer: NearyM Date: 27-Dec-2021 09:15:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	81448126	0.5000	0.5000	
2	2.200	2.203	-0.003	29702691	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	3230274	0.5000	0.4814	
1	3.977	3.977	0.000	3501449	0.5000	0.4839	
1	4.563	4.563	0.000	13556441	0.5000	0.4877	
1	4.683	4.683	0.000	22604215	0.5000	0.4915	
1	5.473	5.470	0.003	3856252	0.5000	0.4752	
		Average of Peak Amounts =				0.4840	
2	4.113	4.117	-0.004	1317843	0.5000	0.4684	
2	4.767	4.767	0.000	1493231	0.5000	0.5129	M
2	5.420	5.420	0.000	5065425	0.5000	0.4921	M
2	5.517	5.517	0.000	5871618	0.5000	0.4929	M
2	6.513	6.513	0.000	1526920	0.5000	0.4889	M
		Average of Peak Amounts =				0.4910	
						RPD = 1.45	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

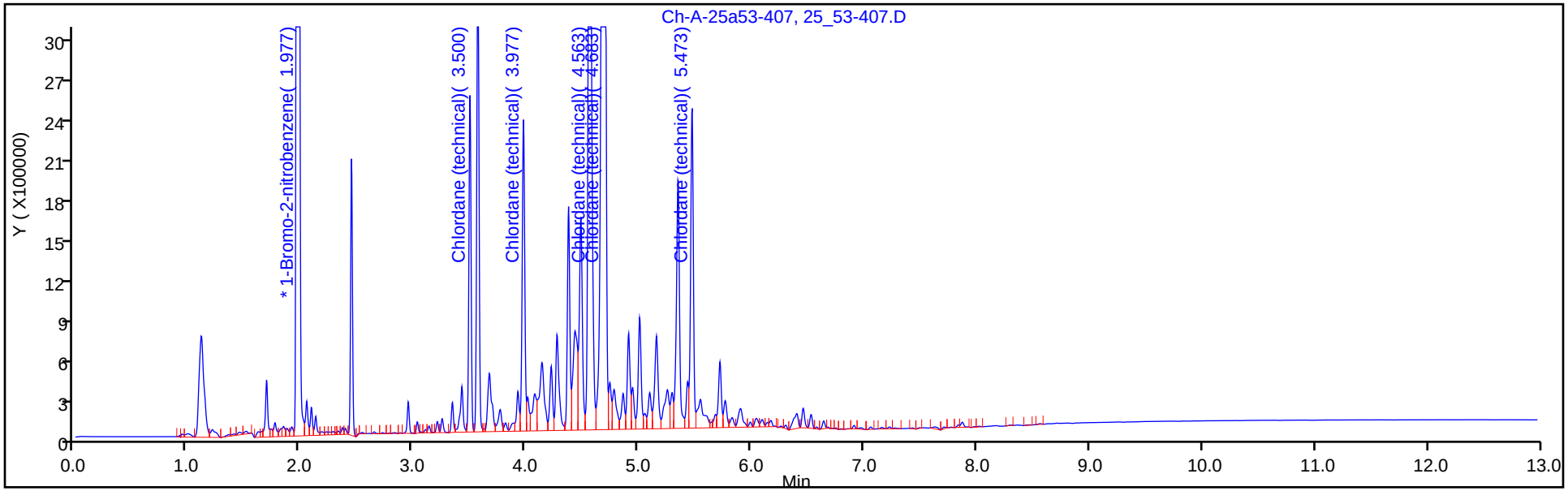
CHLOR_ALT_0.5_00034 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:33 Chrom Revision: 2.3 28-Dec-2021 14:15:12

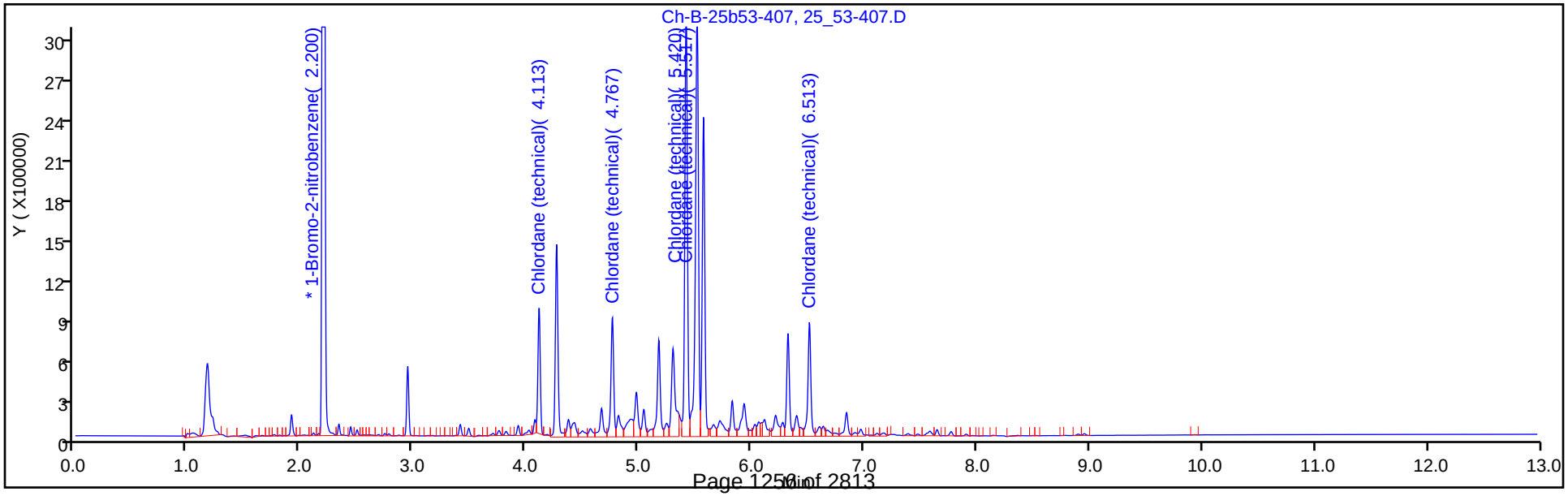
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-407.D				
Injection Date:	23-Dec-2021 13:03:20	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/16 Calibration Date: 12/23/2021 13:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_53-407.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		0.0444		0.468	0.500	-6.3	20.0
Chlordane (technical) Peak 2	Lin1		0.0503		0.513	0.500	2.6	20.0
Chlordane (technical) Peak 3	Lin1		0.1705		0.492	0.500	-1.6	20.0
Chlordane (technical) Peak 4	Lin1		0.1977		0.493	0.500	-1.4	20.0
Chlordane (technical) Peak 5	Lin1		0.0514		0.489	0.500	-2.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/16 Calibration Date: 12/23/2021 13:03

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_53-407.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	4.11	4.09	4.15
Chlordane (technical) Peak 2	4.77	4.74	4.80
Chlordane (technical) Peak 3	5.42	5.39	5.45
Chlordane (technical) Peak 4	5.52	5.49	5.55
Chlordane (technical) Peak 5	6.51	6.48	6.54

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-407.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Dec-2021 13:03:20 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 29-Dec-2021 11:46:48 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1619

First Level Reviewer: NearyM Date: 27-Dec-2021 09:15:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	81448126	0.5000	0.5000	
2	2.200	2.203	-0.003	29702691	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.500	3.500	0.000	3230274	0.5000	0.4814	
1	3.977	3.977	0.000	3501449	0.5000	0.4839	
1	4.563	4.563	0.000	13556441	0.5000	0.4877	
1	4.683	4.683	0.000	22604215	0.5000	0.4915	
1	5.473	5.470	0.003	3856252	0.5000	0.4752	
		Average of Peak Amounts =				0.4840	
2	4.113	4.117	-0.004	1317843	0.5000	0.4684	
2	4.767	4.767	0.000	1493231	0.5000	0.5129	M
2	5.420	5.420	0.000	5065425	0.5000	0.4921	M
2	5.517	5.517	0.000	5871618	0.5000	0.4929	M
2	6.513	6.513	0.000	1526920	0.5000	0.4889	M
		Average of Peak Amounts =				0.4910	
						RPD = 1.45	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

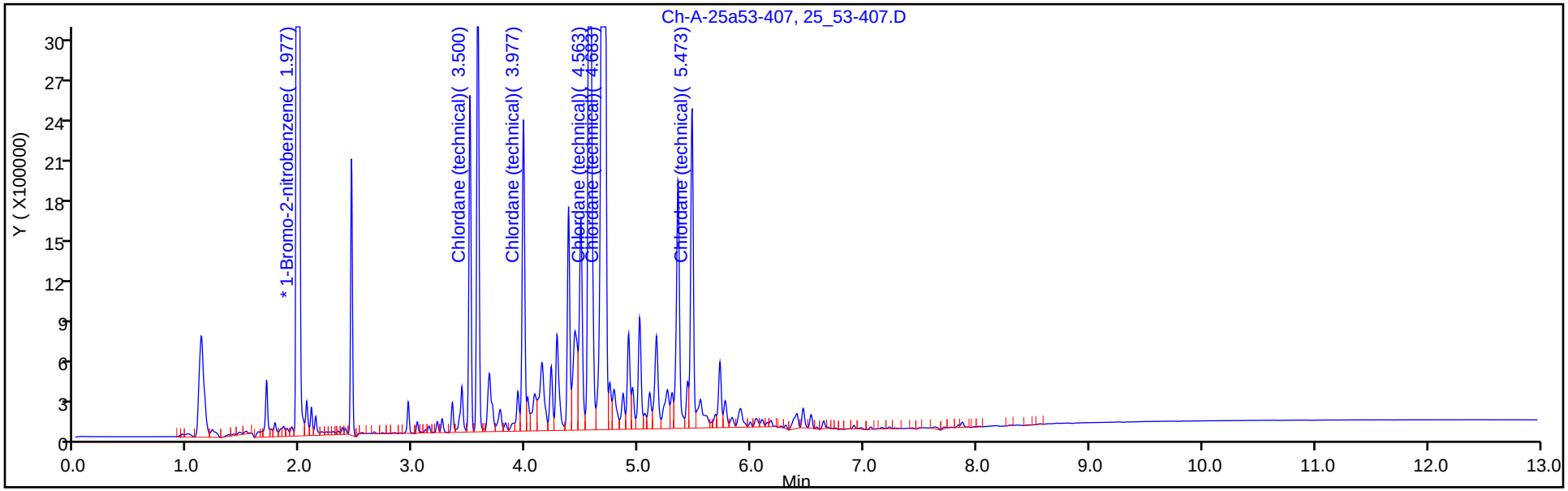
CHLOR_ALT_0.5_00034 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:33 Chrom Revision: 2.3 28-Dec-2021 14:15:12

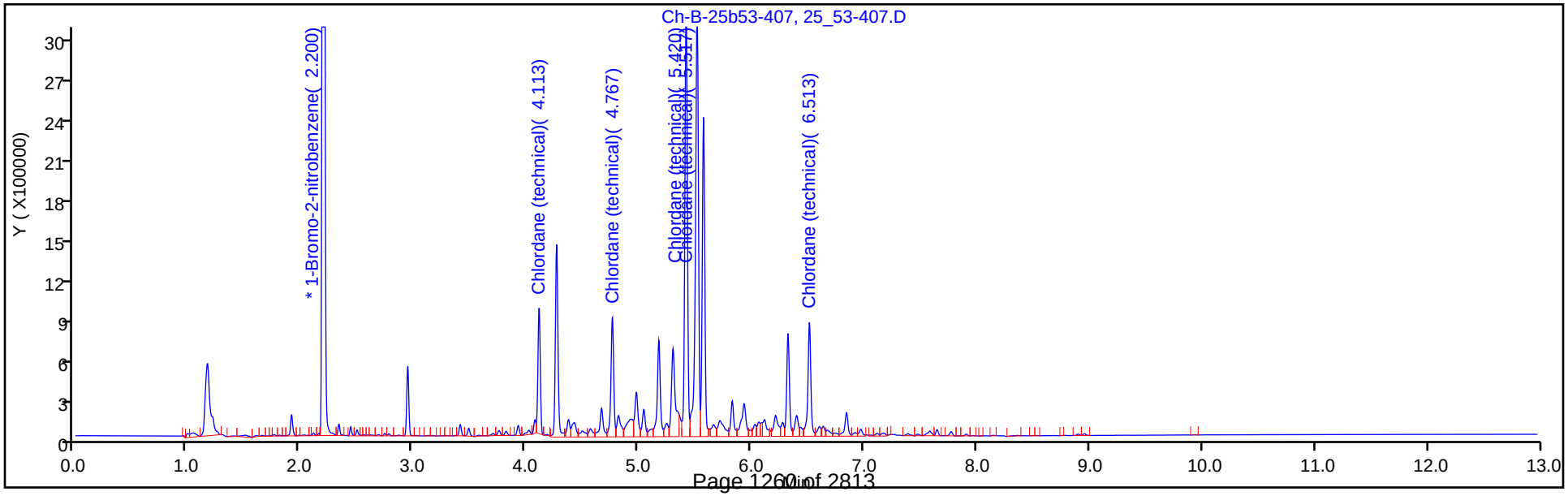
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-407.D				
Injection Date:	23-Dec-2021 13:03:20	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

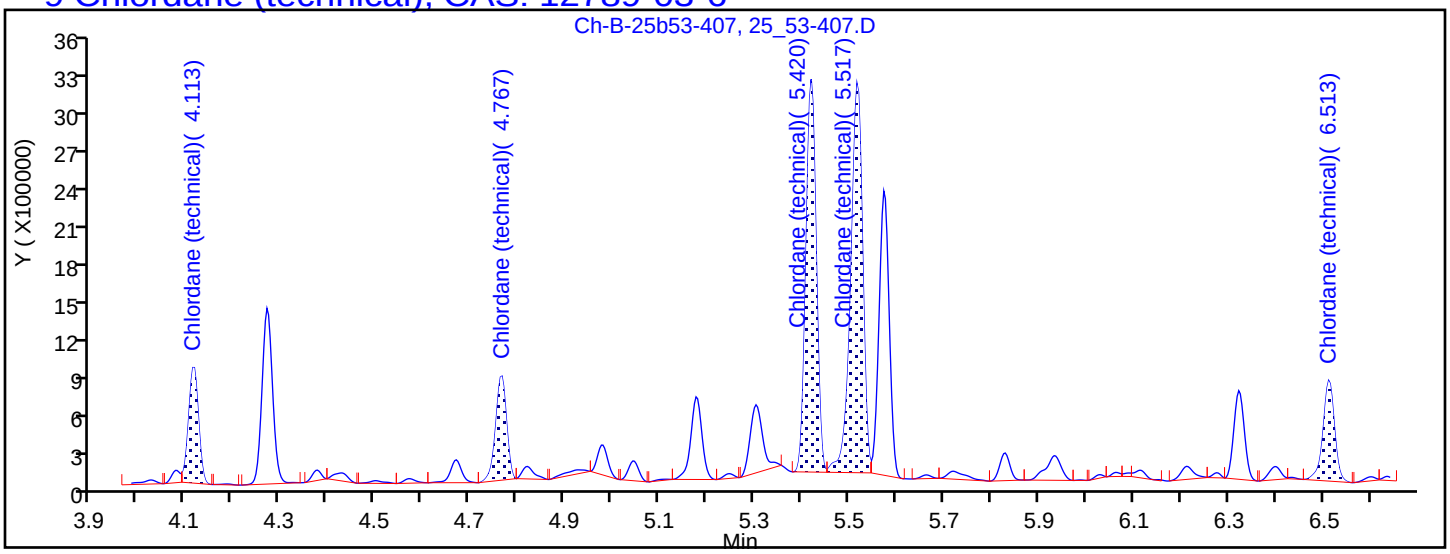


Report Date: 29-Dec-2021 11:47:33 Chrom Revision: 2.3 28-Dec-2021 14:15:12

Eurofins TestAmerica, Buffalo

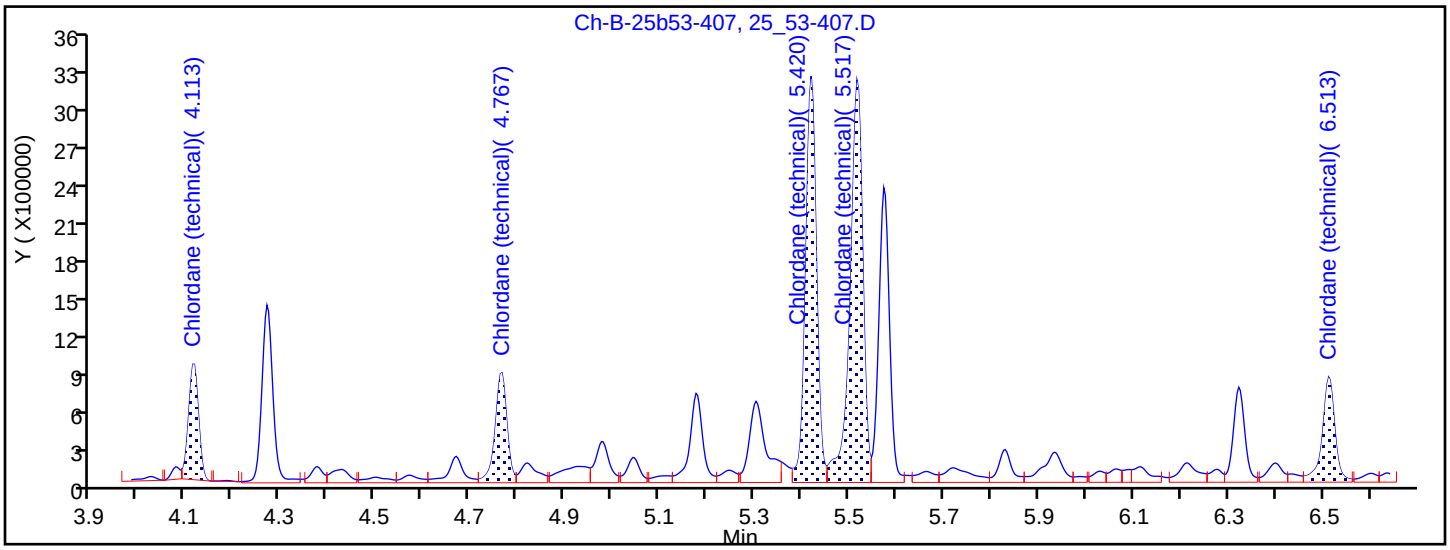
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-407.D				
Injection Date:	23-Dec-2021 13:03:20	Instrument ID:	HP6890-25		
Lims ID:	icv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPII (0.53 mm)	Detector	Ch-B-6b58132		

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

4.113	Response = 1317843
4.767	Response = 1288347
5.420	Response = 4589723
5.517	Response = 5291201
6.513	Response = 1305834



Manual Integration Results

4.113	Response = 1317843	
4.767	Response = 1493231	M
5.420	Response = 5065425	M
5.517	Response = 5871618	M
6.513	Response = 1526920	M

Reviewer: NearyM, 27-Dec-2021 09:15:42

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/22 Calibration Date: 12/23/2021 15:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_53-413.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0602		0.500	0.500	0.0	20.0
Toxaphene Peak 2	Lin1		0.0803		0.471	0.500	-5.7	20.0
Toxaphene Peak 3	Lin1		0.0433		0.465	0.500	-7.1	20.0
Toxaphene Peak 4	Lin1		0.0482		0.503	0.500	0.6	20.0
Toxaphene Peak 5	Lin1		0.0403		0.480	0.500	-4.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/22 Calibration Date: 12/23/2021 15:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_53-413.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.53	5.51	5.57
Toxaphene Peak 2	5.65	5.63	5.69
Toxaphene Peak 3	5.88	5.85	5.91
Toxaphene Peak 4	6.22	6.19	6.25
Toxaphene Peak 5	6.31	6.28	6.34

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-413.D				
Lims ID:	icv				
Client ID:					
Sample Type:	ICV				
Inject. Date:	23-Dec-2021 15:01:02	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:					
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	29-Dec-2021 11:46:48	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1619				
First Level Reviewer: NearyM		Date:	27-Dec-2021 09:14:36		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	78678902	0.5000	0.5000	
2	2.203	2.203	0.000	28557098	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	4738181	0.5000	0.5005	M
1	5.653	5.657	-0.004	6319599	0.5000	0.4715	M
1	5.883	5.883	0.000	3403058	0.5000	0.4645	M
1	6.217	6.217	0.000	3793662	0.5000	0.5028	M
1	6.310	6.313	-0.003	3170220	0.5000	0.4796	M
		Average of Peak Amounts =				0.4838	
2	5.900	5.903	-0.003	833078	0.5000	0.4712	
2	6.450	6.450	0.000	1143843	0.5000	0.4676	
2	6.550	6.550	0.000	2123095	0.5000	0.4566	
2	6.813	6.813	0.000	1313225	0.5000	0.4650	
2	7.340	7.343	-0.003	1029263	0.5000	0.4471	
		Average of Peak Amounts =				0.4615	
						RPD = 4.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

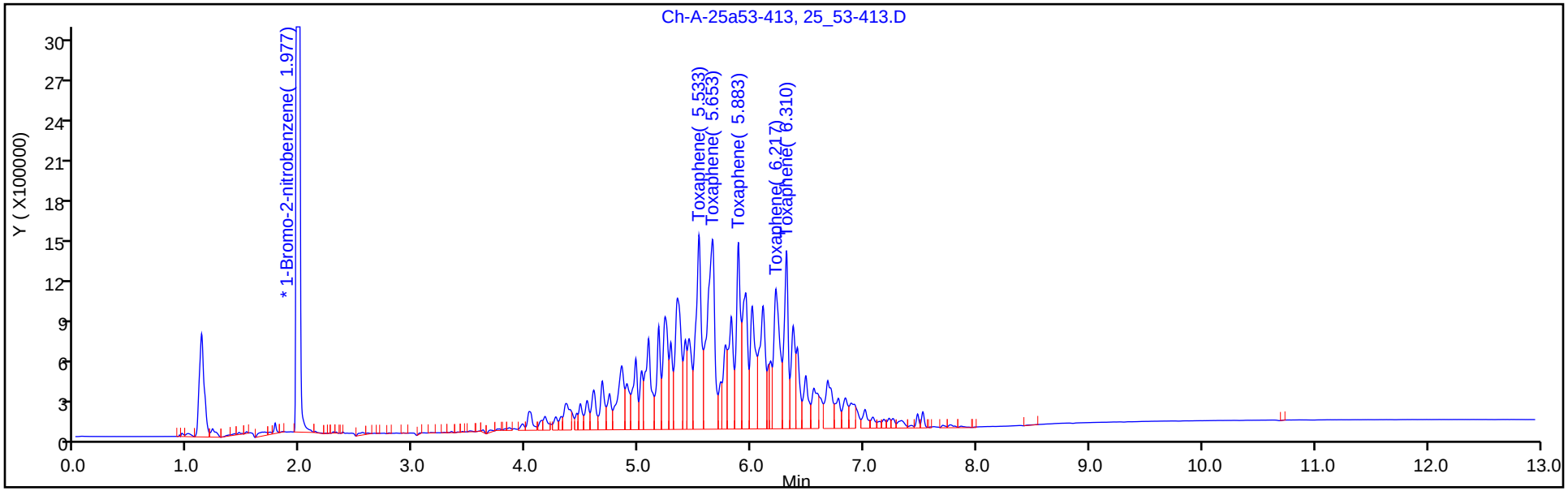
TOX_ALT_0.5_00030 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:36 Chrom Revision: 2.3 28-Dec-2021 14:15:12

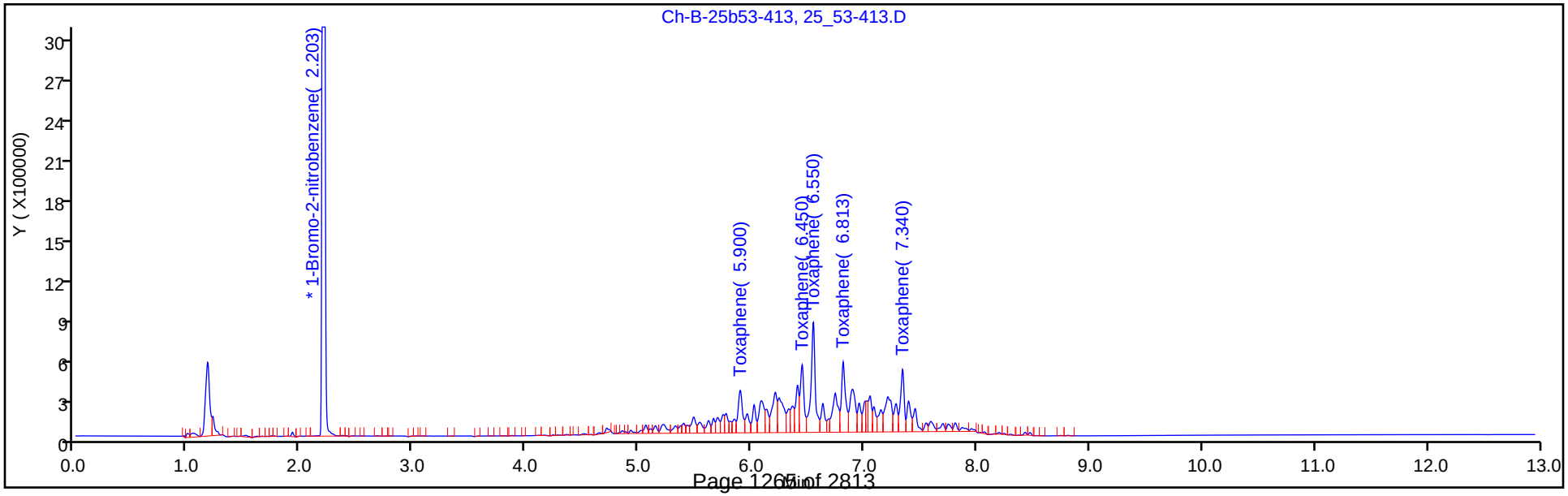
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-413.D				
Injection Date:	23-Dec-2021 15:01:02	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

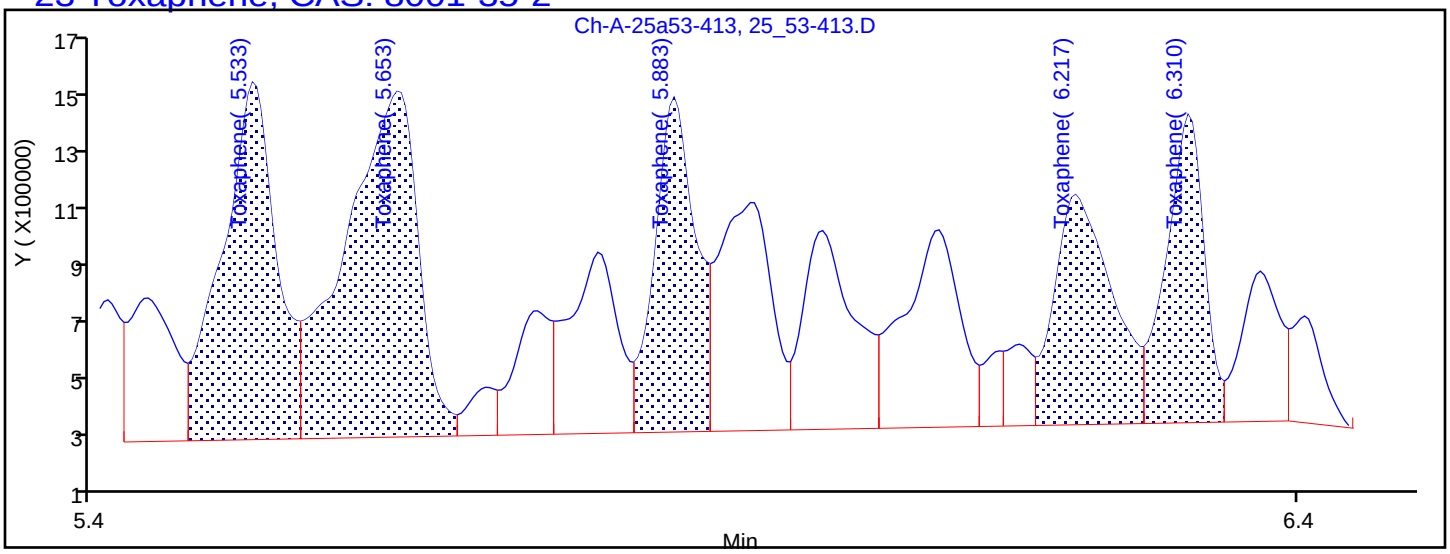


Report Date: 29-Dec-2021 11:47:37 Chrom Revision: 2.3 28-Dec-2021 14:15:12

Eurofins TestAmerica, Buffalo

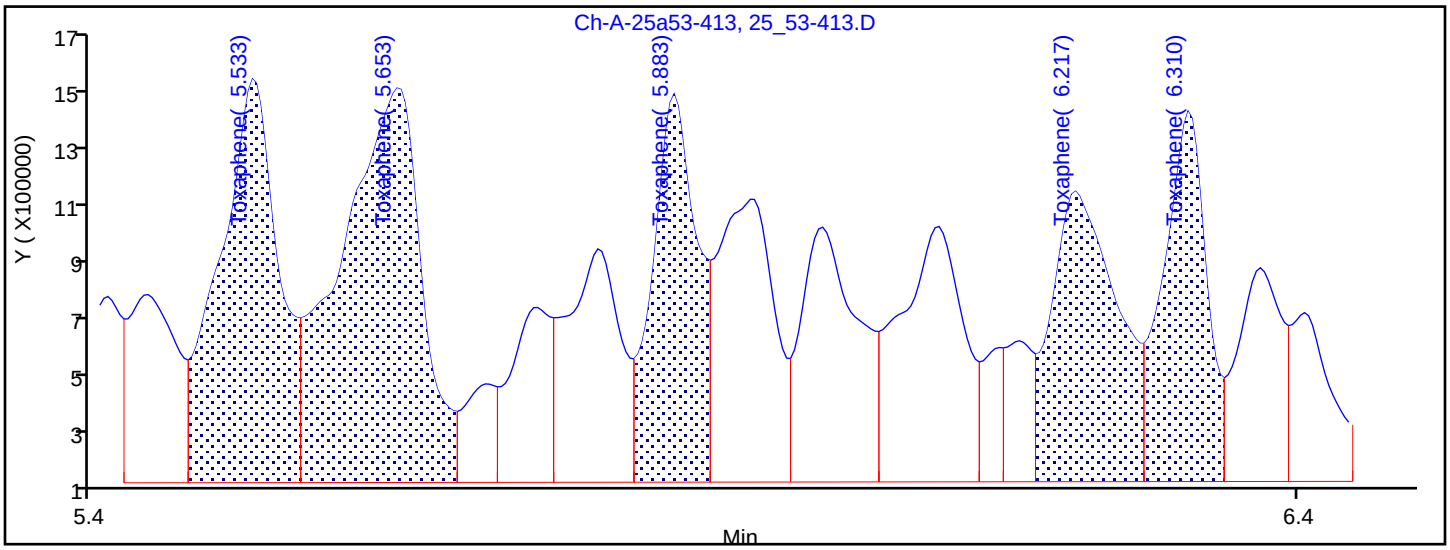
Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-413.D				
Injection Date:	23-Dec-2021 15:01:02	Instrument ID:	HP6890-25		
Lims ID:	icv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		
Column:	RTX-CLPI (0.53 mm)	Detector	Ch-A-6A58132		

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.533	Response = 3850645
5.653	Response = 5022580
5.883	Response = 2706624
6.217	Response = 2673303
6.310	Response = 2318448



Manual Integration Results

5.533	Response = 4738181	M
5.653	Response = 6319599	M
5.883	Response = 3403058	M
6.217	Response = 3793662	M
6.310	Response = 3170220	M

Reviewer: NearyM, 27-Dec-2021 09:14:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/22 Calibration Date: 12/23/2021 15:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_53-413.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0292		0.471	0.500	-5.8	20.0
Toxaphene Peak 2	Lin1		0.0401		0.468	0.500	-6.5	20.0
Toxaphene Peak 3	Lin1		0.0743		0.457	0.500	-8.7	20.0
Toxaphene Peak 4	Lin1		0.0460		0.465	0.500	-7.0	20.0
Toxaphene Peak 5	Lin1		0.0360		0.447	0.500	-10.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-609962/22 Calibration Date: 12/23/2021 15:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_53-413.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.90	5.87	5.93
Toxaphene Peak 2	6.45	6.42	6.48
Toxaphene Peak 3	6.55	6.52	6.58
Toxaphene Peak 4	6.81	6.78	6.84
Toxaphene Peak 5	7.34	7.31	7.37

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-413.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Dec-2021 15:01:02 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 29-Dec-2021 11:46:48 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1619

First Level Reviewer: NearyM Date: 27-Dec-2021 09:14:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	78678902	0.5000	0.5000	
2	2.203	2.203	0.000	28557098	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.533	5.537	-0.004	4738181	0.5000	0.5005	M
1	5.653	5.657	-0.004	6319599	0.5000	0.4715	M
1	5.883	5.883	0.000	3403058	0.5000	0.4645	M
1	6.217	6.217	0.000	3793662	0.5000	0.5028	M
1	6.310	6.313	-0.003	3170220	0.5000	0.4796	M
		Average of Peak Amounts =				0.4838	
2	5.900	5.903	-0.003	833078	0.5000	0.4712	
2	6.450	6.450	0.000	1143843	0.5000	0.4676	
2	6.550	6.550	0.000	2123095	0.5000	0.4566	
2	6.813	6.813	0.000	1313225	0.5000	0.4650	
2	7.340	7.343	-0.003	1029263	0.5000	0.4471	
		Average of Peak Amounts =				0.4615	
						RPD = 4.71	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

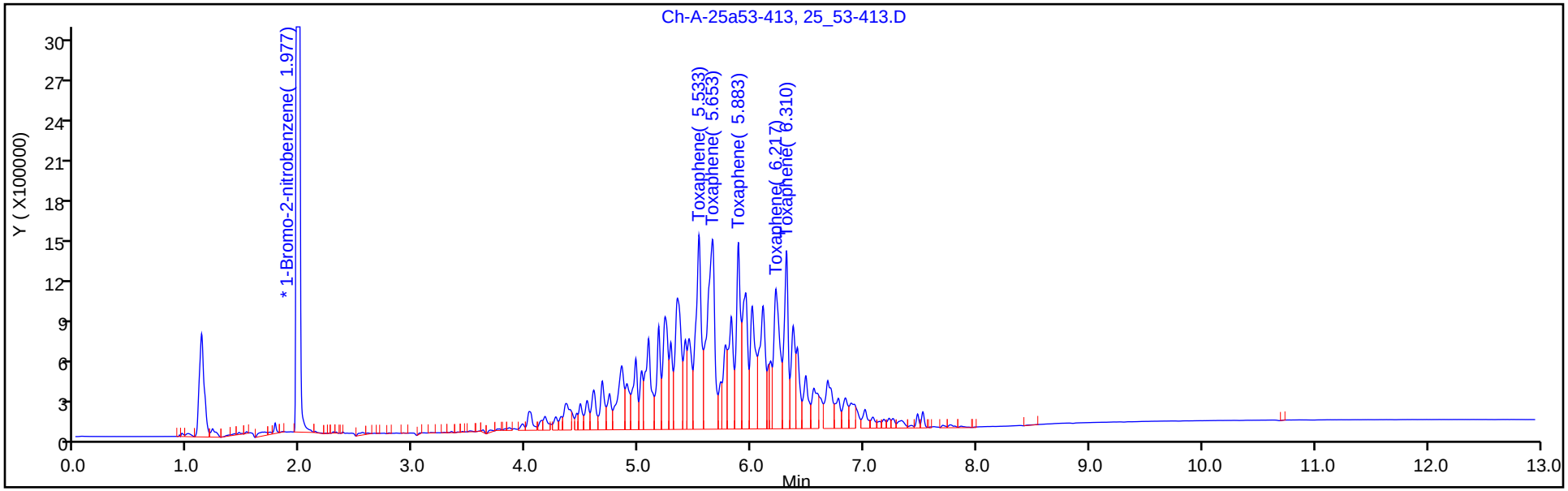
TOX_ALT_0.5_00030 Amount Added: 1.00 Units: mL

Report Date: 29-Dec-2021 11:47:37 Chrom Revision: 2.3 28-Dec-2021 14:15:12

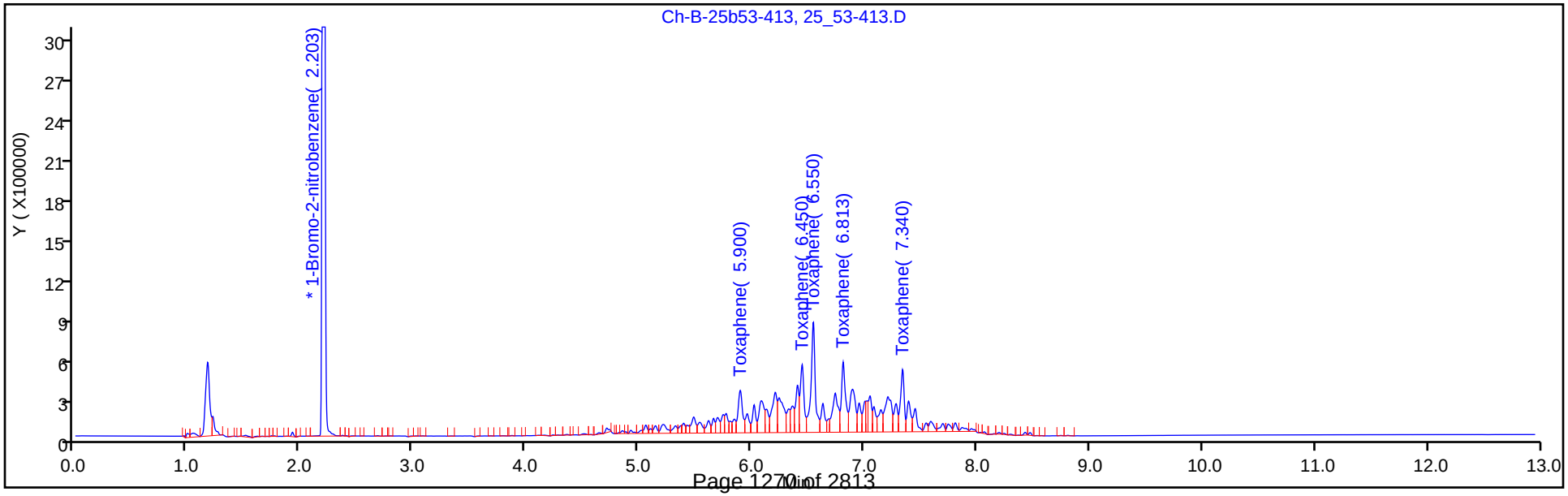
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-413.D				
Injection Date:	23-Dec-2021 15:01:02	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617227/5 Calibration Date: 03/09/2022 08:22

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-083.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		1.873		0.0504	0.0500	0.9	20.0
gamma-BHC (Lindane)	Lin1		1.693		0.0509	0.0500	1.8	20.0
beta-BHC	Lin1		0.6432		0.0544	0.0500	8.9	20.0
delta-BHC	Lin1		1.621		0.0494	0.0500	-1.2	20.0
Heptachlor	Lin1		1.521		0.0549	0.0500	9.9	20.0
Aldrin	Lin1		1.604		0.0549	0.0500	9.9	20.0
Heptachlor epoxide	Lin1		1.310		0.0559	0.0500	11.9	20.0
trans-Chlordane	Lin1		1.453		0.0532	0.0500	6.4	20.0
cis-Chlordane	Lin1		1.358		0.0533	0.0500	6.5	20.0
4,4'-DDE	Lin1		1.424		0.0570	0.0500	14.1	20.0
Endosulfan I	Lin1		1.164		0.0538	0.0500	7.6	20.0
Dieldrin	Lin1		1.271		0.0496	0.0500	-0.7	20.0
Endrin	Lin1		1.303		0.0554	0.0500	10.9	20.0
4,4'-DDD	Lin1		1.131		0.0552	0.0500	10.5	20.0
Endosulfan II	Lin1		1.030		0.0521	0.0500	4.2	20.0
4,4'-DDT	Lin1		1.128		0.0536	0.0500	7.1	20.0
Endrin aldehyde	Lin1		0.8610		0.0536	0.0500	7.2	20.0
Methoxychlor	Lin1		0.4787		0.0495	0.0500	-1.1	20.0
Endosulfan sulfate	Lin1		1.006		0.0492	0.0500	-1.6	20.0
Endrin ketone	Lin1		1.049		0.0494	0.0500	-1.3	20.0
Tetrachloro-m-xylene	Lin1		0.6479		0.0493	0.0500	-1.5	20.0
DCB Decachlorobiphenyl	Lin1		0.8726		0.0524	0.0500	4.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617227/5 Calibration Date: 03/09/2022 08:22

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-083.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.83	2.80	2.86
gamma-BHC (Lindane)	3.07	3.04	3.10
beta-BHC	3.14	3.11	3.17
delta-BHC	3.29	3.26	3.32
Heptachlor	3.47	3.44	3.50
Aldrin	3.74	3.71	3.77
Heptachlor epoxide	4.32	4.29	4.35
trans-Chlordane	4.45	4.42	4.48
cis-Chlordane	4.58	4.55	4.61
4,4'-DDE	4.67	4.64	4.70
Endosulfan I	4.72	4.69	4.75
Dieldrin	4.96	4.93	4.99
Endrin	5.19	5.16	5.22
4,4'-DDD	5.27	5.24	5.30
Endosulfan II	5.42	5.39	5.45
4,4'-DDT	5.56	5.53	5.59
Endrin aldehyde	5.85	5.82	5.88
Methoxychlor	6.06	6.03	6.09
Endosulfan sulfate	6.29	6.26	6.32
Endrin ketone	6.57	6.54	6.60
Tetrachloro-m-xylene	2.42	2.39	2.45
DCB Decachlorobiphenyl	7.58	7.55	7.61

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-083.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Mar-2022 08:22:38 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist: chrom-IS-8081*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:15 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.913	1.913	0.000	89859364	0.5000	0.5000	
2	2.140	2.140	0.000	27988155	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.420	2.420	0.000	5822006	0.0500	0.0493	
2	2.833	2.833	0.000	3419224	0.0500	0.0522	
						RPD = 5.80	
5 alpha-BHC							
1	2.827	2.827	0.000	16830565	0.0500	0.0504	
2	3.367	3.367	0.000	5653267	0.0500	0.0517	
						RPD = 2.43	
6 gamma-BHC (Lindane)							
1	3.073	3.073	0.000	15209576	0.0500	0.0509	
2	3.707	3.707	0.000	5193826	0.0500	0.0531	
						RPD = 4.31	
7 beta-BHC							
1	3.143	3.143	0.000	5780093	0.0500	0.0544	
2	3.777	3.777	0.000	2108128	0.0500	0.0527	
						RPD = 3.21	
8 delta-BHC							
1	3.293	3.293	0.000	14566516	0.0500	0.0494	
2	4.080	4.080	0.000	5178678	0.0500	0.0537	
						RPD = 8.33	
10 Heptachlor							
1	3.473	3.473	0.000	13664291	0.0500	0.0549	
2	4.167	4.167	0.000	5042440	0.0500	0.0531	
						RPD = 3.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.740	3.740	0.000	14416714	0.0500	0.0549	
2	4.513	4.513	0.000	5119259	0.0500	0.0532	
						RPD = 3.24	
13 Heptachlor epoxide							
1	4.323	4.323	0.000	11773512	0.0500	0.0559	
2	5.113	5.113	0.000	4305664	0.0500	0.0547	
						RPD = 2.18	
15 trans-Chlordane							
1	4.447	4.447	0.000	13058078	0.0500	0.0532	
2	5.313	5.313	0.000	4254352	0.0500	0.0519	
						RPD = 2.44	
16 cis-Chlordane							
1	4.580	4.580	0.000	12206098	0.0500	0.0533	
2	5.463	5.463	0.000	3568220	0.0500	0.0497	
						RPD = 6.91	
17 4,4'-DDE							
1	4.667	4.667	0.000	12793901	0.0500	0.0570	
2	5.627	5.627	0.000	4283297	0.0500	0.0515	
						RPD = 10.26	
18 Endosulfan I							
1	4.720	4.720	0.000	10457260	0.0500	0.0538	
2	5.530	5.530	0.000	3980977	0.0500	0.0537	
						RPD = 0.08	
20 Dieldrin							
1	4.960	4.960	0.000	11419310	0.0500	0.0496	
2	5.817	5.817	0.000	4412002	0.0500	0.0537	
						RPD = 7.81	
22 Endrin							
1	5.193	5.193	0.000	11707680	0.0500	0.0554	
2	6.133	6.133	0.000	4042271	0.0500	0.0526	
						RPD = 5.14	
24 4,4'-DDD							
1	5.273	5.273	0.000	10165849	0.0500	0.0552	
2	6.227	6.227	0.000	3432308	0.0500	0.0517	
						RPD = 6.67	
26 Endosulfan II							
1	5.420	5.420	0.000	9255903	0.0500	0.0521	
2	6.350	6.350	0.000	3520357	0.0500	0.0518	
						RPD = 0.54	
27 4,4'-DDT							
1	5.557	5.557	0.000	10132525	0.0500	0.0536	
2	6.553	6.553	0.000	3206945	0.0500	0.0523	
						RPD = 2.34	
28 Endrin aldehyde							
1	5.850	5.850	0.000	7737181	0.0500	0.0536	
2	6.693	6.693	0.000	2667850	0.0500	0.0507	
						RPD = 5.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	6.060	6.060	0.000	4301959	0.0500	0.0495	
2	7.240	7.240	0.000	1523087	0.0500	0.0516	
						RPD = 4.31	
31 Endosulfan sulfate							
1	6.290	6.290	0.000	9041740	0.0500	0.0492	
2	6.977	6.977	0.000	3228171	0.0500	0.0507	
						RPD = 2.93	
32 Endrin ketone							
1	6.570	6.570	0.000	9429275	0.0500	0.0494	
2	7.523	7.523	0.000	3446494	0.0500	0.0533	
						RPD = 7.58	
$ 33 DCB Decachlorobiphenyl							
1	7.583	7.583	0.000	7840771	0.0500	0.0524	
2	8.727	8.727	0.000	3058666	0.0500	0.0494	
						RPD = 5.88	

Reagents:

PEST_CCV_.05_00350 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 13:14:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-083.D

Injection Date: 09-Mar-2022 08:22:38 Instrument ID: HP6890-25 Operator ID: BufTCHROM

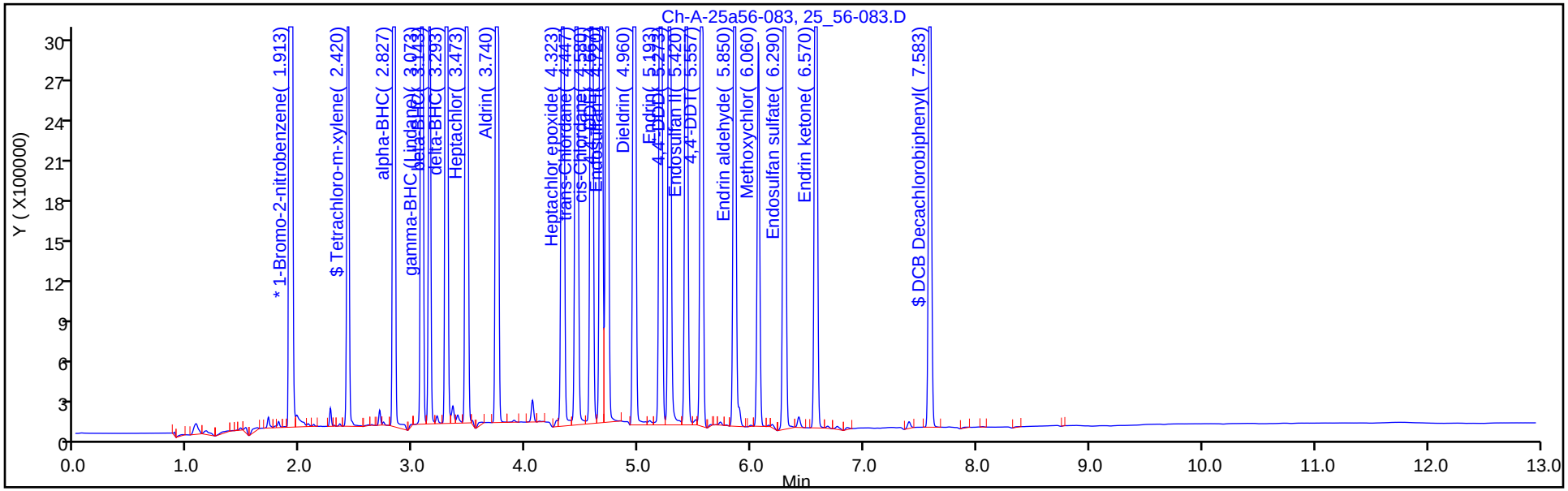
Lims ID: ccvis Worklist Smp#: 5

Client ID:

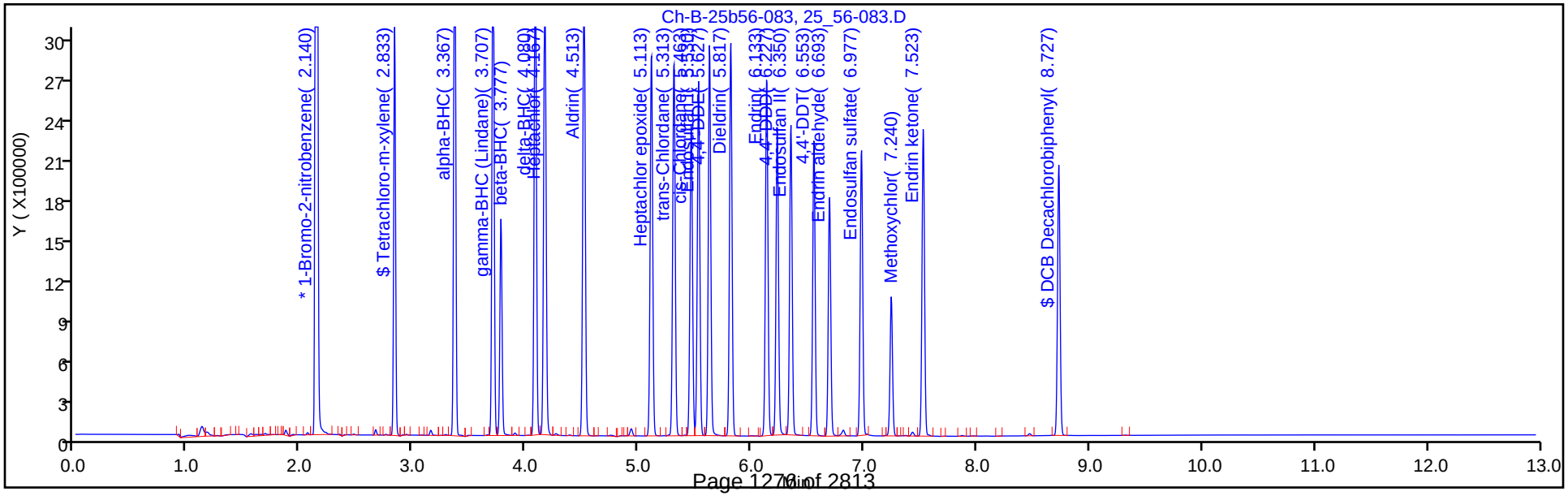
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617227/5 Calibration Date: 03/09/2022 08:22

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-083.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		2.020		0.0517	0.0500	3.4	20.0
gamma-BHC (Lindane)	Lin1		1.856		0.0531	0.0500	6.3	20.0
beta-BHC	Lin1		0.7532		0.0527	0.0500	5.4	20.0
delta-BHC	Lin1		1.850		0.0537	0.0500	7.4	20.0
Heptachlor	Lin1		1.802		0.0531	0.0500	6.3	20.0
Aldrin	Lin1		1.829		0.0532	0.0500	6.4	20.0
Heptachlor epoxide	Lin1		1.538		0.0547	0.0500	9.5	20.0
trans-Chlordane	Lin1		1.520		0.0519	0.0500	3.8	20.0
cis-Chlordane	Lin1		1.275		0.0497	0.0500	-0.6	20.0
Endosulfan I	Lin1		1.422		0.0537	0.0500	7.5	20.0
4,4'-DDE	Lin1		1.530		0.0515	0.0500	2.9	20.0
Dieldrin	Lin1		1.576		0.0537	0.0500	7.3	20.0
Endrin	Lin1		1.444		0.0526	0.0500	5.3	20.0
4,4'-DDD	Lin1		1.226		0.0517	0.0500	3.3	20.0
Endosulfan II	Lin1		1.258		0.0518	0.0500	3.7	20.0
4,4'-DDT	Lin1		1.146		0.0523	0.0500	4.6	20.0
Endrin aldehyde	Lin1		0.9532		0.0507	0.0500	1.5	20.0
Endosulfan sulfate	Lin1		1.153		0.0507	0.0500	1.3	20.0
Methoxychlor	Lin1		0.5442		0.0516	0.0500	3.3	20.0
Endrin ketone	Lin1		1.231		0.0533	0.0500	6.5	20.0
Tetrachloro-m-xylene	Lin1		1.222		0.0522	0.0500	4.4	20.0
DCB Decachlorobiphenyl	Lin1		1.093		0.0494	0.0500	-1.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617227/5 Calibration Date: 03/09/2022 08:22

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 09:27

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 10:46

Lab File ID: 25_56-083.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.37	3.34	3.40
gamma-BHC (Lindane)	3.71	3.68	3.74
beta-BHC	3.78	3.75	3.81
delta-BHC	4.08	4.05	4.11
Heptachlor	4.17	4.14	4.20
Aldrin	4.51	4.48	4.54
Heptachlor epoxide	5.11	5.08	5.14
trans-Chlordane	5.31	5.28	5.34
cis-Chlordane	5.46	5.43	5.49
Endosulfan I	5.53	5.50	5.56
4,4'-DDE	5.63	5.60	5.66
Dieldrin	5.82	5.79	5.85
Endrin	6.13	6.10	6.16
4,4'-DDD	6.23	6.20	6.26
Endosulfan II	6.35	6.32	6.38
4,4'-DDT	6.55	6.52	6.58
Endrin aldehyde	6.69	6.66	6.72
Endosulfan sulfate	6.98	6.95	7.01
Methoxychlor	7.24	7.21	7.27
Endrin ketone	7.52	7.49	7.55
Tetrachloro-m-xylene	2.83	2.80	2.86
DCB Decachlorobiphenyl	8.73	8.70	8.76

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-083.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Mar-2022 08:22:38 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist: chrom-IS-8081*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:15 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.913	1.913	0.000	89859364	0.5000	0.5000	
2	2.140	2.140	0.000	27988155	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.420	2.420	0.000	5822006	0.0500	0.0493	
2	2.833	2.833	0.000	3419224	0.0500	0.0522	
						RPD = 5.80	
5 alpha-BHC							
1	2.827	2.827	0.000	16830565	0.0500	0.0504	
2	3.367	3.367	0.000	5653267	0.0500	0.0517	
						RPD = 2.43	
6 gamma-BHC (Lindane)							
1	3.073	3.073	0.000	15209576	0.0500	0.0509	
2	3.707	3.707	0.000	5193826	0.0500	0.0531	
						RPD = 4.31	
7 beta-BHC							
1	3.143	3.143	0.000	5780093	0.0500	0.0544	
2	3.777	3.777	0.000	2108128	0.0500	0.0527	
						RPD = 3.21	
8 delta-BHC							
1	3.293	3.293	0.000	14566516	0.0500	0.0494	
2	4.080	4.080	0.000	5178678	0.0500	0.0537	
						RPD = 8.33	
10 Heptachlor							
1	3.473	3.473	0.000	13664291	0.0500	0.0549	
2	4.167	4.167	0.000	5042440	0.0500	0.0531	
						RPD = 3.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.740	3.740	0.000	14416714	0.0500	0.0549	
2	4.513	4.513	0.000	5119259	0.0500	0.0532	
						RPD = 3.24	
13 Heptachlor epoxide							
1	4.323	4.323	0.000	11773512	0.0500	0.0559	
2	5.113	5.113	0.000	4305664	0.0500	0.0547	
						RPD = 2.18	
15 trans-Chlordane							
1	4.447	4.447	0.000	13058078	0.0500	0.0532	
2	5.313	5.313	0.000	4254352	0.0500	0.0519	
						RPD = 2.44	
16 cis-Chlordane							
1	4.580	4.580	0.000	12206098	0.0500	0.0533	
2	5.463	5.463	0.000	3568220	0.0500	0.0497	
						RPD = 6.91	
17 4,4'-DDE							
1	4.667	4.667	0.000	12793901	0.0500	0.0570	
2	5.627	5.627	0.000	4283297	0.0500	0.0515	
						RPD = 10.26	
18 Endosulfan I							
1	4.720	4.720	0.000	10457260	0.0500	0.0538	
2	5.530	5.530	0.000	3980977	0.0500	0.0537	
						RPD = 0.08	
20 Dieldrin							
1	4.960	4.960	0.000	11419310	0.0500	0.0496	
2	5.817	5.817	0.000	4412002	0.0500	0.0537	
						RPD = 7.81	
22 Endrin							
1	5.193	5.193	0.000	11707680	0.0500	0.0554	
2	6.133	6.133	0.000	4042271	0.0500	0.0526	
						RPD = 5.14	
24 4,4'-DDD							
1	5.273	5.273	0.000	10165849	0.0500	0.0552	
2	6.227	6.227	0.000	3432308	0.0500	0.0517	
						RPD = 6.67	
26 Endosulfan II							
1	5.420	5.420	0.000	9255903	0.0500	0.0521	
2	6.350	6.350	0.000	3520357	0.0500	0.0518	
						RPD = 0.54	
27 4,4'-DDT							
1	5.557	5.557	0.000	10132525	0.0500	0.0536	
2	6.553	6.553	0.000	3206945	0.0500	0.0523	
						RPD = 2.34	
28 Endrin aldehyde							
1	5.850	5.850	0.000	7737181	0.0500	0.0536	
2	6.693	6.693	0.000	2667850	0.0500	0.0507	
						RPD = 5.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	6.060	6.060	0.000	4301959	0.0500	0.0495	
2	7.240	7.240	0.000	1523087	0.0500	0.0516	
						RPD = 4.31	
31 Endosulfan sulfate							
1	6.290	6.290	0.000	9041740	0.0500	0.0492	
2	6.977	6.977	0.000	3228171	0.0500	0.0507	
						RPD = 2.93	
32 Endrin ketone							
1	6.570	6.570	0.000	9429275	0.0500	0.0494	
2	7.523	7.523	0.000	3446494	0.0500	0.0533	
						RPD = 7.58	
$ 33 DCB Decachlorobiphenyl							
1	7.583	7.583	0.000	7840771	0.0500	0.0524	
2	8.727	8.727	0.000	3058666	0.0500	0.0494	
						RPD = 5.88	

Reagents:

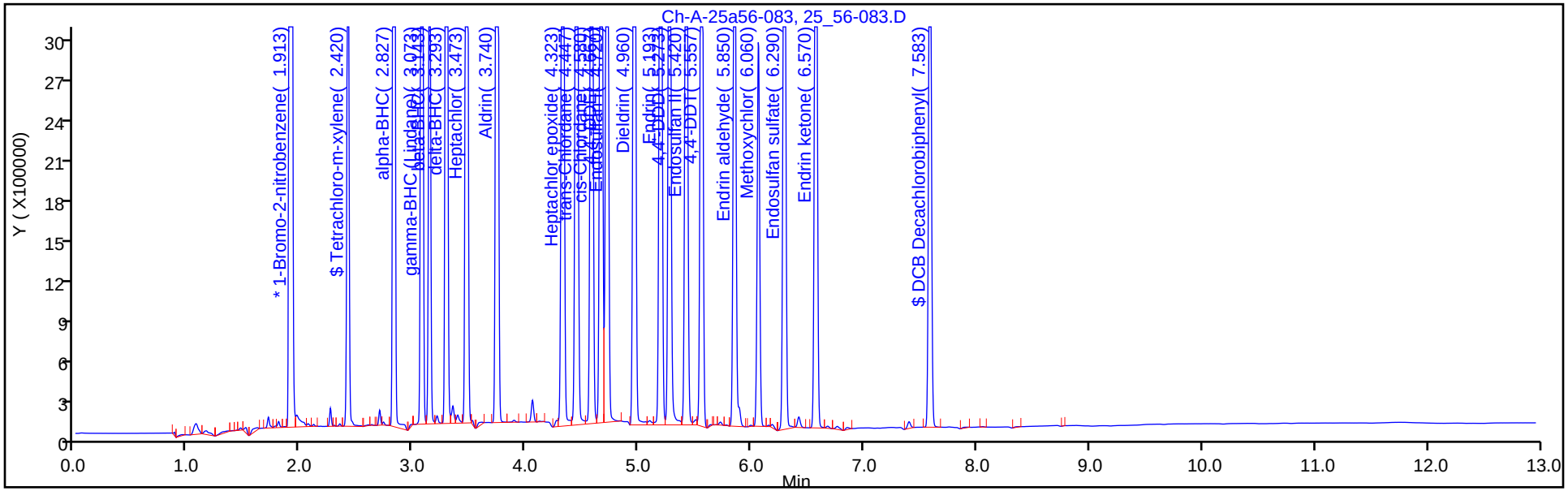
PEST_CCV_.05_00350 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 13:14:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

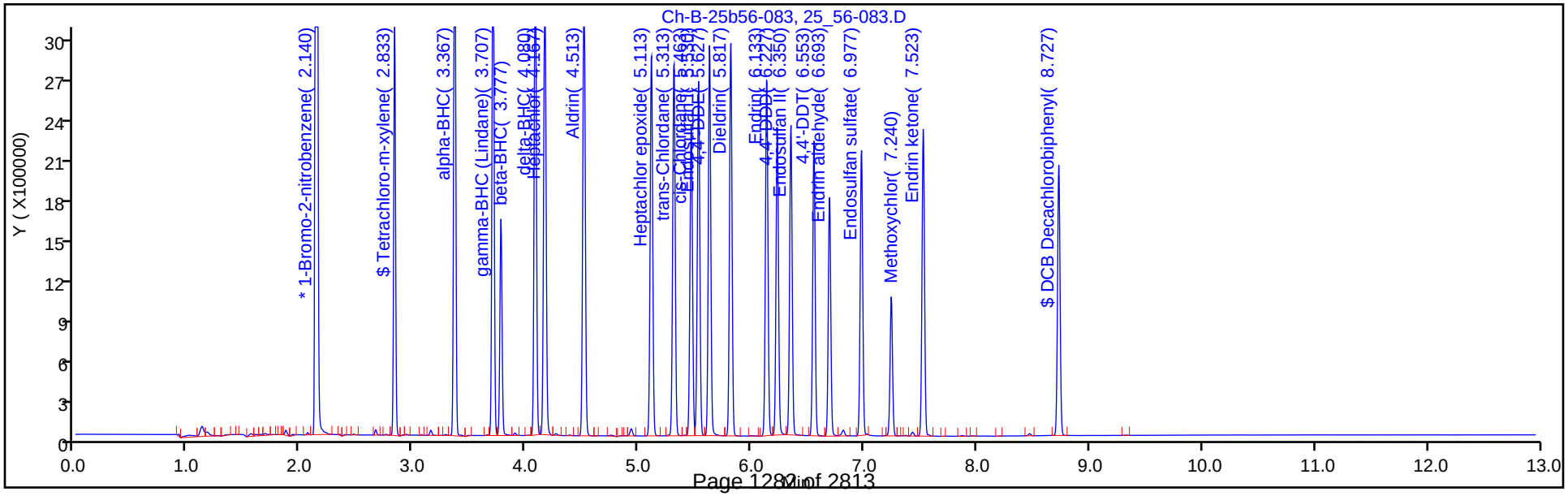
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-083.D				
Injection Date:	09-Mar-2022 08:22:38	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	ccvis			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/6 Calibration Date: 03/09/2022 08:42

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_56-084.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		0.0468		0.570	0.500	13.9	20.0
Chlordane (technical) Peak 2	Lin1		0.0507		0.573	0.500	14.6	20.0
Chlordane (technical) Peak 3	Lin1		0.1900		0.558	0.500	11.5	20.0
Chlordane (technical) Peak 4	Lin1		0.3010		0.534	0.500	6.7	20.0
Chlordane (technical) Peak 5	Lin1		0.0559		0.562	0.500	12.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/6 Calibration Date: 03/09/2022 08:42

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_56-084.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	3.40	3.37	3.43
Chlordane (technical) Peak 2	3.86	3.83	3.89
Chlordane (technical) Peak 3	4.44	4.41	4.47
Chlordane (technical) Peak 4	4.56	4.53	4.59
Chlordane (technical) Peak 5	5.35	5.32	5.38

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-084.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 08:42:17 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist: chrom-IS-8081*sub11

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:18 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 09:17:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.910	0.000	92195837	0.5000	0.5000	
2	2.137	2.137	0.000	28934450	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.397	3.397	0.000	4314582	0.5000	0.5695	M
1	3.863	3.863	0.000	4675321	0.5000	0.5731	M
1	4.443	4.443	0.000	17515493	0.5000	0.5576	M
1	4.563	4.563	0.000	27752409	0.5000	0.5337	M
1	5.347	5.347	0.000	5158058	0.5000	0.5616	M
		Average of Peak Amounts =				0.5591	
2	4.010	4.010	0.000	1449115	0.5000	0.5292	
2	4.657	4.657	0.000	1531050	0.5000	0.5407	
2	5.307	5.307	0.000	5149583	0.5000	0.5136	
2	5.403	5.403	0.000	6213693	0.5000	0.5356	
2	6.397	6.397	0.000	1632150	0.5000	0.5362	
		Average of Peak Amounts =				0.5310	
						RPD = 5.15	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

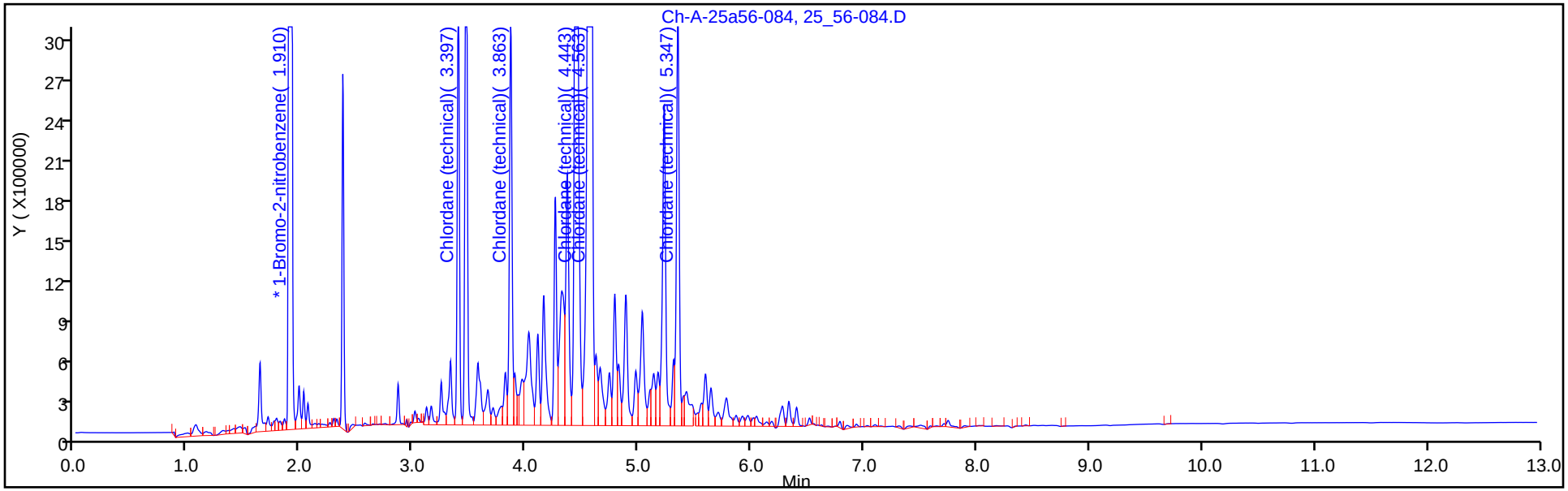
CHLOR_CCV0.5_00178 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 13:14:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

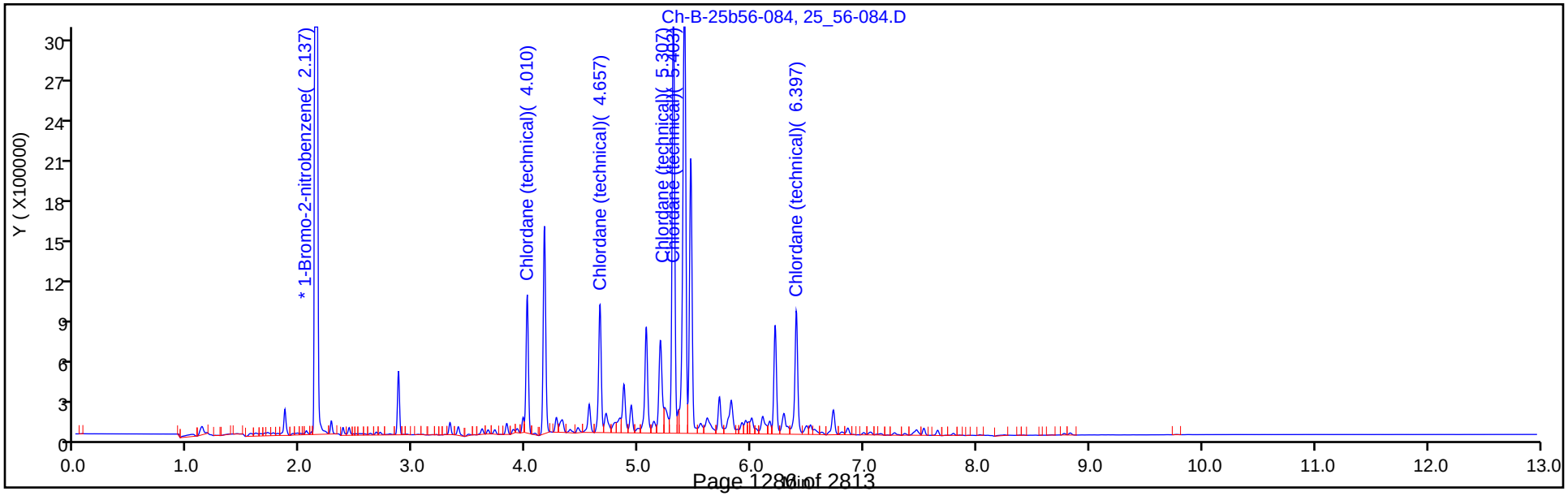
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-084.D				
Injection Date:	09-Mar-2022 08:42:17	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

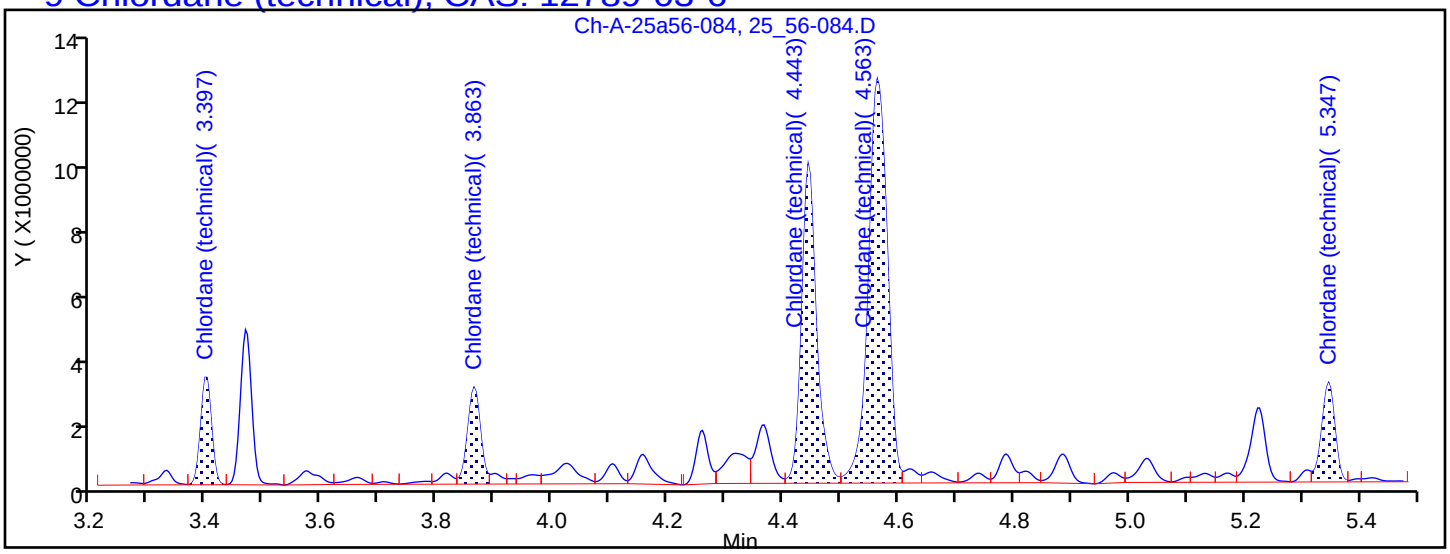


Report Date: 09-Mar-2022 13:14:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

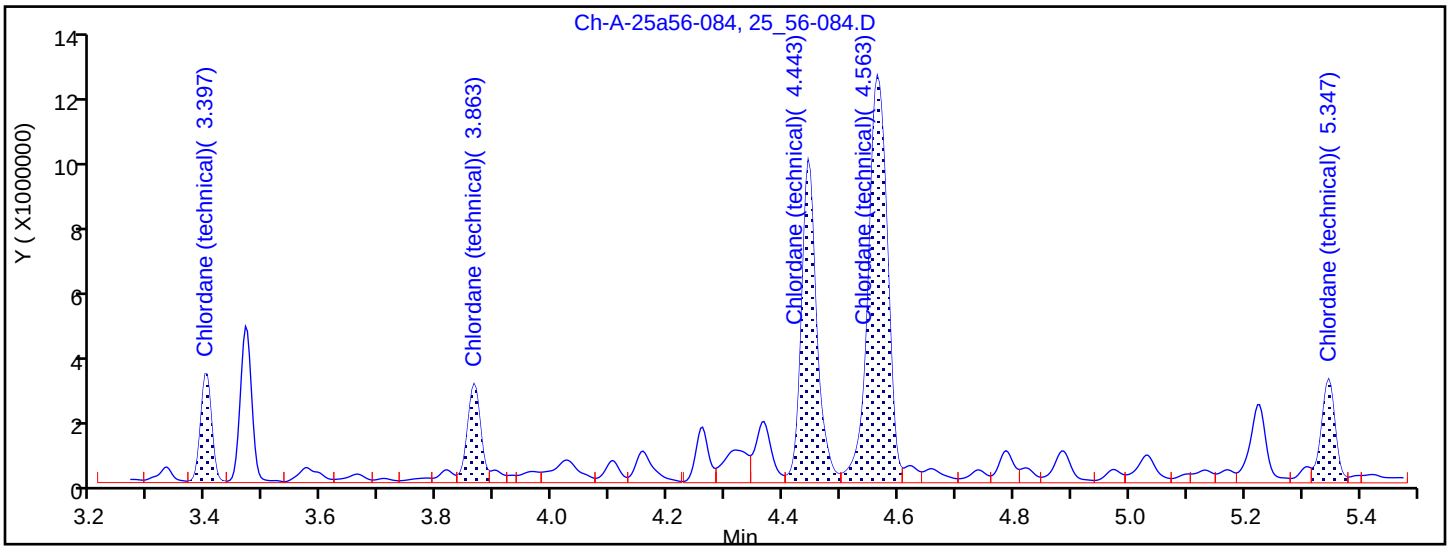
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-084.D
Injection Date: 09-Mar-2022 08:42:17 Instrument ID: HP6890-25
Lims ID: ccv
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: IS-8081 Limit Group: GC - 8081B IS ICAL
Column: RTX-CLPI (0.53 mm) Detector Ch-A-6A58132

9 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.397	Response = 4179322
3.863	Response = 4487912
4.443	Response = 17037878
4.563	Response = 27195360
5.347	Response = 4687897



Manual Integration Results

3.397	Response = 4314582	M
3.863	Response = 4675321	M
4.443	Response = 17515493	M
4.563	Response = 27752409	M
5.347	Response = 5158058	M

Reviewer: salversonj, 09-Mar-2022 09:10:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/6 Calibration Date: 03/09/2022 08:42

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_56-084.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		0.0501		0.529	0.500	5.8	20.0
Chlordane (technical) Peak 2	Lin1		0.0529		0.541	0.500	8.1	20.0
Chlordane (technical) Peak 3	Lin1		0.1780		0.514	0.500	2.7	20.0
Chlordane (technical) Peak 4	Lin1		0.2148		0.536	0.500	7.1	20.0
Chlordane (technical) Peak 5	Lin1		0.0564		0.536	0.500	7.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/6 Calibration Date: 03/09/2022 08:42

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 11:25

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 12:43

Lab File ID: 25_56-084.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	4.01	3.98	4.04
Chlordane (technical) Peak 2	4.66	4.63	4.69
Chlordane (technical) Peak 3	5.31	5.28	5.34
Chlordane (technical) Peak 4	5.40	5.37	5.43
Chlordane (technical) Peak 5	6.40	6.37	6.43

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-084.D				
Lims ID:	ccv				
Client ID:					
Sample Type:	CCV				
Inject. Date:	09-Mar-2022 08:42:17	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Sublist:	chrom-IS-8081*sub11				
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:18	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 09:17:10		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.910	0.000	92195837	0.5000	0.5000	
2	2.137	2.137	0.000	28934450	0.5000	0.5000	
						RPD = 0.00	
9 Chlordane (technical)							M
1	3.397	3.397	0.000	4314582	0.5000	0.5695	M
1	3.863	3.863	0.000	4675321	0.5000	0.5731	M
1	4.443	4.443	0.000	17515493	0.5000	0.5576	M
1	4.563	4.563	0.000	27752409	0.5000	0.5337	M
1	5.347	5.347	0.000	5158058	0.5000	0.5616	M
		Average of Peak Amounts =				0.5591	
2	4.010	4.010	0.000	1449115	0.5000	0.5292	
2	4.657	4.657	0.000	1531050	0.5000	0.5407	
2	5.307	5.307	0.000	5149583	0.5000	0.5136	
2	5.403	5.403	0.000	6213693	0.5000	0.5356	
2	6.397	6.397	0.000	1632150	0.5000	0.5362	
		Average of Peak Amounts =				0.5310	
						RPD = 5.15	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

CHLOR_CCV0.5_00178 Amount Added: 1.00 Units: mL

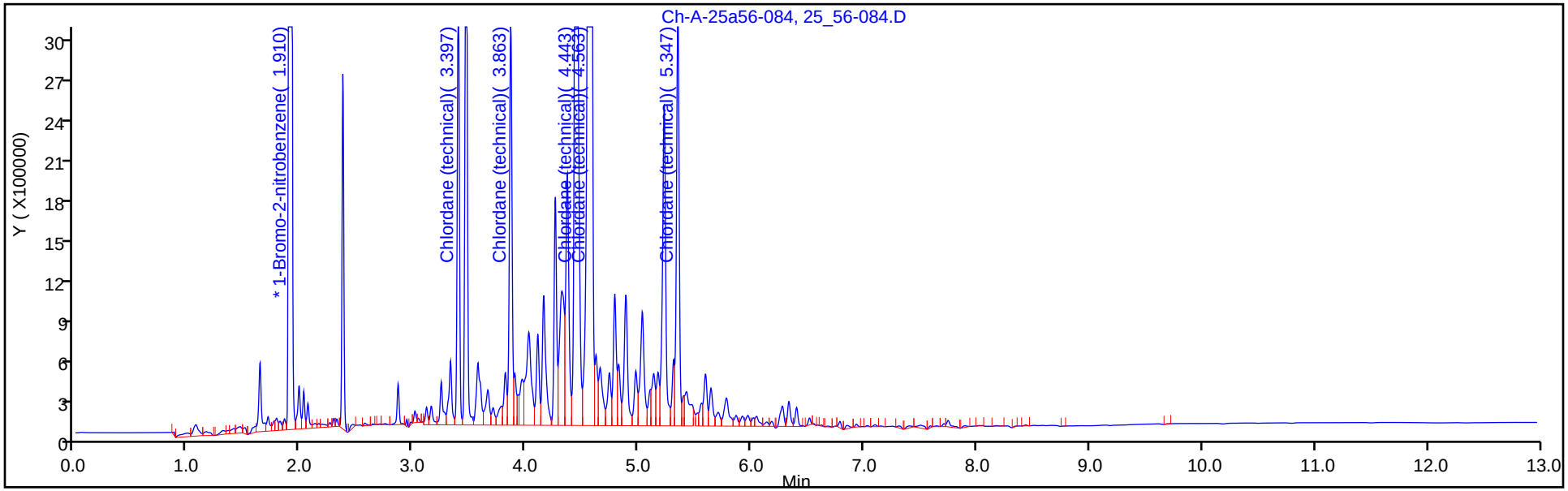
Report Date: 09-Mar-2022 13:14:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

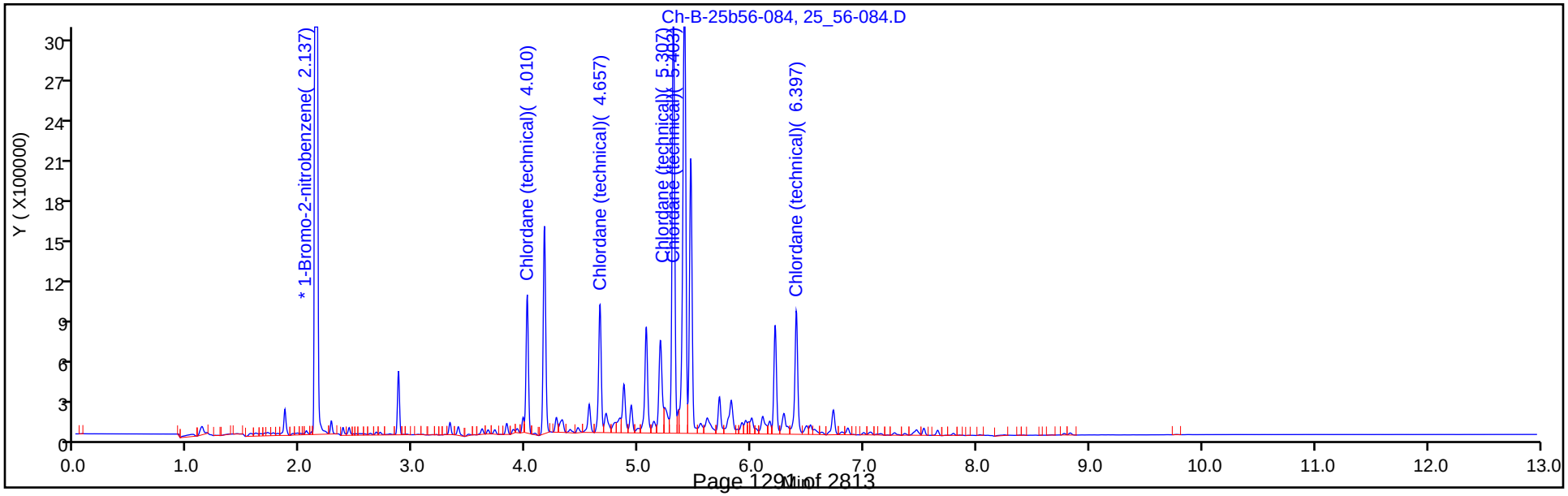
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-084.D

Injection Date:	09-Mar-2022 08:42:17	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/7 Calibration Date: 03/09/2022 09:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_56-085.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0539		0.449	0.500	-10.1	20.0
Toxaphene Peak 2	Lin1		0.0852		0.499	0.500	-0.1	20.0
Toxaphene Peak 3	Lin1		0.0422		0.453	0.500	-9.3	20.0
Toxaphene Peak 4	Lin1		0.0405		0.425	0.500	-14.9	20.0
Toxaphene Peak 5	Lin1		0.0372		0.444	0.500	-11.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/7 Calibration Date: 03/09/2022 09:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_56-085.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.41	5.38	5.44
Toxaphene Peak 2	5.53	5.50	5.56
Toxaphene Peak 3	5.76	5.73	5.79
Toxaphene Peak 4	6.08	6.05	6.11
Toxaphene Peak 5	6.18	6.15	6.21

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-085.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 09:01:54 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist: chrom-IS-8081*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:22 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 09:36:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.910	0.000	98296375	0.5000	0.5000	
2	2.137	2.137	0.000	30437269	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.407	5.407	0.000	5301338	0.5000	0.4493	
1	5.527	5.527	0.000	8372559	0.5000	0.4995	
1	5.757	5.757	0.000	4147017	0.5000	0.4534	
1	6.083	6.083	0.000	3985458	0.5000	0.4254	
1	6.180	6.180	0.000	3656421	0.5000	0.4440	
		Average of Peak Amounts =				0.4543	
2	5.787	5.787	0.000	930007	0.5000	0.4924	M
2	6.333	6.333	0.000	1199779	0.5000	0.4606	M
2	6.433	6.433	0.000	2309053	0.5000	0.4654	M
2	6.697	6.697	0.000	1405908	0.5000	0.4669	M
2	7.223	7.223	0.000	1097411	0.5000	0.4473	M
		Average of Peak Amounts =				0.4665	
						RPD = 2.65	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

TOX_CCV_0.5_00169 Amount Added: 1.00 Units: mL

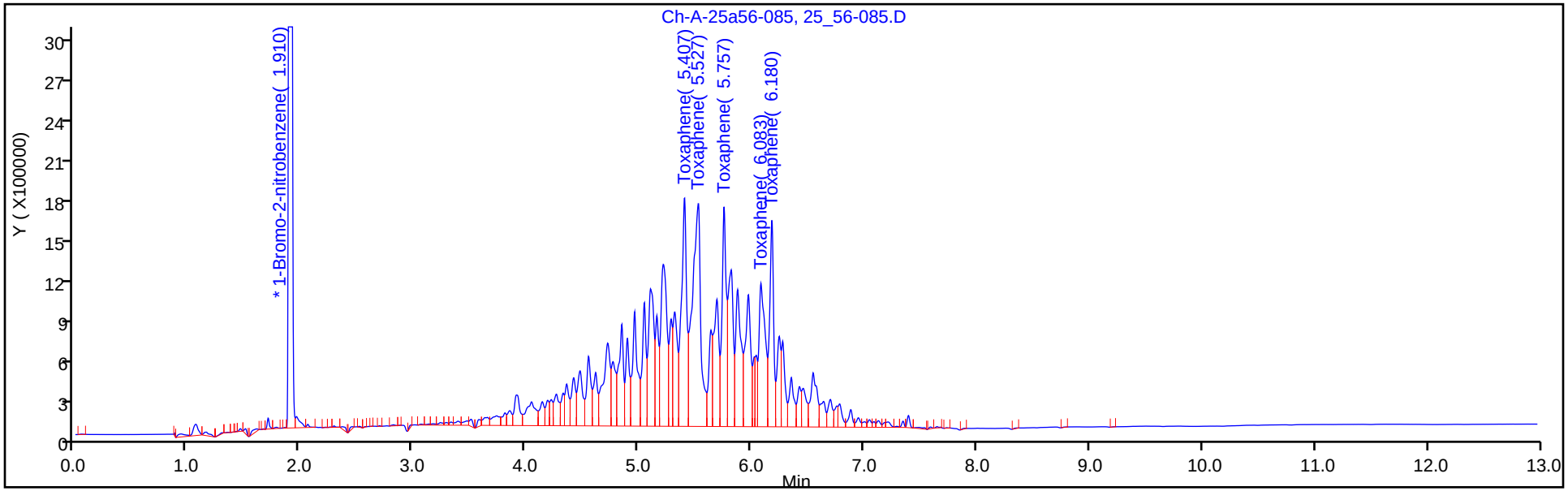
Report Date: 09-Mar-2022 13:14:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

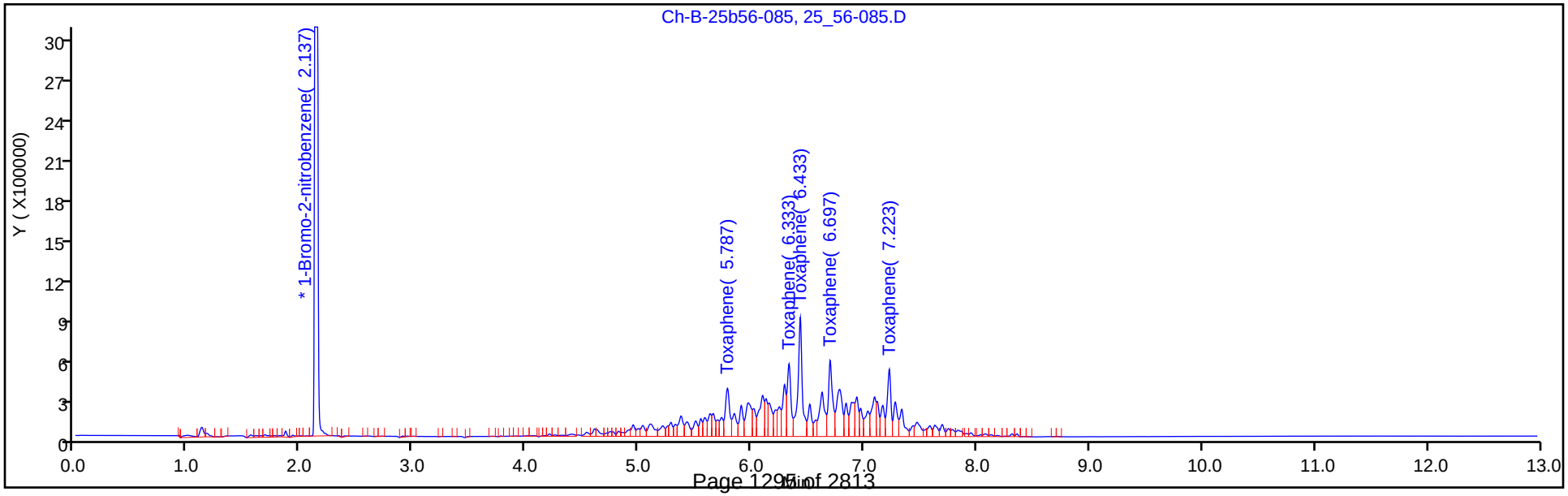
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-085.D

Injection Date:	09-Mar-2022 09:01:54	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/7 Calibration Date: 03/09/2022 09:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_56-085.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0306		0.492	0.500	-1.5	20.0
Toxaphene Peak 2	Lin1		0.0394		0.461	0.500	-7.9	20.0
Toxaphene Peak 3	Lin1		0.0759		0.465	0.500	-6.9	20.0
Toxaphene Peak 4	Lin1		0.0462		0.467	0.500	-6.6	20.0
Toxaphene Peak 5	Lin1		0.0361		0.447	0.500	-10.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617227/7 Calibration Date: 03/09/2022 09:01

Instrument ID: HP6890-25 Calib Start Date: 12/23/2021 13:22

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/23/2021 14:41

Lab File ID: 25_56-085.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.79	5.76	5.82
Toxaphene Peak 2	6.33	6.30	6.36
Toxaphene Peak 3	6.43	6.40	6.46
Toxaphene Peak 4	6.70	6.67	6.73
Toxaphene Peak 5	7.22	7.19	7.25

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-085.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 09:01:54 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25
Sublist: chrom-IS-8081*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:22 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 09:36:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.910	0.000	98296375	0.5000	0.5000	
2	2.137	2.137	0.000	30437269	0.5000	0.5000	
						RPD = 0.00	
23 Toxaphene							M
1	5.407	5.407	0.000	5301338	0.5000	0.4493	
1	5.527	5.527	0.000	8372559	0.5000	0.4995	
1	5.757	5.757	0.000	4147017	0.5000	0.4534	
1	6.083	6.083	0.000	3985458	0.5000	0.4254	
1	6.180	6.180	0.000	3656421	0.5000	0.4440	
		Average of Peak Amounts =				0.4543	
2	5.787	5.787	0.000	930007	0.5000	0.4924	M
2	6.333	6.333	0.000	1199779	0.5000	0.4606	M
2	6.433	6.433	0.000	2309053	0.5000	0.4654	M
2	6.697	6.697	0.000	1405908	0.5000	0.4669	M
2	7.223	7.223	0.000	1097411	0.5000	0.4473	M
		Average of Peak Amounts =				0.4665	
						RPD = 2.65	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

TOX_CCV_0.5_00169 Amount Added: 1.00 Units: mL

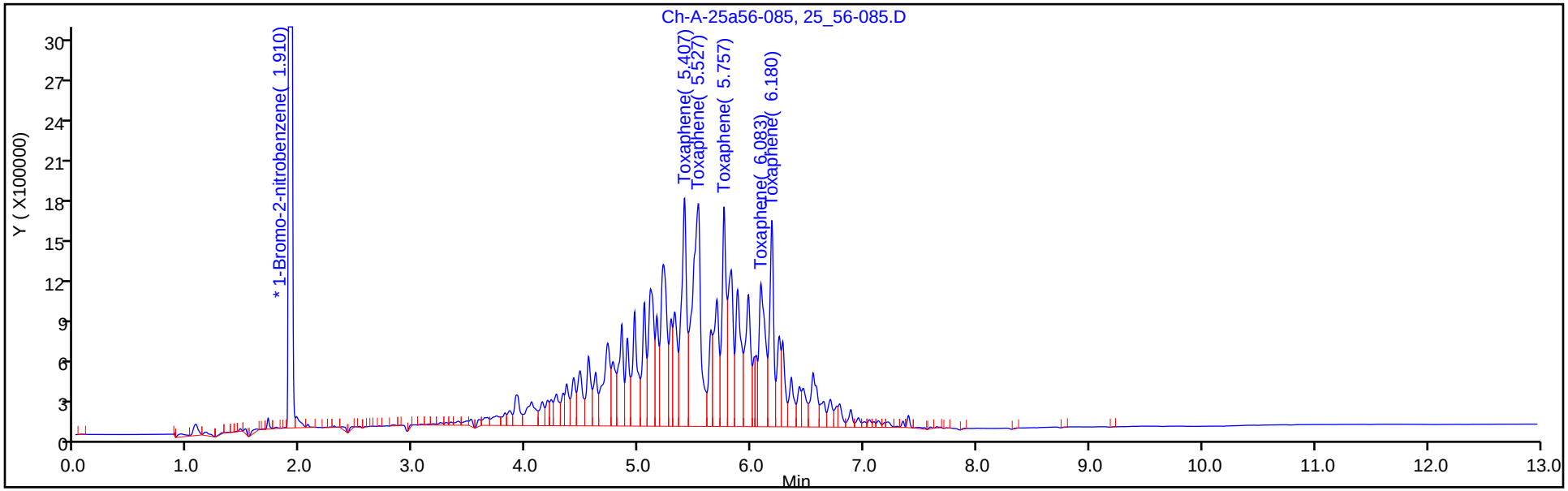
Report Date: 09-Mar-2022 13:14:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

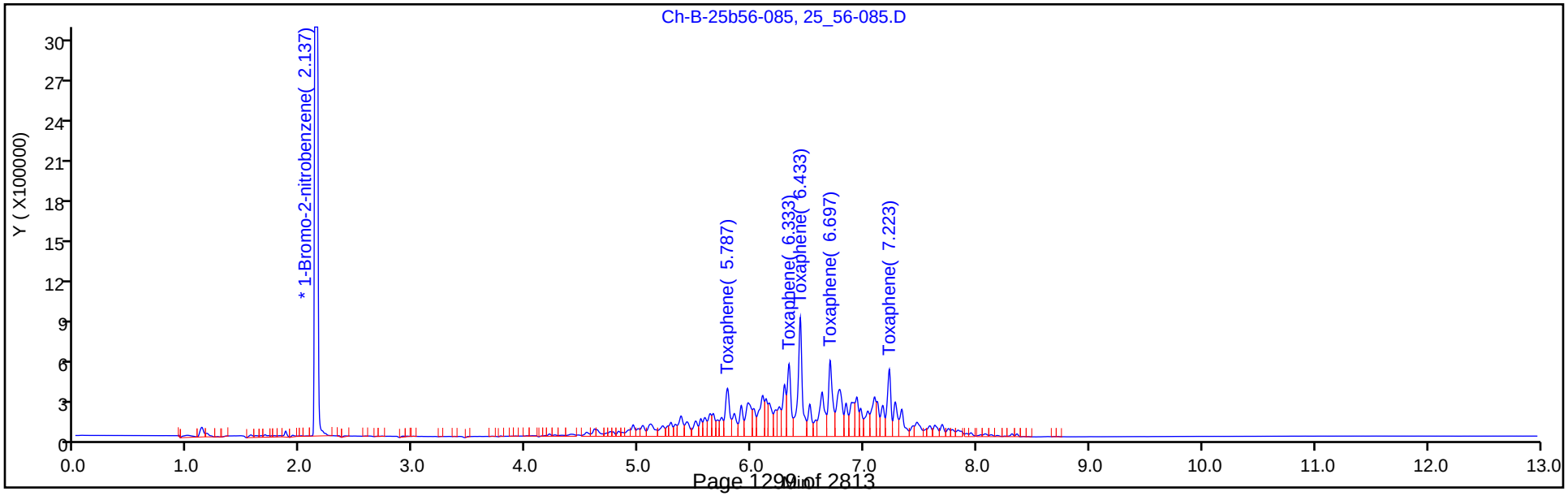
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-085.D

Injection Date:	09-Mar-2022 09:01:54	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 09-Mar-2022 13:14:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-085.D

Injection Date: 09-Mar-2022 09:01:54 Instrument ID: HP6890-25

Lims ID: ccv

Client ID:

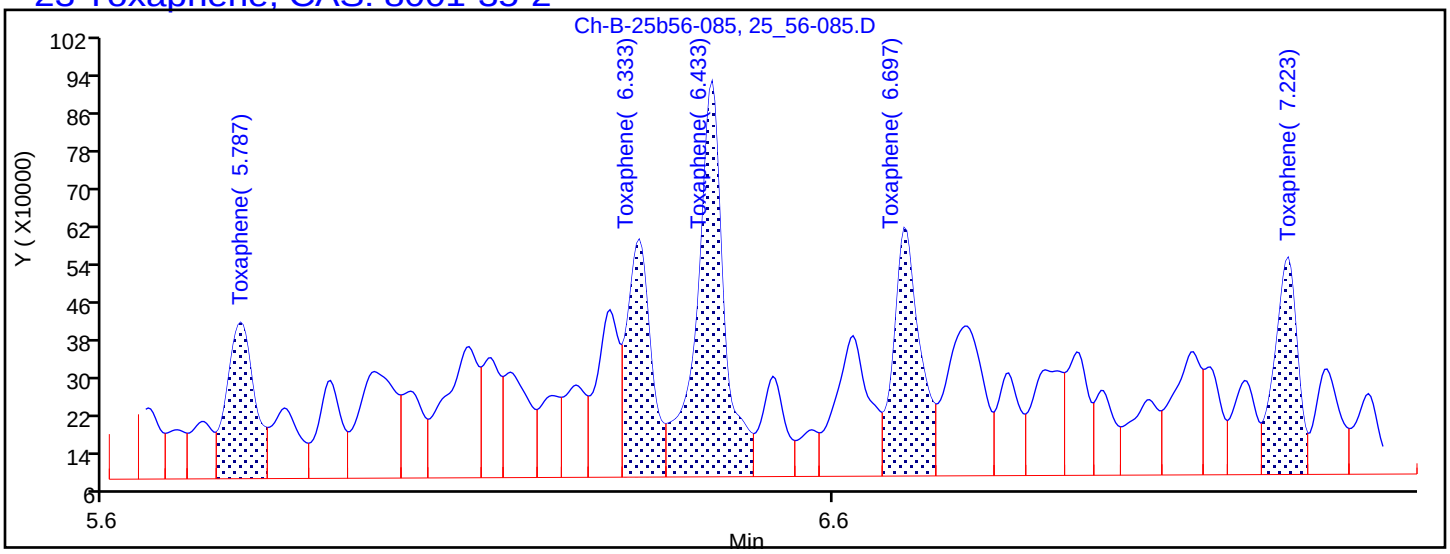
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

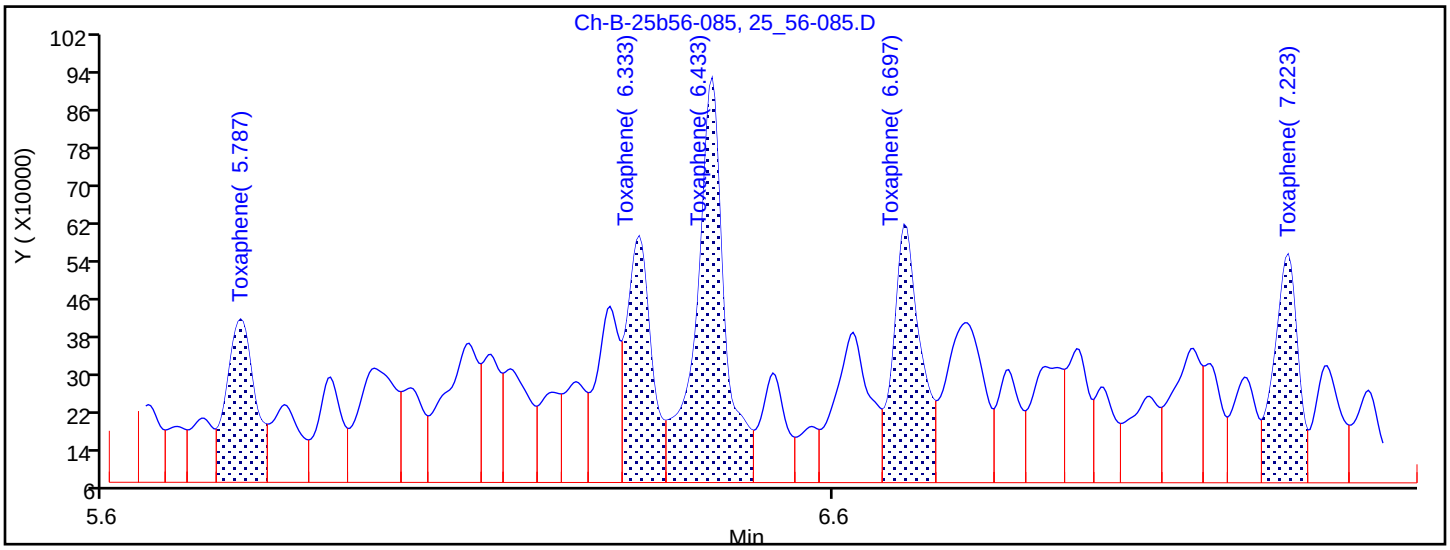
Column: RTX-CLPII (0.53 mm) Detector Ch-B-6b58132

23 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.787	Response = 868307
6.333	Response = 1133247
6.433	Response = 2171537
6.697	Response = 1313609
7.223	Response = 1004256



Manual Integration Results

5.787	Response = 930007	M
6.333	Response = 1199779	M
6.433	Response = 2309053	M
6.697	Response = 1405908	M
7.223	Response = 1097411	M

Reviewer: salversonj, 09-Mar-2022 09:17:49

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617096/1-A
Matrix: Solid
Lab File ID: 25_56-087.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 09:41
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	ND		0.000050	0.0000015
12789-03-6	Chlordane (technical)	ND		0.00050	0.0000073
72-20-8	Endrin	ND		0.000050	0.0000035
76-44-8	Heptachlor	ND		0.000050	0.0000021
1024-57-3	Heptachlor epoxide	ND		0.000050	0.0000013
72-43-5	Methoxychlor	ND		0.000050	0.0000035
8001-35-2	Toxaphene	ND		0.00050	0.000030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		20-120
877-09-8	Tetrachloro-m-xylene	85		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D				
Lims ID:	MB 480-617096/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 09:41:14	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 09:56:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.903	0.007	86090566	0.5000	0.5000	
2	2.137	2.133	0.004	28086535	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.417	2.420	-0.003	1995332	0.0200	0.0171	
2	2.830	2.833	-0.003	933413	0.0200	0.0137	
						RPD = 22.11	
$ 33 DCB Decachlorobiphenyl							
1	7.580	7.583	-0.003	1355095	0.0200	0.008601	
2	8.720	8.727	-0.007	583119	0.0200	0.009287	
						RPD = 7.67	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

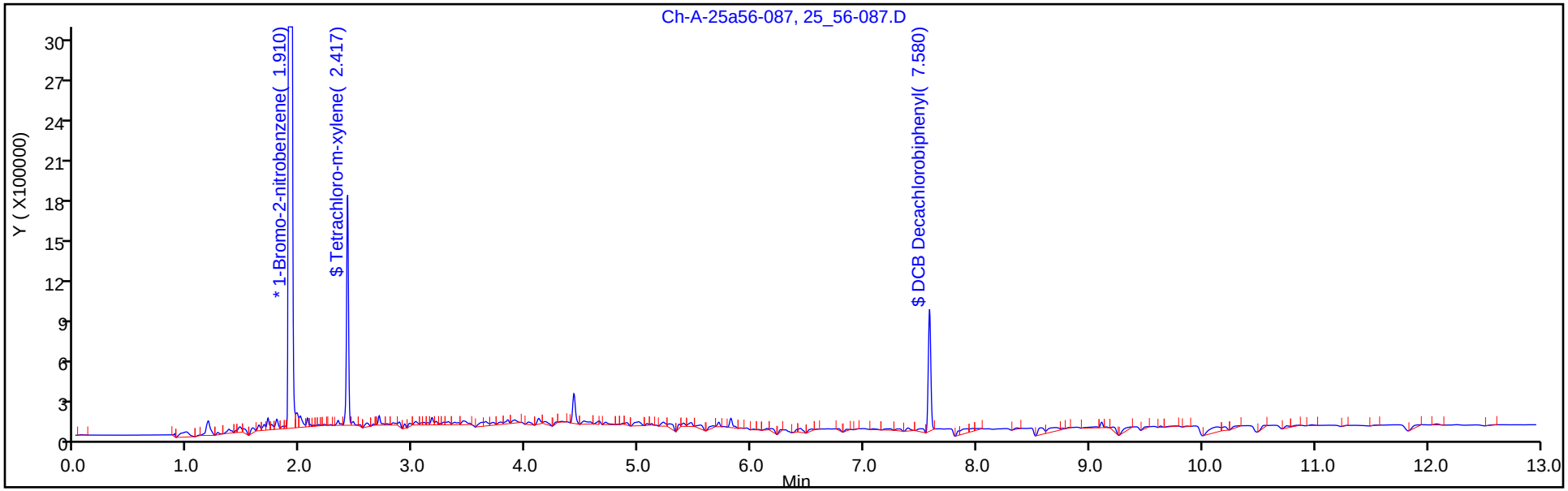
Report Date: 09-Mar-2022 13:14:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

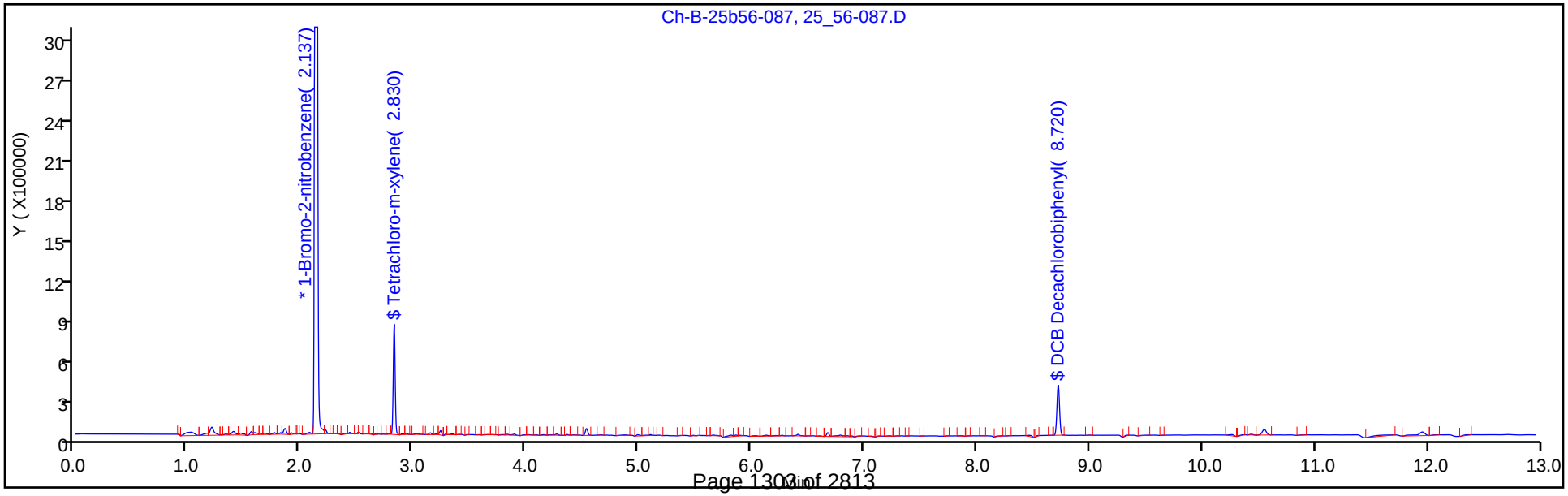
Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D

Injection Date:	09-Mar-2022 09:41:14	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	MB 480-617096/1-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D				
Lims ID:	MB 480-617096/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 09:41:14	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 09:56:13		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0171	85.45
$ 33 DCB Decachlorobiphenyl	0.0200	0.008601	43.00

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0137	68.44
$ 33 DCB Decachlorobiphenyl	0.0200	0.009287	46.43

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617096/1-A
Matrix: Solid
Lab File ID: 25_56-087.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 09:41
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	46		20-120
877-09-8	Tetrachloro-m-xylene	68		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D				
Lims ID:	MB 480-617096/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 09:41:14	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 09:56:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.910	1.903	0.007	86090566	0.5000	0.5000	
2	2.137	2.133	0.004	28086535	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.417	2.420	-0.003	1995332	0.0200	0.0171	
2	2.830	2.833	-0.003	933413	0.0200	0.0137	
						RPD = 22.11	
$ 33 DCB Decachlorobiphenyl							
1	7.580	7.583	-0.003	1355095	0.0200	0.008601	
2	8.720	8.727	-0.007	583119	0.0200	0.009287	
						RPD = 7.67	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D

Injection Date: 09-Mar-2022 09:41:14 Instrument ID: HP6890-25 Operator ID: BufTCHROM

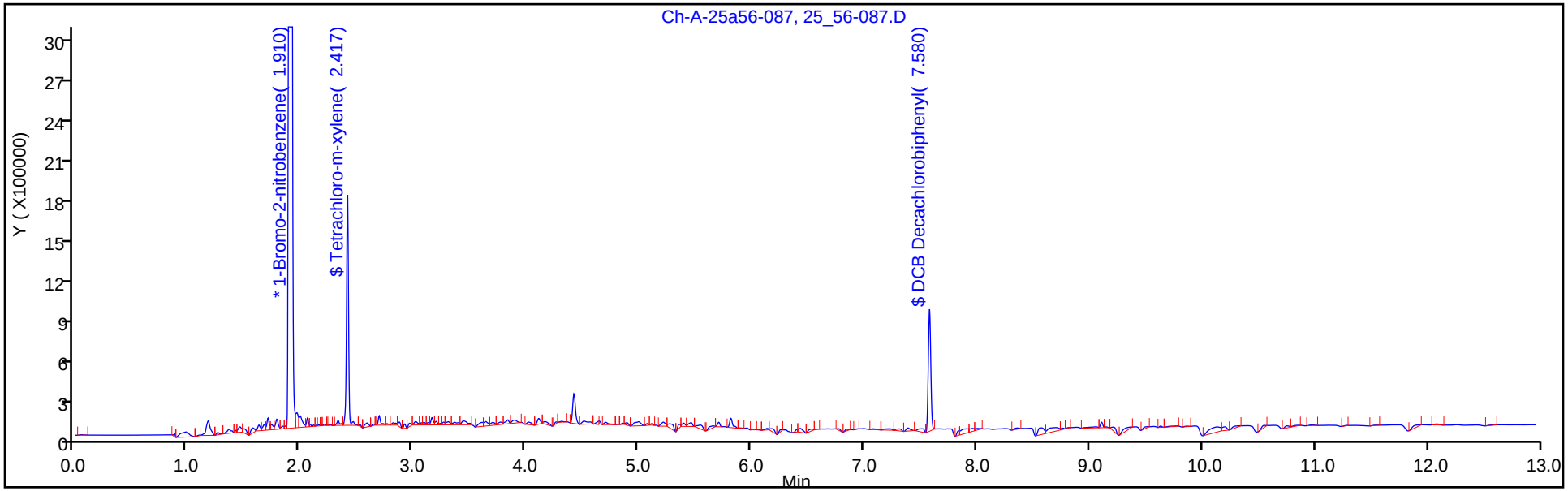
Lims ID: MB 480-617096/1-A Worklist Smp#: 9

Client ID:

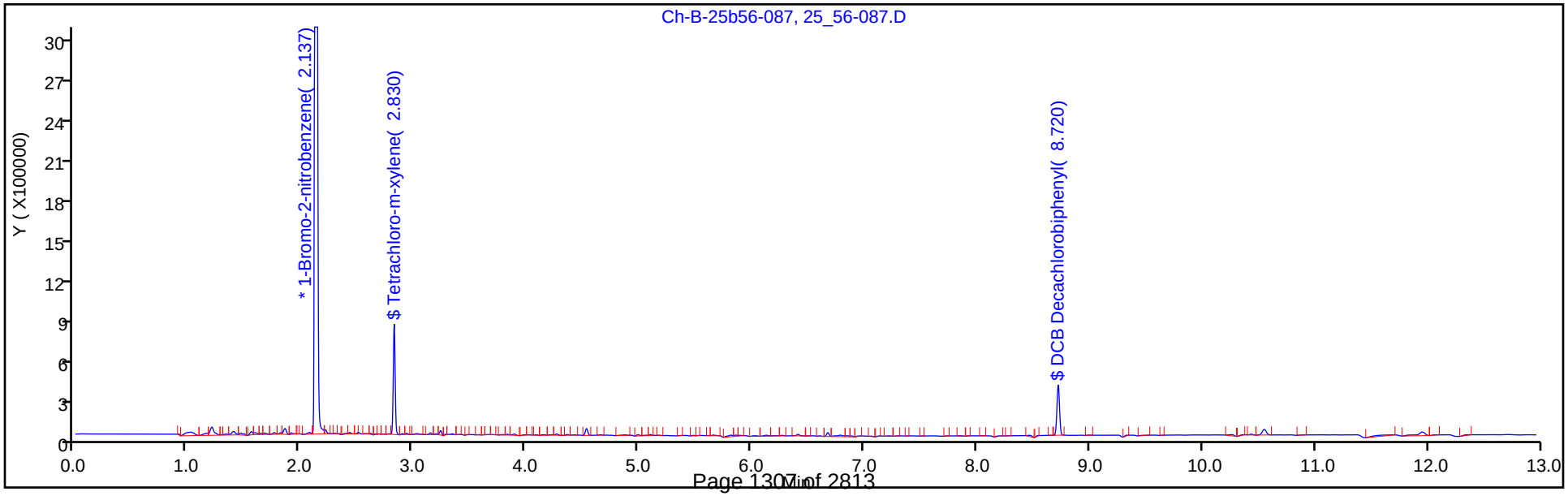
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-087.D				
Lims ID:	MB 480-617096/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 09:41:14	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 09:56:13		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0171	85.45
$ 33 DCB Decachlorobiphenyl	0.0200	0.008601	43.00

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0137	68.44
$ 33 DCB Decachlorobiphenyl	0.0200	0.009287	46.43

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 480-616935/1-B
Matrix: Solid (TCLP)
Lab File ID: 25_56-092.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 11:19
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	ND		0.00020	0.0000060
12789-03-6	Chlordane (technical)	ND		0.0020	0.000029
72-20-8	Endrin	ND		0.00020	0.000014
76-44-8	Heptachlor	ND		0.00020	0.0000085
1024-57-3	Heptachlor epoxide	ND		0.00020	0.0000053
72-43-5	Methoxychlor	ND		0.00020	0.000014
8001-35-2	Toxaphene	ND		0.0020	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		20-120
877-09-8	Tetrachloro-m-xylene	96		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D				
Lims ID:	LB 480-616935/1-B				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 11:19:19	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 11:51:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	86183620	0.5000	0.5000	
2	2.137	2.133	0.004	29167026	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	2234828	0.0200	0.0192	
2	2.827	2.833	-0.006	963111	0.0200	0.0136	
						RPD = 34.28	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1847218	0.0200	0.0121	
2	8.720	8.727	-0.007	824824	0.0200	0.0127	
						RPD = 4.90	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D

Injection Date: 09-Mar-2022 11:19:19 Instrument ID: HP6890-25 Operator ID: BufTCHROM

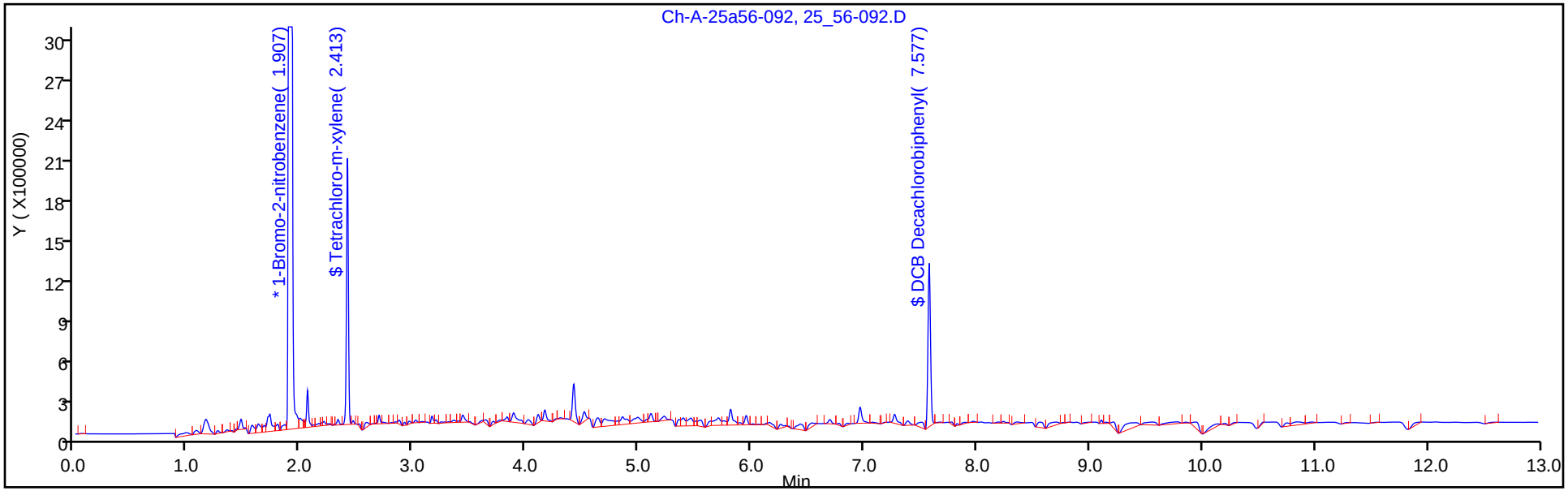
Lims ID: LB 480-616935/1-B Worklist Smp#: 14

Client ID:

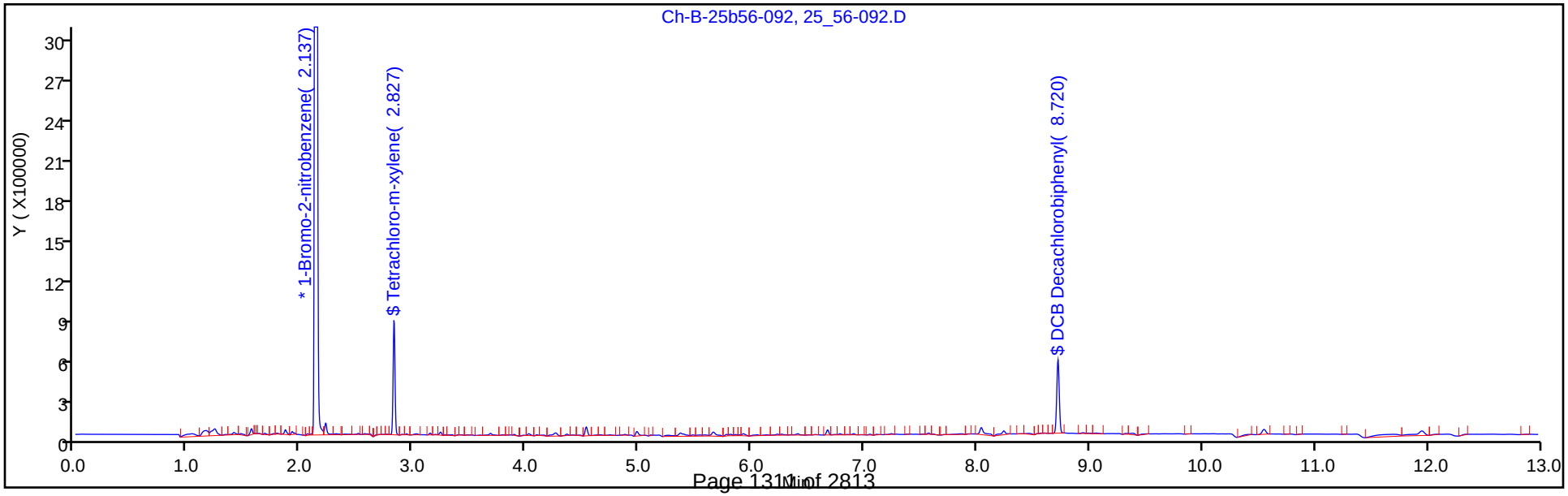
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D				
Lims ID:	LB 480-616935/1-B				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 11:19:19	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		

Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m		
Limit Group:	GC - 8081B IS ICAL		
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01
Integrator:	Falcon		
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D		

Column 1 :	RTX-CLPI (0.53 mm)	Det: Ch-A-6A58132
Column 2 :	RTX-CLPII (0.53 mm)	Det: Ch-B-6b58132
Process Host:	CTX1635	

First Level Reviewer: salversonj Date: 09-Mar-2022 11:51:42

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0192	96.09
$ 33 DCB Decachlorobiphenyl	0.0200	0.0121	60.43

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0136	67.98
$ 33 DCB Decachlorobiphenyl	0.0200	0.0127	63.46

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 480-616935/1-B
Matrix: Solid (TCLP)
Lab File ID: 25_56-092.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 11:19
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		20-120
877-09-8	Tetrachloro-m-xylene	68		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D				
Lims ID:	LB 480-616935/1-B				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 11:19:19	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				

First Level Reviewer: salversonj Date: 09-Mar-2022 11:51:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	86183620	0.5000	0.5000	
2	2.137	2.133	0.004	29167026	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	2234828	0.0200	0.0192	
2	2.827	2.833	-0.006	963111	0.0200	0.0136	
						RPD = 34.28	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1847218	0.0200	0.0121	
2	8.720	8.727	-0.007	824824	0.0200	0.0127	
						RPD = 4.90	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D

Injection Date: 09-Mar-2022 11:19:19 Instrument ID: HP6890-25 Operator ID: BufTCHROM

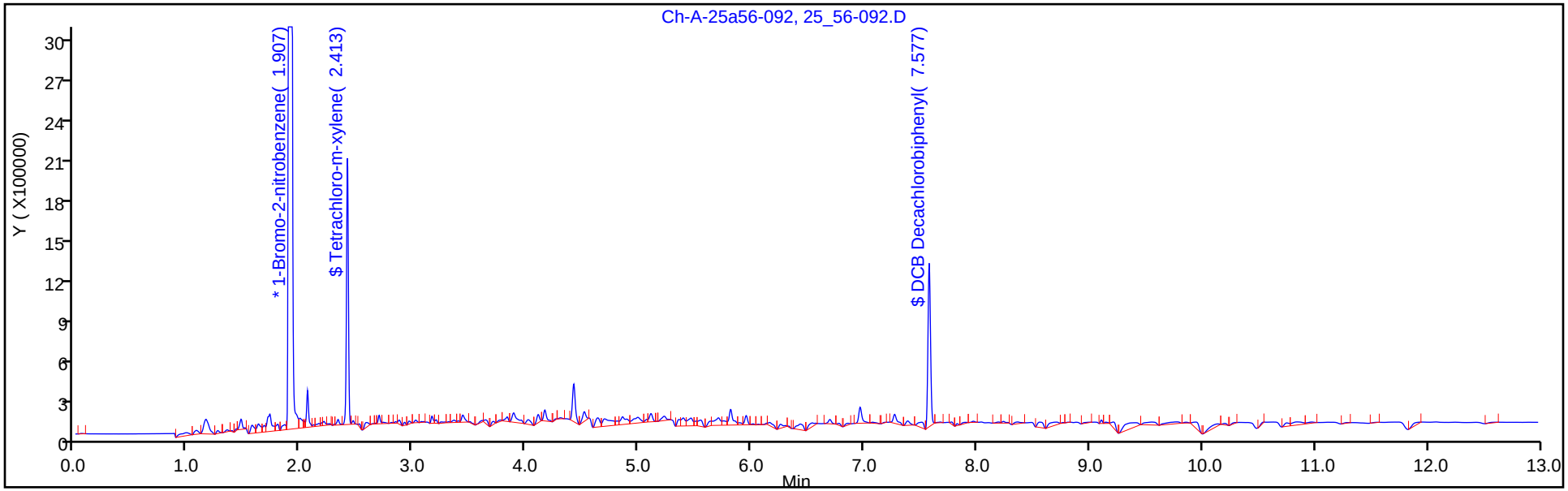
Lims ID: LB 480-616935/1-B Worklist Smp#: 14

Client ID:

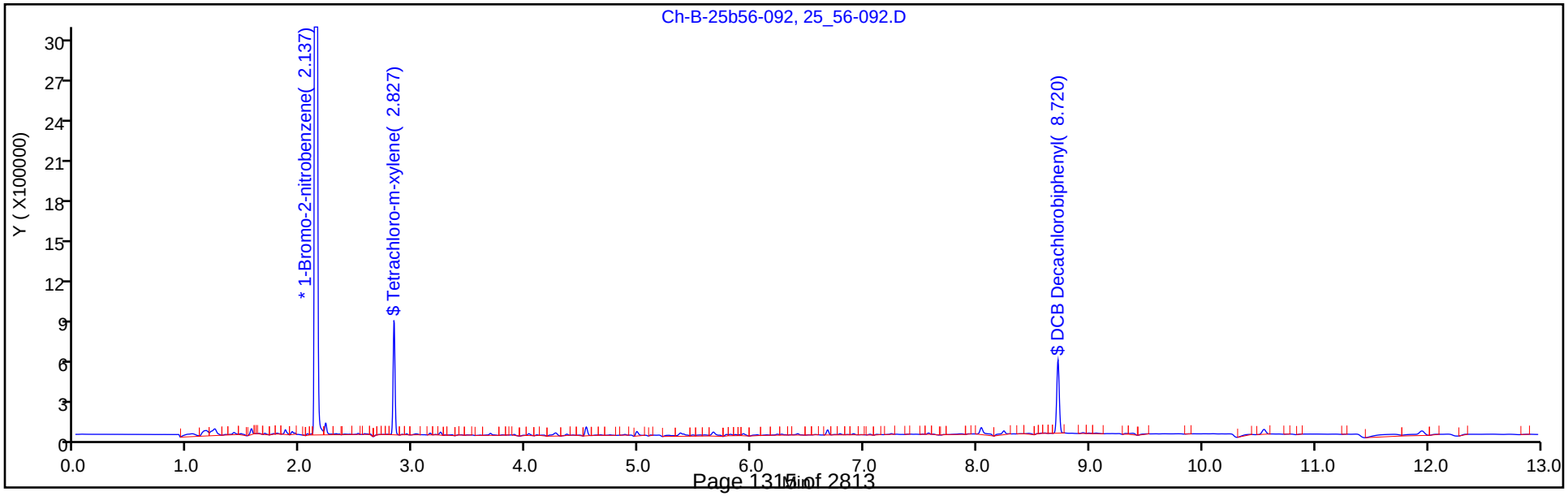
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-092.D				
Lims ID:	LB 480-616935/1-B				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 11:19:19	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 11:51:42		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0192	96.09
$ 33 DCB Decachlorobiphenyl	0.0200	0.0121	60.43

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0136	67.98
$ 33 DCB Decachlorobiphenyl	0.0200	0.0127	63.46

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Lab File ID: 25_56-088.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 10:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	0.000459		0.000050	0.0000015
72-20-8	Endrin	0.000534		0.000050	0.0000035
76-44-8	Heptachlor	0.000479		0.000050	0.0000021
1024-57-3	Heptachlor epoxide	0.000554		0.000050	0.0000013
72-43-5	Methoxychlor	0.000534		0.000050	0.0000035

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49		20-120
877-09-8	Tetrachloro-m-xylene	55		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D
Lims ID: LCS 480-617096/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Mar-2022 10:00:51 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:25 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 10:53:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	80721166	0.5000	0.5000	
2	2.133	2.133	0.000	26395803	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	1238093	0.0200	0.0110	
2	2.827	2.833	-0.006	1001181	0.0200	0.0157	
						RPD = 35.06	
5 alpha-BHC							
1	2.820	2.827	-0.007	13215422	0.0500	0.0441	
2	3.360	3.367	-0.007	4711557	0.0500	0.0457	
						RPD = 3.55	
6 gamma-BHC (Lindane)							
1	3.067	3.073	-0.006	12321177	0.0500	0.0459	
2	3.700	3.707	-0.007	4274191	0.0500	0.0464	
						RPD = 1.05	
7 beta-BHC							
1	3.133	3.143	-0.010	4103345	0.0500	0.0428	
2	3.770	3.777	-0.007	1719754	0.0500	0.0455	
						RPD = 6.00	
8 delta-BHC							
1	3.287	3.293	-0.006	10448650	0.0500	0.0394	
2	4.073	4.080	-0.007	4450175	0.0500	0.0489	
						RPD = 21.50	
10 Heptachlor							
1	3.463	3.473	-0.010	10768224	0.0500	0.0479	
2	4.160	4.167	-0.007	4286883	0.0500	0.0478	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.733	3.740	-0.007	7765937	0.0500	0.0325	
2	4.507	4.513	-0.006	2911274	0.0500	0.0319	
						RPD = 1.74	
13 Heptachlor epoxide							
1	4.317	4.323	-0.006	10483782	0.0500	0.0554	
2	5.103	5.113	-0.010	3971358	0.0500	0.0535	
						RPD = 3.52	
17 4,4'-DDE							
1	4.657	4.667	-0.010	9235179	0.0500	0.0457	
2	5.620	5.627	-0.007	3625370	0.0500	0.0462	
						RPD = 1.09	
18 Endosulfan I							
1	4.710	4.720	-0.010	6896235	0.0500	0.0390	
2	5.523	5.530	-0.007	3594881	0.0500	0.0514	
						RPD = 27.39	
20 Dieldrin							
1	4.953	4.960	-0.007	7854548	0.0500	0.0376	
2	5.807	5.817	-0.010	3851976	0.0500	0.0497	
						RPD = 27.61	
22 Endrin							
1	5.187	5.193	-0.006	10147237	0.0500	0.0534	
2	6.127	6.133	-0.006	3784685	0.0500	0.0523	
						RPD = 2.19	
24 4,4'-DDD							
1	5.263	5.273	-0.010	7861932	0.0500	0.0475	
2	6.220	6.227	-0.007	3379086	0.0500	0.0539	
						RPD = 12.75	
26 Endosulfan II							
1	5.413	5.420	-0.007	5887200	0.0500	0.0366	
2	6.340	6.350	-0.010	3232876	0.0500	0.0505	
						RPD = 31.74	
27 4,4'-DDT							
1	5.547	5.557	-0.010	9257910	0.0500	0.0545	
2	6.547	6.553	-0.006	2876788	0.0500	0.0499	
						RPD = 8.88	
28 Endrin aldehyde							
1	5.840	5.850	-0.010	6134520	0.0500	0.0472	
2	6.683	6.693	-0.010	2096197	0.0500	0.0422	
						RPD = 11.17	
29 Methoxychlor							
1	6.053	6.060	-0.007	4171016	0.0500	0.0534	
2	7.233	7.240	-0.007	1685124	0.0500	0.0603	
						RPD = 12.06	
31 Endosulfan sulfate							
1	6.283	6.290	-0.007	8055647	0.0500	0.0488	
2	6.967	6.977	-0.010	3225682	0.0500	0.0537	
						RPD = 9.56	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
32 Endrin ketone							
1	6.563	6.570	-0.007	8261134	0.0500	0.0481	
2	7.517	7.523	-0.006	3404332	0.0500	0.0558	
						RPD = 14.69	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1421497	0.0200	0.009745	
2	8.720	8.727	-0.007	603551	0.0200	0.0102	
						RPD = 4.95	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D

Injection Date: 09-Mar-2022 10:00:51 Instrument ID: HP6890-25 Operator ID: BufTCHROM

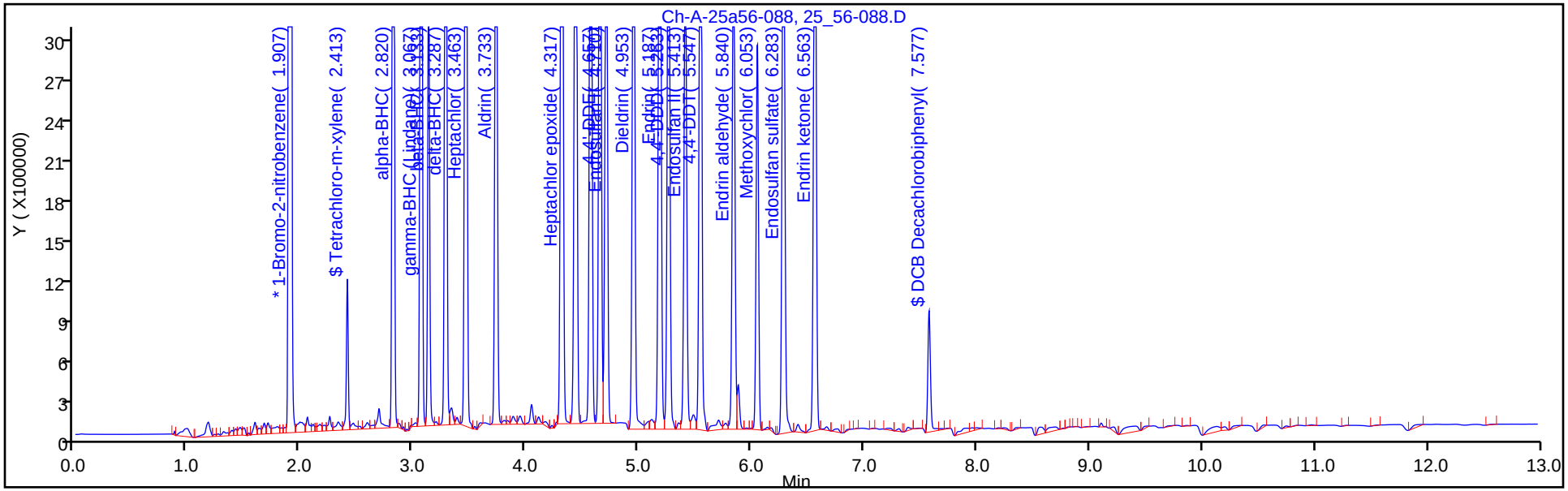
Lims ID: LCS 480-617096/2-A Worklist Smp#: 10

Client ID:

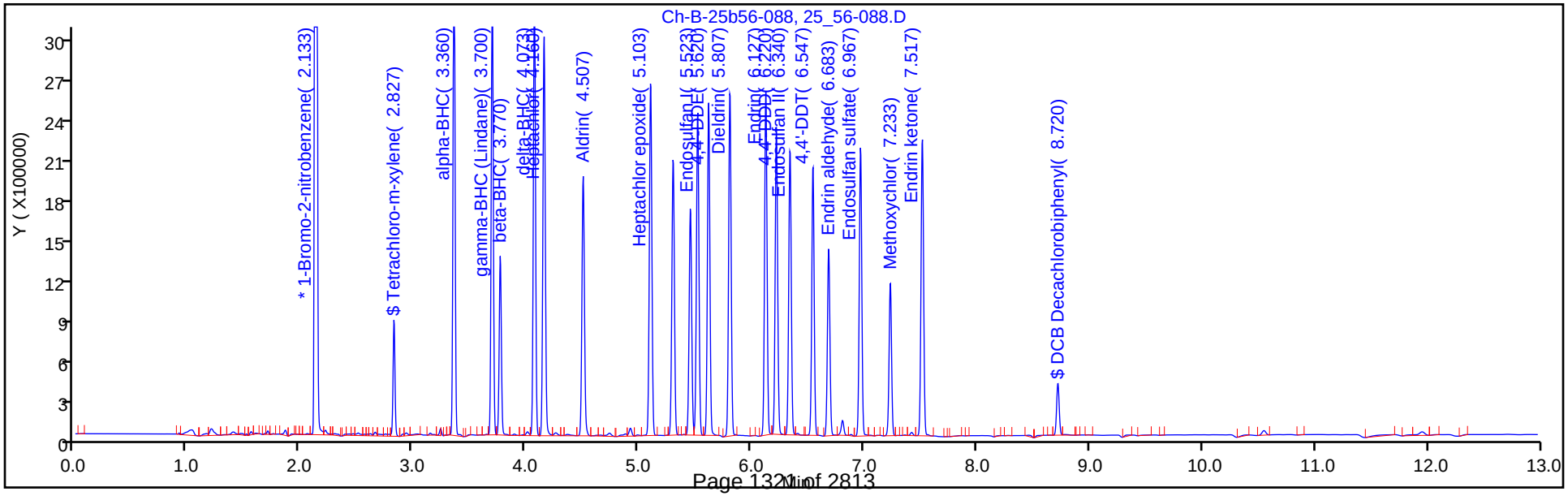
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D				
Lims ID:	LCS 480-617096/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Mar-2022 10:00:51	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 10:53:04		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0110	55.16
$ 33 DCB Decachlorobiphenyl	0.0200	0.009745	48.73

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0157	78.60
$ 33 DCB Decachlorobiphenyl	0.0200	0.0102	51.20

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Lab File ID: 25_56-088.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 10:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51		20-120
877-09-8	Tetrachloro-m-xylene	79		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D
Lims ID: LCS 480-617096/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Mar-2022 10:00:51 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel A: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:25 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 10:53:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	80721166	0.5000	0.5000	
2	2.133	2.133	0.000	26395803	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	1238093	0.0200	0.0110	
2	2.827	2.833	-0.006	1001181	0.0200	0.0157	
						RPD = 35.06	
5 alpha-BHC							
1	2.820	2.827	-0.007	13215422	0.0500	0.0441	
2	3.360	3.367	-0.007	4711557	0.0500	0.0457	
						RPD = 3.55	
6 gamma-BHC (Lindane)							
1	3.067	3.073	-0.006	12321177	0.0500	0.0459	
2	3.700	3.707	-0.007	4274191	0.0500	0.0464	
						RPD = 1.05	
7 beta-BHC							
1	3.133	3.143	-0.010	4103345	0.0500	0.0428	
2	3.770	3.777	-0.007	1719754	0.0500	0.0455	
						RPD = 6.00	
8 delta-BHC							
1	3.287	3.293	-0.006	10448650	0.0500	0.0394	
2	4.073	4.080	-0.007	4450175	0.0500	0.0489	
						RPD = 21.50	
10 Heptachlor							
1	3.463	3.473	-0.010	10768224	0.0500	0.0479	
2	4.160	4.167	-0.007	4286883	0.0500	0.0478	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.733	3.740	-0.007	7765937	0.0500	0.0325	
2	4.507	4.513	-0.006	2911274	0.0500	0.0319	
						RPD = 1.74	
13 Heptachlor epoxide							
1	4.317	4.323	-0.006	10483782	0.0500	0.0554	
2	5.103	5.113	-0.010	3971358	0.0500	0.0535	
						RPD = 3.52	
17 4,4'-DDE							
1	4.657	4.667	-0.010	9235179	0.0500	0.0457	
2	5.620	5.627	-0.007	3625370	0.0500	0.0462	
						RPD = 1.09	
18 Endosulfan I							
1	4.710	4.720	-0.010	6896235	0.0500	0.0390	
2	5.523	5.530	-0.007	3594881	0.0500	0.0514	
						RPD = 27.39	
20 Dieldrin							
1	4.953	4.960	-0.007	7854548	0.0500	0.0376	
2	5.807	5.817	-0.010	3851976	0.0500	0.0497	
						RPD = 27.61	
22 Endrin							
1	5.187	5.193	-0.006	10147237	0.0500	0.0534	
2	6.127	6.133	-0.006	3784685	0.0500	0.0523	
						RPD = 2.19	
24 4,4'-DDD							
1	5.263	5.273	-0.010	7861932	0.0500	0.0475	
2	6.220	6.227	-0.007	3379086	0.0500	0.0539	
						RPD = 12.75	
26 Endosulfan II							
1	5.413	5.420	-0.007	5887200	0.0500	0.0366	
2	6.340	6.350	-0.010	3232876	0.0500	0.0505	
						RPD = 31.74	
27 4,4'-DDT							
1	5.547	5.557	-0.010	9257910	0.0500	0.0545	
2	6.547	6.553	-0.006	2876788	0.0500	0.0499	
						RPD = 8.88	
28 Endrin aldehyde							
1	5.840	5.850	-0.010	6134520	0.0500	0.0472	
2	6.683	6.693	-0.010	2096197	0.0500	0.0422	
						RPD = 11.17	
29 Methoxychlor							
1	6.053	6.060	-0.007	4171016	0.0500	0.0534	
2	7.233	7.240	-0.007	1685124	0.0500	0.0603	
						RPD = 12.06	
31 Endosulfan sulfate							
1	6.283	6.290	-0.007	8055647	0.0500	0.0488	
2	6.967	6.977	-0.010	3225682	0.0500	0.0537	
						RPD = 9.56	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
32 Endrin ketone							
1	6.563	6.570	-0.007	8261134	0.0500	0.0481	
2	7.517	7.523	-0.006	3404332	0.0500	0.0558	
						RPD = 14.69	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1421497	0.0200	0.009745	
2	8.720	8.727	-0.007	603551	0.0200	0.0102	
						RPD = 4.95	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D

Injection Date: 09-Mar-2022 10:00:51 Instrument ID: HP6890-25 Operator ID: BufTCHROM

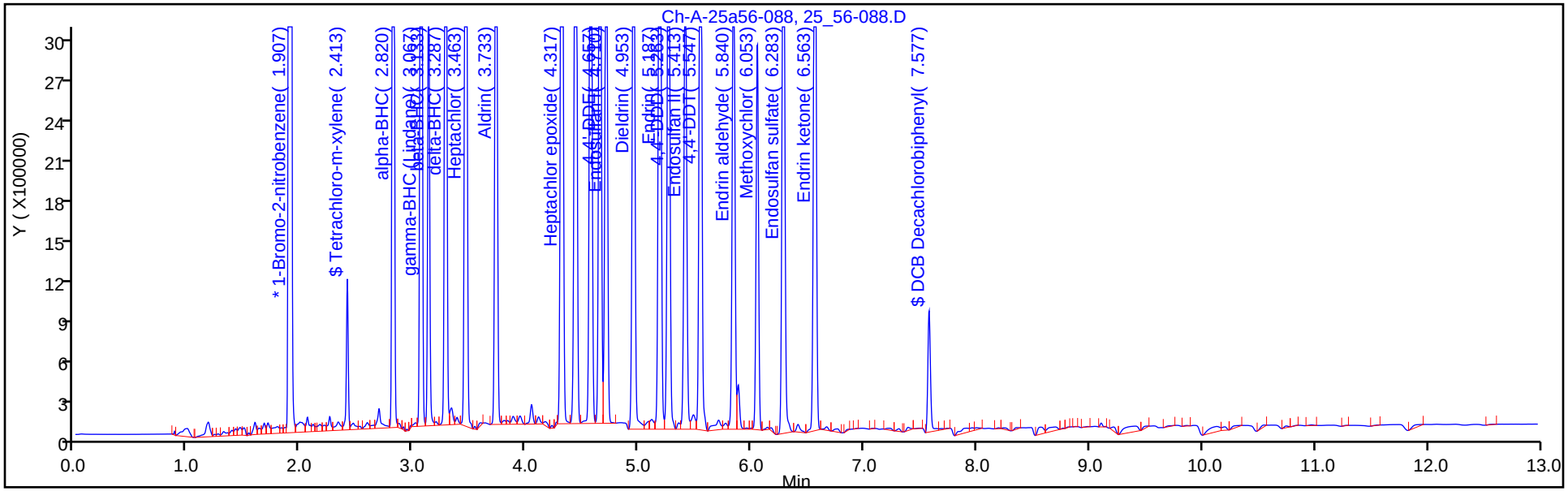
Lims ID: LCS 480-617096/2-A Worklist Smp#: 10

Client ID:

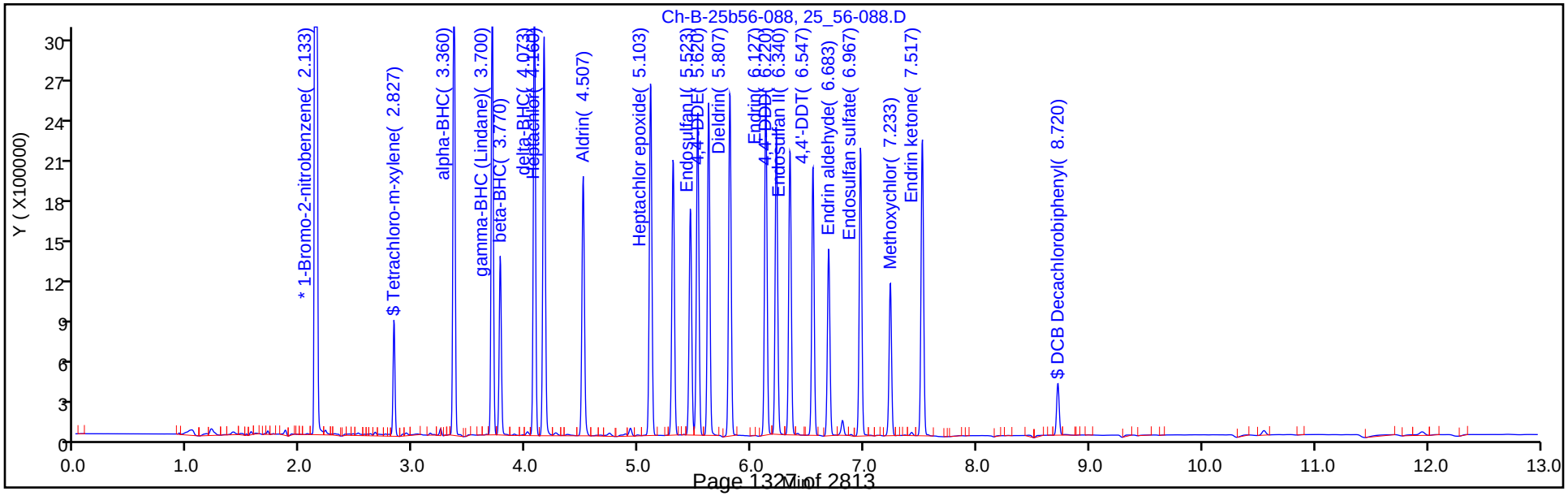
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-088.D				
Lims ID:	LCS 480-617096/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Mar-2022 10:00:51	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel A: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D				
Column 1 :	RTX-CLPI (0.53 mm)		Det: Ch-A-6A58132		
Column 2 :	RTX-CLPII (0.53 mm)		Det: Ch-B-6b58132		
Process Host:	CTX1635				
First Level Reviewer: salversonj		Date:	09-Mar-2022 10:53:04		

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0110	55.16
$ 33 DCB Decachlorobiphenyl	0.0200	0.009745	48.73

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0157	78.60
$ 33 DCB Decachlorobiphenyl	0.0200	0.0102	51.20

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-617096/3-A
Matrix: Solid
Lab File ID: 25_56-089.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 10:20
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
58-89-9	gamma-BHC (Lindane)	0.000456		0.000050	0.0000015
72-20-8	Endrin	0.000515		0.000050	0.0000035
76-44-8	Heptachlor	0.000499		0.000050	0.0000021
1024-57-3	Heptachlor epoxide	0.000537		0.000050	0.0000013
72-43-5	Methoxychlor	0.000532		0.000050	0.0000035

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	39		20-120
877-09-8	Tetrachloro-m-xylene	83		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D
Lims ID: LCSD 480-617096/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Mar-2022 10:20:31 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:25 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 10:57:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	87552713	0.5000	0.5000	
2	2.133	2.133	0.000	28377272	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	1972336	0.0200	0.0166	
2	2.827	2.833	-0.006	1038356	0.0200	0.0151	
						RPD = 9.12	
5 alpha-BHC							
1	2.820	2.827	-0.007	14695465	0.0500	0.0452	
2	3.360	3.367	-0.007	4957878	0.0500	0.0447	
						RPD = 1.08	
6 gamma-BHC (Lindane)							
1	3.067	3.073	-0.006	13288357	0.0500	0.0456	
2	3.700	3.707	-0.007	4692239	0.0500	0.0473	
						RPD = 3.71	
7 beta-BHC							
1	3.137	3.143	-0.006	5409802	0.0500	0.0523	
2	3.770	3.777	-0.007	1996149	0.0500	0.0492	
						RPD = 6.07	
8 delta-BHC							
1	3.283	3.293	-0.010	14165647	0.0500	0.0493	
2	4.073	4.080	-0.007	4986197	0.0500	0.0510	
						RPD = 3.36	
10 Heptachlor							
1	3.463	3.473	-0.010	12142242	0.0500	0.0499	
2	4.157	4.167	-0.010	4535801	0.0500	0.0470	
						RPD = 5.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.733	3.740	-0.007	7807664	0.0500	0.0300	
2	4.503	4.513	-0.010	2864759	0.0500	0.0292	
						RPD = 2.83	
13 Heptachlor epoxide							
1	4.317	4.323	-0.006	11024892	0.0500	0.0537	
2	5.103	5.113	-0.010	4062008	0.0500	0.0509	
						RPD = 5.36	
17 4,4'-DDE							
1	4.653	4.667	-0.014	10085092	0.0500	0.0460	
2	5.620	5.627	-0.007	3766619	0.0500	0.0446	
						RPD = 3.01	
18 Endosulfan I							
1	4.710	4.720	-0.010	9444755	0.0500	0.0497	
2	5.520	5.530	-0.010	3736515	0.0500	0.0497	
						RPD = 0.07	
20 Dieldrin							
1	4.950	4.960	-0.010	10359400	0.0500	0.0461	
2	5.807	5.817	-0.010	4278573	0.0500	0.0513	
						RPD = 10.73	
22 Endrin							
1	5.183	5.193	-0.010	10630489	0.0500	0.0515	
2	6.127	6.133	-0.006	3902989	0.0500	0.0501	
						RPD = 2.81	
24 4,4'-DDD							
1	5.263	5.273	-0.010	10036631	0.0500	0.0560	
2	6.220	6.227	-0.007	3490674	0.0500	0.0518	
						RPD = 7.70	
26 Endosulfan II							
1	5.410	5.420	-0.010	8705713	0.0500	0.0503	
2	6.340	6.350	-0.010	3348653	0.0500	0.0486	
						RPD = 3.37	
27 4,4'-DDT							
1	5.547	5.557	-0.010	9990007	0.0500	0.0542	
2	6.543	6.553	-0.010	3254738	0.0500	0.0524	
						RPD = 3.44	
28 Endrin aldehyde							
1	5.840	5.850	-0.010	6441761	0.0500	0.0456	
2	6.683	6.693	-0.010	2286501	0.0500	0.0428	
						RPD = 6.38	
29 Methoxychlor							
1	6.050	6.060	-0.010	4506780	0.0500	0.0532	
2	7.230	7.240	-0.010	1723525	0.0500	0.0574	
						RPD = 7.61	
31 Endosulfan sulfate							
1	6.283	6.290	-0.007	8548266	0.0500	0.0477	
2	6.967	6.977	-0.010	3400232	0.0500	0.0526	
						RPD = 9.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
32 Endrin ketone							
1	6.563	6.570	-0.007	9213280	0.0500	0.0495	
2	7.517	7.523	-0.006	3494911	0.0500	0.0533	
						RPD = 7.31	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1275024	0.0200	0.007880	
2	8.717	8.727	-0.010	573934	0.0200	0.009044	
						RPD = 13.76	

QC Flag Legend

Processing Flags

Reagents:

1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D

Injection Date: 09-Mar-2022 10:20:31 Instrument ID: HP6890-25 Operator ID: BufTCHROM

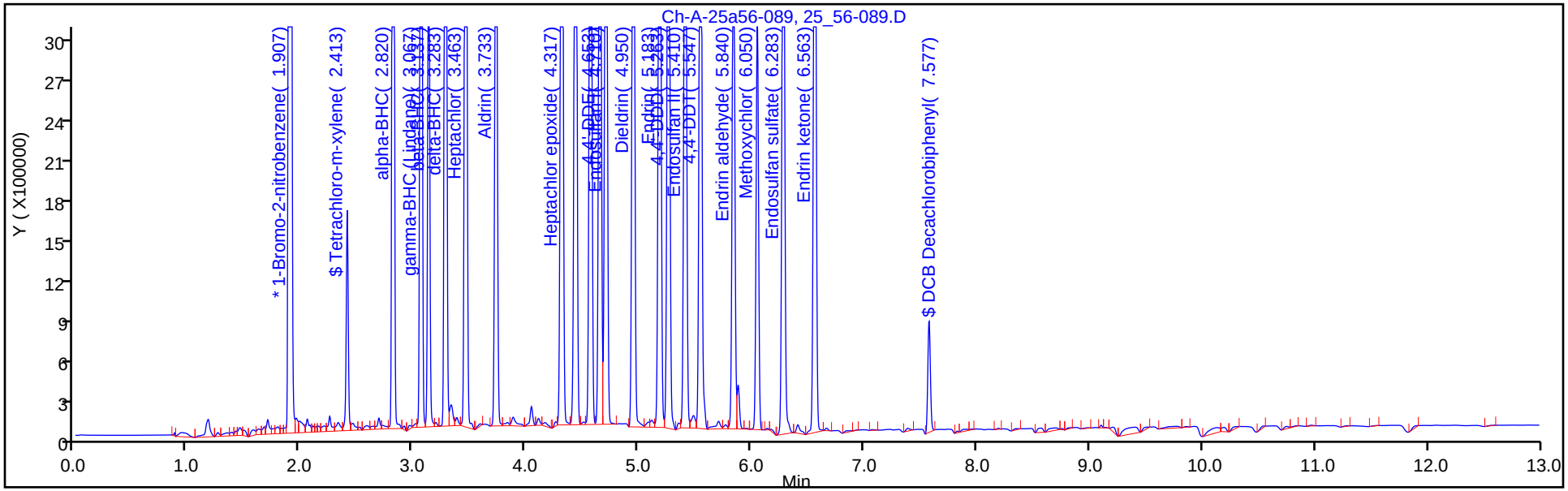
Lims ID: LCSD 480-617096/3-A Worklist Smp#: 11

Client ID:

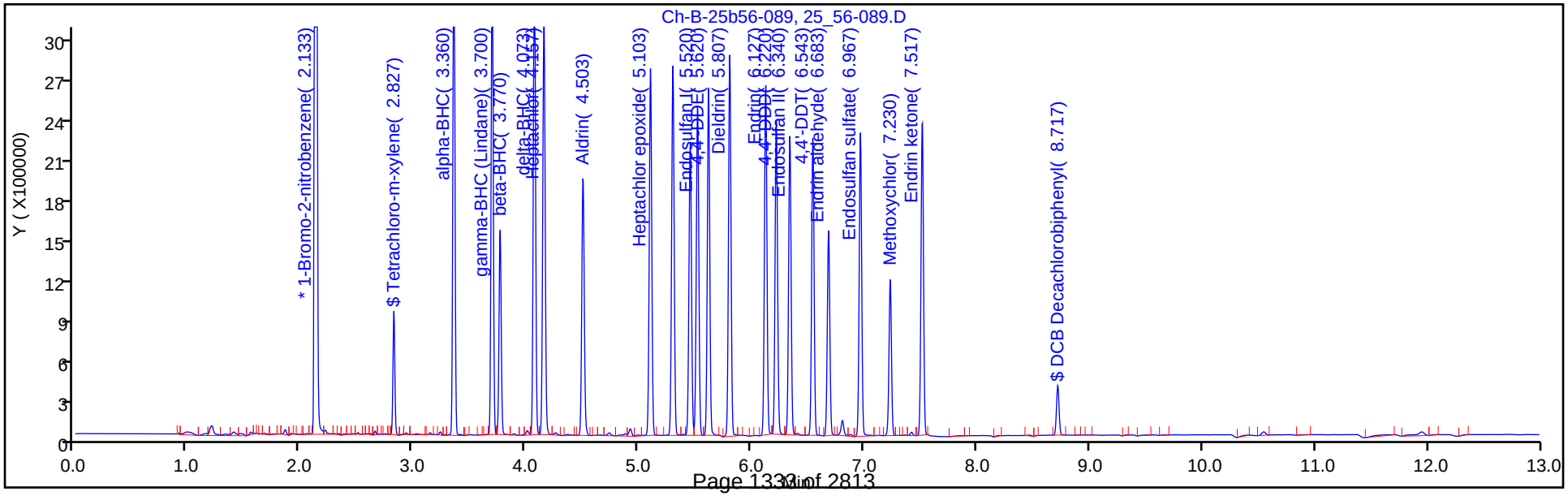
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: IS-8081 Limit Group: GC - 8081B IS ICAL

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D				
Lims ID:	LCSD 480-617096/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	09-Mar-2022 10:20:31	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		

Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m		
Limit Group:	GC - 8081B IS ICAL		
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01
Integrator:	Falcon		
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D		

Column 1 :	RTX-CLPI (0.53 mm)	Det: Ch-A-6A58132
Column 2 :	RTX-CLPII (0.53 mm)	Det: Ch-B-6b58132
Process Host:	CTX1635	

First Level Reviewer: salversonj Date: 09-Mar-2022 10:57:23

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0166	82.94
$ 33 DCB Decachlorobiphenyl	0.0200	0.007880	39.40

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0151	75.71
$ 33 DCB Decachlorobiphenyl	0.0200	0.009044	45.22

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-617096/3-A
Matrix: Solid
Lab File ID: 25_56-089.D
Analysis Method: 8081B
Date Collected:
Extraction Method: 3510C
Date Extracted: 03/08/2022 09:48
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 10:20
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617227
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	45		20-120
877-09-8	Tetrachloro-m-xylene	76		44-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D
Lims ID: LCSD 480-617096/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Mar-2022 10:20:31 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator ID: BufTCHROM Instrument ID: HP6890-25

Method: \\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m
Limit Group: GC - 8081B IS ICAL
Last Update: 09-Mar-2022 13:14:25 Calib Date: 23-Dec-2021 16:39:01
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D

Column 1 : RTX-CLPI (0.53 mm) Det: Ch-A-6A58132
Column 2 : RTX-CLPII (0.53 mm) Det: Ch-B-6b58132
Process Host: CTX1635

First Level Reviewer: salversonj Date: 09-Mar-2022 10:57:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
* 2 1-Bromo-2-nitrobenzene							
1	1.907	1.903	0.004	87552713	0.5000	0.5000	
2	2.133	2.133	0.000	28377272	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.413	2.420	-0.007	1972336	0.0200	0.0166	
2	2.827	2.833	-0.006	1038356	0.0200	0.0151	
						RPD = 9.12	
5 alpha-BHC							
1	2.820	2.827	-0.007	14695465	0.0500	0.0452	
2	3.360	3.367	-0.007	4957878	0.0500	0.0447	
						RPD = 1.08	
6 gamma-BHC (Lindane)							
1	3.067	3.073	-0.006	13288357	0.0500	0.0456	
2	3.700	3.707	-0.007	4692239	0.0500	0.0473	
						RPD = 3.71	
7 beta-BHC							
1	3.137	3.143	-0.006	5409802	0.0500	0.0523	
2	3.770	3.777	-0.007	1996149	0.0500	0.0492	
						RPD = 6.07	
8 delta-BHC							
1	3.283	3.293	-0.010	14165647	0.0500	0.0493	
2	4.073	4.080	-0.007	4986197	0.0500	0.0510	
						RPD = 3.36	
10 Heptachlor							
1	3.463	3.473	-0.010	12142242	0.0500	0.0499	
2	4.157	4.167	-0.010	4535801	0.0500	0.0470	
						RPD = 5.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Aldrin							
1	3.733	3.740	-0.007	7807664	0.0500	0.0300	
2	4.503	4.513	-0.010	2864759	0.0500	0.0292	
						RPD = 2.83	
13 Heptachlor epoxide							
1	4.317	4.323	-0.006	11024892	0.0500	0.0537	
2	5.103	5.113	-0.010	4062008	0.0500	0.0509	
						RPD = 5.36	
17 4,4'-DDE							
1	4.653	4.667	-0.014	10085092	0.0500	0.0460	
2	5.620	5.627	-0.007	3766619	0.0500	0.0446	
						RPD = 3.01	
18 Endosulfan I							
1	4.710	4.720	-0.010	9444755	0.0500	0.0497	
2	5.520	5.530	-0.010	3736515	0.0500	0.0497	
						RPD = 0.07	
20 Dieldrin							
1	4.950	4.960	-0.010	10359400	0.0500	0.0461	
2	5.807	5.817	-0.010	4278573	0.0500	0.0513	
						RPD = 10.73	
22 Endrin							
1	5.183	5.193	-0.010	10630489	0.0500	0.0515	
2	6.127	6.133	-0.006	3902989	0.0500	0.0501	
						RPD = 2.81	
24 4,4'-DDD							
1	5.263	5.273	-0.010	10036631	0.0500	0.0560	
2	6.220	6.227	-0.007	3490674	0.0500	0.0518	
						RPD = 7.70	
26 Endosulfan II							
1	5.410	5.420	-0.010	8705713	0.0500	0.0503	
2	6.340	6.350	-0.010	3348653	0.0500	0.0486	
						RPD = 3.37	
27 4,4'-DDT							
1	5.547	5.557	-0.010	9990007	0.0500	0.0542	
2	6.543	6.553	-0.010	3254738	0.0500	0.0524	
						RPD = 3.44	
28 Endrin aldehyde							
1	5.840	5.850	-0.010	6441761	0.0500	0.0456	
2	6.683	6.693	-0.010	2286501	0.0500	0.0428	
						RPD = 6.38	
29 Methoxychlor							
1	6.050	6.060	-0.010	4506780	0.0500	0.0532	
2	7.230	7.240	-0.010	1723525	0.0500	0.0574	
						RPD = 7.61	
31 Endosulfan sulfate							
1	6.283	6.290	-0.007	8548266	0.0500	0.0477	
2	6.967	6.977	-0.010	3400232	0.0500	0.0526	
						RPD = 9.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
32 Endrin ketone							
1	6.563	6.570	-0.007	9213280	0.0500	0.0495	
2	7.517	7.523	-0.006	3494911	0.0500	0.0533	
						RPD = 7.31	
$ 33 DCB Decachlorobiphenyl							
1	7.577	7.583	-0.006	1275024	0.0200	0.007880	
2	8.717	8.727	-0.010	573934	0.0200	0.009044	
						RPD = 13.76	

QC Flag Legend

Processing Flags

Reagents:

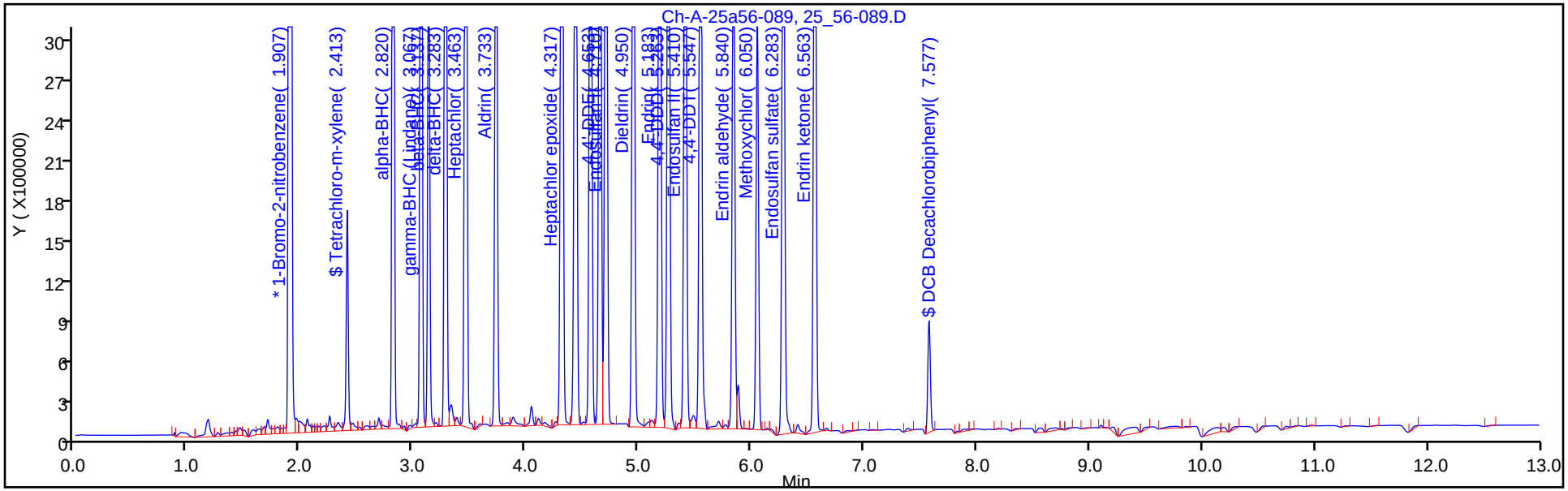
1-Br2nit 50ng_00040 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 13:14:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

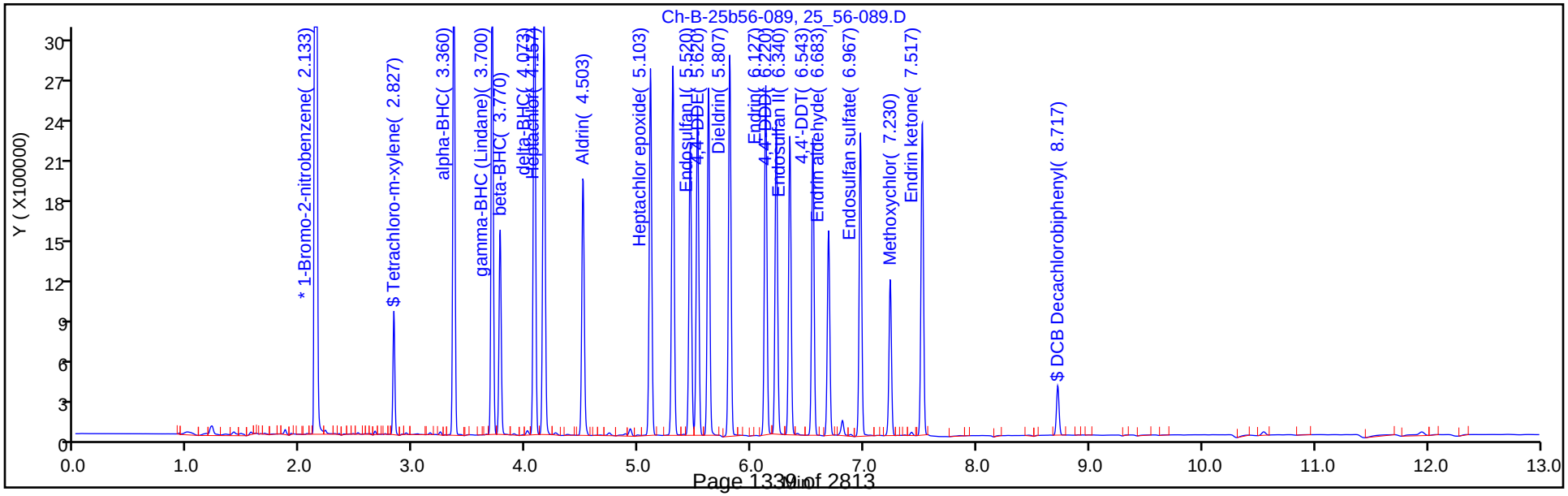
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D				
Injection Date:	09-Mar-2022 10:20:31	Instrument ID:	HP6890-25	Operator ID:	BufTCHROM
Lims ID:	LCSD 480-617096/3-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IS-8081	Limit Group:	GC - 8081B IS ICAL		

Column: RTX-CLPI (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\25_56-089.D				
Lims ID:	LCSD 480-617096/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	09-Mar-2022 10:20:31	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, CN10839003				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		

Method:	\\chromfs\Buffalo\ChromData\HP6890-25\20220309-104277.b\IS-8081.m		
Limit Group:	GC - 8081B IS ICAL		
Last Update:	09-Mar-2022 13:14:25	Calib Date:	23-Dec-2021 16:39:01
Integrator:	Falcon		
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-25\20211223-103234.b\25_53-418.D		

Column 1 :	RTX-CLPI (0.53 mm)	Det: Ch-A-6A58132
Column 2 :	RTX-CLPII (0.53 mm)	Det: Ch-B-6b58132
Process Host:	CTX1635	

First Level Reviewer: salversonj Date: 09-Mar-2022 10:57:23

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0166	82.94
$ 33 DCB Decachlorobiphenyl	0.0200	0.007880	39.40

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 3 Tetrachloro-m-xylene	0.0200	0.0151	75.71
$ 33 DCB Decachlorobiphenyl	0.0200	0.009044	45.22

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-25 Start Date: 12/23/2021 09:27

Analysis Batch Number: 609962 End Date: 12/23/2021 16:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-609962/5 IC		12/23/2021 09:27	1	25_53-396.D	RTX-CLPI 0.53(mm)
STD1 480-609962/5 IC		12/23/2021 09:27	1	25_53-396.D	RTX-CLPII 0.53(mm)
STD2 480-609962/6 IC		12/23/2021 09:47	1	25_53-397.D	RTX-CLPI 0.53(mm)
STD2 480-609962/6 IC		12/23/2021 09:47	1	25_53-397.D	RTX-CLPII 0.53(mm)
STD3 480-609962/7 ICIS		12/23/2021 10:06	1	25_53-398.D	RTX-CLPI 0.53(mm)
STD3 480-609962/7 ICIS		12/23/2021 10:06	1	25_53-398.D	RTX-CLPII 0.53(mm)
STD4 480-609962/8 IC		12/23/2021 10:26	1	25_53-399.D	RTX-CLPI 0.53(mm)
STD4 480-609962/8 IC		12/23/2021 10:26	1	25_53-399.D	RTX-CLPII 0.53(mm)
STD5 480-609962/9 IC		12/23/2021 10:46	1	25_53-400.D	RTX-CLPI 0.53(mm)
STD5 480-609962/9 IC		12/23/2021 10:46	1	25_53-400.D	RTX-CLPII 0.53(mm)
ICV 480-609962/10		12/23/2021 11:05	1	25_53-401.D	RTX-CLPI 0.53(mm)
ICV 480-609962/10		12/23/2021 11:05	1	25_53-401.D	RTX-CLPII 0.53(mm)
STD1 480-609962/11 IC		12/23/2021 11:25	1	25_53-402.D	RTX-CLPI 0.53(mm)
STD1 480-609962/11 IC		12/23/2021 11:25	1	25_53-402.D	RTX-CLPII 0.53(mm)
STD2 480-609962/12 IC		12/23/2021 11:44	1	25_53-403.D	RTX-CLPI 0.53(mm)
STD2 480-609962/12 IC		12/23/2021 11:44	1	25_53-403.D	RTX-CLPII 0.53(mm)
STD3 480-609962/13 IC		12/23/2021 12:04	1	25_53-404.D	RTX-CLPI 0.53(mm)
STD3 480-609962/13 IC		12/23/2021 12:04	1	25_53-404.D	RTX-CLPII 0.53(mm)
STD4 480-609962/14 IC		12/23/2021 12:24	1	25_53-405.D	RTX-CLPI 0.53(mm)
STD4 480-609962/14 IC		12/23/2021 12:24	1	25_53-405.D	RTX-CLPII 0.53(mm)
STD5 480-609962/15 IC		12/23/2021 12:43	1	25_53-406.D	RTX-CLPI 0.53(mm)
STD5 480-609962/15 IC		12/23/2021 12:43	1	25_53-406.D	RTX-CLPII 0.53(mm)
ICV 480-609962/16		12/23/2021 13:03	1	25_53-407.D	RTX-CLPI 0.53(mm)
ICV 480-609962/16		12/23/2021 13:03	1	25_53-407.D	RTX-CLPII 0.53(mm)
STD1 480-609962/17 IC		12/23/2021 13:22	1	25_53-408.D	RTX-CLPI 0.53(mm)
STD1 480-609962/17 IC		12/23/2021 13:22	1	25_53-408.D	RTX-CLPII 0.53(mm)
STD2 480-609962/18 IC		12/23/2021 13:42	1	25_53-409.D	RTX-CLPI 0.53(mm)
STD2 480-609962/18 IC		12/23/2021 13:42	1	25_53-409.D	RTX-CLPII 0.53(mm)
STD3 480-609962/19 IC		12/23/2021 14:02	1	25_53-410.D	RTX-CLPI 0.53(mm)
STD3 480-609962/19 IC		12/23/2021 14:02	1	25_53-410.D	RTX-CLPII 0.53(mm)
STD4 480-609962/20 IC		12/23/2021 14:21	1	25_53-411.D	RTX-CLPI 0.53(mm)
STD4 480-609962/20 IC		12/23/2021 14:21	1	25_53-411.D	RTX-CLPII 0.53(mm)
STD5 480-609962/21 IC		12/23/2021 14:41	1	25_53-412.D	RTX-CLPI 0.53(mm)
STD5 480-609962/21 IC		12/23/2021 14:41	1	25_53-412.D	RTX-CLPII 0.53(mm)
ICV 480-609962/22		12/23/2021 15:01	1	25_53-413.D	RTX-CLPI 0.53(mm)
ICV 480-609962/22		12/23/2021 15:01	1	25_53-413.D	RTX-CLPII 0.53(mm)

8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-25 Start Date: 12/23/2021 09:27

Analysis Batch Number: 609962 End Date: 12/23/2021 16:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-609962/23 IC		12/23/2021 15:20	1		RTX-CLPI 0.53(mm)
STD1 480-609962/23 IC		12/23/2021 15:20	1		RTX-CLPII 0.53(mm)
STD2 480-609962/24 IC		12/23/2021 15:40	1		RTX-CLPI 0.53(mm)
STD2 480-609962/24 IC		12/23/2021 15:40	1		RTX-CLPII 0.53(mm)
STD3 480-609962/25 IC		12/23/2021 16:00	1		RTX-CLPI 0.53(mm)
STD3 480-609962/25 IC		12/23/2021 16:00	1		RTX-CLPII 0.53(mm)
STD4 480-609962/26 IC		12/23/2021 16:19	1		RTX-CLPI 0.53(mm)
STD4 480-609962/26 IC		12/23/2021 16:19	1		RTX-CLPII 0.53(mm)
STD5 480-609962/27 IC		12/23/2021 16:39	1		RTX-CLPI 0.53(mm)
STD5 480-609962/27 IC		12/23/2021 16:39	1		RTX-CLPII 0.53(mm)
ICV 480-609962/28		12/23/2021 16:58	1		RTX-CLPI 0.53(mm)
ICV 480-609962/28		12/23/2021 16:58	1		RTX-CLPII 0.53(mm)

8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-25 Start Date: 03/09/2022 08:03

Analysis Batch Number: 617227 End Date: 03/09/2022 13:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 480-617227/4		03/09/2022 08:03	1	25_56-082.D	RTX-CLPI 0.53(mm)
PEM 480-617227/4		03/09/2022 08:03	1	25_56-082.D	RTX-CLPII 0.53(mm)
CCVIS 480-617227/5		03/09/2022 08:22	1	25_56-083.D	RTX-CLPI 0.53(mm)
CCVIS 480-617227/5		03/09/2022 08:22	1	25_56-083.D	RTX-CLPII 0.53(mm)
CCV 480-617227/6		03/09/2022 08:42	1	25_56-084.D	RTX-CLPI 0.53(mm)
CCV 480-617227/6		03/09/2022 08:42	1	25_56-084.D	RTX-CLPII 0.53(mm)
CCV 480-617227/7		03/09/2022 09:01	1	25_56-085.D	RTX-CLPI 0.53(mm)
CCV 480-617227/7		03/09/2022 09:01	1	25_56-085.D	RTX-CLPII 0.53(mm)
CCV 480-617227/8		03/09/2022 09:21	1		RTX-CLPI 0.53(mm)
CCV 480-617227/8		03/09/2022 09:21	1		RTX-CLPII 0.53(mm)
MB 480-617096/1-A		03/09/2022 09:41	1	25_56-087.D	RTX-CLPI 0.53(mm)
MB 480-617096/1-A		03/09/2022 09:41	1	25_56-087.D	RTX-CLPII 0.53(mm)
LCS 480-617096/2-A		03/09/2022 10:00	1	25_56-088.D	RTX-CLPI 0.53(mm)
LCS 480-617096/2-A		03/09/2022 10:00	1	25_56-088.D	RTX-CLPII 0.53(mm)
LCSD 480-617096/3-A		03/09/2022 10:20	1	25_56-089.D	RTX-CLPI 0.53(mm)
LCSD 480-617096/3-A		03/09/2022 10:20	1	25_56-089.D	RTX-CLPII 0.53(mm)
LB 480-616935/1-B		03/09/2022 11:19	1	25_56-092.D	RTX-CLPI 0.53(mm)
LB 480-616935/1-B		03/09/2022 11:19	1	25_56-092.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 11:39	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 11:39	1		RTX-CLPII 0.53(mm)
480-195466-9	LF1	03/09/2022 11:58	1	25_56-094.D	RTX-CLPI 0.53(mm)
480-195466-9	LF1	03/09/2022 11:58	1	25_56-094.D	RTX-CLPII 0.53(mm)
480-195466-10	LF2	03/09/2022 12:18	1	25_56-095.D	RTX-CLPI 0.53(mm)
480-195466-10	LF2	03/09/2022 12:18	1	25_56-095.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 12:38	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 12:38	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 12:57	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 12:57	1		RTX-CLPII 0.53(mm)
CCV 480-617227/20		03/09/2022 13:17	1		RTX-CLPI 0.53(mm)
CCV 480-617227/20		03/09/2022 13:17	1		RTX-CLPII 0.53(mm)

8081B

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 480-616935/1		1311, 3510C, 8081B			2000 mL				
480-195466-A-9	LF1	1311, 3510C, 8081B	P	100.56 g	2000 mL	5.21 g	96.5 mL	8.70 SU	3.5
480-195466-A-10	LF2	1311, 3510C, 8081B	P	100.41 g	2000 mL	5.11 g	96.5 mL	8.74 SU	3.5

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	ExtractionFluidOne	ExtractionFluidTwo	VesselNumber	FiltCompDate
LB 480-616935/1		1311, 3510C, 8081B				Yes	No	15	3/8/22
480-195466-A-9	LF1	1311, 3510C, 8081B	P	Yes	2.30 SU	Yes	No	19	3/8/22
480-195466-A-10	LF2	1311, 3510C, 8081B	P	Yes	2.53 SU	Yes	No	20	3/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	LeachVolume	TCLP%Solids	ExtractFluid	
LB 480-616935/1		1311, 3510C, 8081B		8:44	4.86 SU	1250/750 mL	Yes %	One	
480-195466-A-9	LF1	1311, 3510C, 8081B	P	8:44	6.07 SU	1000/225 mL	Yes %	One	
480-195466-A-10	LF2	1311, 3510C, 8081B	P	8:44	6.15 SU	1000/400 mL	Yes %	One	

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 Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Hot Plate ID	1714070904915; Hot Plate Thermometer ID; 170102499
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Tumbler Rotations per Minute	28 RPM, Tumbler #1 JP
Balance ID	Balance-6
pH Meter ID	K00599
pH Meter Calibration Slope	97.9%
Room Temperature Thermometer ID	12227689
TCLP Fluid 1 ID	6885567
TCLP Fluid 1 pH	4.89 JP
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
1N HCl ID	6120199
Filter ID	400192-1362-T
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
Uncorrected Minimum Temperature	23.6 Degrees C
Minimum Temperature	23.5 Degrees C
Bottle Lot ID	0206901C
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617096 Batch Start Date: 03/08/22 09:48 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	O_8081/82surr 00153	O8081pestspik 00058	
MB 480-617096/1		3510C, 8081B		1000 mL	10 mL	7 SU	1 mL		
LCS 480-617096/2		3510C, 8081B		1000 mL	10 mL	7 SU	1 mL	1 mL	
LCSD 480-617096/3		3510C, 8081B		1000 mL	10 mL	7 SU	1 mL	1 mL	
LB 480-616935/1-A		3510C, 8081B		250 mL	10 mL	4.87 SU	1 mL		
480-195466-A-9-A	LF1	3510C, 8081B	P	250 mL	10 mL	6.07 SU	1 mL		
480-195466-A-10-A	LF2	3510C, 8081B	P	250 mL	10 mL	6.15 SU	1 mL		

Batch Notes	
Method/Fraction	3510C/608.3_Pest_PREC, 8081B
Analyst ID - Extraction	JP
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	No
Prep Solvent ID	6885957
Prep Solvent Volume Used	180 mL
Na2SO4 ID	6880624
Analyst ID - Concentration	JP
Exchange Solvent ID	6883442
Vial Lot Number	312259
Florisil ID	6884384
Copper ID	6806067

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 Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
LF1	480-195466-9	120	122	101	101
LF2	480-195466-10	134	130	112	115
	MB 480-616931/1-A	129	120	113	108
	LCS 480-616931/2-A	146	149	127	127
LF2 MS	480-195466-10 MS	135	129	116	114
LF2 MSD	480-195466-10 MSD	150	140	125	126

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCBP = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 6_104-246.D

Lab ID: LCS 480-616931/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.05	2.79	136	51-185	
PCB-1260	2.05	2.77	135	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 6_104-247.D

Lab ID: 480-195466-10 MS Client ID: LF2 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2.92	ND	3.38	116	50-177	
PCB-1260	2.92	ND	3.38	116	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 6_104-248.D

Lab ID: 480-195466-10 MSD Client ID: LF2 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.74	3.72	136	10	50	50-177	
PCB-1260	2.74	3.70	135	9	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: MB 480-616931/1-A

Matrix: Solid Date Extracted: 03/07/2022 07:42

Lab File ID:(1) 6_104-245.D Lab File ID:(2) 6_104-245.D

Date Analyzed:(1) 03/07/2022 16:43 Date Analyzed:(2) 03/07/2022 16:43

Instrument ID:(1) HP6890-6 Instrument ID:(2) HP6890-6

GC Column:(1) ZB-35 ID: 0.53(mm) GC Column:(2) ZB-5 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 480-616931/2-A	03/07/2022 16:57	03/07/2022 16:57
LF2 MS	480-195466-10 MS	03/07/2022 17:10	03/07/2022 17:10
LF2 MSD	480-195466-10 MSD	03/07/2022 17:23	03/07/2022 17:23
LF2	480-195466-10	03/07/2022 17:37	03/07/2022 17:37
LF1	480-195466-9	03/07/2022 18:03	03/07/2022 18:03

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-615857/8 Date Analyzed: 02/23/2022 17:29

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 6_104-008.D Heated Purge: (Y/N) N

Calibration ID: 43136

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		6180949	1.98				
UPPER LIMIT		12361898	2.48				
LOWER LIMIT		3090475	1.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-615857/11		6205214	1.99				
ICV 480-615857/19		5960379	1.98				
ICV 480-615857/23		5764793	1.98				
ICV 480-615857/27		5738873	1.98				
ICV 480-615857/31		6025126	1.98				
CCVIS 480-617012/5		6038374	1.98				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: ICIS 480-615857/8 Date Analyzed: 02/23/2022 17:29

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 6_104-008.D Heated Purge: (Y/N) N

Calibration ID: 43137

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		6575470	2.27				
UPPER LIMIT		13150940	2.77				
LOWER LIMIT		3287735	1.77				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-615857/11		6577067	2.27				
ICV 480-615857/19		6357185	2.27				
ICV 480-615857/23		6157925	2.27				
ICV 480-615857/27		6158803	2.27				
ICV 480-615857/31		6452265	2.27				
CCVIS 480-617012/5		5941867	2.26				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617012/5 Date Analyzed: 03/07/2022 14:44

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 6_104-236.D Heated Purge: (Y/N) N

Calibration ID: 43152

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		6038374	1.98				
UPPER LIMIT		12076748	2.48				
LOWER LIMIT		3019187	1.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-617012/6		6030566	1.98				
CCV 480-617012/7		6297008	1.98				
CCV 480-617012/8		6094839	1.98				
CCV 480-617012/9		5340741	1.98				
CCV 480-617012/12		6218825	1.98				
MB 480-616931/1-A		5587522	1.98				
LCS 480-616931/2-A		5407144	1.98				
480-195466-10 MS	LF2 MS	5448875	1.98				
480-195466-10 MSD	LF2 MSD	5398291	1.98				
480-195466-10	LF2	5347738	1.98				
480-195466-9	LF1	5149002	1.98				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Sample No.: CCVIS 480-617012/5 Date Analyzed: 03/07/2022 14:44

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 6_104-236.D Heated Purge: (Y/N) N

Calibration ID: 43153

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		5941867	2.26				
UPPER LIMIT		11883734	2.76				
LOWER LIMIT		2970934	1.76				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-617012/6		6469132	2.26				
CCV 480-617012/7		6796797	2.26				
CCV 480-617012/8		6595139	2.26				
CCV 480-617012/9		5030886	2.27				
CCV 480-617012/12		6704934	2.26				
MB 480-616931/1-A		6038655	2.26				
LCS 480-616931/2-A		5822276	2.26				
480-195466-10 MS	LF2 MS	5871599	2.26				
480-195466-10 MSD	LF2 MSD	5797520	2.26				
480-195466-10	LF2	5793103	2.26				
480-195466-9	LF1	5560406	2.26				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: LF2 MS Lab Sample ID: 480-195466-10 MS

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 03/07/2022 17:10 Date Analyzed (2): 03/07/2022 17:10

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.56	3.54	3.57	3.63	3.38	4.0
		2	3.92	3.91	3.94	3.47		
		3	4.28	4.27	4.30	3.37		
		4	4.41	4.39	4.42	3.35		
		5	4.82	4.80	4.83	3.10		
	2	1	3.64	3.62	3.65	3.29	3.52	
		2	4.02	4.01	4.04	3.48		
		3	4.11	4.09	4.12	3.83		
		4	4.18	4.16	4.19	3.69		
		5	4.48	4.47	4.50	3.31		
PCB-1260	1	1	5.87	5.85	5.88	3.58	3.38	0.0
		2	5.97	5.96	5.99	3.56		
		3	6.42	6.40	6.43	3.02		
		4	6.89	6.87	6.90	3.51		
		5	7.09	7.07	7.10	3.22		
	2	1	5.54	5.52	5.55	3.34	3.38	
		2	5.74	5.72	5.75	2.95		
		3	6.01	6.00	6.03	3.55		
		4	6.43	6.41	6.44	3.56		
		5	6.71	6.69	6.72	3.51		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: LF2 MSD Lab Sample ID: 480-195466-10 MSD

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 03/07/2022 17:23 Date Analyzed (2): 03/07/2022 17:23

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.56	3.54	3.57	3.98	3.72	3.7
		2	3.92	3.91	3.94	3.82		
		3	4.28	4.27	4.30	3.67		
		4	4.41	4.39	4.42	3.64		
		5	4.82	4.80	4.83	3.50		
	2	1	3.63	3.62	3.65	3.70	3.86	
		2	4.02	4.01	4.04	3.95		
		3	4.11	4.09	4.12	3.93		
		4	4.17	4.16	4.19	4.00		
		5	4.48	4.47	4.50	3.73		
PCB-1260	1	1	5.87	5.85	5.88	3.91	3.70	0.2
		2	5.97	5.96	5.99	3.93		
		3	6.41	6.40	6.43	3.30		
		4	6.89	6.87	6.90	3.86		
		5	7.09	7.07	7.10	3.51		
	2	1	5.54	5.52	5.55	3.69	3.71	
		2	5.74	5.72	5.75	3.35		
		3	6.01	6.00	6.03	3.88		
		4	6.43	6.41	6.44	3.78		
		5	6.71	6.69	6.72	3.86		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-616931/2-A

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 03/07/2022 16:57 Date Analyzed (2): 03/07/2022 16:57

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.56	3.54	3.57	2.85	2.79	5.8
		2	3.92	3.91	3.94	2.83		
		3	4.28	4.27	4.30	2.76		
		4	4.41	4.39	4.42	2.85		
		5	4.82	4.80	4.83	2.69		
	2	1	3.63	3.62	3.65	2.77	2.96	
		2	4.02	4.01	4.04	2.89		
		3	4.11	4.09	4.12	3.24		
		4	4.17	4.16	4.19	3.09		
		5	4.48	4.47	4.50	2.82		
PCB-1260	1	1	5.87	5.85	5.88	2.95	2.77	3.1
		2	5.97	5.96	5.99	2.99		
		3	6.42	6.40	6.43	2.39		
		4	6.89	6.87	6.90	2.89		
		5	7.09	7.07	7.10	2.65		
	2	1	5.54	5.52	5.55	2.73	2.86	
		2	5.74	5.72	5.75	2.90		
		3	6.01	6.00	6.03	2.89		
		4	6.43	6.41	6.44	2.88		
		5	6.71	6.69	6.72	2.90		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid
Lab File ID: 6_104-251.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:15
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.76(g)
Date Analyzed: 03/07/2022 18:03
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 15.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		60-154
2051-24-3	DCB Decachlorobiphenyl	101		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D
Lims ID: 480-195466-F-9-A
Client ID: LF1
Sample Type: Client
Inject. Date: 07-Mar-2022 18:03:43 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:32:52 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:32:52

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.977	1.982	-0.005	5149002	0.5000	
2	2.263	2.265	-0.003	5560406	0.5000	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	3.016	3.013	0.004	287306	0.0245	
2	3.081	3.081	0.000	338550	0.0240	
					RPD = 1.90	
8 PCB-1254						7
1	4.848	4.847	0.001	3823	0.000203	
1	5.021	5.021	0.000	1980	-0.006761	
1	5.345	5.344	0.001	6850	0.001789	
1	5.545	5.549	-0.004	5982	-0.000236	
1	6.014	6.013	0.001	6407	0.003366	
		Average of Peak Amounts =			-0.000328	
2	5.160	5.174	-0.014	14480	0.0235	
2	5.250	5.251	-0.001	6965	0.005853	
2	5.698	5.697	0.001	8551	0.005126	
2	5.837	5.837	0.000	4124	0.001132	
2	6.415	6.414	0.001	4735	0.002673	
		Average of Peak Amounts =			0.007648	
					RPD = 217.90	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
9 1260 Res 1						
1	7.085	7.093	-0.008	7580	NR	
2	6.891	6.886	0.005	9191	NR	
					RPD = NaN	
$ 15 DCB Decachlorobiphenyl						
1	9.279	9.276	0.003	256529	0.0202	
2	10.225	10.225	0.000	258941	0.0203	
					RPD = 0.46	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

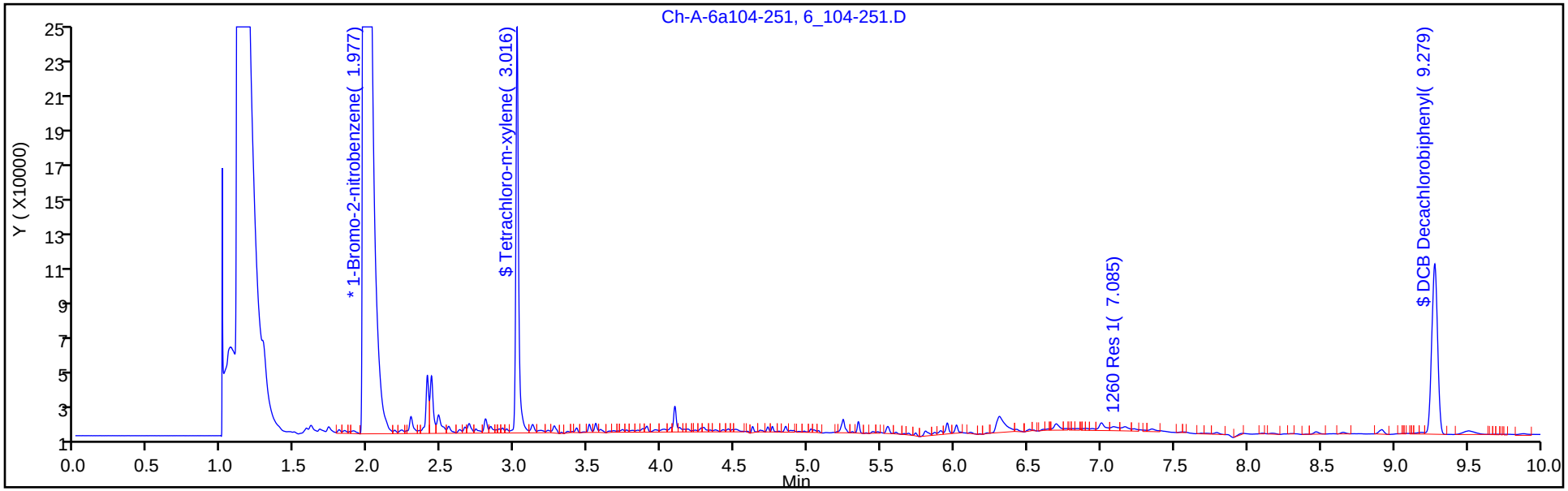
PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:32:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

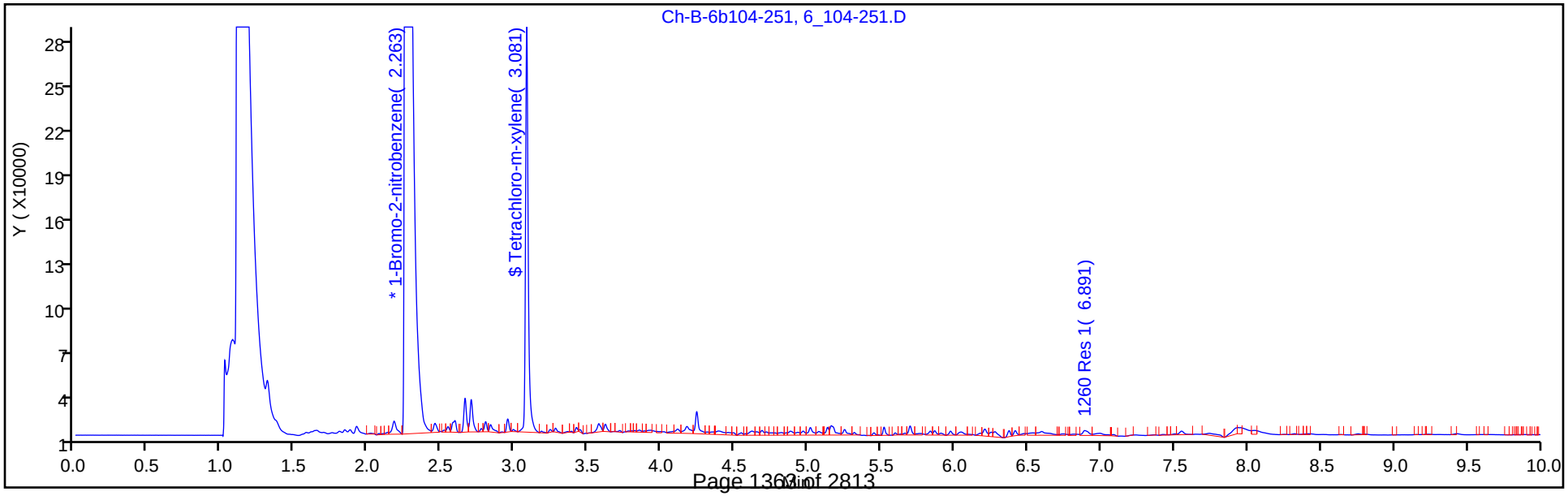
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Injection Date:	07-Mar-2022 18:03:43	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-195466-F-9-A	Lab Sample ID:	480-195466-9	Worklist Smp#:	20
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Lims ID:	480-195466-F-9-A				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 18:03:43	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:32:52	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:32:52

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0245	122.30
$ 15 DCB Decachlorobiphenyl	0.0200	0.0202	100.83

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0240	119.99
$ 15 DCB Decachlorobiphenyl	0.0200	0.0203	101.29

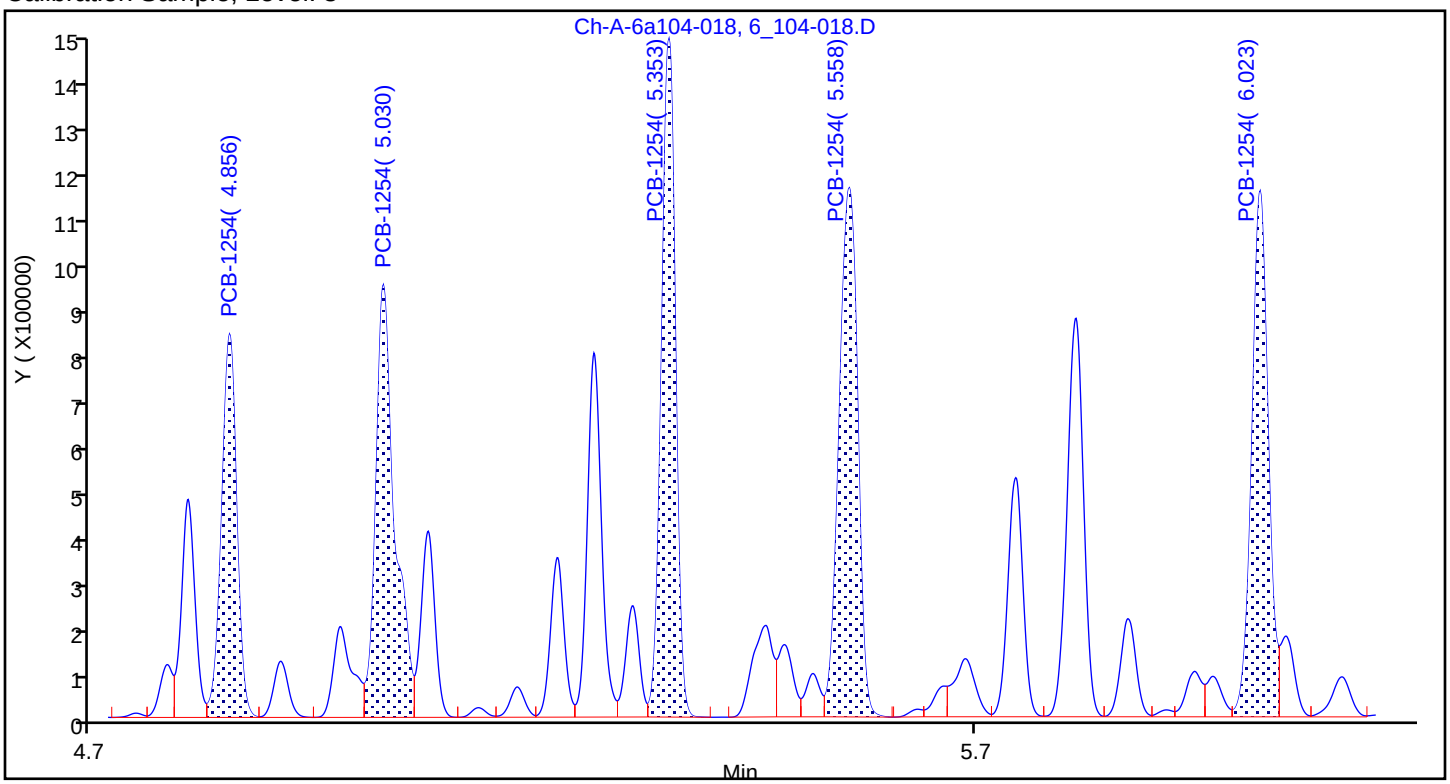
Report Date: 08-Mar-2022 10:32:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

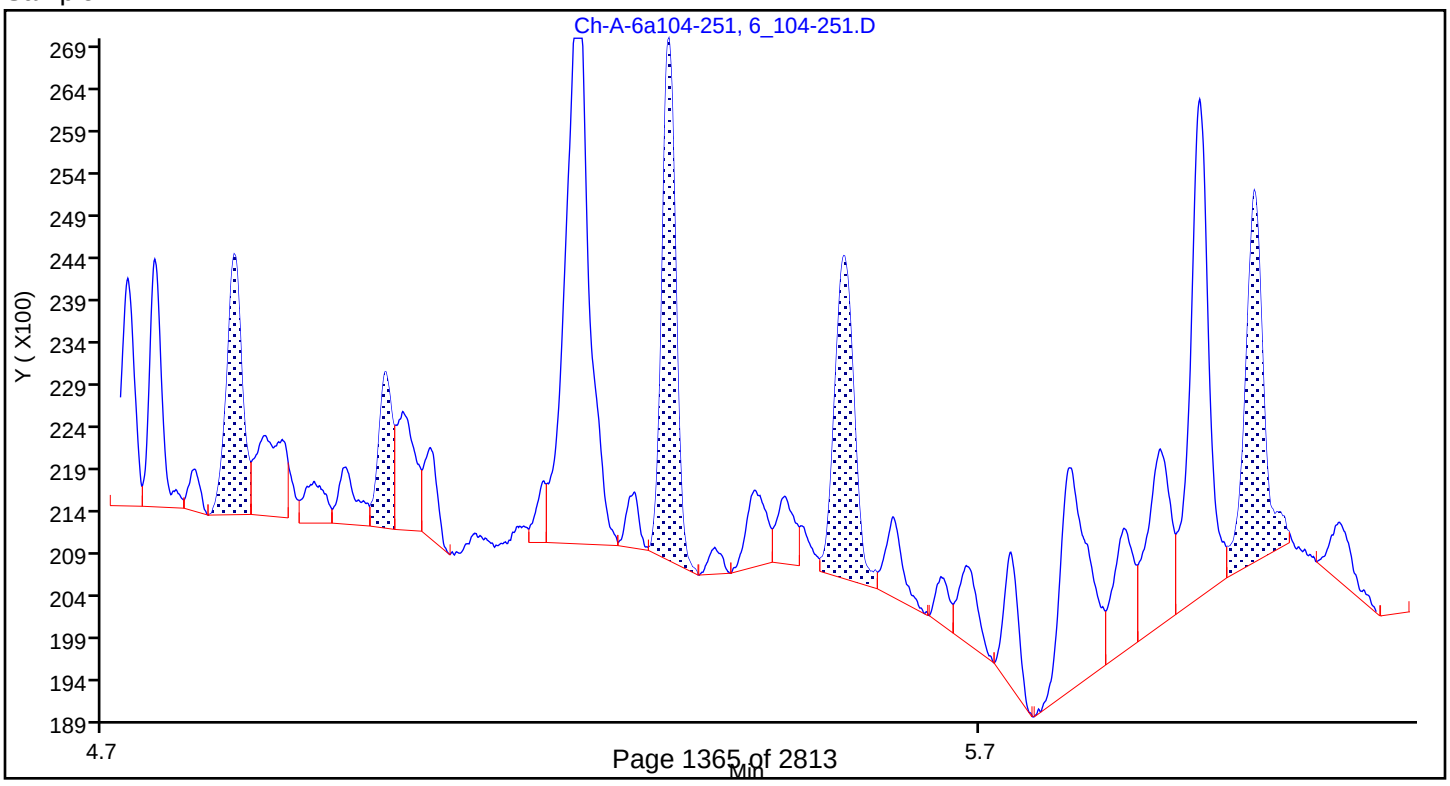
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Injection Date:	07-Mar-2022 18:03:43	Instrument ID:	HP6890-6		
Lims ID:	480-195466-F-9-A	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid
Lab File ID: 6_104-251.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:15
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.76(g)
Date Analyzed: 03/07/2022 18:03
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 15.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.21	0.042
11104-28-2	PCB-1221	ND		0.21	0.042
11141-16-5	PCB-1232	ND		0.21	0.042
53469-21-9	PCB-1242	ND		0.21	0.042
12672-29-6	PCB-1248	ND		0.21	0.042
11097-69-1	PCB-1254	ND		0.21	0.10
11096-82-5	PCB-1260	ND		0.21	0.10
37324-23-5	PCB-1262	ND		0.21	0.10
11100-14-4	PCB-1268	ND		0.21	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	120		60-154
2051-24-3	DCB Decachlorobiphenyl	101		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D
Lims ID: 480-195466-F-9-A
Client ID: LF1
Sample Type: Client
Inject. Date: 07-Mar-2022 18:03:43 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:32:52 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:32:52

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.977	1.982	-0.005	5149002	0.5000	
2	2.263	2.265	-0.003	5560406	0.5000	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	3.016	3.013	0.004	287306	0.0245	
2	3.081	3.081	0.000	338550	0.0240	
					RPD = 1.90	
8 PCB-1254						7
1	4.848	4.847	0.001	3823	0.000203	
1	5.021	5.021	0.000	1980	-0.006761	
1	5.345	5.344	0.001	6850	0.001789	
1	5.545	5.549	-0.004	5982	-0.000236	
1	6.014	6.013	0.001	6407	0.003366	
		Average of Peak Amounts =			-0.000328	
2	5.160	5.174	-0.014	14480	0.0235	
2	5.250	5.251	-0.001	6965	0.005853	
2	5.698	5.697	0.001	8551	0.005126	
2	5.837	5.837	0.000	4124	0.001132	
2	6.415	6.414	0.001	4735	0.002673	
		Average of Peak Amounts =			0.007648	
					RPD = 217.90	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
9 1260 Res 1						
1	7.085	7.093	-0.008	7580	NR	
2	6.891	6.886	0.005	9191	NR	
					RPD = NaN	
$ 15 DCB Decachlorobiphenyl						
1	9.279	9.276	0.003	256529	0.0202	
2	10.225	10.225	0.000	258941	0.0203	
					RPD = 0.46	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

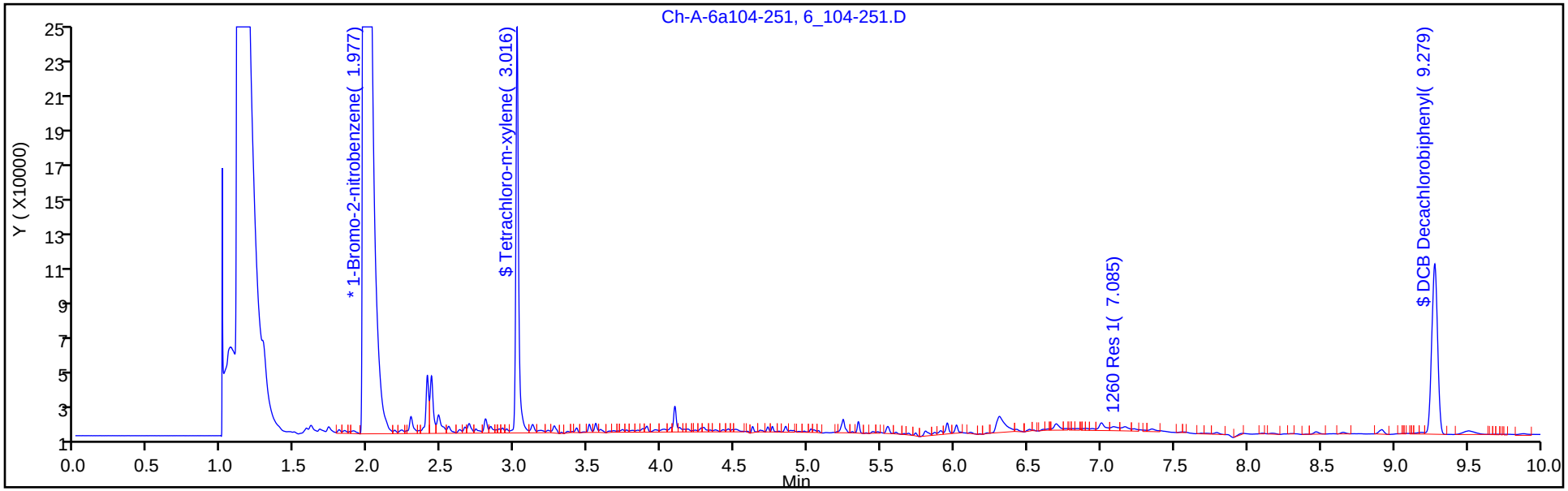
PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:32:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

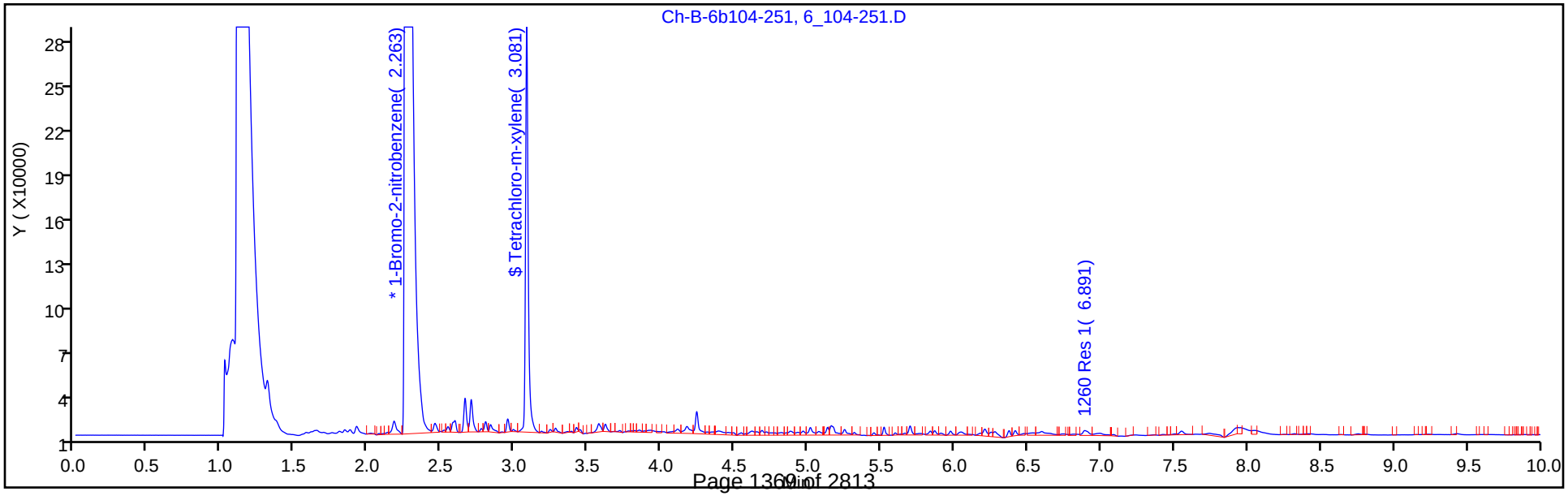
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Injection Date:	07-Mar-2022 18:03:43	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-195466-F-9-A	Lab Sample ID:	480-195466-9	Worklist Smp#:	20
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Lims ID:	480-195466-F-9-A				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 18:03:43	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:32:52	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:32:52

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0245	122.30
$ 15 DCB Decachlorobiphenyl	0.0200	0.0202	100.83

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0240	119.99
$ 15 DCB Decachlorobiphenyl	0.0200	0.0203	101.29

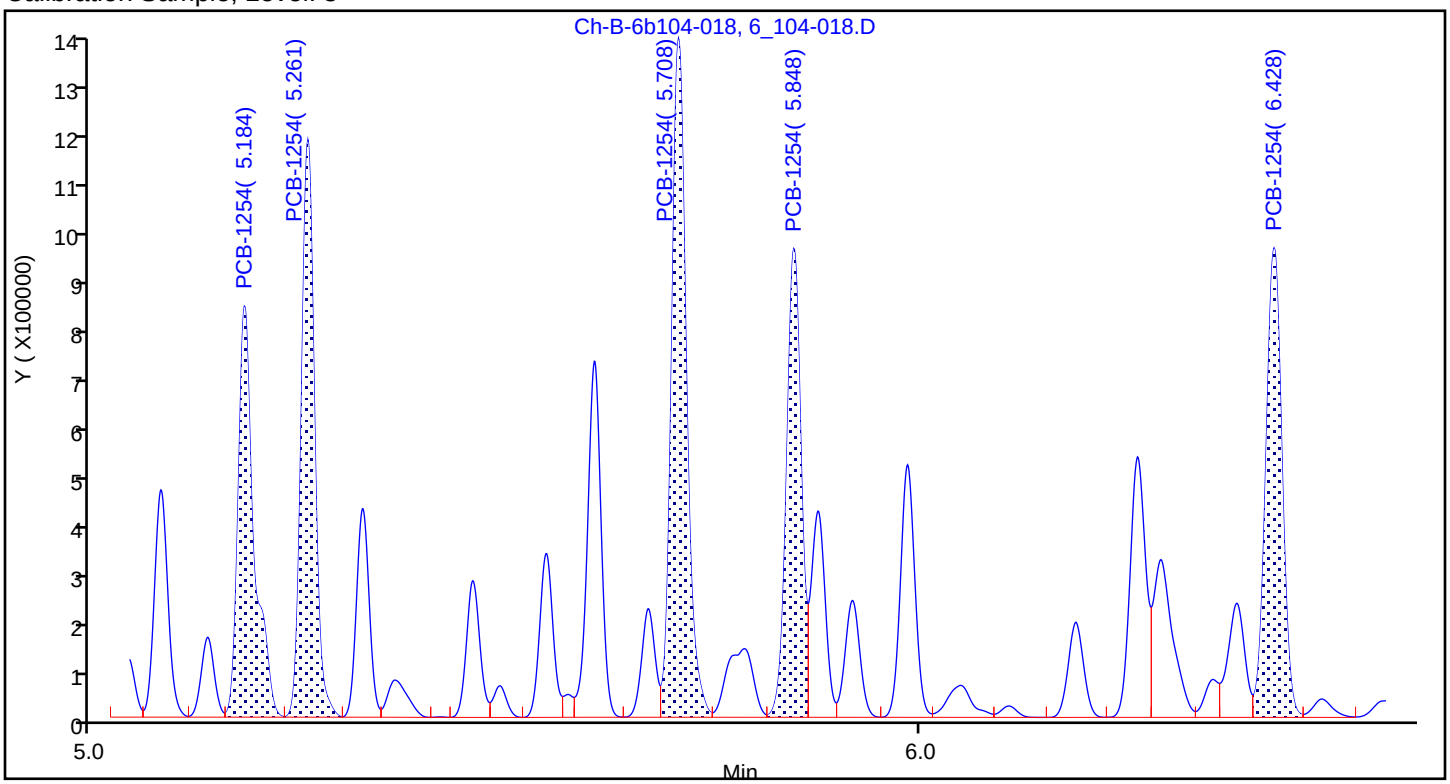
Report Date: 08-Mar-2022 10:32:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

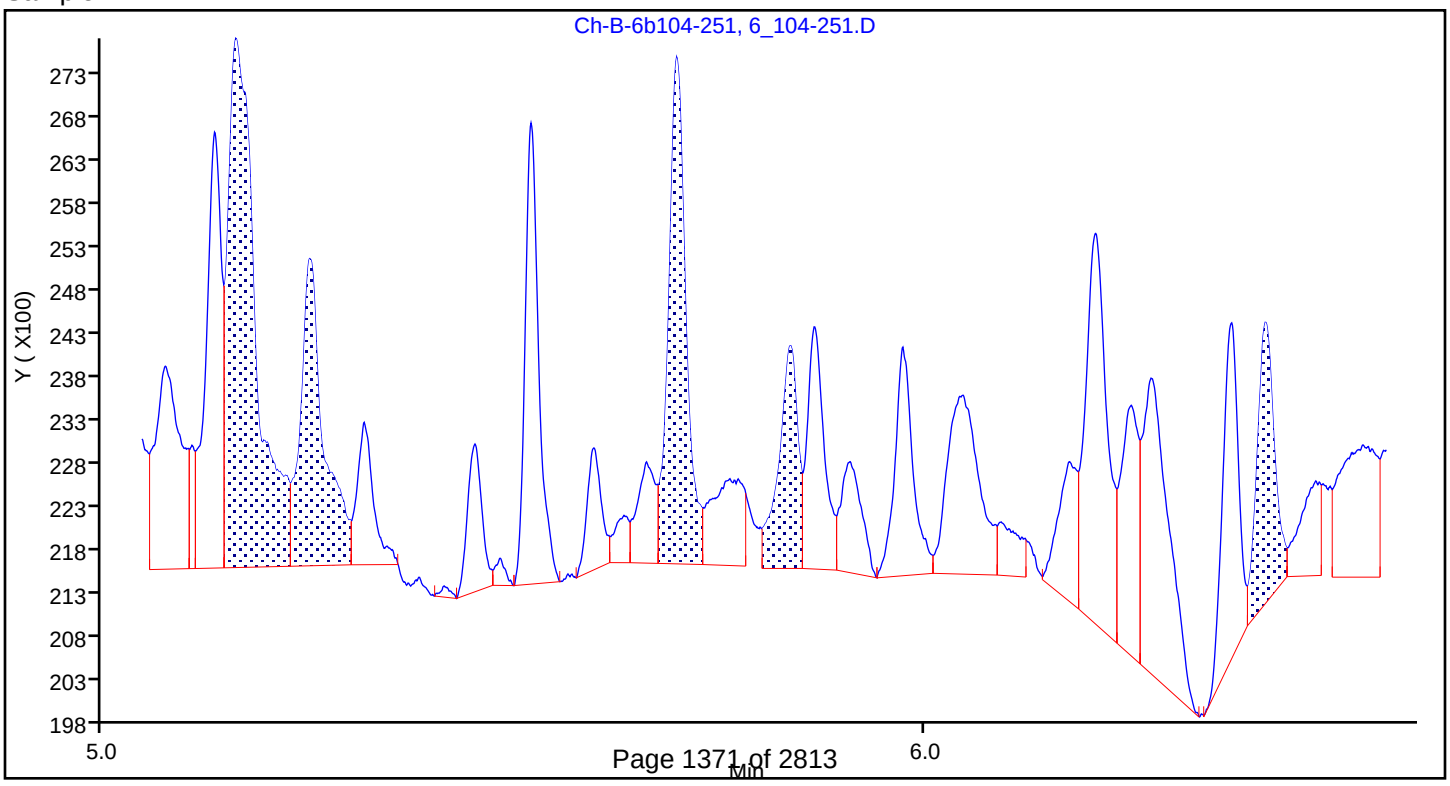
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-251.D				
Injection Date:	07-Mar-2022 18:03:43	Instrument ID:	HP6890-6		
Lims ID:	480-195466-F-9-A	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid
Lab File ID: 6_104-249.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.24(g)
Date Analyzed: 03/07/2022 17:37
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		60-154
2051-24-3	DCB Decachlorobiphenyl	115		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Lims ID:	480-195466-E-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 17:37:07	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:28:34	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:28:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.977	1.982	-0.005	5347738	0.5000	
2	2.262	2.265	-0.003	5793103	0.5000	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	3.015	3.013	0.003	315905	0.0259	
2	3.081	3.081	0.000	394405	0.0268	
					RPD = 3.57	
9 1260 Res 1						
1	7.087	7.093	-0.006	1474	NR	
2	6.891	6.886	0.005	6920	NR	
					RPD = NaN	
$ 15 DCB Decachlorobiphenyl						
1	9.279	9.276	0.003	302185	0.0229	
2	10.229	10.225	0.004	299241	0.0225	
					RPD = 1.81	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

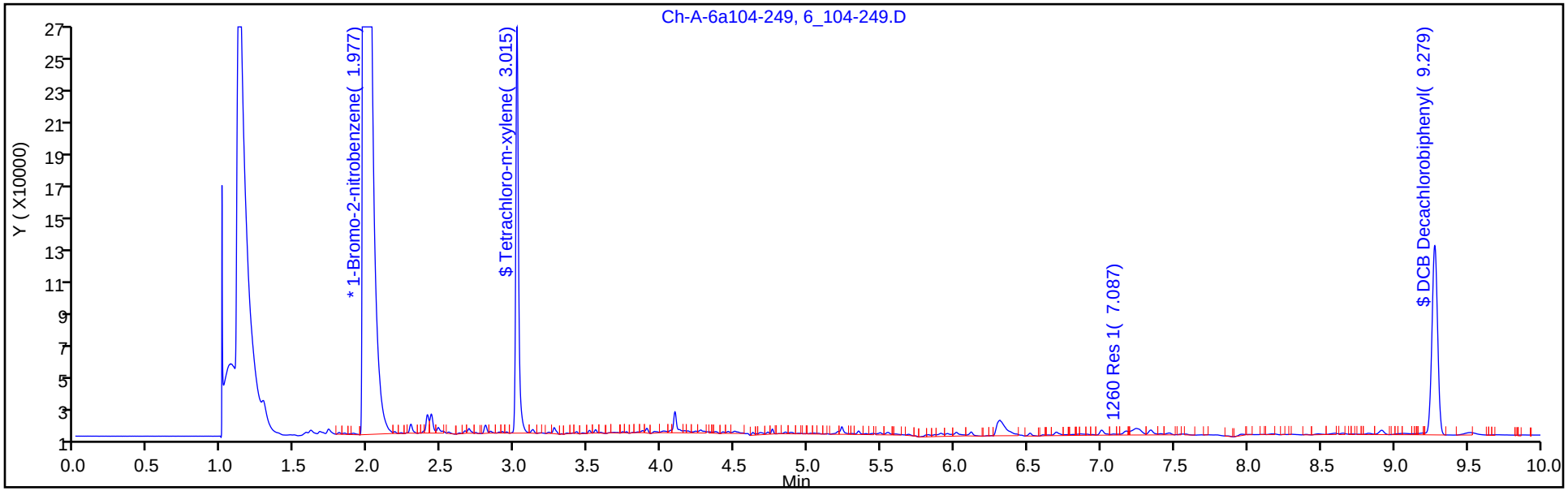
PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:28:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

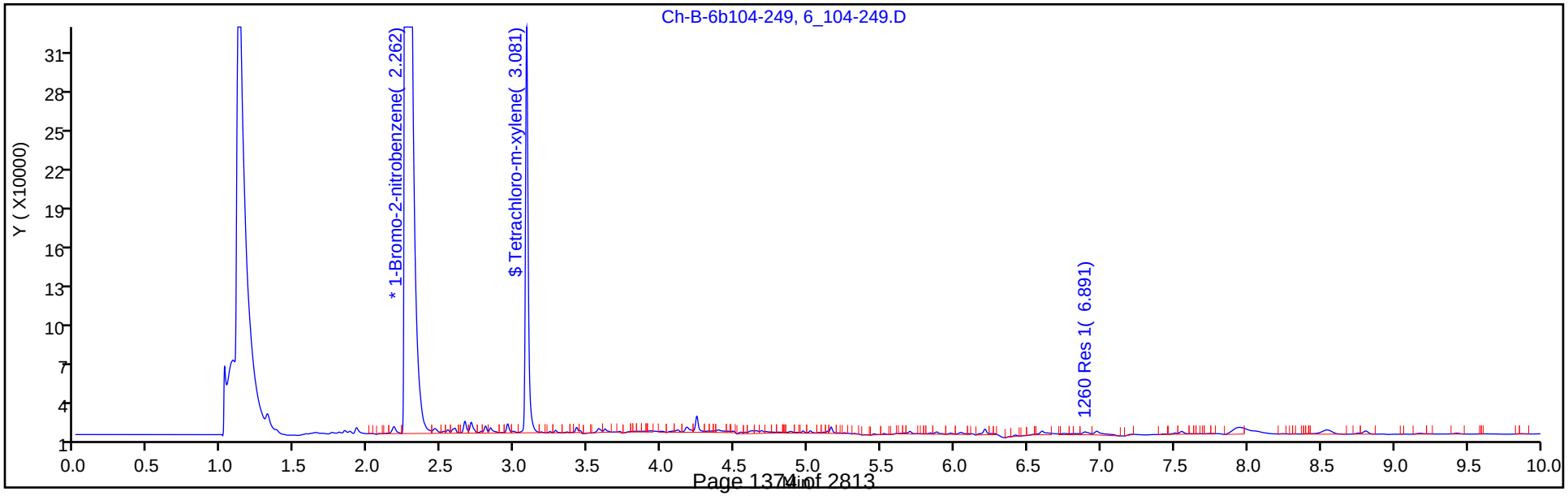
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Injection Date:	07-Mar-2022 17:37:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-10-C	Lab Sample ID:	480-195466-10	Worklist Smp#:	18
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Lims ID:	480-195466-E-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 17:37:07	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:28:34	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:28:34

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0259	129.54
$ 15 DCB Decachlorobiphenyl	0.0200	0.0229	114.55

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0268	134.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0225	112.49

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid
Lab File ID: 6_104-249.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.24(g)
Date Analyzed: 03/07/2022 17:37
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.28	0.056
11104-28-2	PCB-1221	ND		0.28	0.056
11141-16-5	PCB-1232	ND		0.28	0.056
53469-21-9	PCB-1242	ND		0.28	0.056
12672-29-6	PCB-1248	ND		0.28	0.056
11097-69-1	PCB-1254	ND		0.28	0.13
11096-82-5	PCB-1260	ND		0.28	0.13
37324-23-5	PCB-1262	ND		0.28	0.13
11100-14-4	PCB-1268	ND		0.28	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	134		60-154
2051-24-3	DCB Decachlorobiphenyl	112		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Lims ID:	480-195466-E-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 17:37:07	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:28:34	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:28:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.977	1.982	-0.005	5347738	0.5000	
2	2.262	2.265	-0.003	5793103	0.5000	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	3.015	3.013	0.003	315905	0.0259	
2	3.081	3.081	0.000	394405	0.0268	
					RPD = 3.57	
9 1260 Res 1						
1	7.087	7.093	-0.006	1474	NR	
2	6.891	6.886	0.005	6920	NR	
					RPD = NaN	
$ 15 DCB Decachlorobiphenyl						
1	9.279	9.276	0.003	302185	0.0229	
2	10.229	10.225	0.004	299241	0.0225	
					RPD = 1.81	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

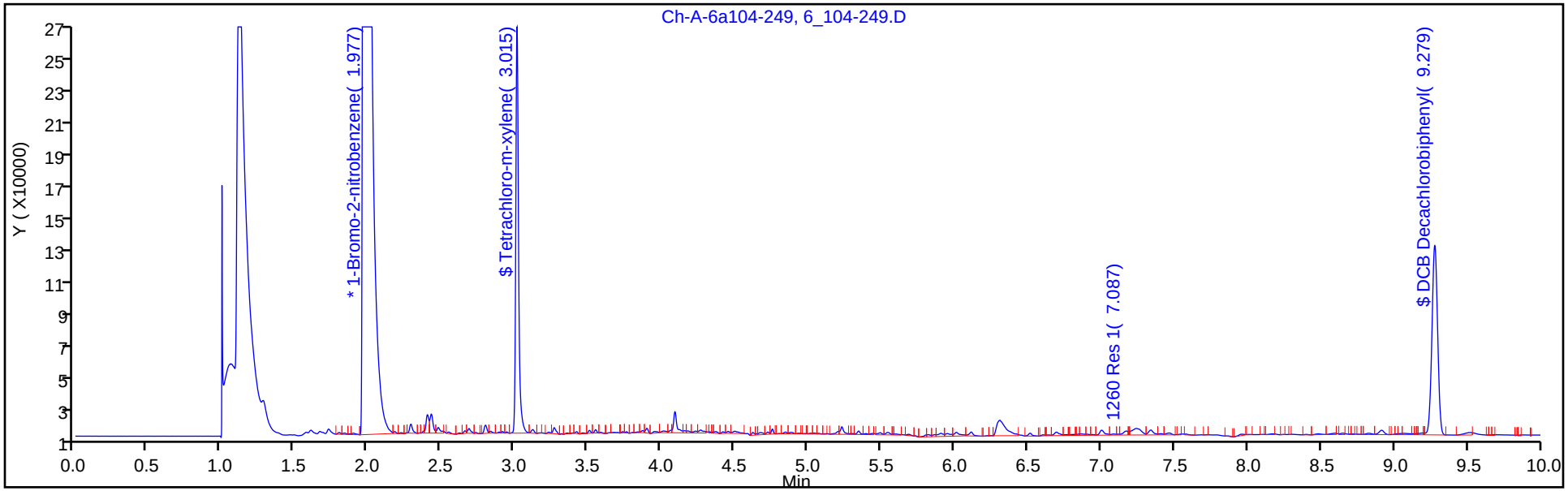
PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:28:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

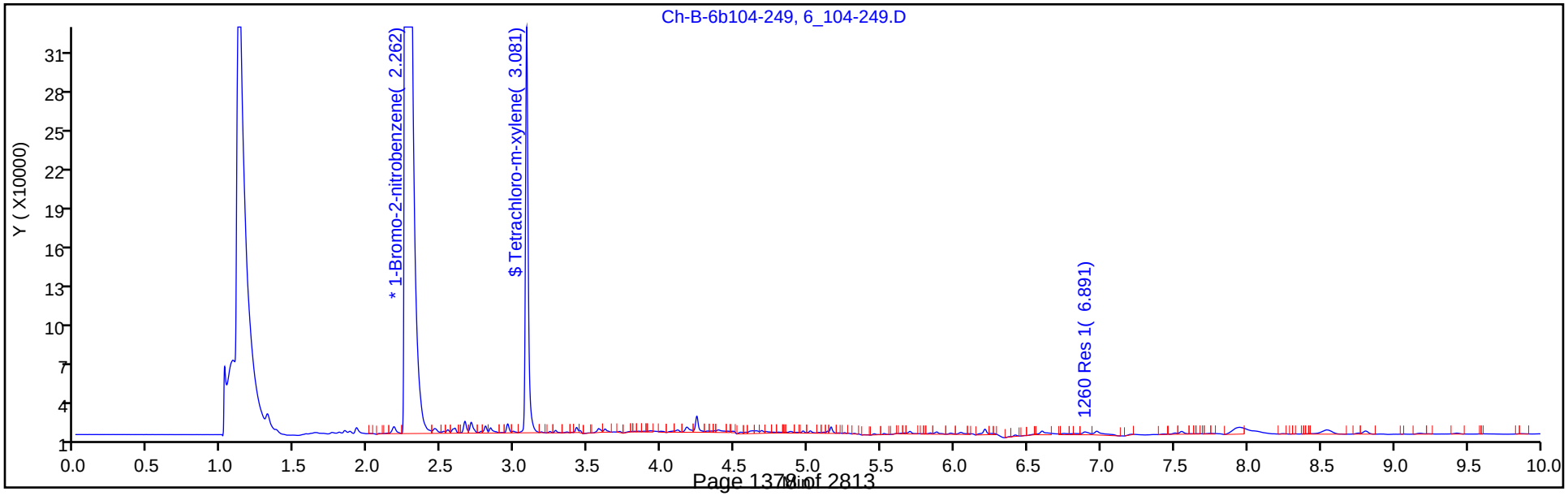
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Injection Date:	07-Mar-2022 17:37:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-10-C	Lab Sample ID:	480-195466-10	Worklist Smp#:	18
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-249.D				
Lims ID:	480-195466-E-10-C				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	07-Mar-2022 17:37:07	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:28:34	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:28:34

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0259	129.54
$ 15 DCB Decachlorobiphenyl	0.0200	0.0229	114.55

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0268	134.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0225	112.49

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43136

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/4	6_104-004.D
Level 2	IC 480-615857/5	6_104-005.D
Level 3	IC 480-615857/6	6_104-006.D
Level 4	IC 480-615857/7	6_104-007.D
Level 5	ICIS 480-615857/8	6_104-008.D
Level 6	IC 480-615857/9	6_104-009.D
Level 7	IC 480-615857/10	6_104-010.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	0.0343 0.0231	0.0295 0.0265	0.0287	0.0259	0.0246	Lin2	0.0002	0.0251				5.8			0.9960		0.9900
PCB-1016 Peak 2	0.0690 0.0541	0.0601 0.0577	0.0572	0.0558	0.0560	Lin2	0.0003	0.0551				2.4			0.9990		0.9900
PCB-1016 Peak 3	0.0540 0.0327	0.0418 0.0380	0.0386	0.0353	0.0334	Lin2	0.0004	0.0342				5.9			0.9960		0.9900
PCB-1016 Peak 4	0.0330 0.0207	0.0269 0.0186	0.0252	0.0234	0.0214	Lin2	0.0003	0.0209				7.3			0.9940		0.9900
PCB-1016 Peak 5	0.0341 0.0224	0.0301 0.0256	0.0279	0.0254	0.0232	Lin1	0.0002	0.0242				6.7			0.9950		0.9900
PCB-1260 Peak 1	0.0762 0.0461	0.0580 0.0557	0.0549	0.0491	0.0460	Lin2	0.0006	0.0482				8.1			0.9930		0.9900
PCB-1260 Peak 2	0.0859 0.0548	0.0664 +++++	0.0630	0.0570	0.0544	Lin1	0.0007	0.0539				2.7			1.0000		0.9900
PCB-1260 Peak 3	0.0969 0.0655	0.0772 +++++	0.0737	0.0672	0.0647	Lin1	0.0007	0.0644				2.4			1.0000		0.9900
PCB-1260 Peak 4	0.0641 0.0426	0.0536 +++++	0.0503	0.0452	0.0430	Lin1	0.0005	0.0423				5.8			1.0000		0.9900
PCB-1260 Peak 5	0.1506 0.1114	0.1262 +++++	0.1204	0.1115	0.1101	Lin1	0.0008	0.1098				1.7			1.0000		0.9900
Tetrachloro-m-xylene	1.6367 1.1873	1.2360 1.0775	1.2359	1.1984	1.1891	Lin2	0.0002	1.1309				5.0			0.9970		0.9900
DCB Decachlorobiphenyl	1.7383 1.1120	1.6133 1.2839	1.5047	1.3126	1.2071	Lin1	0.0004	1.2179				10.9			0.9950		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43136

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/4	6_104-004.D
Level 2	IC 480-615857/5	6_104-005.D
Level 3	IC 480-615857/6	6_104-006.D
Level 4	IC 480-615857/7	6_104-007.D
Level 5	ICIS 480-615857/8	6_104-008.D
Level 6	IC 480-615857/9	6_104-009.D
Level 7	IC 480-615857/10	6_104-010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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	Lin2	8137 268527	18311 505584	36787	64251	152284	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 2	BNB	Lin2	16363 628277	37264 1101885	73206	138486	347128	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 3	BNB	Lin2	12797 379955	25939 726377	49450	87622	207316	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 4	BNB	Lin2	7833 240099	16669 355940	32296	57987	132635	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 5	BNB	Lin1	8089 260078	18639 489284	35695	63051	143951	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1260 Peak 1	BNB	Lin2	18083 536253	36011 1066122	70362	122156	285440	0.0201 1.00	0.0502 2.01	0.100	0.201	0.502
PCB-1260 Peak 2	BNB	Lin1	20404 637445	41199 +++++	80780	141809	337747	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 3	BNB	Lin1	23016 761402	47918 +++++	94469	166992	401533	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 4	BNB	Lin1	15226 495637	33301 +++++	64420	112300	266784	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 5	BNB	Lin1	35744 1295967	78323 +++++	154320	277343	683761	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
Tetrachloro-m-xylene	BNB	Lin2	9671 343626	19099 512906	39433	74172	183746	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	10271 321829	24929 611164	48009	81239	186527	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43136

Curve Type Legend
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 16:36:31 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:20 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 15:41:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5908705	0.5000	0.5000	
2	2.267	2.267	0.000	6402568	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.022	3.022	0.000	9671	0.000500	0.000513	
2	3.086	3.086	0.000	9827	0.000500	0.000496	
						RPD = 3.21	
6 PCB-1016							M
1	3.641	3.641	0.000	8137	0.0201	0.0197	
1	4.028	4.028	0.000	16363	0.0201	0.0202	
1	4.114	4.114	0.000	12797	0.0201	0.0201	M
1	4.183	4.183	0.000	7833	0.0201	0.0193	
1	4.490	4.490	0.000	8089	0.0201	0.0193	
		Average of Peak Amounts =				0.0197	
2	3.561	3.561	0.000	6898	0.0201	0.0196	
2	3.928	3.928	0.000	15628	0.0201	0.0199	M
2	4.289	4.289	0.000	15503	0.0201	0.0223	
2	4.417	4.417	0.000	11573	0.0201	0.0202	
2	4.824	4.824	0.000	9608	0.0201	0.0200	
		Average of Peak Amounts =				0.0204	
						RPD = 3.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.548	5.548	0.000	18083	0.0201	0.0203	M
1	5.744	5.744	0.000	20404	0.0201	0.0197	M
1	6.019	6.019	0.000	23016	0.0201	0.0198	M
1	6.434	6.434	0.000	15226	0.0201	0.0183	M
1	6.718	6.718	0.000	35744	0.0201	0.0201	M
		Average of Peak Amounts =				0.0197	
2	5.873	5.873	0.000	16043	0.0201	0.0200	
2	5.982	5.982	0.000	20056	0.0201	0.0207	
2	6.423	6.423	0.000	17608	0.0201	0.0200	
2	6.899	6.899	0.000	16680	0.0201	0.0199	
2	7.102	7.102	0.000	37569	0.0201	0.0212	
		Average of Peak Amounts =				0.0204	
						RPD = 3.54	
9 1260 Res 1							M
1	7.103	7.103	0.000	19244	NR	NR	M
2	6.899	6.899	0.000	16680	NR	NR	
						RPD = NaN	
14 1260 Res 2							M
1	7.201	7.201	0.000	10726	NR	NR	M
2	7.004	7.004	0.000	12349	NR	NR	
						RPD = NaN	
12 1260 Res 3							M
1	7.275	7.275	0.000	12448	NR	NR	M
2	7.102	7.102	0.000	37569	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.289	0.000	10271	0.000500	0.000424	
2	10.253	10.253	0.000	10870	0.000500	0.000486	
						RPD = 13.62	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D

Injection Date: 23-Feb-2022 16:36:31 Instrument ID: HP6890-6 Operator ID: BufTCHROM

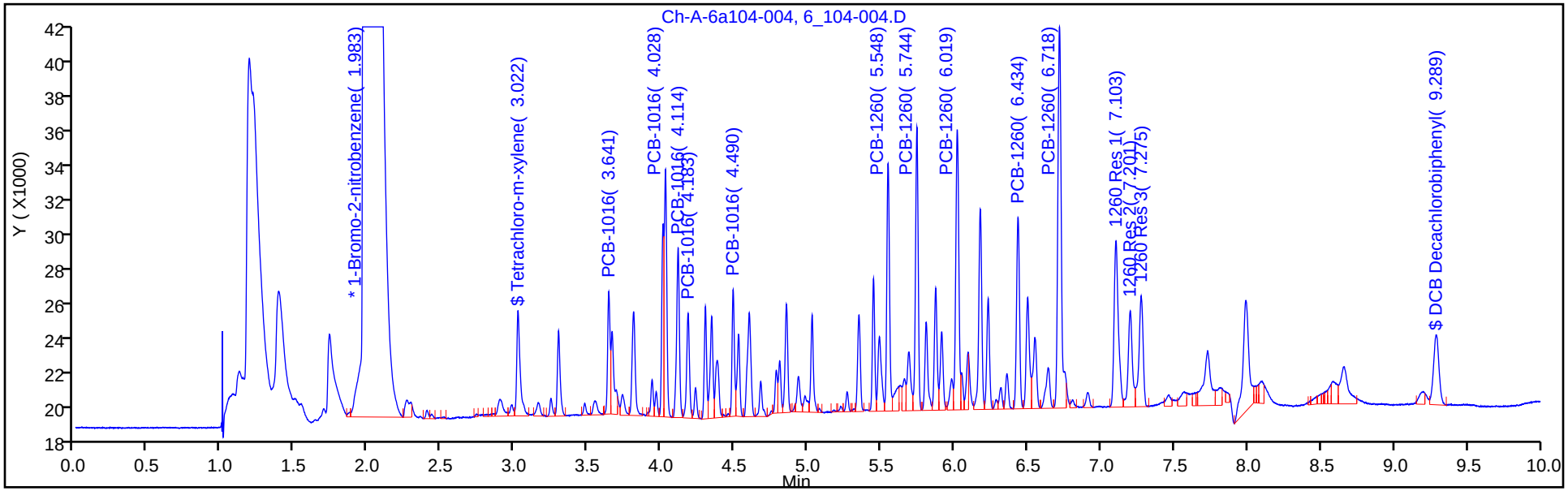
Lims ID: IC level 1 Worklist Smp#: 4

Client ID:

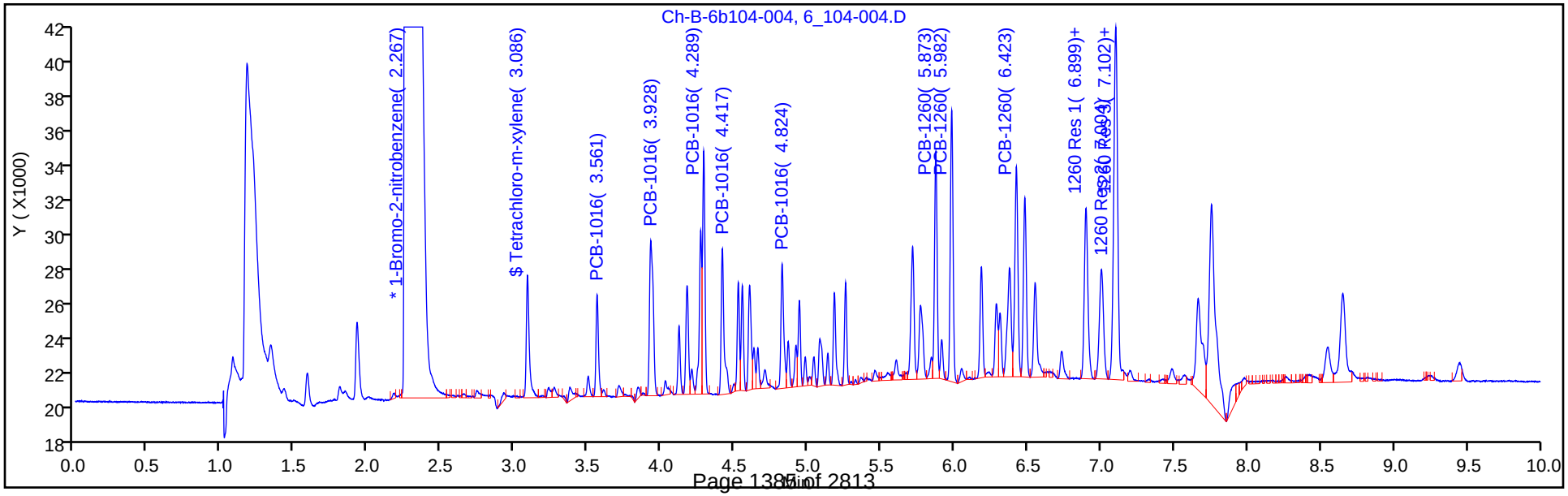
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 24-Feb-2022 16:57:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D

Injection Date: 23-Feb-2022 16:36:31 Instrument ID: HP6890-6

Lims ID: IC level 1

Client ID:

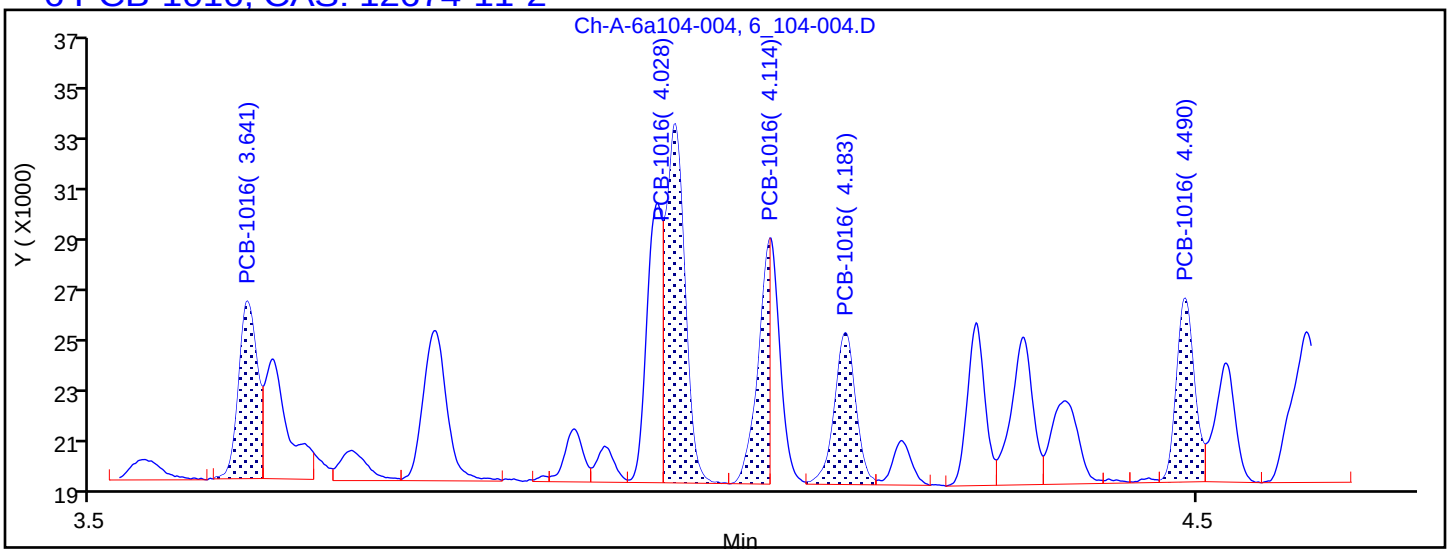
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

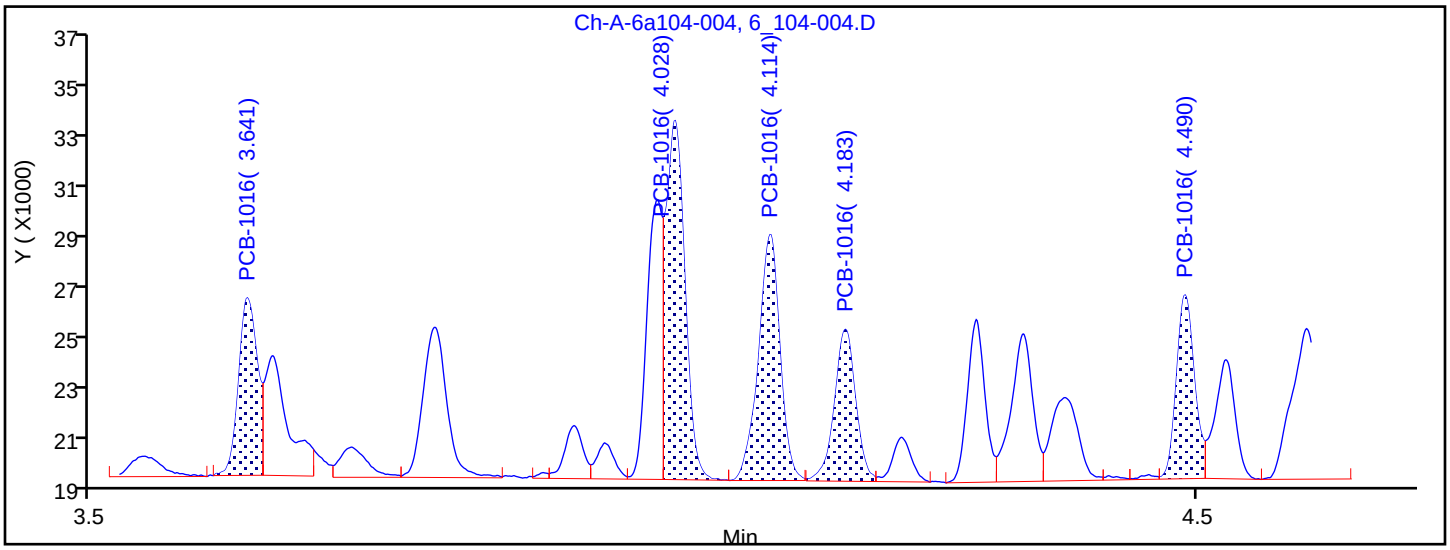
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.641	Response = 8137
4.028	Response = 16363
4.114	Response = 6805
4.183	Response = 7833
4.490	Response = 8089



Manual Integration Results

3.641	Response = 8137	
4.028	Response = 16363	
4.114	Response = 12797	M
4.183	Response = 7833	
4.490	Response = 8089	

Reviewer: clarkda, 23-Feb-2022 17:36:08

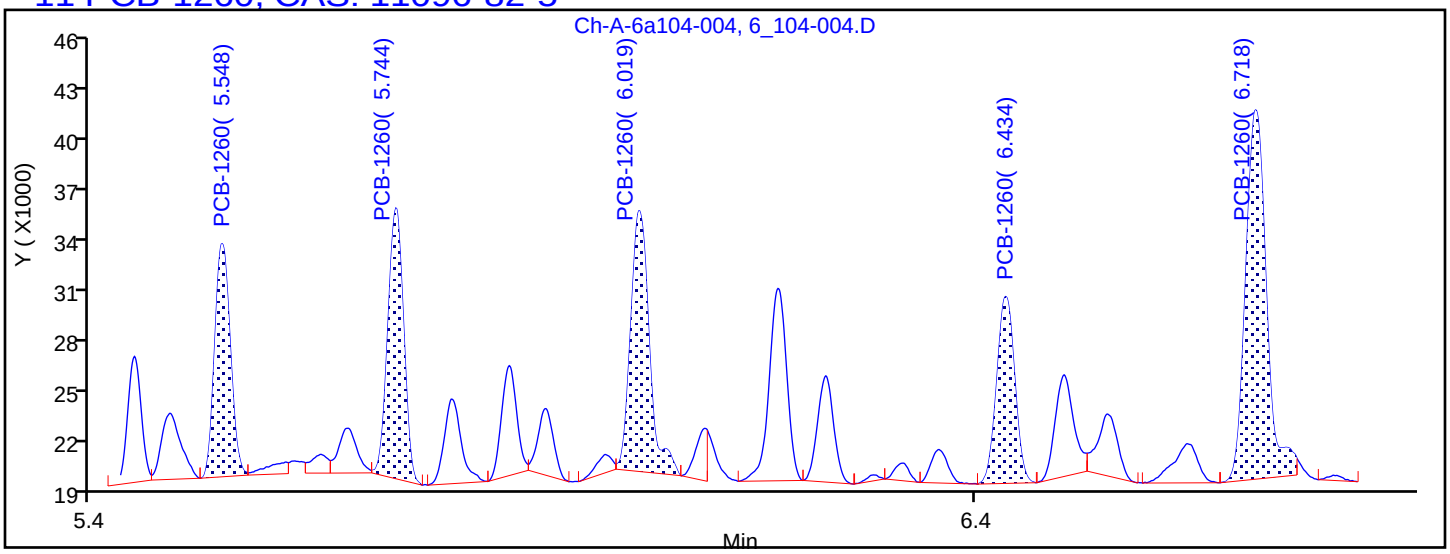
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 24-Feb-2022 16:57:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

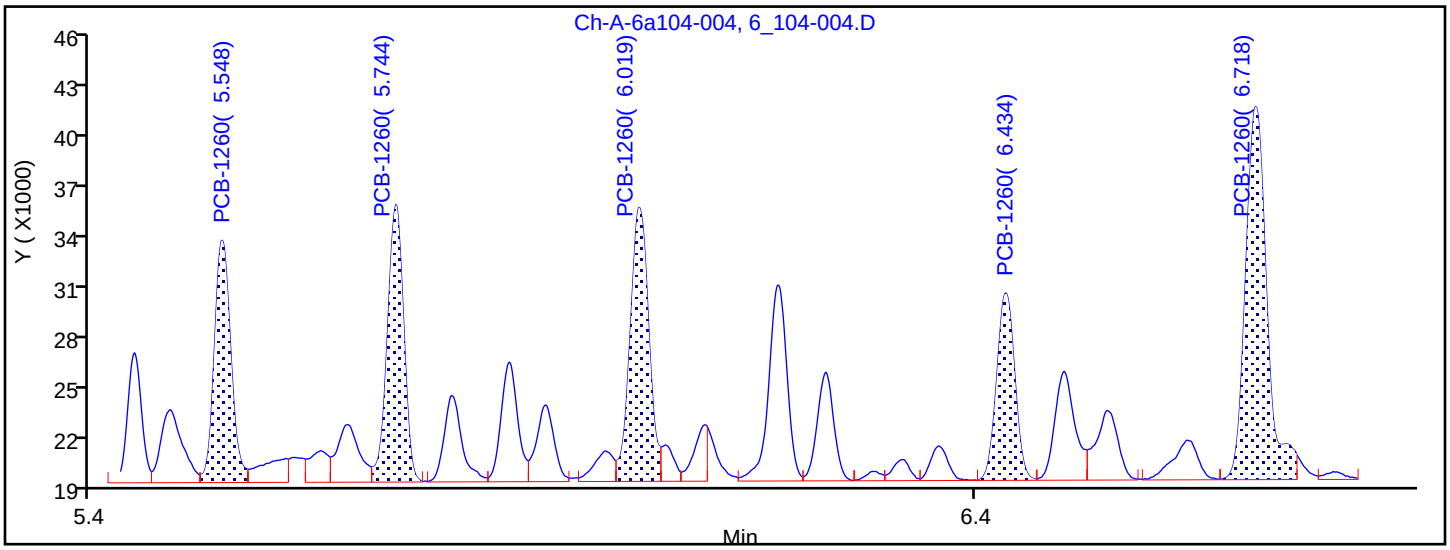
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D
Injection Date: 23-Feb-2022 16:36:31 Instrument ID: HP6890-6
Lims ID: IC level 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.548	Response = 16333
5.744	Response = 19105
6.019	Response = 21913
6.434	Response = 15110
6.718	Response = 34457



Manual Integration Results

5.548	Response = 18083	M
5.744	Response = 20404	M
6.019	Response = 23016	M
6.434	Response = 15226	M
6.718	Response = 35744	M

Reviewer: clarkda, 23-Feb-2022 17:37:21
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-005.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 16:49:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:22 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 16:09:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6180868	0.5000	0.5000	
2	2.268	2.267	0.001	6594730	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	3.023	3.022	0.001	19099	0.001250	0.001155	
2	3.088	3.086	0.002	22824	0.001250	0.001259	M
						RPD = 8.61	
6 PCB-1016							
1	3.643	3.641	0.001	18311	0.0501	0.0513	
1	4.030	4.028	0.002	37264	0.0501	0.0497	
1	4.115	4.114	0.001	25939	0.0501	0.0499	
1	4.183	4.183	0.001	16669	0.0501	0.0521	
1	4.491	4.490	0.001	18639	0.0501	0.0533	
		Average of Peak Amounts =				0.0513	
2	3.563	3.561	0.001	15386	0.0501	0.0518	
2	3.929	3.928	0.001	34856	0.0501	0.0512	
2	4.291	4.289	0.002	35479	0.0501	0.0495	
2	4.418	4.417	0.001	25845	0.0501	0.0496	
2	4.826	4.824	0.002	23148	0.0501	0.0505	
		Average of Peak Amounts =				0.0505	
						RPD = 1.49	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.548	0.000	36011	0.0502	0.0490	
1	5.744	5.744	0.000	41199	0.0502	0.0495	
1	6.022	6.019	0.003	47918	0.0502	0.0498	
1	6.435	6.434	0.001	33301	0.0502	0.0515	
1	6.719	6.718	0.001	78323	0.0502	0.0503	
		Average of Peak Amounts =				0.0500	
2	5.875	5.873	0.002	35556	0.0502	0.0511	
2	5.983	5.982	0.001	42993	0.0502	0.0504	
2	6.426	6.423	0.003	40128	0.0502	0.0508	
2	6.901	6.899	0.002	37885	0.0502	0.0512	
2	7.104	7.102	0.002	83743	0.0502	0.0496	
		Average of Peak Amounts =				0.0506	
						RPD = 1.22	
9 1260 Res 1							
1	7.104	7.103	0.001	42482	NR	NR	
2	6.901	6.899	0.002	37885	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.200	7.201	-0.001	22770	NR	NR	
2	7.007	7.004	0.003	28886	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.278	7.275	0.003	27184	NR	NR	
2	7.104	7.102	0.002	83743	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.289	0.000	24929	0.001250	0.001367	
2	10.253	10.253	0.000	23285	0.001250	0.001294	
						RPD = 5.45	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-005.D

Injection Date: 23-Feb-2022 16:49:47 Instrument ID: HP6890-6 Operator ID: BufTCHROM

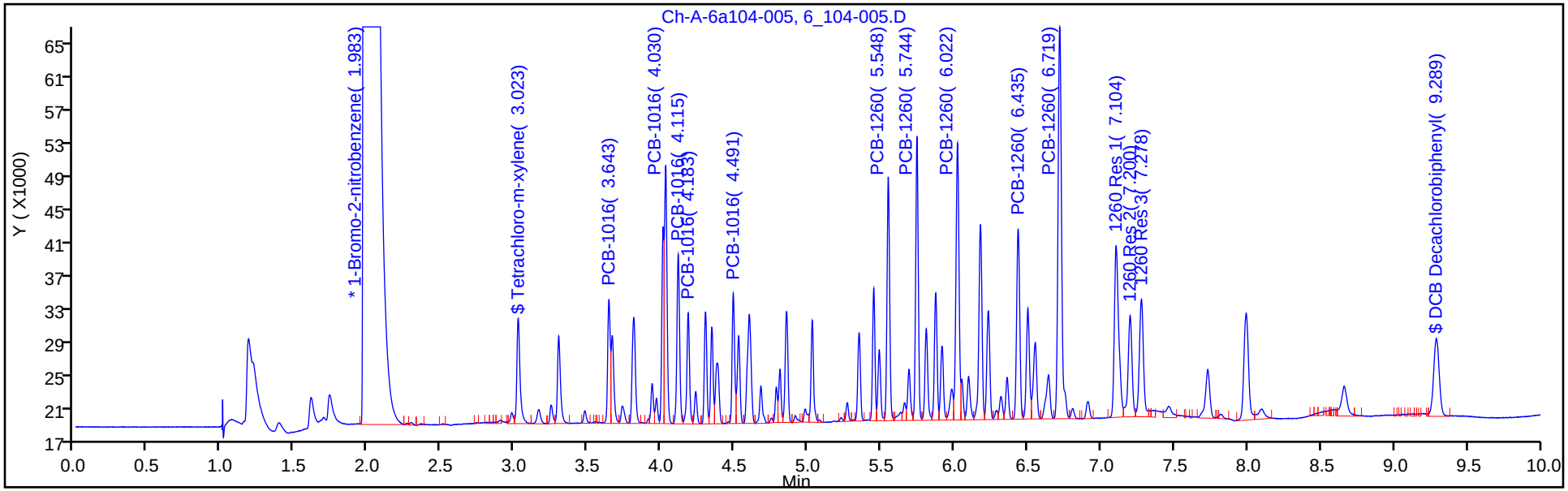
Lims ID: IC level 2 Worklist Smp#: 5

Client ID:

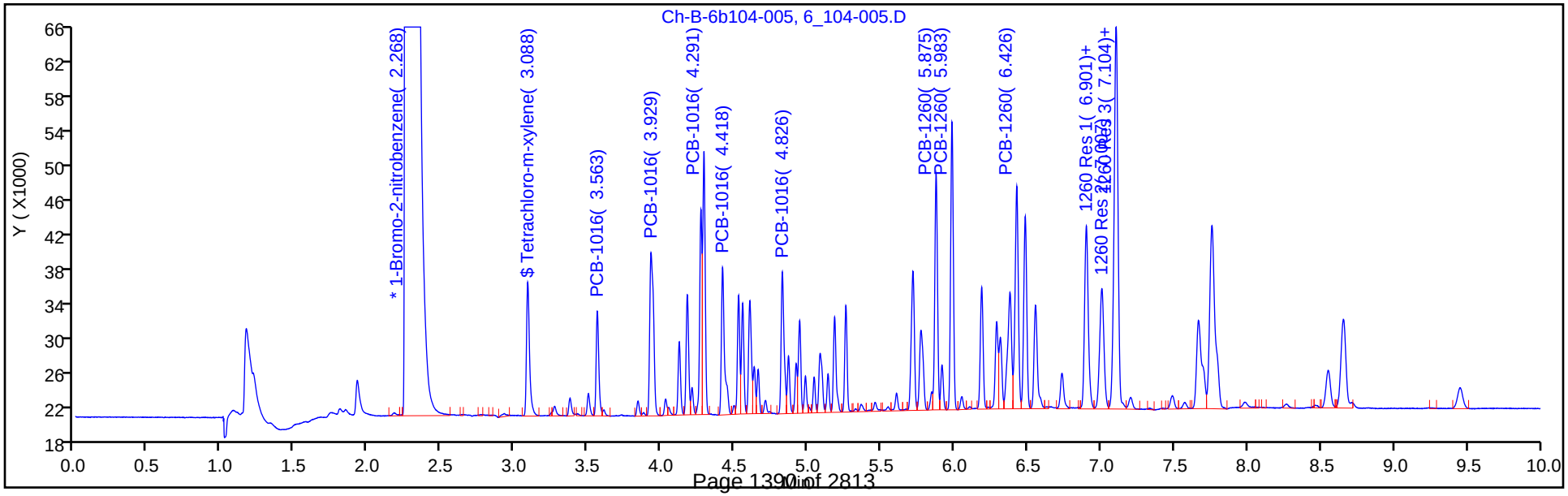
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-006.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 17:03:11 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:24 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 17:35:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.983	0.001	6381047	0.5000	0.5000	
2	2.268	2.267	0.001	6785779	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.023	3.022	0.000	39433	0.002500	0.002521	
2	3.088	3.086	0.002	45735	0.002500	0.002558	
						RPD = 1.43	
6 PCB-1016							
1	3.642	3.641	0.001	36787	0.1003	0.1072	
1	4.028	4.028	0.000	73206	0.1003	0.0991	
1	4.115	4.114	0.001	49450	0.1003	0.1019	
1	4.183	4.183	0.000	32296	0.1003	0.1086	
1	4.491	4.490	0.001	35695	0.1003	0.1065	
		Average of Peak Amounts =				0.1047	
2	3.562	3.561	0.001	30162	0.1003	0.1060	
2	3.928	3.928	0.000	67689	0.1003	0.1027	
2	4.290	4.289	0.001	73772	0.1003	0.1000	
2	4.418	4.417	0.001	51582	0.1003	0.1009	
2	4.825	4.824	0.001	47590	0.1003	0.1036	
		Average of Peak Amounts =				0.1026	
						RPD = 1.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.549	5.548	0.001	70362	0.1005	0.1029	
1	5.746	5.744	0.002	80780	0.1005	0.1051	
1	6.022	6.019	0.003	94469	0.1005	0.1045	
1	6.435	6.434	0.001	64420	0.1005	0.1072	
1	6.718	6.718	0.000	154320	0.1005	0.1027	
		Average of Peak Amounts =				0.1045	
2	5.875	5.873	0.002	70336	0.1005	0.1047	
2	5.983	5.982	0.000	84861	0.1005	0.1030	
2	6.426	6.423	0.003	79690	0.1005	0.1030	
2	6.900	6.899	0.001	73969	0.1005	0.1026	
2	7.103	7.102	0.001	167336	0.1005	0.0994	
		Average of Peak Amounts =				0.1026	
						RPD = 1.88	
9 1260 Res 1							
1	7.104	7.103	0.001	80661	NR	NR	
2	6.900	6.899	0.001	73969	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.201	7.201	0.000	41328	NR	NR	
2	7.007	7.004	0.003	55920	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.275	0.002	47767	NR	NR	
2	7.103	7.102	0.001	167336	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.292	9.289	0.003	48009	0.002500	0.002800	
2	10.257	10.253	0.005	45338	0.002500	0.002682	
						RPD = 4.28	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is0.1_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:25 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-006.D

Injection Date: 23-Feb-2022 17:03:11 Instrument ID: HP6890-6 Operator ID: BufTCHROM

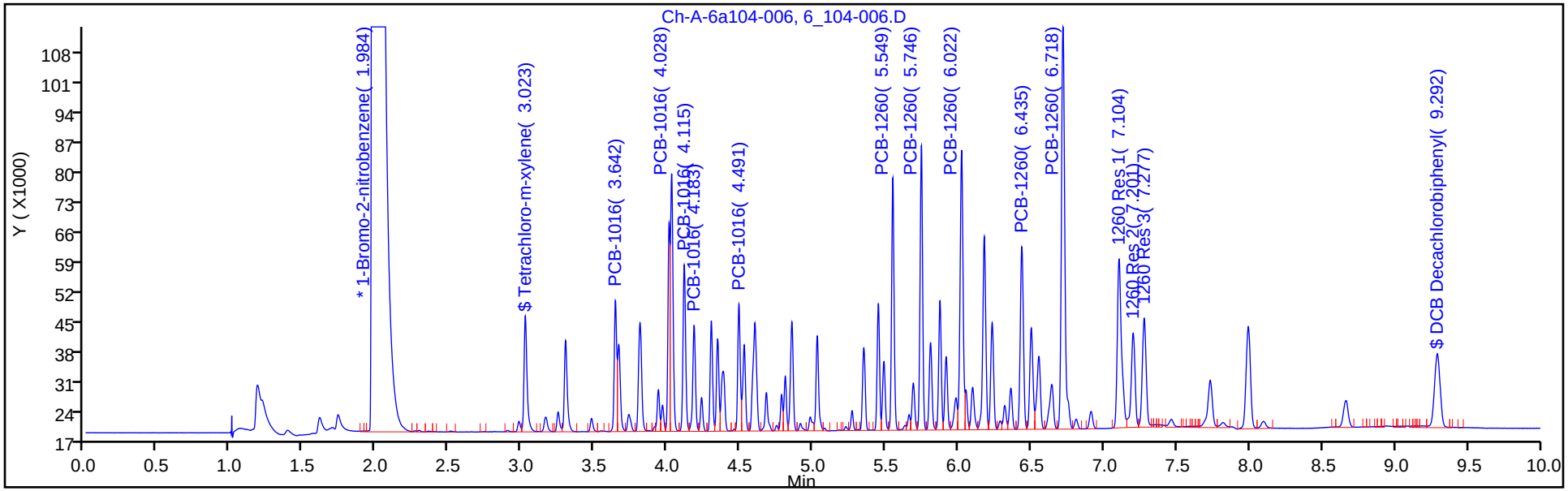
Lims ID: IC level 3 Worklist Smp#: 6

Client ID:

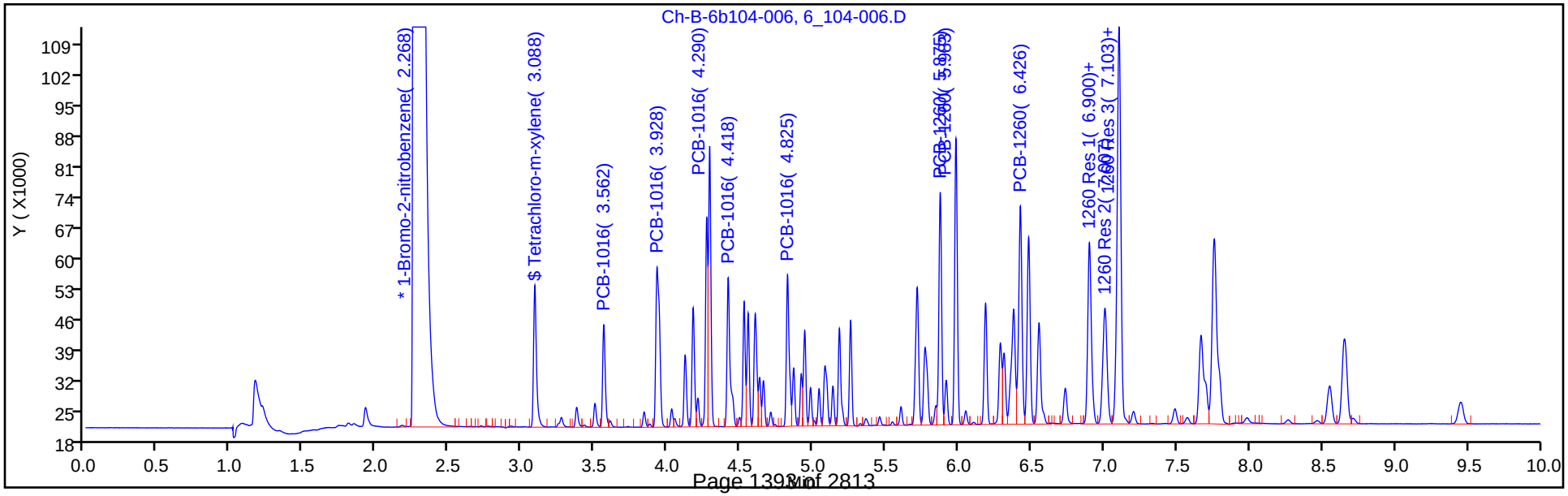
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-007.D
Lims ID: IC level 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Feb-2022 17:16:27 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:26 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 17:33:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6189043	0.5000	0.5000	
2	2.268	2.267	0.001	6597395	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.023	3.022	0.000	74172	0.005000	0.005088	
2	3.088	3.086	0.002	84461	0.005000	0.004958	
						RPD = 2.58	
6 PCB-1016							
1	3.643	3.641	0.001	64251	0.2006	0.1994	
1	4.029	4.028	0.001	138486	0.2006	0.1980	
1	4.116	4.114	0.002	87622	0.2006	0.1957	
1	4.183	4.183	0.001	57987	0.2006	0.2116	
1	4.491	4.490	0.001	63051	0.2006	0.2012	
		Average of Peak Amounts =				0.2012	
2	3.563	3.561	0.002	54771	0.2006	0.2050	
2	3.930	3.928	0.002	121627	0.2006	0.1957	
2	4.291	4.289	0.002	139301	0.2006	0.1942	
2	4.418	4.417	0.001	94334	0.2006	0.1941	
2	4.826	4.824	0.002	84687	0.2006	0.1919	
		Average of Peak Amounts =				0.1962	
						RPD = 2.52	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.548	0.000	122156	0.2009	0.1933	
1	5.745	5.744	0.001	141809	0.2009	0.2002	
1	6.021	6.019	0.002	166992	0.2009	0.1991	
1	6.435	6.434	0.001	112300	0.2009	0.2024	
1	6.719	6.718	0.001	277343	0.2009	0.1967	
		Average of Peak Amounts =				0.1983	
2	5.876	5.873	0.003	118452	0.2009	0.1865	
2	5.983	5.982	0.001	144259	0.2009	0.1851	
2	6.425	6.423	0.002	140875	0.2009	0.1918	
2	6.900	6.899	0.001	133553	0.2009	0.1958	
2	7.104	7.102	0.002	309865	0.2009	0.1924	
		Average of Peak Amounts =				0.1903	
						RPD = 4.13	
9 1260 Res 1							
1	7.103	7.103	0.000	143880	NR	NR	
2	6.900	6.899	0.001	133553	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.199	7.201	-0.002	72975	NR	NR	
2	7.008	7.004	0.004	99939	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.275	0.002	83332	NR	NR	
2	7.104	7.102	0.002	309865	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.290	9.289	0.001	81239	0.005000	0.005100	
2	10.251	10.253	-0.001	79085	0.005000	0.005020	
						RPD = 1.57	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

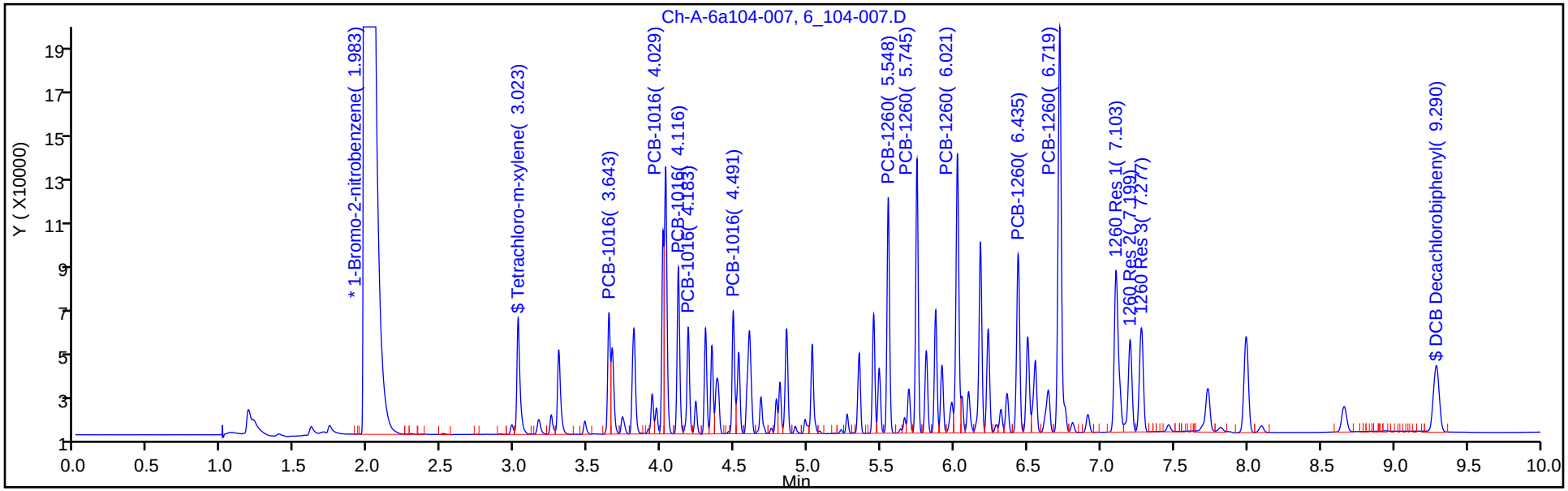
1660sur/is0.2_00022 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

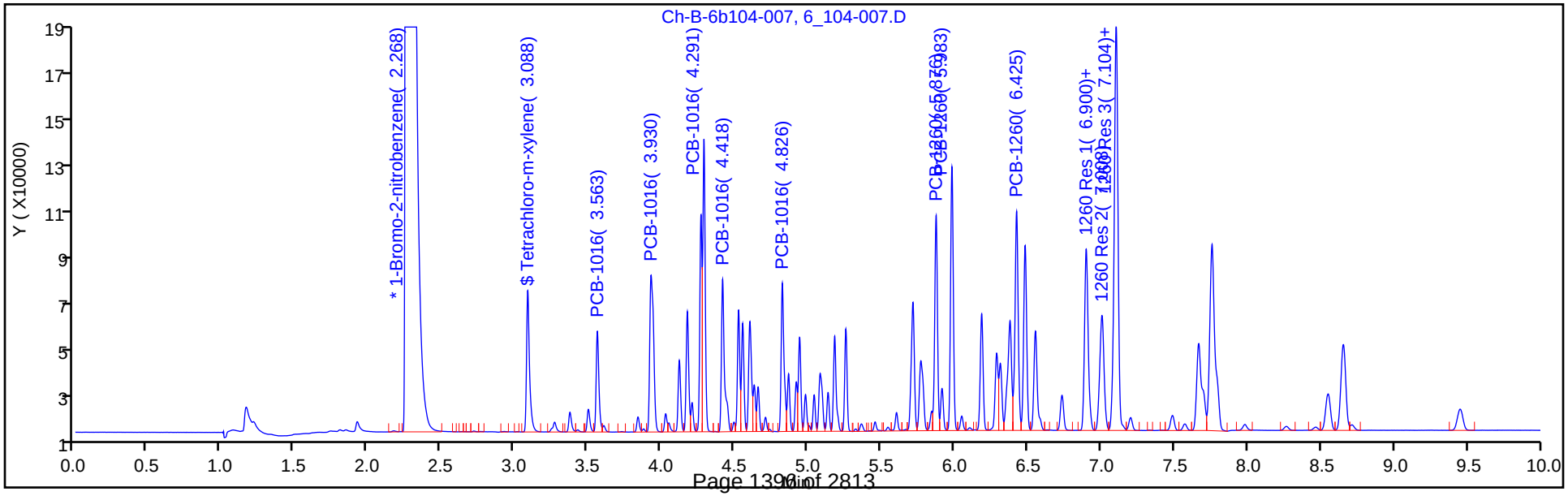
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-007.D				
Injection Date:	23-Feb-2022 17:16:27	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-008.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 23-Feb-2022 17:29:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:28 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 18:45:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6180949	0.5000	0.5000	
2	2.269	2.269	0.000	6575470	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	3.022	3.022	0.000	183746	0.0125	0.0129	
2	3.090	3.090	0.000	212079	0.0125	0.0127	M
						RPD = 2.13	
6 PCB-1016							
1	3.642	3.642	0.000	152284	0.5014	0.4839	
1	4.028	4.028	0.000	347128	0.5014	0.5043	
1	4.113	4.113	0.000	207316	0.5014	0.4794	
1	4.182	4.182	0.000	132635	0.5014	0.5005	
1	4.490	4.490	0.000	143951	0.5014	0.4715	
		Average of Peak Amounts =				0.4879	
2	3.564	3.564	0.000	129206	0.5014	0.4963	
2	3.931	3.931	0.000	291199	0.5014	0.4798	
2	4.292	4.292	0.000	356191	0.5014	0.4981	
2	4.418	4.418	0.000	228903	0.5014	0.4796	
2	4.826	4.826	0.000	204299	0.5014	0.4683	
		Average of Peak Amounts =				0.4844	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.547	5.547	0.000	285440	0.5023	0.4675	
1	5.743	5.743	0.000	337747	0.5023	0.4946	
1	6.020	6.020	0.000	401533	0.5023	0.4941	
1	6.434	6.434	0.000	266784	0.5023	0.4983	
1	6.717	6.717	0.000	683761	0.5023	0.4964	
		Average of Peak Amounts =				0.4902	
2	5.876	5.876	0.000	314213	0.5023	0.5080	
2	5.984	5.984	0.000	385939	0.5023	0.5082	
2	6.427	6.427	0.000	366156	0.5023	0.5087	
2	6.901	6.901	0.000	336058	0.5023	0.5037	
2	7.105	7.105	0.000	800772	0.5023	0.5040	
		Average of Peak Amounts =				0.5065	
						RPD = 3.28	
9 1260 Res 1							
1	7.103	7.103	0.000	344057	NR	NR	
2	6.901	6.901	0.000	336058	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	169470	NR	NR	
2	7.008	7.008	0.000	246299	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.274	7.274	0.000	198103	NR	NR	
2	7.105	7.105	0.000	800772	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.291	9.291	0.000	186527	0.0125	0.0121	
2	10.255	10.255	0.000	184175	0.0125	0.0121	
						RPD = 0.17	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-008.D

Injection Date: 23-Feb-2022 17:29:43 Instrument ID: HP6890-6 Operator ID: BufTCHROM

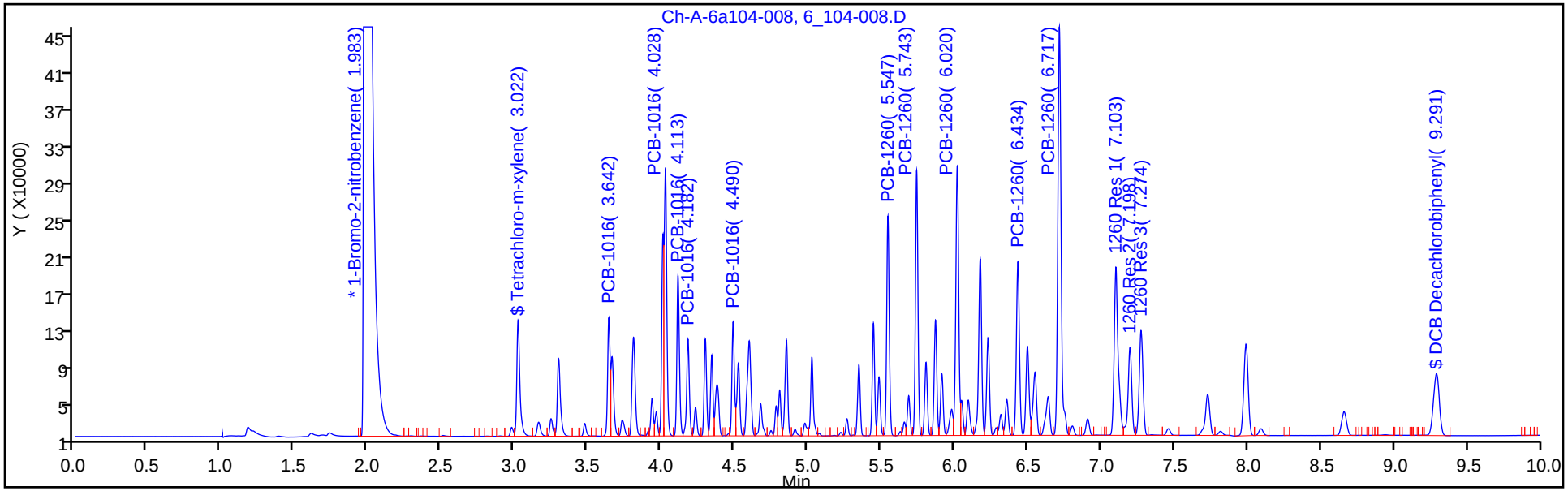
Lims ID: ICIS Worklist Smp#: 8

Client ID:

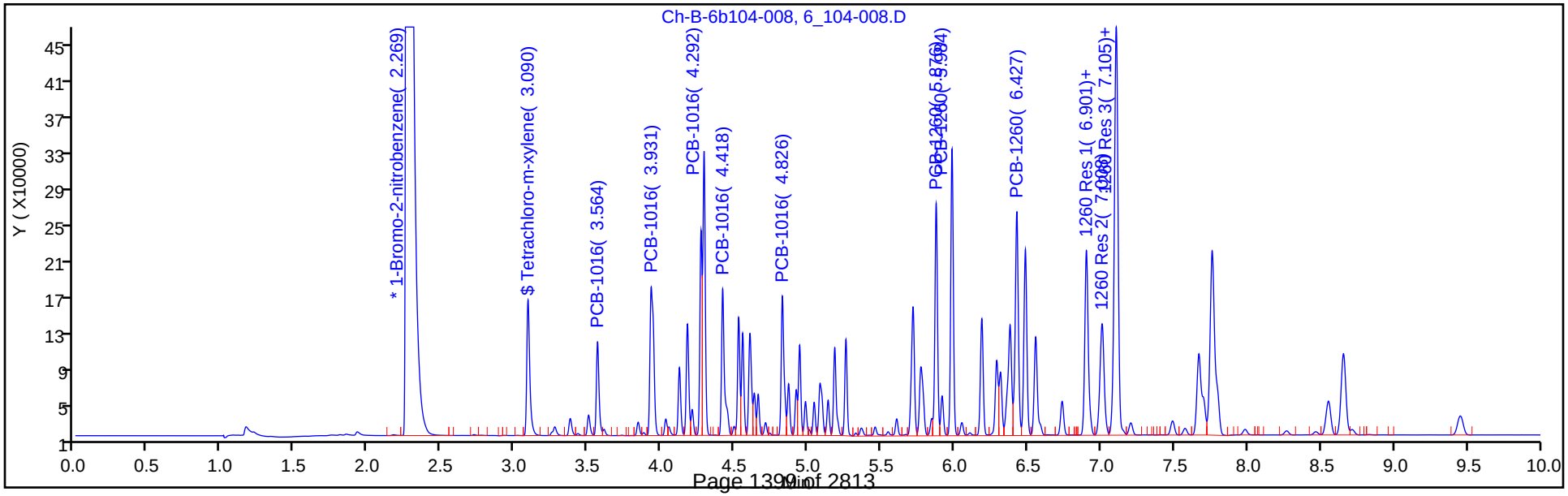
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-009.D
Lims ID: IC level 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Feb-2022 17:42:58 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:31 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.982	1.983	-0.001	5788382	0.5000	0.5000	
2	2.269	2.269	0.000	6155447	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.021	3.022	-0.001	343626	0.0250	0.0260	
2	3.090	3.090	0.000	399244	0.0250	0.0256	
						RPD = 1.80	
6 PCB-1016							
1	3.641	3.642	-0.001	268527	1.00	0.9180	
1	4.027	4.028	-0.001	628277	1.00	0.9792	
1	4.113	4.113	0.000	379955	1.00	0.9494	
1	4.181	4.182	-0.001	240099	1.00	0.9789	
1	4.489	4.490	-0.001	260078	1.00	0.9179	
		Average of Peak Amounts =				0.9487	
2	3.565	3.564	0.001	229696	1.00	0.9498	
2	3.932	3.931	0.001	526299	1.00	0.9328	
2	4.292	4.292	0.000	660572	1.00	0.9869	
2	4.419	4.418	0.001	419408	1.00	0.9433	
2	4.827	4.826	0.001	379406	1.00	0.9316	
		Average of Peak Amounts =				0.9489	
						RPD = 0.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.546	5.547	-0.001	536253	1.00	0.9494	
1	5.742	5.743	0.000	637445	1.00	1.01	
1	6.019	6.020	-0.001	761402	1.00	1.01	
1	6.433	6.434	-0.001	495637	1.00	1.00	
1	6.718	6.717	0.001	1295967	1.00	1.01	
		Average of Peak Amounts =				1.00	
2	5.876	5.876	0.000	579777	1.00	1.01	
2	5.985	5.984	0.001	713999	1.00	1.01	
2	6.428	6.427	0.001	673074	1.00	1.00	
2	6.903	6.901	0.001	617833	1.00	1.00	
2	7.106	7.105	0.001	1499897	1.00	1.01	
		Average of Peak Amounts =				1.01	
						RPD = 0.95	
9 1260 Res 1							
1	7.103	7.103	0.001	637508	NR	NR	
2	6.903	6.901	0.001	617833	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	301661	NR	NR	
2	7.009	7.008	0.001	447591	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.274	7.274	0.000	359215	NR	NR	
2	7.106	7.105	0.001	1499897	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.291	-0.002	321829	0.0250	0.0225	
2	10.256	10.255	0.001	314255	0.0250	0.0222	
						RPD = 1.36	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is1.0_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-009.D

Injection Date: 23-Feb-2022 17:42:58 Instrument ID: HP6890-6 Operator ID: BufTCHROM

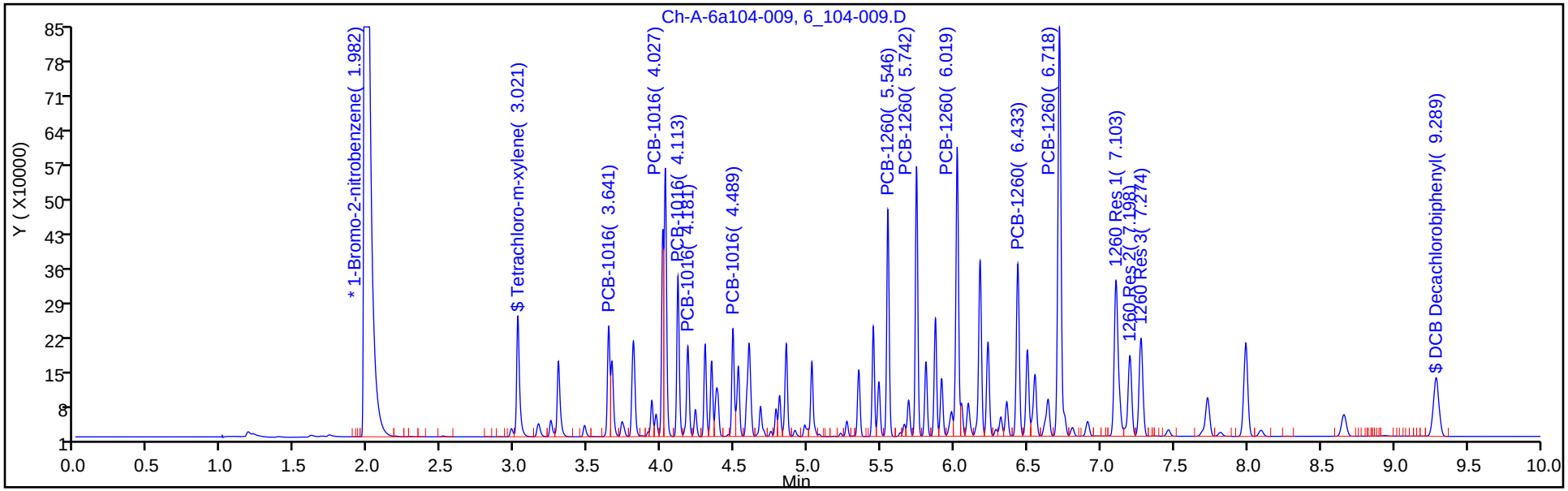
Lims ID: IC level 6 Worklist Smp#: 9

Client ID:

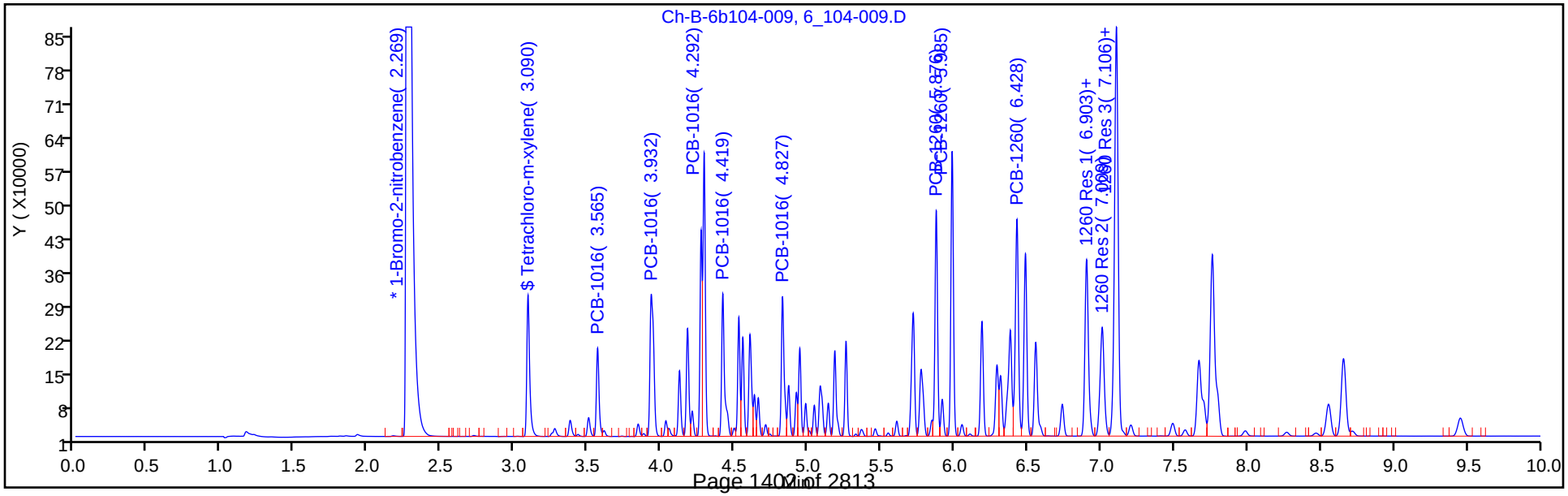
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-010.D
Lims ID: IC level 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Feb-2022 17:56:06 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:33 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 16:02:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	4760318	0.5000	0.5000	
2	2.270	2.269	0.001	4786157	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.021	3.022	-0.001	512906	0.0500	0.0474	
2	3.090	3.090	0.000	575127	0.0500	0.0475	
						RPD = 0.09	
6 PCB-1016							
1	3.642	3.642	0.000	505584	2.01	2.11	
1	4.029	4.028	0.001	1101885	2.01	2.09	
1	4.115	4.113	0.002	726377	2.01	2.22	
1	4.182	4.182	0.000	355940	2.01	1.77	
1	4.490	4.490	0.000	489284	2.01	2.11	
		Average of Peak Amounts =				2.06	
2	3.563	3.564	-0.001	366570	2.01	1.96	
2	3.931	3.931	0.000	964797	2.01	2.21	
2	4.293	4.292	0.001	1002461	2.01	1.93	
2	4.419	4.418	0.001	782647	2.01	2.27	
2	4.828	4.826	0.002	724762	2.01	2.29	
		Average of Peak Amounts =				2.13	
						RPD = 3.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.547	0.001	1066122	2.01	2.31	
1	5.743	5.743	0.001	1315464	2.01	2.55	
1	6.021	6.020	0.001	1577416	2.01	2.56	
1	6.434	6.434	0.000	1027889	2.01	2.54	
1	6.718	6.717	0.001	2579517	2.01	2.46	
		Average of Peak Amounts =				2.49	
2	5.877	5.876	0.001	1172520	2.01	2.63	
2	5.986	5.984	0.002	1471325	2.01	2.69	
2	6.428	6.427	0.001	1416504	2.01	2.73	
2	6.903	6.901	0.002	1298118	2.01	2.70	
2	7.107	7.105	0.002	2999009	2.01	2.61	
		Average of Peak Amounts =				2.67	
						RPD = 7.21	
9 1260 Res 1							
1	7.103	7.103	0.000	1306285	NR	NR	
2	6.903	6.901	0.002	1298118	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	565265	NR	NR	
2	7.009	7.008	0.001	902862	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.274	0.003	682128	NR	NR	
2	7.107	7.105	0.002	2999009	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.290	9.291	-0.001	611164	0.0500	0.0524	
2	10.255	10.255	0.000	578037	0.0500	0.0530	
						RPD = 1.01	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

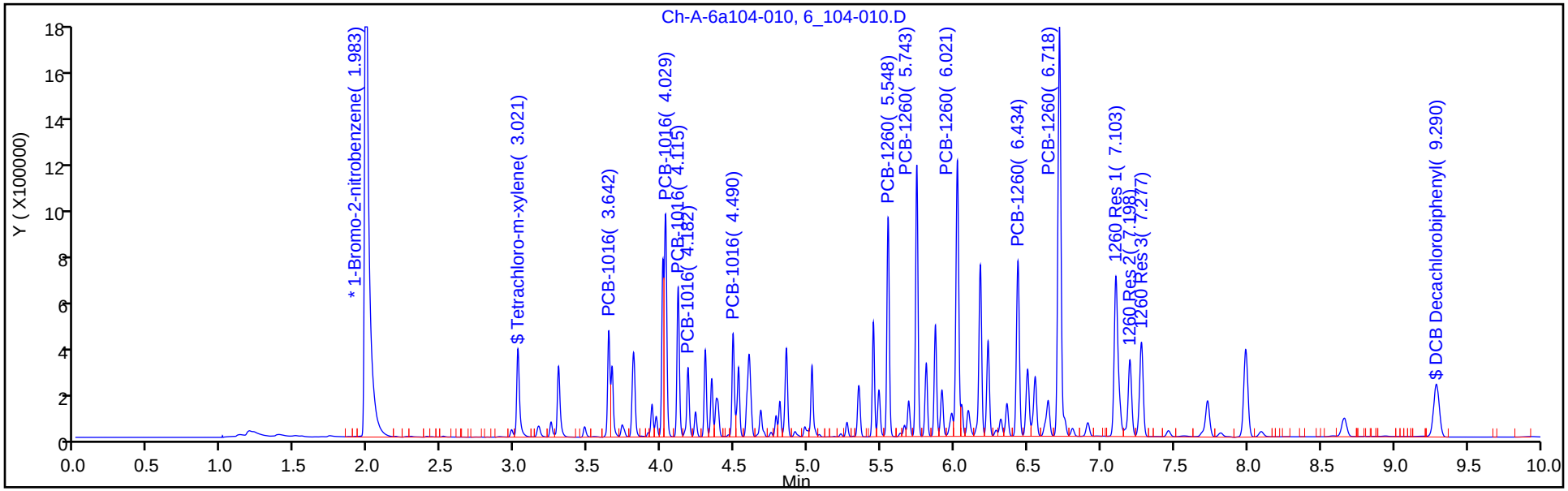
1660sur/is2.0_00026 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

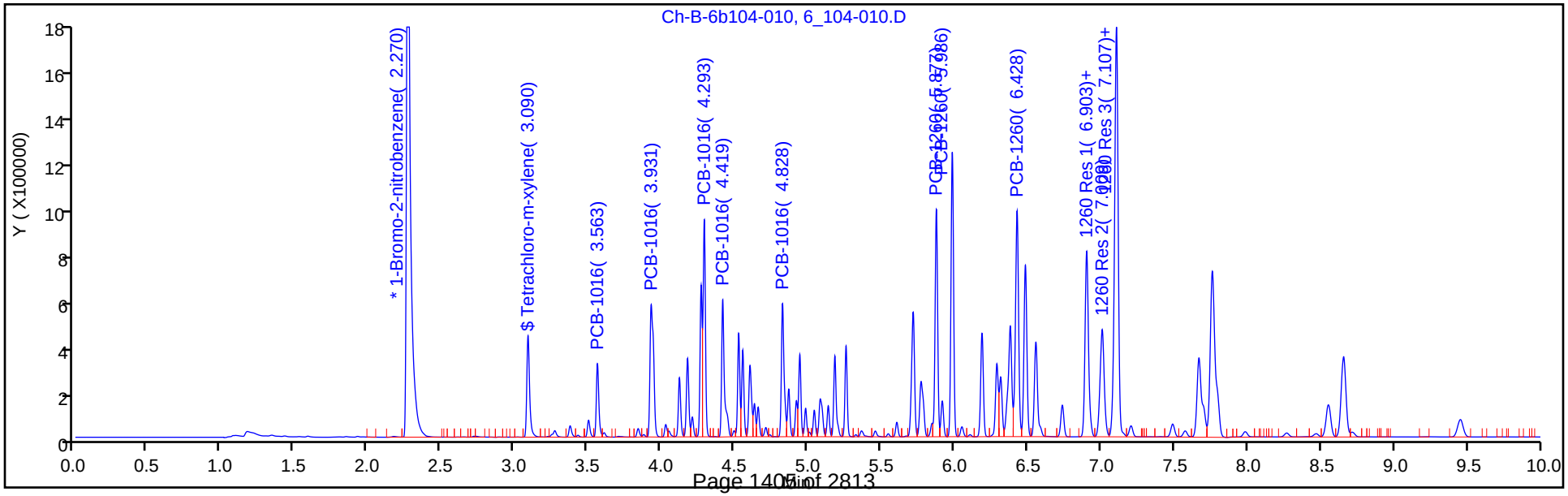
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-010.D				
Injection Date:	23-Feb-2022 17:56:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 7			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

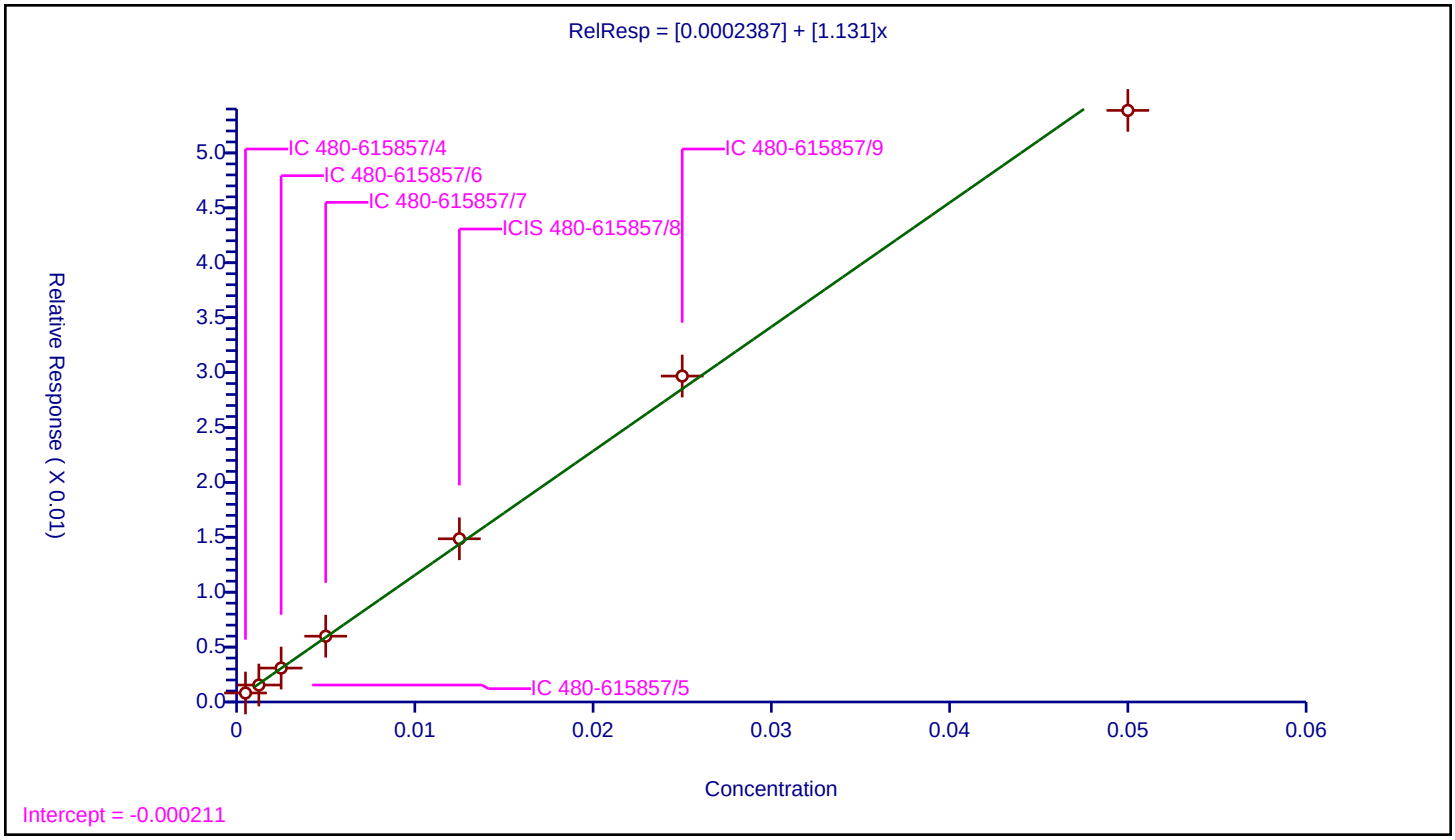
Curve Coefficients

Intercept:	0.0002387
Slope:	1.131

Error Coefficients

Standard Error:	291000
Relative Standard Error:	5.0
Correlation Coefficient:	0.972
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.0005	0.000818	0.5	5908705.0	1.636738	Y
2	IC 480-615857/5	0.00125	0.001545	0.5	6180868.0	1.236008	Y
3	IC 480-615857/6	0.0025	0.00309	0.5	6381047.0	1.235941	Y
4	IC 480-615857/7	0.005	0.005992	0.5	6189043.0	1.198441	Y
5	ICIS 480-615857/8	0.0125	0.014864	0.5	6180949.0	1.189112	Y
6	IC 480-615857/9	0.025	0.029682	0.5	5788382.0	1.187296	Y
7	IC 480-615857/10	0.05	0.053873	0.5	4760318.0	1.077462	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

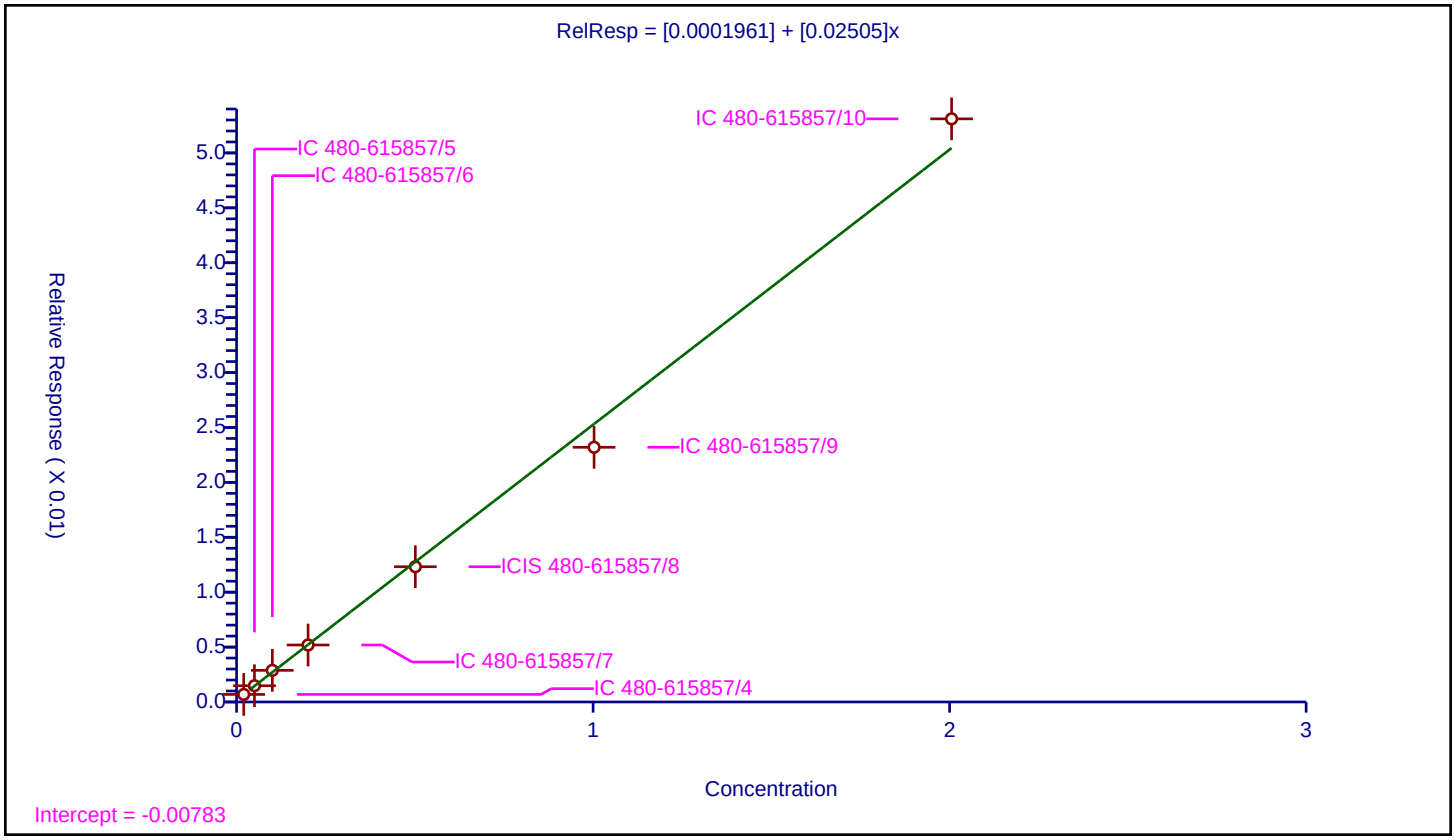
Curve Coefficients

Intercept:	0.0001961
Slope:	0.02505

Error Coefficients

Standard Error:	267000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.000689	0.5	5908705.0	0.034332	Y
2	IC 480-615857/5	0.05014	0.001481	0.5	6180868.0	0.029543	Y
3	IC 480-615857/6	0.10028	0.002883	0.5	6381047.0	0.028745	Y
4	IC 480-615857/7	0.20056	0.005191	0.5	6189043.0	0.025881	Y
5	ICIS 480-615857/8	0.5014	0.012319	0.5	6180949.0	0.024569	Y
6	IC 480-615857/9	1.0028	0.023195	0.5	5788382.0	0.023131	Y
7	IC 480-615857/10	2.0056	0.053104	0.5	4760318.0	0.026478	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

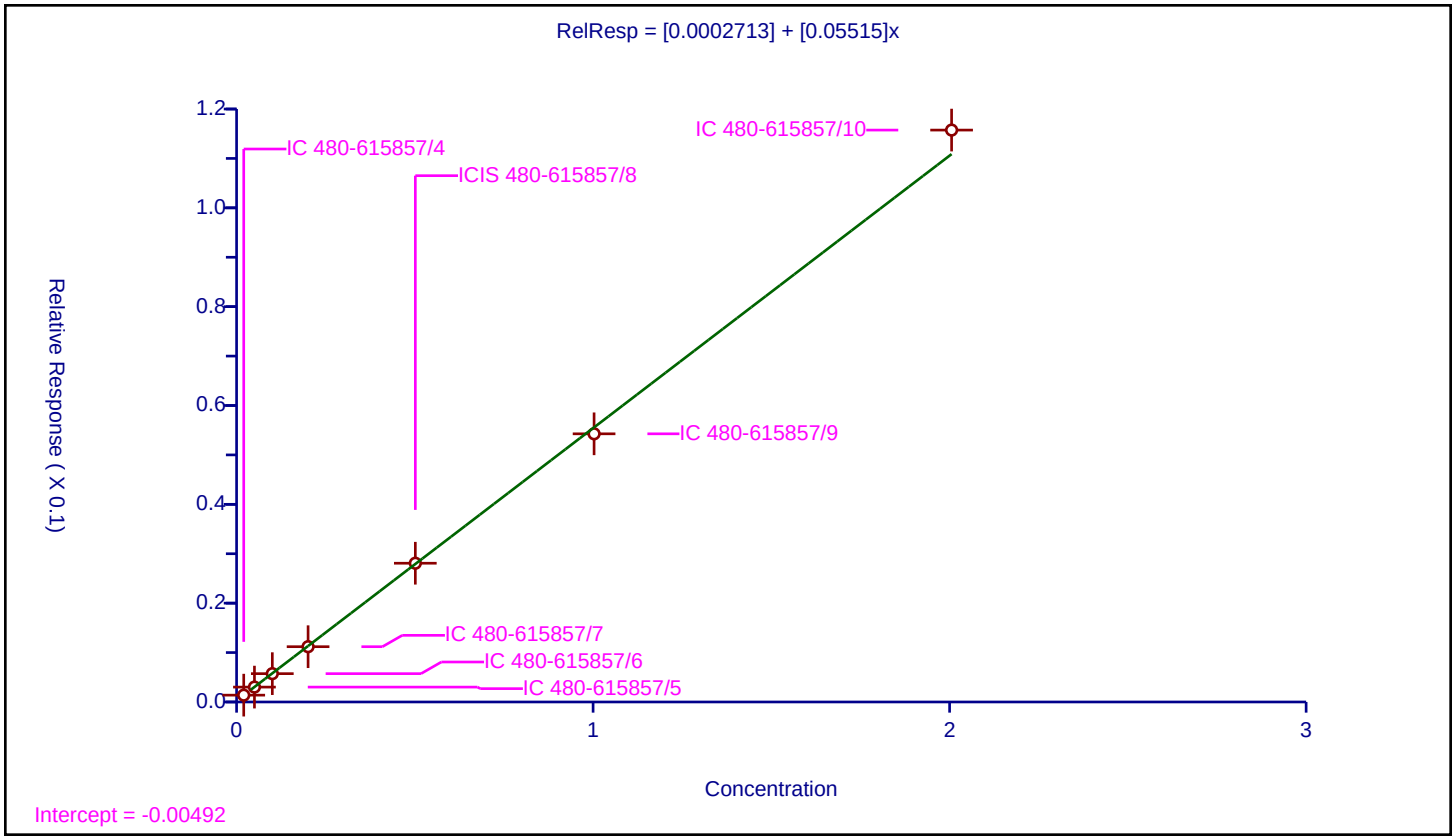
Curve Coefficients

Intercept:	0.0002713
Slope:	0.05515

Error Coefficients

Standard Error:	593000
Relative Standard Error:	2.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.001385	0.5	5908705.0	0.069039	Y
2	IC 480-615857/5	0.05014	0.003014	0.5	6180868.0	0.060121	Y
3	IC 480-615857/6	0.10028	0.005736	0.5	6381047.0	0.057202	Y
4	IC 480-615857/7	0.20056	0.011188	0.5	6189043.0	0.055784	Y
5	ICIS 480-615857/8	0.5014	0.02808	0.5	6180949.0	0.056004	Y
6	IC 480-615857/9	1.0028	0.054271	0.5	5788382.0	0.054119	Y
7	IC 480-615857/10	2.0056	0.115736	0.5	4760318.0	0.057707	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

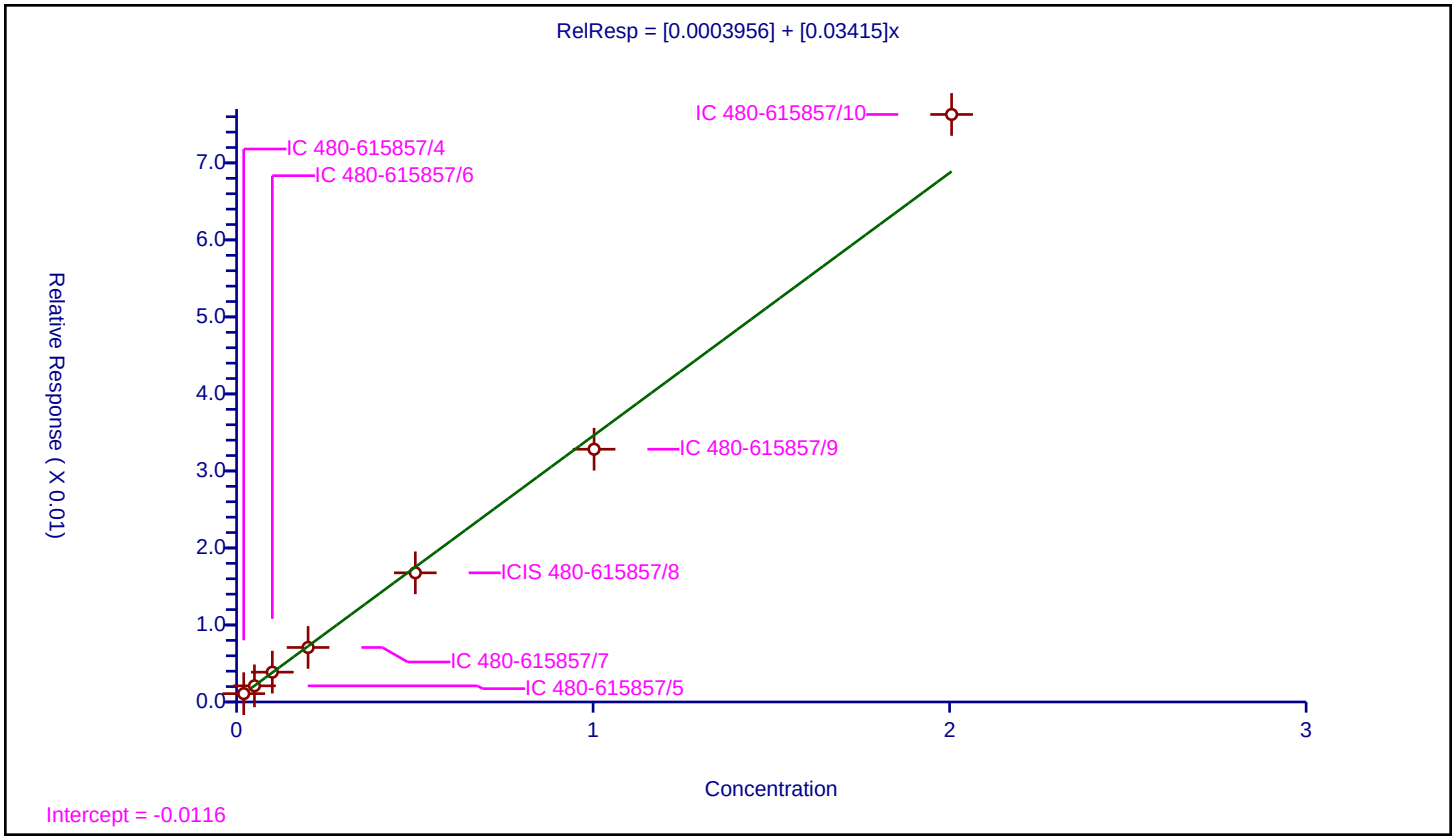
Curve Coefficients

Intercept:	0.0003956
Slope:	0.03415

Error Coefficients

Standard Error:	381000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.001083	0.5	5908705.0	0.053994	Y
2	IC 480-615857/5	0.05014	0.002098	0.5	6180868.0	0.041849	Y
3	IC 480-615857/6	0.10028	0.003875	0.5	6381047.0	0.038639	Y
4	IC 480-615857/7	0.20056	0.007079	0.5	6189043.0	0.035295	Y
5	ICIS 480-615857/8	0.5014	0.016771	0.5	6180949.0	0.033447	Y
6	IC 480-615857/9	1.0028	0.03282	0.5	5788382.0	0.032729	Y
7	IC 480-615857/10	2.0056	0.076295	0.5	4760318.0	0.038041	Y



Calibration / PCB-1016 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

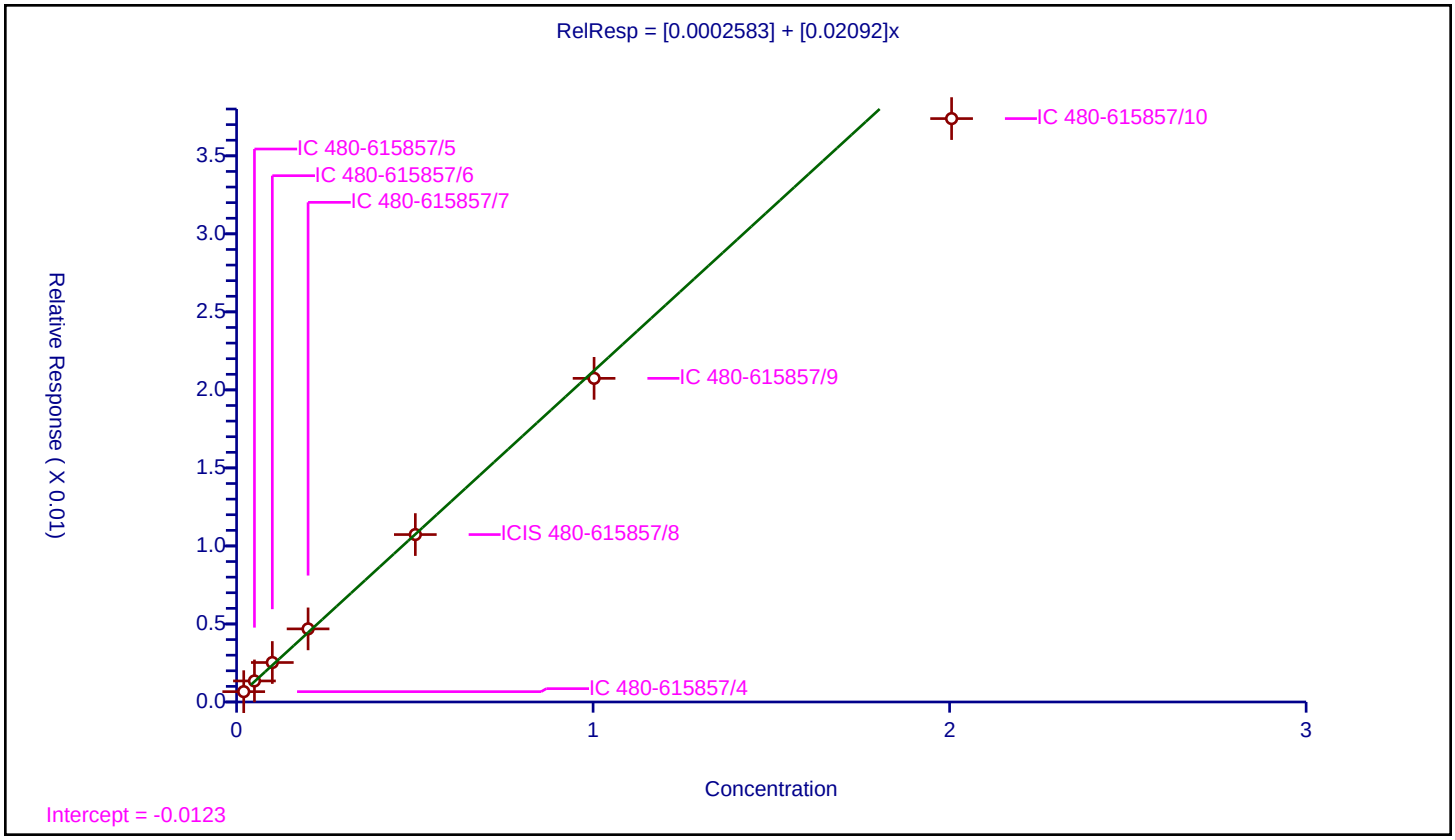
Curve Coefficients

Intercept:	0.0002583
Slope:	0.02092

Error Coefficients

Standard Error:	203000
Relative Standard Error:	7.3
Correlation Coefficient:	0.970
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.000663	0.5	5908705.0	0.033049	Y
2	IC 480-615857/5	0.05014	0.001348	0.5	6180868.0	0.026893	Y
3	IC 480-615857/6	0.10028	0.002531	0.5	6381047.0	0.025236	Y
4	IC 480-615857/7	0.20056	0.004685	0.5	6189043.0	0.023358	Y
5	ICIS 480-615857/8	0.5014	0.010729	0.5	6180949.0	0.021399	Y
6	IC 480-615857/9	1.0028	0.02074	0.5	5788382.0	0.020682	Y
7	IC 480-615857/10	2.0056	0.037386	0.5	4760318.0	0.018641	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

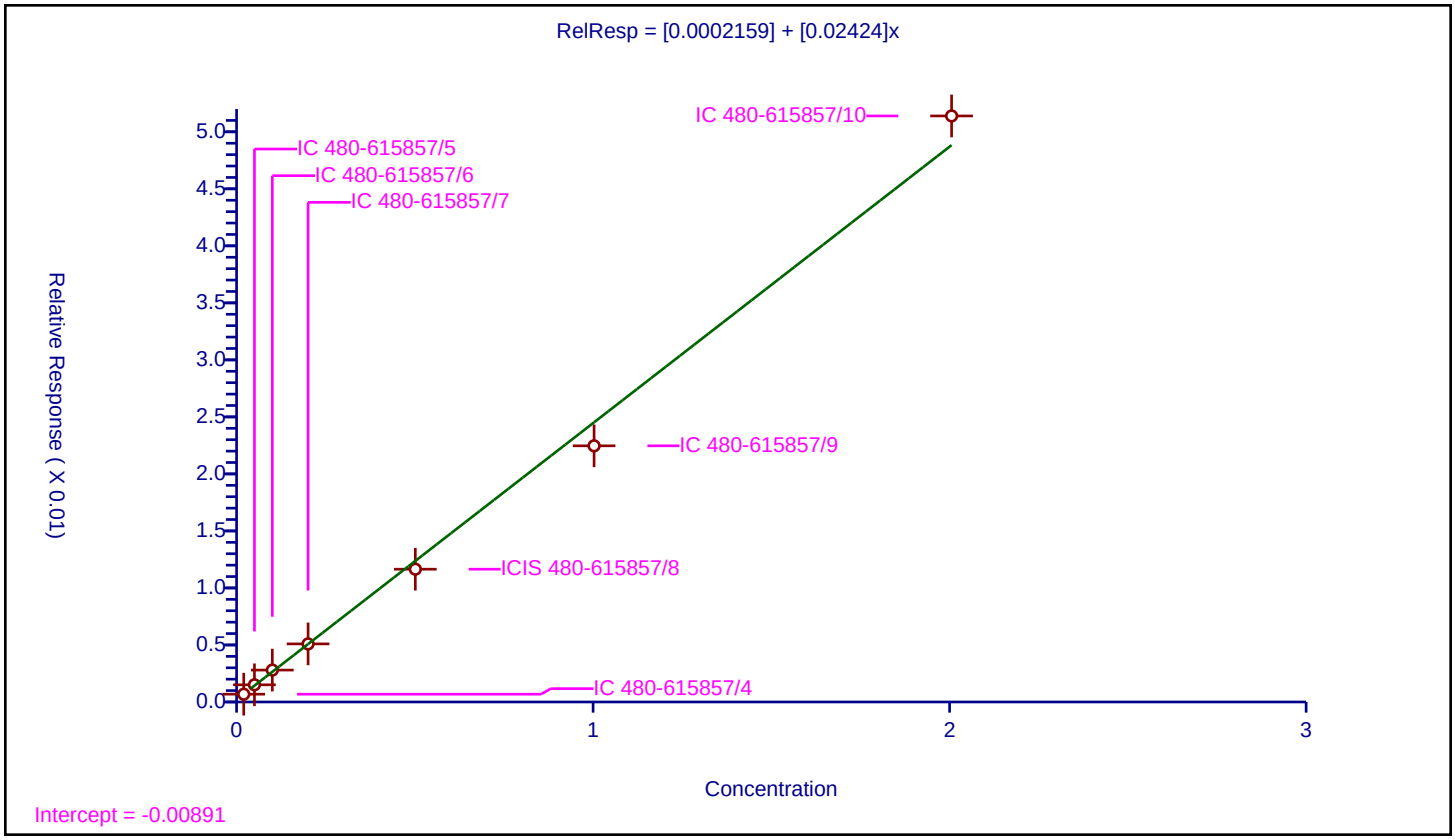
Curve Coefficients

Intercept:	0.0002159
Slope:	0.02424

Error Coefficients

Standard Error:	258000
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 480-615857/4	0.020056	0.000684	0.5	5908705.0	0.034129	Y
2	IC 480-615857/5	0.05014	0.001508	0.5	6180868.0	0.030072	Y
3	IC 480-615857/6	0.10028	0.002797	0.5	6381047.0	0.027891	Y
4	IC 480-615857/7	0.20056	0.005094	0.5	6189043.0	0.025398	Y
5	ICIS 480-615857/8	0.5014	0.011645	0.5	6180949.0	0.023224	Y
6	IC 480-615857/9	1.0028	0.022466	0.5	5788382.0	0.022403	Y
7	IC 480-615857/10	2.0056	0.051392	0.5	4760318.0	0.025624	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

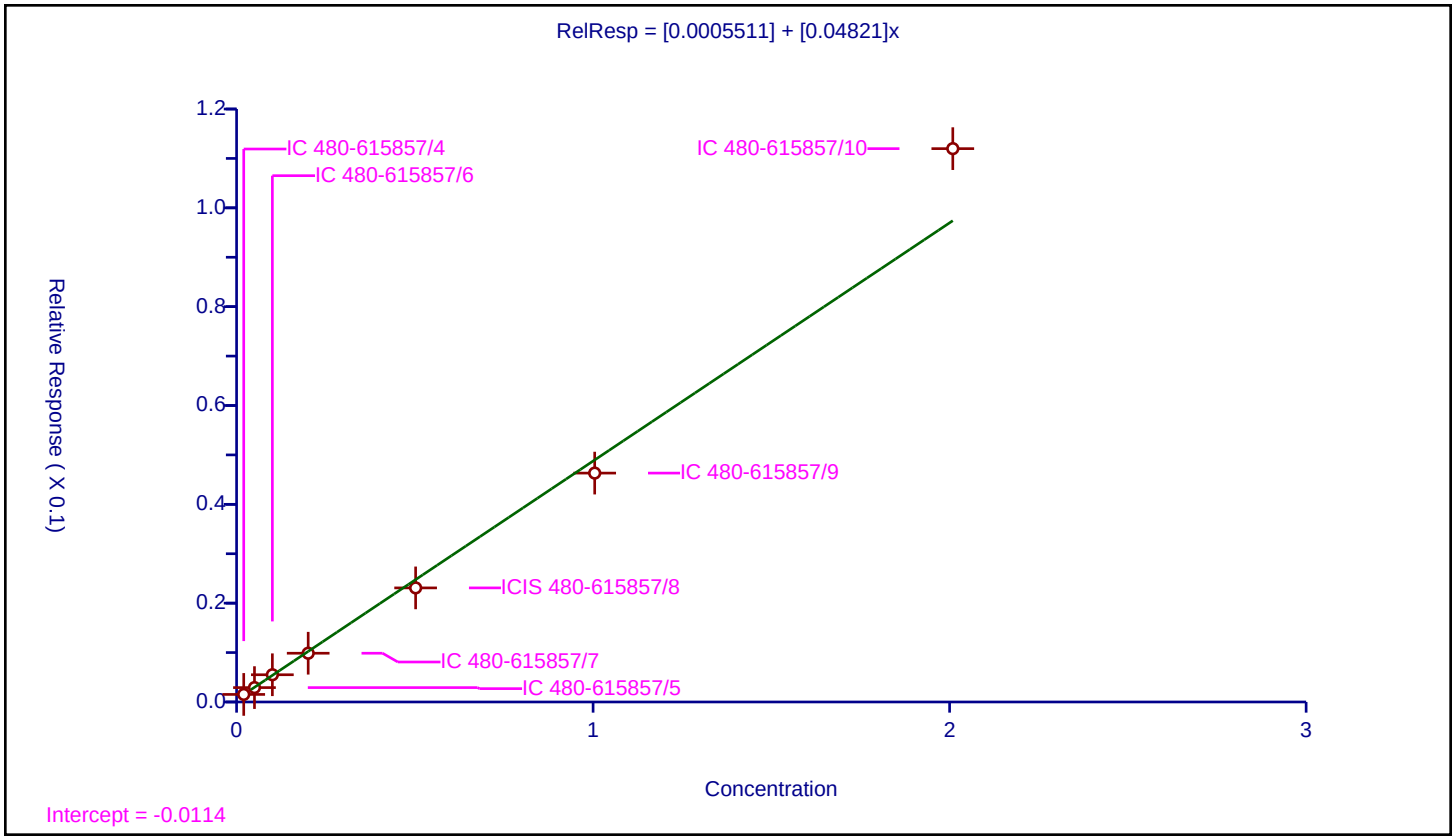
Curve Coefficients

Intercept:	0.0005511
Slope:	0.04821

Error Coefficients

Standard Error:	553000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.00153	0.5	5908705.0	0.076167	Y
2	IC 480-615857/5	0.050225	0.002913	0.5	6180868.0	0.058001	Y
3	IC 480-615857/6	0.10045	0.005513	0.5	6381047.0	0.054887	Y
4	IC 480-615857/7	0.2009	0.009869	0.5	6189043.0	0.049123	Y
5	ICIS 480-615857/8	0.50225	0.02309	0.5	6180949.0	0.045974	Y
6	IC 480-615857/9	1.0045	0.046321	0.5	5788382.0	0.046114	Y
7	IC 480-615857/10	2.009	0.11198	0.5	4760318.0	0.055739	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

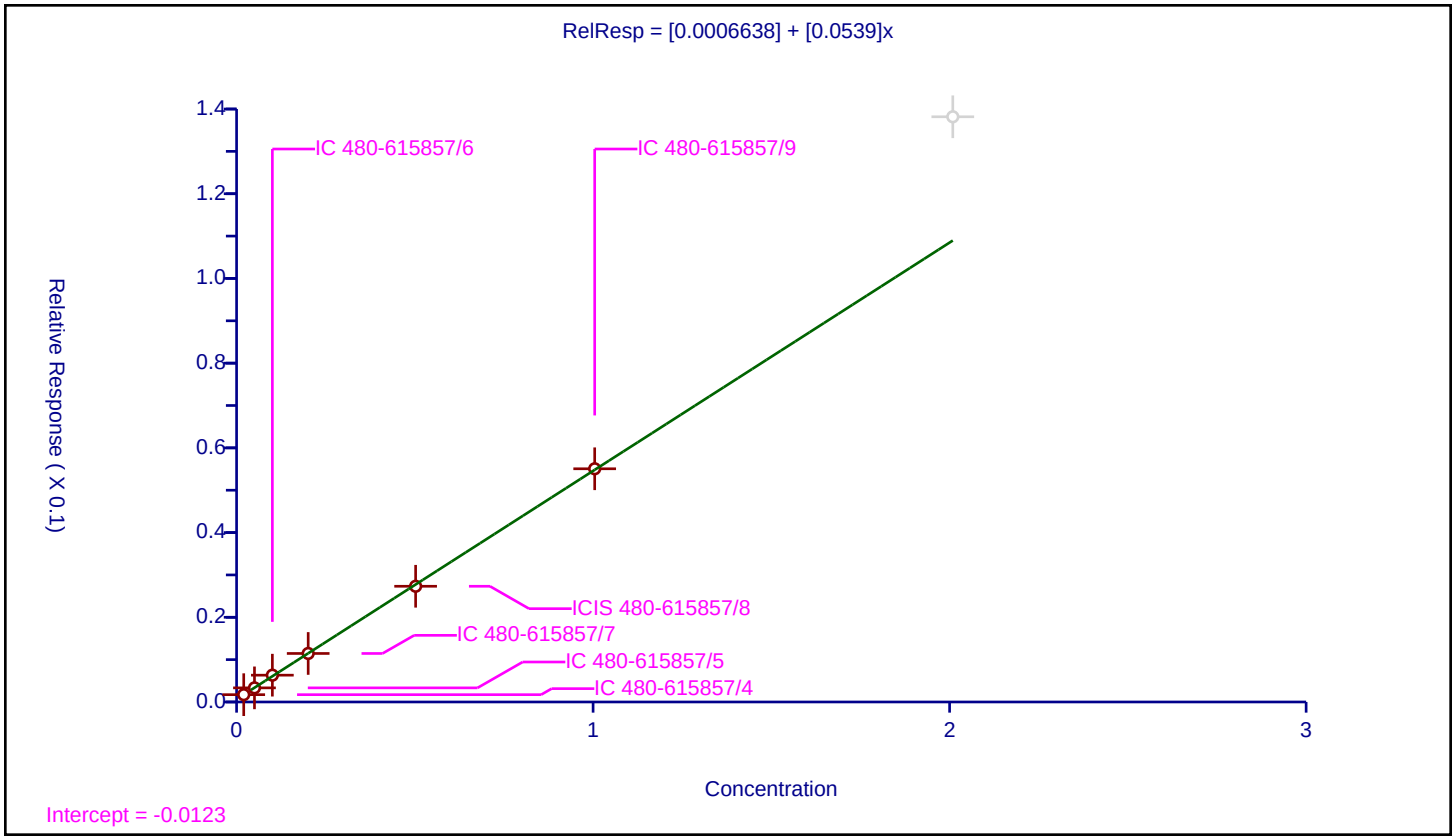
Curve Coefficients

Intercept:	0.0006638
Slope:	0.0539

Error Coefficients

Standard Error:	371000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001727	0.5	5908705.0	0.085944	Y
2	IC 480-615857/5	0.050225	0.003333	0.5	6180868.0	0.066357	Y
3	IC 480-615857/6	0.10045	0.00633	0.5	6381047.0	0.063013	Y
4	IC 480-615857/7	0.2009	0.011456	0.5	6189043.0	0.057026	Y
5	ICIS 480-615857/8	0.50225	0.027322	0.5	6180949.0	0.054398	Y
6	IC 480-615857/9	1.0045	0.055062	0.5	5788382.0	0.054816	Y
7	IC 480-615857/10	2.009	0.13817	0.5	4760318.0	0.068775	N



Calibration / PCB-1260 Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

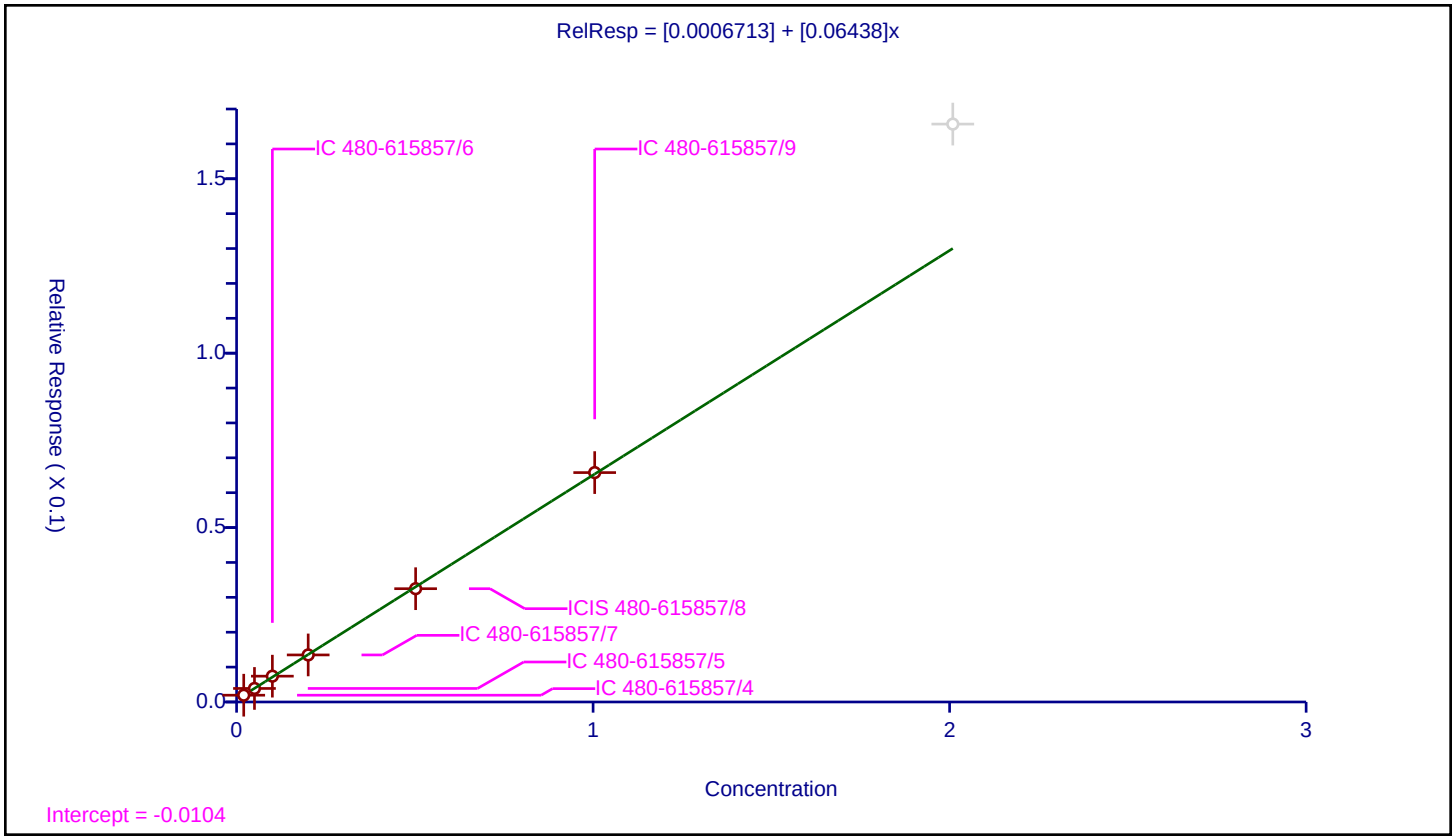
Curve Coefficients

Intercept:	0.0006713
Slope:	0.06438

Error Coefficients

Standard Error:	442000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001948	0.5	5908705.0	0.096945	Y
2	IC 480-615857/5	0.050225	0.003876	0.5	6180868.0	0.077179	Y
3	IC 480-615857/6	0.10045	0.007402	0.5	6381047.0	0.073692	Y
4	IC 480-615857/7	0.2009	0.013491	0.5	6189043.0	0.067153	Y
5	ICIS 480-615857/8	0.50225	0.032482	0.5	6180949.0	0.064672	Y
6	IC 480-615857/9	1.0045	0.06577	0.5	5788382.0	0.065475	Y
7	IC 480-615857/10	2.009	0.165684	0.5	4760318.0	0.082471	N



Calibration / PCB-1260 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

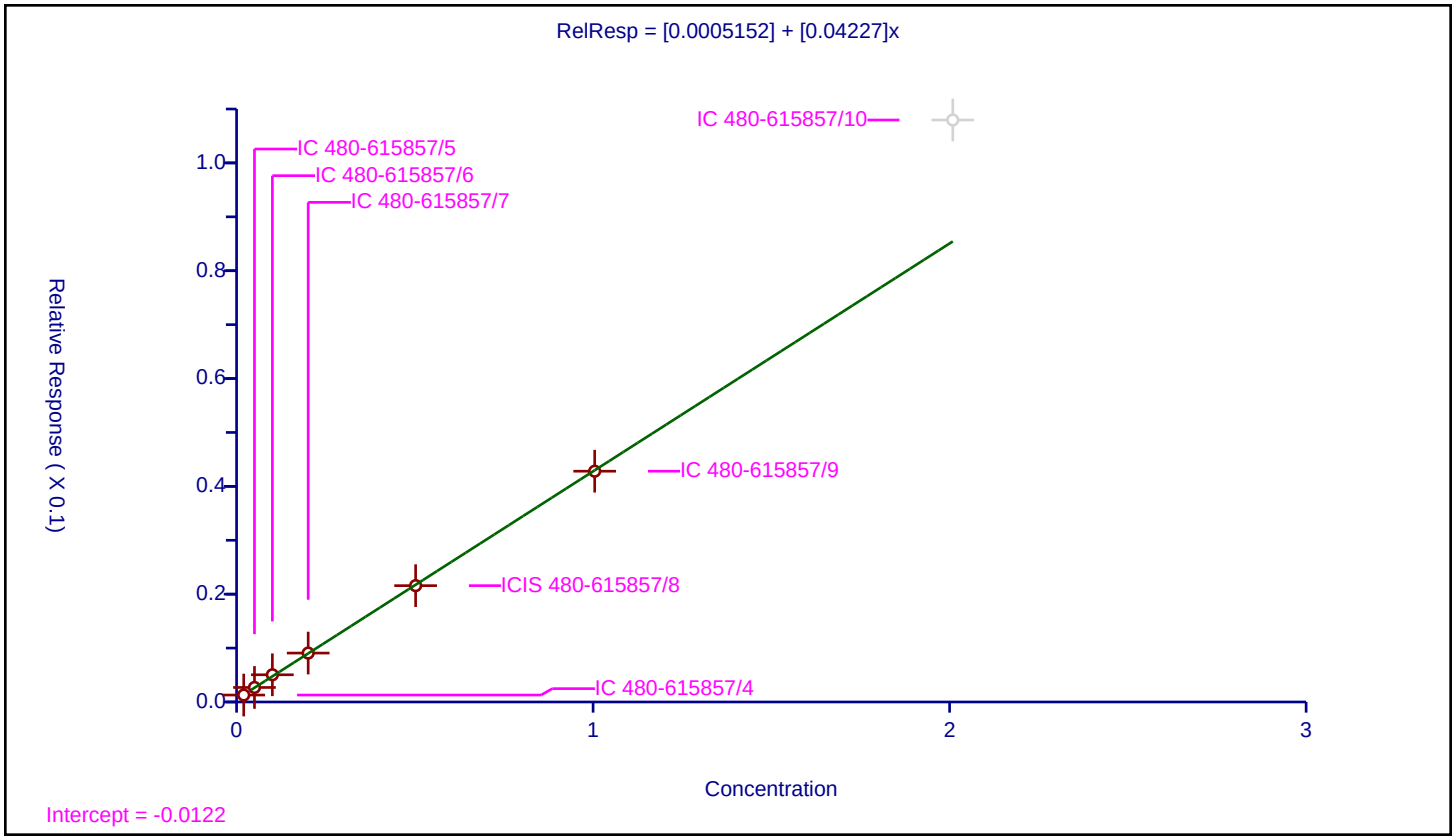
Curve Coefficients

Intercept:	0.0005152
Slope:	0.04227

Error Coefficients

Standard Error:	289000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001288	0.5	5908705.0	0.064133	Y
2	IC 480-615857/5	0.050225	0.002694	0.5	6180868.0	0.053636	Y
3	IC 480-615857/6	0.10045	0.005048	0.5	6381047.0	0.050251	Y
4	IC 480-615857/7	0.2009	0.009072	0.5	6189043.0	0.045159	Y
5	ICIS 480-615857/8	0.50225	0.021581	0.5	6180949.0	0.042969	Y
6	IC 480-615857/9	1.0045	0.042813	0.5	5788382.0	0.042621	Y
7	IC 480-615857/10	2.009	0.107964	0.5	4760318.0	0.05374	N



Calibration / PCB-1260 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

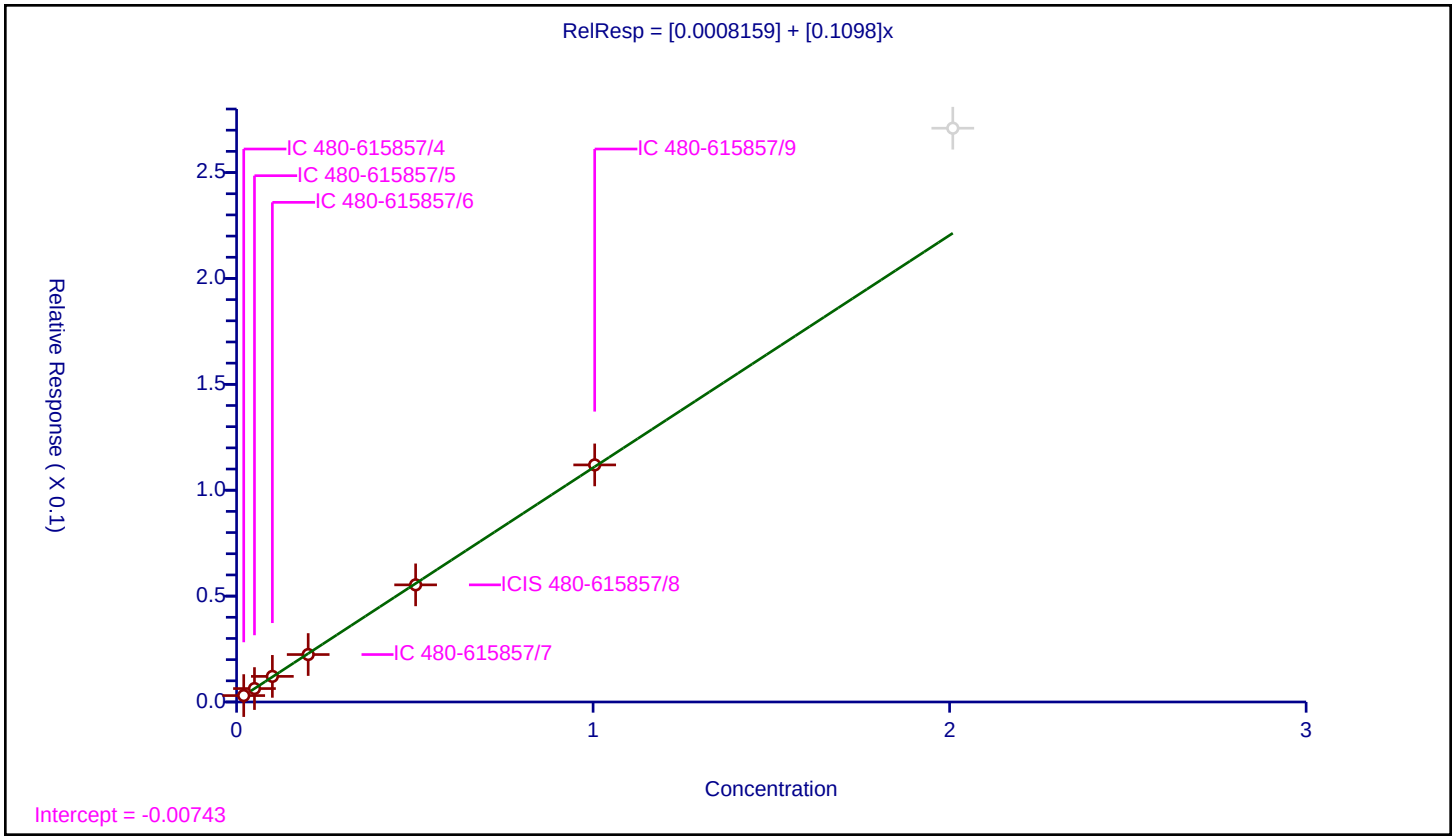
Curve Coefficients

Intercept:	0.0008159
Slope:	0.1098

Error Coefficients

Standard Error:	751000
Relative Standard Error:	1.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.003025	0.5	5908705.0	0.150557	Y
2	IC 480-615857/5	0.050225	0.006336	0.5	6180868.0	0.126151	Y
3	IC 480-615857/6	0.10045	0.012092	0.5	6381047.0	0.120379	Y
4	IC 480-615857/7	0.2009	0.022406	0.5	6189043.0	0.111528	Y
5	ICIS 480-615857/8	0.50225	0.055312	0.5	6180949.0	0.110128	Y
6	IC 480-615857/9	1.0045	0.111946	0.5	5788382.0	0.111444	Y
7	IC 480-615857/10	2.009	0.27094	0.5	4760318.0	0.134863	N



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

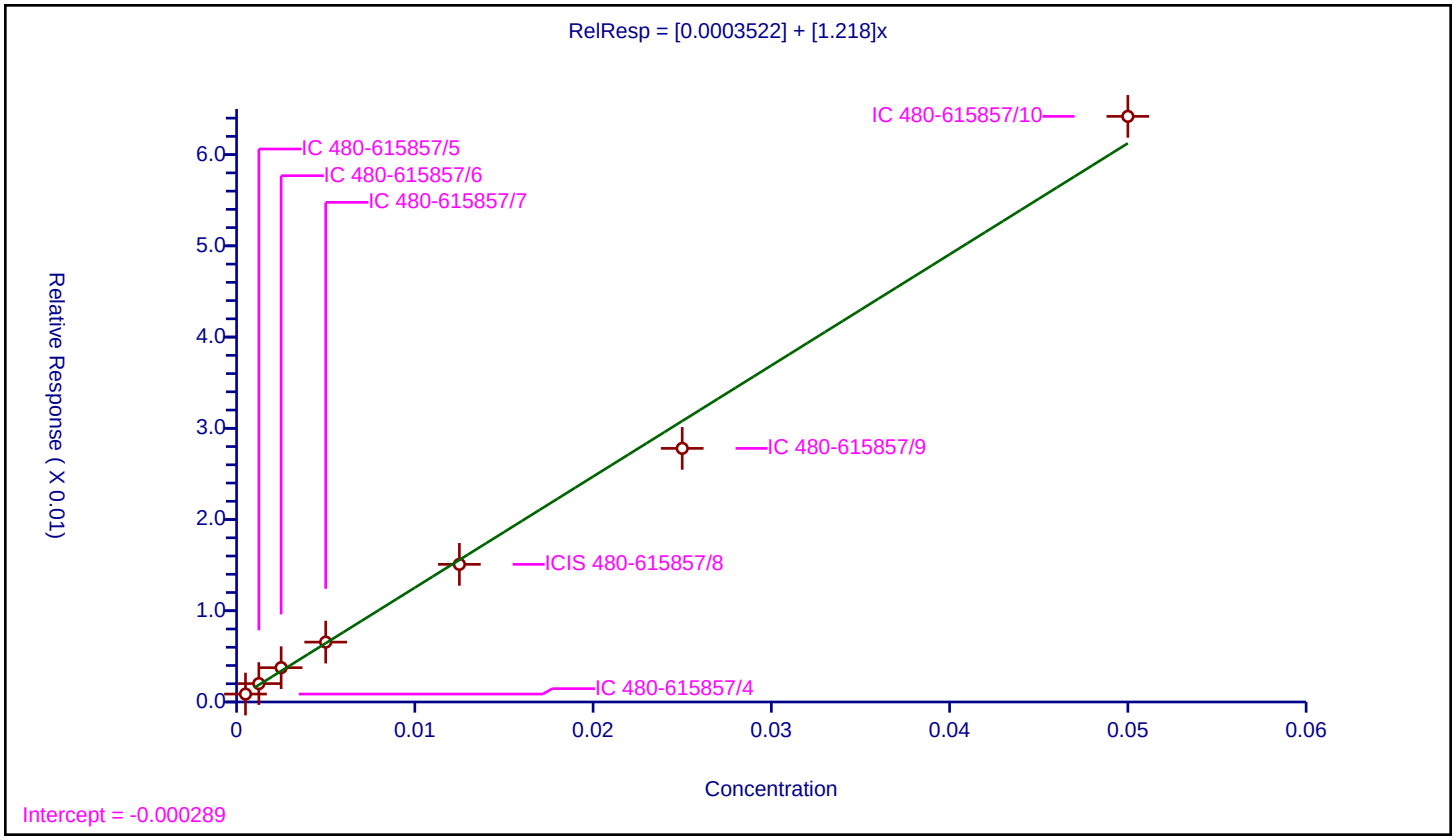
Curve Coefficients

Intercept:	0.0003522
Slope:	1.218

Error Coefficients

Standard Error:	323000
Relative Standard Error:	10.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.0005	0.000869	0.5	5908705.0	1.738283	Y
2	IC 480-615857/5	0.00125	0.002017	0.5	6180868.0	1.613301	Y
3	IC 480-615857/6	0.0025	0.003762	0.5	6381047.0	1.504737	Y
4	IC 480-615857/7	0.005	0.006563	0.5	6189043.0	1.312626	Y
5	ICIS 480-615857/8	0.0125	0.015089	0.5	6180949.0	1.207109	Y
6	IC 480-615857/9	0.025	0.0278	0.5	5788382.0	1.111983	Y
7	IC 480-615857/10	0.05	0.064194	0.5	4760318.0	1.283872	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43137

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/4	6_104-004.D
Level 2	IC 480-615857/5	6_104-005.D
Level 3	IC 480-615857/6	6_104-006.D
Level 4	IC 480-615857/7	6_104-007.D
Level 5	ICIS 480-615857/8	6_104-008.D
Level 6	IC 480-615857/9	6_104-009.D
Level 7	IC 480-615857/10	6_104-010.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	0.0269 0.0186	0.0233 0.0191	0.0222	0.0207	0.0196	Lin2	0.0002	0.0195				4.2			0.9980		0.9900
PCB-1016 Peak 2	0.0609 0.0426	0.0527 0.0503	0.0497	0.0460	0.0442	Lin2	0.0003	0.0455				6.1			0.9960		0.9900
PCB-1016 Peak 3	0.0604 0.0535	0.0536 0.0522	0.0542	0.0526	0.0540	Ave		0.0544				5.0		20.0			
PCB-1016 Peak 4	0.0451 0.0340	0.0391 0.0408	0.0379	0.0356	0.0347	Lin2	0.0002	0.0359				7.0			0.9950		0.9900
PCB-1016 Peak 5	0.0374 0.0307	0.0350 0.0378	0.0350	0.0320	0.0310	Lin2	0.0001	0.0330				8.1			0.9930		0.9900
PCB-1260 Peak 1	0.0624 0.0469	0.0537 +++++	0.0516	0.0447	0.0476	Lin1	0.0003	0.0464				4.3			0.9990		0.9900
PCB-1260 Peak 2	0.0780 0.0577	0.0649 +++++	0.0622	0.0544	0.0584	Lin1	0.0004	0.0570				4.5			0.9990		0.9900
PCB-1260 Peak 3	0.0684 0.0544	0.0606 +++++	0.0585	0.0531	0.0554	Lin1	0.0003	0.0542				2.8			1.0000		0.9900
PCB-1260 Peak 4	0.0648 0.0500	0.0572 +++++	0.0543	0.0504	0.0509	Lin2	0.0003	0.0501				2.1			1.0000		0.9900
PCB-1260 Peak 5	0.1460 0.1213	0.1264 +++++	0.1227	0.1169	0.1212	Lin1	0.0004	0.1200				3.5			1.0000		0.9900
Tetrachloro-m-xylene	1.5349 1.2972	1.3844 1.2016	1.3480	1.2802	1.2901	Lin2	0.0001	1.2627				2.8			0.9990		0.9900
DCB Decachlorobiphenyl	1.6978 1.0211	1.4123 1.2077	1.3363	1.1987	1.1204	Lin1	0.0003	1.1348				7.0			0.9940		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43137

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/4	6_104-004.D
Level 2	IC 480-615857/5	6_104-005.D
Level 3	IC 480-615857/6	6_104-006.D
Level 4	IC 480-615857/7	6_104-007.D
Level 5	ICIS 480-615857/8	6_104-008.D
Level 6	IC 480-615857/9	6_104-009.D
Level 7	IC 480-615857/10	6_104-010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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	Lin2	6898 229696	15386 366570	30162	54771	129206	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 2	BNB	Lin2	15628 526299	34856 964797	67689	121627	291199	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 3	BNB	Ave	15503 660572	35479 1002461	73772	139301	356191	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 4	BNB	Lin2	11573 419408	25845 782647	51582	94334	228903	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1016 Peak 5	BNB	Lin2	9608 379406	23148 724762	47590	84687	204299	0.0201 1.00	0.0501 2.01	0.100	0.201	0.501
PCB-1260 Peak 1	BNB	Lin1	16043 579777	35556 +++++	70336	118452	314213	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 2	BNB	Lin1	20056 713999	42993 +++++	84861	144259	385939	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 3	BNB	Lin1	17608 673074	40128 +++++	79690	140875	366156	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 4	BNB	Lin2	16680 617833	37885 +++++	73969	133553	336058	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
PCB-1260 Peak 5	BNB	Lin1	37569 1499897	83743 +++++	167336	309865	800772	0.0201 1.00	0.0502 +++++	0.100	0.201	0.502
Tetrachloro-m-xylene	BNB	Lin2	9827 399244	22824 575127	45735	84461	212079	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	10870 314255	23285 578037	45338	79085	184175	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 16:36 Calibration End Date: 02/23/2022 17:56 Calibration ID: 43137

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 16:36:31 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:20 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 15:41:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5908705	0.5000	0.5000	
2	2.267	2.267	0.000	6402568	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.022	3.022	0.000	9671	0.000500	0.000513	
2	3.086	3.086	0.000	9827	0.000500	0.000496	
						RPD = 3.21	
6 PCB-1016							M
1	3.641	3.641	0.000	8137	0.0201	0.0197	
1	4.028	4.028	0.000	16363	0.0201	0.0202	
1	4.114	4.114	0.000	12797	0.0201	0.0201	M
1	4.183	4.183	0.000	7833	0.0201	0.0193	
1	4.490	4.490	0.000	8089	0.0201	0.0193	
		Average of Peak Amounts =				0.0197	
2	3.561	3.561	0.000	6898	0.0201	0.0196	
2	3.928	3.928	0.000	15628	0.0201	0.0199	M
2	4.289	4.289	0.000	15503	0.0201	0.0223	
2	4.417	4.417	0.000	11573	0.0201	0.0202	
2	4.824	4.824	0.000	9608	0.0201	0.0200	
		Average of Peak Amounts =				0.0204	
						RPD = 3.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.548	5.548	0.000	18083	0.0201	0.0203	M
1	5.744	5.744	0.000	20404	0.0201	0.0197	M
1	6.019	6.019	0.000	23016	0.0201	0.0198	M
1	6.434	6.434	0.000	15226	0.0201	0.0183	M
1	6.718	6.718	0.000	35744	0.0201	0.0201	M
		Average of Peak Amounts =				0.0197	
2	5.873	5.873	0.000	16043	0.0201	0.0200	
2	5.982	5.982	0.000	20056	0.0201	0.0207	
2	6.423	6.423	0.000	17608	0.0201	0.0200	
2	6.899	6.899	0.000	16680	0.0201	0.0199	
2	7.102	7.102	0.000	37569	0.0201	0.0212	
		Average of Peak Amounts =				0.0204	
						RPD = 3.54	
9 1260 Res 1							M
1	7.103	7.103	0.000	19244	NR	NR	M
2	6.899	6.899	0.000	16680	NR	NR	
						RPD = NaN	
14 1260 Res 2							M
1	7.201	7.201	0.000	10726	NR	NR	M
2	7.004	7.004	0.000	12349	NR	NR	
						RPD = NaN	
12 1260 Res 3							M
1	7.275	7.275	0.000	12448	NR	NR	M
2	7.102	7.102	0.000	37569	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.289	0.000	10271	0.000500	0.000424	
2	10.253	10.253	0.000	10870	0.000500	0.000486	
						RPD = 13.62	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D

Injection Date: 23-Feb-2022 16:36:31 Instrument ID: HP6890-6 Operator ID: BufTCHROM

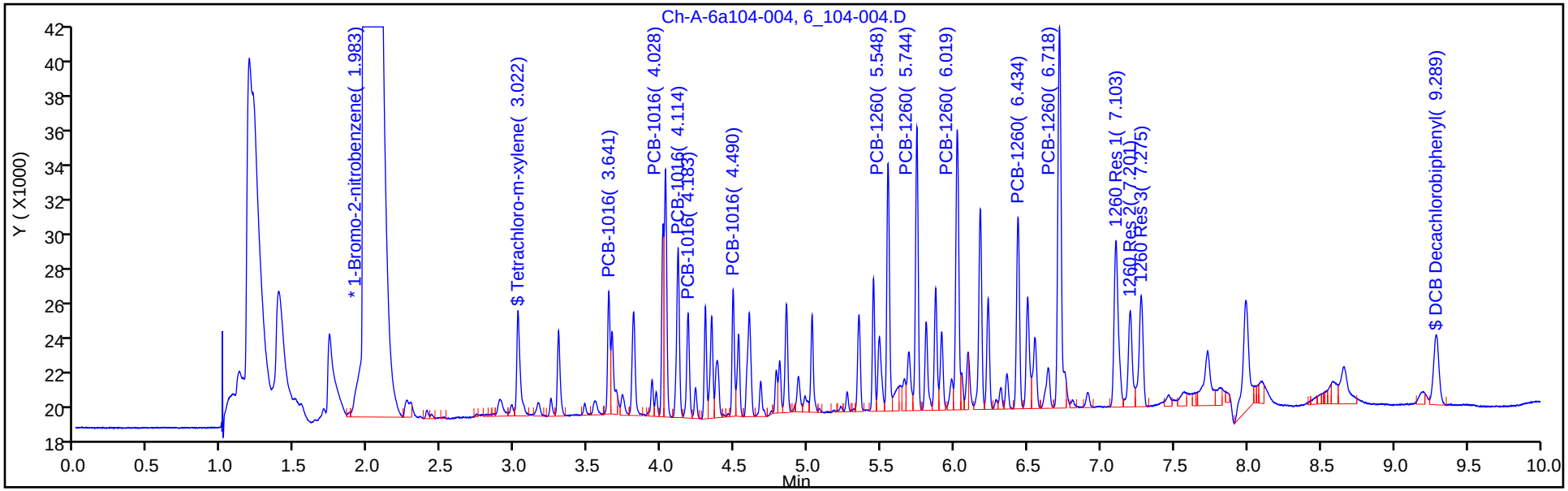
Lims ID: IC level 1 Worklist Smp#: 4

Client ID:

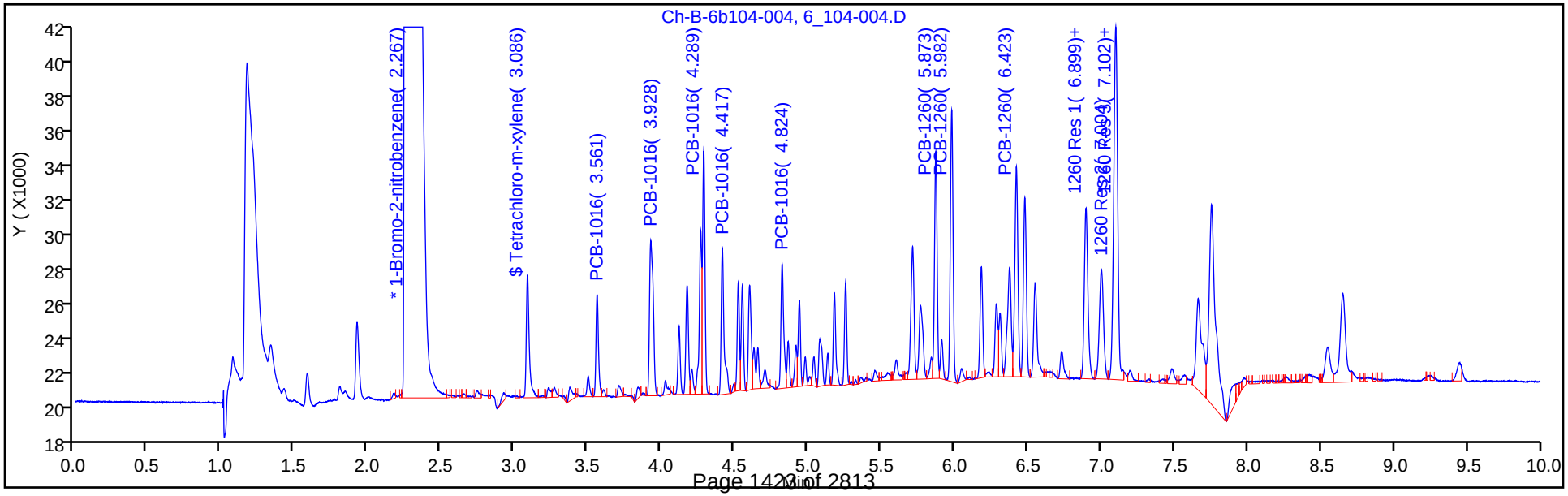
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 24-Feb-2022 16:57:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-004.D

Injection Date: 23-Feb-2022 16:36:31 Instrument ID: HP6890-6

Lims ID: IC level 1

Client ID:

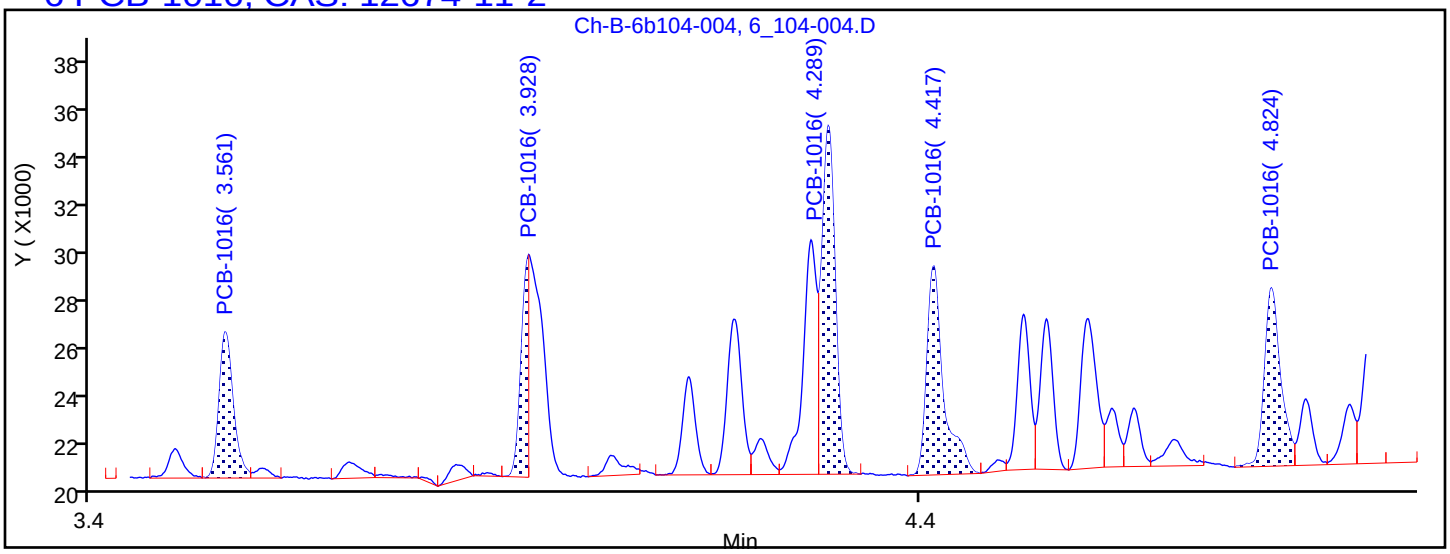
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

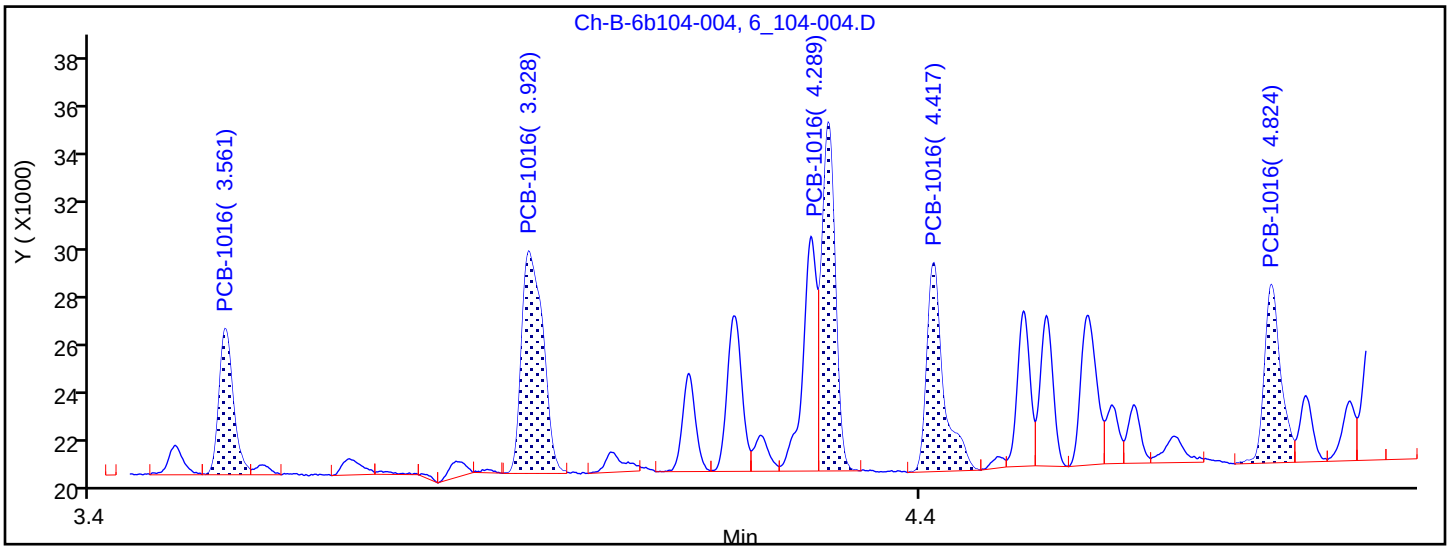
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.561	Response = 6898
3.928	Response = 5302
4.289	Response = 15503
4.417	Response = 11573
4.824	Response = 9608



Manual Integration Results

3.561	Response = 6898	
3.928	Response = 15628	M
4.289	Response = 15503	
4.417	Response = 11573	
4.824	Response = 9608	

Reviewer: clarkda, 23-Feb-2022 17:36:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-005.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 16:49:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:22 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 16:09:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6180868	0.5000	0.5000	
2	2.268	2.267	0.001	6594730	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	3.023	3.022	0.001	19099	0.001250	0.001155	
2	3.088	3.086	0.002	22824	0.001250	0.001259	M
						RPD = 8.61	
6 PCB-1016							
1	3.643	3.641	0.001	18311	0.0501	0.0513	
1	4.030	4.028	0.002	37264	0.0501	0.0497	
1	4.115	4.114	0.001	25939	0.0501	0.0499	
1	4.183	4.183	0.001	16669	0.0501	0.0521	
1	4.491	4.490	0.001	18639	0.0501	0.0533	
		Average of Peak Amounts =				0.0513	
2	3.563	3.561	0.001	15386	0.0501	0.0518	
2	3.929	3.928	0.001	34856	0.0501	0.0512	
2	4.291	4.289	0.002	35479	0.0501	0.0495	
2	4.418	4.417	0.001	25845	0.0501	0.0496	
2	4.826	4.824	0.002	23148	0.0501	0.0505	
		Average of Peak Amounts =				0.0505	
						RPD = 1.49	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.548	0.000	36011	0.0502	0.0490	
1	5.744	5.744	0.000	41199	0.0502	0.0495	
1	6.022	6.019	0.003	47918	0.0502	0.0498	
1	6.435	6.434	0.001	33301	0.0502	0.0515	
1	6.719	6.718	0.001	78323	0.0502	0.0503	
		Average of Peak Amounts =				0.0500	
2	5.875	5.873	0.002	35556	0.0502	0.0511	
2	5.983	5.982	0.001	42993	0.0502	0.0504	
2	6.426	6.423	0.003	40128	0.0502	0.0508	
2	6.901	6.899	0.002	37885	0.0502	0.0512	
2	7.104	7.102	0.002	83743	0.0502	0.0496	
		Average of Peak Amounts =				0.0506	
						RPD = 1.22	
9 1260 Res 1							
1	7.104	7.103	0.001	42482	NR	NR	
2	6.901	6.899	0.002	37885	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.200	7.201	-0.001	22770	NR	NR	
2	7.007	7.004	0.003	28886	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.278	7.275	0.003	27184	NR	NR	
2	7.104	7.102	0.002	83743	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.289	0.000	24929	0.001250	0.001367	
2	10.253	10.253	0.000	23285	0.001250	0.001294	
						RPD = 5.45	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-005.D

Injection Date: 23-Feb-2022 16:49:47 Instrument ID: HP6890-6 Operator ID: BufTCHROM

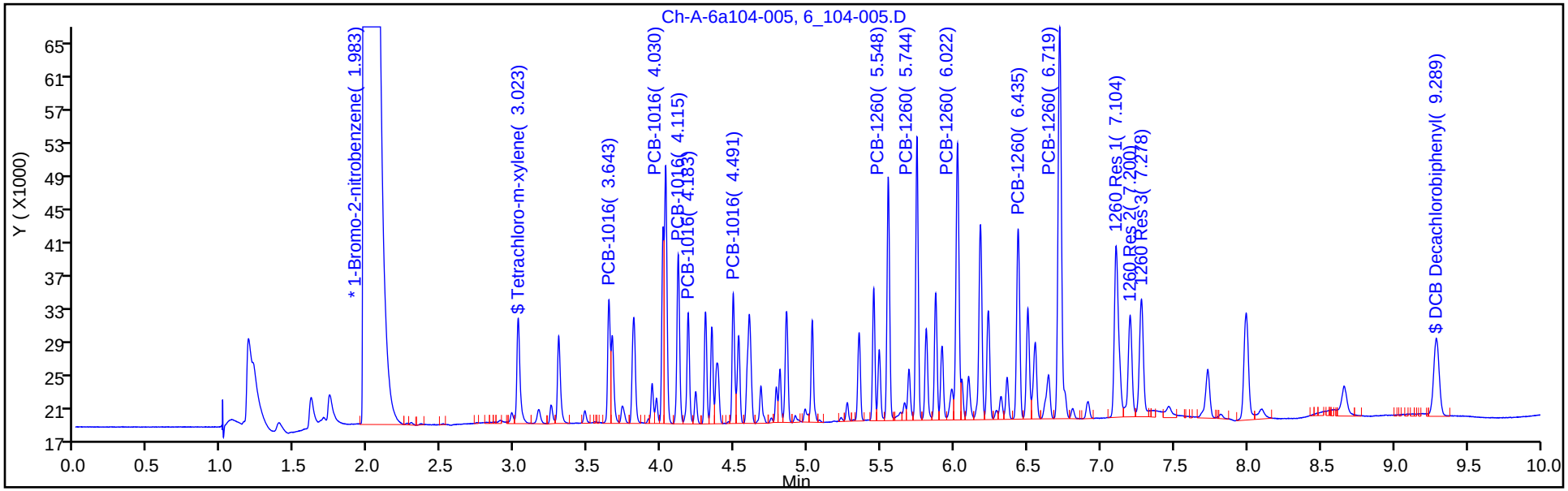
Lims ID: IC level 2 Worklist Smp#: 5

Client ID:

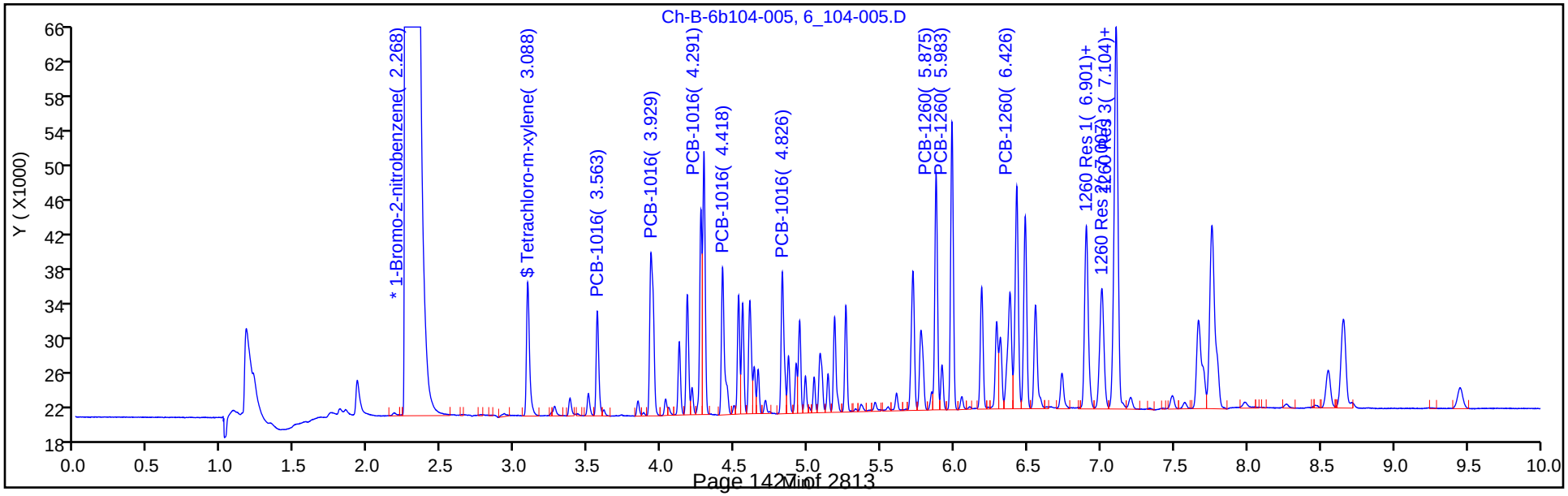
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

Eurofins Buffalo

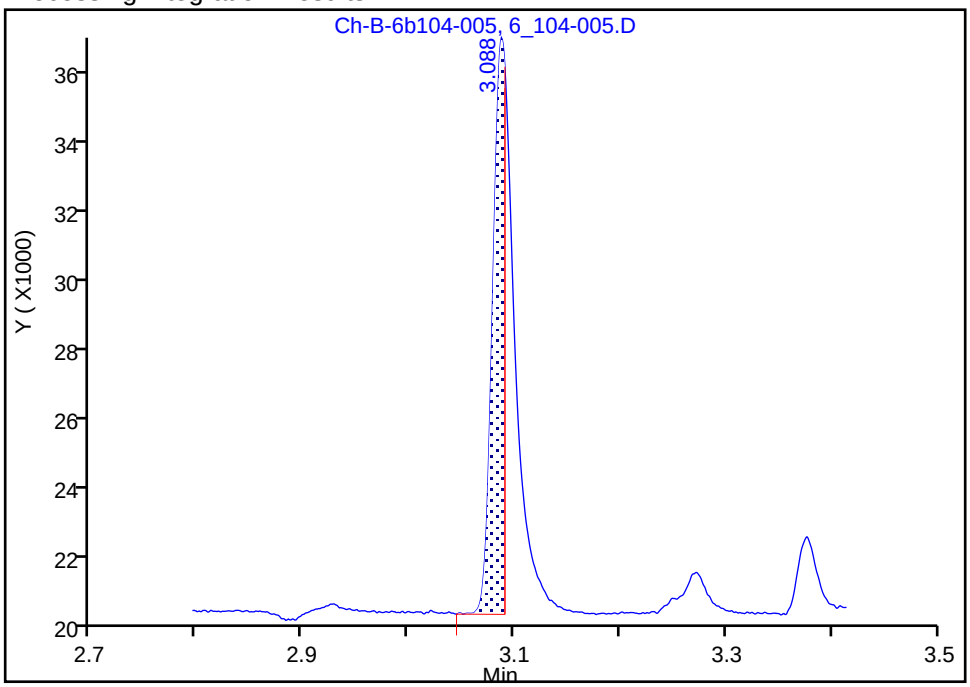
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-005.D				
Injection Date:	23-Feb-2022 16:49:47	Instrument ID:	HP6890-6		
Lims ID:	IC level 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

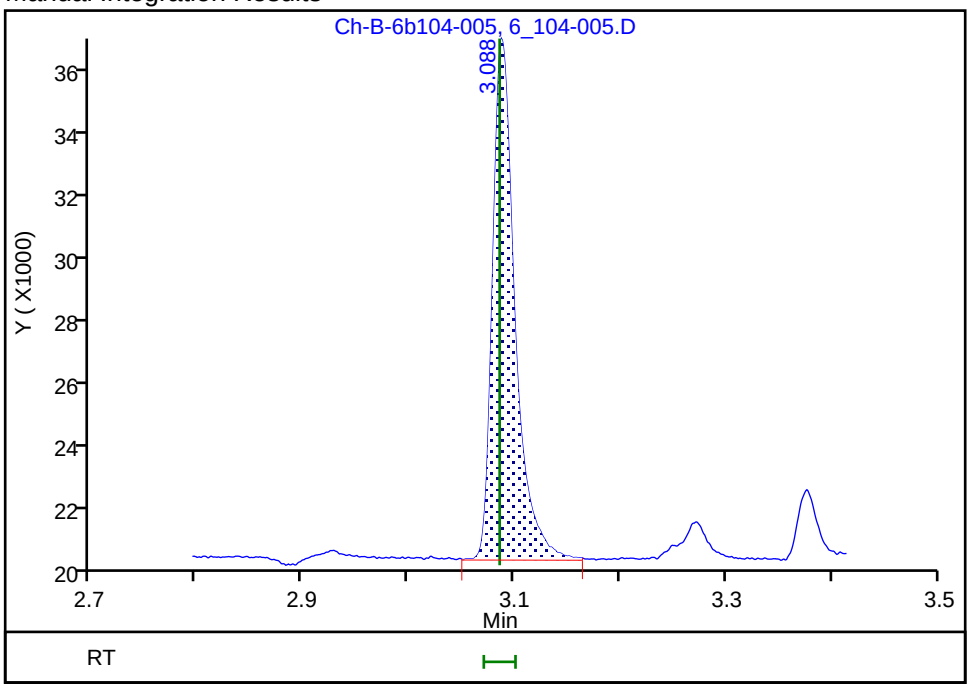
Processing Integration Results

RT: 3.09
Area: 11808
Amount: 0.000734
Amount Units: ng/uL



Manual Integration Results

RT: 3.09
Area: 22824
Amount: 0.001259
Amount Units: ng/uL



Reviewer: clarkda, 23-Feb-2022 17:38:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-006.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 17:03:11 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:24 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 17:35:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.983	0.001	6381047	0.5000	0.5000	
2	2.268	2.267	0.001	6785779	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.023	3.022	0.000	39433	0.002500	0.002521	
2	3.088	3.086	0.002	45735	0.002500	0.002558	
						RPD = 1.43	
6 PCB-1016							
1	3.642	3.641	0.001	36787	0.1003	0.1072	
1	4.028	4.028	0.000	73206	0.1003	0.0991	
1	4.115	4.114	0.001	49450	0.1003	0.1019	
1	4.183	4.183	0.000	32296	0.1003	0.1086	
1	4.491	4.490	0.001	35695	0.1003	0.1065	
		Average of Peak Amounts =				0.1047	
2	3.562	3.561	0.001	30162	0.1003	0.1060	
2	3.928	3.928	0.000	67689	0.1003	0.1027	
2	4.290	4.289	0.001	73772	0.1003	0.1000	
2	4.418	4.417	0.001	51582	0.1003	0.1009	
2	4.825	4.824	0.001	47590	0.1003	0.1036	
		Average of Peak Amounts =				0.1026	
						RPD = 1.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.549	5.548	0.001	70362	0.1005	0.1029	
1	5.746	5.744	0.002	80780	0.1005	0.1051	
1	6.022	6.019	0.003	94469	0.1005	0.1045	
1	6.435	6.434	0.001	64420	0.1005	0.1072	
1	6.718	6.718	0.000	154320	0.1005	0.1027	
		Average of Peak Amounts =				0.1045	
2	5.875	5.873	0.002	70336	0.1005	0.1047	
2	5.983	5.982	0.000	84861	0.1005	0.1030	
2	6.426	6.423	0.003	79690	0.1005	0.1030	
2	6.900	6.899	0.001	73969	0.1005	0.1026	
2	7.103	7.102	0.001	167336	0.1005	0.0994	
		Average of Peak Amounts =				0.1026	
						RPD = 1.88	
9 1260 Res 1							
1	7.104	7.103	0.001	80661	NR	NR	
2	6.900	6.899	0.001	73969	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.201	7.201	0.000	41328	NR	NR	
2	7.007	7.004	0.003	55920	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.275	0.002	47767	NR	NR	
2	7.103	7.102	0.001	167336	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.292	9.289	0.003	48009	0.002500	0.002800	
2	10.257	10.253	0.005	45338	0.002500	0.002682	
						RPD = 4.28	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is0.1_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:25 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-006.D

Injection Date: 23-Feb-2022 17:03:11 Instrument ID: HP6890-6 Operator ID: BufTCHROM

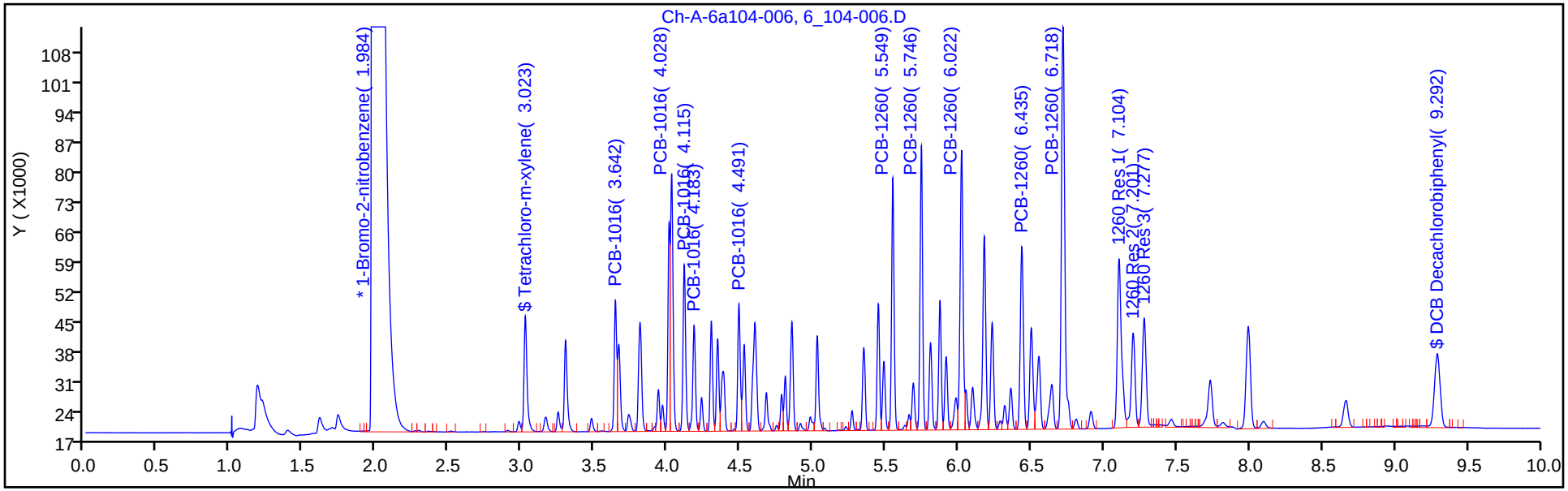
Lims ID: IC level 3 Worklist Smp#: 6

Client ID:

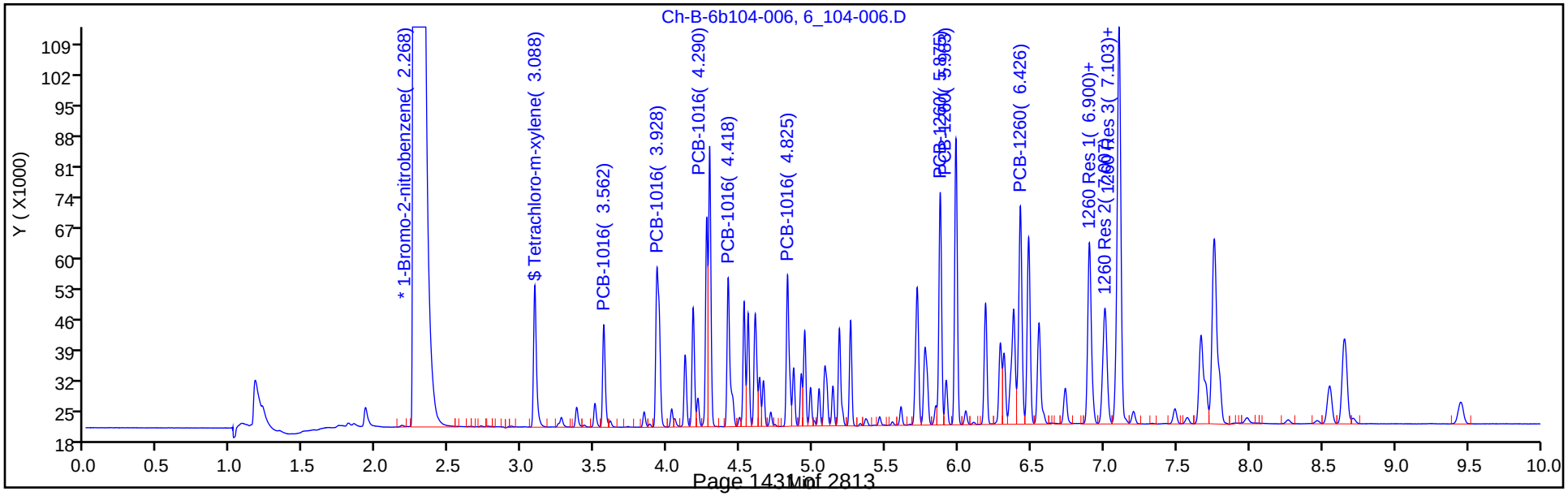
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-007.D
Lims ID: IC level 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Feb-2022 17:16:27 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:26 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 17:33:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6189043	0.5000	0.5000	
2	2.268	2.267	0.001	6597395	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.023	3.022	0.000	74172	0.005000	0.005088	
2	3.088	3.086	0.002	84461	0.005000	0.004958	
						RPD = 2.58	
6 PCB-1016							
1	3.643	3.641	0.001	64251	0.2006	0.1994	
1	4.029	4.028	0.001	138486	0.2006	0.1980	
1	4.116	4.114	0.002	87622	0.2006	0.1957	
1	4.183	4.183	0.001	57987	0.2006	0.2116	
1	4.491	4.490	0.001	63051	0.2006	0.2012	
		Average of Peak Amounts =				0.2012	
2	3.563	3.561	0.002	54771	0.2006	0.2050	
2	3.930	3.928	0.002	121627	0.2006	0.1957	
2	4.291	4.289	0.002	139301	0.2006	0.1942	
2	4.418	4.417	0.001	94334	0.2006	0.1941	
2	4.826	4.824	0.002	84687	0.2006	0.1919	
		Average of Peak Amounts =				0.1962	
						RPD = 2.52	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.548	0.000	122156	0.2009	0.1933	
1	5.745	5.744	0.001	141809	0.2009	0.2002	
1	6.021	6.019	0.002	166992	0.2009	0.1991	
1	6.435	6.434	0.001	112300	0.2009	0.2024	
1	6.719	6.718	0.001	277343	0.2009	0.1967	
		Average of Peak Amounts =				0.1983	
2	5.876	5.873	0.003	118452	0.2009	0.1865	
2	5.983	5.982	0.001	144259	0.2009	0.1851	
2	6.425	6.423	0.002	140875	0.2009	0.1918	
2	6.900	6.899	0.001	133553	0.2009	0.1958	
2	7.104	7.102	0.002	309865	0.2009	0.1924	
		Average of Peak Amounts =				0.1903	
						RPD = 4.13	
9 1260 Res 1							
1	7.103	7.103	0.000	143880	NR	NR	
2	6.900	6.899	0.001	133553	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.199	7.201	-0.002	72975	NR	NR	
2	7.008	7.004	0.004	99939	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.275	0.002	83332	NR	NR	
2	7.104	7.102	0.002	309865	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.290	9.289	0.001	81239	0.005000	0.005100	
2	10.251	10.253	-0.001	79085	0.005000	0.005020	
						RPD = 1.57	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is0.2_00022 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-007.D

Injection Date: 23-Feb-2022 17:16:27 Instrument ID: HP6890-6 Operator ID: BufTCHROM

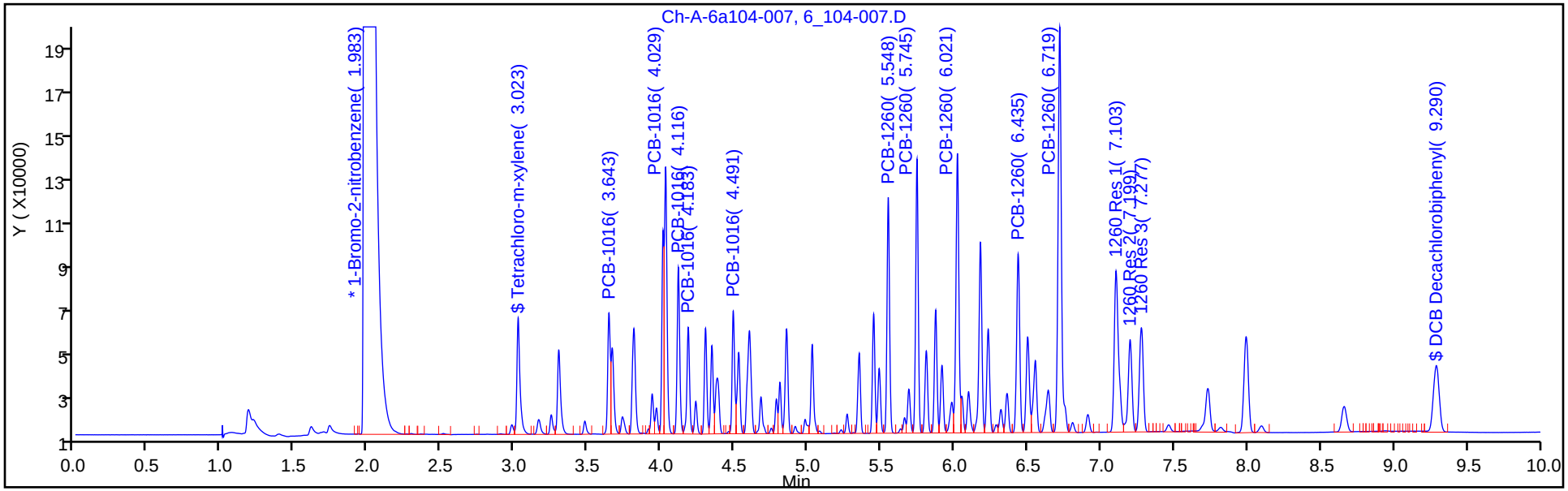
Lims ID: IC level 4 Worklist Smp#: 7

Client ID:

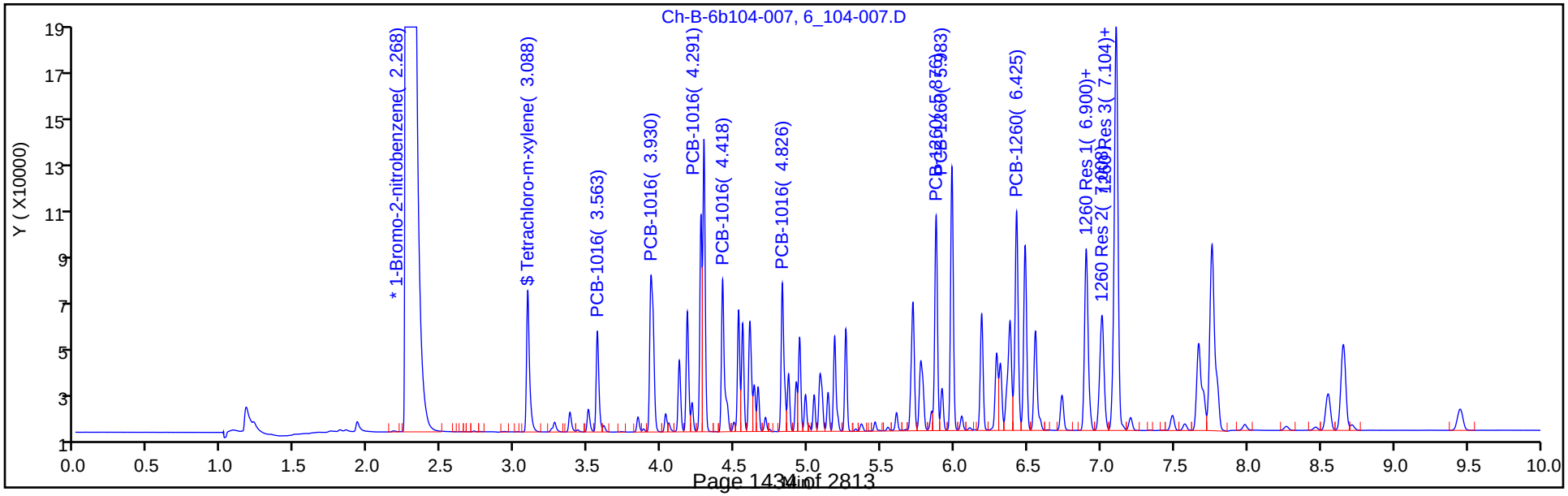
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-008.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 23-Feb-2022 17:29:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:28 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 18:45:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	6180949	0.5000	0.5000	
2	2.269	2.269	0.000	6575470	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	3.022	3.022	0.000	183746	0.0125	0.0129	
2	3.090	3.090	0.000	212079	0.0125	0.0127	M
						RPD = 2.13	
6 PCB-1016							
1	3.642	3.642	0.000	152284	0.5014	0.4839	
1	4.028	4.028	0.000	347128	0.5014	0.5043	
1	4.113	4.113	0.000	207316	0.5014	0.4794	
1	4.182	4.182	0.000	132635	0.5014	0.5005	
1	4.490	4.490	0.000	143951	0.5014	0.4715	
		Average of Peak Amounts =				0.4879	
2	3.564	3.564	0.000	129206	0.5014	0.4963	
2	3.931	3.931	0.000	291199	0.5014	0.4798	
2	4.292	4.292	0.000	356191	0.5014	0.4981	
2	4.418	4.418	0.000	228903	0.5014	0.4796	
2	4.826	4.826	0.000	204299	0.5014	0.4683	
		Average of Peak Amounts =				0.4844	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.547	5.547	0.000	285440	0.5023	0.4675	
1	5.743	5.743	0.000	337747	0.5023	0.4946	
1	6.020	6.020	0.000	401533	0.5023	0.4941	
1	6.434	6.434	0.000	266784	0.5023	0.4983	
1	6.717	6.717	0.000	683761	0.5023	0.4964	
		Average of Peak Amounts =				0.4902	
2	5.876	5.876	0.000	314213	0.5023	0.5080	
2	5.984	5.984	0.000	385939	0.5023	0.5082	
2	6.427	6.427	0.000	366156	0.5023	0.5087	
2	6.901	6.901	0.000	336058	0.5023	0.5037	
2	7.105	7.105	0.000	800772	0.5023	0.5040	
		Average of Peak Amounts =				0.5065	
						RPD = 3.28	
9 1260 Res 1							
1	7.103	7.103	0.000	344057	NR	NR	
2	6.901	6.901	0.000	336058	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	169470	NR	NR	
2	7.008	7.008	0.000	246299	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.274	7.274	0.000	198103	NR	NR	
2	7.105	7.105	0.000	800772	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.291	9.291	0.000	186527	0.0125	0.0121	
2	10.255	10.255	0.000	184175	0.0125	0.0121	
						RPD = 0.17	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-008.D

Injection Date: 23-Feb-2022 17:29:43 Instrument ID: HP6890-6 Operator ID: BufTCHROM

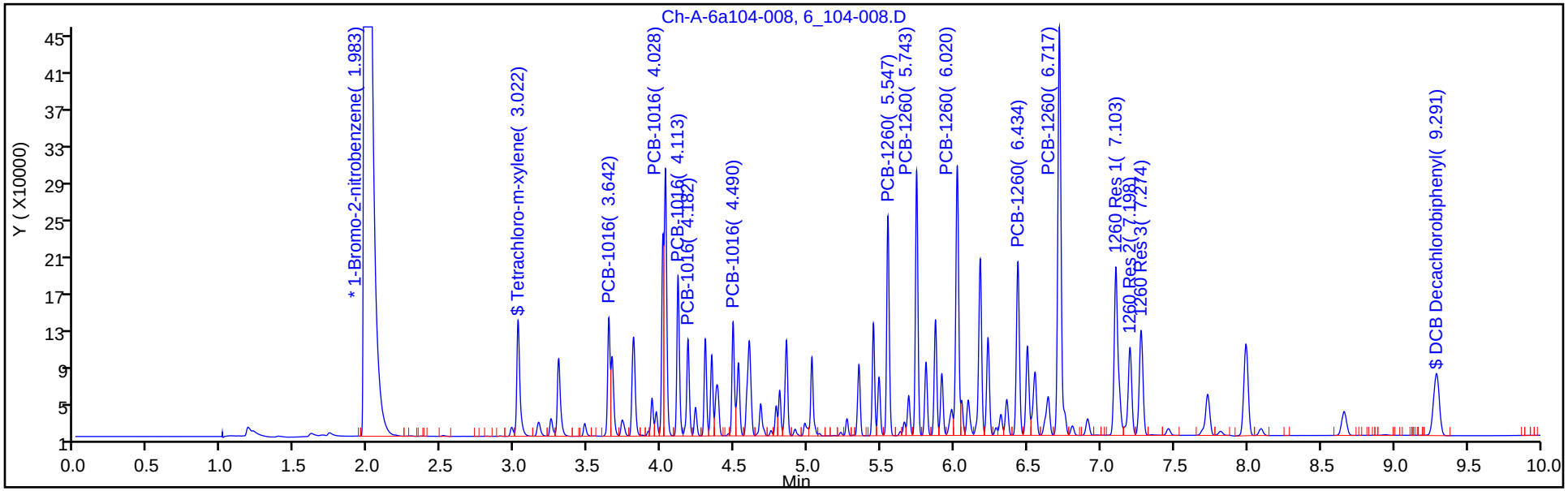
Lims ID: ICIS Worklist Smp#: 8

Client ID:

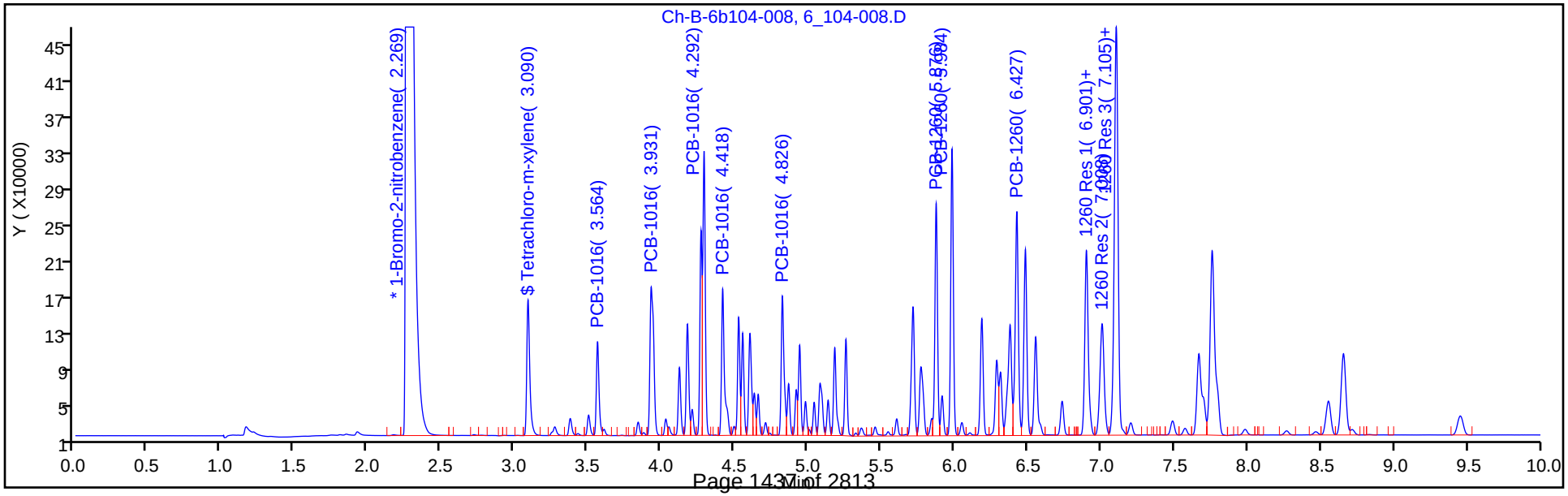
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

Eurofins Buffalo

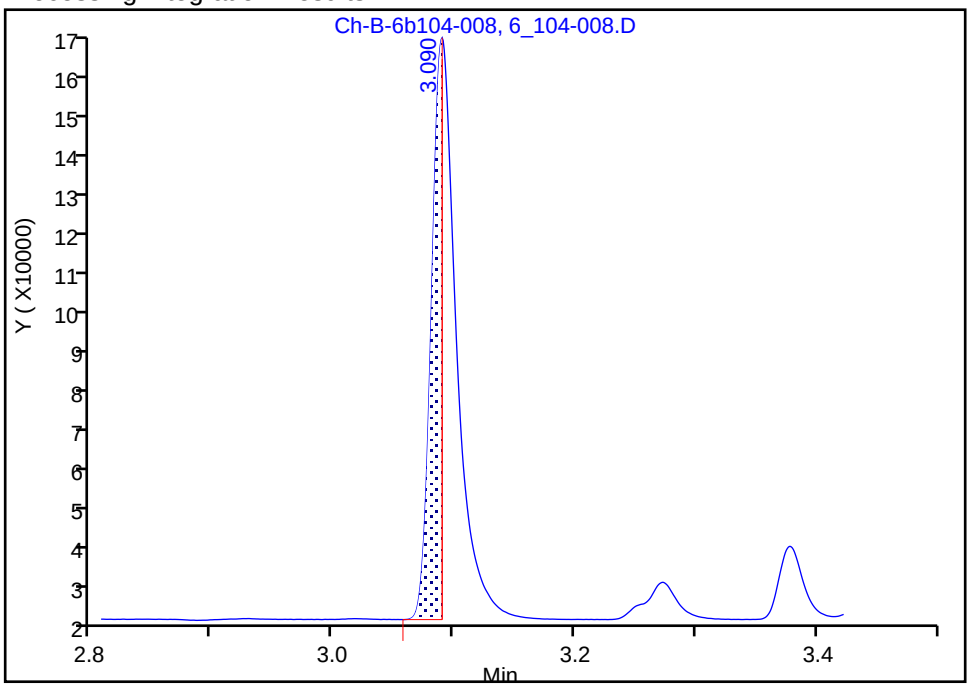
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-008.D				
Injection Date:	23-Feb-2022 17:29:43	Instrument ID:	HP6890-6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

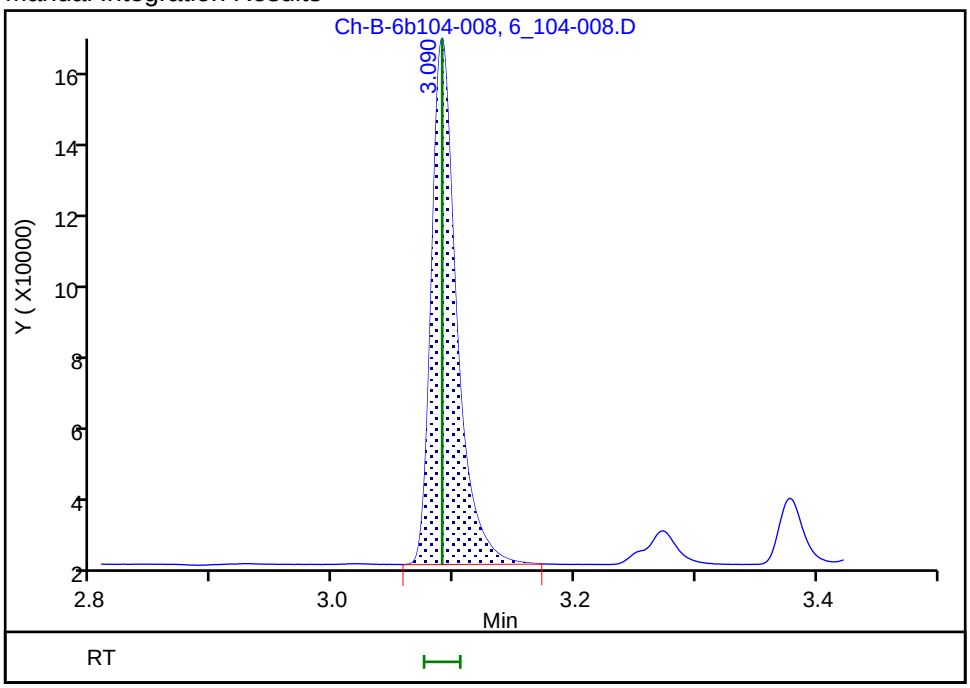
Processing Integration Results

RT: 3.09
Area: 87283
Amount: 0.005417
Amount Units: ng/uL



Manual Integration Results

RT: 3.09
Area: 212079
Amount: 0.012661
Amount Units: ng/uL



Reviewer: clarkda, 23-Feb-2022 18:45:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-009.D
Lims ID: IC level 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Feb-2022 17:42:58 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:31 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.982	1.983	-0.001	5788382	0.5000	0.5000	
2	2.269	2.269	0.000	6155447	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.021	3.022	-0.001	343626	0.0250	0.0260	
2	3.090	3.090	0.000	399244	0.0250	0.0256	
						RPD = 1.80	
6 PCB-1016							
1	3.641	3.642	-0.001	268527	1.00	0.9180	
1	4.027	4.028	-0.001	628277	1.00	0.9792	
1	4.113	4.113	0.000	379955	1.00	0.9494	
1	4.181	4.182	-0.001	240099	1.00	0.9789	
1	4.489	4.490	-0.001	260078	1.00	0.9179	
		Average of Peak Amounts =				0.9487	
2	3.565	3.564	0.001	229696	1.00	0.9498	
2	3.932	3.931	0.001	526299	1.00	0.9328	
2	4.292	4.292	0.000	660572	1.00	0.9869	
2	4.419	4.418	0.001	419408	1.00	0.9433	
2	4.827	4.826	0.001	379406	1.00	0.9316	
		Average of Peak Amounts =				0.9489	
						RPD = 0.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.546	5.547	-0.001	536253	1.00	0.9494	
1	5.742	5.743	0.000	637445	1.00	1.01	
1	6.019	6.020	-0.001	761402	1.00	1.01	
1	6.433	6.434	-0.001	495637	1.00	1.00	
1	6.718	6.717	0.001	1295967	1.00	1.01	
		Average of Peak Amounts =				1.00	
2	5.876	5.876	0.000	579777	1.00	1.01	
2	5.985	5.984	0.001	713999	1.00	1.01	
2	6.428	6.427	0.001	673074	1.00	1.00	
2	6.903	6.901	0.001	617833	1.00	1.00	
2	7.106	7.105	0.001	1499897	1.00	1.01	
		Average of Peak Amounts =				1.01	
						RPD = 0.95	
9 1260 Res 1							
1	7.103	7.103	0.001	637508	NR	NR	
2	6.903	6.901	0.001	617833	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	301661	NR	NR	
2	7.009	7.008	0.001	447591	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.274	7.274	0.000	359215	NR	NR	
2	7.106	7.105	0.001	1499897	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.289	9.291	-0.002	321829	0.0250	0.0225	
2	10.256	10.255	0.001	314255	0.0250	0.0222	
						RPD = 1.36	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is1.0_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-009.D

Injection Date: 23-Feb-2022 17:42:58 Instrument ID: HP6890-6 Operator ID: BufTCHROM

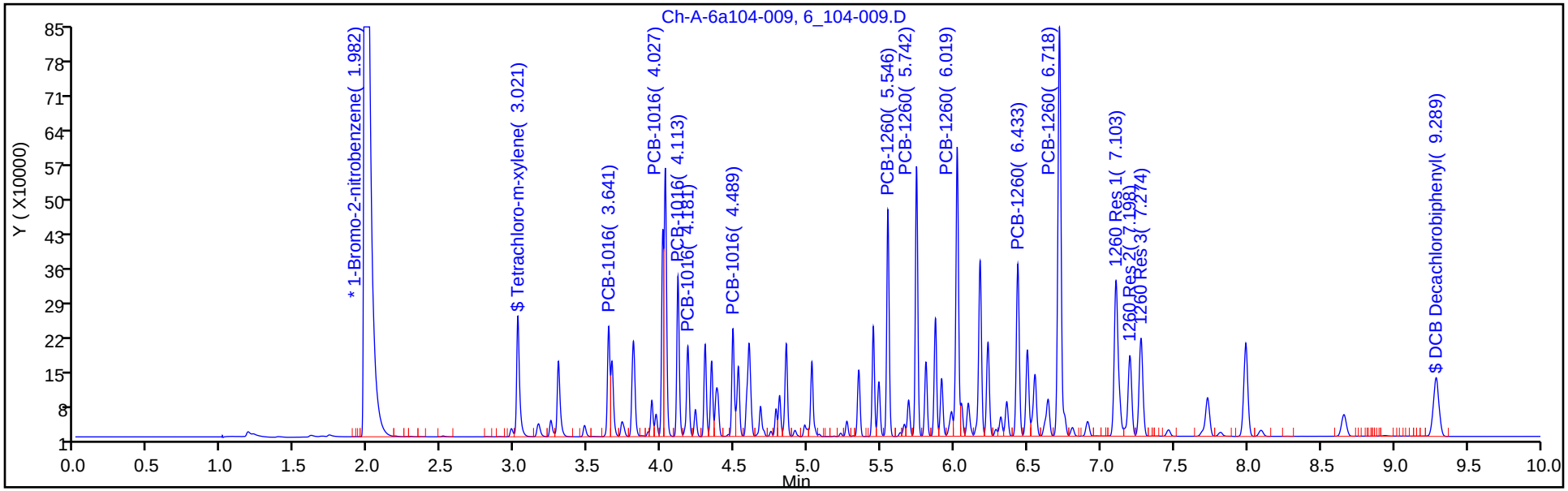
Lims ID: IC level 6 Worklist Smp#: 9

Client ID:

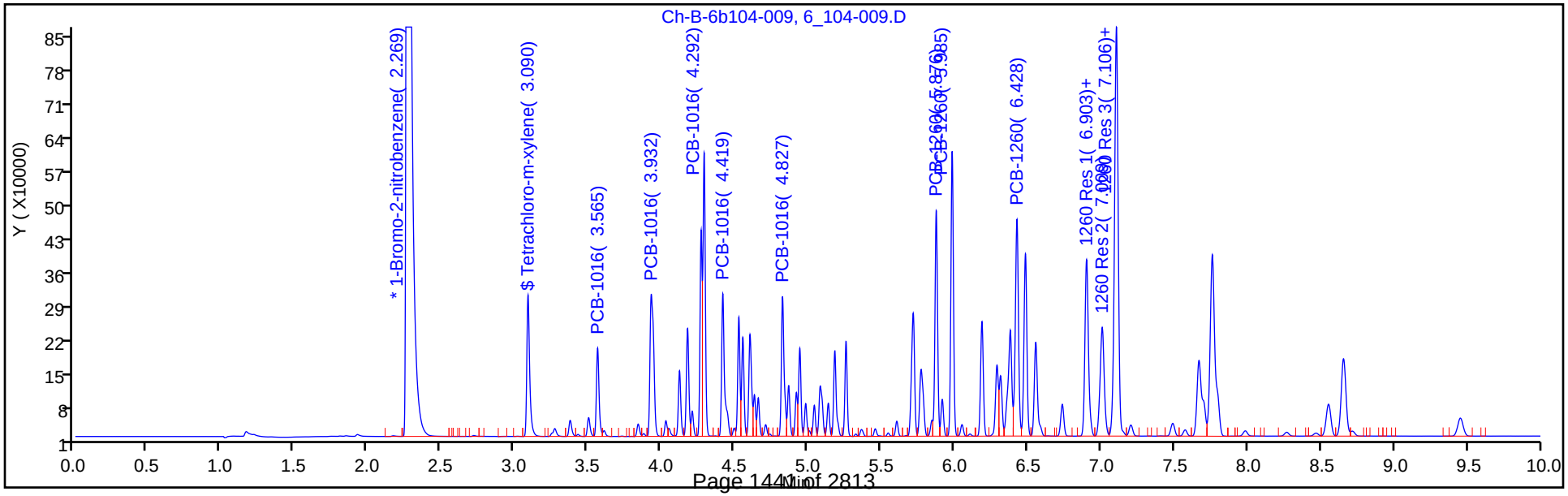
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-010.D
Lims ID: IC level 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Feb-2022 17:56:06 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:33 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 16:02:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	4760318	0.5000	0.5000	
2	2.270	2.269	0.001	4786157	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.021	3.022	-0.001	512906	0.0500	0.0474	
2	3.090	3.090	0.000	575127	0.0500	0.0475	
						RPD = 0.09	
6 PCB-1016							
1	3.642	3.642	0.000	505584	2.01	2.11	
1	4.029	4.028	0.001	1101885	2.01	2.09	
1	4.115	4.113	0.002	726377	2.01	2.22	
1	4.182	4.182	0.000	355940	2.01	1.77	
1	4.490	4.490	0.000	489284	2.01	2.11	
		Average of Peak Amounts =				2.06	
2	3.563	3.564	-0.001	366570	2.01	1.96	
2	3.931	3.931	0.000	964797	2.01	2.21	
2	4.293	4.292	0.001	1002461	2.01	1.93	
2	4.419	4.418	0.001	782647	2.01	2.27	
2	4.828	4.826	0.002	724762	2.01	2.29	
		Average of Peak Amounts =				2.13	
						RPD = 3.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.548	5.547	0.001	1066122	2.01	2.31	
1	5.743	5.743	0.001	1315464	2.01	2.55	
1	6.021	6.020	0.001	1577416	2.01	2.56	
1	6.434	6.434	0.000	1027889	2.01	2.54	
1	6.718	6.717	0.001	2579517	2.01	2.46	
		Average of Peak Amounts =				2.49	
2	5.877	5.876	0.001	1172520	2.01	2.63	
2	5.986	5.984	0.002	1471325	2.01	2.69	
2	6.428	6.427	0.001	1416504	2.01	2.73	
2	6.903	6.901	0.002	1298118	2.01	2.70	
2	7.107	7.105	0.002	2999009	2.01	2.61	
		Average of Peak Amounts =				2.67	
						RPD = 7.21	
9 1260 Res 1							
1	7.103	7.103	0.000	1306285	NR	NR	
2	6.903	6.901	0.002	1298118	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.198	7.198	0.000	565265	NR	NR	
2	7.009	7.008	0.001	902862	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.277	7.274	0.003	682128	NR	NR	
2	7.107	7.105	0.002	2999009	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.290	9.291	-0.001	611164	0.0500	0.0524	
2	10.255	10.255	0.000	578037	0.0500	0.0530	
						RPD = 1.01	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

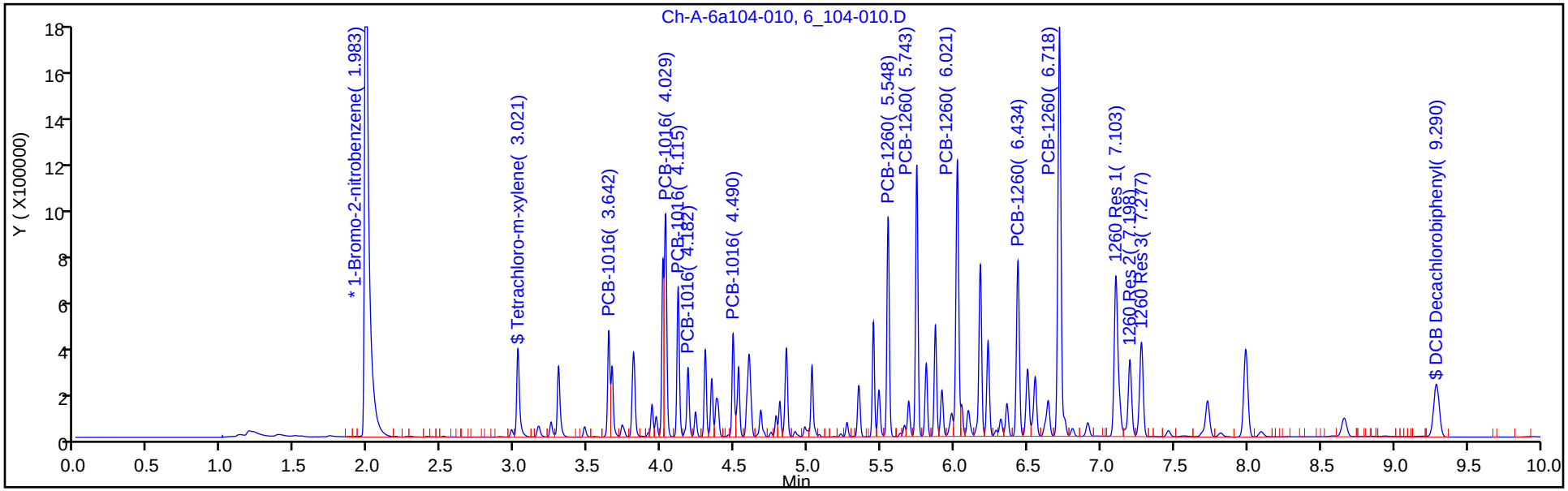
1660sur/is2.0_00026 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:34 Chrom Revision: 2.3 16-Feb-2022 17:52:00

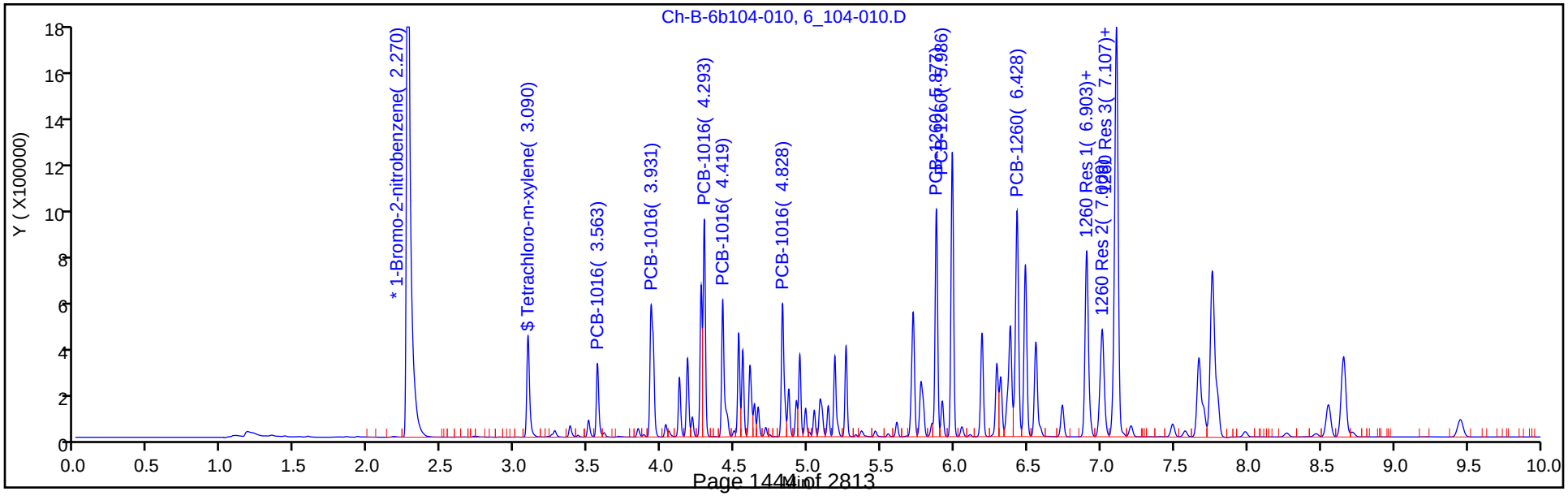
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-010.D				
Injection Date:	23-Feb-2022 17:56:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 7			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

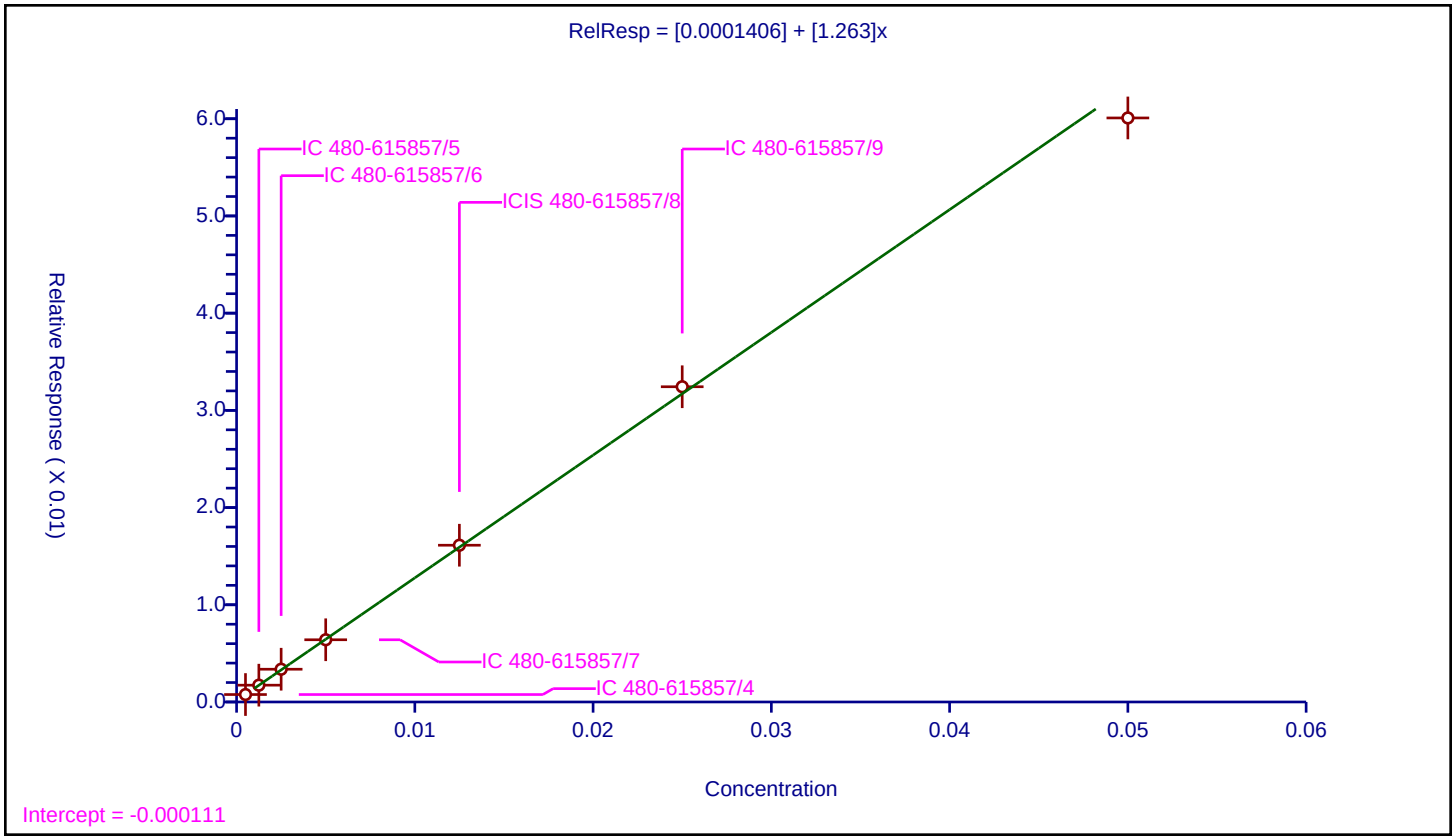
Curve Coefficients

Intercept:	0.0001406
Slope:	1.263

Error Coefficients

Standard Error:	330000
Relative Standard Error:	2.8
Correlation Coefficient:	0.965
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.0005	0.000767	0.5	6402568.0	1.534853	Y
2	IC 480-615857/5	0.00125	0.00173	0.5	6594730.0	1.384378	Y
3	IC 480-615857/6	0.0025	0.00337	0.5	6785779.0	1.347966	Y
4	IC 480-615857/7	0.005	0.006401	0.5	6597395.0	1.280217	Y
5	ICIS 480-615857/8	0.0125	0.016127	0.5	6575470.0	1.290122	Y
6	IC 480-615857/9	0.025	0.03243	0.5	6155447.0	1.297206	Y
7	IC 480-615857/10	0.05	0.060082	0.5	4786157.0	1.201647	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

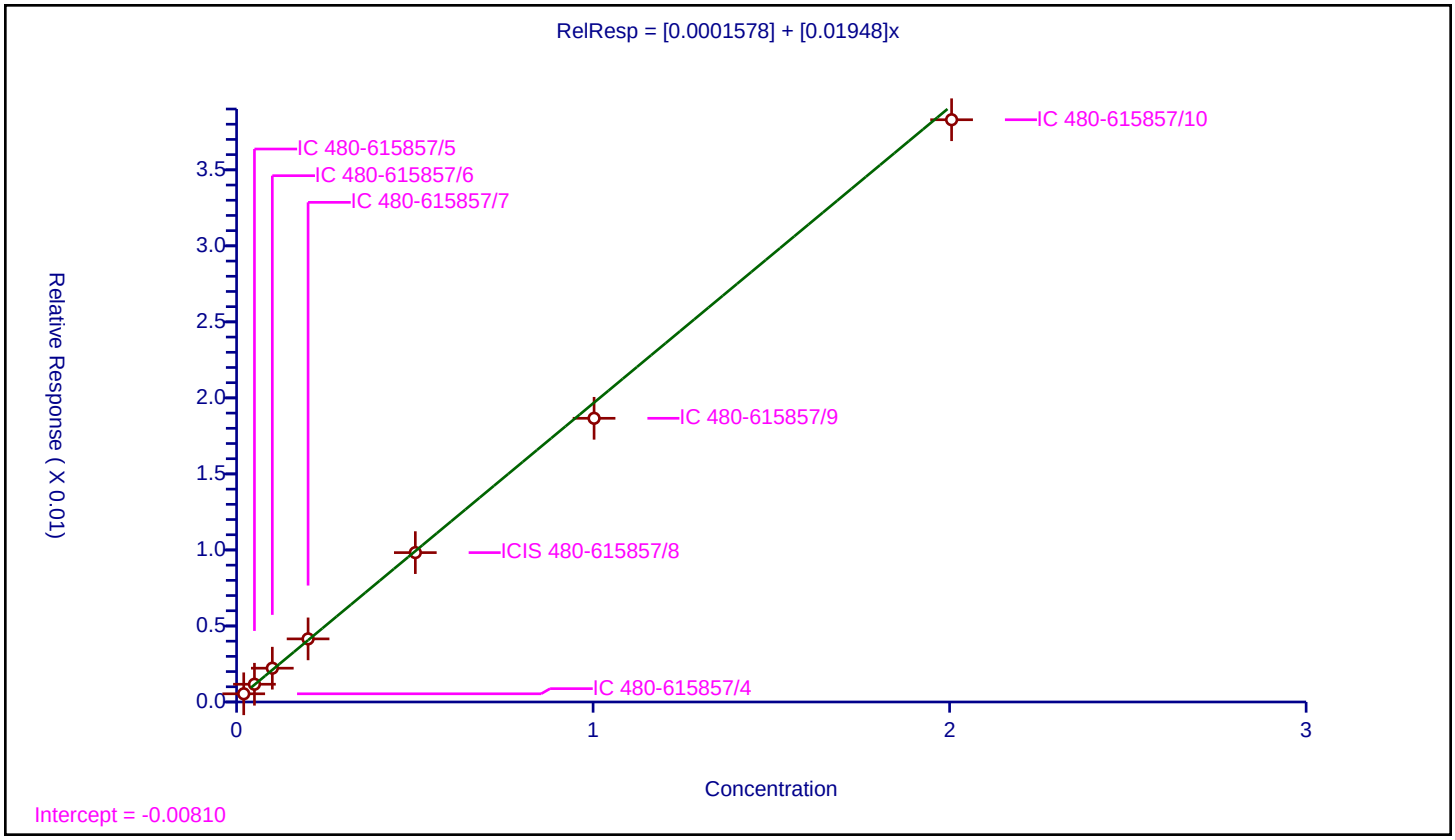
Curve Coefficients

Intercept:	0.0001578
Slope:	0.01948

Error Coefficients

Standard Error:	204000
Relative Standard Error:	4.2
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.000539	0.5	6402568.0	0.026859	Y
2	IC 480-615857/5	0.05014	0.001167	0.5	6594730.0	0.023266	Y
3	IC 480-615857/6	0.10028	0.002222	0.5	6785779.0	0.022162	Y
4	IC 480-615857/7	0.20056	0.004151	0.5	6597395.0	0.020697	Y
5	ICIS 480-615857/8	0.5014	0.009825	0.5	6575470.0	0.019595	Y
6	IC 480-615857/9	1.0028	0.018658	0.5	6155447.0	0.018606	Y
7	IC 480-615857/10	2.0056	0.038295	0.5	4786157.0	0.019094	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

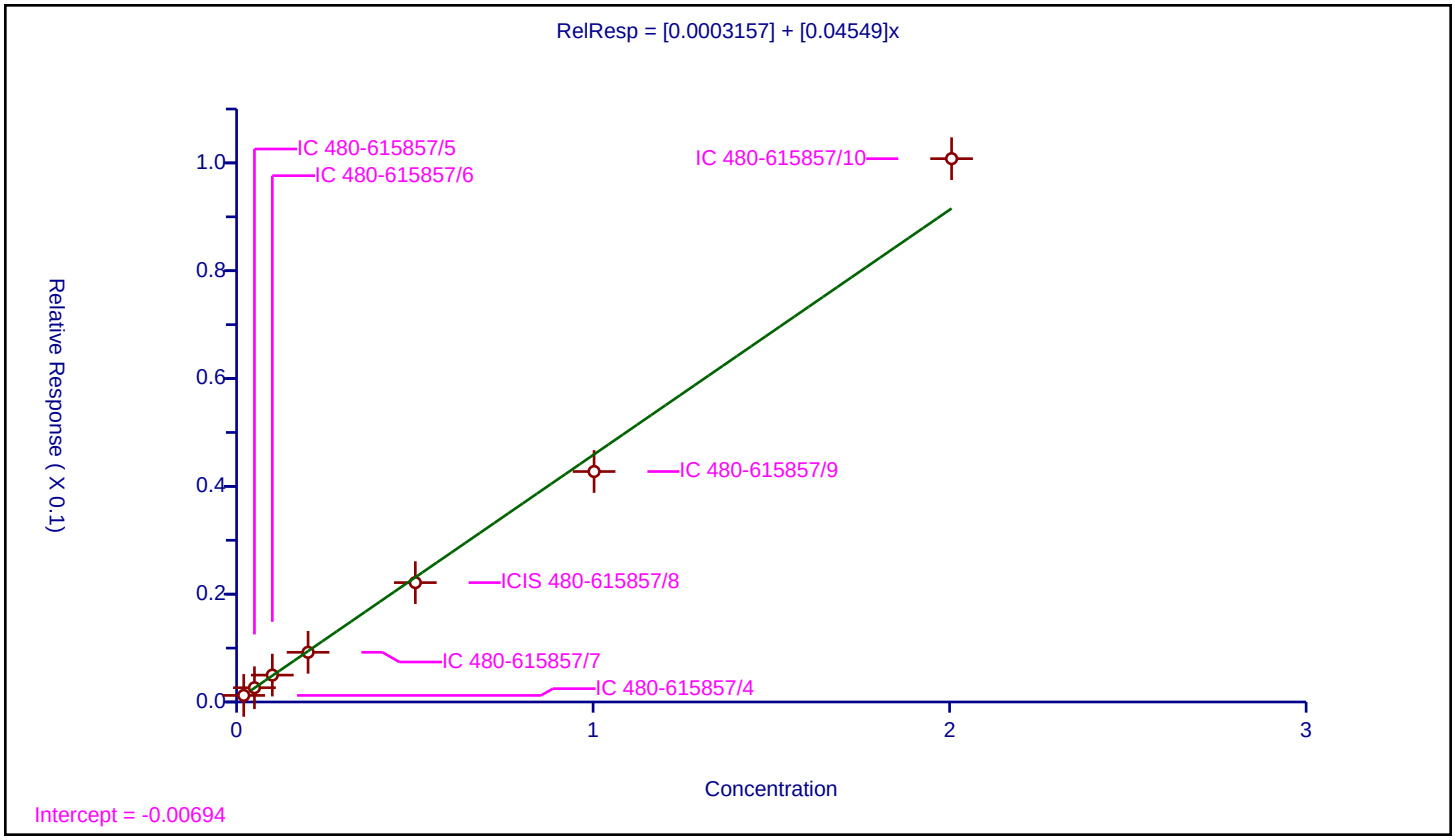
Curve Coefficients

Intercept:	0.0003157
Slope:	0.04549

Error Coefficients

Standard Error:	513000
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 480-615857/4	0.020056	0.00122	0.5	6402568.0	0.060852	Y
2	IC 480-615857/5	0.05014	0.002643	0.5	6594730.0	0.052707	Y
3	IC 480-615857/6	0.10028	0.004988	0.5	6785779.0	0.049736	Y
4	IC 480-615857/7	0.20056	0.009218	0.5	6597395.0	0.04596	Y
5	ICIS 480-615857/8	0.5014	0.022143	0.5	6575470.0	0.044162	Y
6	IC 480-615857/9	1.0028	0.042751	0.5	6155447.0	0.042631	Y
7	IC 480-615857/10	2.0056	0.10079	0.5	4786157.0	0.050254	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

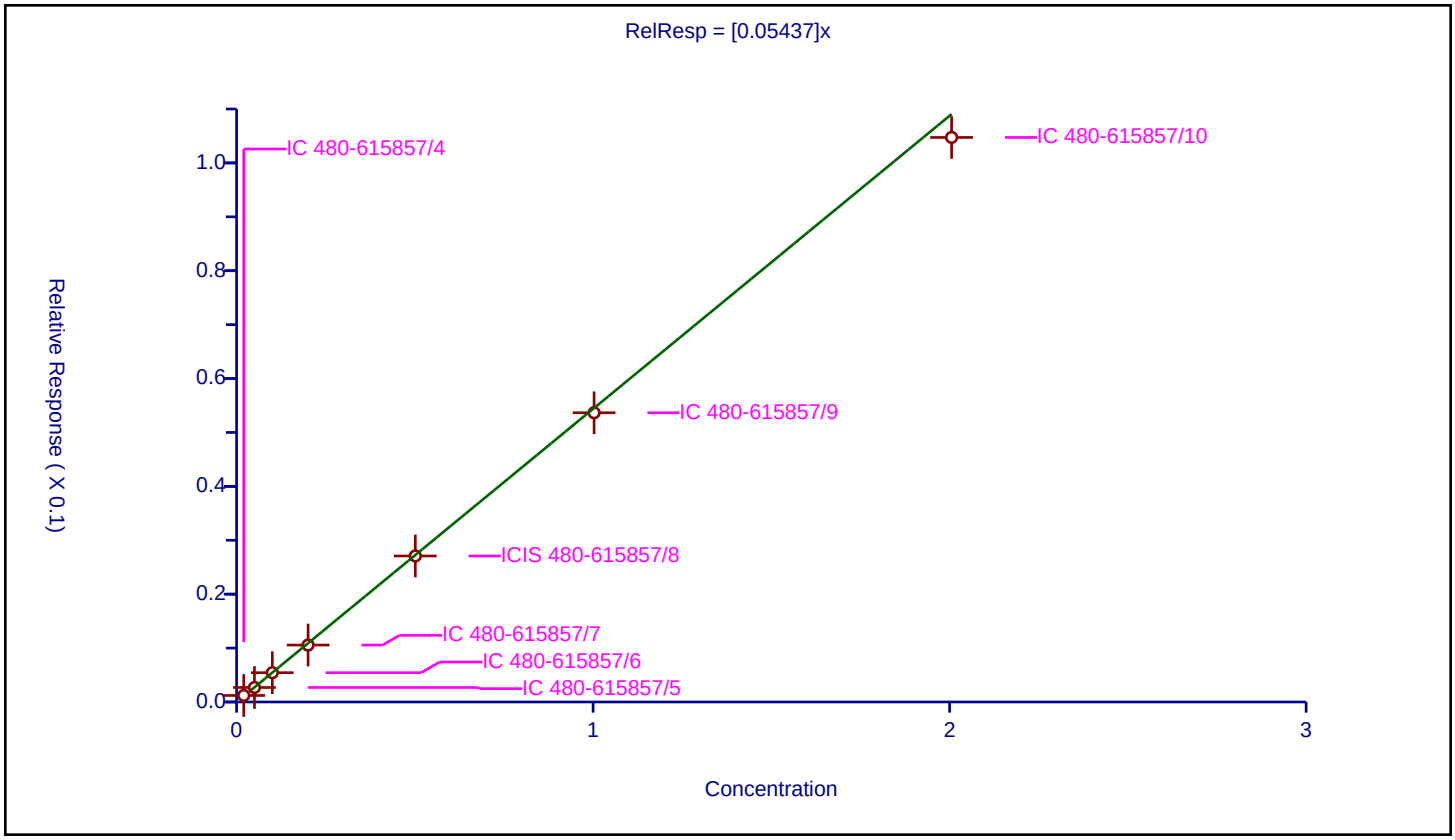
Curve Coefficients

Intercept:	0
Slope:	0.05437

Error Coefficients

Standard Error:	516000
Relative Standard Error:	5.0
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.001211	0.5	6402568.0	0.060365	Y
2	IC 480-615857/5	0.05014	0.00269	0.5	6594730.0	0.053649	Y
3	IC 480-615857/6	0.10028	0.005436	0.5	6785779.0	0.054206	Y
4	IC 480-615857/7	0.20056	0.010557	0.5	6597395.0	0.052639	Y
5	ICIS 480-615857/8	0.5014	0.027085	0.5	6575470.0	0.054018	Y
6	IC 480-615857/9	1.0028	0.053658	0.5	6155447.0	0.053508	Y
7	IC 480-615857/10	2.0056	0.104725	0.5	4786157.0	0.052216	Y



Calibration / PCB-1016 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

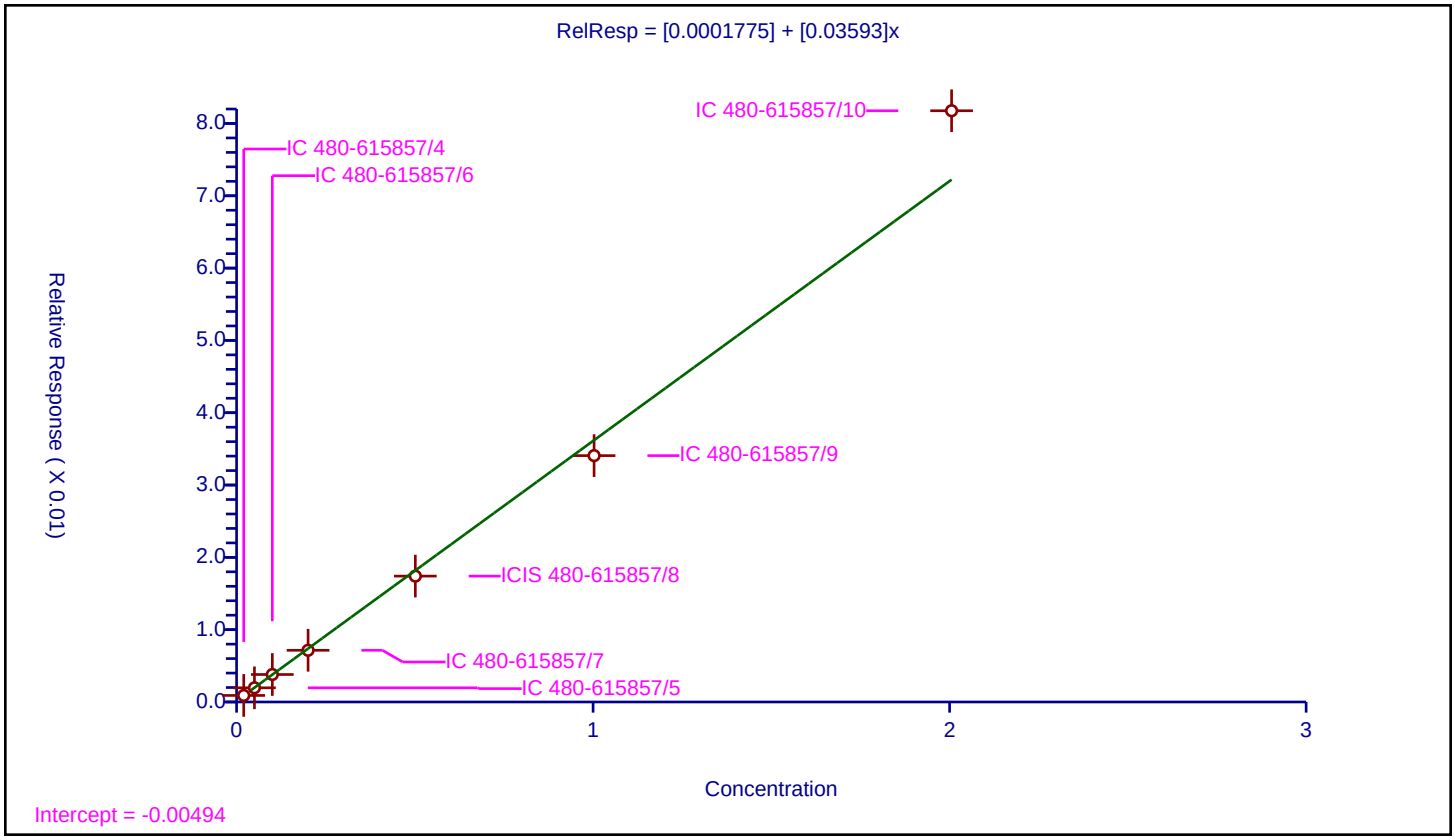
Curve Coefficients

Intercept:	0.0001775
Slope:	0.03593

Error Coefficients

Standard Error:	413000
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 480-615857/4	0.020056	0.000904	0.5	6402568.0	0.045063	Y
2	IC 480-615857/5	0.05014	0.00196	0.5	6594730.0	0.039081	Y
3	IC 480-615857/6	0.10028	0.003801	0.5	6785779.0	0.037901	Y
4	IC 480-615857/7	0.20056	0.007149	0.5	6597395.0	0.035647	Y
5	ICIS 480-615857/8	0.5014	0.017406	0.5	6575470.0	0.034714	Y
6	IC 480-615857/9	1.0028	0.034068	0.5	6155447.0	0.033973	Y
7	IC 480-615857/10	2.0056	0.081762	0.5	4786157.0	0.040767	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

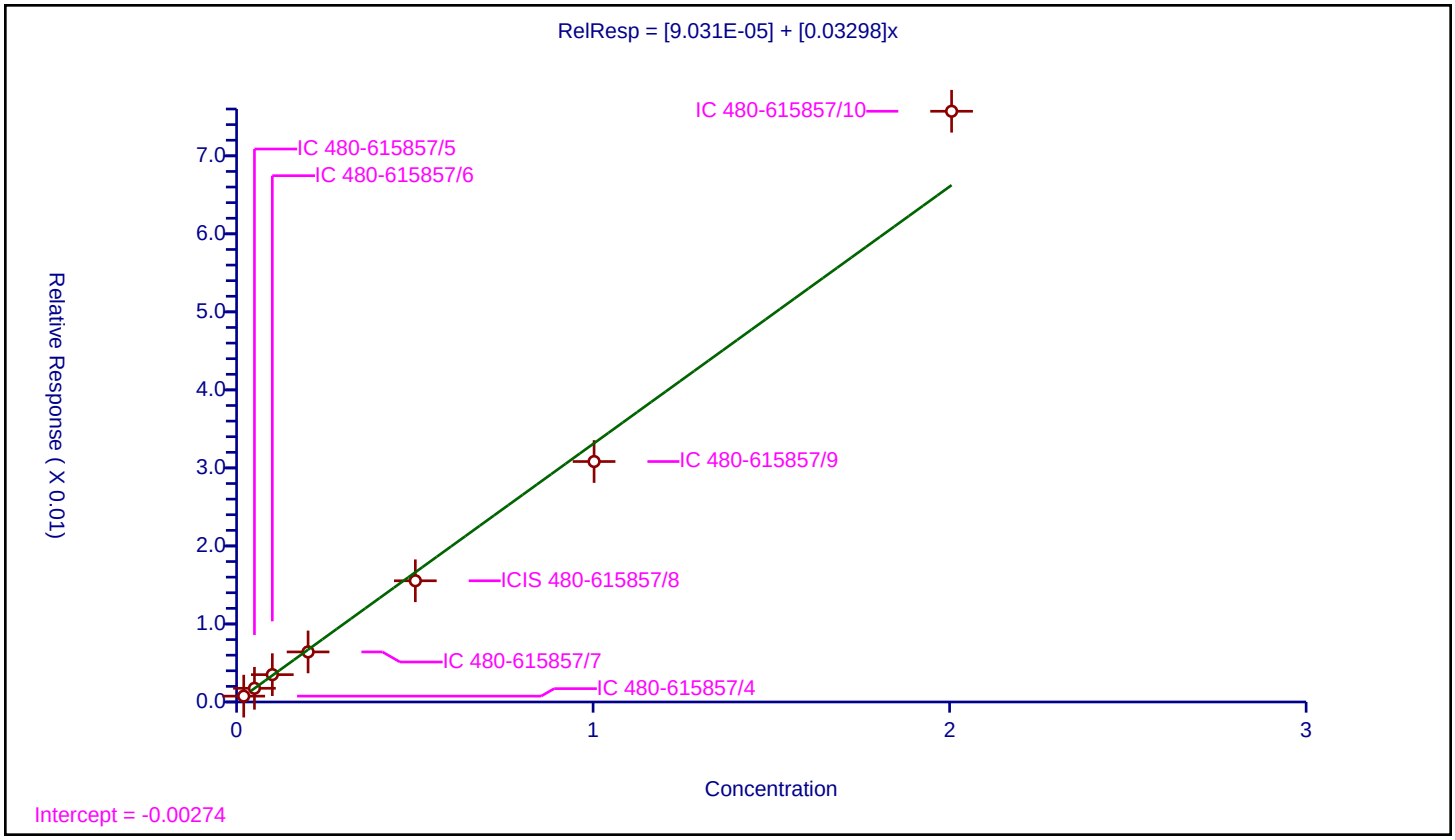
Curve Coefficients

Intercept:	9.031E-05
Slope:	0.03298

Error Coefficients

Standard Error:	380000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.020056	0.00075	0.5	6402568.0	0.037411	Y
2	IC 480-615857/5	0.05014	0.001755	0.5	6594730.0	0.035003	Y
3	IC 480-615857/6	0.10028	0.003507	0.5	6785779.0	0.034968	Y
4	IC 480-615857/7	0.20056	0.006418	0.5	6597395.0	0.032001	Y
5	ICIS 480-615857/8	0.5014	0.015535	0.5	6575470.0	0.030983	Y
6	IC 480-615857/9	1.0028	0.030819	0.5	6155447.0	0.030733	Y
7	IC 480-615857/10	2.0056	0.075714	0.5	4786157.0	0.037751	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

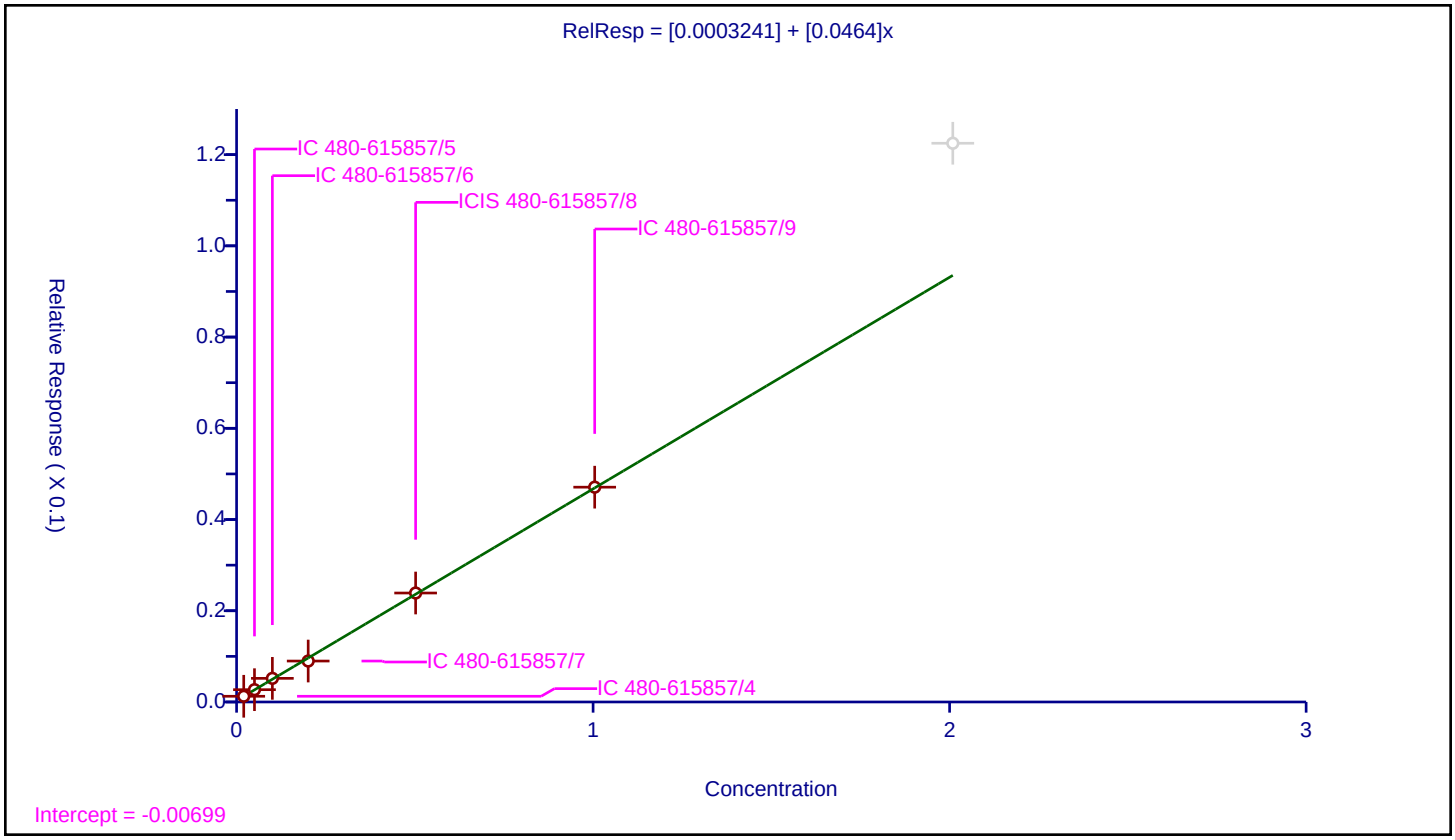
Curve Coefficients

Intercept:	0.0003241
Slope:	0.0464

Error Coefficients

Standard Error:	337000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001253	0.5	6402568.0	0.062362	Y
2	IC 480-615857/5	0.050225	0.002696	0.5	6594730.0	0.053674	Y
3	IC 480-615857/6	0.10045	0.005183	0.5	6785779.0	0.051594	Y
4	IC 480-615857/7	0.2009	0.008977	0.5	6597395.0	0.044685	Y
5	ICIS 480-615857/8	0.50225	0.023893	0.5	6575470.0	0.047572	Y
6	IC 480-615857/9	1.0045	0.047095	0.5	6155447.0	0.046884	Y
7	IC 480-615857/10	2.009	0.122491	0.5	4786157.0	0.060971	N



Calibration / PCB-1260 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

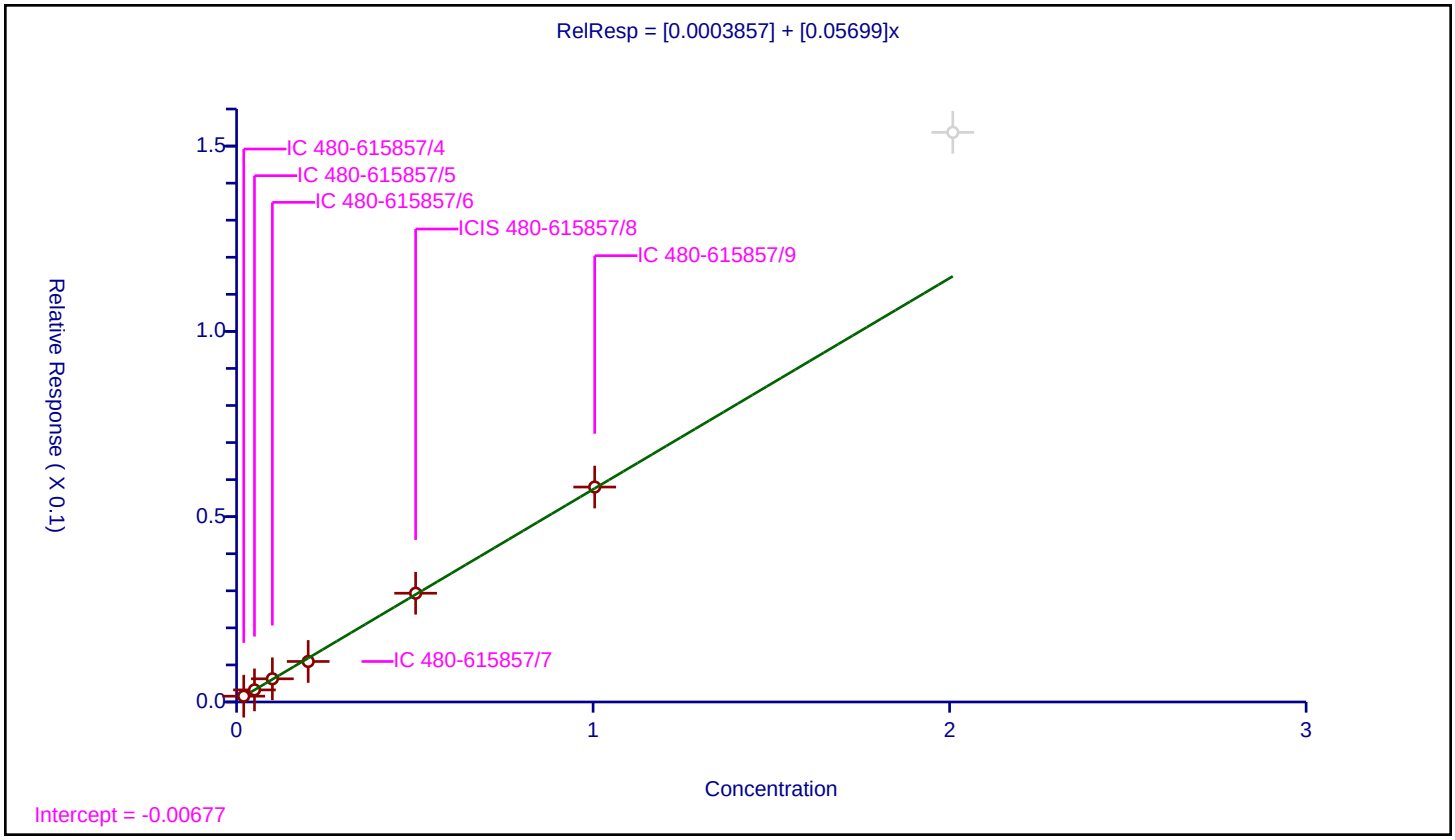
Curve Coefficients

Intercept:	0.0003857
Slope:	0.05699

Error Coefficients

Standard Error:	415000
Relative Standard Error:	4.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001566	0.5	6402568.0	0.077962	Y
2	IC 480-615857/5	0.050225	0.00326	0.5	6594730.0	0.064901	Y
3	IC 480-615857/6	0.10045	0.006253	0.5	6785779.0	0.062248	Y
4	IC 480-615857/7	0.2009	0.010933	0.5	6597395.0	0.05442	Y
5	ICIS 480-615857/8	0.50225	0.029347	0.5	6575470.0	0.058431	Y
6	IC 480-615857/9	1.0045	0.057997	0.5	6155447.0	0.057738	Y
7	IC 480-615857/10	2.009	0.153706	0.5	4786157.0	0.076509	N



Calibration / PCB-1260 Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

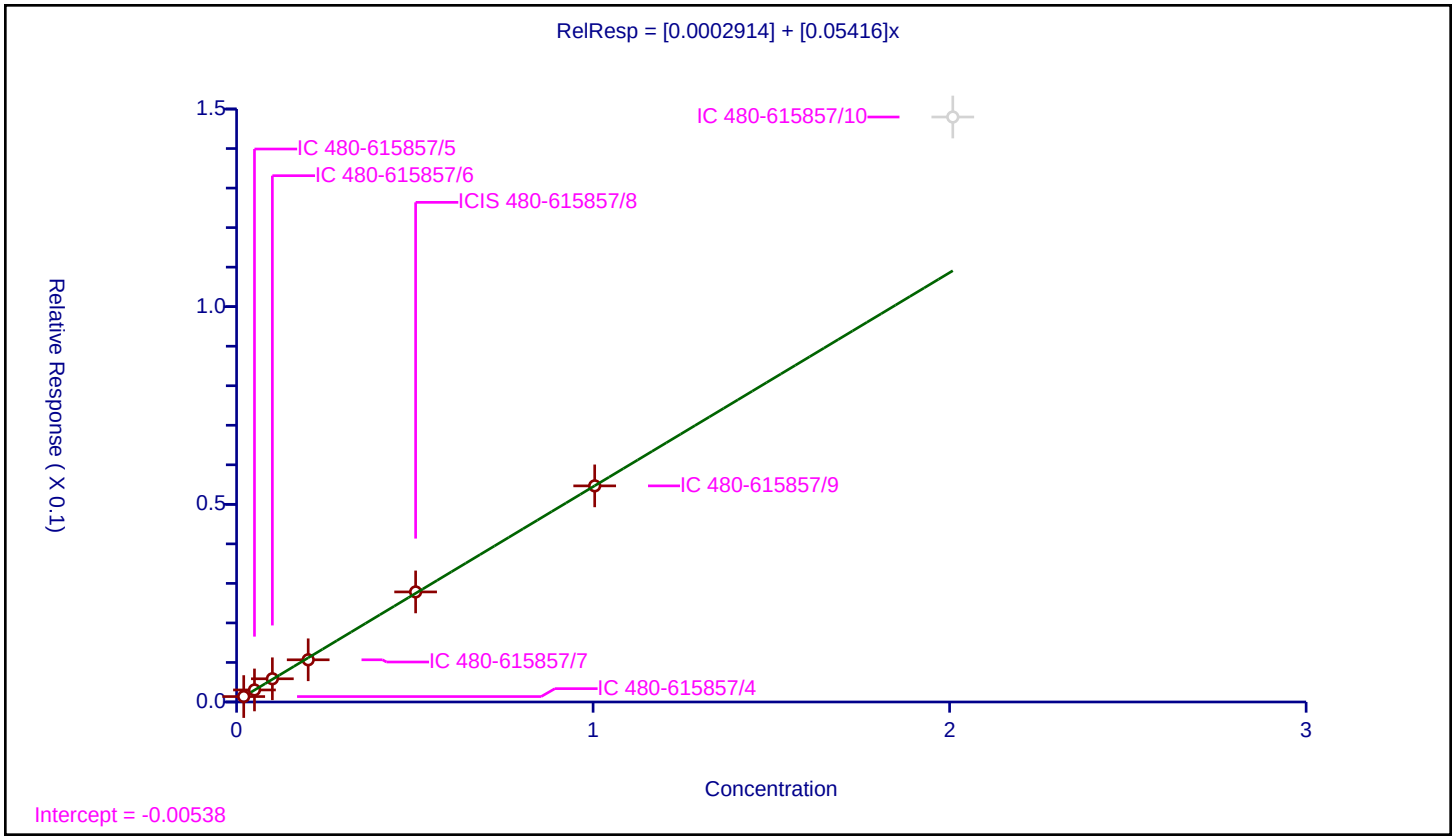
Curve Coefficients

Intercept:	0.0002914
Slope:	0.05416

Error Coefficients

Standard Error:	392000
Relative Standard Error:	2.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001375	0.5	6402568.0	0.068446	Y
2	IC 480-615857/5	0.050225	0.003042	0.5	6594730.0	0.060576	Y
3	IC 480-615857/6	0.10045	0.005872	0.5	6785779.0	0.058455	Y
4	IC 480-615857/7	0.2009	0.010677	0.5	6597395.0	0.053144	Y
5	ICIS 480-615857/8	0.50225	0.027843	0.5	6575470.0	0.055436	Y
6	IC 480-615857/9	1.0045	0.054673	0.5	6155447.0	0.054428	Y
7	IC 480-615857/10	2.009	0.147979	0.5	4786157.0	0.073658	N



Calibration / PCB-1260 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

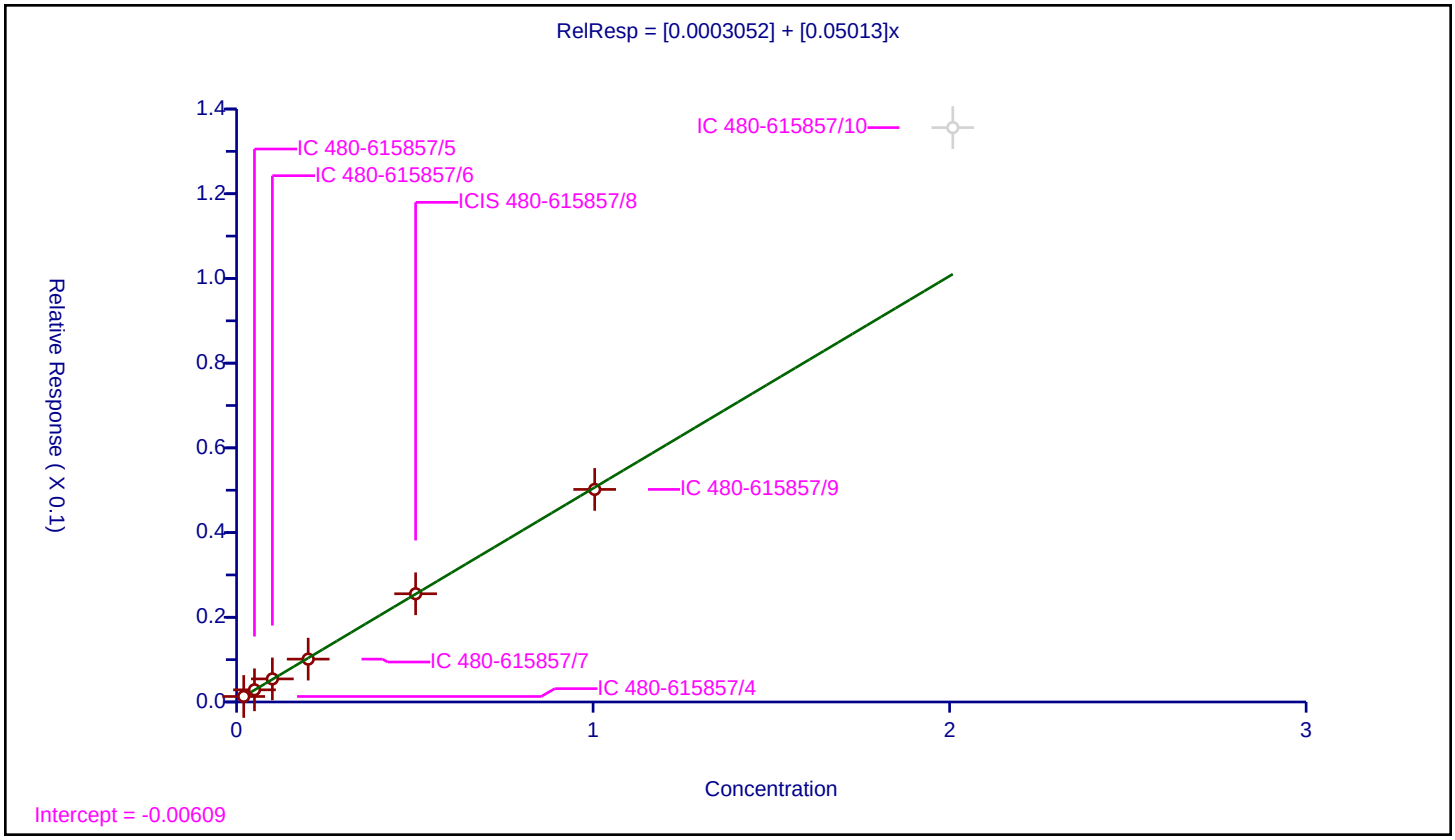
Curve Coefficients

Intercept:	0.0003052
Slope:	0.05013

Error Coefficients

Standard Error:	360000
Relative Standard Error:	2.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.001303	0.5	6402568.0	0.064838	Y
2	IC 480-615857/5	0.050225	0.002872	0.5	6594730.0	0.05719	Y
3	IC 480-615857/6	0.10045	0.00545	0.5	6785779.0	0.054259	Y
4	IC 480-615857/7	0.2009	0.010122	0.5	6597395.0	0.050382	Y
5	ICIS 480-615857/8	0.50225	0.025554	0.5	6575470.0	0.050879	Y
6	IC 480-615857/9	1.0045	0.050186	0.5	6155447.0	0.049961	Y
7	IC 480-615857/10	2.009	0.135612	0.5	4786157.0	0.067502	N



Calibration / PCB-1260 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

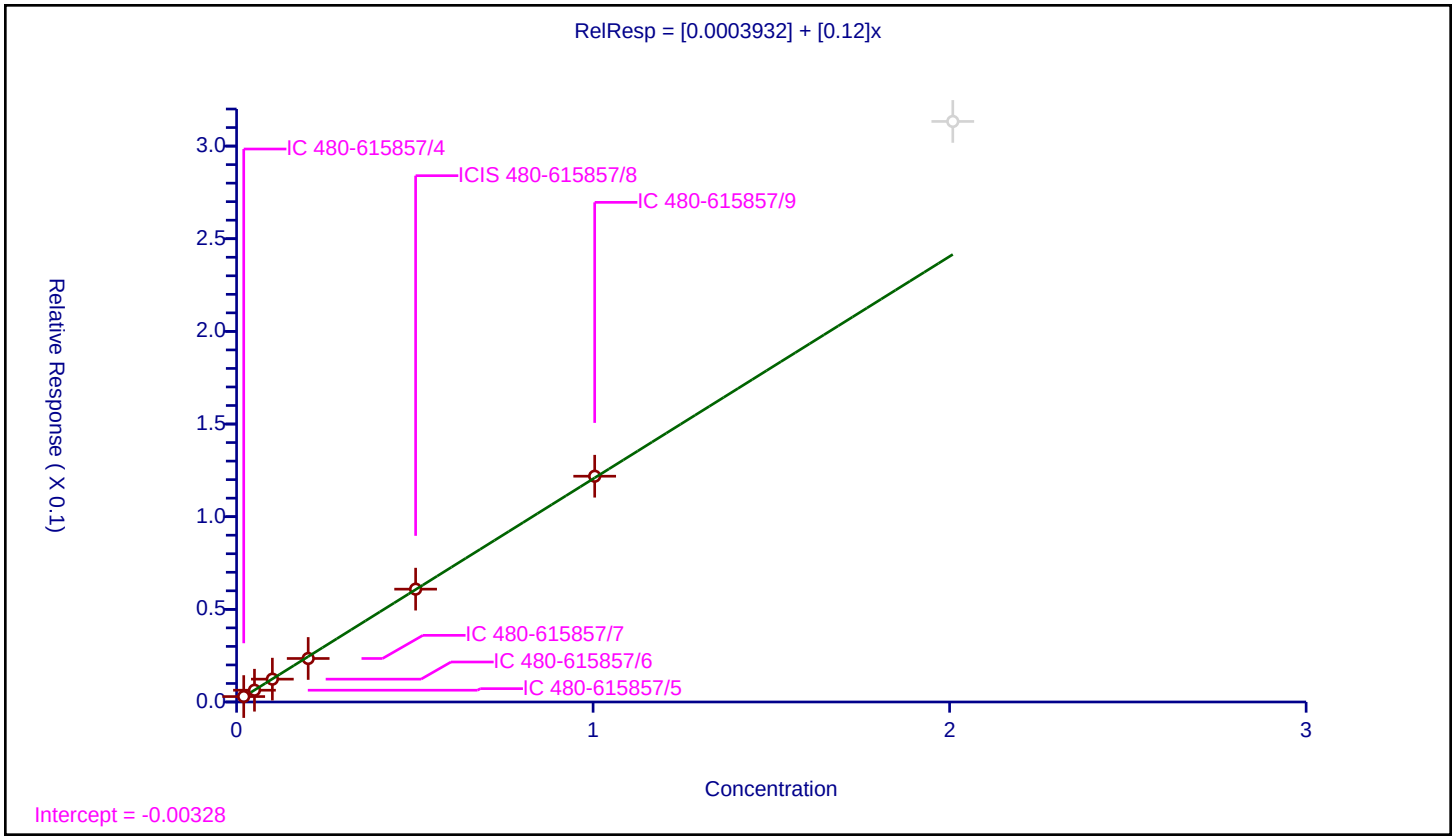
Curve Coefficients

Intercept:	0.0003932
Slope:	0.12

Error Coefficients

Standard Error:	869000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.02009	0.002934	0.5	6402568.0	0.146038	Y
2	IC 480-615857/5	0.050225	0.006349	0.5	6594730.0	0.126416	Y
3	IC 480-615857/6	0.10045	0.01233	0.5	6785779.0	0.122747	Y
4	IC 480-615857/7	0.2009	0.023484	0.5	6597395.0	0.116893	Y
5	ICIS 480-615857/8	0.50225	0.060891	0.5	6575470.0	0.121236	Y
6	IC 480-615857/9	1.0045	0.121835	0.5	6155447.0	0.121289	Y
7	IC 480-615857/10	2.009	0.3133	0.5	4786157.0	0.155948	N



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

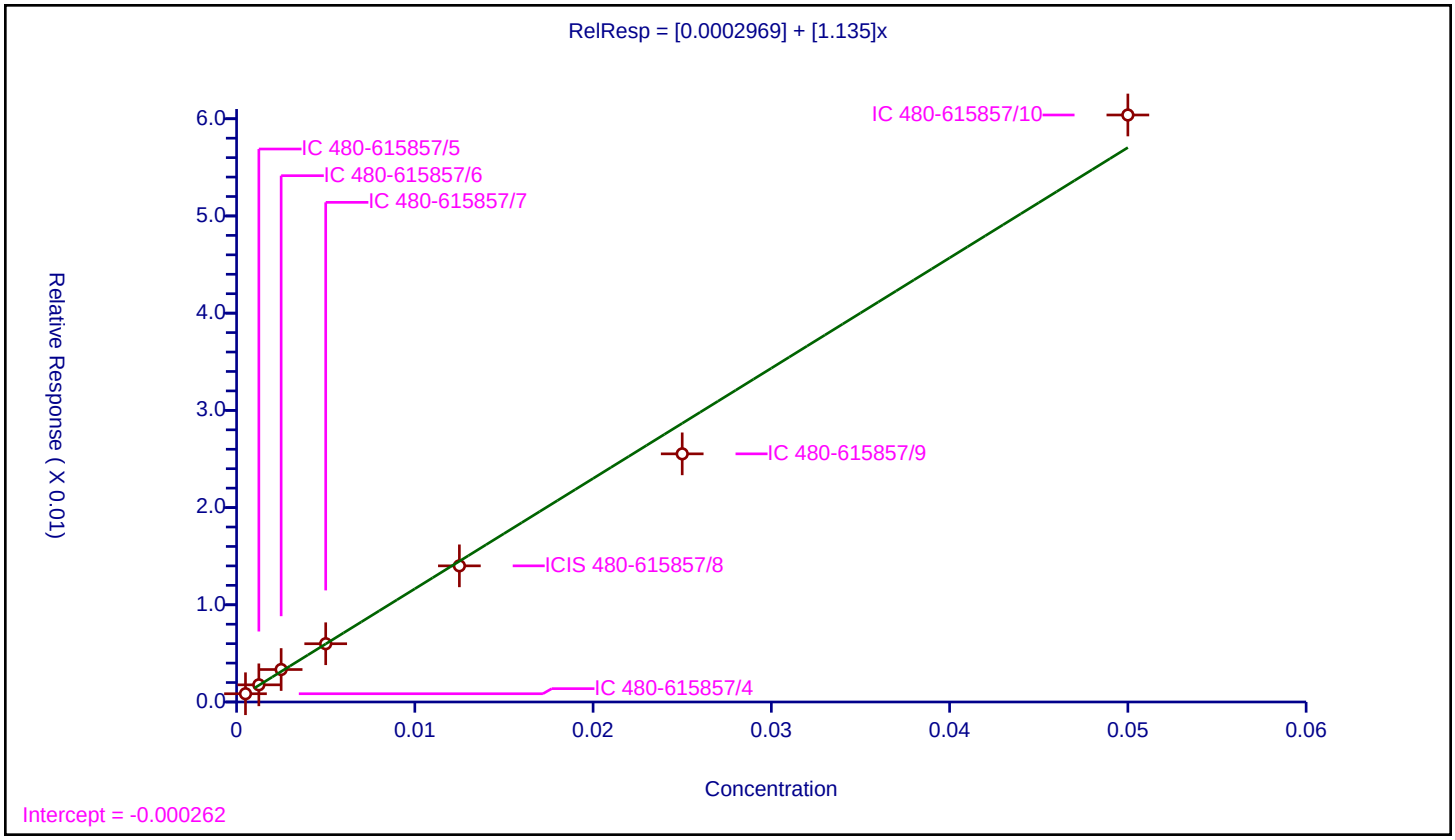
Curve Coefficients

Intercept:	0.0002969
Slope:	1.135

Error Coefficients

Standard Error:	308000
Relative Standard Error:	7.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/4	0.0005	0.000849	0.5	6402568.0	1.697756	Y
2	IC 480-615857/5	0.00125	0.001765	0.5	6594730.0	1.41234	Y
3	IC 480-615857/6	0.0025	0.003341	0.5	6785779.0	1.336265	Y
4	IC 480-615857/7	0.005	0.005994	0.5	6597395.0	1.198731	Y
5	ICIS 480-615857/8	0.0125	0.014005	0.5	6575470.0	1.120376	Y
6	IC 480-615857/9	0.025	0.025527	0.5	6155447.0	1.021063	Y
7	IC 480-615857/10	0.05	0.060386	0.5	4786157.0	1.207727	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 19:16 Calibration End Date: 02/23/2022 19:42 Calibration ID: 43140

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/16	6_104-016.D
Level 2	IC 480-615857/17	6_104-017.D
Level 3	IC 480-615857/18	6_104-018.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				B	M1	M2								
PCB-1221 Peak 1	0.0189	0.0136	0.0117			Lin2	0.0001	0.0125				9.3			0.9950		0.9900
PCB-1221 Peak 2	0.0119	0.0085	0.0070			Lin2	0.0001	0.0076				12.5			0.9920		0.9900
PCB-1221 Peak 3	0.0430	0.0309	0.0267			Lin2	0.0003	0.0284				9.2			0.9960		0.9900
PCB-1254 Peak 1	0.0567	0.0397	0.0386			Lin2	0.0004	0.0387				1.0			1.0000		0.9900
PCB-1254 Peak 2	0.0815	0.0551	0.0539			Lin2	0.0006	0.0538				0.5			1.0000		0.9900
PCB-1254 Peak 3	0.0901	0.0634	0.0632			Lin2	0.0006	0.0626				0.7			1.0000		0.9900
PCB-1254 Peak 4	0.0940	0.0651	0.0652			Lin2	0.0006	0.0644				1.1			1.0000		0.9900
PCB-1254 Peak 5	0.0784	0.0576	0.0574			Lin2	0.0004	0.0570				0.5			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 19:16 Calibration End Date: 02/23/2022 19:42 Calibration ID: 43140

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/16	6_104-016.D
Level 2	IC 480-615857/17	6_104-017.D
Level 3	IC 480-615857/18	6_104-018.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin2	4569	78181	282528			0.0201	0.502	2.01		
PCB-1221 Peak 2	BNB	Lin2	2883	48766	168278			0.0201	0.502	2.01		
PCB-1221 Peak 3	BNB	Lin2	10386	177727	643101			0.0201	0.502	2.01		
PCB-1254 Peak 1	BNB	Lin2	13728	228948	930517			0.0201	0.503	2.01		
PCB-1254 Peak 2	BNB	Lin2	19713	318121	1299858			0.0201	0.503	2.01		
PCB-1254 Peak 3	BNB	Lin2	21809	365758	1524558			0.0201	0.503	2.01		
PCB-1254 Peak 4	BNB	Lin2	22755	375346	1572249			0.0201	0.503	2.01		
PCB-1254 Peak 5	BNB	Lin2	18964	332570	1383542			0.0201	0.503	2.01		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-016.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 19:16:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 17:04:21 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 14:53:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	6012714	0.5000	0.5000	
2	2.270	2.270	0.000	6418869	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	4569	0.0201	0.0200	
1	3.249	3.249	0.000	2883	0.0201	0.0200	
1	3.302	3.302	0.000	10386	0.0201	0.0200	
		Average of Peak Amounts =				0.0200	
2	3.379	3.379	0.000	4524	0.0201	0.0200	
2	3.504	3.504	0.000	3070	0.0201	0.0200	
2	3.566	3.566	0.000	9846	0.0201	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.04	
8 PCB-1254							
1	4.858	4.858	0.000	13728	0.0201	0.0201	
1	5.031	5.031	0.000	19713	0.0201	0.0201	
1	5.354	5.354	0.000	21809	0.0201	0.0201	
1	5.559	5.559	0.000	22755	0.0201	0.0201	
1	6.023	6.023	0.000	18964	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
2	5.185	5.185	0.000	14863	0.0201	0.0201	
2	5.262	5.262	0.000	17309	0.0201	0.0201	
2	5.709	5.709	0.000	23215	0.0201	0.0201	
2	5.849	5.849	0.000	16124	0.0201	0.0201	
2	6.429	6.429	0.000	16932	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.07	

QC Flag Legend

Processing Flags

Reagents:

21-54w/IS@.02_00024 Amount Added: 1.00 Units: mL

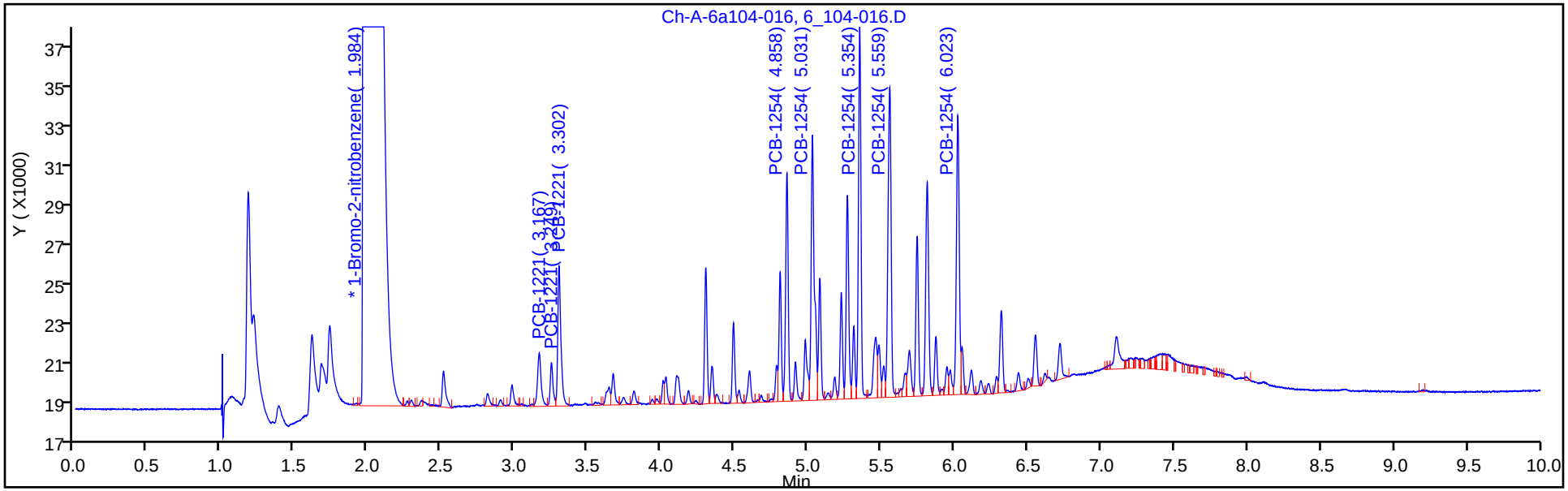
Report Date: 24-Feb-2022 17:04:22 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

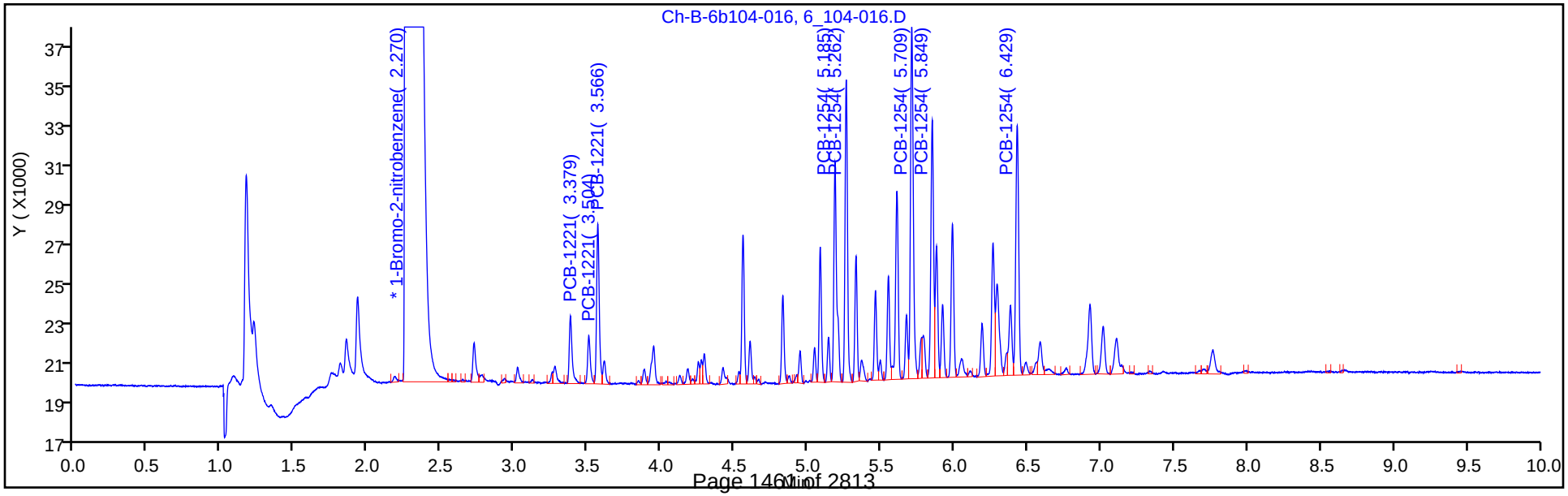
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-016.D

Injection Date:	23-Feb-2022 19:16:00	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-017.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 19:29:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:37 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:34:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5734597	0.5000	0.5000	
2	2.271	2.271	0.000	6127721	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	78181	0.5020	0.5355	
1	3.249	3.249	0.000	48766	0.5020	0.5471	
1	3.301	3.301	0.000	177727	0.5020	0.5352	
		Average of Peak Amounts =				0.5393	
2	3.380	3.380	0.000	84320	0.5020	0.5305	
2	3.506	3.506	0.000	55682	0.5020	0.5387	
2	3.567	3.567	0.000	172530	0.5020	0.5281	
		Average of Peak Amounts =				0.5324	
						RPD = 1.27	
8 PCB-1254							
1	4.858	4.858	0.000	228948	0.5030	0.5066	
1	5.031	5.031	0.000	318121	0.5030	0.5049	
1	5.353	5.353	0.000	365758	0.5030	0.5003	
1	5.558	5.558	0.000	375346	0.5030	0.4989	
1	6.023	6.023	0.000	332570	0.5030	0.5013	
		Average of Peak Amounts =				0.5024	
2	5.186	5.186	0.000	272819	0.5030	0.5085	
2	5.262	5.262	0.000	318544	0.5030	0.5069	
2	5.710	5.710	0.000	449956	0.5030	0.5228	
2	5.849	5.849	0.000	300666	0.5030	0.5189	
2	6.429	6.429	0.000	325832	0.5030	0.5133	
		Average of Peak Amounts =				0.5141	
						RPD = 2.30	

QC Flag Legend

Processing Flags

Reagents:

21-54w/IS@0.5_00102 Amount Added: 1.00 Units: mL

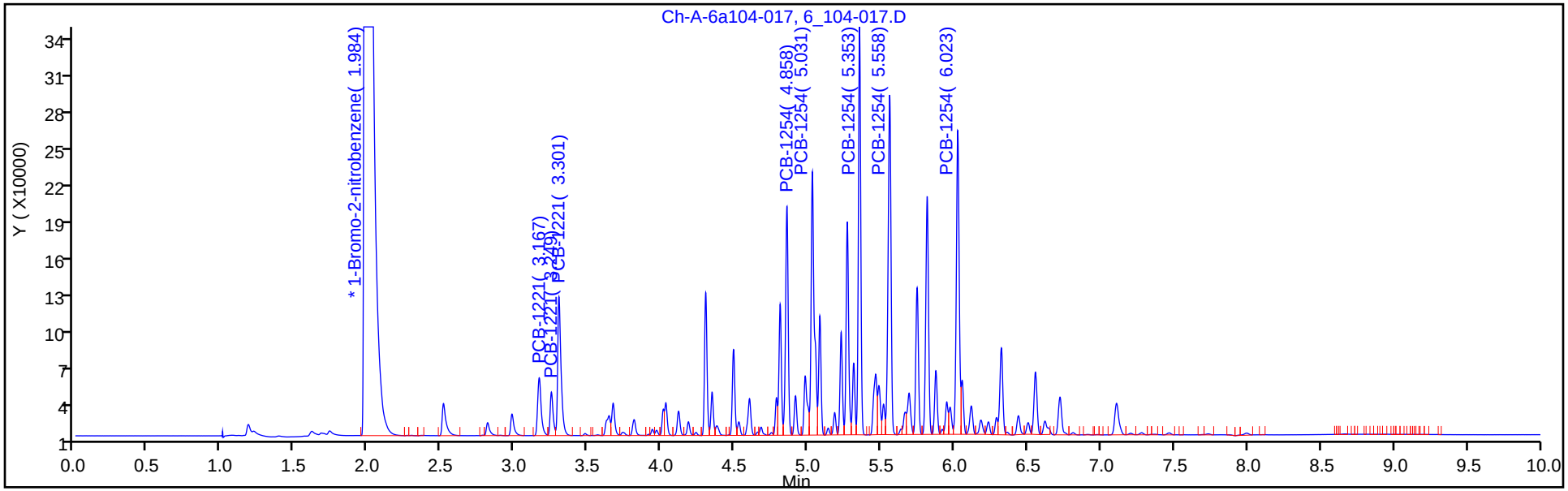
Report Date: 24-Feb-2022 16:57:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

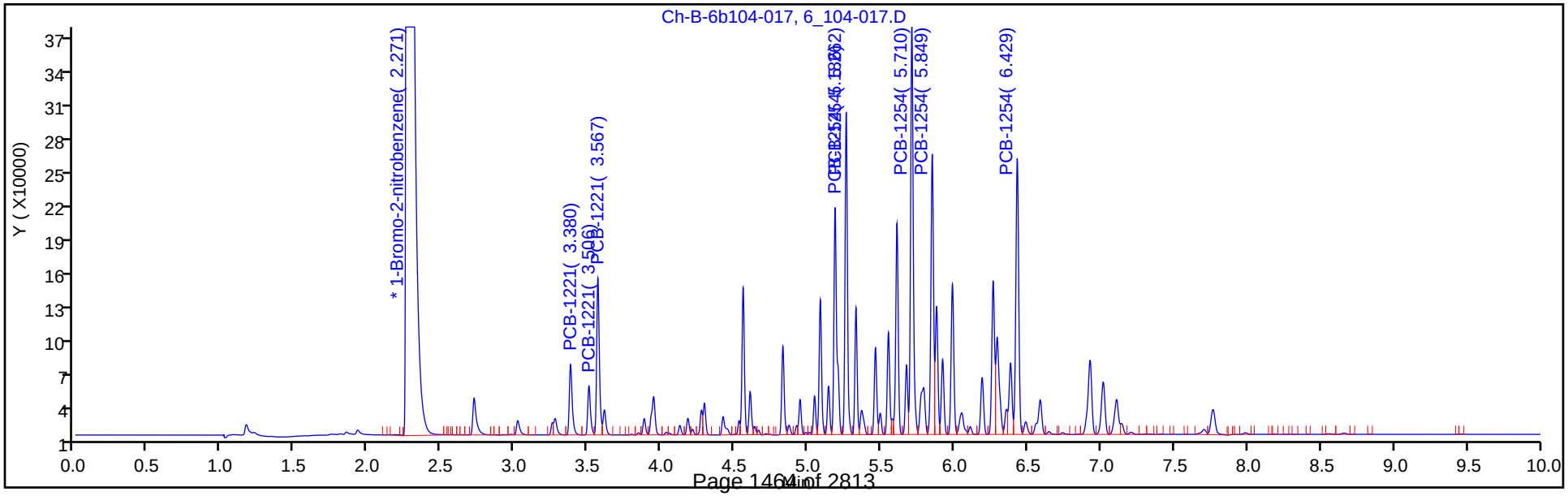
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-017.D

Injection Date:	23-Feb-2022 19:29:14	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-018.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 19:42:25 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:39 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:43:08

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.001	5991244	0.5000	0.5000	
2	2.270	2.271	-0.001	6351806	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.165	3.167	-0.002	282528	2.01	1.88	
1	3.248	3.249	-0.001	168278	2.01	1.83	
1	3.299	3.301	-0.002	643101	2.01	1.88	
		Average of Peak Amounts =				1.86	
2	3.378	3.380	-0.002	309465	2.01	1.90	
2	3.504	3.506	-0.002	197580	2.01	1.87	
2	3.565	3.567	-0.002	637781	2.01	1.91	
		Average of Peak Amounts =				1.89	
						RPD = 1.41	
8 PCB-1254							
1	4.856	4.858	-0.002	930517	2.01	2.00	
1	5.030	5.031	-0.001	1299858	2.01	2.00	
1	5.353	5.353	0.001	1524558	2.01	2.02	
1	5.558	5.558	0.000	1572249	2.01	2.03	
1	6.023	6.023	0.000	1383542	2.01	2.02	
		Average of Peak Amounts =				2.01	
2	5.184	5.186	-0.002	1096384	2.01	1.99	
2	5.261	5.262	-0.001	1288321	2.01	2.00	
2	5.708	5.710	-0.002	1712169	2.01	1.94	
2	5.848	5.849	-0.001	1160131	2.01	1.95	
2	6.428	6.429	-0.001	1287018	2.01	1.97	
		Average of Peak Amounts =				1.97	
						RPD = 2.28	

QC Flag Legend

Processing Flags

Reagents:

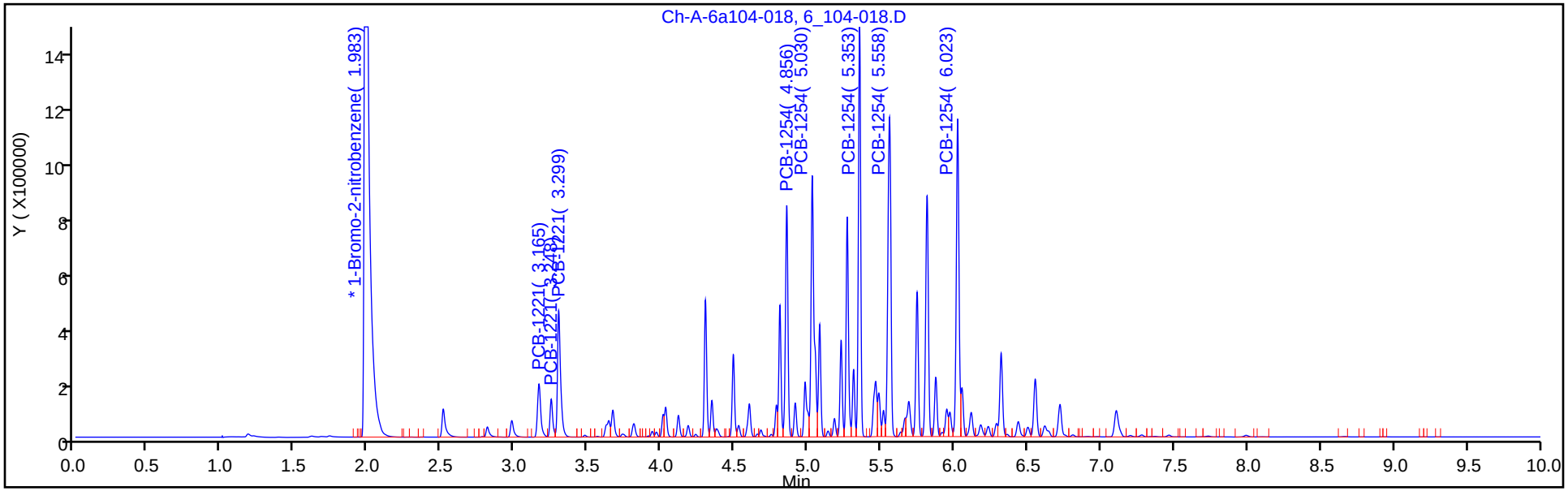
21-54w/IS@2.0_00026 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:39 Chrom Revision: 2.3 16-Feb-2022 17:52:00

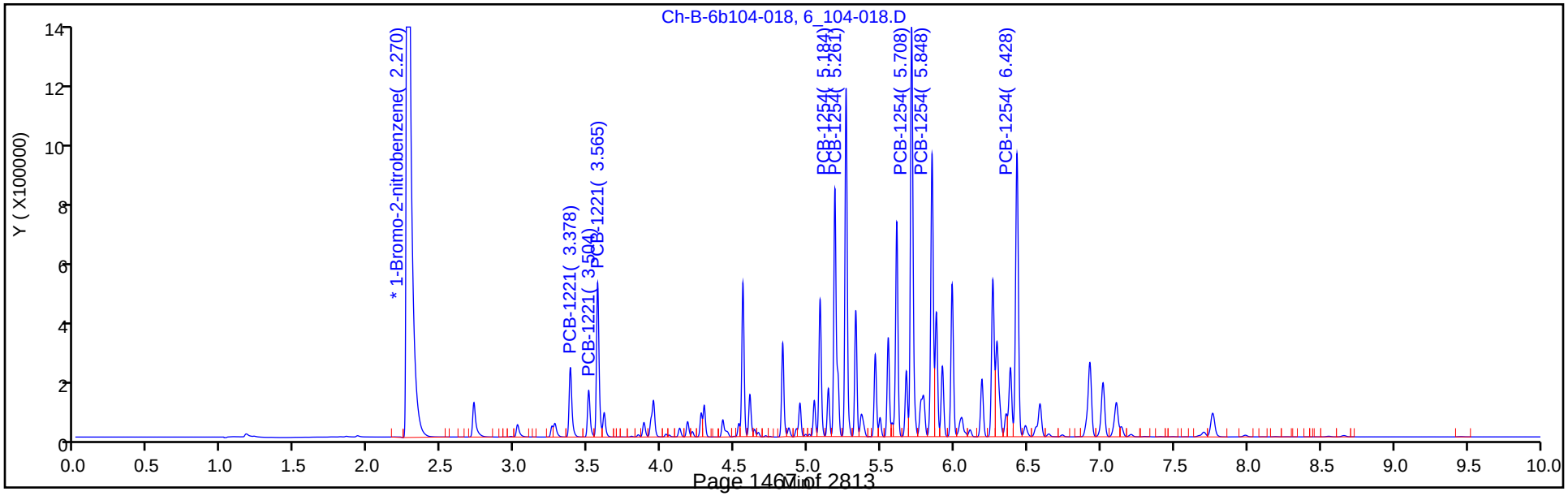
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-018.D				
Injection Date:	23-Feb-2022 19:42:25	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1221 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

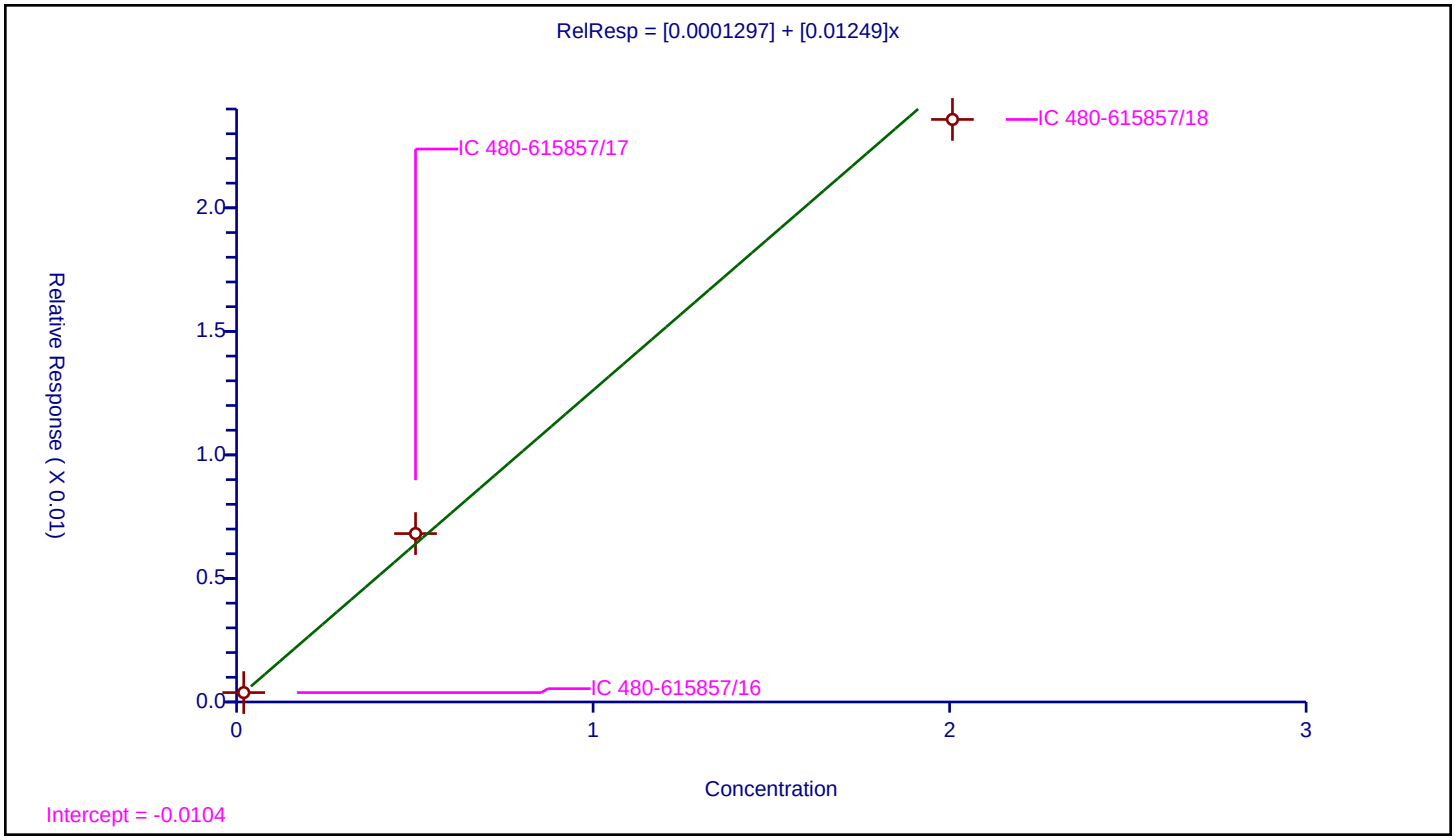
Curve Coefficients

Intercept:	0.0001297
Slope:	0.01249

Error Coefficients

Standard Error:	293000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.00038	0.5	6012714.0	0.018922	Y
2	IC 480-615857/17	0.502	0.006817	0.5	5734597.0	0.013579	Y
3	IC 480-615857/18	2.008	0.023578	0.5	5991244.0	0.011742	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

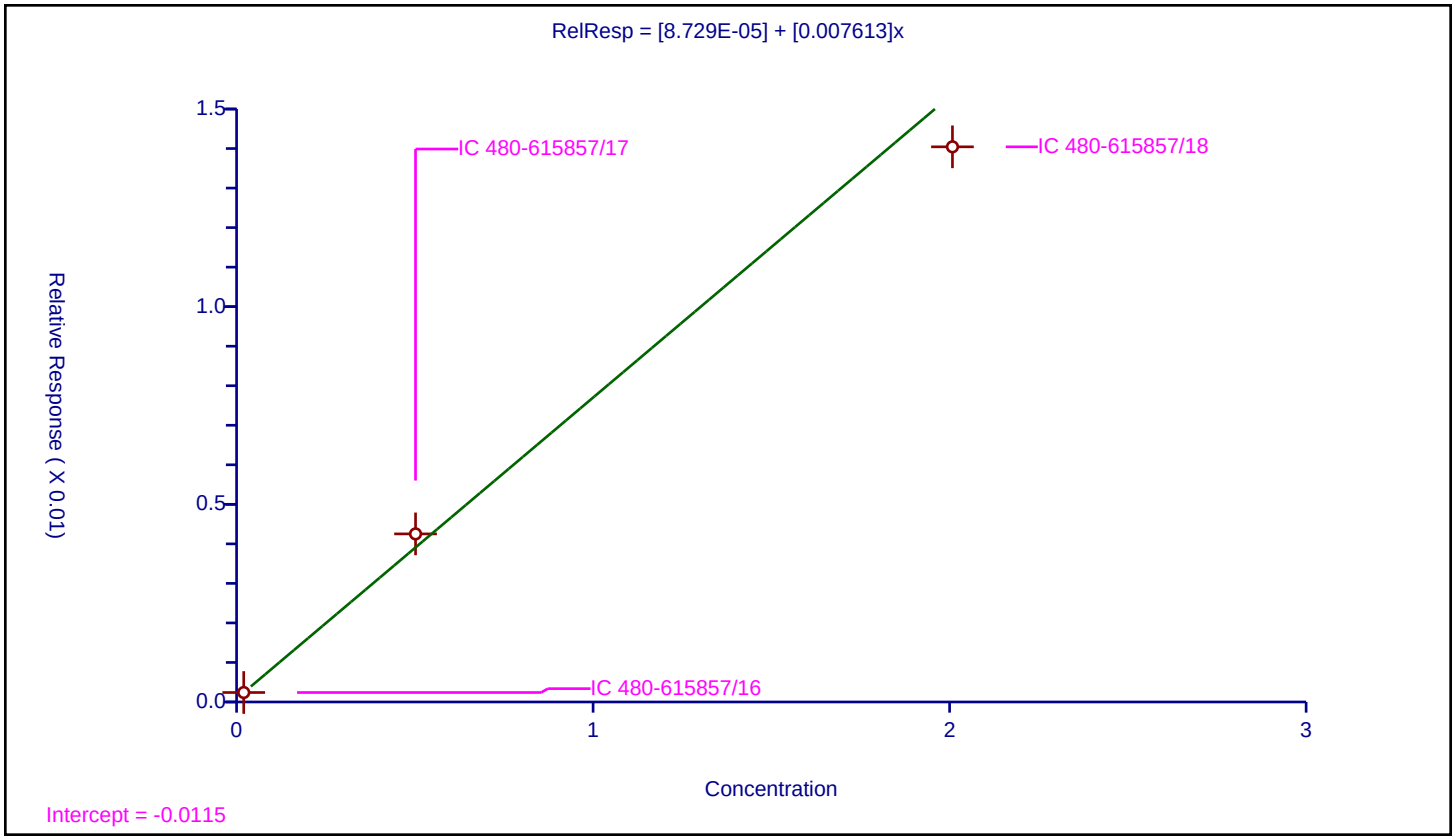
Curve Coefficients

Intercept:	8.729E-05
Slope:	0.007613

Error Coefficients

Standard Error:	175000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.00024	0.5	6012714.0	0.011939	Y
2	IC 480-615857/17	0.502	0.004252	0.5	5734597.0	0.00847	Y
3	IC 480-615857/18	2.008	0.014044	0.5	5991244.0	0.006994	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

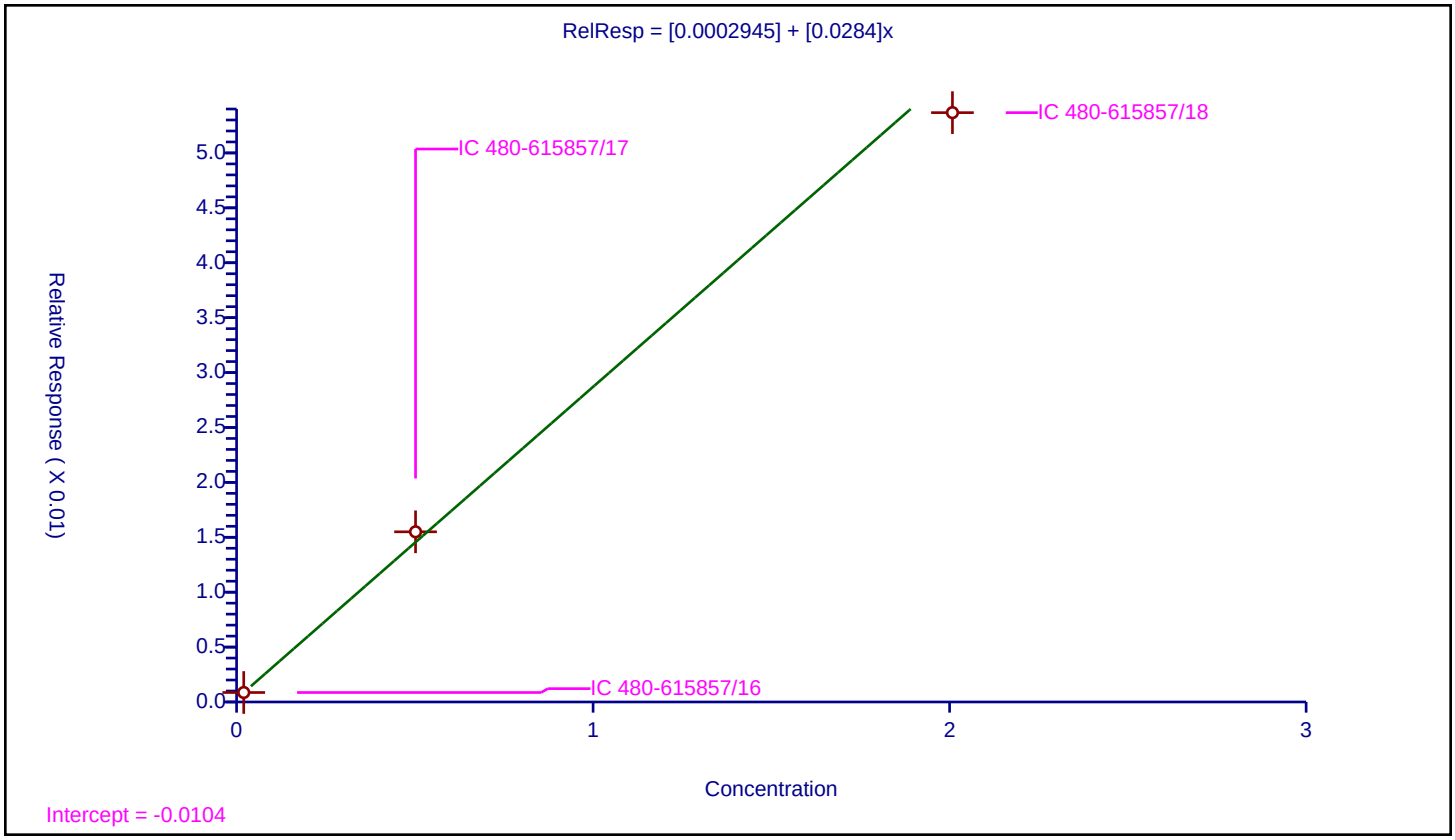
Curve Coefficients

Intercept:	0.0002945
Slope:	0.0284

Error Coefficients

Standard Error:	667000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.000864	0.5	6012714.0	0.043011	Y
2	IC 480-615857/17	0.502	0.015496	0.5	5734597.0	0.030869	Y
3	IC 480-615857/18	2.008	0.05367	0.5	5991244.0	0.026728	Y



Calibration / PCB-1254 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

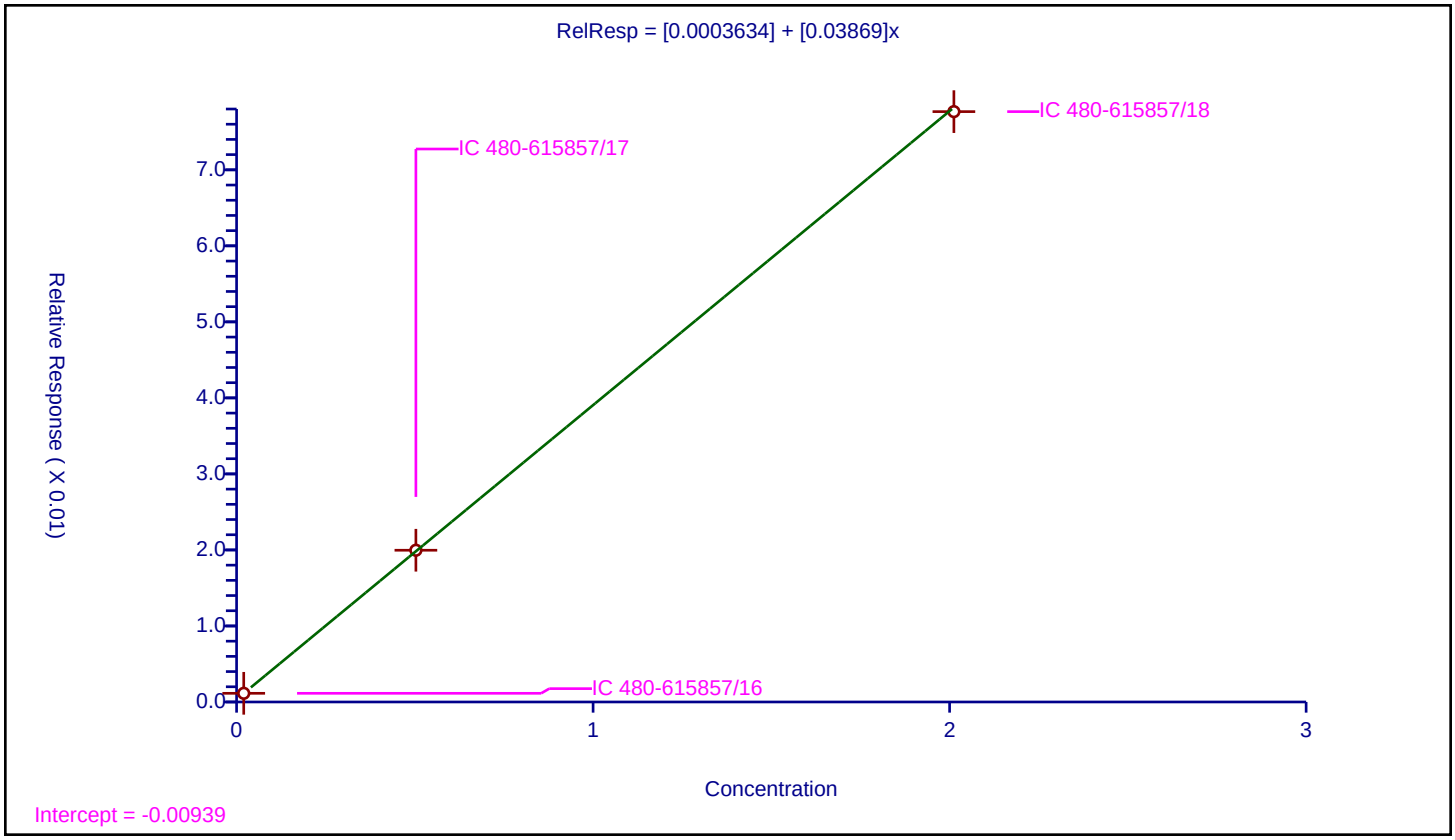
Curve Coefficients

Intercept:	0.0003634
Slope:	0.03869

Error Coefficients

Standard Error:	958000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001142	0.5	6012714.0	0.056739	Y
2	IC 480-615857/17	0.503	0.019962	0.5	5734597.0	0.039686	Y
3	IC 480-615857/18	2.012	0.077656	0.5	5991244.0	0.038597	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

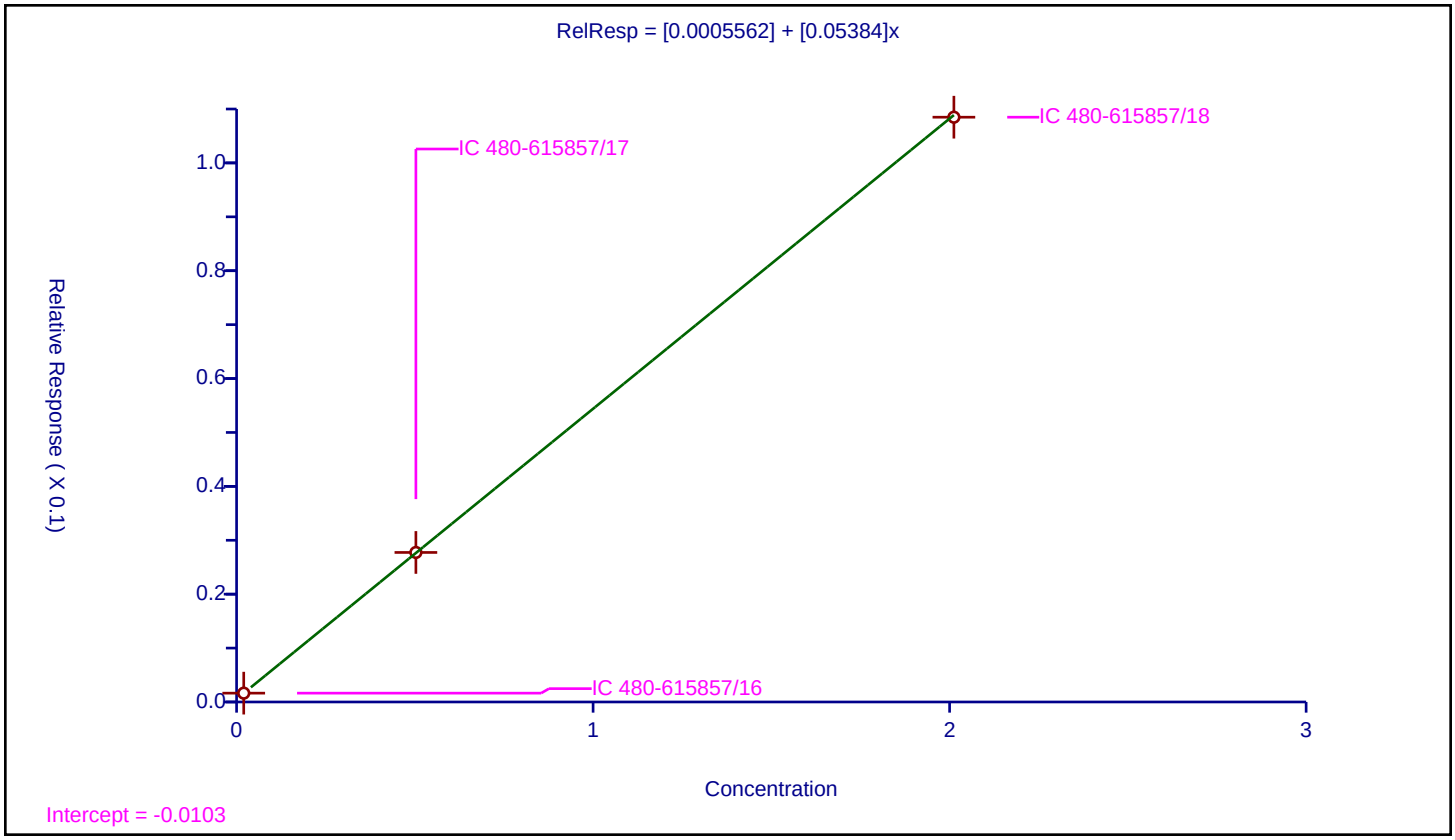
Curve Coefficients

Intercept:	0.0005562
Slope:	0.05384

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001639	0.5	6012714.0	0.081475	Y
2	IC 480-615857/17	0.503	0.027737	0.5	5734597.0	0.055143	Y
3	IC 480-615857/18	2.012	0.10848	0.5	5991244.0	0.053916	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

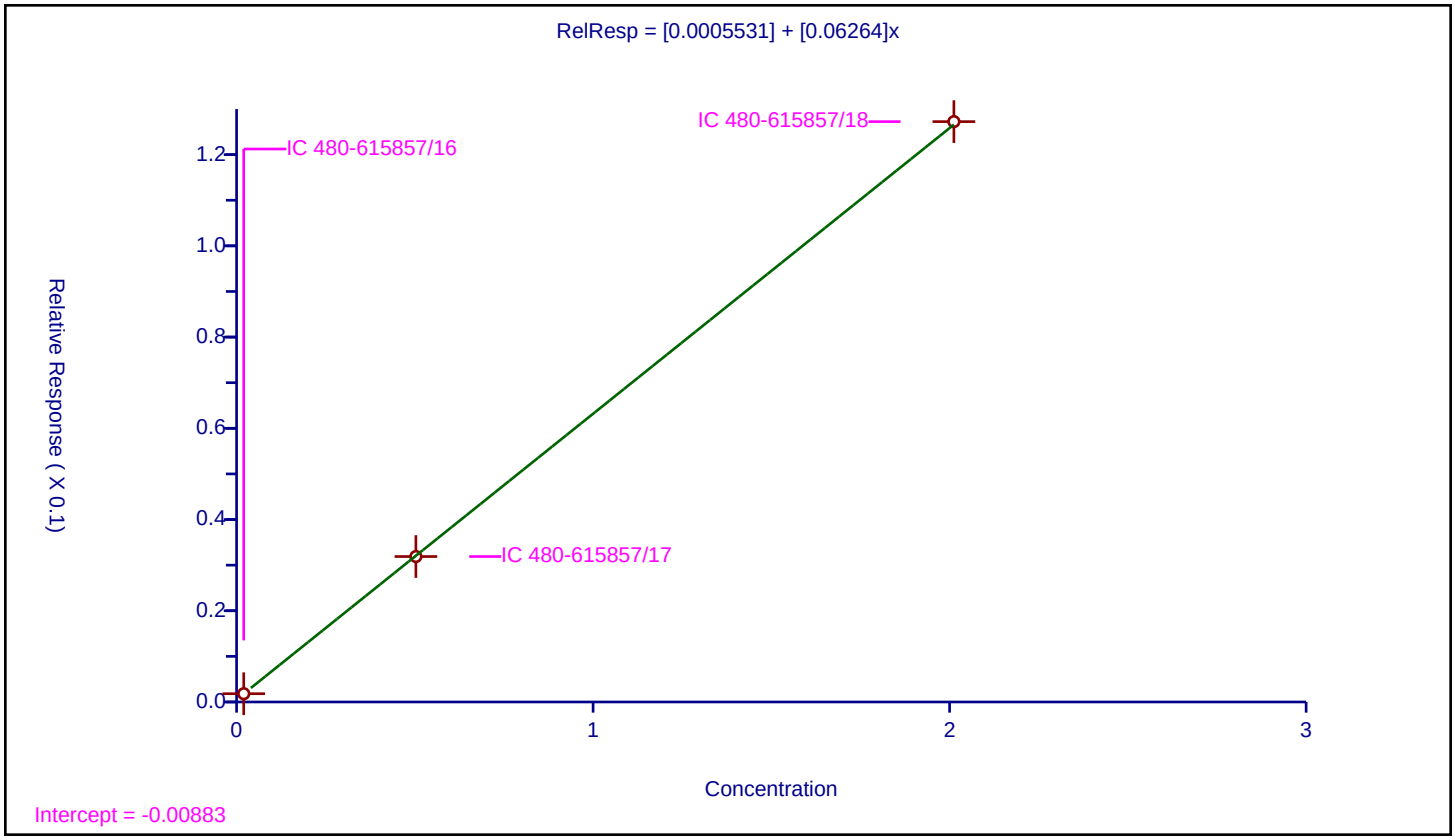
Curve Coefficients

Intercept:	0.0005531
Slope:	0.06264

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	0.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001814	0.5	6012714.0	0.090138	Y
2	IC 480-615857/17	0.503	0.03189	0.5	5734597.0	0.063401	Y
3	IC 480-615857/18	2.012	0.127232	0.5	5991244.0	0.063237	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

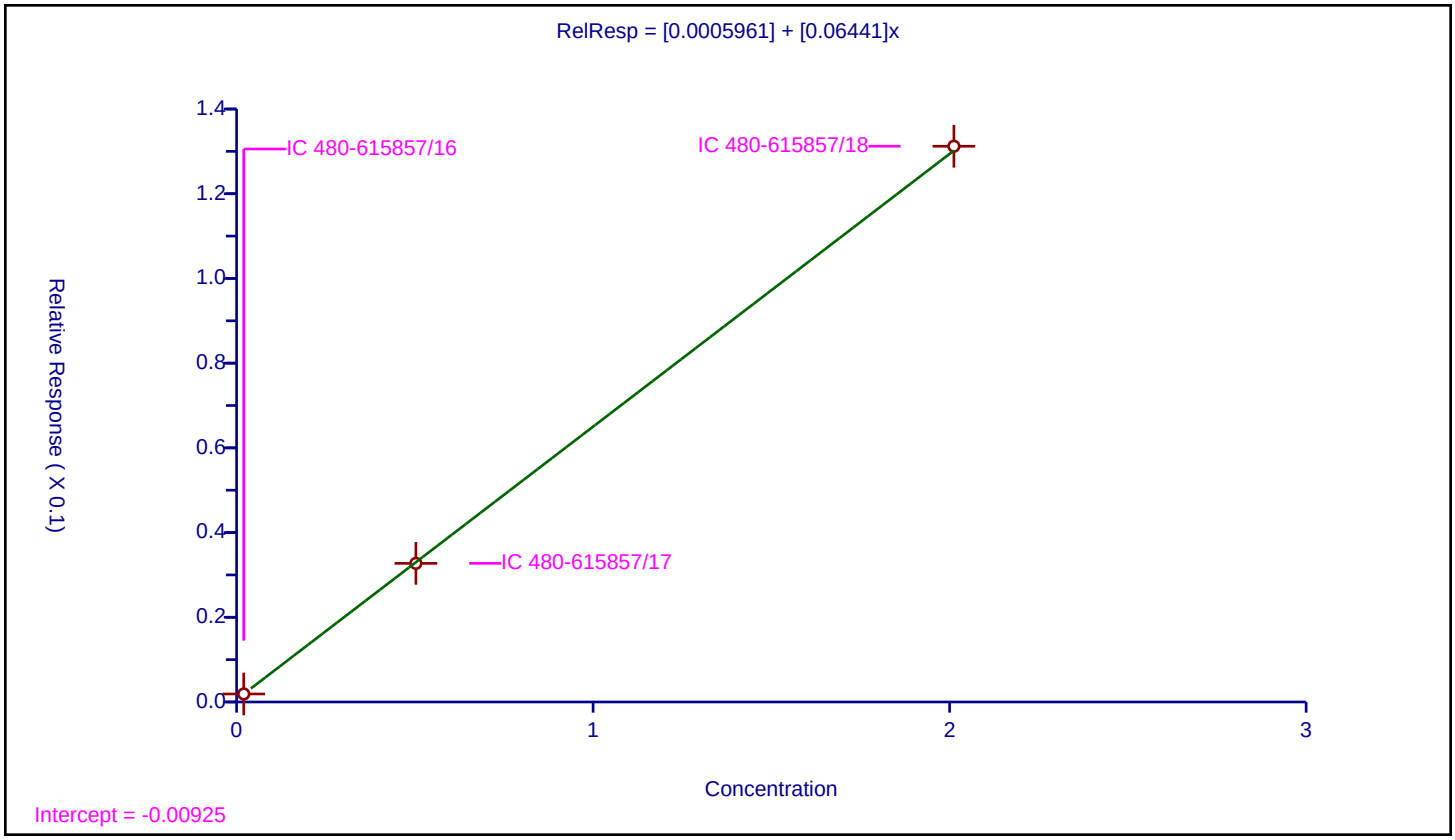
Curve Coefficients

Intercept:	0.0005961
Slope:	0.06441

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001892	0.5	6012714.0	0.094048	Y
2	IC 480-615857/17	0.503	0.032726	0.5	5734597.0	0.065063	Y
3	IC 480-615857/18	2.012	0.131212	0.5	5991244.0	0.065215	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

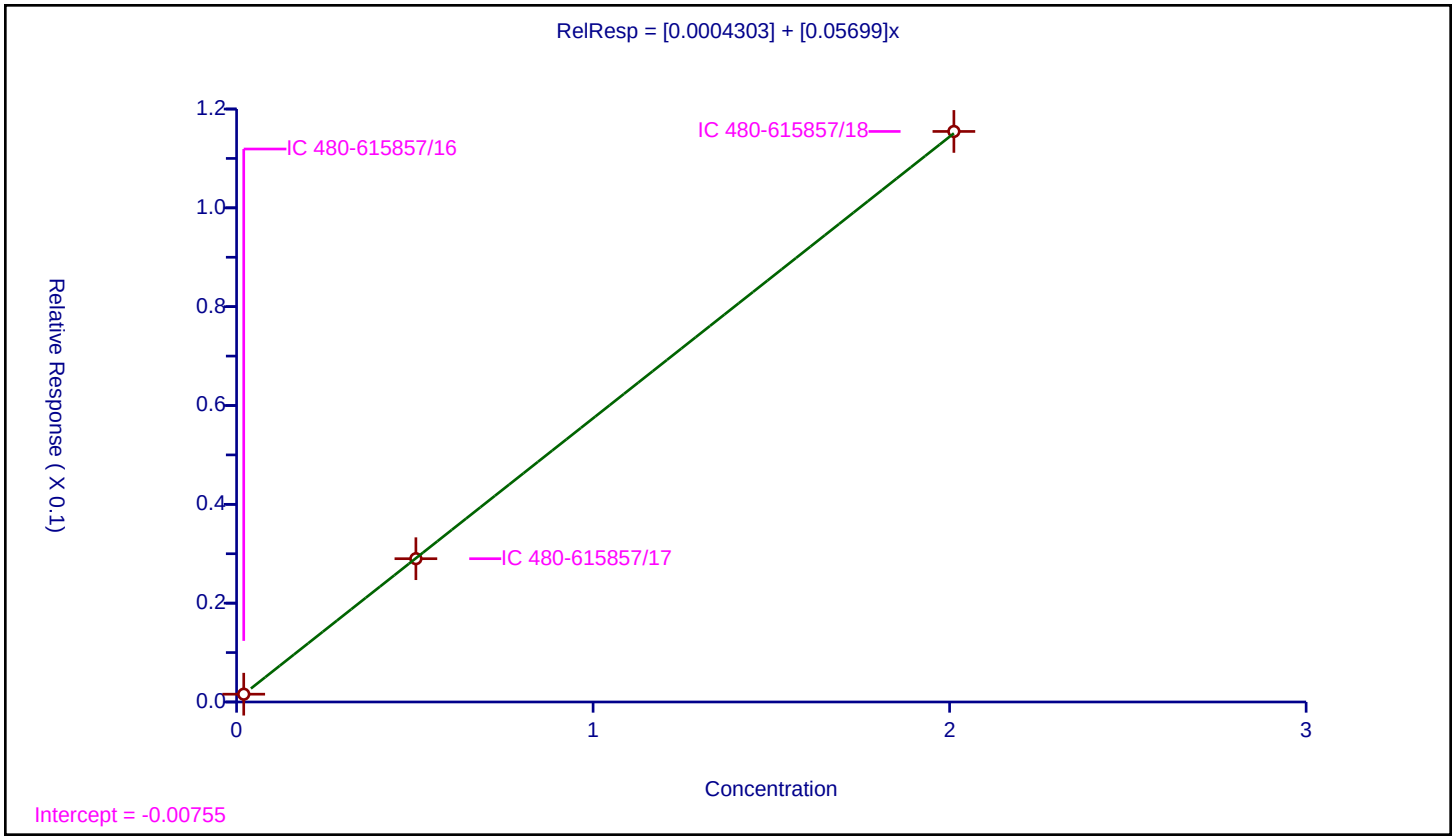
Curve Coefficients

Intercept:	0.0004303
Slope:	0.05699

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001577	0.5	6012714.0	0.078379	Y
2	IC 480-615857/17	0.503	0.028997	0.5	5734597.0	0.057648	Y
3	IC 480-615857/18	2.012	0.115464	0.5	5991244.0	0.057388	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 19:16 Calibration End Date: 02/23/2022 19:42 Calibration ID: 43141

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/16	6_104-016.D
Level 2	IC 480-615857/17	6_104-017.D
Level 3	IC 480-615857/18	6_104-018.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				B	M1	M2								
PCB-1221 Peak 1	0.0175	0.0137	0.0121			Lin2	0.0001	0.0128				7.9			0.9970		0.9900
PCB-1221 Peak 2	0.0119	0.0091	0.0077			Lin2	0.0001	0.0083				10.2			0.9950		0.9900
PCB-1221 Peak 3	0.0382	0.0280	0.0250			Lin2	0.0002	0.0262				7.2			0.9970		0.9900
PCB-1254 Peak 1	0.0575	0.0443	0.0429			Lin2	0.0003	0.0432				1.5			1.0000		0.9900
PCB-1254 Peak 2	0.0670	0.0517	0.0504			Lin2	0.0003	0.0506				1.1			1.0000		0.9900
PCB-1254 Peak 3	0.0899	0.0730	0.0670			Lin2	0.0004	0.0694				5.5			0.9980		0.9900
PCB-1254 Peak 4	0.0624	0.0488	0.0454			Lin2	0.0003	0.0467				4.4			0.9990		0.9900
PCB-1254 Peak 5	0.0656	0.0529	0.0504			Lin2	0.0003	0.0512				2.9			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 19:16 Calibration End Date: 02/23/2022 19:42 Calibration ID: 43141

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/16	6_104-016.D
Level 2	IC 480-615857/17	6_104-017.D
Level 3	IC 480-615857/18	6_104-018.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin2	4524	84320	309465			0.0201	0.502	2.01		
PCB-1221 Peak 2	BNB	Lin2	3070	55682	197580			0.0201	0.502	2.01		
PCB-1221 Peak 3	BNB	Lin2	9846	172530	637781			0.0201	0.502	2.01		
PCB-1254 Peak 1	BNB	Lin2	14863	272819	1096384			0.0201	0.503	2.01		
PCB-1254 Peak 2	BNB	Lin2	17309	318544	1288321			0.0201	0.503	2.01		
PCB-1254 Peak 3	BNB	Lin2	23215	449956	1712169			0.0201	0.503	2.01		
PCB-1254 Peak 4	BNB	Lin2	16124	300666	1160131			0.0201	0.503	2.01		
PCB-1254 Peak 5	BNB	Lin2	16932	325832	1287018			0.0201	0.503	2.01		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-016.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 19:16:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 17:04:21 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 14:53:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	6012714	0.5000	0.5000	
2	2.270	2.270	0.000	6418869	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	4569	0.0201	0.0200	
1	3.249	3.249	0.000	2883	0.0201	0.0200	
1	3.302	3.302	0.000	10386	0.0201	0.0200	
		Average of Peak Amounts =				0.0200	
2	3.379	3.379	0.000	4524	0.0201	0.0200	
2	3.504	3.504	0.000	3070	0.0201	0.0200	
2	3.566	3.566	0.000	9846	0.0201	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.04	
8 PCB-1254							
1	4.858	4.858	0.000	13728	0.0201	0.0201	
1	5.031	5.031	0.000	19713	0.0201	0.0201	
1	5.354	5.354	0.000	21809	0.0201	0.0201	
1	5.559	5.559	0.000	22755	0.0201	0.0201	
1	6.023	6.023	0.000	18964	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
2	5.185	5.185	0.000	14863	0.0201	0.0201	
2	5.262	5.262	0.000	17309	0.0201	0.0201	
2	5.709	5.709	0.000	23215	0.0201	0.0201	
2	5.849	5.849	0.000	16124	0.0201	0.0201	
2	6.429	6.429	0.000	16932	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.07	

QC Flag Legend

Processing Flags

Reagents:

21-54w/IS@.02_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 17:04:22 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-016.D

Injection Date: 23-Feb-2022 19:16:00 Instrument ID: HP6890-6 Operator ID: BufTCHROM

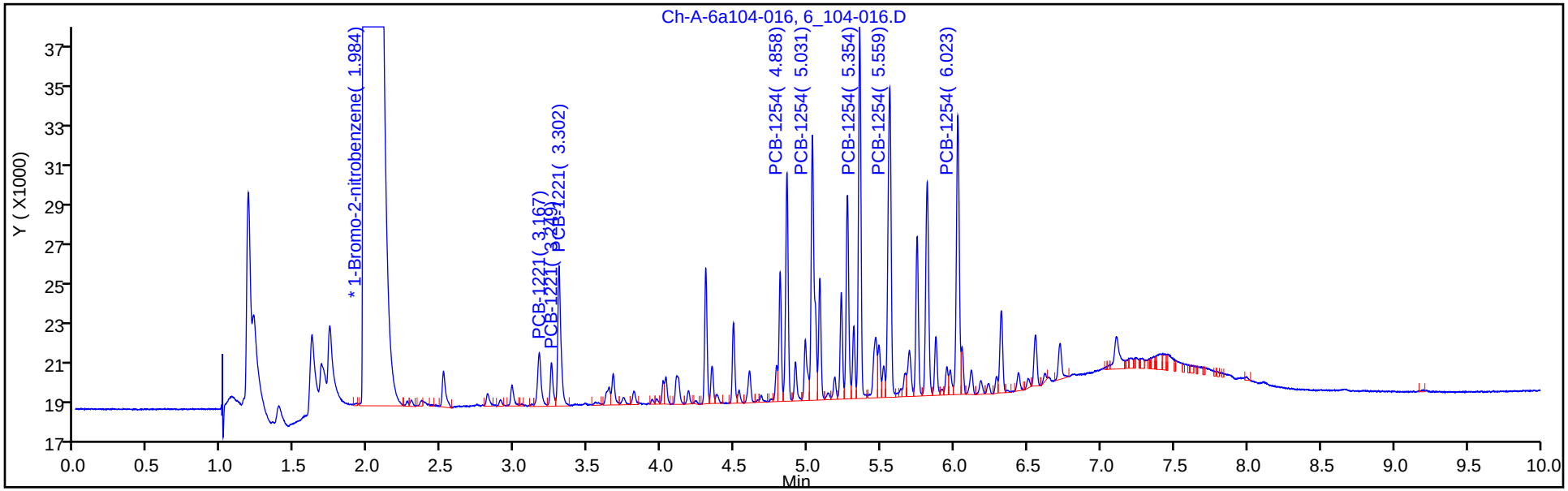
Lims ID: IC level 1 Worklist Smp#: 16

Client ID:

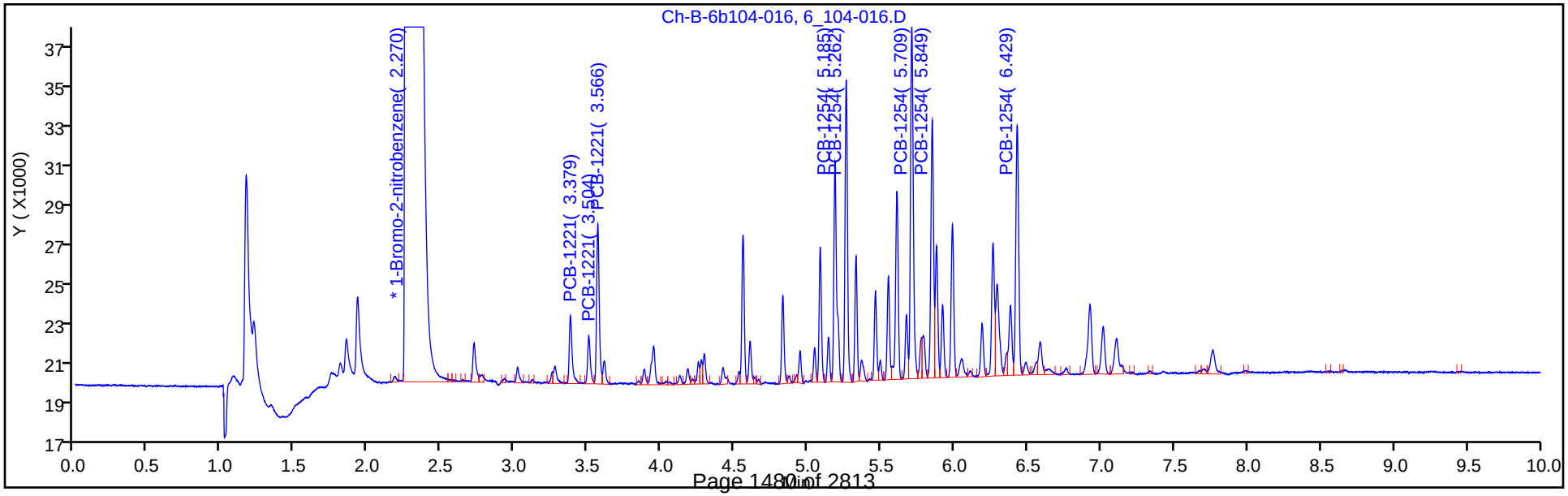
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-017.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 19:29:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:37 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:34:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5734597	0.5000	0.5000	
2	2.271	2.271	0.000	6127721	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	78181	0.5020	0.5355	
1	3.249	3.249	0.000	48766	0.5020	0.5471	
1	3.301	3.301	0.000	177727	0.5020	0.5352	
		Average of Peak Amounts =				0.5393	
2	3.380	3.380	0.000	84320	0.5020	0.5305	
2	3.506	3.506	0.000	55682	0.5020	0.5387	
2	3.567	3.567	0.000	172530	0.5020	0.5281	
		Average of Peak Amounts =				0.5324	
						RPD = 1.27	
8 PCB-1254							
1	4.858	4.858	0.000	228948	0.5030	0.5066	
1	5.031	5.031	0.000	318121	0.5030	0.5049	
1	5.353	5.353	0.000	365758	0.5030	0.5003	
1	5.558	5.558	0.000	375346	0.5030	0.4989	
1	6.023	6.023	0.000	332570	0.5030	0.5013	
		Average of Peak Amounts =				0.5024	
2	5.186	5.186	0.000	272819	0.5030	0.5085	
2	5.262	5.262	0.000	318544	0.5030	0.5069	
2	5.710	5.710	0.000	449956	0.5030	0.5228	
2	5.849	5.849	0.000	300666	0.5030	0.5189	
2	6.429	6.429	0.000	325832	0.5030	0.5133	
		Average of Peak Amounts =				0.5141	
						RPD = 2.30	

QC Flag Legend

Processing Flags

Reagents:

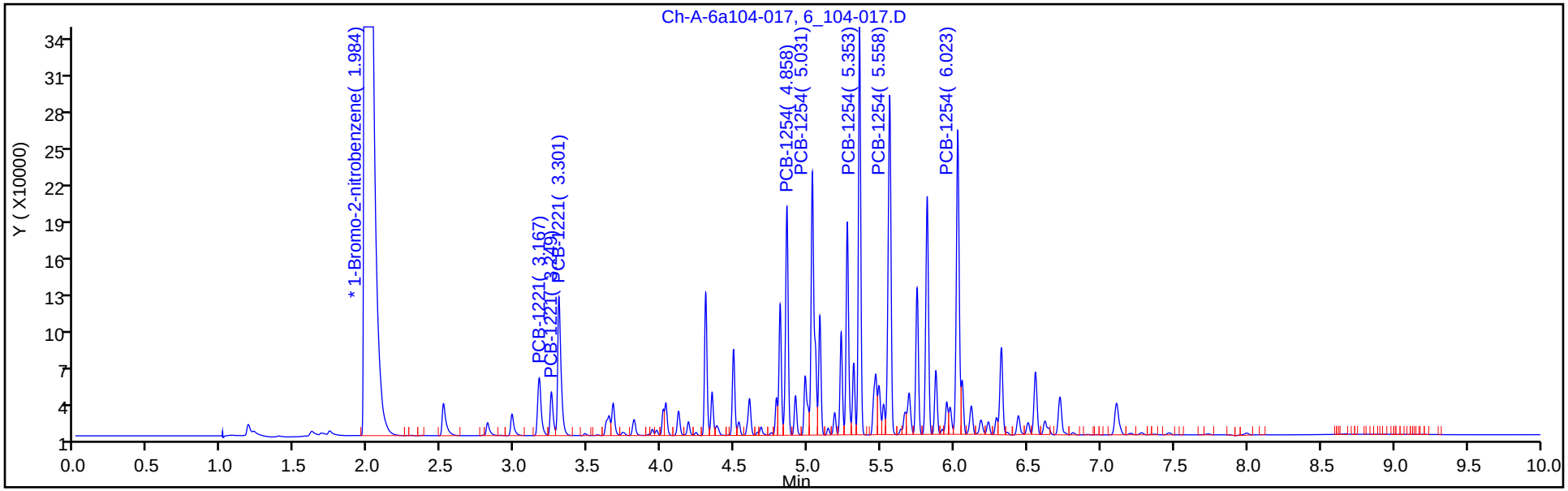
21-54w/IS@0.5_00102 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

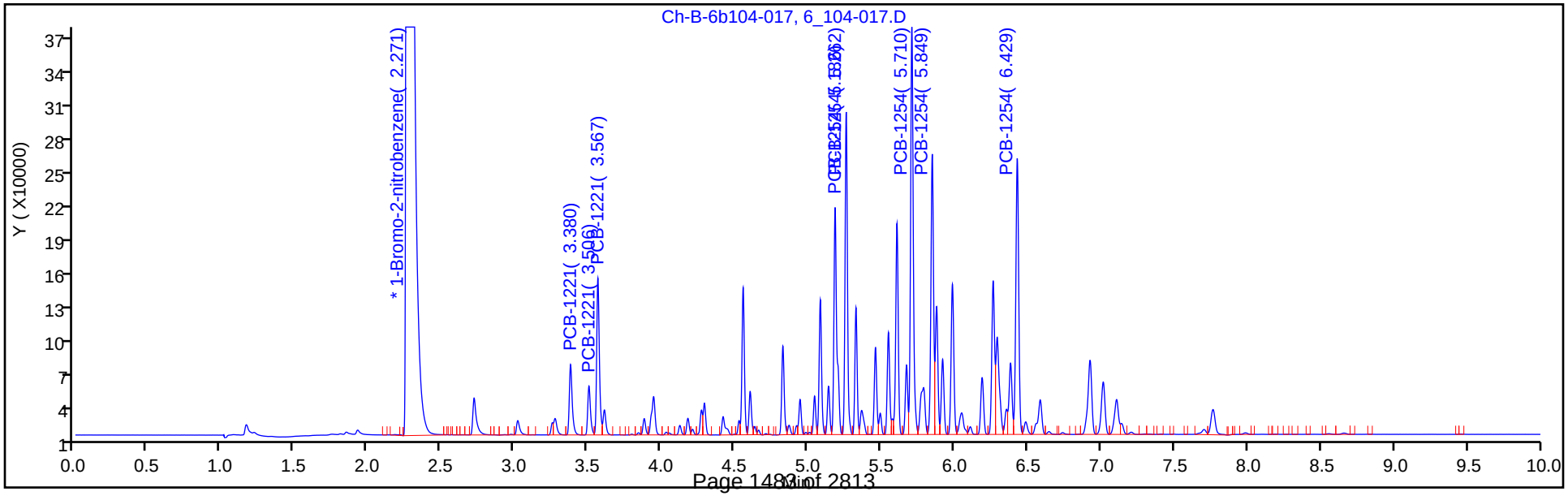
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-017.D				
Injection Date:	23-Feb-2022 19:29:14	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-018.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 19:42:25 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:39 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:43:08

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.001	5991244	0.5000	0.5000	
2	2.270	2.271	-0.001	6351806	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.165	3.167	-0.002	282528	2.01	1.88	
1	3.248	3.249	-0.001	168278	2.01	1.83	
1	3.299	3.301	-0.002	643101	2.01	1.88	
		Average of Peak Amounts =				1.86	
2	3.378	3.380	-0.002	309465	2.01	1.90	
2	3.504	3.506	-0.002	197580	2.01	1.87	
2	3.565	3.567	-0.002	637781	2.01	1.91	
		Average of Peak Amounts =				1.89	
						RPD = 1.41	
8 PCB-1254							
1	4.856	4.858	-0.002	930517	2.01	2.00	
1	5.030	5.031	-0.001	1299858	2.01	2.00	
1	5.353	5.353	0.001	1524558	2.01	2.02	
1	5.558	5.558	0.000	1572249	2.01	2.03	
1	6.023	6.023	0.000	1383542	2.01	2.02	
		Average of Peak Amounts =				2.01	
2	5.184	5.186	-0.002	1096384	2.01	1.99	
2	5.261	5.262	-0.001	1288321	2.01	2.00	
2	5.708	5.710	-0.002	1712169	2.01	1.94	
2	5.848	5.849	-0.001	1160131	2.01	1.95	
2	6.428	6.429	-0.001	1287018	2.01	1.97	
		Average of Peak Amounts =				1.97	
						RPD = 2.28	

QC Flag Legend

Processing Flags

Reagents:

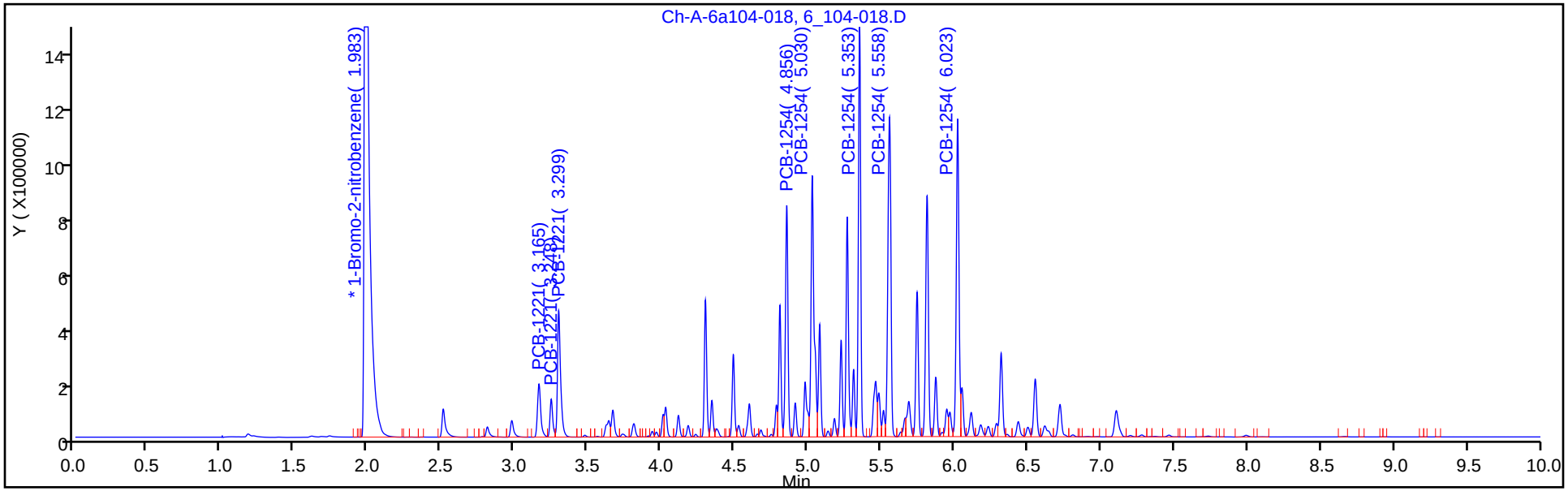
21-54w/IS@2.0_00026 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:40 Chrom Revision: 2.3 16-Feb-2022 17:52:00

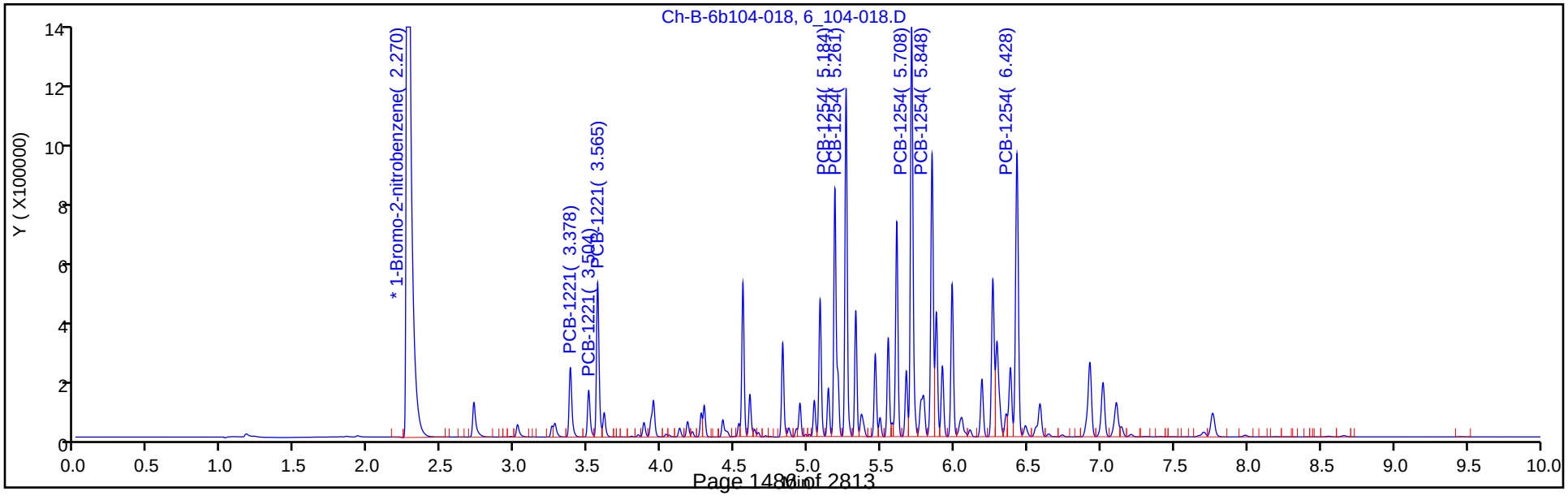
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-018.D				
Injection Date:	23-Feb-2022 19:42:25	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1221 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

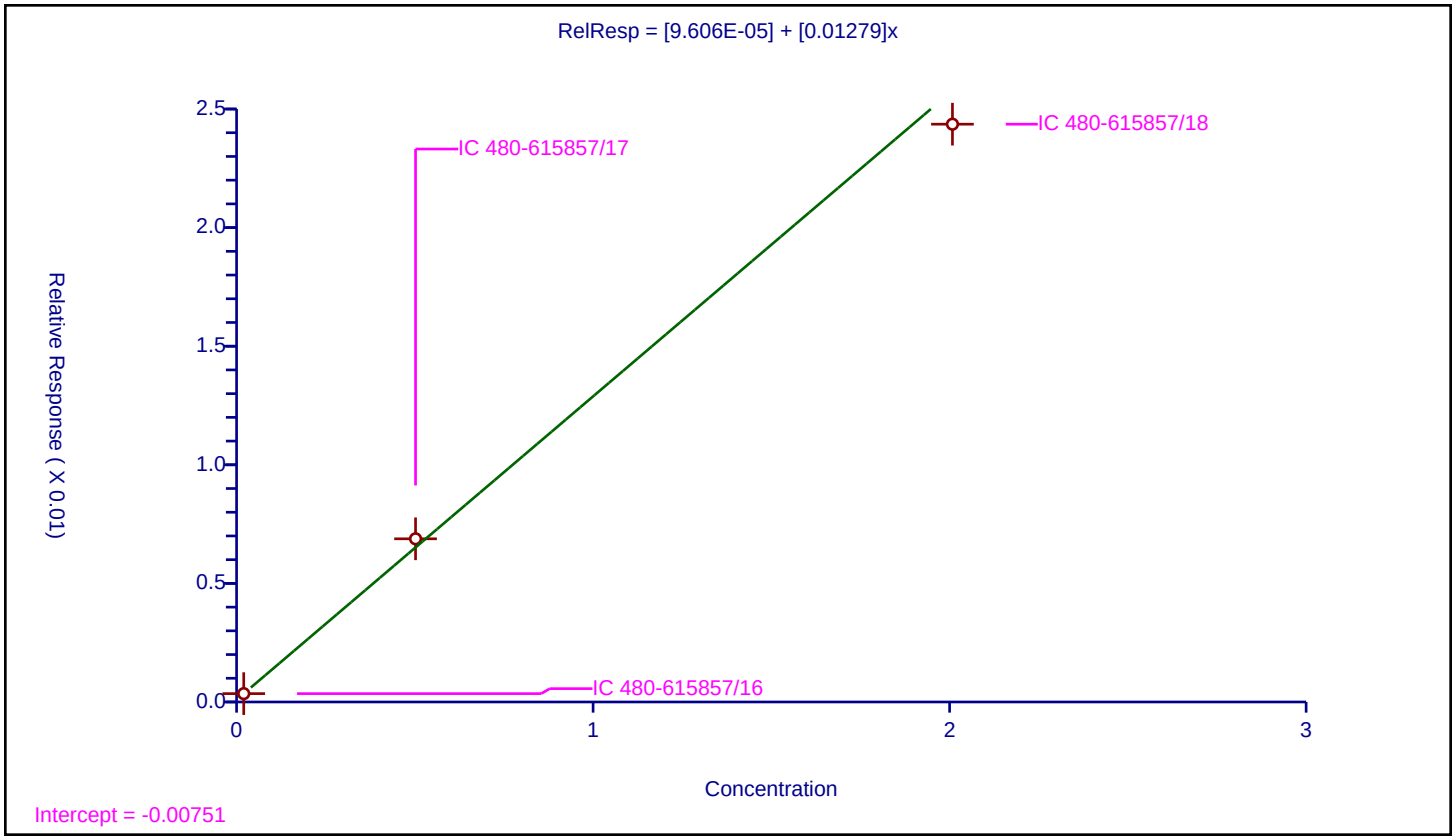
Curve Coefficients

Intercept:	9.606E-05
Slope:	0.01279

Error Coefficients

Standard Error:	321000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.000352	0.5	6418869.0	0.01755	Y
2	IC 480-615857/17	0.502	0.00688	0.5	6127721.0	0.013706	Y
3	IC 480-615857/18	2.008	0.02436	0.5	6351806.0	0.012132	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

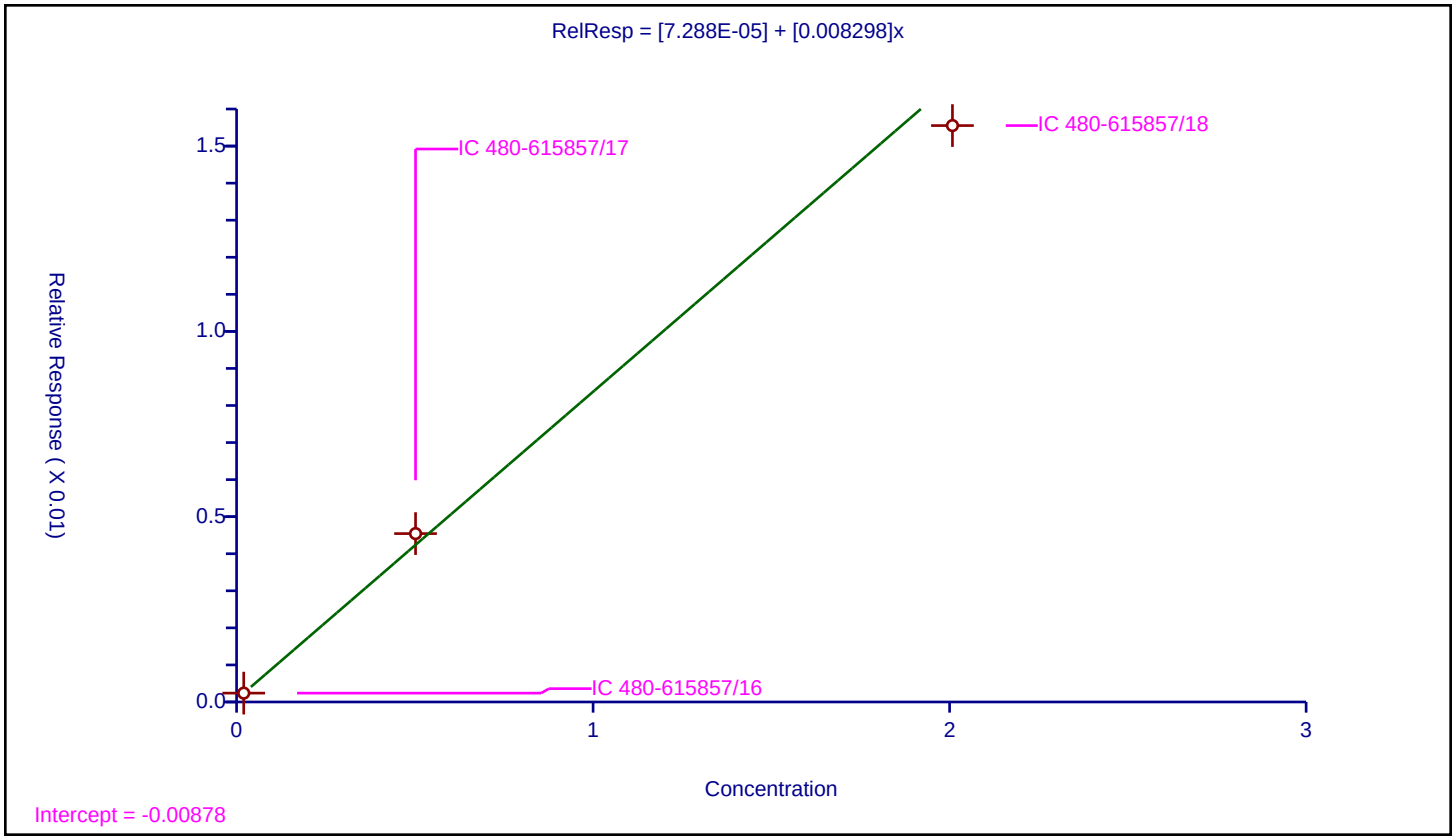
Curve Coefficients

Intercept:	7.288E-05
Slope:	0.008298

Error Coefficients

Standard Error:	205000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.000239	0.5	6418869.0	0.011909	Y
2	IC 480-615857/17	0.502	0.004543	0.5	6127721.0	0.009051	Y
3	IC 480-615857/18	2.008	0.015553	0.5	6351806.0	0.007746	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

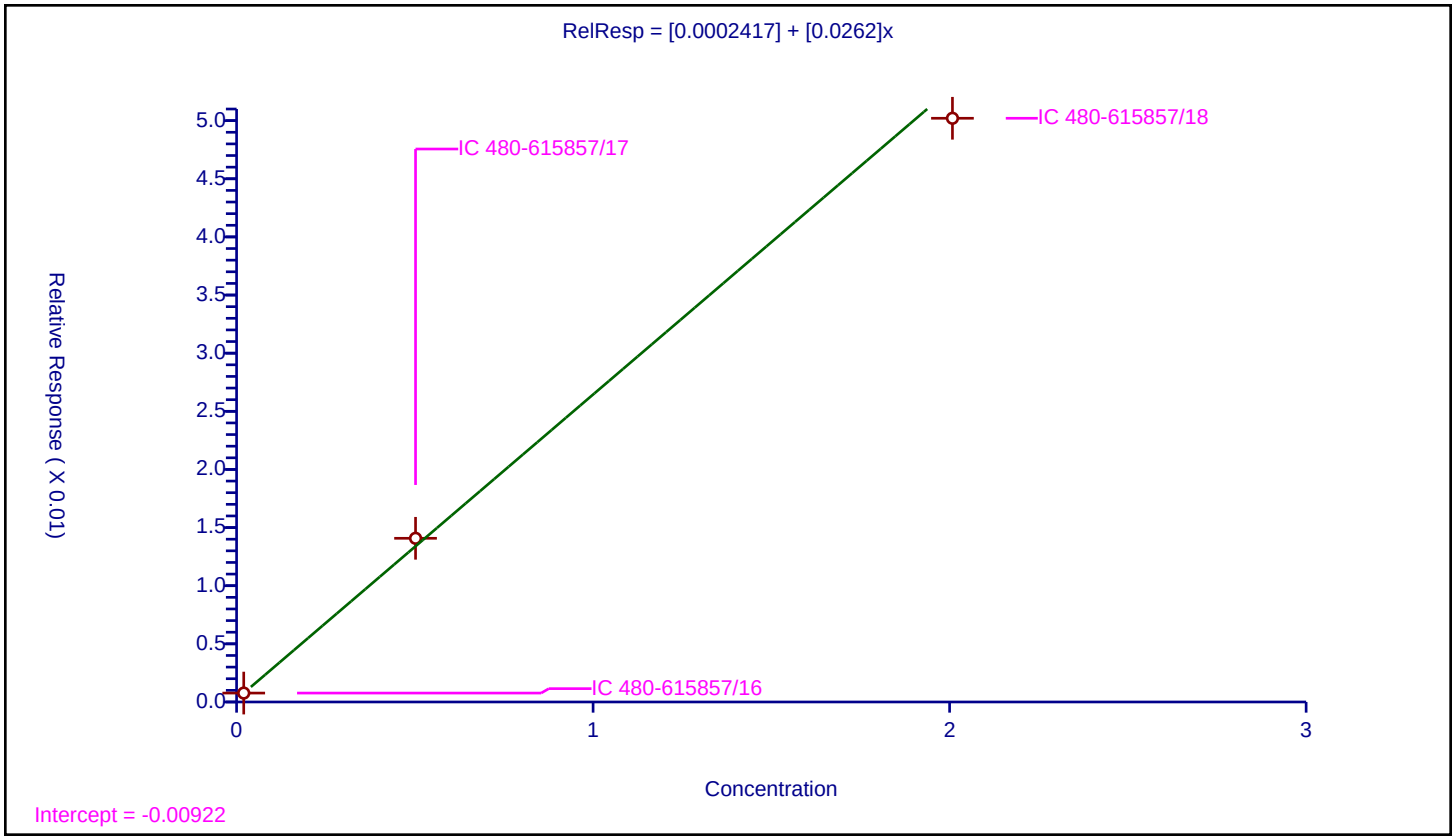
Curve Coefficients

Intercept:	0.0002417
Slope:	0.0262

Error Coefficients

Standard Error:	661000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02008	0.000767	0.5	6418869.0	0.038195	Y
2	IC 480-615857/17	0.502	0.014078	0.5	6127721.0	0.028043	Y
3	IC 480-615857/18	2.008	0.050205	0.5	6351806.0	0.025002	Y



Calibration / PCB-1254 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

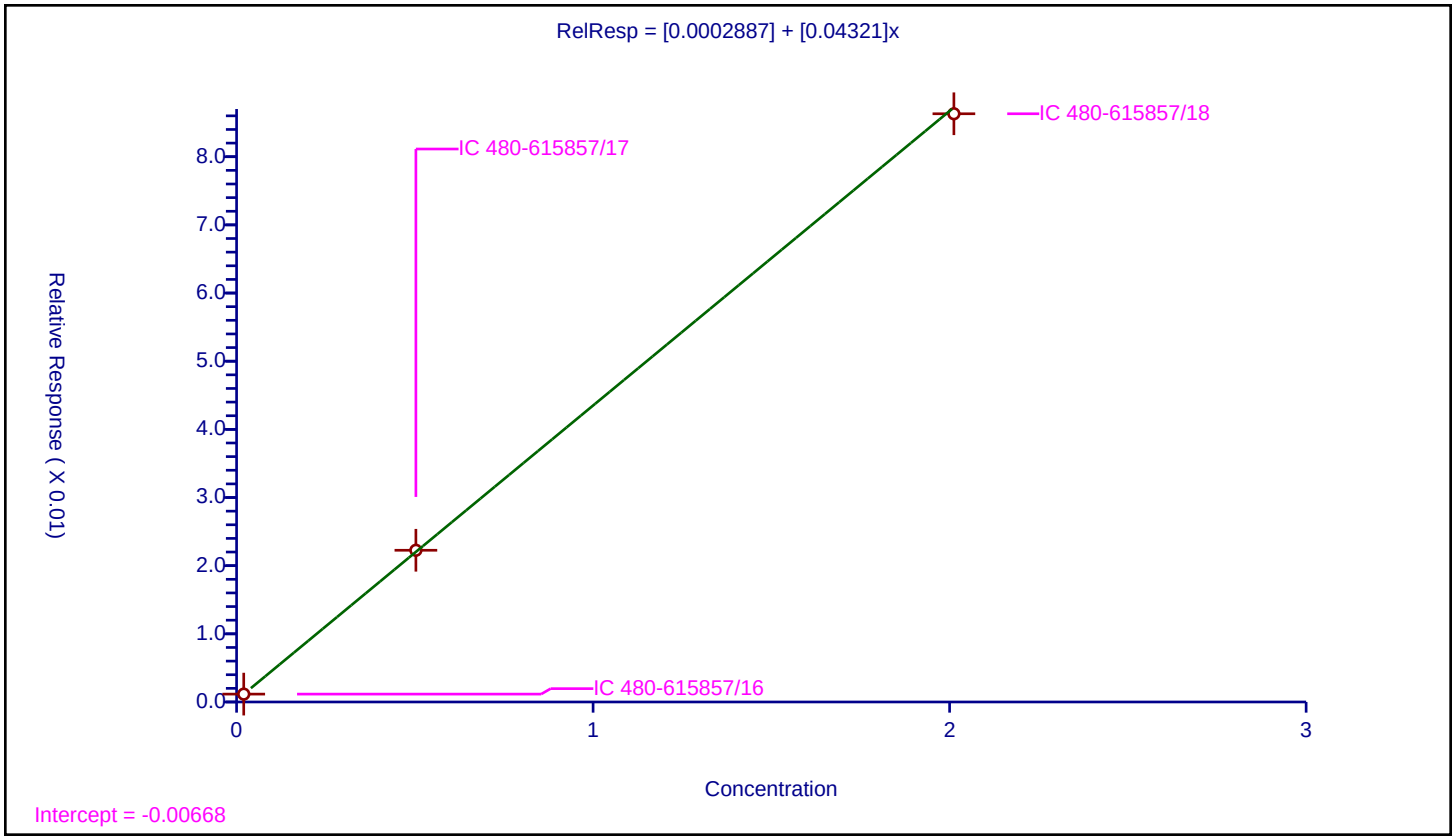
Curve Coefficients

Intercept:	0.0002887
Slope:	0.04321

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001158	0.5	6418869.0	0.057543	Y
2	IC 480-615857/17	0.503	0.022261	0.5	6127721.0	0.044257	Y
3	IC 480-615857/18	2.012	0.086305	0.5	6351806.0	0.042895	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

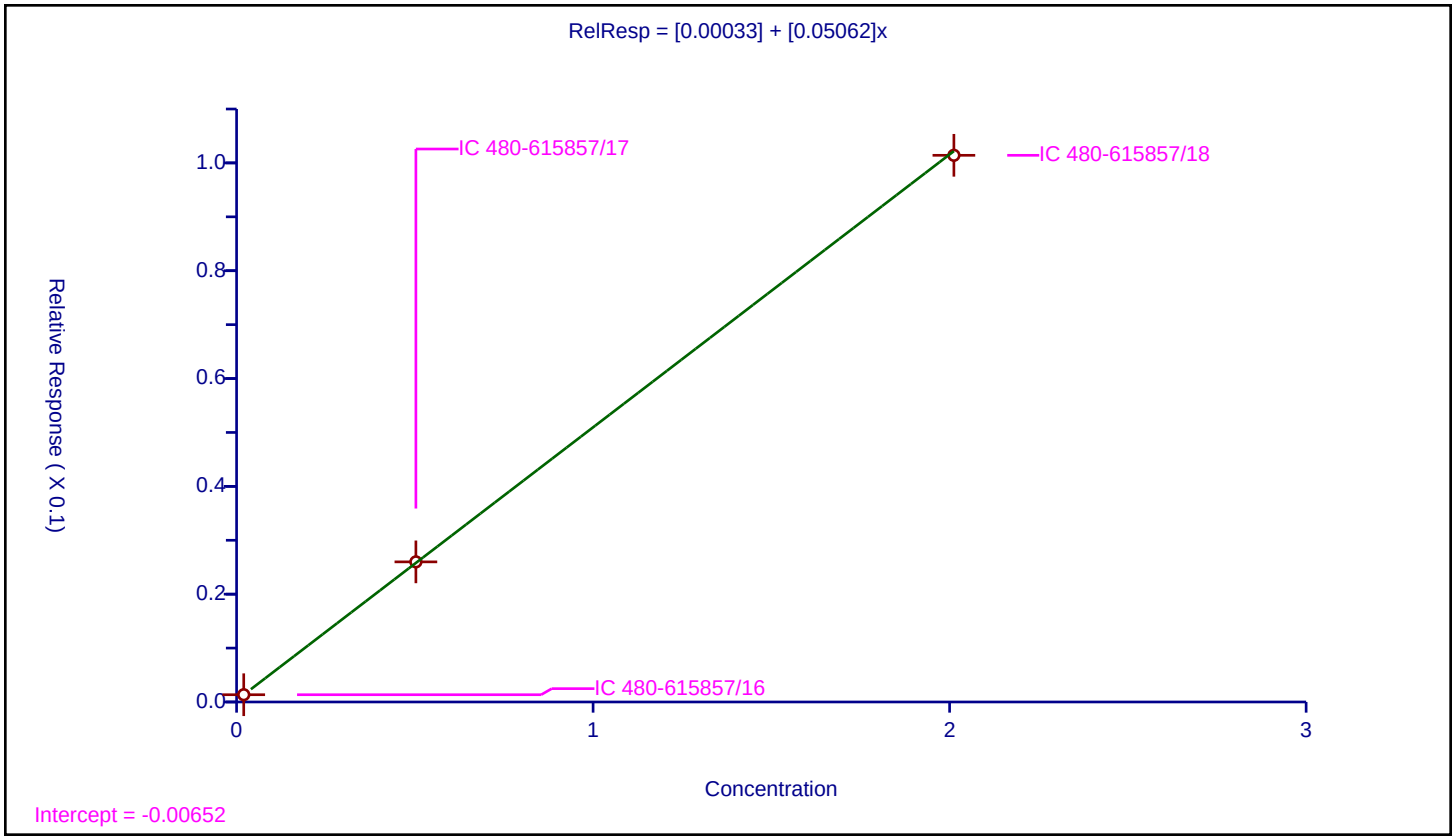
Curve Coefficients

Intercept:	0.00033
Slope:	0.05062

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001348	0.5	6418869.0	0.067012	Y
2	IC 480-615857/17	0.503	0.025992	0.5	6127721.0	0.051674	Y
3	IC 480-615857/18	2.012	0.101414	0.5	6351806.0	0.050404	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

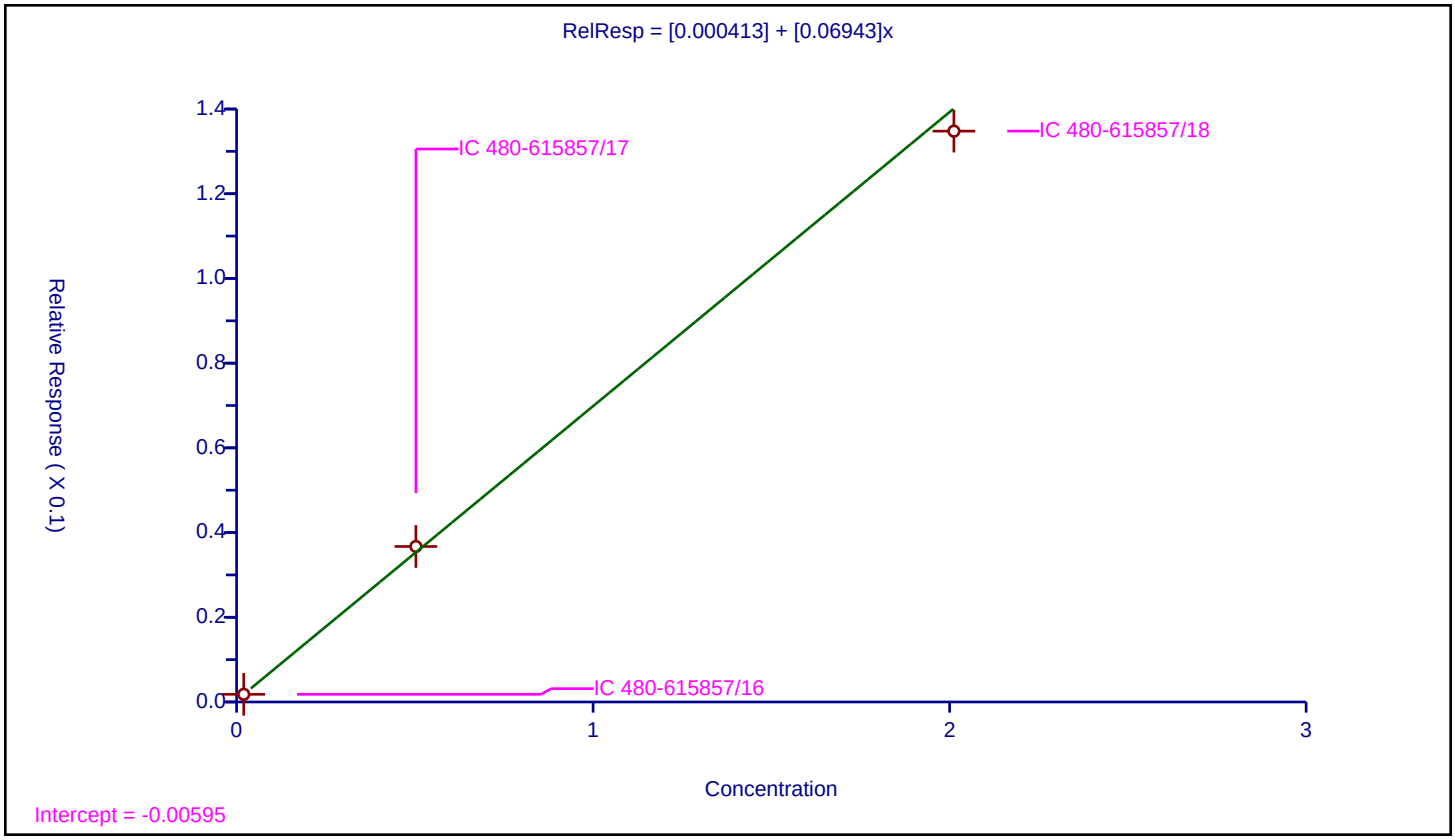
Curve Coefficients

Intercept:	0.000413
Slope:	0.06943

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001808	0.5	6418869.0	0.089878	Y
2	IC 480-615857/17	0.503	0.036715	0.5	6127721.0	0.072992	Y
3	IC 480-615857/18	2.012	0.134778	0.5	6351806.0	0.066987	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

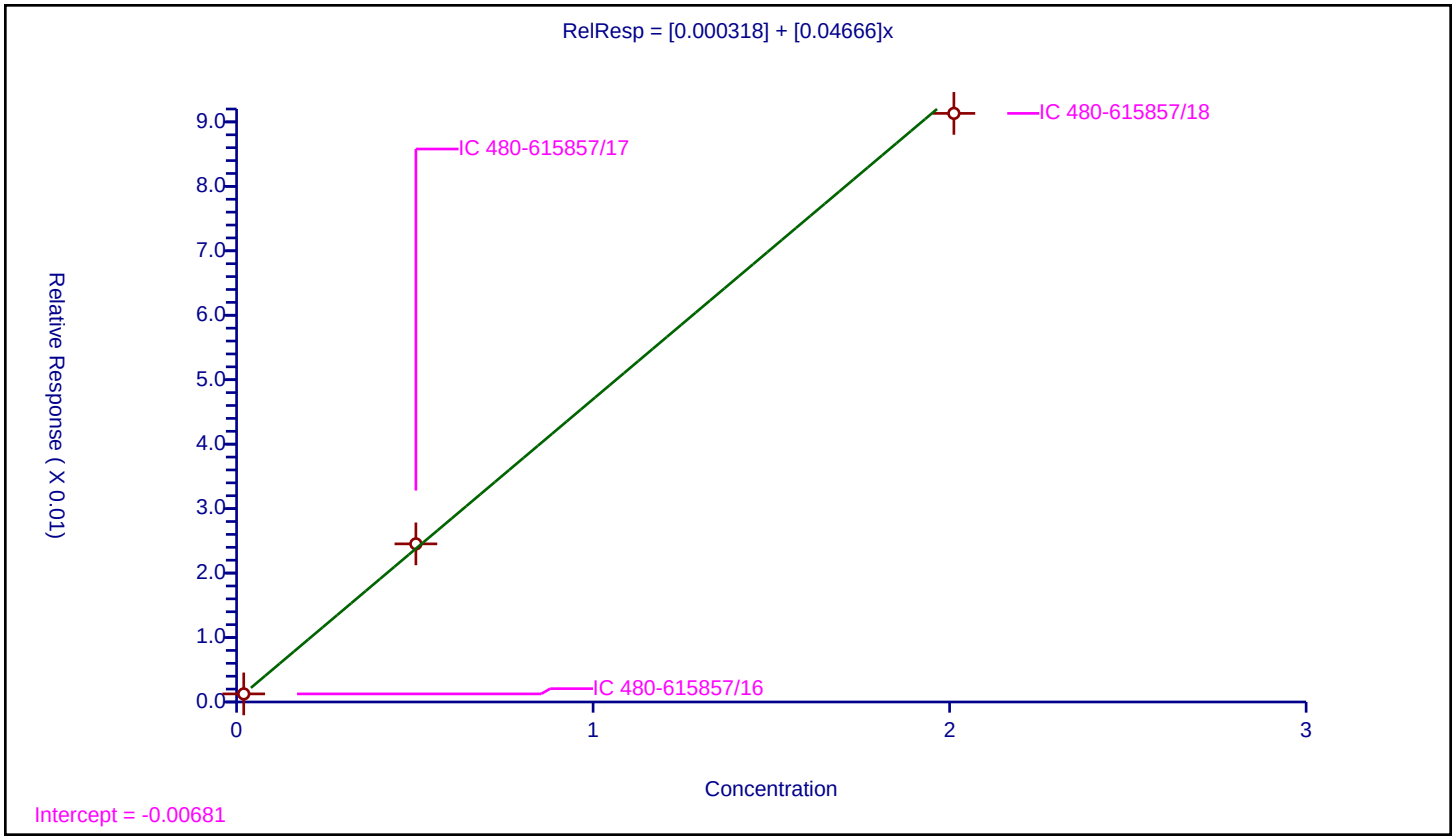
Curve Coefficients

Intercept:	0.000318
Slope:	0.04666

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001256	0.5	6418869.0	0.062425	Y
2	IC 480-615857/17	0.503	0.024533	0.5	6127721.0	0.048774	Y
3	IC 480-615857/18	2.012	0.091323	0.5	6351806.0	0.045389	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

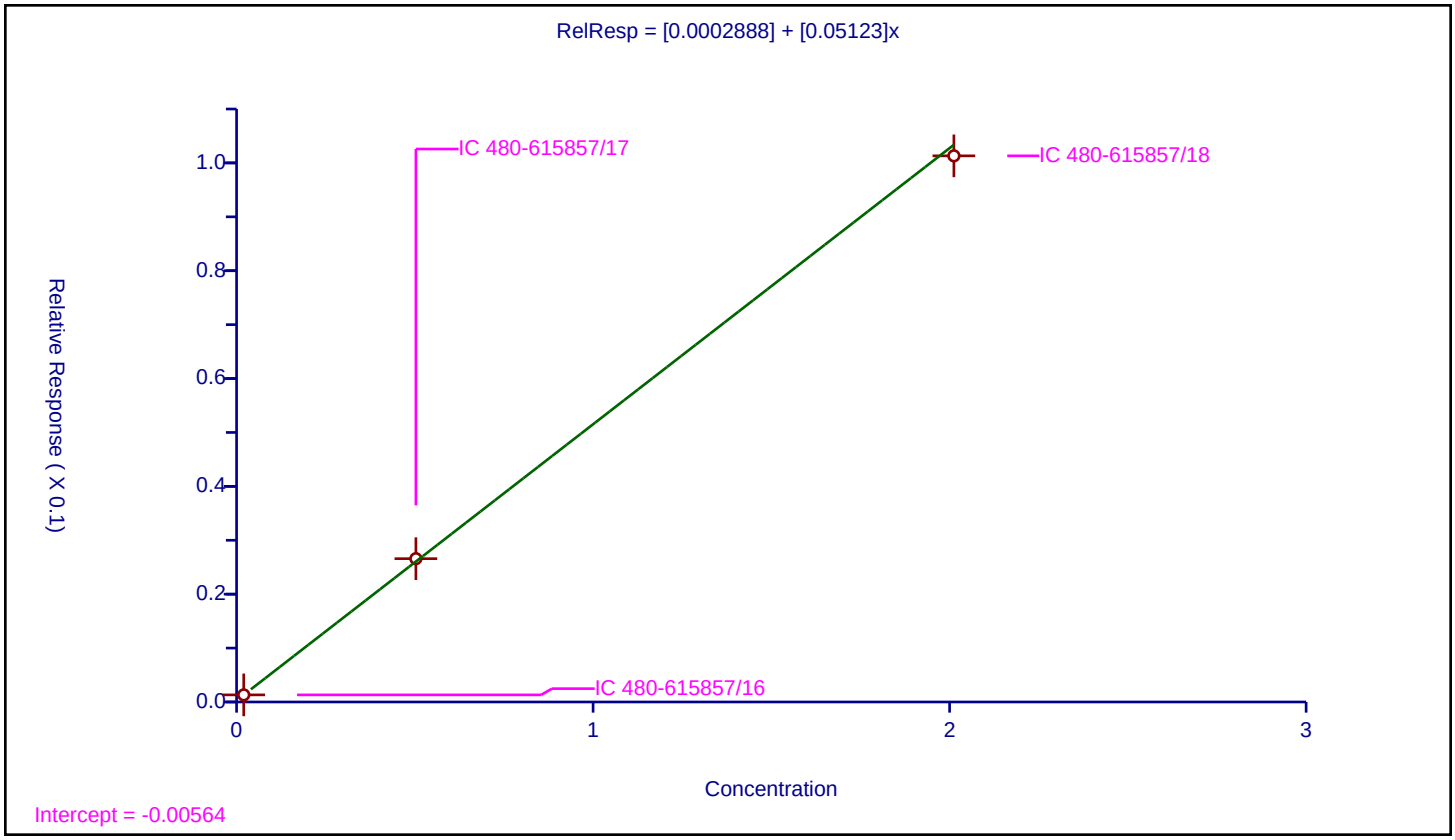
Curve Coefficients

Intercept:	0.0002888
Slope:	0.05123

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/16	0.02012	0.001319	0.5	6418869.0	0.065553	Y
2	IC 480-615857/17	0.503	0.026587	0.5	6127721.0	0.052856	Y
3	IC 480-615857/18	2.012	0.101311	0.5	6351806.0	0.050353	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 20:08 Calibration End Date: 02/23/2022 20:35 Calibration ID: 43144

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/20	6_104-020.D
Level 2	IC 480-615857/21	6_104-021.D
Level 3	IC 480-615857/22	6_104-022.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				B	M1	M2								
PCB-1232 Peak 1	0.0341	0.0253	0.0221			Lin2	0.0002	0.0234				8.7			0.9960		0.9900
PCB-1232 Peak 2	0.0182	0.0136	0.0118			Lin2	0.0001	0.0125				9.3			0.9950		0.9900
PCB-1232 Peak 3	0.0346	0.0274	0.0260			Lin2	0.0002	0.0265				3.1			0.9990		0.9900
PCB-1232 Peak 4	0.0262	0.0173	0.0159			Lin2	0.0002	0.0163				5.0			0.9990		0.9900
PCB-1232 Peak 5	0.0126	0.0095	0.0084			Lin2	0.0001	0.0088				7.6			0.9970		0.9900
PCB-1262 Peak 1	0.0573	0.0396	0.0384			Lin2	0.0004	0.0385				1.1			1.0000		0.9900
PCB-1262 Peak 2	0.0632	0.0439	0.0424			Lin2	0.0004	0.0426				1.4			1.0000		0.9900
PCB-1262 Peak 3	0.0886	0.0652	0.0633			Lin2	0.0005	0.0636				1.3			1.0000		0.9900
PCB-1262 Peak 4	0.1605	0.1310	0.1303			Lin2	0.0006	0.1299				0.1			1.0000		0.9900
PCB-1262 Peak 5	0.0810	0.0569	0.0557			Lin2	0.0005	0.0557				0.6			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 20:08 Calibration End Date: 02/23/2022 20:35 Calibration ID: 43144

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/20	6_104-020.D
Level 2	IC 480-615857/21	6_104-021.D
Level 3	IC 480-615857/22	6_104-022.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin2	8181	142073	525407			0.0202	0.505	2.02		
PCB-1232 Peak 2	BNB	Lin2	4359	76366	279839			0.0202	0.505	2.02		
PCB-1232 Peak 3	BNB	Lin2	8295	154083	618531			0.0202	0.505	2.02		
PCB-1232 Peak 4	BNB	Lin2	6279	97280	377114			0.0202	0.505	2.02		
PCB-1232 Peak 5	BNB	Lin2	3018	53206	199939			0.0202	0.505	2.02		
PCB-1262 Peak 1	BNB	Lin2	13697	221471	910223			0.0201	0.503	2.01		
PCB-1262 Peak 2	BNB	Lin2	15114	245325	1004120			0.0201	0.503	2.01		
PCB-1262 Peak 3	BNB	Lin2	21181	364602	1498709			0.0201	0.503	2.01		
PCB-1262 Peak 4	BNB	Lin2	38352	732812	3085273			0.0201	0.503	2.01		
PCB-1262 Peak 5	BNB	Lin2	19364	318362	1318779			0.0201	0.503	2.01		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-020.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 20:08:59 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:41 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:48:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5939720	0.5000	0.5000	
2	2.270	2.270	0.000	6372400	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	8181	0.0202	0.0202	
1	3.644	3.644	0.000	4359	0.0202	0.0202	
1	4.031	4.031	0.000	8295	0.0202	0.0202	
1	4.117	4.117	0.000	6279	0.0202	0.0202	
1	4.303	4.303	0.000	3018	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
2	3.566	3.566	0.000	8001	0.0202	0.0202	
2	3.933	3.933	0.000	8271	0.0202	0.0202	
2	4.293	4.293	0.000	8090	0.0202	0.0202	
2	4.421	4.421	0.000	5621	0.0202	0.0202	
2	4.829	4.829	0.000	5075	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
						RPD = 0.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	13697	0.0201	0.0201	
1	5.746	5.746	0.000	15114	0.0201	0.0201	
1	6.181	6.181	0.000	21181	0.0201	0.0201	
1	6.720	6.720	0.000	38352	0.0201	0.0201	
1	7.278	7.278	0.000	19364	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
2	5.878	5.878	0.000	12776	0.0201	0.0201	
2	5.987	5.987	0.000	15501	0.0201	0.0201	
2	6.487	6.487	0.000	21013	0.0201	0.0201	
2	7.108	7.108	0.000	39959	0.0201	0.0201	
2	7.672	7.672	0.000	18678	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.01	

Reagents:

32-62w/IS@.02_00021 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-020.D

Injection Date: 23-Feb-2022 20:08:59 Instrument ID: HP6890-6 Operator ID: BufTCHROM

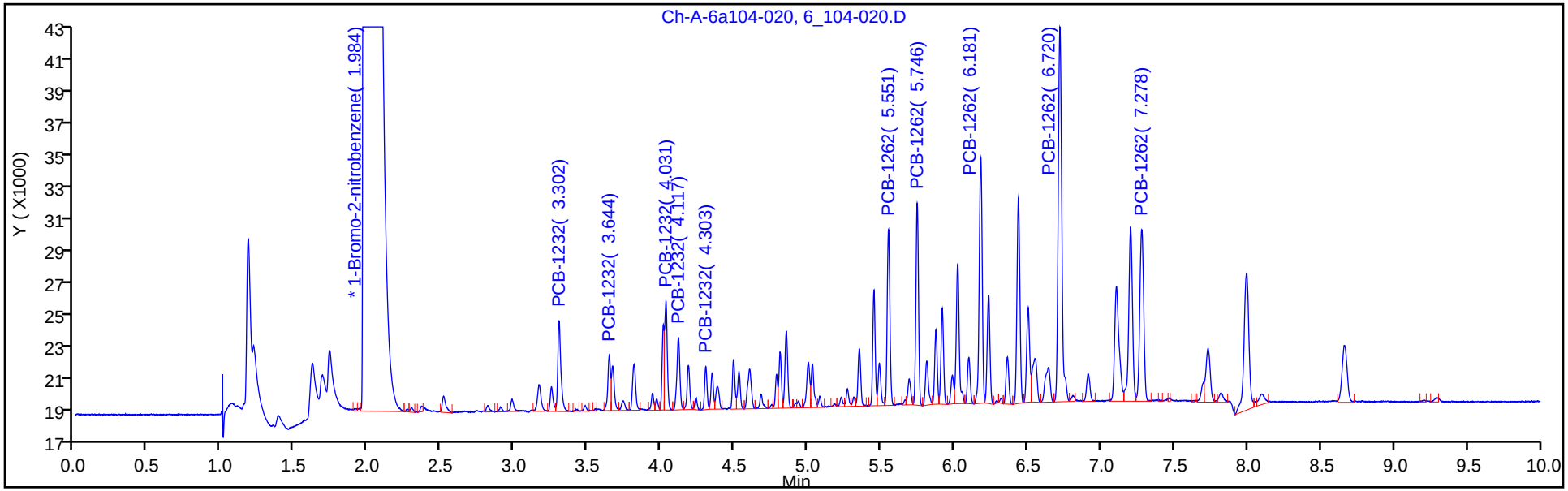
Lims ID: IC level 1 Worklist Smp#: 20

Client ID:

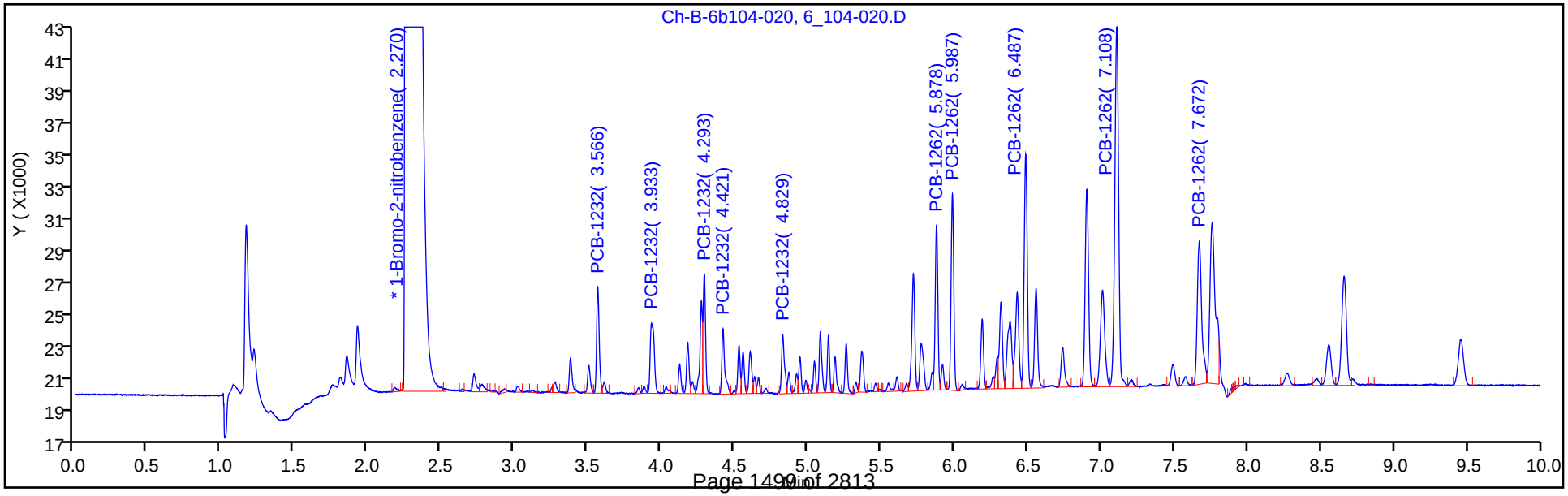
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-021.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 20:22:23 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:43 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5560330	0.5000	0.5000	
2	2.270	2.270	0.000	5962250	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	142073	0.5050	0.5365	
1	3.644	3.644	0.000	76366	0.5050	0.5389	
1	4.032	4.032	0.000	154083	0.5050	0.5164	
1	4.118	4.118	0.000	97280	0.5050	0.5232	
1	4.304	4.304	0.000	53206	0.5050	0.5326	
		Average of Peak Amounts =				0.5295	
2	3.565	3.565	0.000	142792	0.5050	0.5320	
2	3.933	3.933	0.000	146271	0.5050	0.5277	
2	4.293	4.293	0.000	156938	0.5050	0.5094	
2	4.421	4.421	0.000	105872	0.5050	0.5226	
2	4.829	4.829	0.000	93149	0.5050	0.5245	
		Average of Peak Amounts =				0.5232	
						RPD = 1.19	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	221471	0.5030	0.5069	
1	5.747	5.747	0.000	245325	0.5030	0.5080	
1	6.180	6.180	0.000	364602	0.5030	0.5075	
1	6.721	6.721	0.000	732812	0.5030	0.5026	
1	7.278	7.278	0.000	318362	0.5030	0.5051	
		Average of Peak Amounts =				0.5060	
2	5.878	5.878	0.000	232271	0.5030	0.5048	
2	5.986	5.986	0.000	280288	0.5030	0.5037	
2	6.486	6.486	0.000	391644	0.5030	0.5022	
2	7.108	7.108	0.000	825573	0.5030	0.5009	
2	7.670	7.670	0.000	354108	0.5030	0.5072	
		Average of Peak Amounts =				0.5038	
						RPD = 0.45	

Reagents:

32-62w/IS@0.5_00103 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-021.D

Injection Date: 23-Feb-2022 20:22:23 Instrument ID: HP6890-6 Operator ID: BufTCHROM

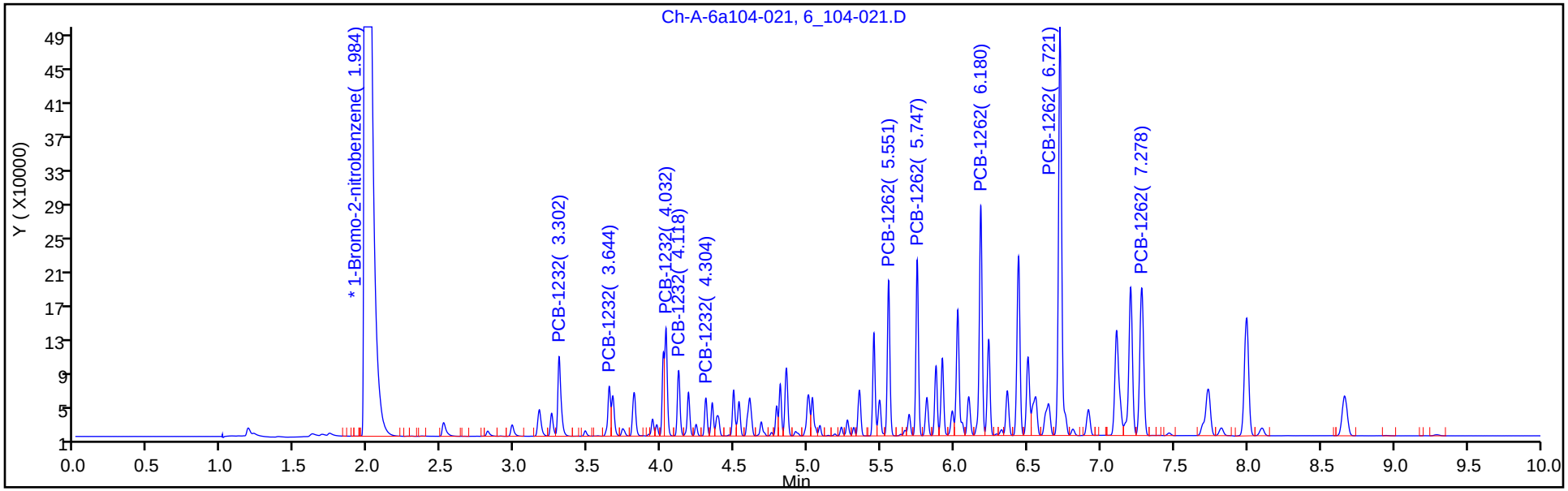
Lims ID: IC level 2 Worklist Smp#: 21

Client ID:

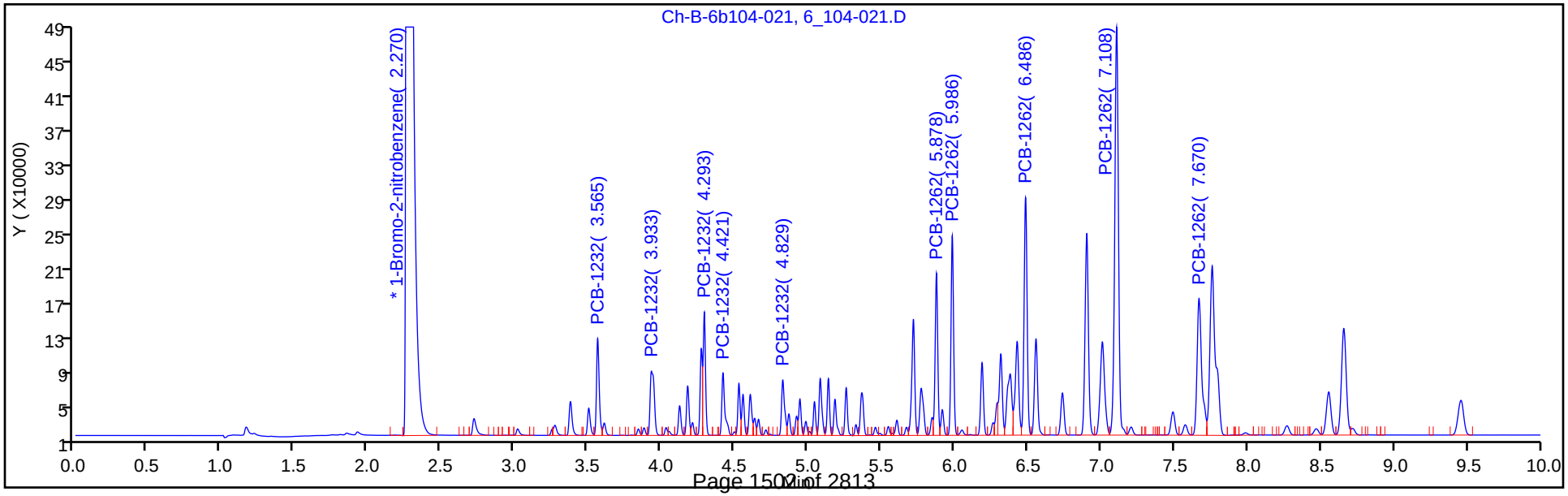
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-022.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 20:35:38 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:45 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:50:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5883976	0.5000	0.5000	
2	2.270	2.270	0.000	6294675	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	525407	2.02	1.90	
1	3.644	3.644	0.000	279839	2.02	1.89	
1	4.032	4.032	0.000	618531	2.02	1.98	
1	4.118	4.118	0.000	377114	2.02	1.95	
1	4.303	4.304	-0.001	199939	2.02	1.91	
		Average of Peak Amounts =				1.92	
2	3.566	3.565	0.001	536856	2.02	1.92	
2	3.933	3.933	0.000	559187	2.02	1.93	
2	4.294	4.293	0.001	647027	2.02	2.00	
2	4.420	4.421	-0.001	413972	2.02	1.95	
2	4.828	4.829	-0.001	361159	2.02	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 1.26	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.552	5.551	0.001	910223	2.01	2.00	
1	5.747	5.747	0.000	1004120	2.01	1.99	
1	6.181	6.180	0.001	1498709	2.01	1.99	
1	6.722	6.721	0.001	3085273	2.01	2.01	
1	7.278	7.278	0.000	1318779	2.01	2.00	
		Average of Peak Amounts =				2.00	
2	5.878	5.878	0.000	965191	2.01	2.01	
2	5.987	5.986	0.001	1169452	2.01	2.01	
2	6.486	6.486	0.000	1645957	2.01	2.02	
2	7.108	7.108	0.000	3501458	2.01	2.02	
2	7.670	7.670	0.000	1459827	2.01	2.00	
		Average of Peak Amounts =				2.01	
						RPD = 0.44	

Reagents:

32-62w/IS@2.0_00021 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:45 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-022.D

Injection Date: 23-Feb-2022 20:35:38 Instrument ID: HP6890-6 Operator ID: BufTCHROM

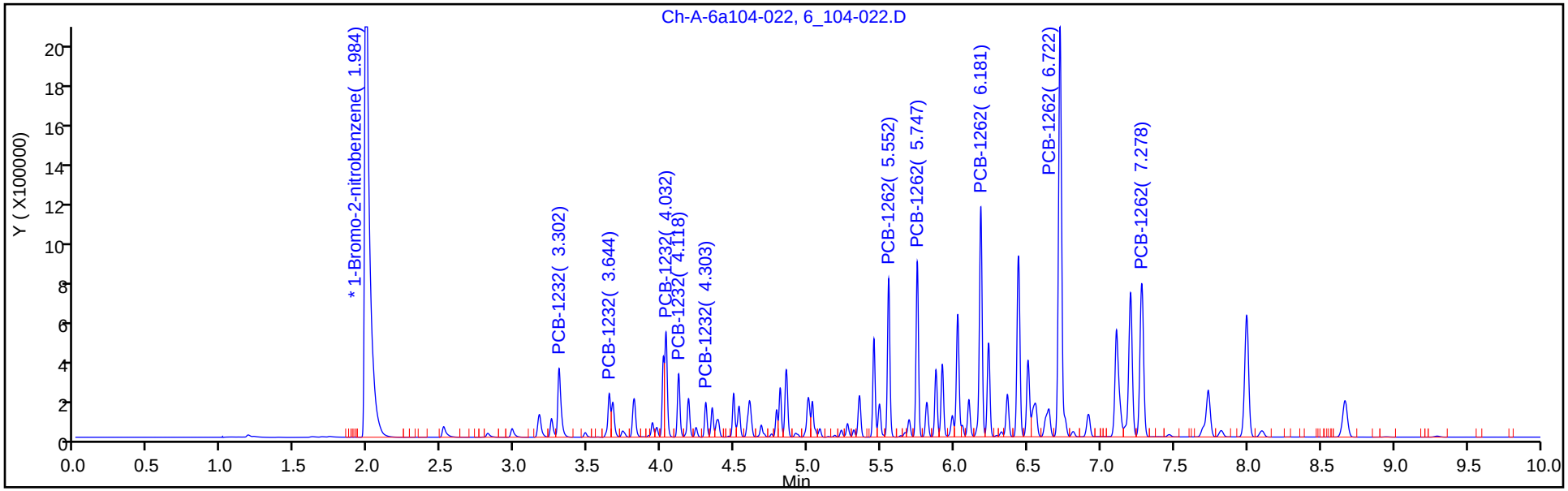
Lims ID: IC level 3 Worklist Smp#: 22

Client ID:

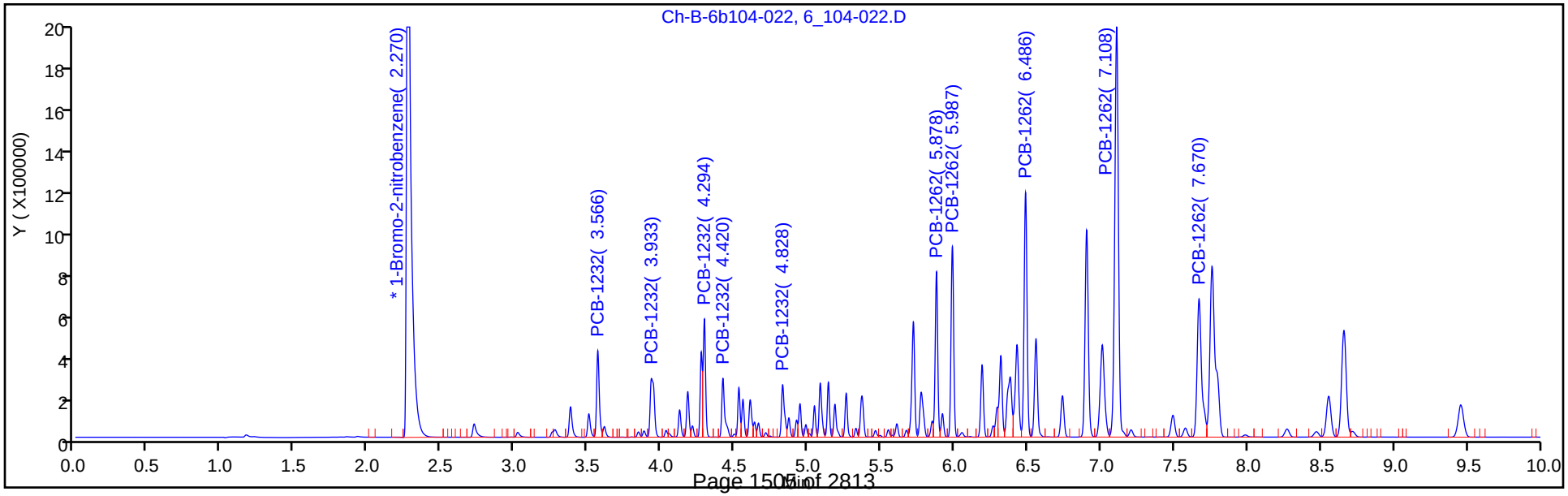
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1232 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

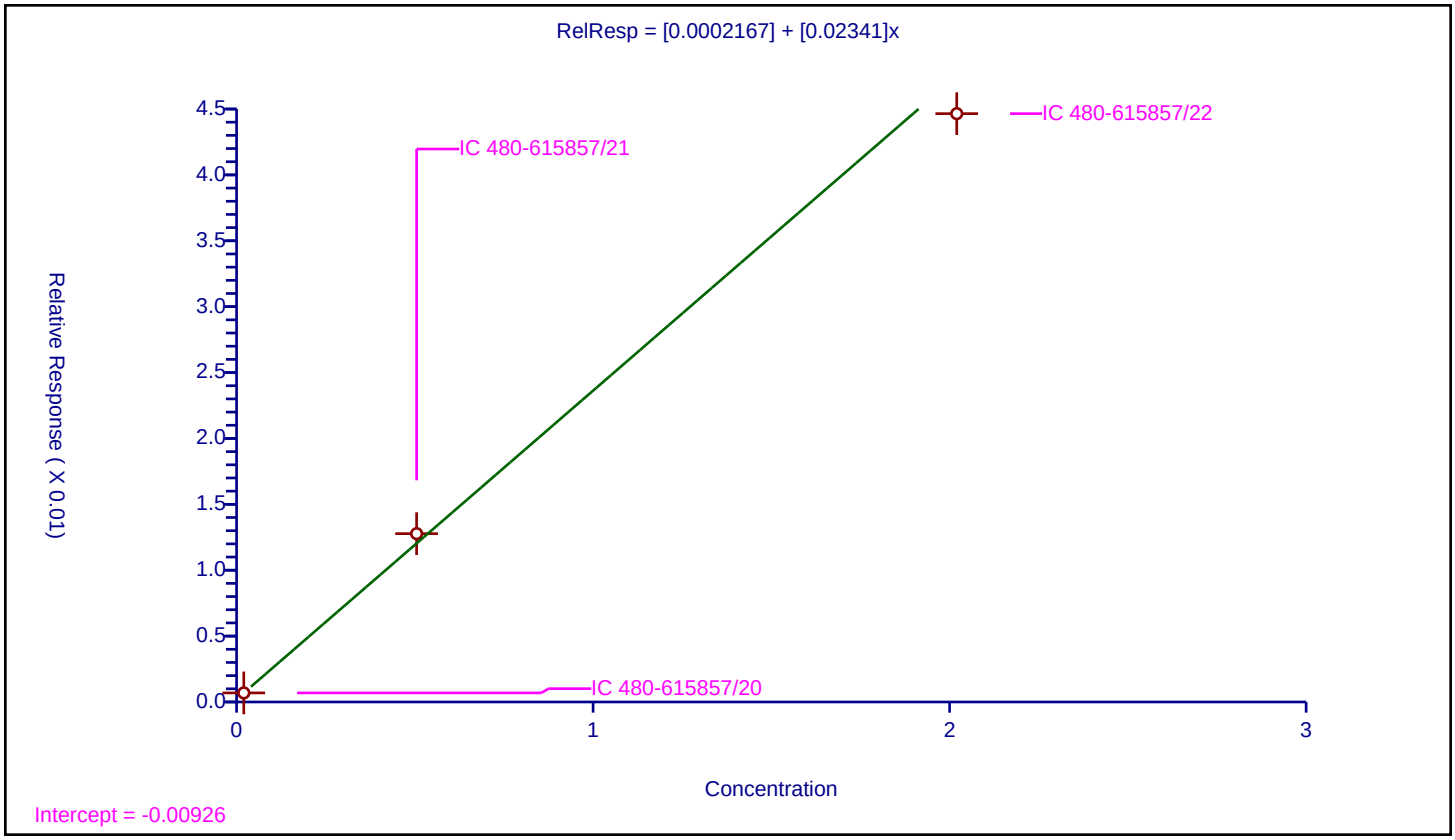
Curve Coefficients

Intercept:	0.0002167
Slope:	0.02341

Error Coefficients

Standard Error:	544000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000689	0.5	5939720.0	0.034093	Y
2	IC 480-615857/21	0.505	0.012776	0.5	5560330.0	0.025298	Y
3	IC 480-615857/22	2.02	0.044647	0.5	5883976.0	0.022103	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

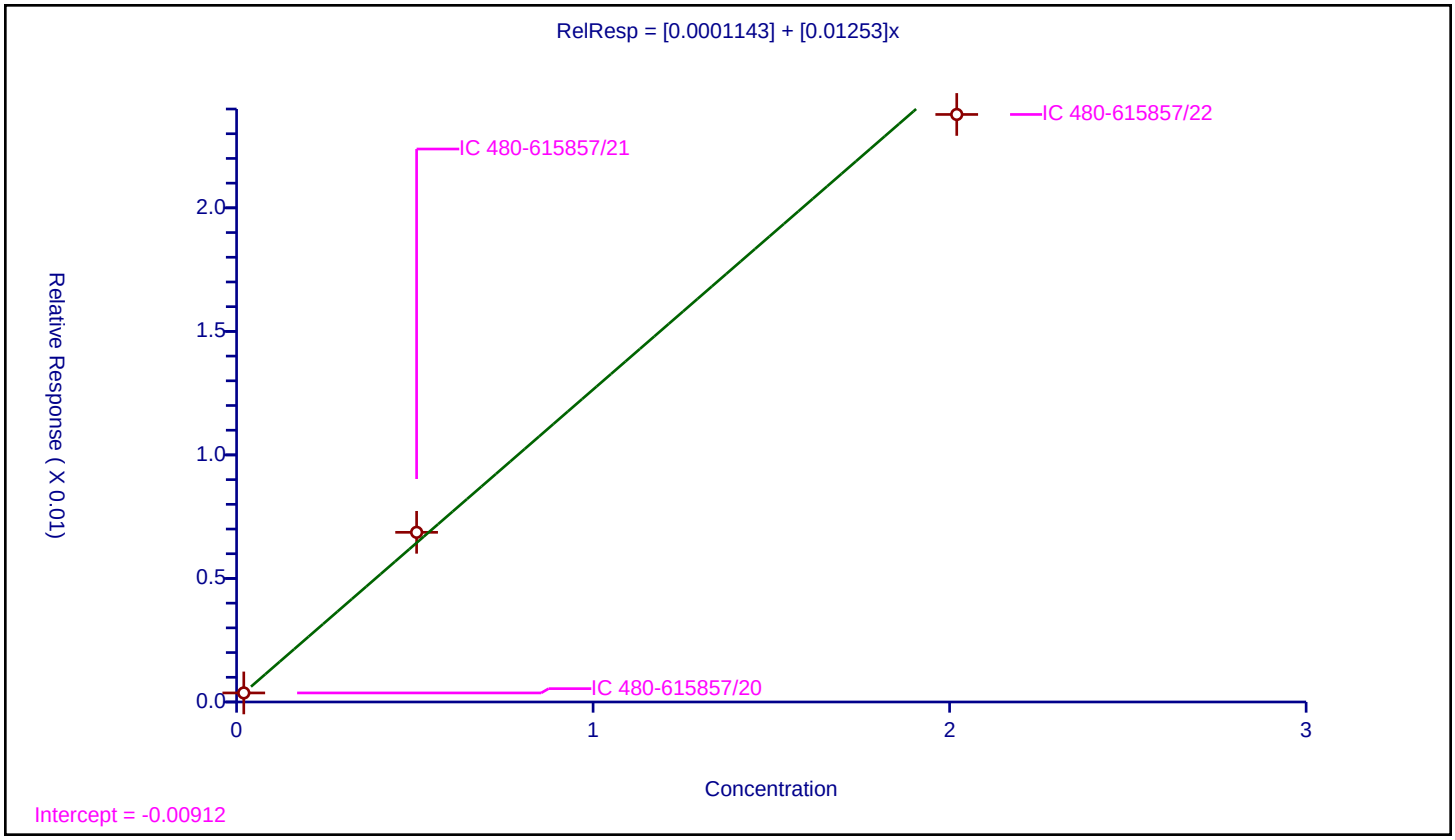
Curve Coefficients

Intercept:	0.0001143
Slope:	0.01253

Error Coefficients

Standard Error:	290000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000367	0.5	5939720.0	0.018165	Y
2	IC 480-615857/21	0.505	0.006867	0.5	5560330.0	0.013598	Y
3	IC 480-615857/22	2.02	0.02378	0.5	5883976.0	0.011772	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

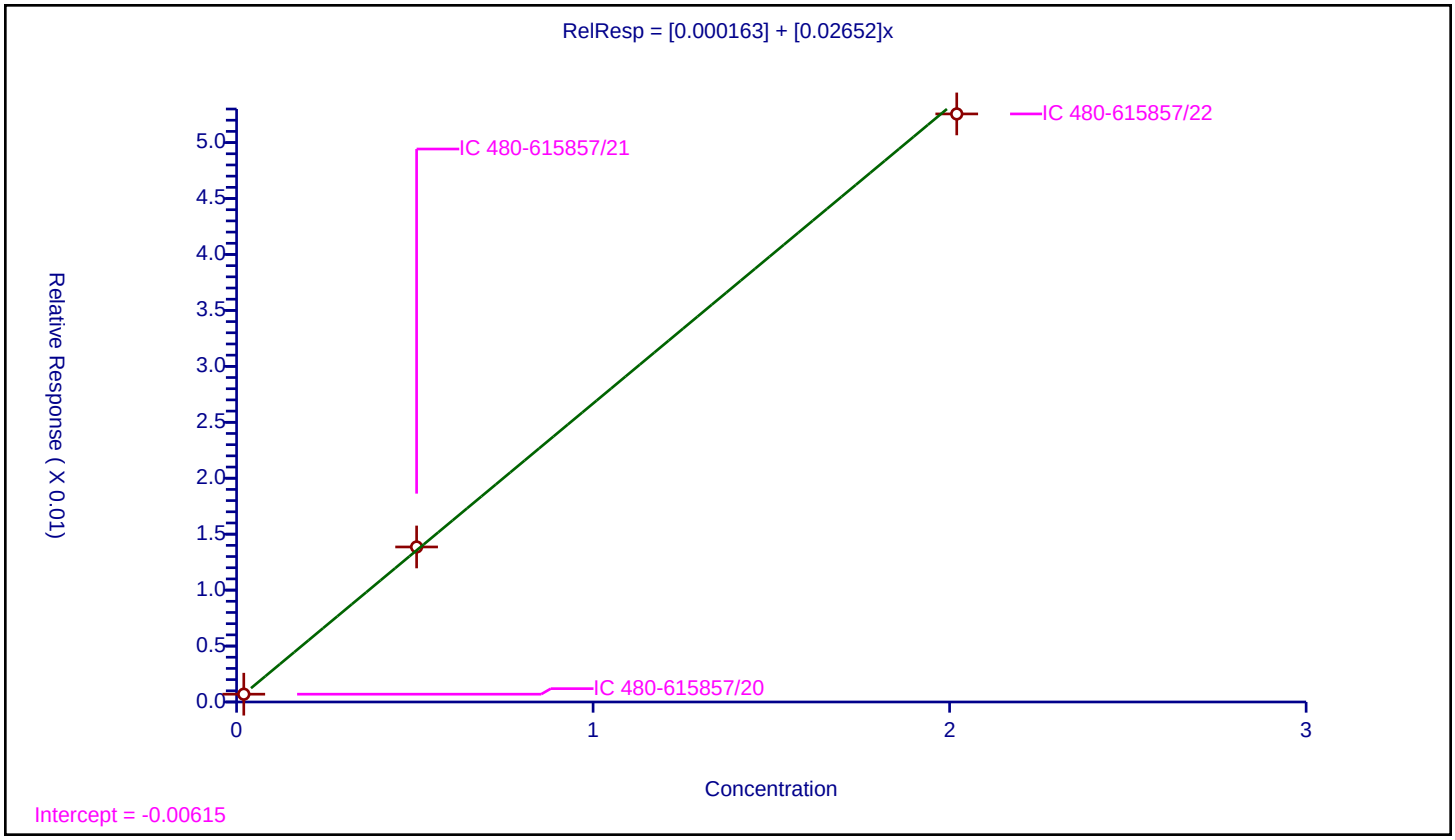
Curve Coefficients

Intercept:	0.000163
Slope:	0.02652

Error Coefficients

Standard Error:	637000
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 480-615857/20	0.0202	0.000698	0.5	5939720.0	0.034568	Y
2	IC 480-615857/21	0.505	0.013856	0.5	5560330.0	0.027437	Y
3	IC 480-615857/22	2.02	0.052561	0.5	5883976.0	0.02602	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

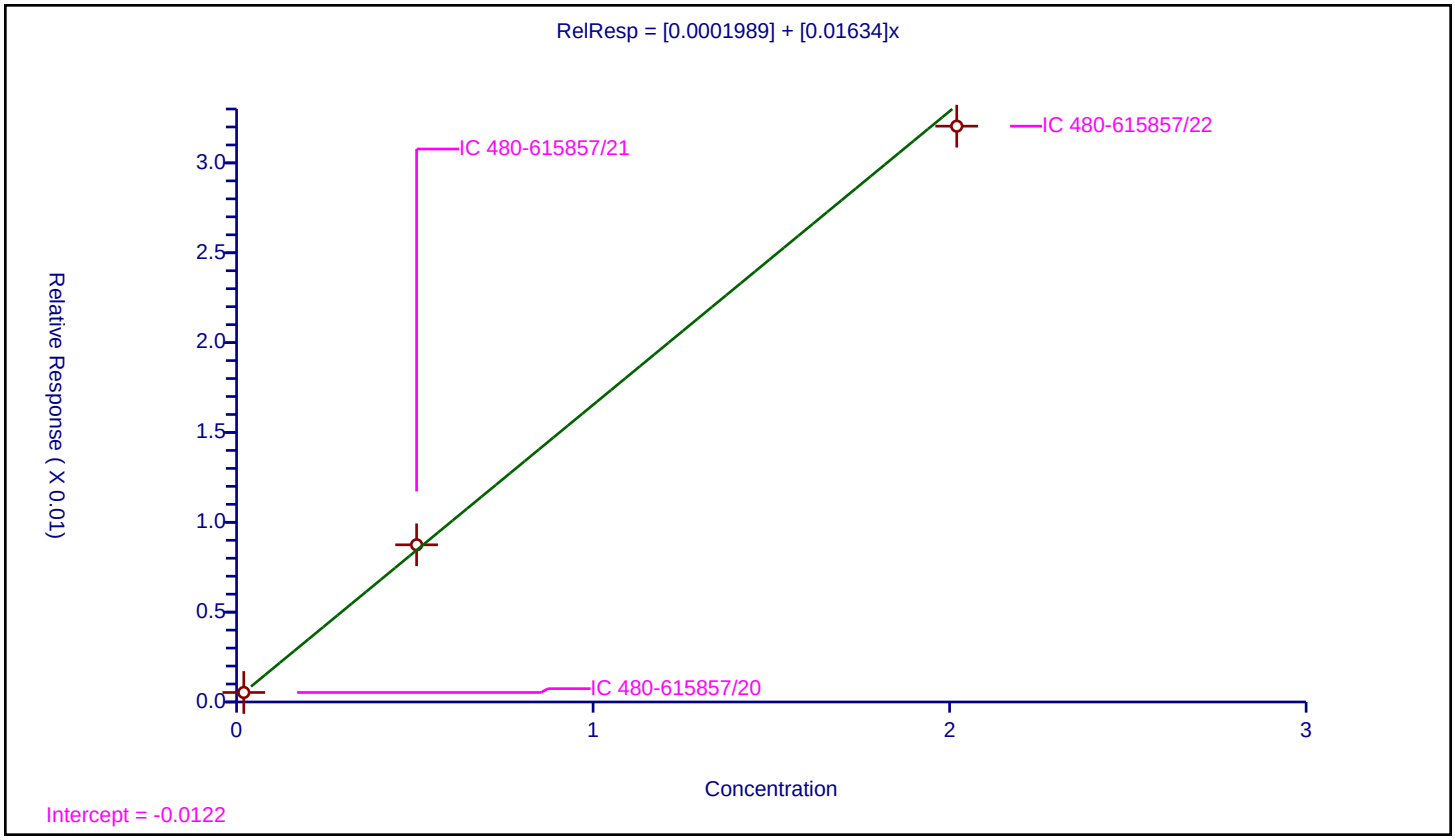
Curve Coefficients

Intercept:	0.0001989
Slope:	0.01634

Error Coefficients

Standard Error:	390000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000529	0.5	5939720.0	0.026166	Y
2	IC 480-615857/21	0.505	0.008748	0.5	5560330.0	0.017322	Y
3	IC 480-615857/22	2.02	0.032046	0.5	5883976.0	0.015864	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

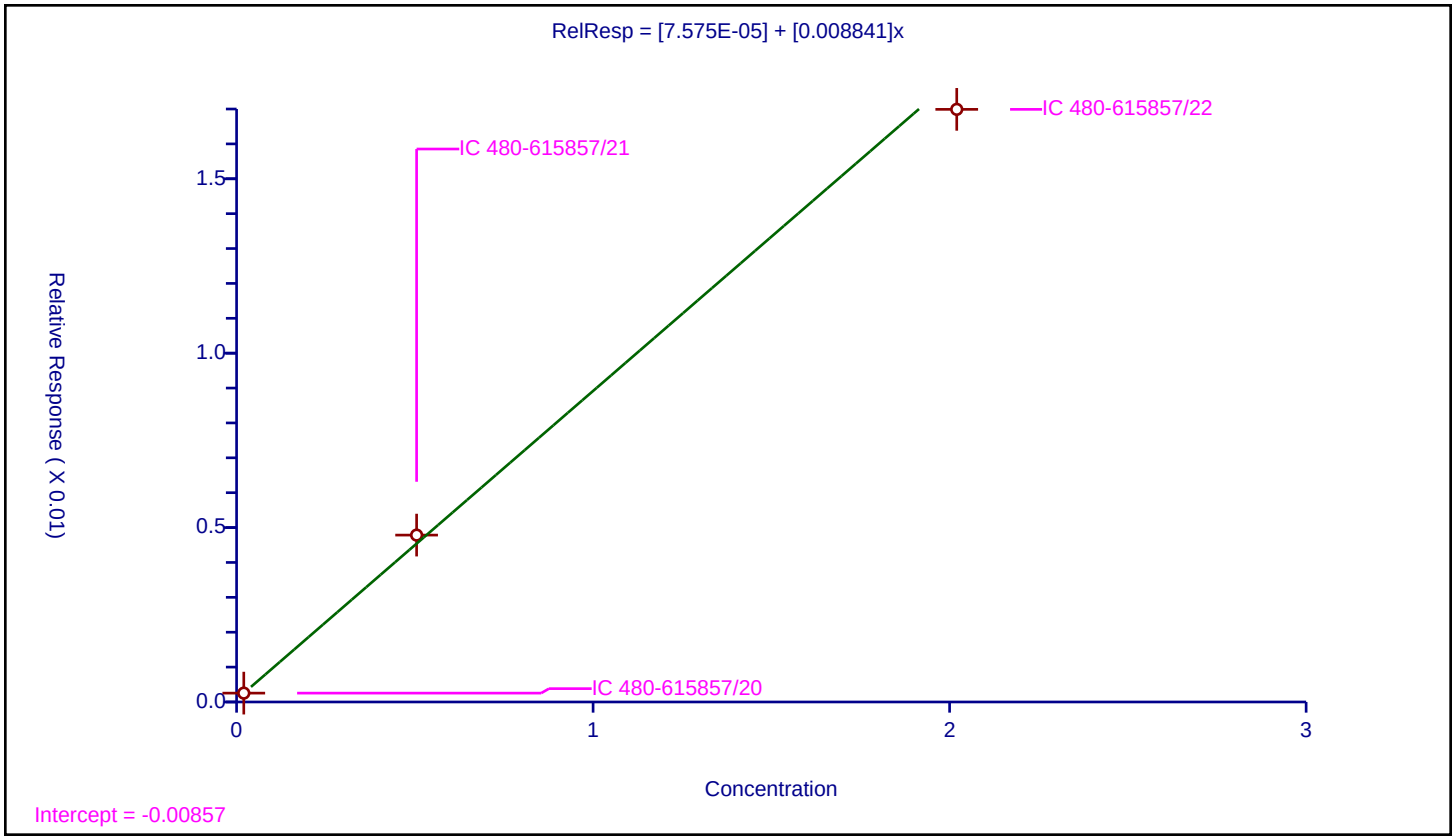
Curve Coefficients

Intercept:	7.575E-05
Slope:	0.008841

Error Coefficients

Standard Error:	207000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000254	0.5	5939720.0	0.012577	Y
2	IC 480-615857/21	0.505	0.004784	0.5	5560330.0	0.009474	Y
3	IC 480-615857/22	2.02	0.01699	0.5	5883976.0	0.008411	Y



Calibration / PCB-1262 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

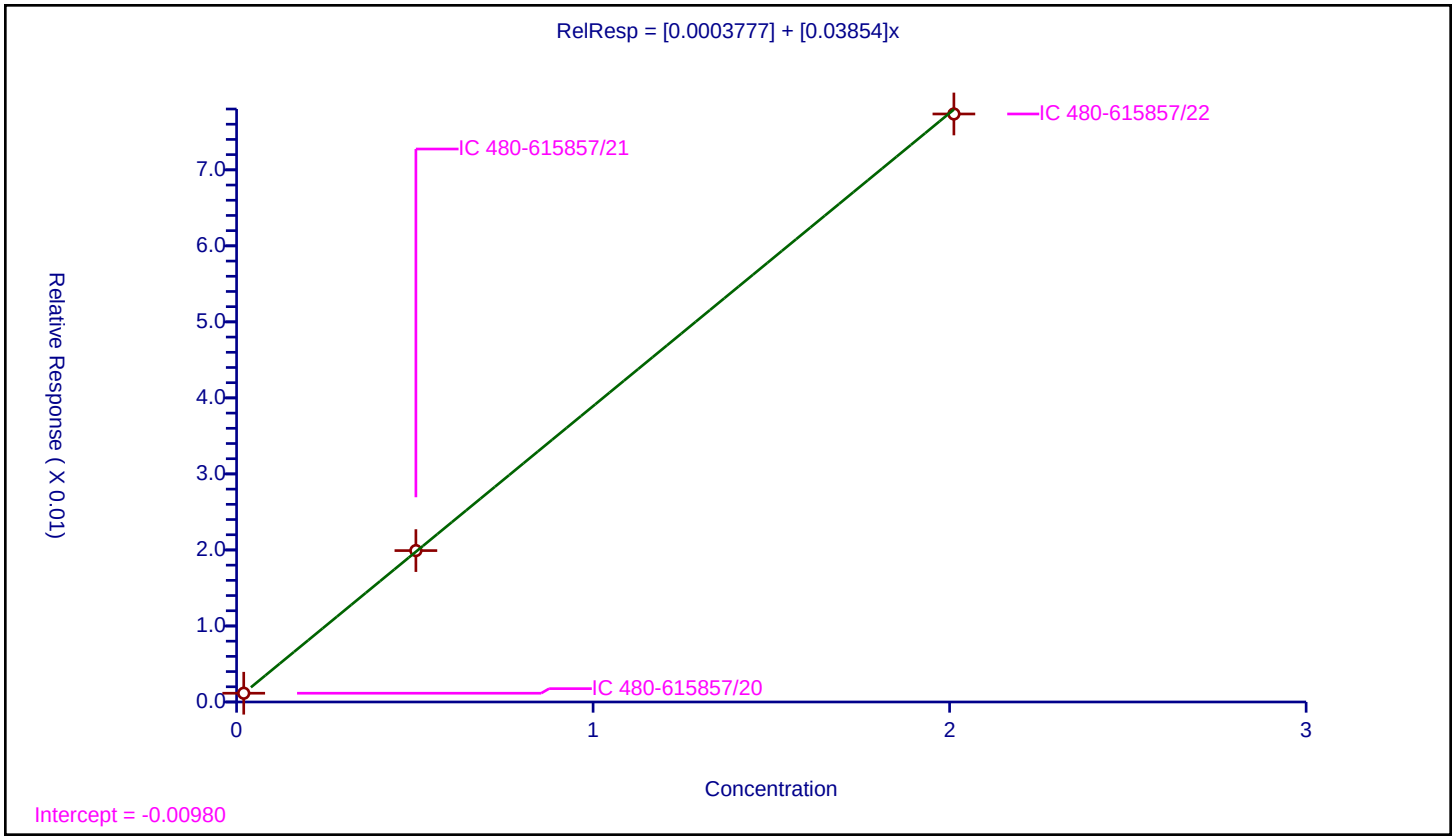
Curve Coefficients

Intercept:	0.0003777
Slope:	0.03854

Error Coefficients

Standard Error:	937000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001153	0.5	5939720.0	0.057306	Y
2	IC 480-615857/21	0.503	0.019915	0.5	5560330.0	0.039593	Y
3	IC 480-615857/22	2.012	0.077348	0.5	5883976.0	0.038443	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

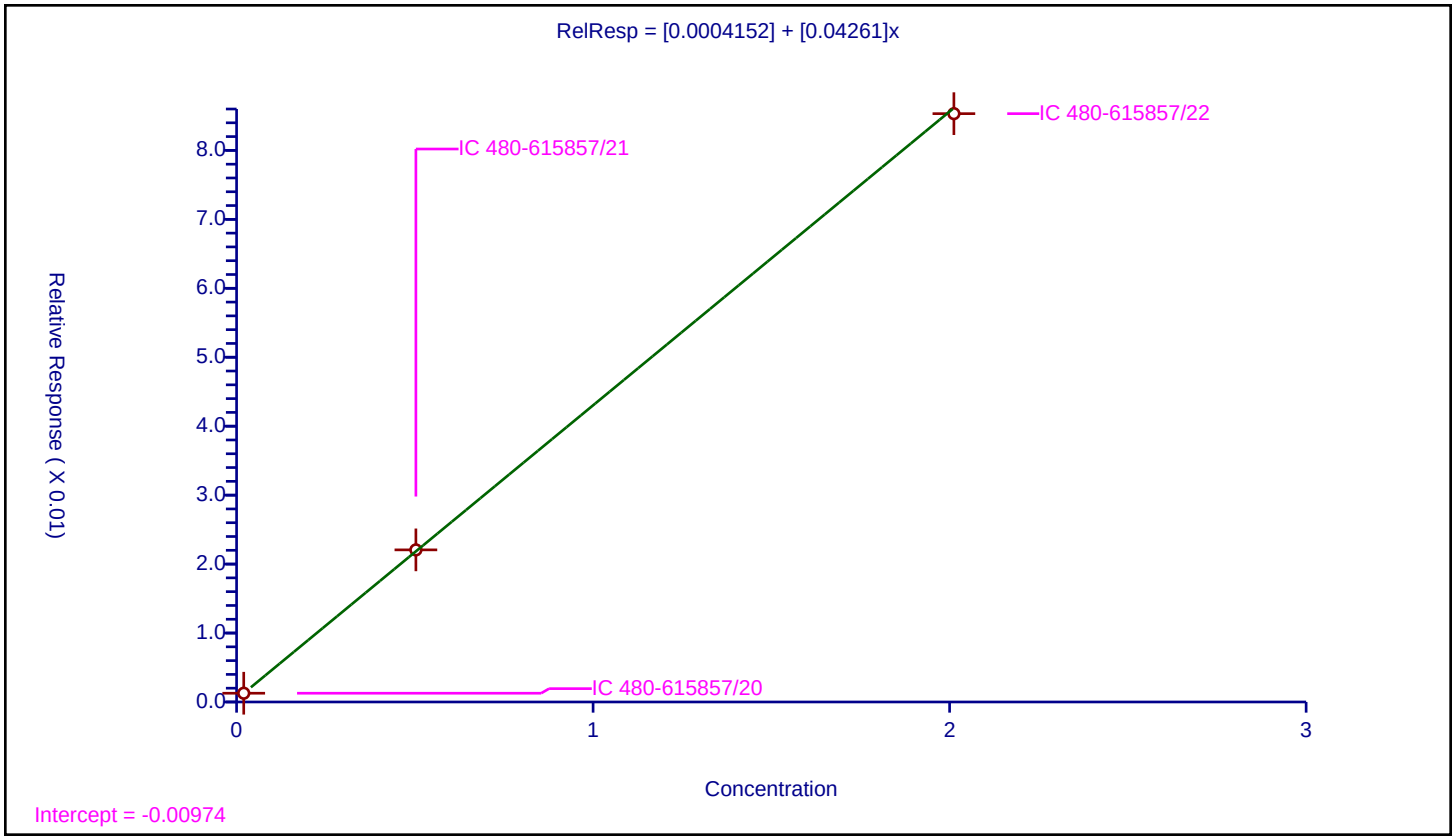
Curve Coefficients

Intercept:	0.0004152
Slope:	0.04261

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001272	0.5	5939720.0	0.063235	Y
2	IC 480-615857/21	0.503	0.02206	0.5	5560330.0	0.043857	Y
3	IC 480-615857/22	2.012	0.085327	0.5	5883976.0	0.042409	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

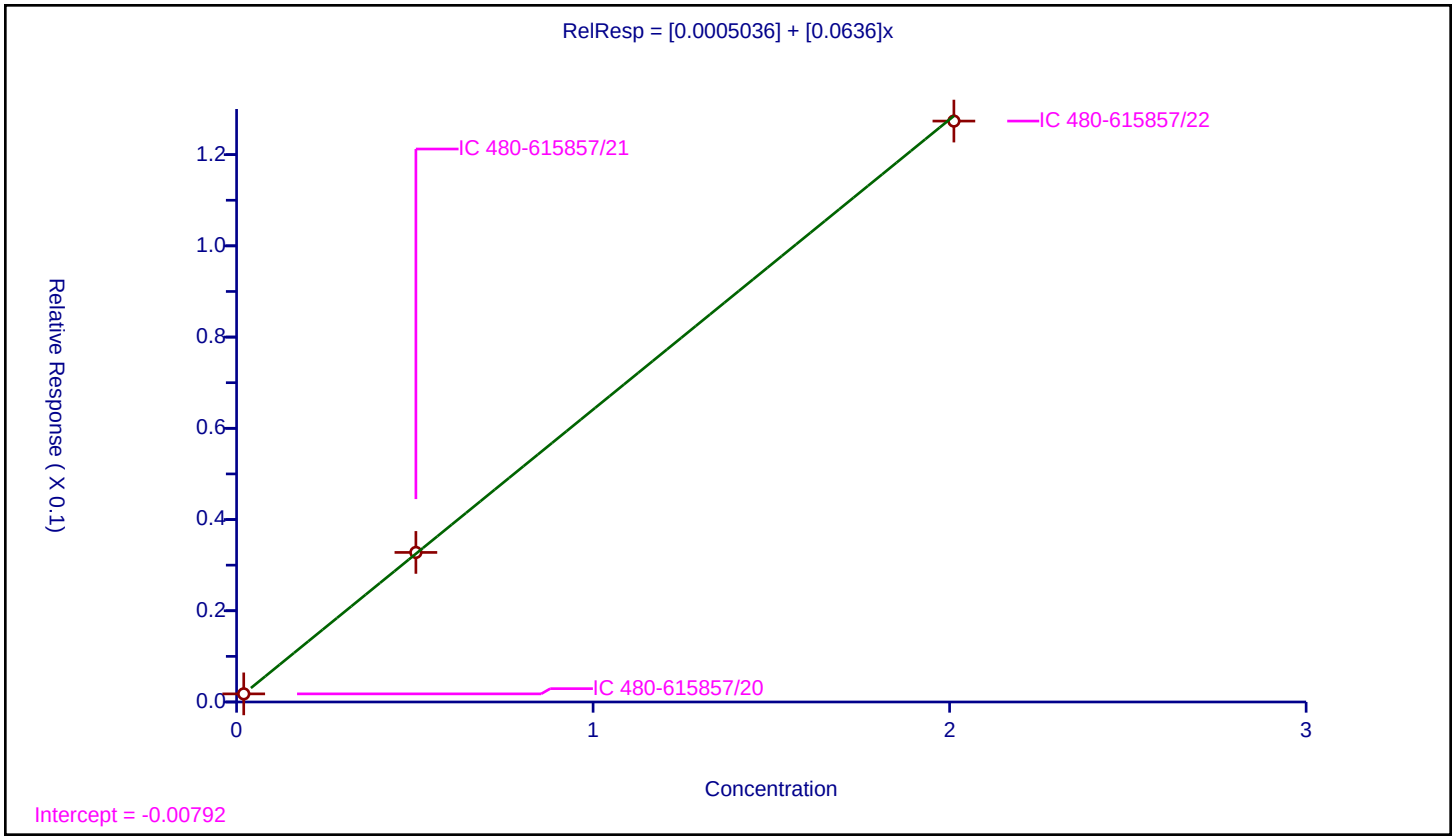
Curve Coefficients

Intercept:	0.0005036
Slope:	0.0636

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001783	0.5	5939720.0	0.088618	Y
2	IC 480-615857/21	0.503	0.032786	0.5	5560330.0	0.065181	Y
3	IC 480-615857/22	2.012	0.127355	0.5	5883976.0	0.063298	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

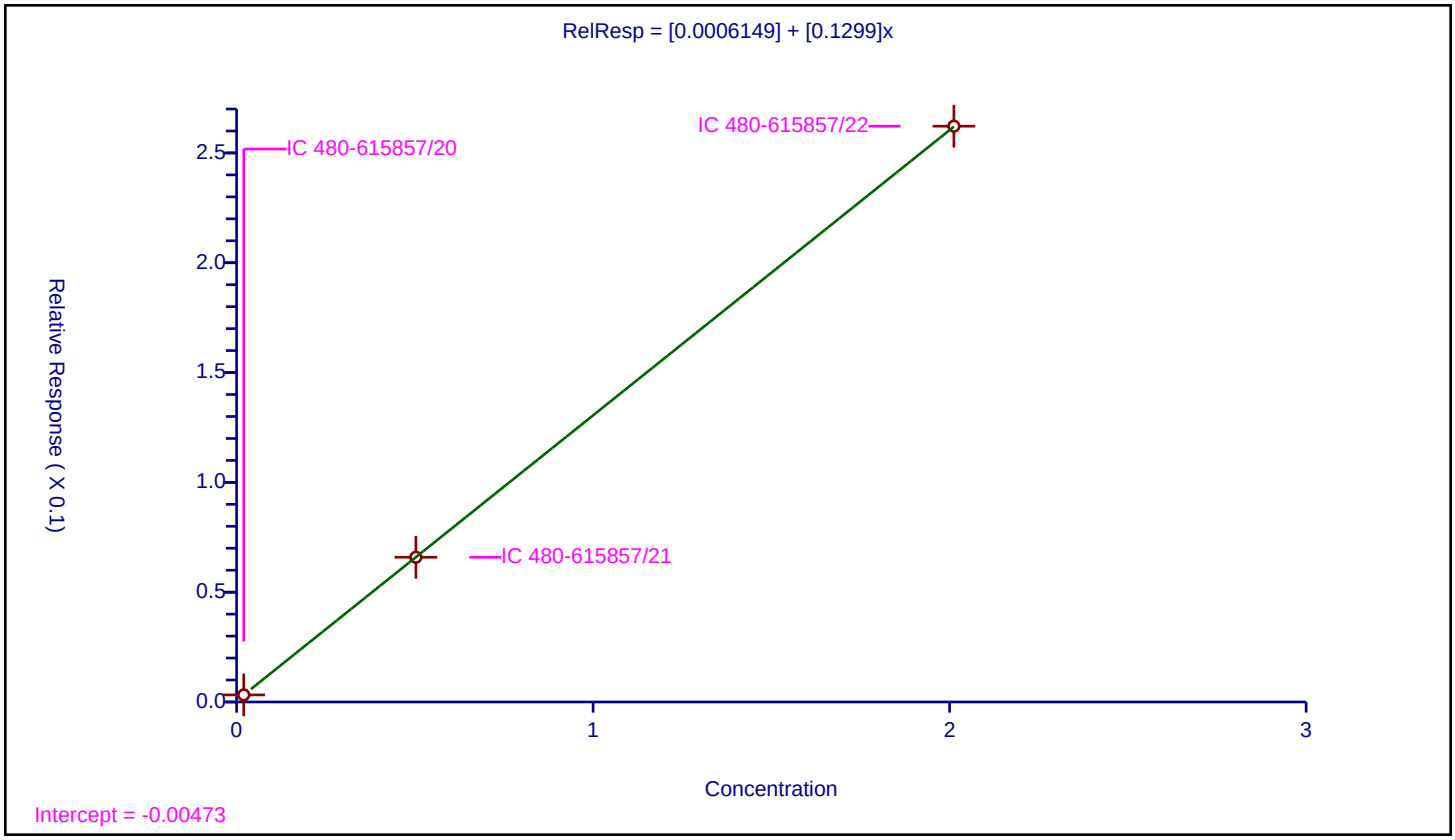
Curve Coefficients

Intercept:	0.0006149
Slope:	0.1299

Error Coefficients

Standard Error:	3170000
Relative Standard Error:	0.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.003228	0.5	5939720.0	0.160459	Y
2	IC 480-615857/21	0.503	0.065896	0.5	5560330.0	0.131007	Y
3	IC 480-615857/22	2.012	0.262176	0.5	5883976.0	0.130306	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

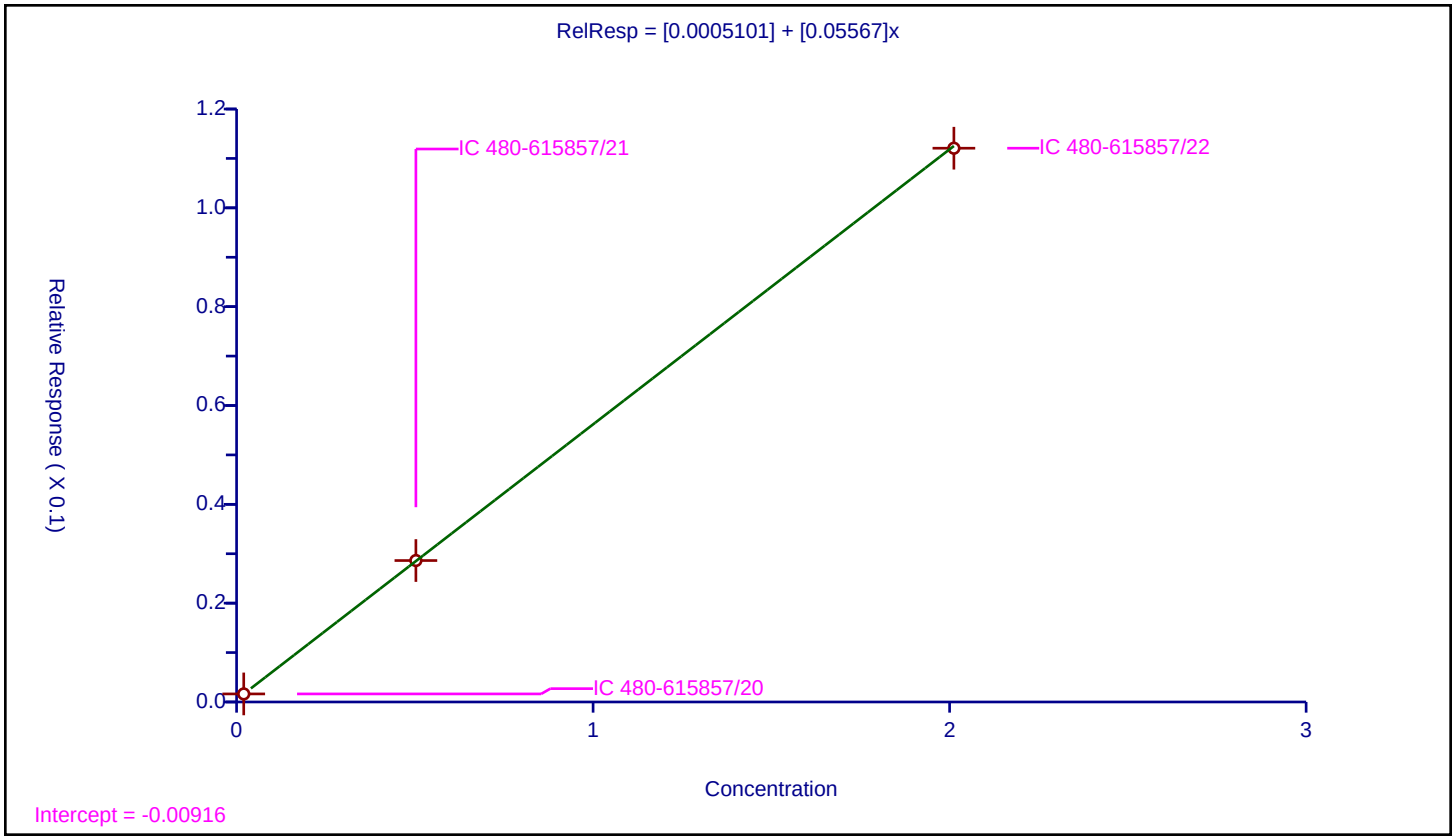
Curve Coefficients

Intercept:	0.0005101
Slope:	0.05567

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	0.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.00163	0.5	5939720.0	0.081016	Y
2	IC 480-615857/21	0.503	0.028628	0.5	5560330.0	0.056914	Y
3	IC 480-615857/22	2.012	0.112065	0.5	5883976.0	0.055698	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 20:08 Calibration End Date: 02/23/2022 20:35 Calibration ID: 43145

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/20	6_104-020.D
Level 2	IC 480-615857/21	6_104-021.D
Level 3	IC 480-615857/22	6_104-022.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				B	M1	M2								
PCB-1232 Peak 1	0.0311	0.0237	0.0211			Lin2	0.0002	0.0222				7.4			0.9970		0.9900
PCB-1232 Peak 2	0.0321	0.0243	0.0220			Lin2	0.0002	0.0229				6.3			0.9980		0.9900
PCB-1232 Peak 3	0.0314	0.0261	0.0254			Lin2	0.0001	0.0256				1.2			1.0000		0.9900
PCB-1232 Peak 4	0.0218	0.0176	0.0163			Lin2	0.0001	0.0168				4.8			0.9990		0.9900
PCB-1232 Peak 5	0.0197	0.0155	0.0142			Lin2	0.0001	0.0147				5.4			0.9980		0.9900
PCB-1262 Peak 1	0.0498	0.0387	0.0381			Lin2	0.0002	0.0381				0.5			1.0000		0.9900
PCB-1262 Peak 2	0.0605	0.0467	0.0462			Lin2	0.0003	0.0461				0.2			1.0000		0.9900
PCB-1262 Peak 3	0.0819	0.0653	0.0650			Lin2	0.0003	0.0647				0.2			1.0000		0.9900
PCB-1262 Peak 4	0.1558	0.1376	0.1382			Lin2	0.0004	0.1375				0.6			1.0000		0.9900
PCB-1262 Peak 5	0.0728	0.0590	0.0576			Lin2	0.0003	0.0580				1.2			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 20:08 Calibration End Date: 02/23/2022 20:35 Calibration ID: 43145

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/20	6_104-020.D
Level 2	IC 480-615857/21	6_104-021.D
Level 3	IC 480-615857/22	6_104-022.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin2	8001	142792	536856			0.0202	0.505	2.02		
PCB-1232 Peak 2	BNB	Lin2	8271	146271	559187			0.0202	0.505	2.02		
PCB-1232 Peak 3	BNB	Lin2	8090	156938	647027			0.0202	0.505	2.02		
PCB-1232 Peak 4	BNB	Lin2	5621	105872	413972			0.0202	0.505	2.02		
PCB-1232 Peak 5	BNB	Lin2	5075	93149	361159			0.0202	0.505	2.02		
PCB-1262 Peak 1	BNB	Lin2	12776	232271	965191			0.0201	0.503	2.01		
PCB-1262 Peak 2	BNB	Lin2	15501	280288	1169452			0.0201	0.503	2.01		
PCB-1262 Peak 3	BNB	Lin2	21013	391644	1645957			0.0201	0.503	2.01		
PCB-1262 Peak 4	BNB	Lin2	39959	825573	3501458			0.0201	0.503	2.01		
PCB-1262 Peak 5	BNB	Lin2	18678	354108	1459827			0.0201	0.503	2.01		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-020.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 20:08:59 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:41 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:48:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5939720	0.5000	0.5000	
2	2.270	2.270	0.000	6372400	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	8181	0.0202	0.0202	
1	3.644	3.644	0.000	4359	0.0202	0.0202	
1	4.031	4.031	0.000	8295	0.0202	0.0202	
1	4.117	4.117	0.000	6279	0.0202	0.0202	
1	4.303	4.303	0.000	3018	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
2	3.566	3.566	0.000	8001	0.0202	0.0202	
2	3.933	3.933	0.000	8271	0.0202	0.0202	
2	4.293	4.293	0.000	8090	0.0202	0.0202	
2	4.421	4.421	0.000	5621	0.0202	0.0202	
2	4.829	4.829	0.000	5075	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
						RPD = 0.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	13697	0.0201	0.0201	
1	5.746	5.746	0.000	15114	0.0201	0.0201	
1	6.181	6.181	0.000	21181	0.0201	0.0201	
1	6.720	6.720	0.000	38352	0.0201	0.0201	
1	7.278	7.278	0.000	19364	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
2	5.878	5.878	0.000	12776	0.0201	0.0201	
2	5.987	5.987	0.000	15501	0.0201	0.0201	
2	6.487	6.487	0.000	21013	0.0201	0.0201	
2	7.108	7.108	0.000	39959	0.0201	0.0201	
2	7.672	7.672	0.000	18678	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.01	

Reagents:

32-62w/IS@.02_00021 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:42 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-020.D

Injection Date: 23-Feb-2022 20:08:59 Instrument ID: HP6890-6 Operator ID: BufTCHROM

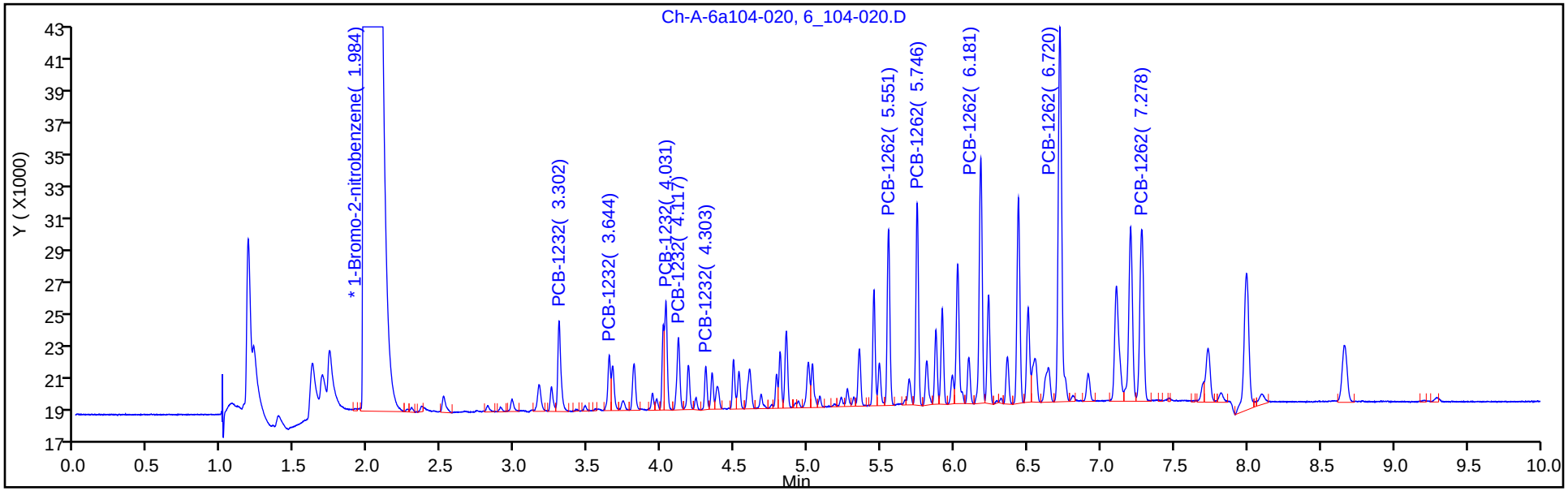
Lims ID: IC level 1 Worklist Smp#: 20

Client ID:

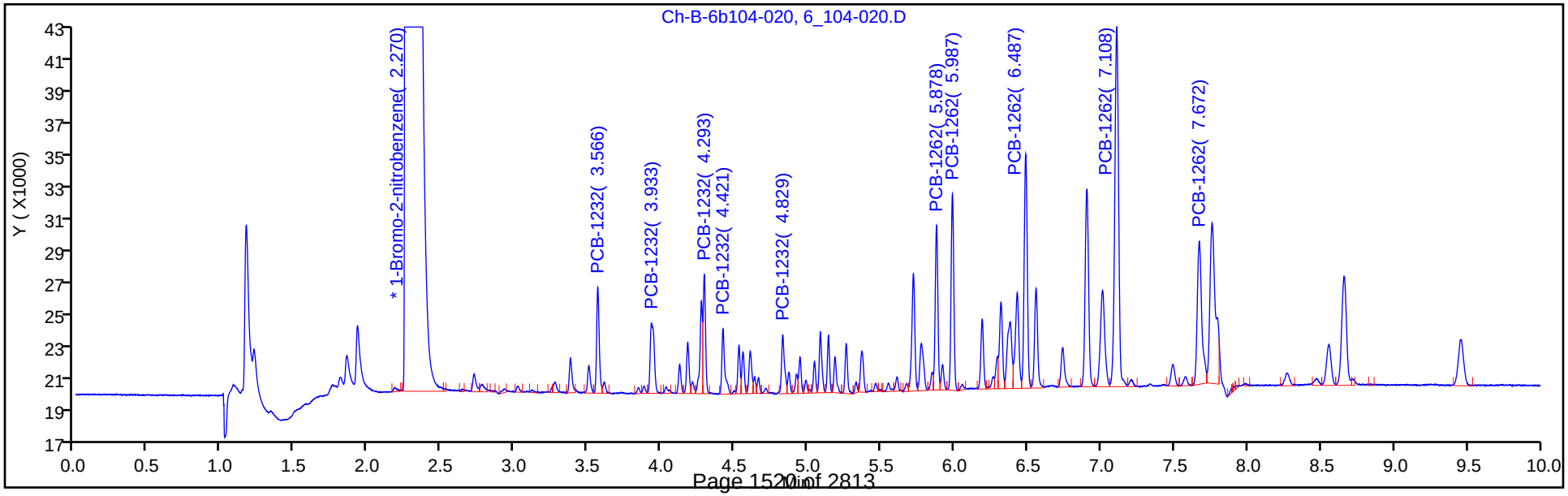
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-021.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 20:22:23 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:43 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5560330	0.5000	0.5000	
2	2.270	2.270	0.000	5962250	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	142073	0.5050	0.5365	
1	3.644	3.644	0.000	76366	0.5050	0.5389	
1	4.032	4.032	0.000	154083	0.5050	0.5164	
1	4.118	4.118	0.000	97280	0.5050	0.5232	
1	4.304	4.304	0.000	53206	0.5050	0.5326	
		Average of Peak Amounts =				0.5295	
2	3.565	3.565	0.000	142792	0.5050	0.5320	
2	3.933	3.933	0.000	146271	0.5050	0.5277	
2	4.293	4.293	0.000	156938	0.5050	0.5094	
2	4.421	4.421	0.000	105872	0.5050	0.5226	
2	4.829	4.829	0.000	93149	0.5050	0.5245	
		Average of Peak Amounts =				0.5232	
						RPD = 1.19	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	221471	0.5030	0.5069	
1	5.747	5.747	0.000	245325	0.5030	0.5080	
1	6.180	6.180	0.000	364602	0.5030	0.5075	
1	6.721	6.721	0.000	732812	0.5030	0.5026	
1	7.278	7.278	0.000	318362	0.5030	0.5051	
		Average of Peak Amounts =				0.5060	
2	5.878	5.878	0.000	232271	0.5030	0.5048	
2	5.986	5.986	0.000	280288	0.5030	0.5037	
2	6.486	6.486	0.000	391644	0.5030	0.5022	
2	7.108	7.108	0.000	825573	0.5030	0.5009	
2	7.670	7.670	0.000	354108	0.5030	0.5072	
		Average of Peak Amounts =				0.5038	
						RPD = 0.45	

Reagents:

32-62w/IS@0.5_00103 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-021.D

Injection Date: 23-Feb-2022 20:22:23 Instrument ID: HP6890-6 Operator ID: BufTCHROM

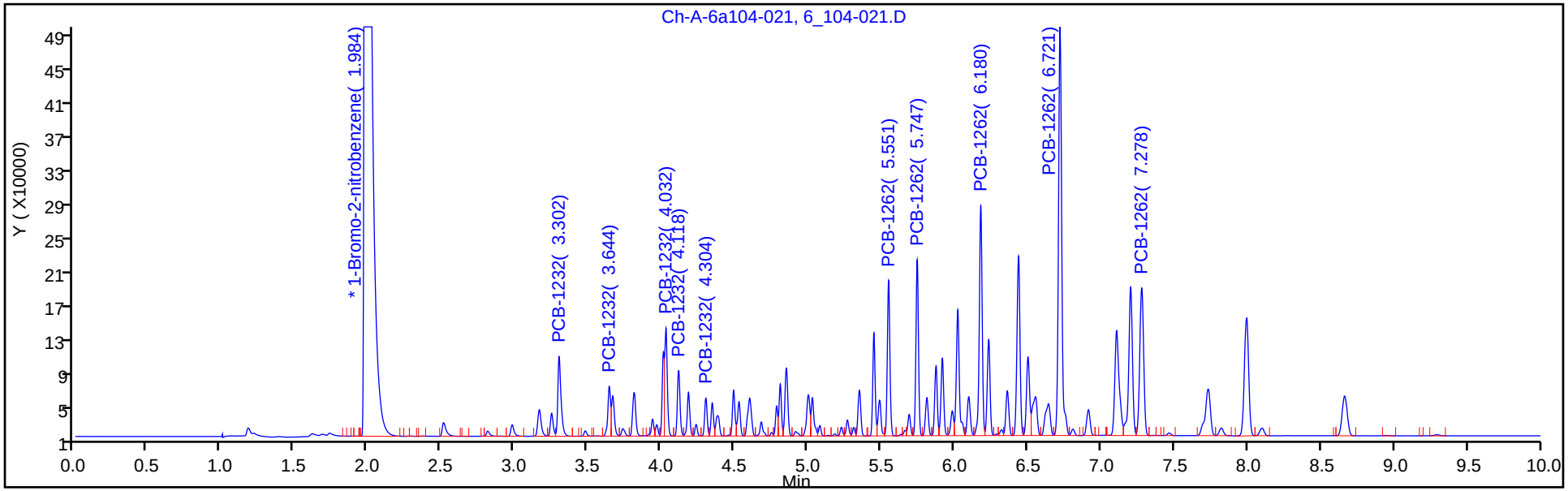
Lims ID: IC level 2 Worklist Smp#: 21

Client ID:

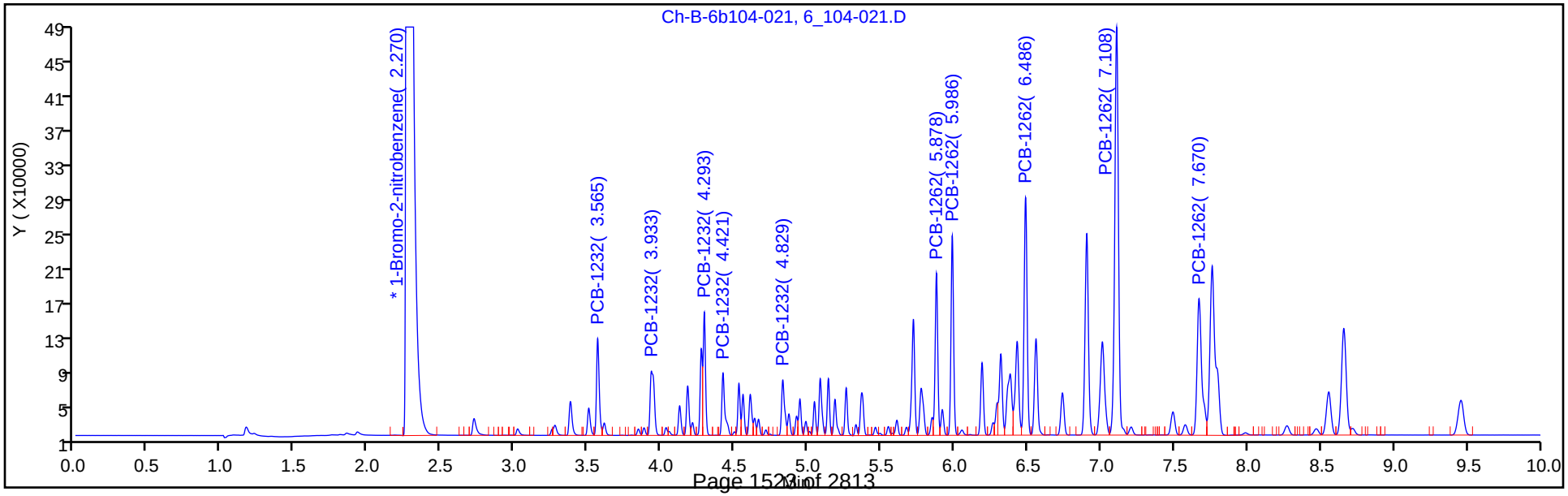
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-022.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 20:35:38 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:45 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:50:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5883976	0.5000	0.5000	
2	2.270	2.270	0.000	6294675	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	525407	2.02	1.90	
1	3.644	3.644	0.000	279839	2.02	1.89	
1	4.032	4.032	0.000	618531	2.02	1.98	
1	4.118	4.118	0.000	377114	2.02	1.95	
1	4.303	4.304	-0.001	199939	2.02	1.91	
		Average of Peak Amounts =				1.92	
2	3.566	3.565	0.001	536856	2.02	1.92	
2	3.933	3.933	0.000	559187	2.02	1.93	
2	4.294	4.293	0.001	647027	2.02	2.00	
2	4.420	4.421	-0.001	413972	2.02	1.95	
2	4.828	4.829	-0.001	361159	2.02	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 1.26	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.552	5.551	0.001	910223	2.01	2.00	
1	5.747	5.747	0.000	1004120	2.01	1.99	
1	6.181	6.180	0.001	1498709	2.01	1.99	
1	6.722	6.721	0.001	3085273	2.01	2.01	
1	7.278	7.278	0.000	1318779	2.01	2.00	
		Average of Peak Amounts =				2.00	
2	5.878	5.878	0.000	965191	2.01	2.01	
2	5.987	5.986	0.001	1169452	2.01	2.01	
2	6.486	6.486	0.000	1645957	2.01	2.02	
2	7.108	7.108	0.000	3501458	2.01	2.02	
2	7.670	7.670	0.000	1459827	2.01	2.00	
		Average of Peak Amounts =				2.01	
						RPD = 0.44	

Reagents:

32-62w/IS@2.0_00021 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:45 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-022.D

Injection Date: 23-Feb-2022 20:35:38 Instrument ID: HP6890-6 Operator ID: BufTCHROM

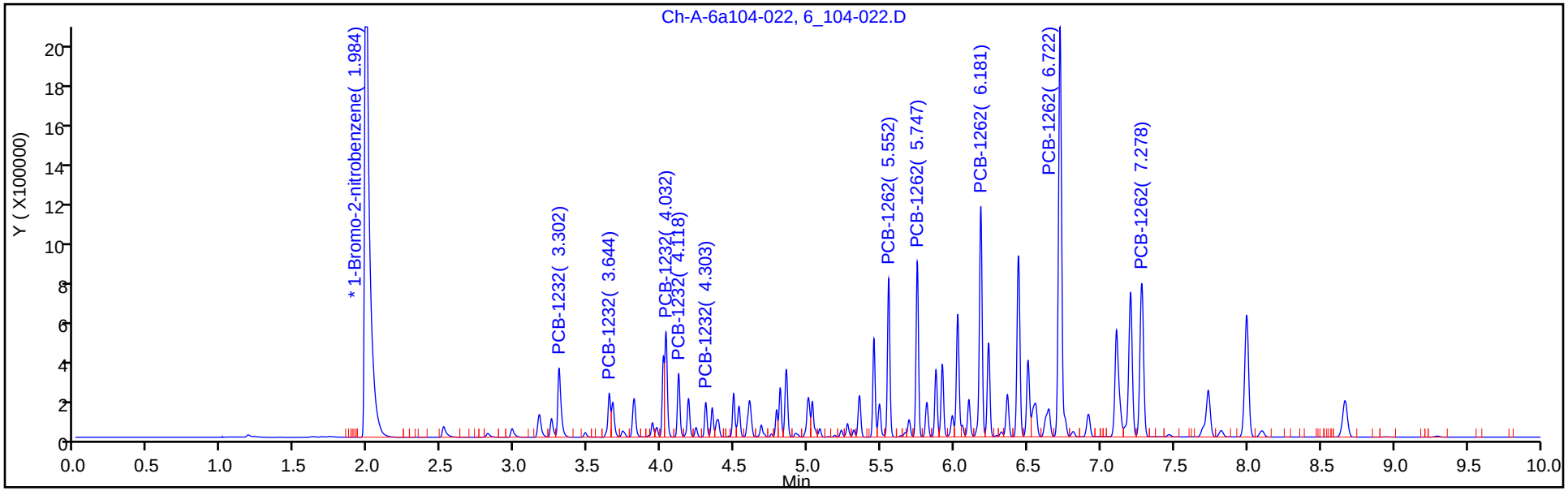
Lims ID: IC level 3 Worklist Smp#: 22

Client ID:

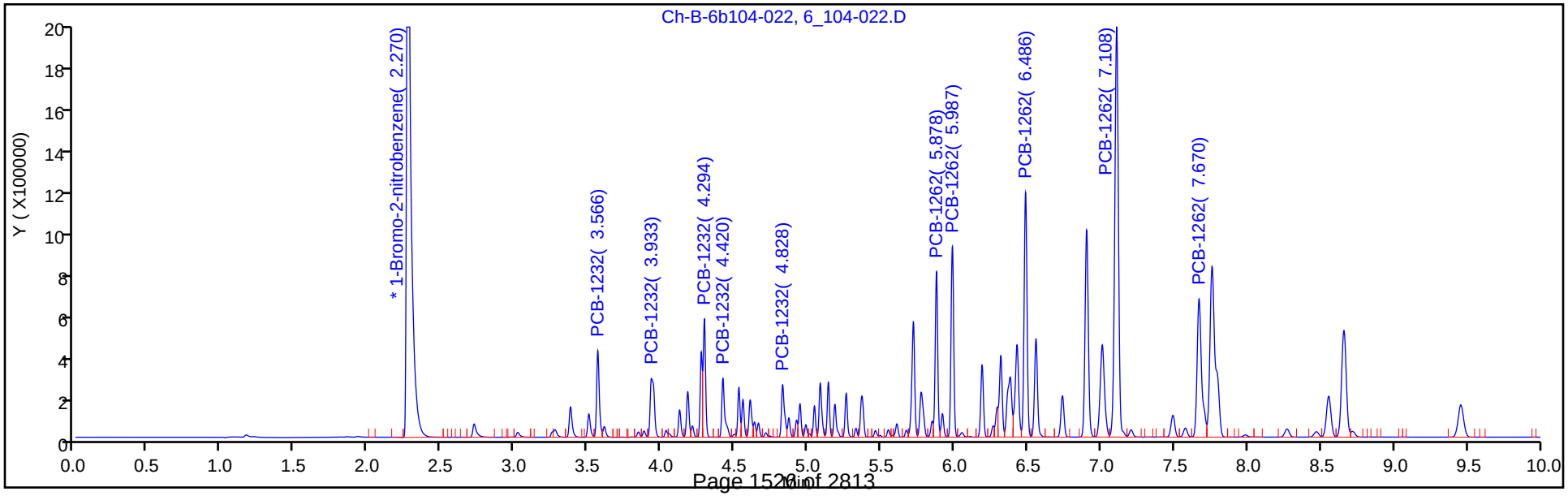
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1232 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

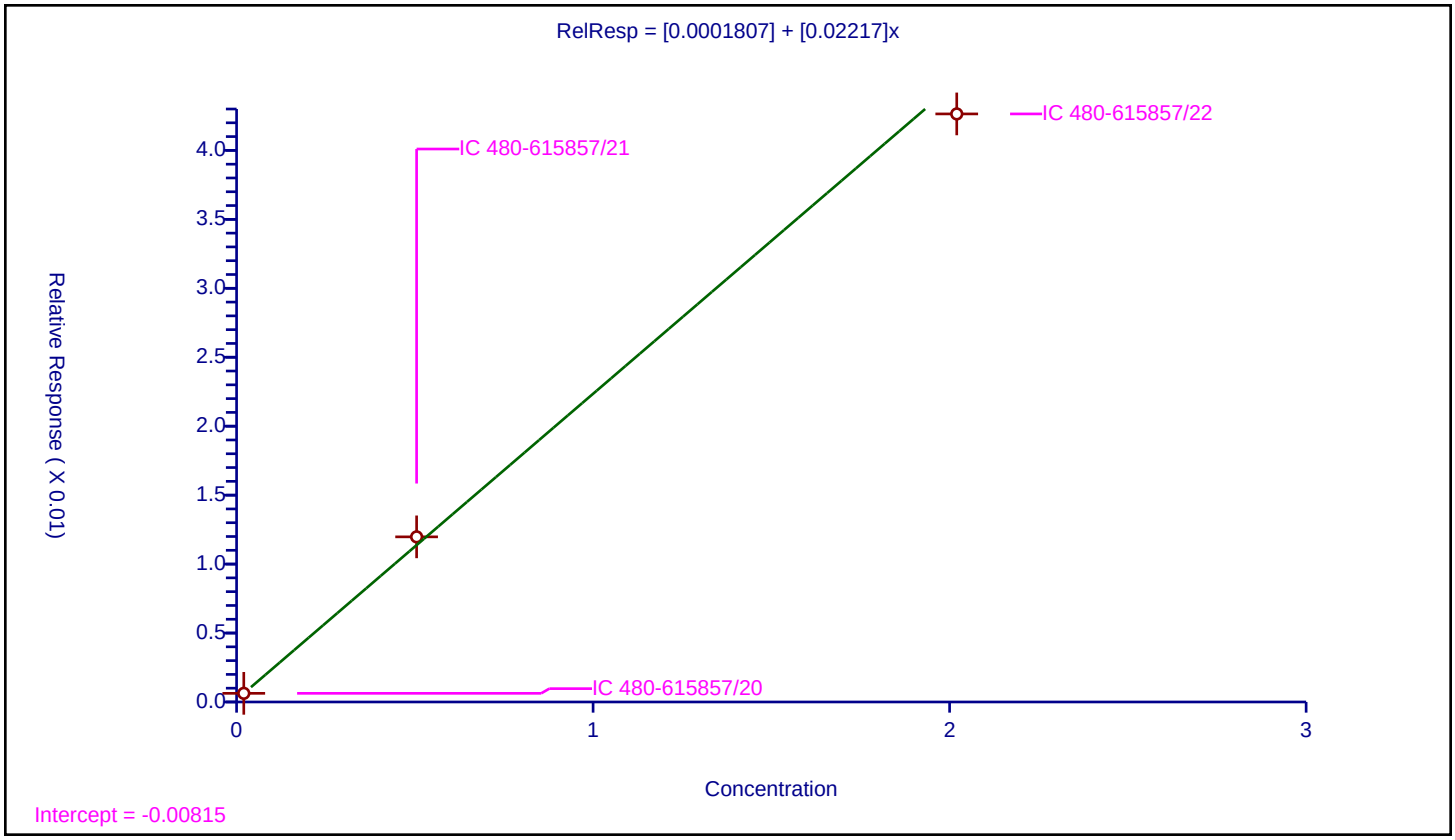
Curve Coefficients

Intercept:	0.0001807
Slope:	0.02217

Error Coefficients

Standard Error:	556000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000628	0.5	6372400.0	0.031078	Y
2	IC 480-615857/21	0.505	0.011975	0.5	5962250.0	0.023712	Y
3	IC 480-615857/22	2.02	0.042644	0.5	6294675.0	0.021111	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

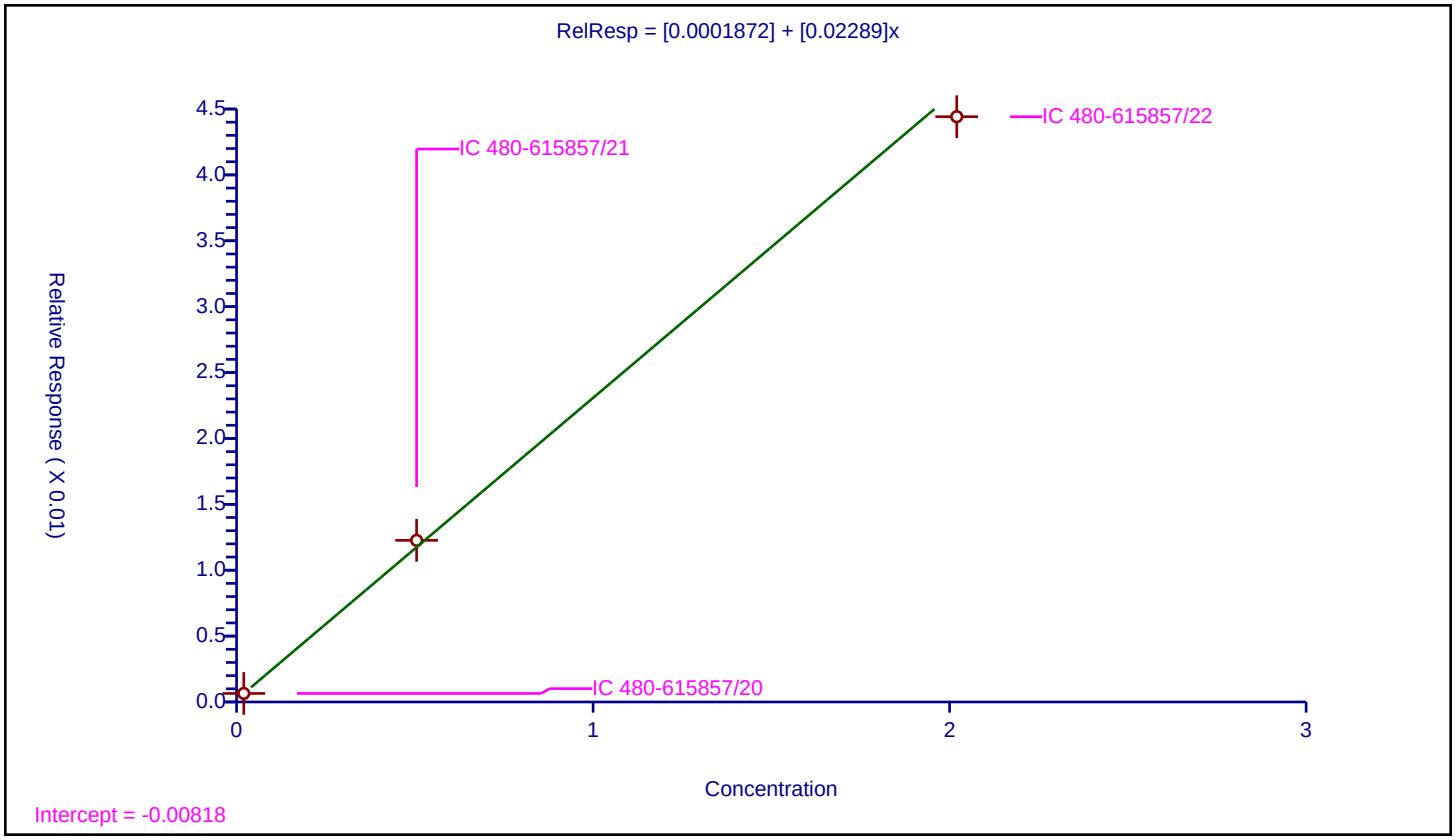
Curve Coefficients

Intercept:	0.0001872
Slope:	0.02289

Error Coefficients

Standard Error:	578000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000649	0.5	6372400.0	0.032127	Y
2	IC 480-615857/21	0.505	0.012266	0.5	5962250.0	0.02429	Y
3	IC 480-615857/22	2.02	0.044417	0.5	6294675.0	0.021989	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

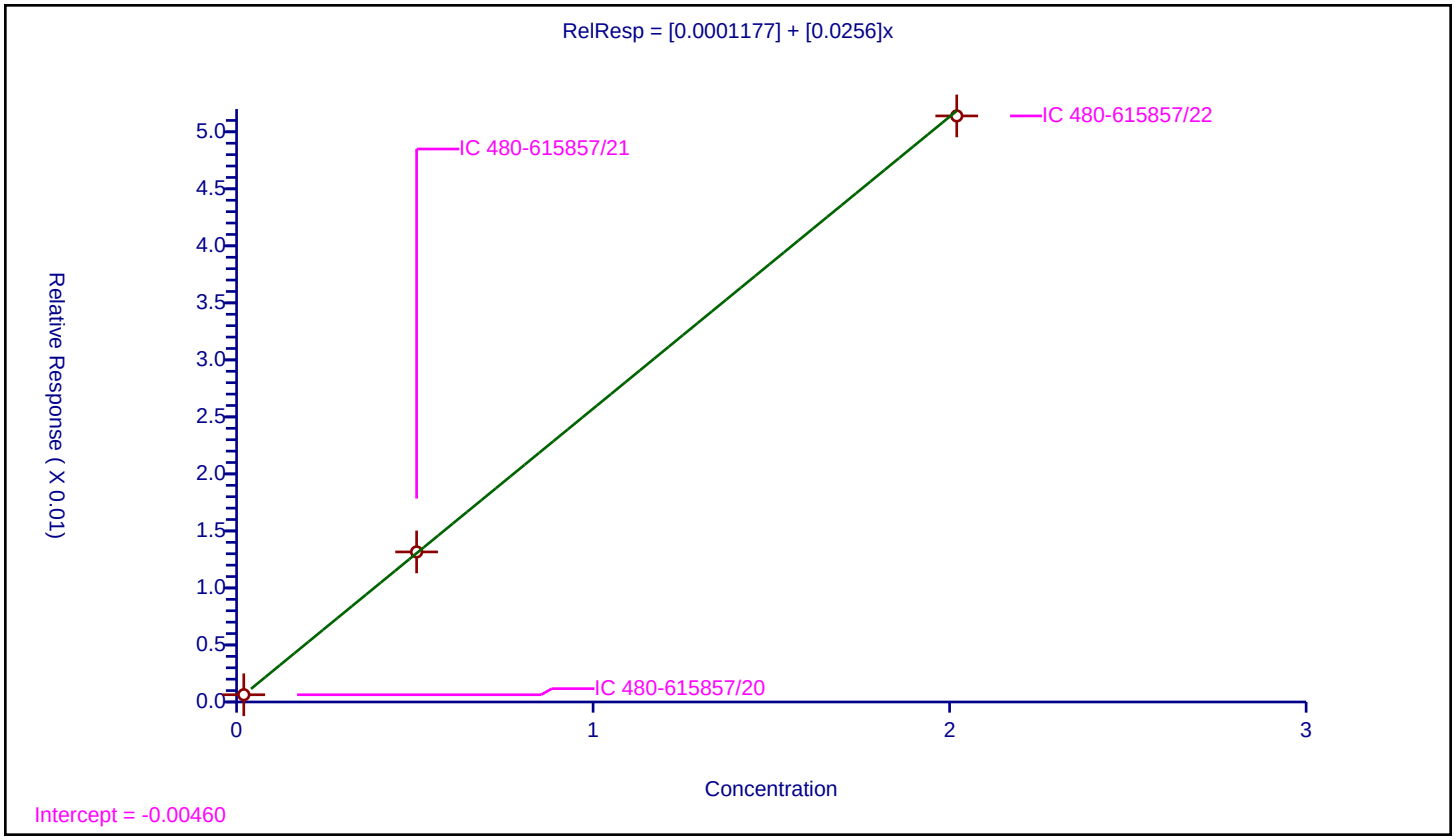
Curve Coefficients

Intercept:	0.0001177
Slope:	0.0256

Error Coefficients

Standard Error:	666000
Relative Standard Error:	1.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000635	0.5	6372400.0	0.031424	Y
2	IC 480-615857/21	0.505	0.013161	0.5	5962250.0	0.026061	Y
3	IC 480-615857/22	2.02	0.051395	0.5	6294675.0	0.025443	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

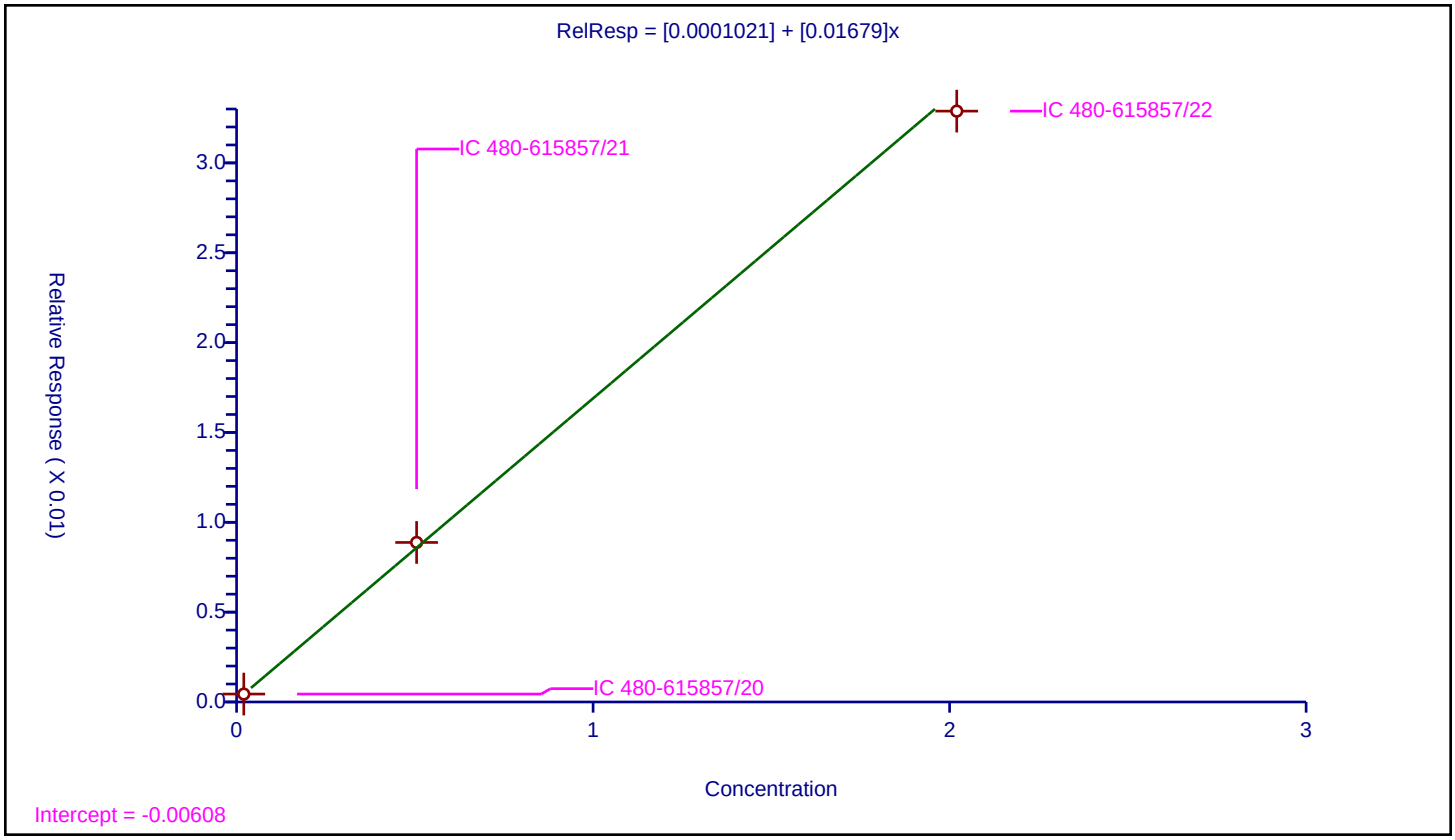
Curve Coefficients

Intercept:	0.0001021
Slope:	0.01679

Error Coefficients

Standard Error:	427000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000441	0.5	6372400.0	0.021834	Y
2	IC 480-615857/21	0.505	0.008879	0.5	5962250.0	0.017581	Y
3	IC 480-615857/22	2.02	0.032883	0.5	6294675.0	0.016279	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

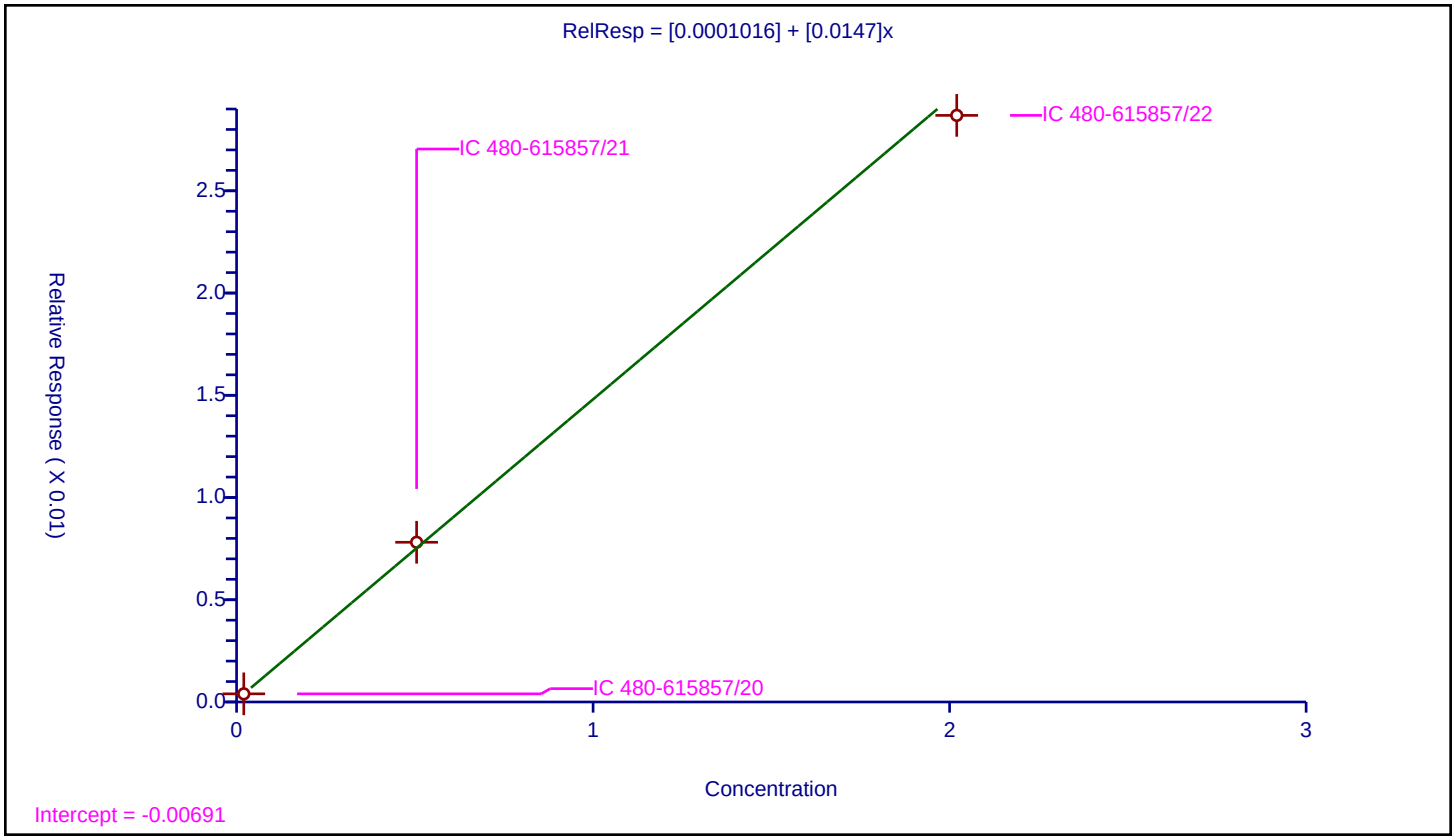
Curve Coefficients

Intercept:	0.0001016
Slope:	0.0147

Error Coefficients

Standard Error:	373000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.0202	0.000398	0.5	6372400.0	0.019713	Y
2	IC 480-615857/21	0.505	0.007812	0.5	5962250.0	0.015468	Y
3	IC 480-615857/22	2.02	0.028688	0.5	6294675.0	0.014202	Y



Calibration / PCB-1262 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

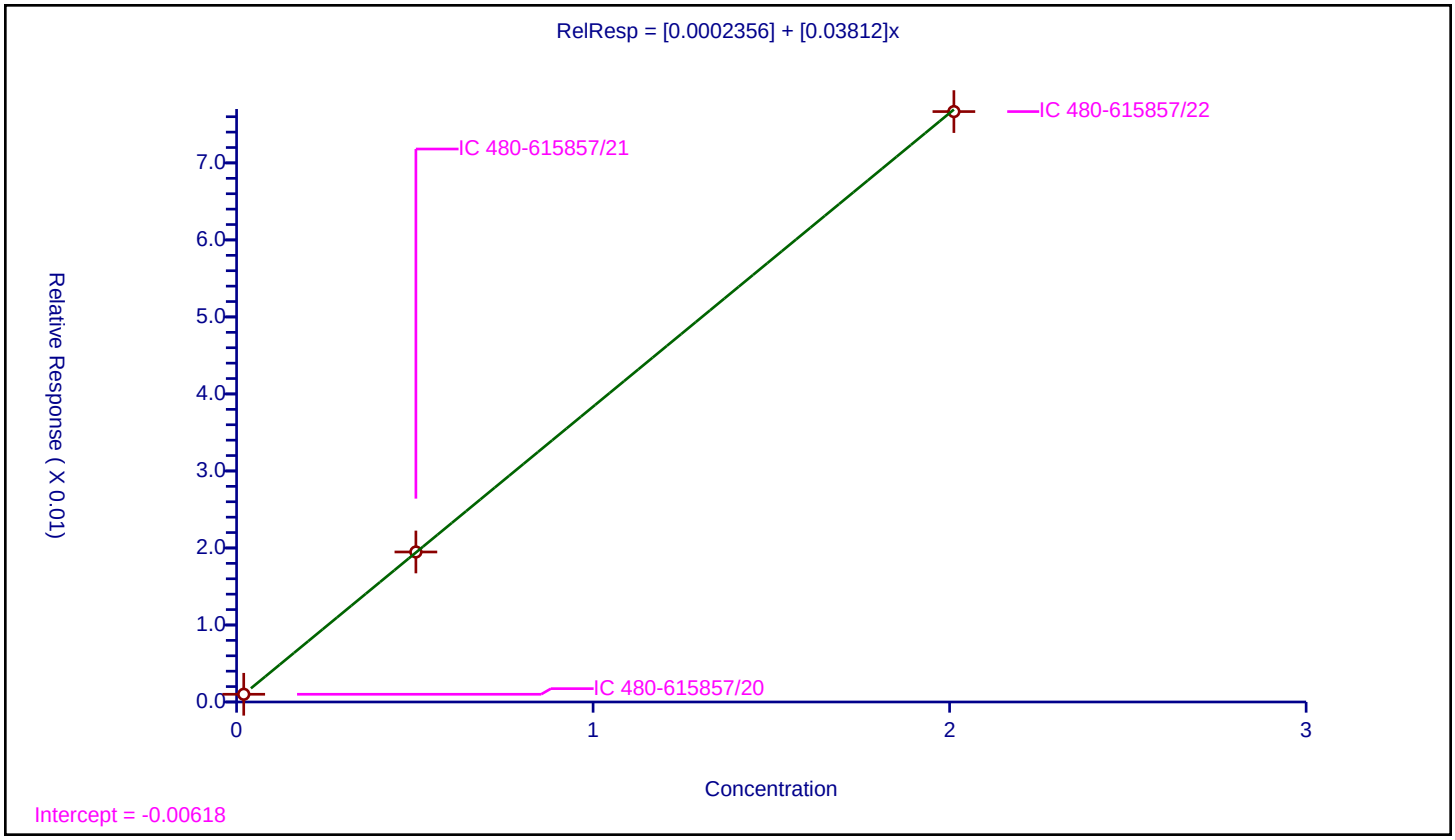
Curve Coefficients

Intercept:	0.0002356
Slope:	0.03812

Error Coefficients

Standard Error:	993000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001002	0.5	6372400.0	0.049823	Y
2	IC 480-615857/21	0.503	0.019478	0.5	5962250.0	0.038725	Y
3	IC 480-615857/22	2.012	0.076667	0.5	6294675.0	0.038105	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

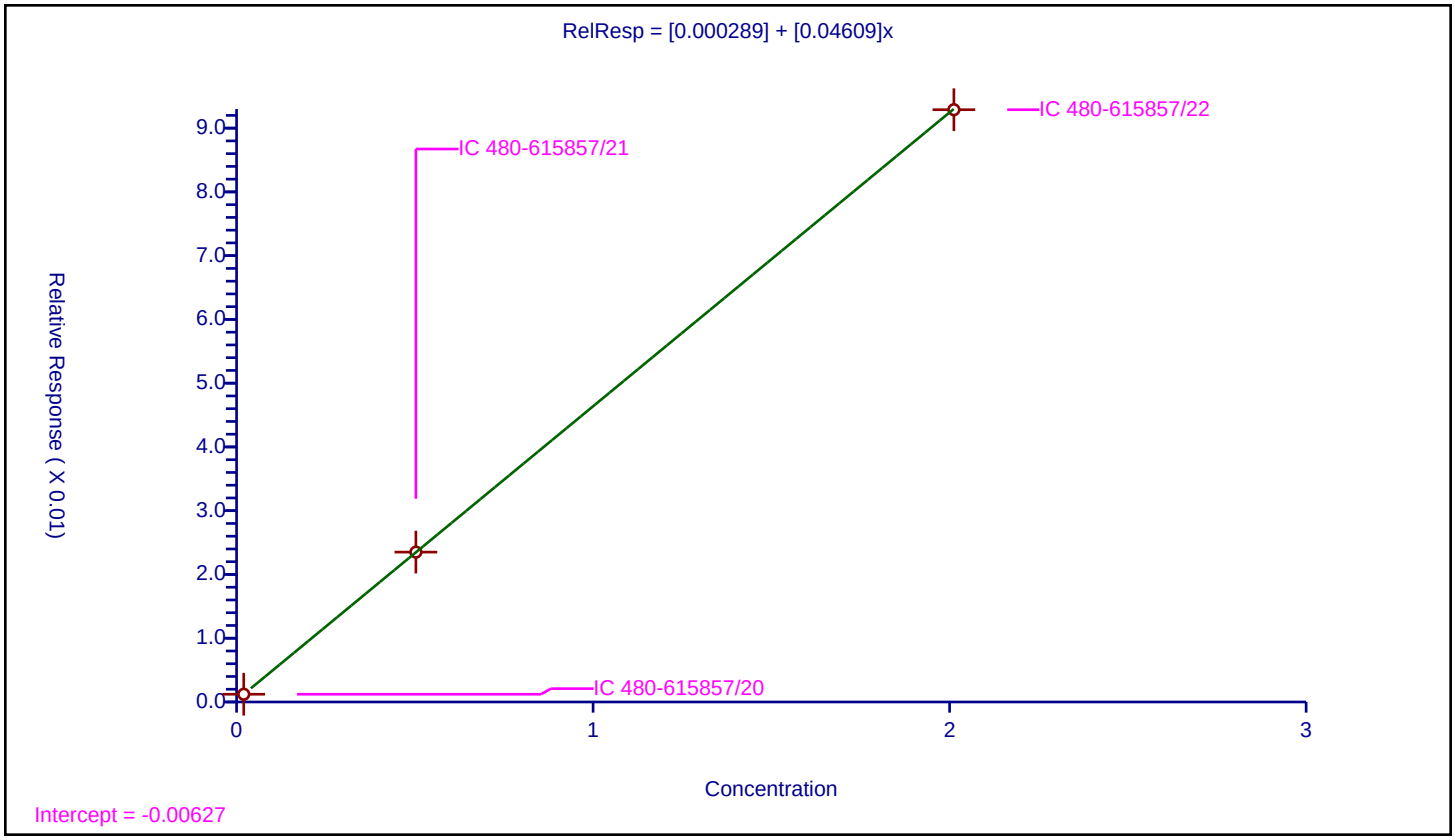
Curve Coefficients

Intercept:	0.000289
Slope:	0.04609

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001216	0.5	6372400.0	0.06045	Y
2	IC 480-615857/21	0.503	0.023505	0.5	5962250.0	0.04673	Y
3	IC 480-615857/22	2.012	0.092892	0.5	6294675.0	0.046169	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

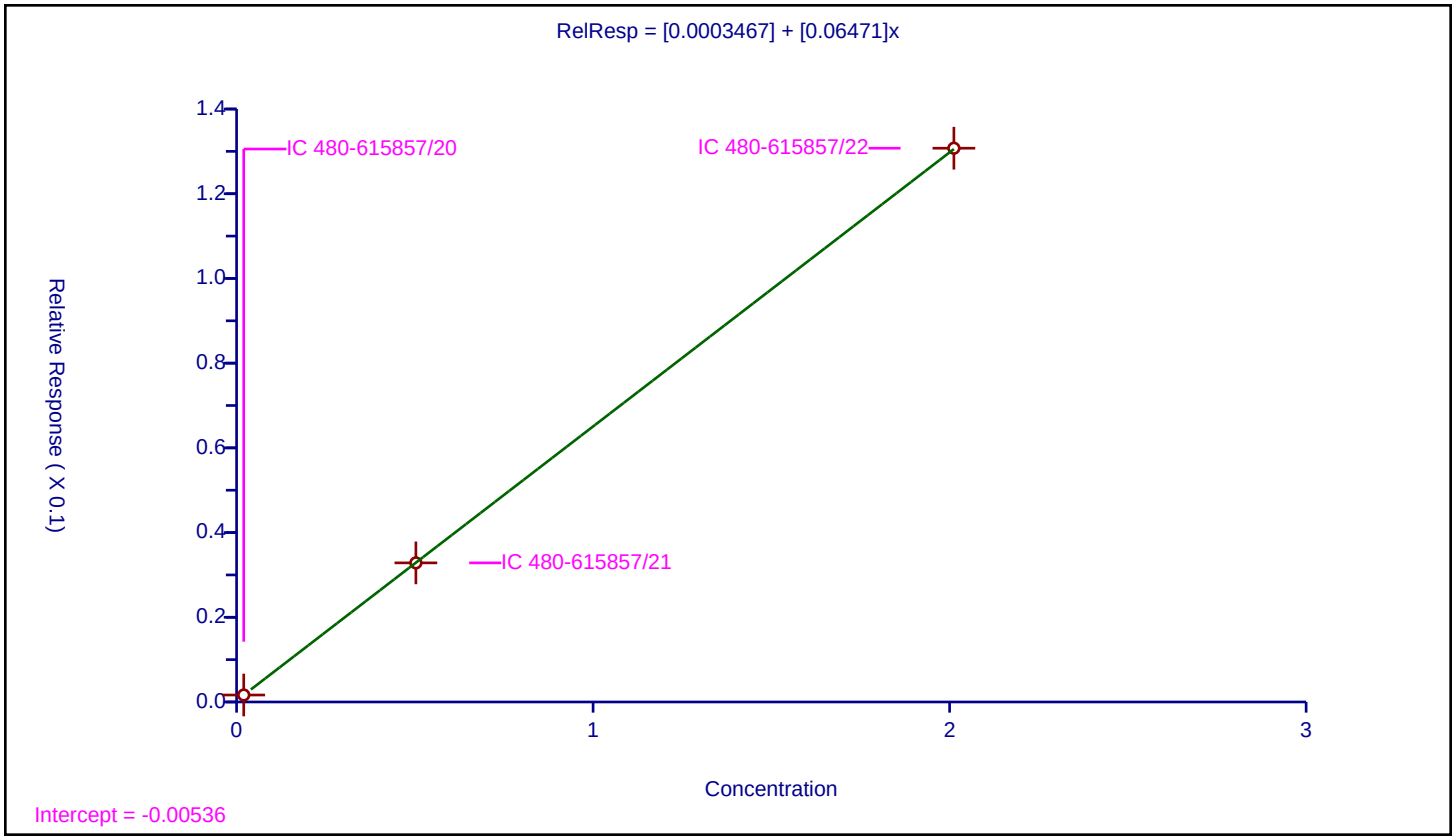
Curve Coefficients

Intercept:	0.0003467
Slope:	0.06471

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001649	0.5	6372400.0	0.081946	Y
2	IC 480-615857/21	0.503	0.032844	0.5	5962250.0	0.065296	Y
3	IC 480-615857/22	2.012	0.130742	0.5	6294675.0	0.064981	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

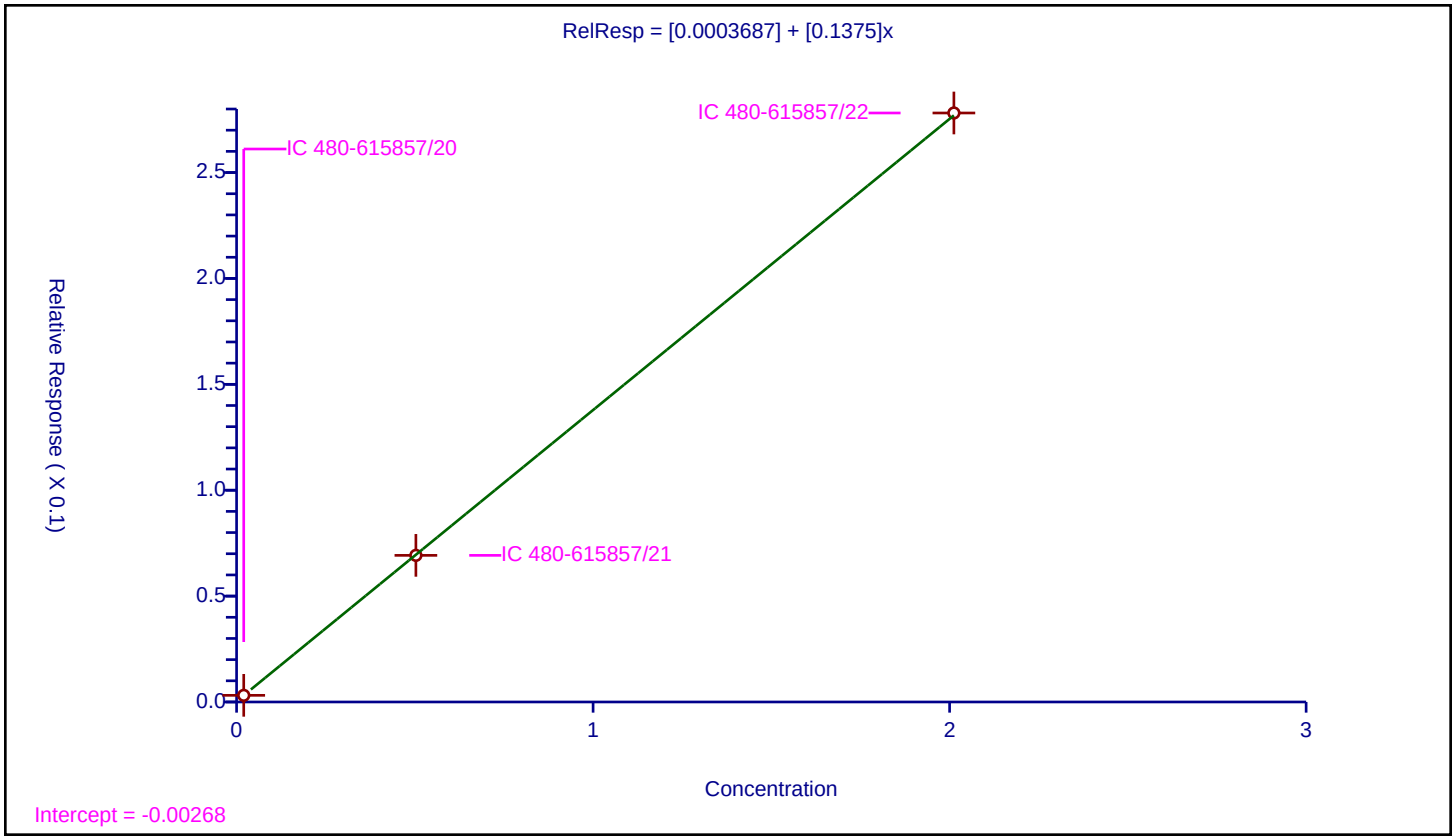
Curve Coefficients

Intercept:	0.0003687
Slope:	0.1375

Error Coefficients

Standard Error:	3600000
Relative Standard Error:	0.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.003135	0.5	6372400.0	0.155831	Y
2	IC 480-615857/21	0.503	0.069233	0.5	5962250.0	0.137641	Y
3	IC 480-615857/22	2.012	0.278129	0.5	6294675.0	0.138235	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

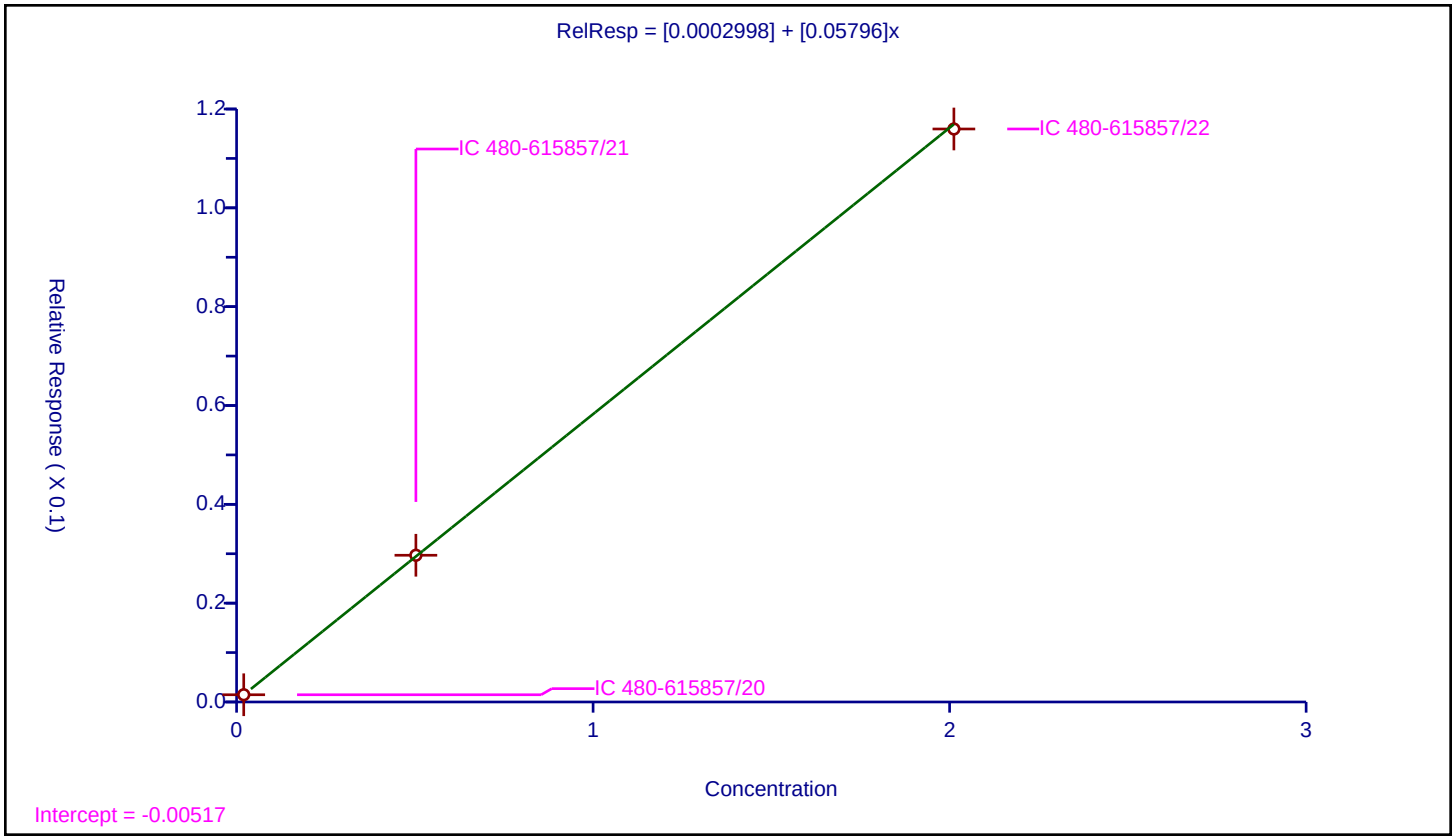
Curve Coefficients

Intercept:	0.0002998
Slope:	0.05796

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	1.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/20	0.02012	0.001466	0.5	6372400.0	0.07284	Y
2	IC 480-615857/21	0.503	0.029696	0.5	5962250.0	0.059037	Y
3	IC 480-615857/22	2.012	0.115957	0.5	6294675.0	0.057633	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:02 Calibration End Date: 02/23/2022 21:28 Calibration ID: 43148

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/24	6_104-024.D
Level 2	IC 480-615857/25	6_104-025.D
Level 3	IC 480-615857/26	6_104-026.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				B	M1	M2								
PCB-1242 Peak 1	0.0244	0.0180	0.0152			Lin2	0.0002	0.0164				10.9			0.9940		0.9900
PCB-1242 Peak 2	0.0306	0.0219	0.0187			Lin2	0.0002	0.0200				10.2			0.9950		0.9900
PCB-1242 Peak 3	0.0592	0.0490	0.0473			Lin2	0.0002	0.0479				1.9			1.0000		0.9900
PCB-1242 Peak 4	0.0429	0.0302	0.0275			Lin2	0.0003	0.0284				5.7			0.9980		0.9900
PCB-1242 Peak 5	0.0242	0.0179	0.0161			Lin2	0.0001	0.0168				6.9			0.9970		0.9900
PCB-1268 Peak 1	0.2060	0.1615	0.1568			Lin2	0.0010	0.1579				1.5			1.0000		0.9900
PCB-1268 Peak 2	0.1892	0.1498	0.1476			Lin2	0.0008	0.1477				0.5			1.0000		0.9900
PCB-1268 Peak 3	0.1737	0.1323	0.1307			Lin2	0.0009	0.1304				0.2			1.0000		0.9900
PCB-1268 Peak 4	0.0879	0.0577	0.0544			Lin2	0.0007	0.0552				2.9			1.0000		0.9900
PCB-1268 Peak 5	0.5146	0.4479	0.4306			Lin2	0.0016	0.4372				2.4			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:02 Calibration End Date: 02/23/2022 21:28 Calibration ID: 43148

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/24	6_104-024.D
Level 2	IC 480-615857/25	6_104-025.D
Level 3	IC 480-615857/26	6_104-026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin2	5771	98554	353823			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin2	7239	119994	434370			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin2	13999	267903	1098316			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin2	10143	165242	637031			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin2	5710	98205	373137			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin2	48707	883731	3638007			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin2	44735	819935	3424866			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin2	41059	724274	3032157			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin2	20779	315654	1262291			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin2	121642	2451169	9990272			0.0200	0.500	2.00		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-024.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 21:02:10 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:46 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5909886	0.5000	0.5000	
2	2.270	2.270	0.000	6340976	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.301	3.301	0.000	5771	0.0200	0.0200	
1	3.643	3.643	0.000	7239	0.0200	0.0200	
1	4.029	4.029	0.000	13999	0.0200	0.0200	
1	4.116	4.116	0.000	10143	0.0200	0.0200	
1	4.302	4.302	0.000	5710	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	3.566	3.566	0.000	5902	0.0200	0.0200	
2	3.932	3.932	0.000	13441	0.0200	0.0200	
2	4.293	4.293	0.000	14618	0.0200	0.0200	
2	4.419	4.419	0.000	9979	0.0200	0.0200	
2	4.828	4.828	0.000	9512	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.03	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.201	7.201	0.000	48707	0.0200	0.0200	
1	7.276	7.276	0.000	44735	0.0200	0.0200	
1	7.697	7.697	0.000	41059	0.0200	0.0200	
1	7.993	7.993	0.000	20779	0.0200	0.0200	
1	8.661	8.661	0.000	121642	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	7.669	7.669	0.000	45486	0.0200	0.0200	
2	7.753	7.753	0.000	39007	0.0200	0.0200	
2	8.269	8.269	0.000	37520	0.0200	0.0200	
2	8.658	8.658	0.000	17264	0.0200	0.0200	
2	9.457	9.457	0.000	117370	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.01	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@.02_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:47 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-024.D

Injection Date: 23-Feb-2022 21:02:10 Instrument ID: HP6890-6 Operator ID: BufTCHROM

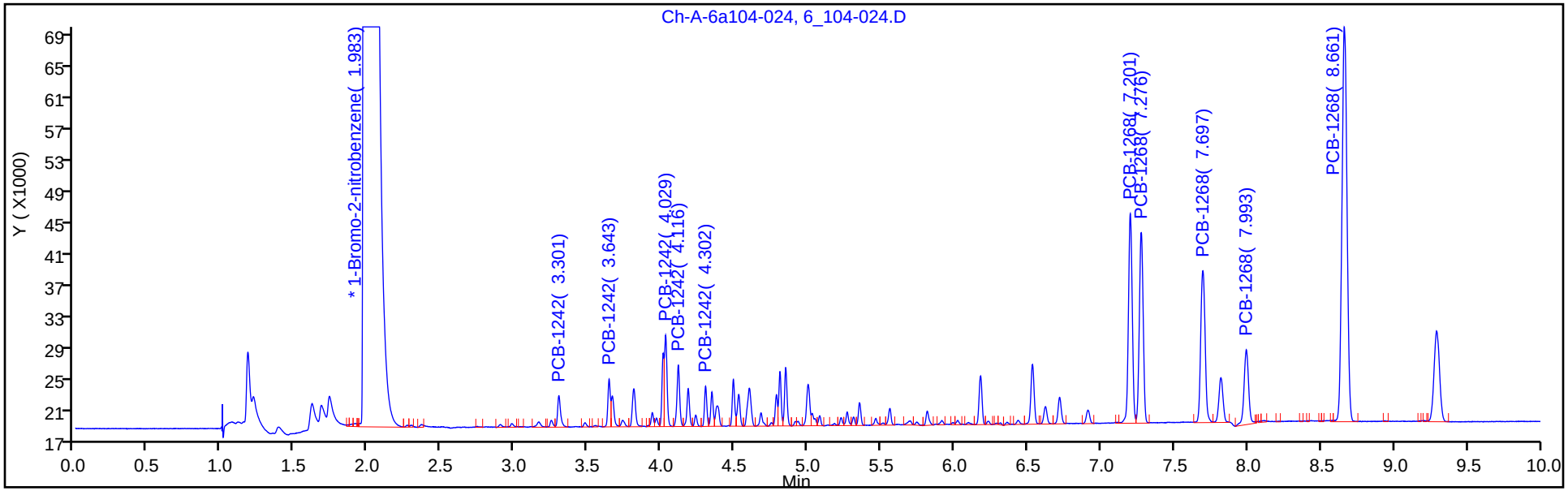
Lims ID: IC level 1 Worklist Smp#: 24

Client ID:

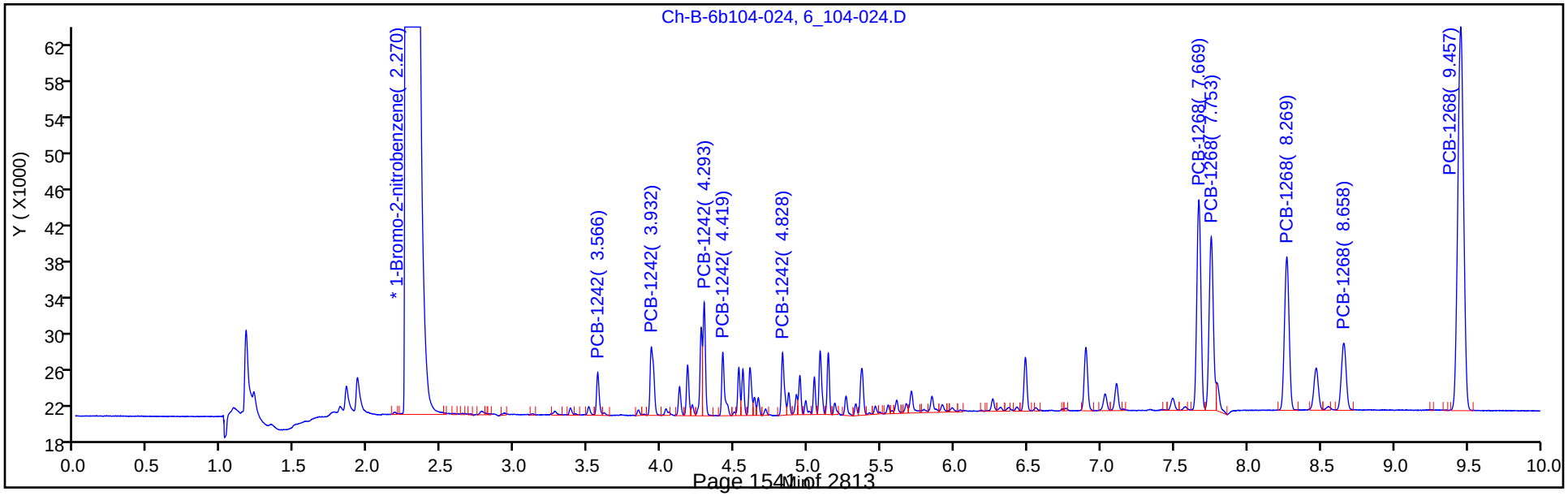
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-025.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 21:15:25 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:48 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:56

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5472623	0.5000	0.5000	
2	2.270	2.270	0.000	5858061	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.301	3.301	0.000	98554	0.5000	0.5390	
1	3.643	3.643	0.000	119994	0.5000	0.5366	
1	4.030	4.030	0.000	267903	0.5000	0.5068	
1	4.117	4.117	0.000	165242	0.5000	0.5206	
1	4.303	4.303	0.000	98205	0.5000	0.5248	
		Average of Peak Amounts =				0.5255	
2	3.565	3.565	0.000	103624	0.5000	0.5334	
2	3.931	3.931	0.000	231046	0.5000	0.5275	
2	4.293	4.293	0.000	271272	0.5000	0.5019	
2	4.419	4.419	0.000	180885	0.5000	0.5193	
2	4.828	4.828	0.000	172279	0.5000	0.5181	
		Average of Peak Amounts =				0.5200	
						RPD = 1.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.201	7.201	0.000	883731	0.5000	0.5052	
1	7.276	7.276	0.000	819935	0.5000	0.5017	
1	7.696	7.696	0.000	724274	0.5000	0.5007	
1	7.994	7.994	0.000	315654	0.5000	0.5105	
1	8.664	8.664	0.000	2451169	0.5000	0.5087	
		Average of Peak Amounts =				0.5054	
2	7.669	7.669	0.000	893089	0.5000	0.5059	
2	7.753	7.753	0.000	742018	0.5000	0.5012	
2	8.268	8.268	0.000	714991	0.5000	0.5029	
2	8.657	8.657	0.000	320160	0.5000	0.5141	
2	9.455	9.455	0.000	2418156	0.5000	0.5093	
		Average of Peak Amounts =				0.5067	
						RPD = 0.26	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@0.5_00104 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:49 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-025.D

Injection Date: 23-Feb-2022 21:15:25 Instrument ID: HP6890-6 Operator ID: BufTCHROM

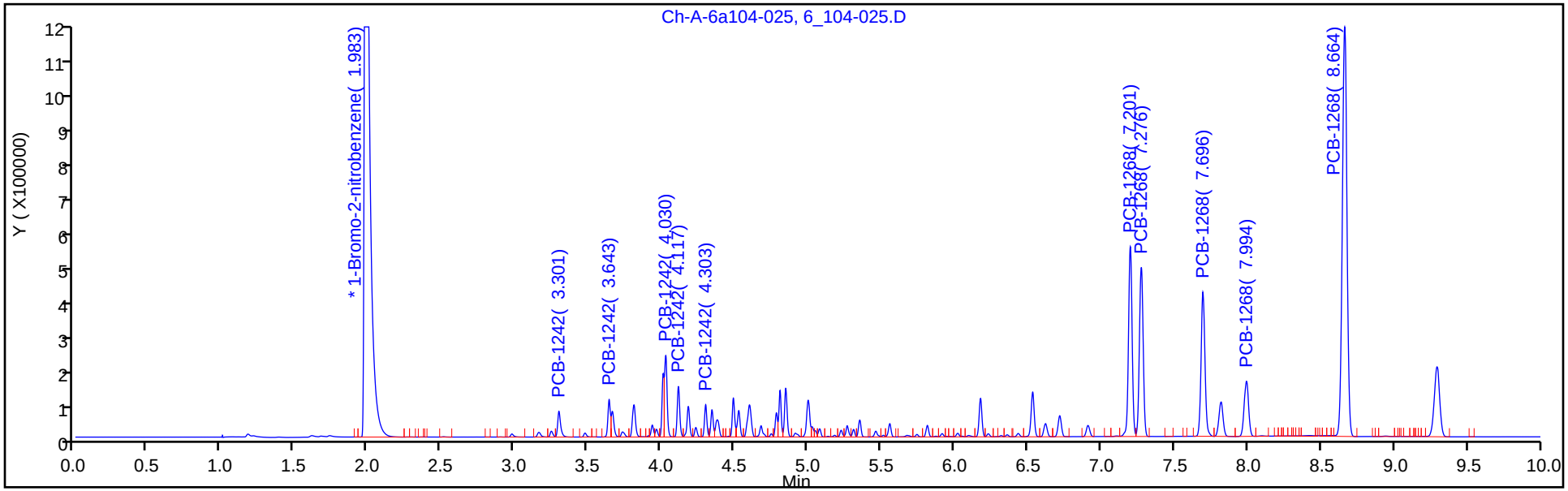
Lims ID: IC level 2 Worklist Smp#: 25

Client ID:

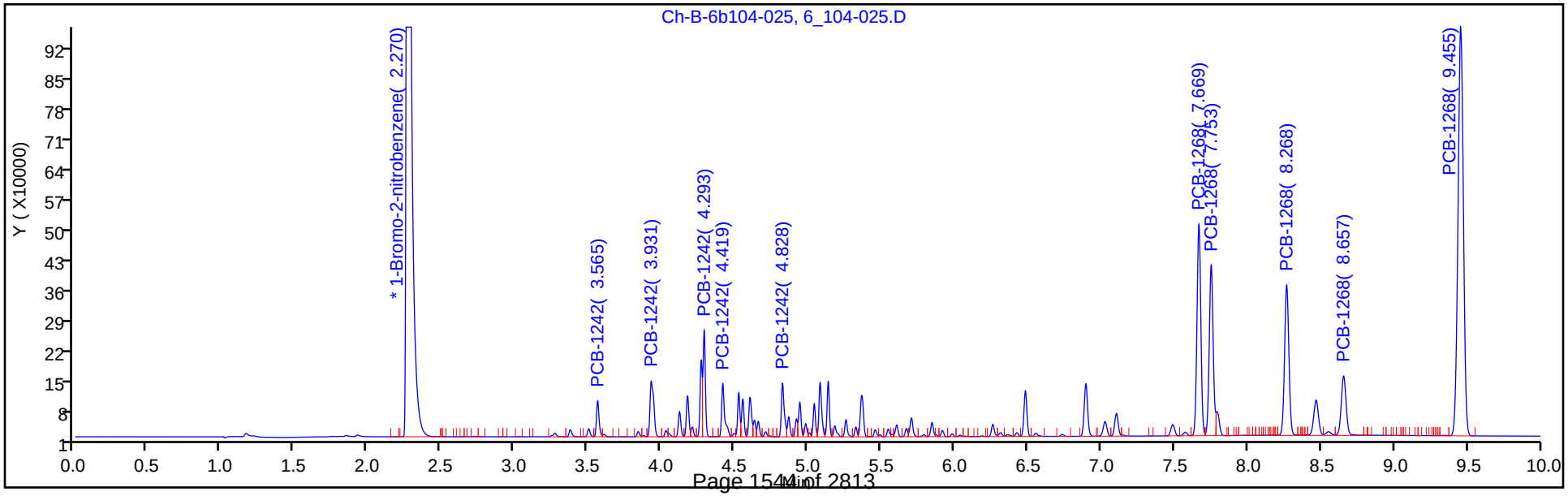
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-026.D				
Lims ID:	IC level 3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Feb-2022 21:28:49	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Sublist:	chrom-6890-6 PCB*sub6				
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	24-Feb-2022 16:57:50	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1604				

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.983	0.001	5800590	0.5000	0.5000	
2	2.270	2.270	0.000	6240239	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.300	3.301	-0.001	353823	2.00	1.85	
1	3.643	3.643	0.000	434370	2.00	1.86	
1	4.031	4.030	0.001	1098316	2.00	1.97	
1	4.117	4.117	0.000	637031	2.00	1.92	
1	4.303	4.303	0.000	373137	2.00	1.90	
		Average of Peak Amounts =				1.90	
2	3.566	3.565	0.001	382707	2.00	1.87	
2	3.932	3.931	0.001	872769	2.00	1.89	
2	4.293	4.293	0.000	1138411	2.00	1.99	
2	4.420	4.419	0.001	707574	2.00	1.93	
2	4.828	4.828	0.000	676981	2.00	1.93	
		Average of Peak Amounts =				1.92	
						RPD = 1.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.203	7.201	0.002	3638007	2.00	1.98	
1	7.277	7.276	0.001	3424866	2.00	1.99	
1	7.700	7.696	0.004	3032157	2.00	2.00	
1	7.994	7.994	0.000	1262291	2.00	1.96	
1	8.664	8.664	0.000	9990272	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	7.671	7.669	0.002	3695792	2.00	1.98	
2	7.755	7.753	0.002	3125873	2.00	2.00	
2	8.271	8.268	0.003	2991233	2.00	1.99	
2	8.661	8.657	0.004	1279717	2.00	1.95	
2	9.458	9.455	0.003	9890363	2.00	1.96	
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

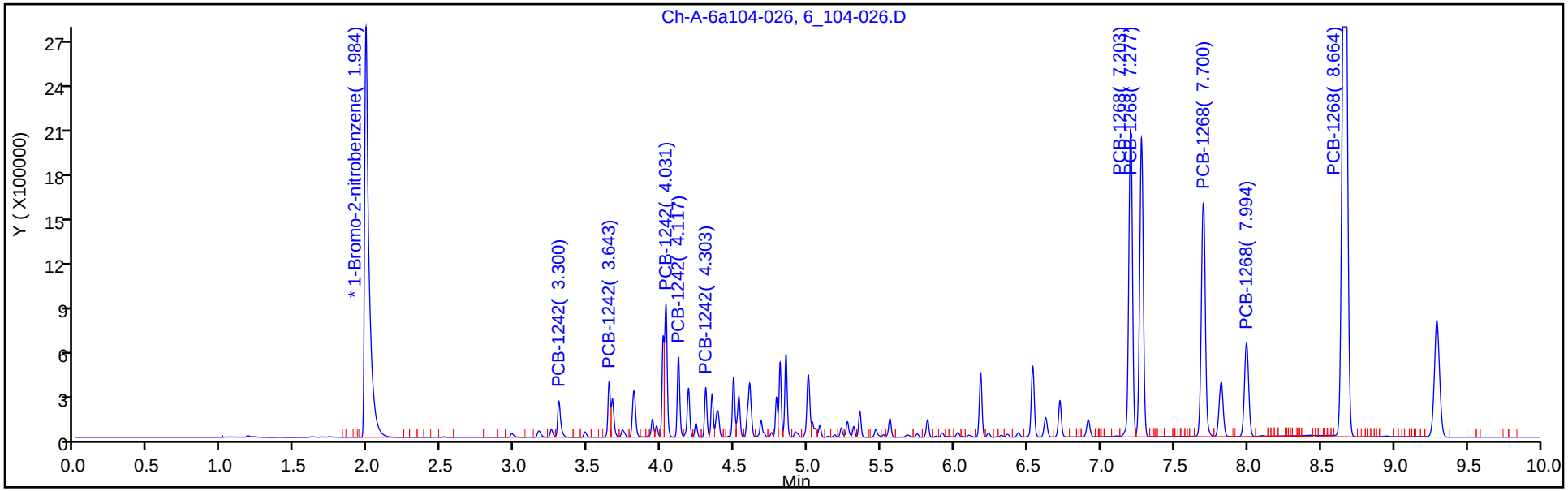
42-68w/IS@2.0_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

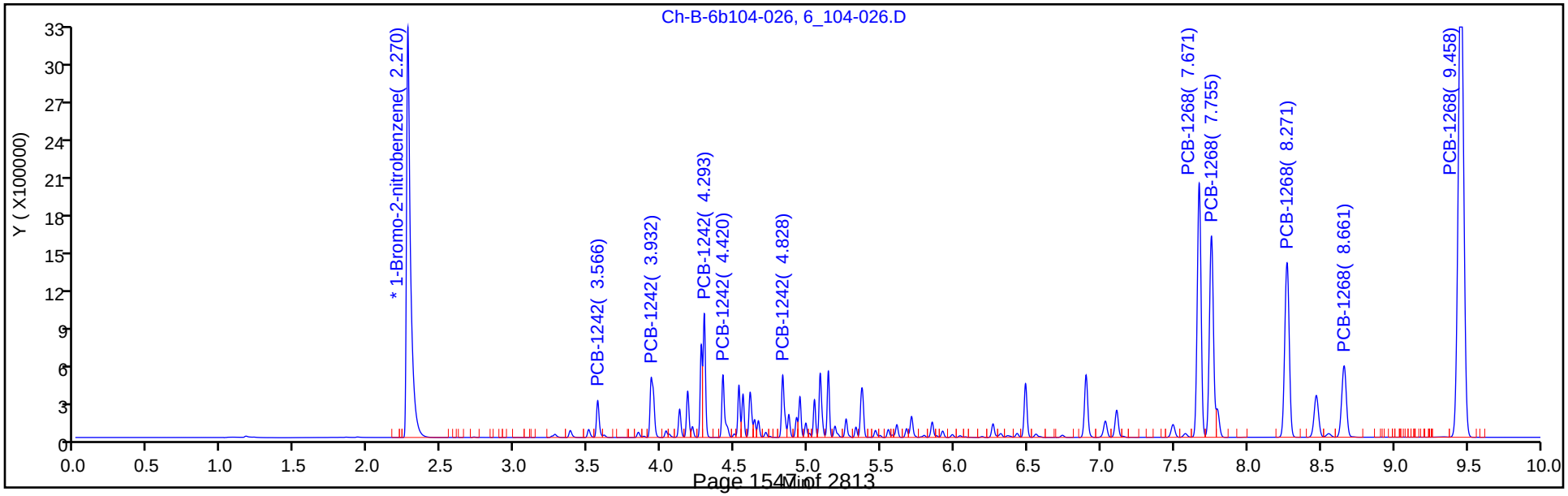
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-026.D				
Injection Date:	23-Feb-2022 21:28:49	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1242 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

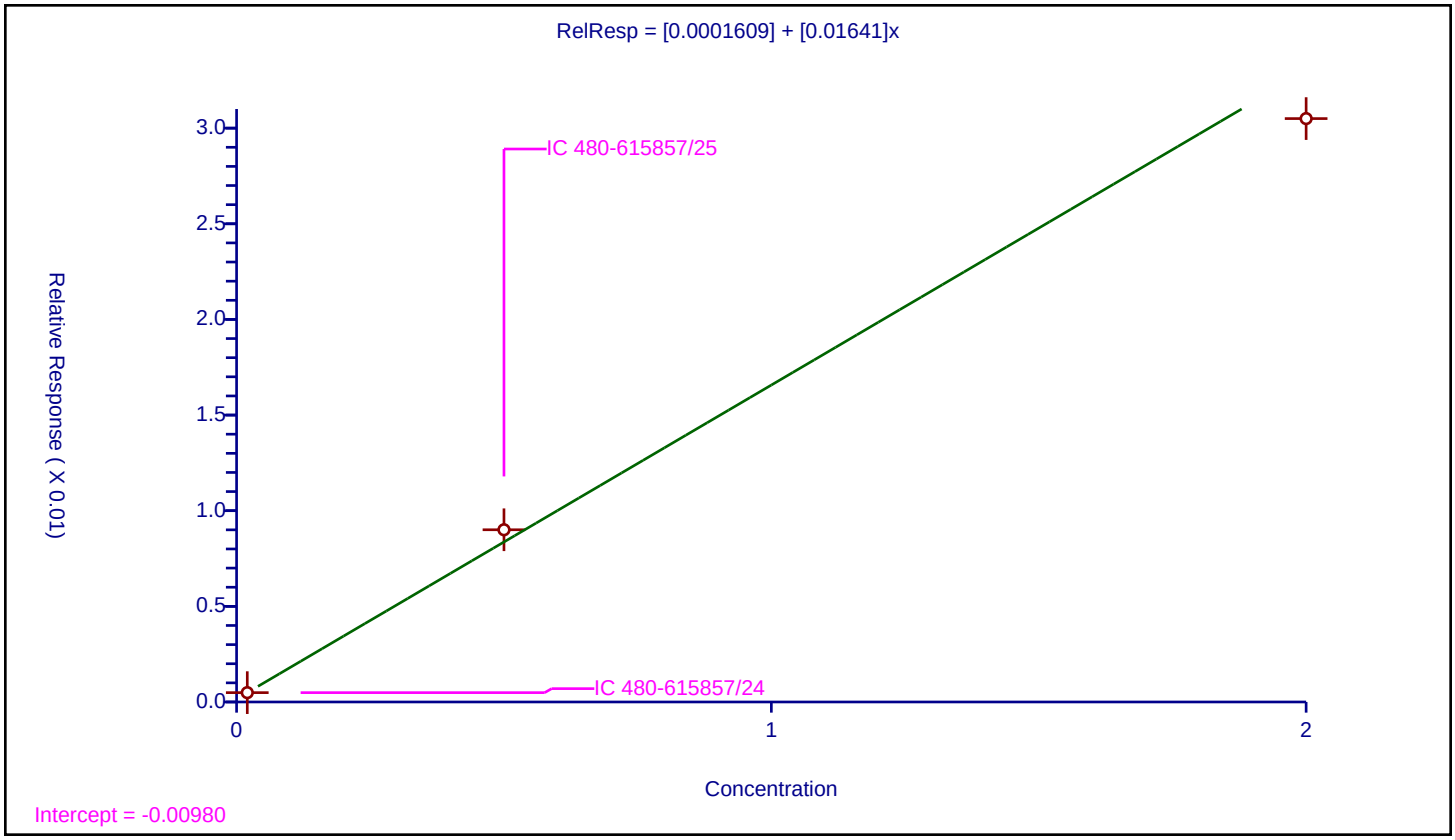
Curve Coefficients

Intercept:	0.0001609
Slope:	0.01641

Error Coefficients

Standard Error:	367000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000488	0.5	5909886.0	0.024412	Y
2	IC 480-615857/25	0.5	0.009004	0.5	5472623.0	0.018009	Y
3	IC 480-615857/26	2.0	0.030499	0.5	5800590.0	0.015249	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

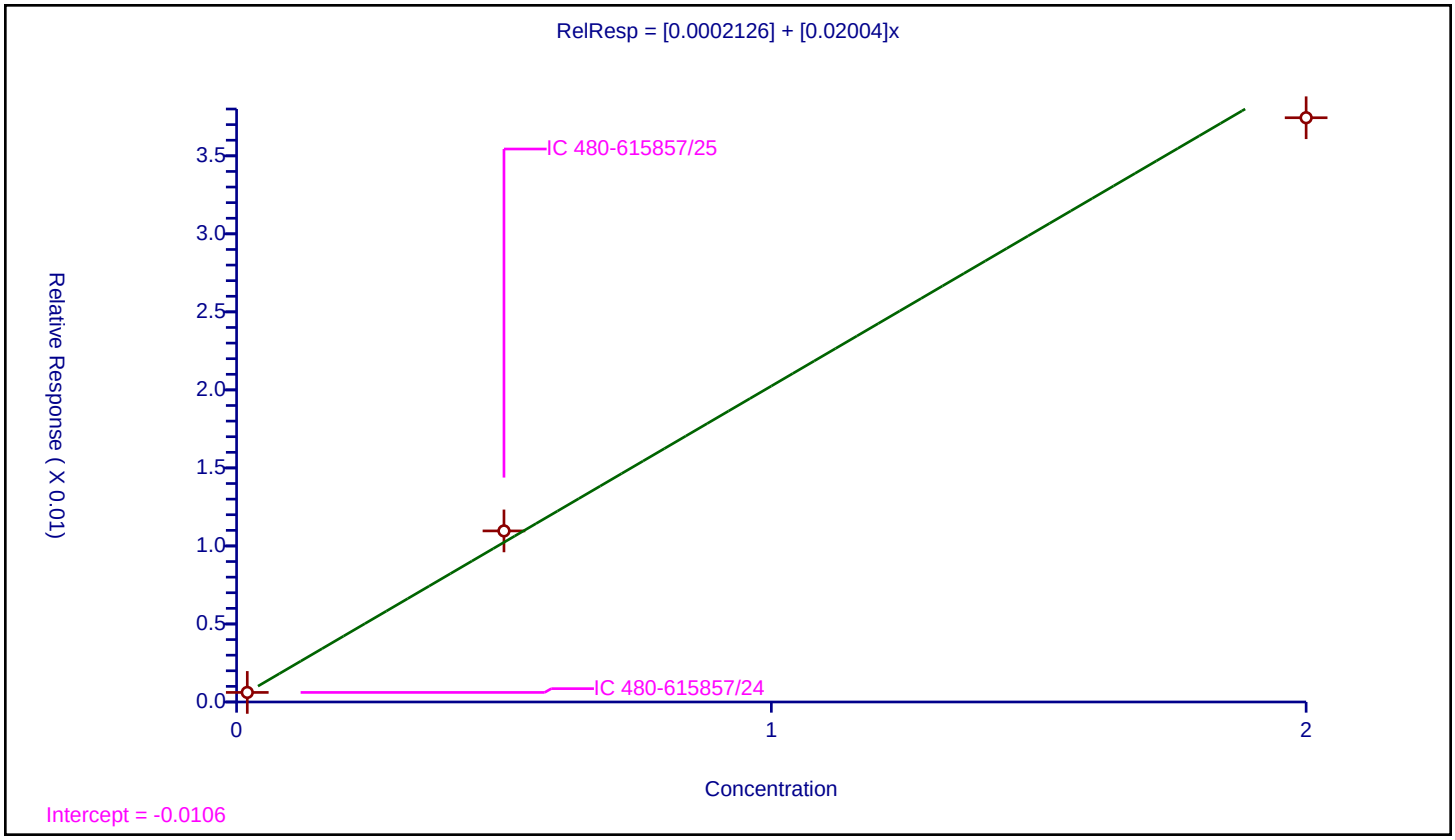
Curve Coefficients

Intercept:	0.0002126
Slope:	0.02004

Error Coefficients

Standard Error:	451000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000612	0.5	5909886.0	0.030622	Y
2	IC 480-615857/25	0.5	0.010963	0.5	5472623.0	0.021926	Y
3	IC 480-615857/26	2.0	0.037442	0.5	5800590.0	0.018721	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

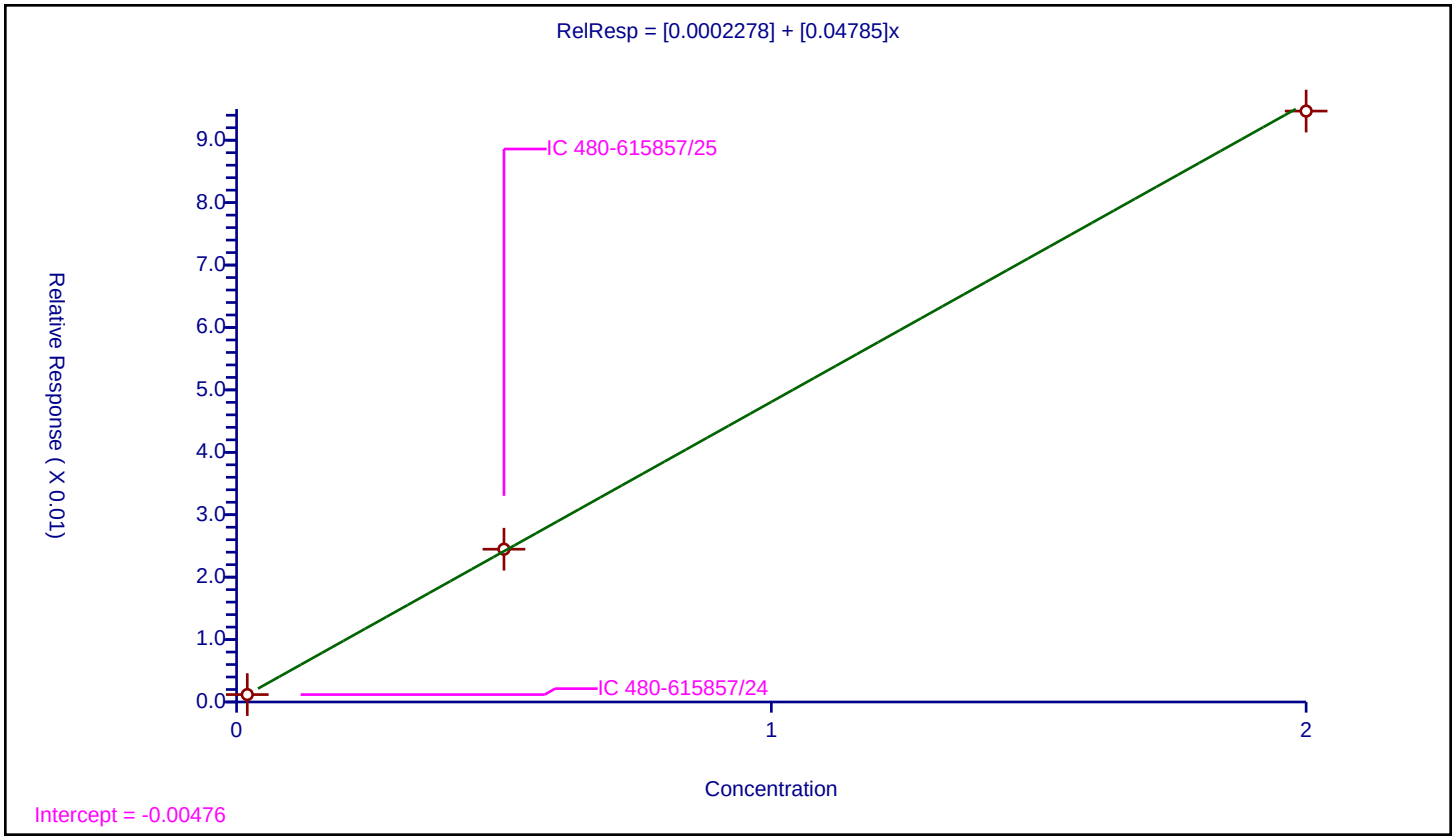
Curve Coefficients

Intercept:	0.0002278
Slope:	0.04785

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.001184	0.5	5909886.0	0.059219	Y
2	IC 480-615857/25	0.5	0.024477	0.5	5472623.0	0.048953	Y
3	IC 480-615857/26	2.0	0.094673	0.5	5800590.0	0.047336	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

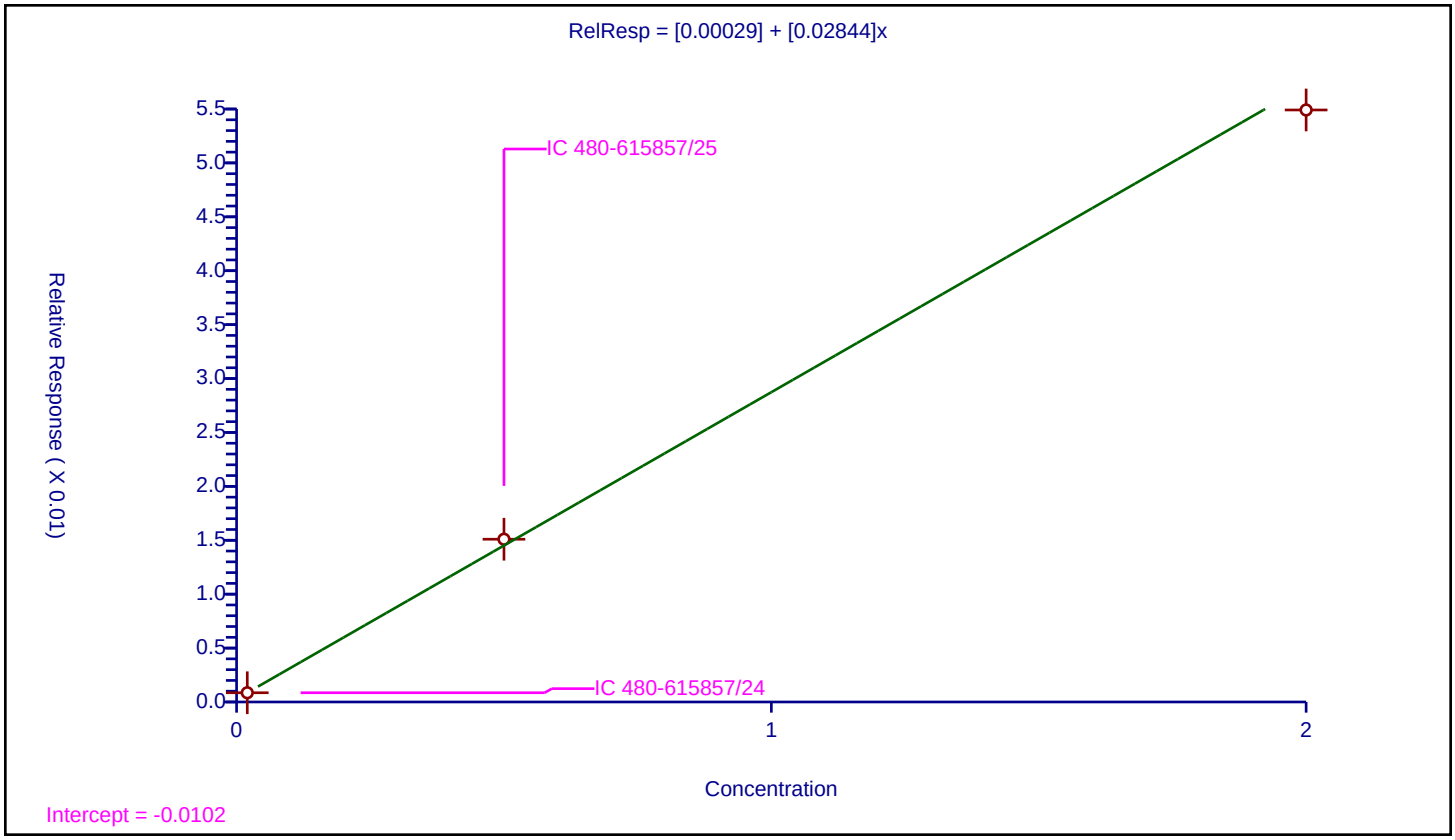
Curve Coefficients

Intercept:	0.00029
Slope:	0.02844

Error Coefficients

Standard Error:	658000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000858	0.5	5909886.0	0.042907	Y
2	IC 480-615857/25	0.5	0.015097	0.5	5472623.0	0.030194	Y
3	IC 480-615857/26	2.0	0.054911	0.5	5800590.0	0.027455	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

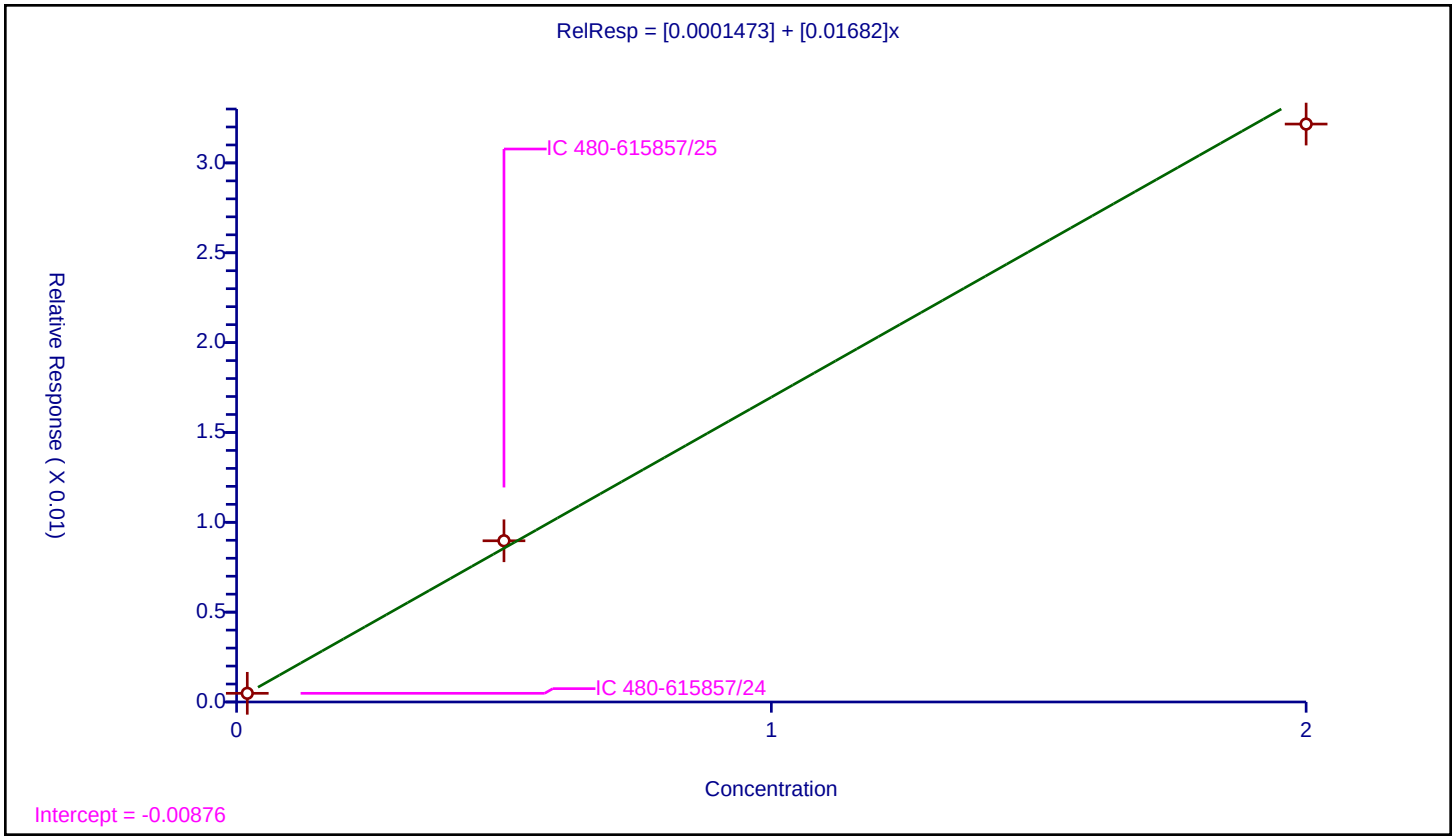
Curve Coefficients

Intercept:	0.0001473
Slope:	0.01682

Error Coefficients

Standard Error:	386000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000483	0.5	5909886.0	0.024154	Y
2	IC 480-615857/25	0.5	0.008972	0.5	5472623.0	0.017945	Y
3	IC 480-615857/26	2.0	0.032164	0.5	5800590.0	0.016082	Y



Calibration / PCB-1268 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

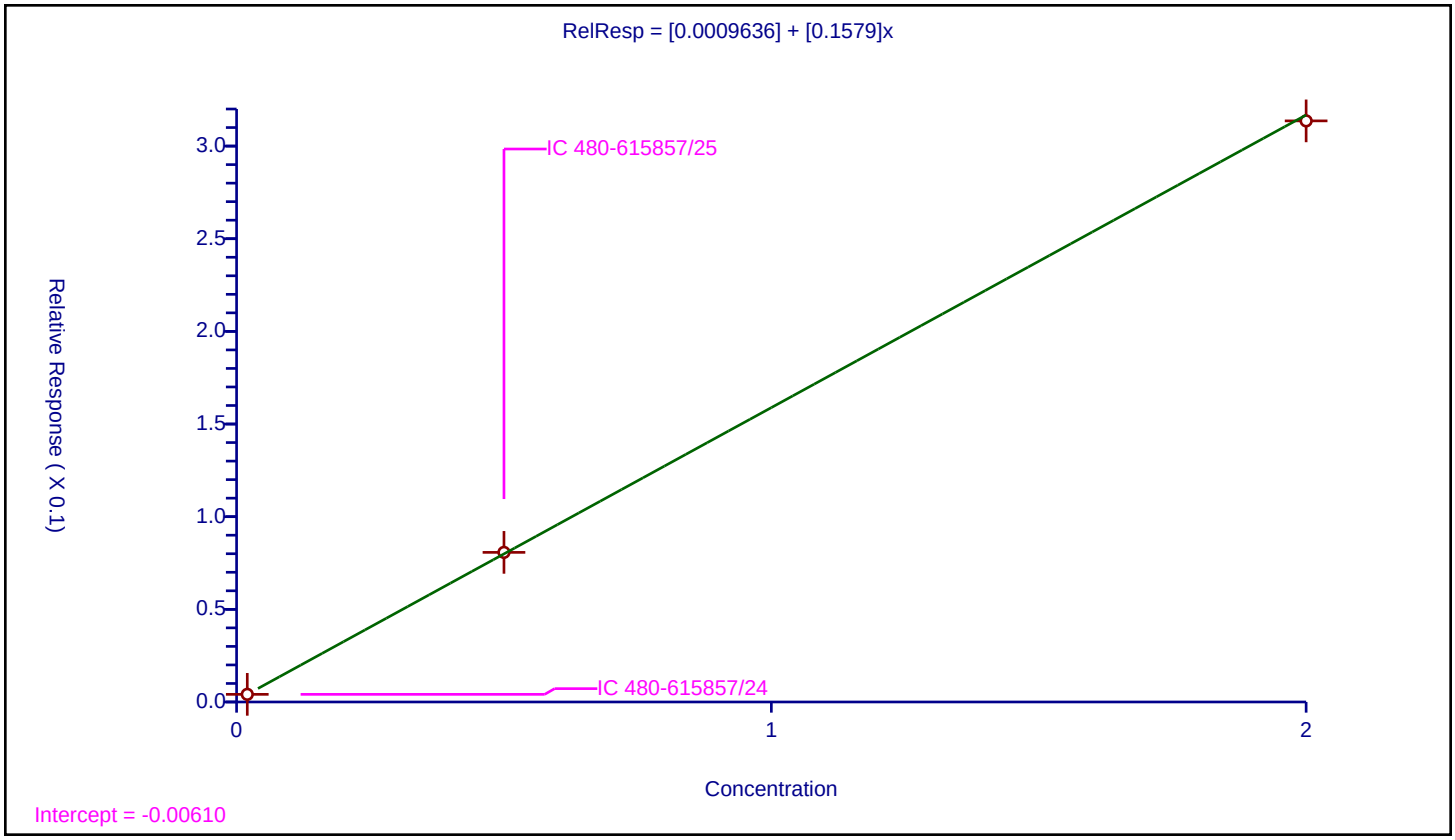
Curve Coefficients

Intercept:	0.0009636
Slope:	0.1579

Error Coefficients

Standard Error:	3740000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.004121	0.5	5909886.0	0.20604	Y
2	IC 480-615857/25	0.5	0.080741	0.5	5472623.0	0.161482	Y
3	IC 480-615857/26	2.0	0.313589	0.5	5800590.0	0.156795	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

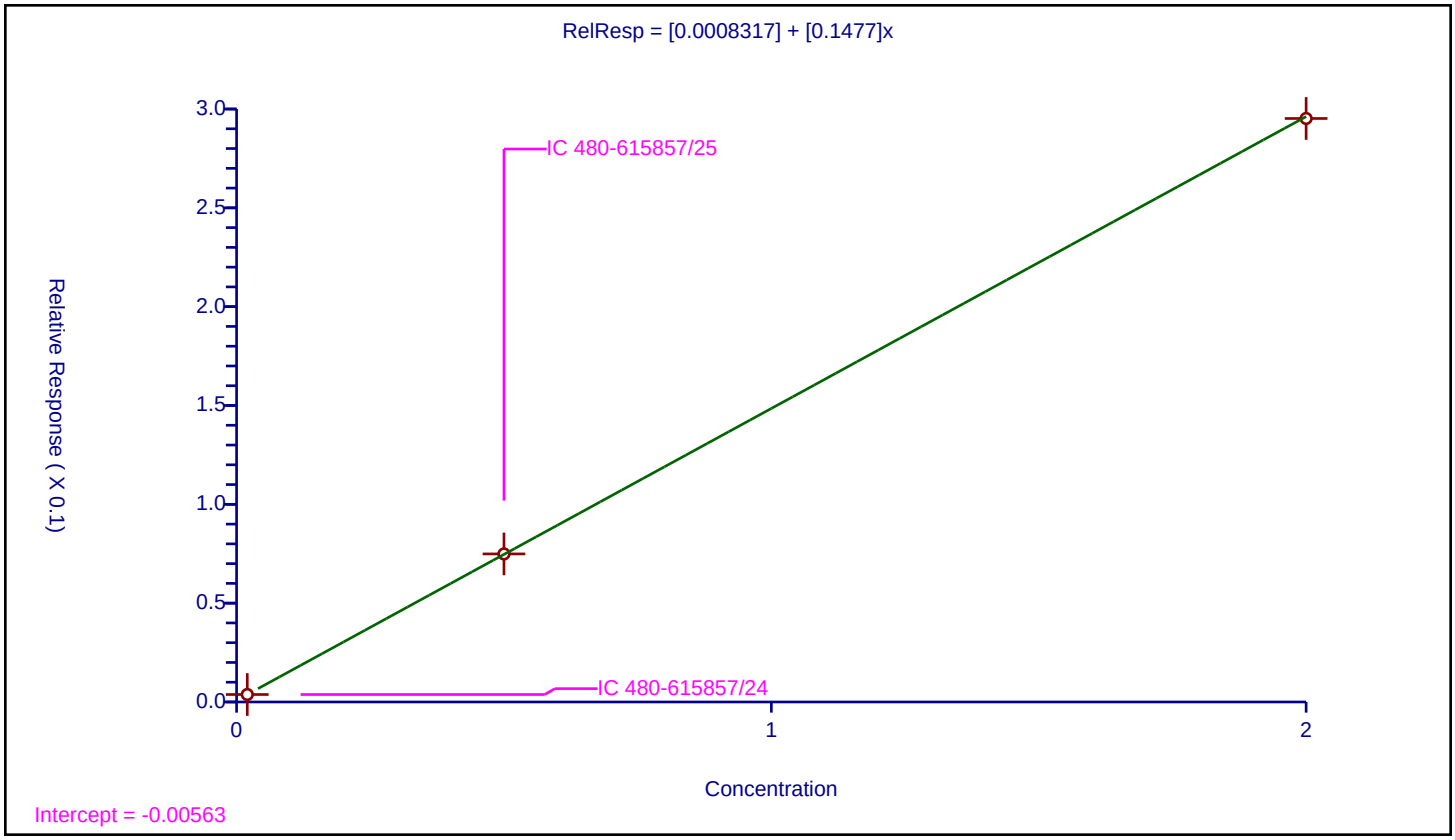
Curve Coefficients

Intercept:	0.0008317
Slope:	0.1477

Error Coefficients

Standard Error:	3520000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.003785	0.5	5909886.0	0.189238	Y
2	IC 480-615857/25	0.5	0.074912	0.5	5472623.0	0.149825	Y
3	IC 480-615857/26	2.0	0.295217	0.5	5800590.0	0.147609	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

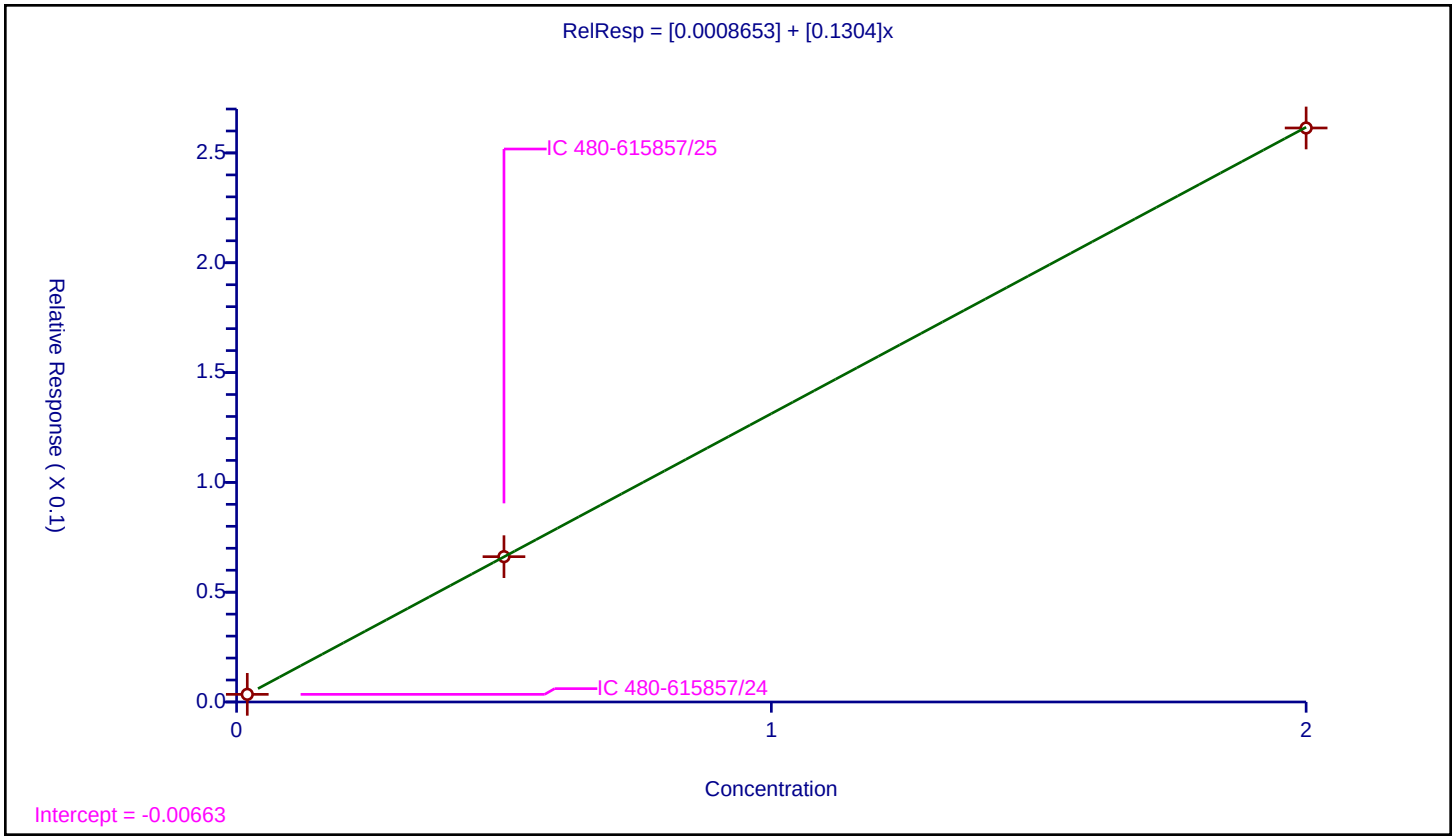
Curve Coefficients

Intercept:	0.0008653
Slope:	0.1304

Error Coefficients

Standard Error:	3120000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.003474	0.5	5909886.0	0.173688	Y
2	IC 480-615857/25	0.5	0.066172	0.5	5472623.0	0.132345	Y
3	IC 480-615857/26	2.0	0.261366	0.5	5800590.0	0.130683	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

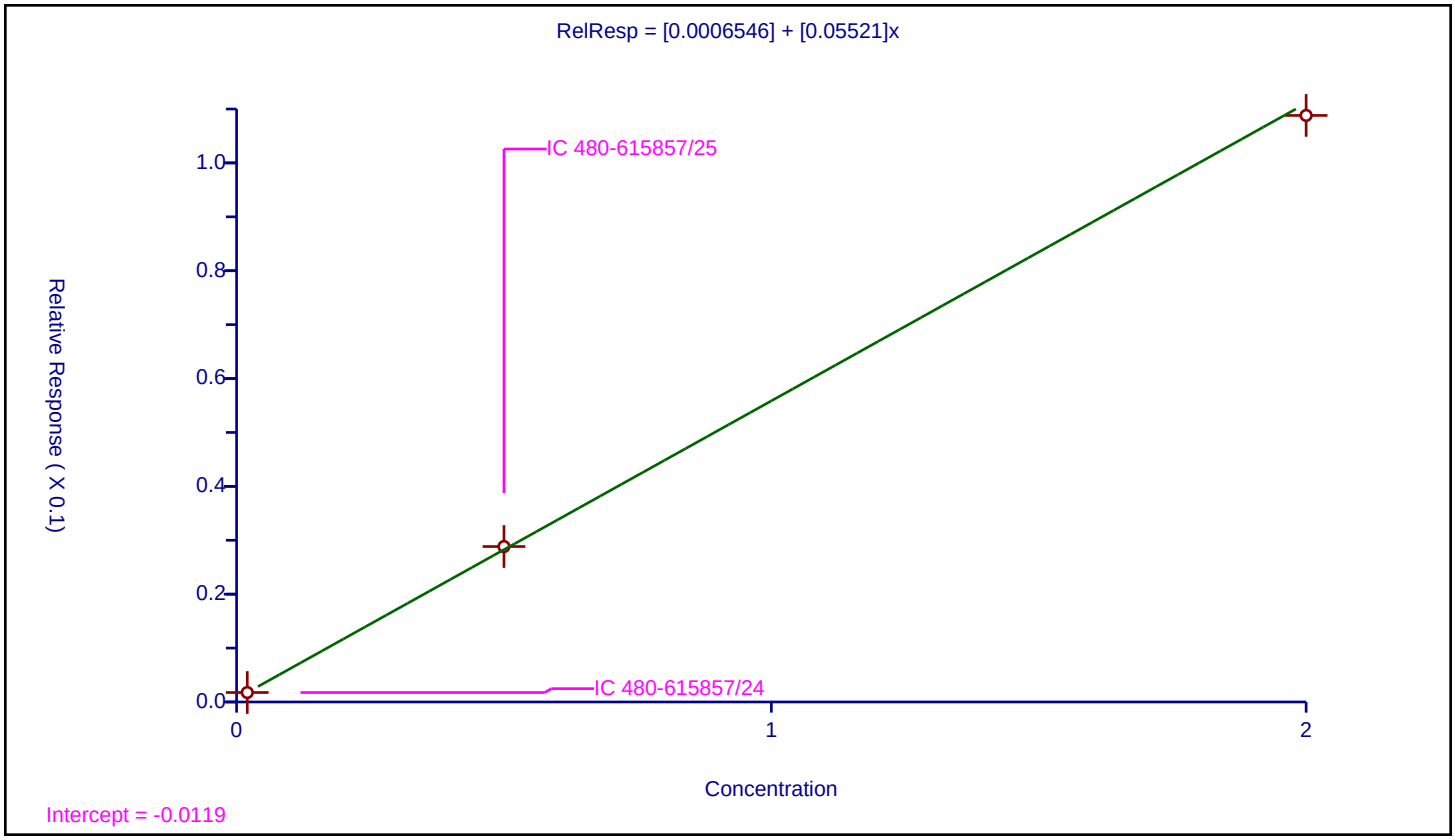
Curve Coefficients

Intercept:	0.0006546
Slope:	0.05521

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.001758	0.5	5909886.0	0.087899	Y
2	IC 480-615857/25	0.5	0.028839	0.5	5472623.0	0.057679	Y
3	IC 480-615857/26	2.0	0.108807	0.5	5800590.0	0.054404	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

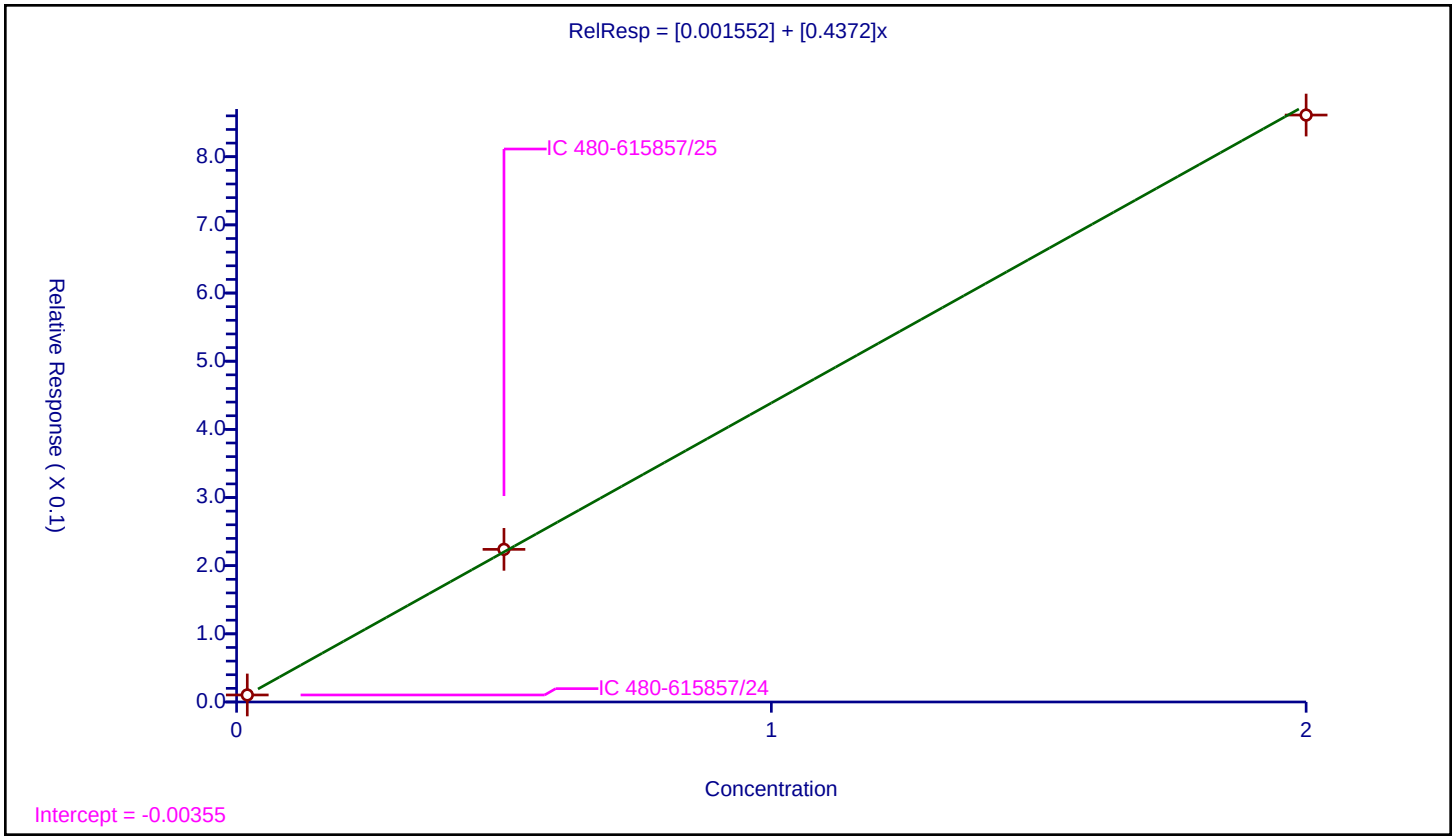
Curve Coefficients

Intercept:	0.001552
Slope:	0.4372

Error Coefficients

Standard Error:	10300000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.010291	0.5	5909886.0	0.51457	Y
2	IC 480-615857/25	0.5	0.223948	0.5	5472623.0	0.447897	Y
3	IC 480-615857/26	2.0	0.861143	0.5	5800590.0	0.430571	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:02 Calibration End Date: 02/23/2022 21:28 Calibration ID: 43149

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/24	6_104-024.D
Level 2	IC 480-615857/25	6_104-025.D
Level 3	IC 480-615857/26	6_104-026.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				B	M1	M2								
PCB-1242 Peak 1	0.0233	0.0177	0.0153			Lin2	0.0001	0.0163				9.3			0.9950		0.9900
PCB-1242 Peak 2	0.0530	0.0394	0.0350			Lin2	0.0003	0.0368				7.7			0.9970		0.9900
PCB-1242 Peak 3	0.0576	0.0463	0.0456			Lin2	0.0002	0.0457				0.5			1.0000		0.9900
PCB-1242 Peak 4	0.0393	0.0309	0.0283			Lin2	0.0002	0.0293				5.4			0.9980		0.9900
PCB-1242 Peak 5	0.0375	0.0294	0.0271			Lin2	0.0002	0.0280				5.1			0.9990		0.9900
PCB-1268 Peak 1	0.1793	0.1525	0.1481			Lin2	0.0006	0.1495				1.7			1.0000		0.9900
PCB-1268 Peak 2	0.1538	0.1267	0.1252			Lin2	0.0006	0.1252				0.3			1.0000		0.9900
PCB-1268 Peak 3	0.1479	0.1221	0.1198			Lin2	0.0006	0.1202				0.8			1.0000		0.9900
PCB-1268 Peak 4	0.0681	0.0547	0.0513			Lin2	0.0003	0.0525				3.9			0.9990		0.9900
PCB-1268 Peak 5	0.4627	0.4128	0.3962			Lin2	0.0012	0.4029				2.6			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:02 Calibration End Date: 02/23/2022 21:28 Calibration ID: 43149

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/24	6_104-024.D
Level 2	IC 480-615857/25	6_104-025.D
Level 3	IC 480-615857/26	6_104-026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin2	5902	103624	382707			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin2	13441	231046	872769			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin2	14618	271272	1138411			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin2	9979	180885	707574			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin2	9512	172279	676981			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin2	45486	893089	3695792			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin2	39007	742018	3125873			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin2	37520	714991	2991233			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin2	17264	320160	1279717			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin2	117370	2418156	9890363			0.0200	0.500	2.00		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-024.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 21:02:10 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:46 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5909886	0.5000	0.5000	
2	2.270	2.270	0.000	6340976	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.301	3.301	0.000	5771	0.0200	0.0200	
1	3.643	3.643	0.000	7239	0.0200	0.0200	
1	4.029	4.029	0.000	13999	0.0200	0.0200	
1	4.116	4.116	0.000	10143	0.0200	0.0200	
1	4.302	4.302	0.000	5710	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	3.566	3.566	0.000	5902	0.0200	0.0200	
2	3.932	3.932	0.000	13441	0.0200	0.0200	
2	4.293	4.293	0.000	14618	0.0200	0.0200	
2	4.419	4.419	0.000	9979	0.0200	0.0200	
2	4.828	4.828	0.000	9512	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.03	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.201	7.201	0.000	48707	0.0200	0.0200	
1	7.276	7.276	0.000	44735	0.0200	0.0200	
1	7.697	7.697	0.000	41059	0.0200	0.0200	
1	7.993	7.993	0.000	20779	0.0200	0.0200	
1	8.661	8.661	0.000	121642	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	7.669	7.669	0.000	45486	0.0200	0.0200	
2	7.753	7.753	0.000	39007	0.0200	0.0200	
2	8.269	8.269	0.000	37520	0.0200	0.0200	
2	8.658	8.658	0.000	17264	0.0200	0.0200	
2	9.457	9.457	0.000	117370	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.01	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@.02_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:47 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-024.D

Injection Date: 23-Feb-2022 21:02:10 Instrument ID: HP6890-6 Operator ID: BufTCHROM

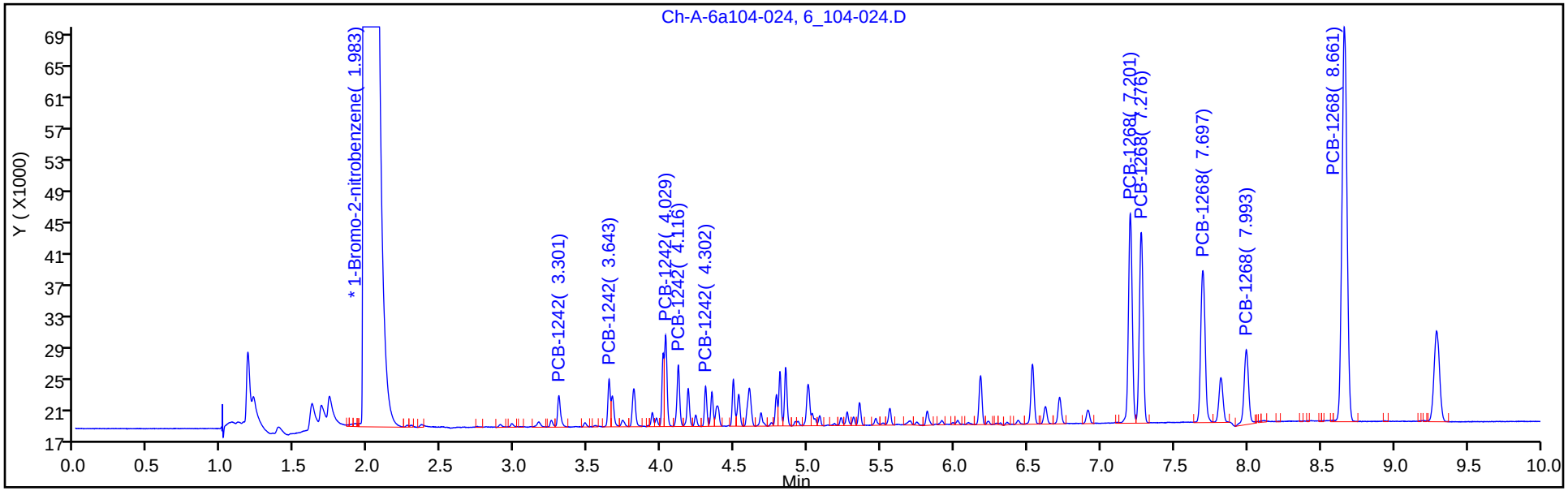
Lims ID: IC level 1 Worklist Smp#: 24

Client ID:

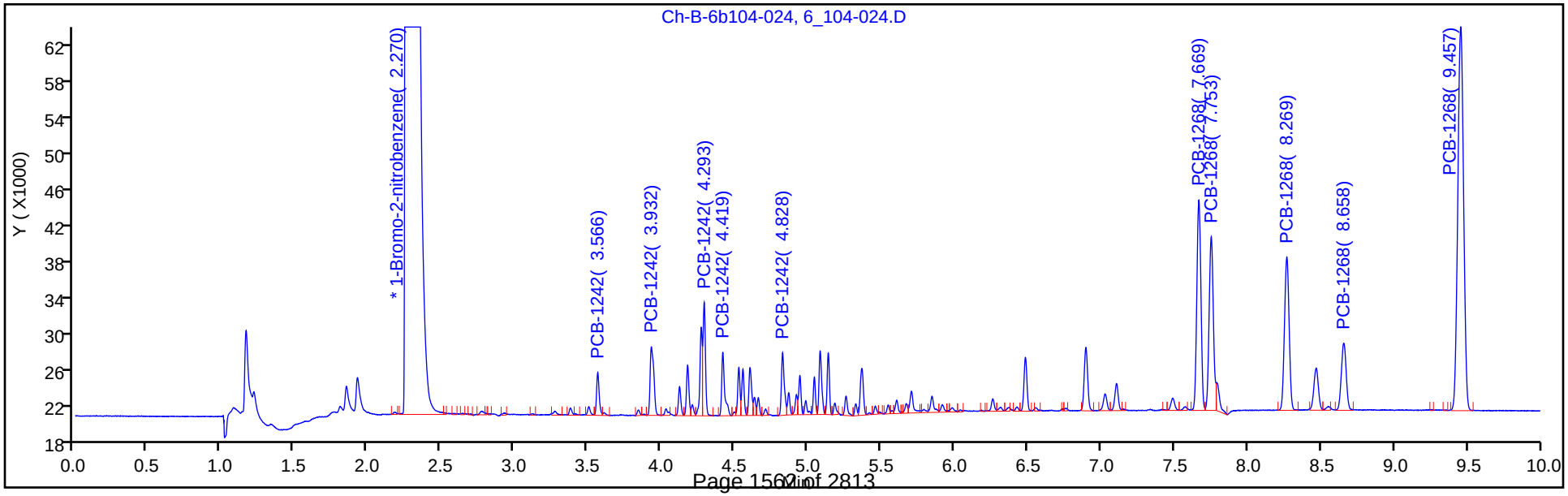
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-025.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 21:15:25 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:48 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:56

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5472623	0.5000	0.5000	
2	2.270	2.270	0.000	5858061	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.301	3.301	0.000	98554	0.5000	0.5390	
1	3.643	3.643	0.000	119994	0.5000	0.5366	
1	4.030	4.030	0.000	267903	0.5000	0.5068	
1	4.117	4.117	0.000	165242	0.5000	0.5206	
1	4.303	4.303	0.000	98205	0.5000	0.5248	
		Average of Peak Amounts =				0.5255	
2	3.565	3.565	0.000	103624	0.5000	0.5334	
2	3.931	3.931	0.000	231046	0.5000	0.5275	
2	4.293	4.293	0.000	271272	0.5000	0.5019	
2	4.419	4.419	0.000	180885	0.5000	0.5193	
2	4.828	4.828	0.000	172279	0.5000	0.5181	
		Average of Peak Amounts =				0.5200	
						RPD = 1.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.201	7.201	0.000	883731	0.5000	0.5052	
1	7.276	7.276	0.000	819935	0.5000	0.5017	
1	7.696	7.696	0.000	724274	0.5000	0.5007	
1	7.994	7.994	0.000	315654	0.5000	0.5105	
1	8.664	8.664	0.000	2451169	0.5000	0.5087	
		Average of Peak Amounts =				0.5054	
2	7.669	7.669	0.000	893089	0.5000	0.5059	
2	7.753	7.753	0.000	742018	0.5000	0.5012	
2	8.268	8.268	0.000	714991	0.5000	0.5029	
2	8.657	8.657	0.000	320160	0.5000	0.5141	
2	9.455	9.455	0.000	2418156	0.5000	0.5093	
		Average of Peak Amounts =				0.5067	
						RPD = 0.26	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@0.5_00104 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:49 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-025.D

Injection Date: 23-Feb-2022 21:15:25 Instrument ID: HP6890-6 Operator ID: BufTCHROM

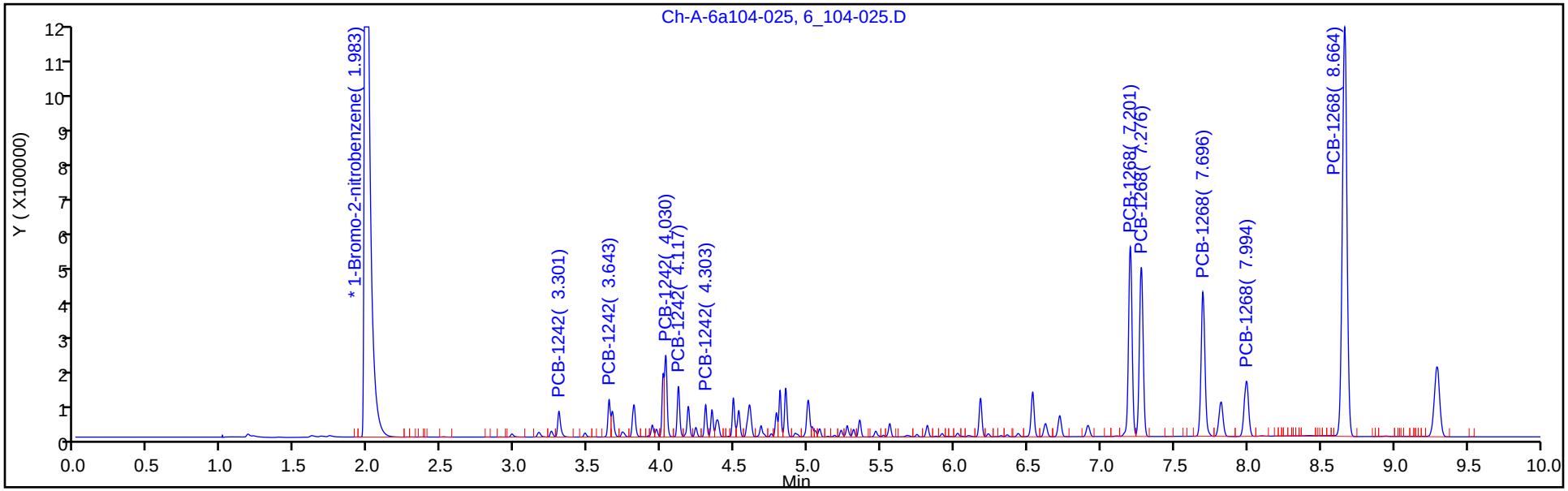
Lims ID: IC level 2 Worklist Smp#: 25

Client ID:

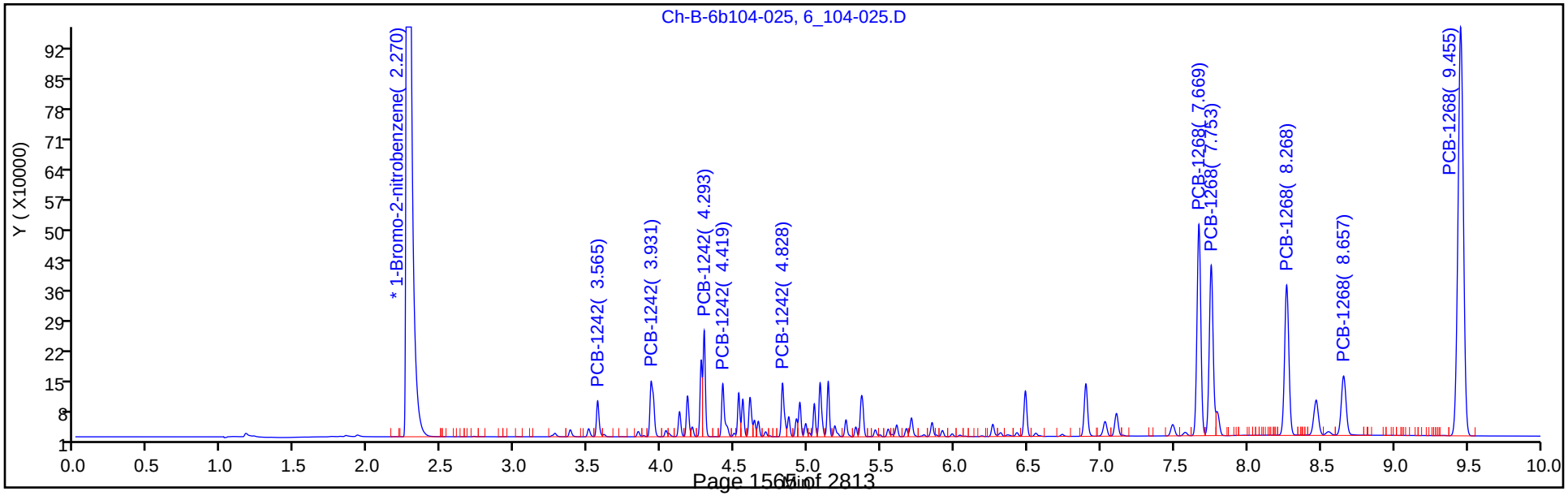
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-026.D				
Lims ID:	IC level 3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	23-Feb-2022 21:28:49	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Sublist:	chrom-6890-6 PCB*sub6				
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	24-Feb-2022 16:57:50	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1604				

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.983	0.001	5800590	0.5000	0.5000	
2	2.270	2.270	0.000	6240239	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.300	3.301	-0.001	353823	2.00	1.85	
1	3.643	3.643	0.000	434370	2.00	1.86	
1	4.031	4.030	0.001	1098316	2.00	1.97	
1	4.117	4.117	0.000	637031	2.00	1.92	
1	4.303	4.303	0.000	373137	2.00	1.90	
		Average of Peak Amounts =				1.90	
2	3.566	3.565	0.001	382707	2.00	1.87	
2	3.932	3.931	0.001	872769	2.00	1.89	
2	4.293	4.293	0.000	1138411	2.00	1.99	
2	4.420	4.419	0.001	707574	2.00	1.93	
2	4.828	4.828	0.000	676981	2.00	1.93	
		Average of Peak Amounts =				1.92	
						RPD = 1.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.203	7.201	0.002	3638007	2.00	1.98	
1	7.277	7.276	0.001	3424866	2.00	1.99	
1	7.700	7.696	0.004	3032157	2.00	2.00	
1	7.994	7.994	0.000	1262291	2.00	1.96	
1	8.664	8.664	0.000	9990272	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	7.671	7.669	0.002	3695792	2.00	1.98	
2	7.755	7.753	0.002	3125873	2.00	2.00	
2	8.271	8.268	0.003	2991233	2.00	1.99	
2	8.661	8.657	0.004	1279717	2.00	1.95	
2	9.458	9.455	0.003	9890363	2.00	1.96	
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

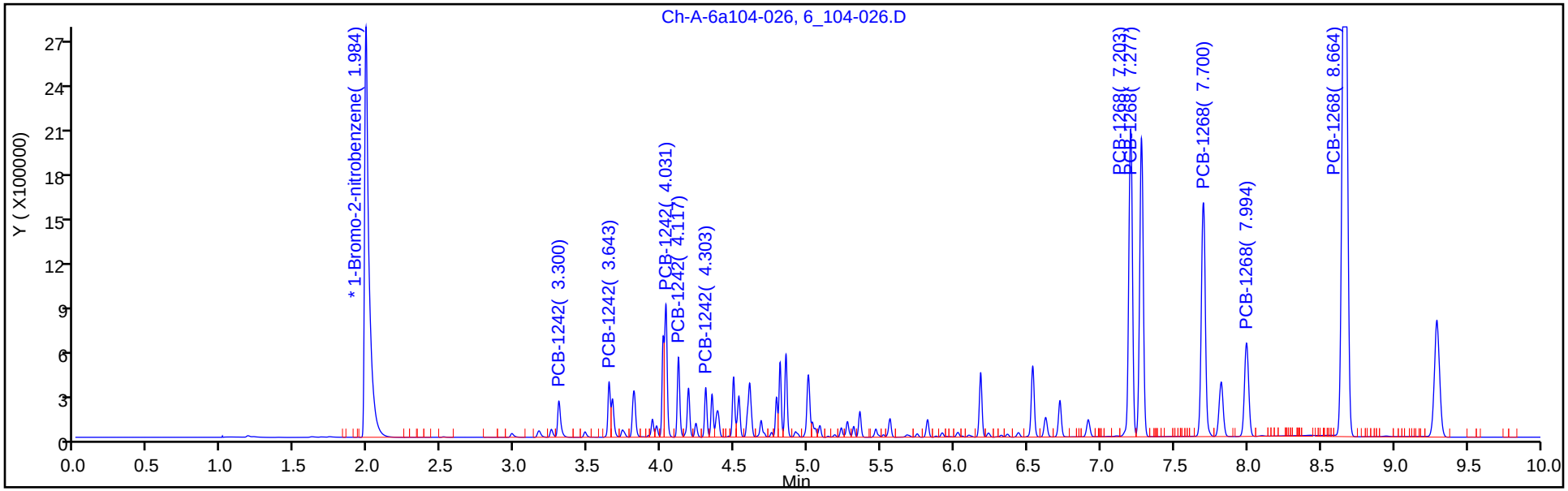
42-68w/IS@2.0_00024 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

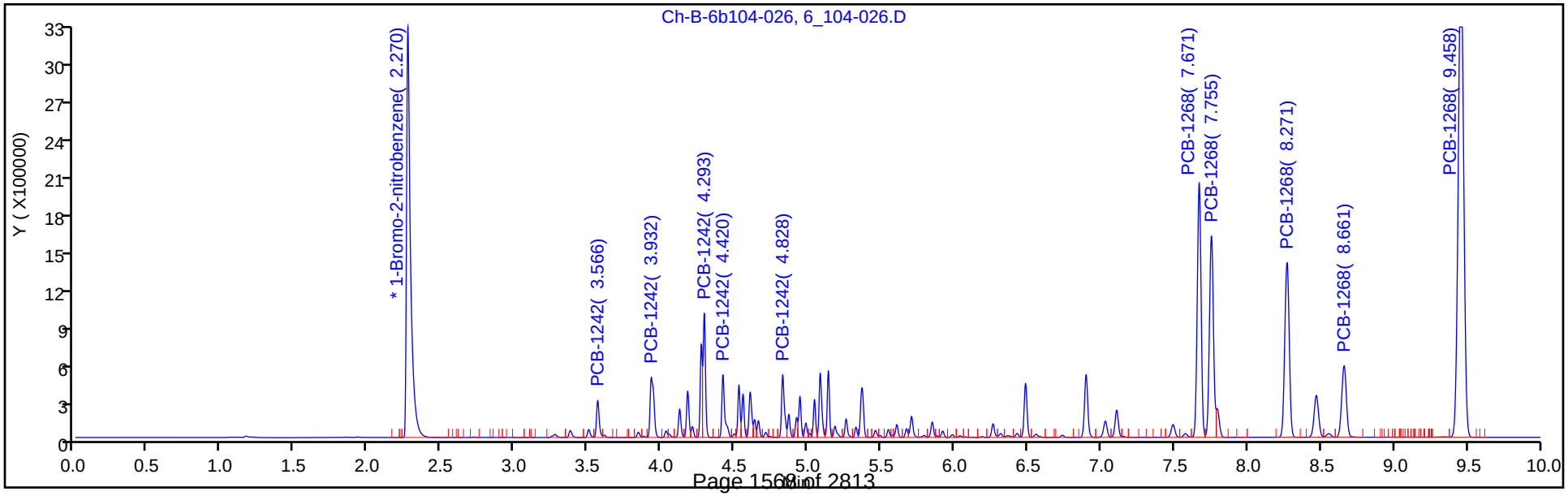
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-026.D				
Injection Date:	23-Feb-2022 21:28:49	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1242 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

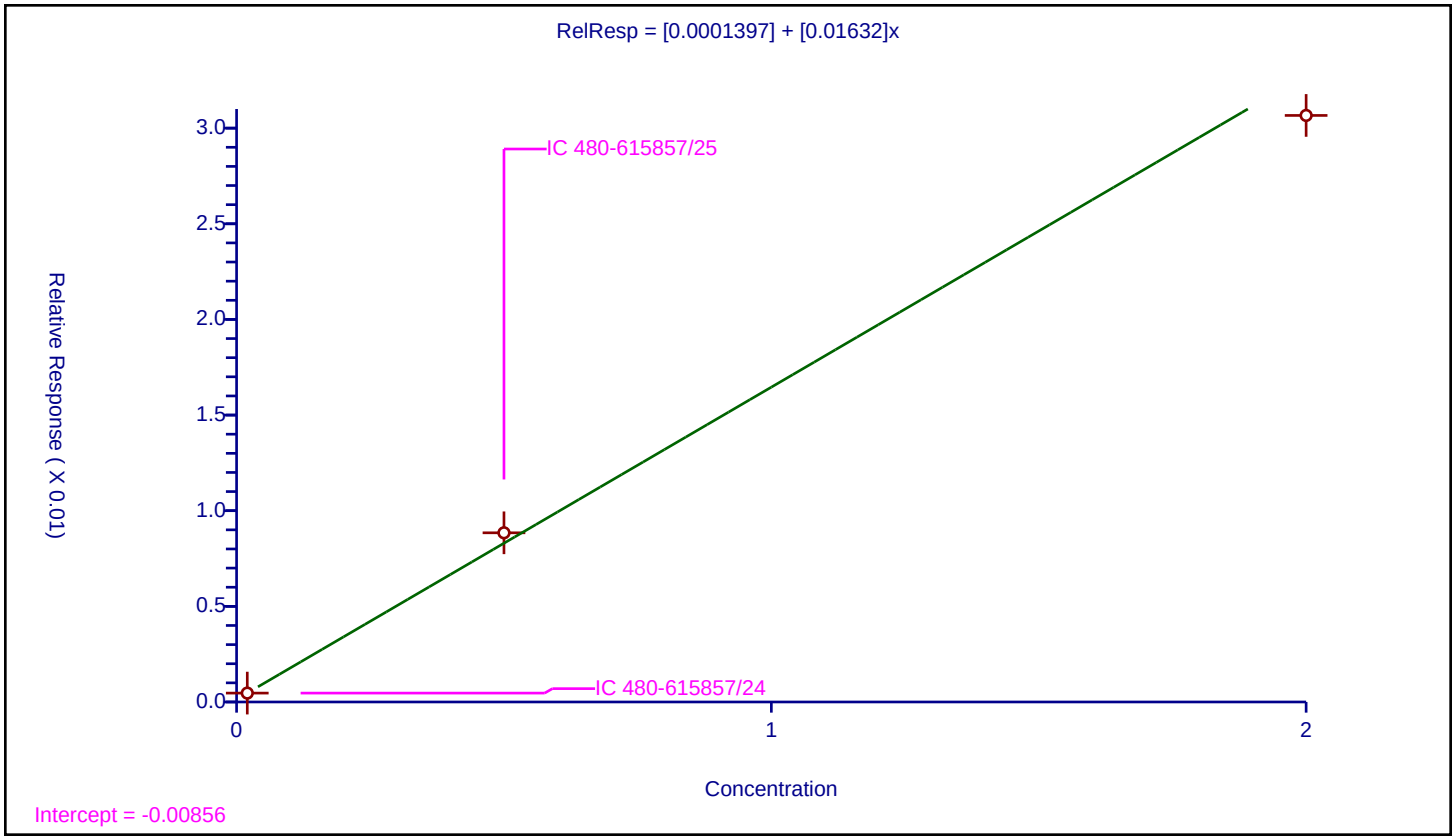
Curve Coefficients

Intercept:	0.0001397
Slope:	0.01632

Error Coefficients

Standard Error:	397000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000465	0.5	6340976.0	0.023269	Y
2	IC 480-615857/25	0.5	0.008845	0.5	5858061.0	0.017689	Y
3	IC 480-615857/26	2.0	0.030664	0.5	6240239.0	0.015332	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

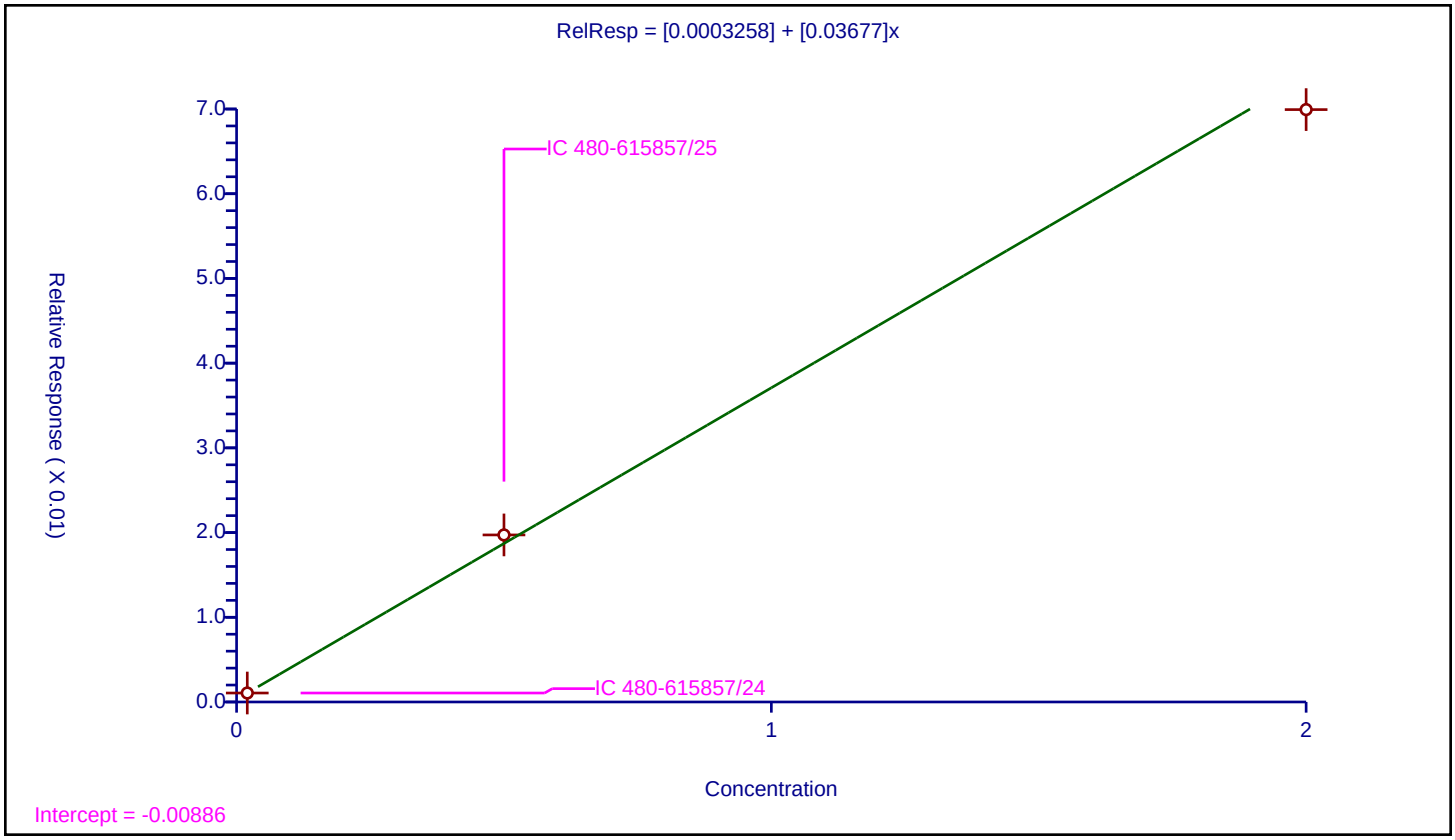
Curve Coefficients

Intercept:	0.0003258
Slope:	0.03677

Error Coefficients

Standard Error:	903000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.00106	0.5	6340976.0	0.052993	Y
2	IC 480-615857/25	0.5	0.01972	0.5	5858061.0	0.039441	Y
3	IC 480-615857/26	2.0	0.069931	0.5	6240239.0	0.034965	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

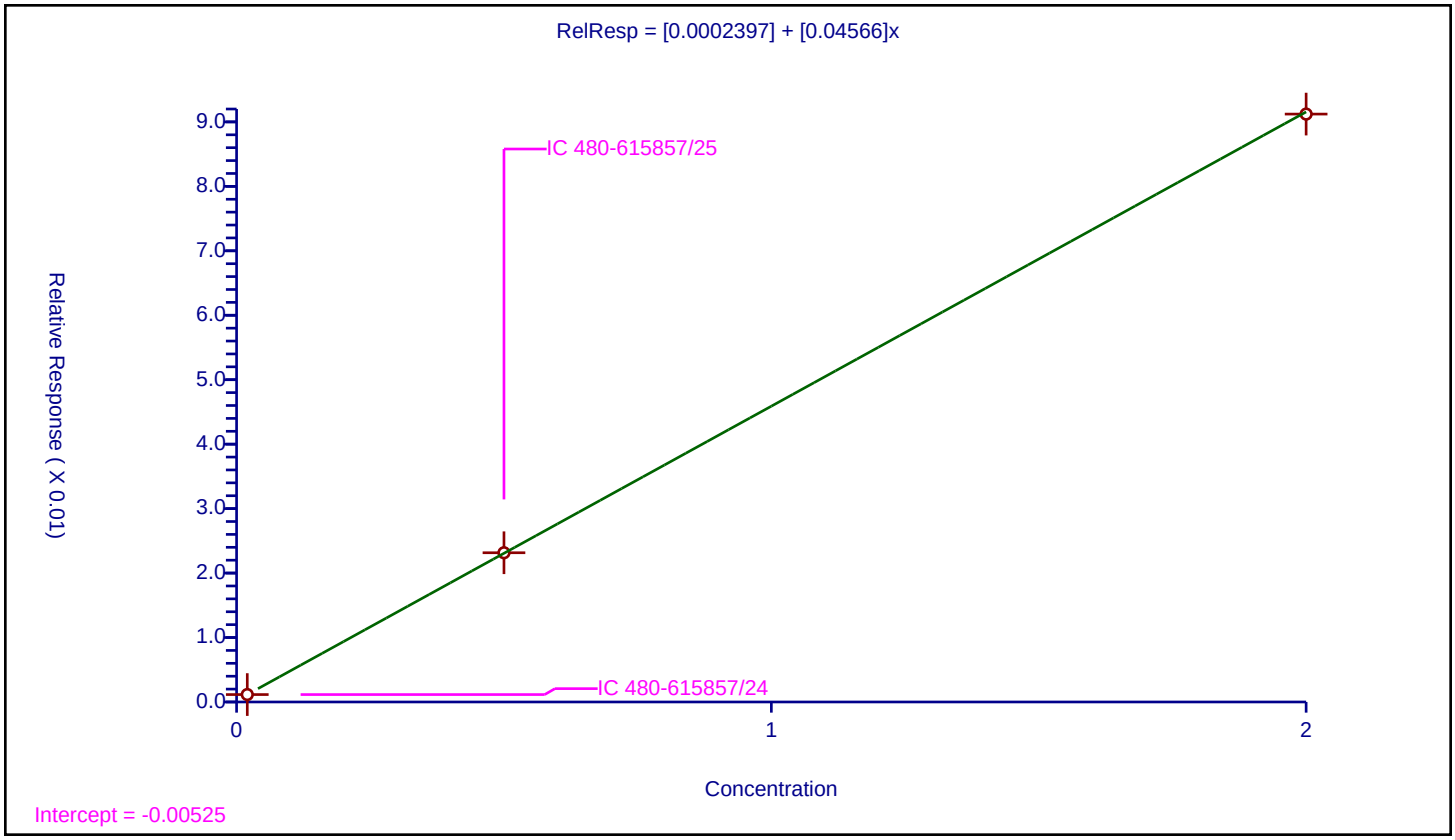
Curve Coefficients

Intercept:	0.0002397
Slope:	0.04566

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.001153	0.5	6340976.0	0.057633	Y
2	IC 480-615857/25	0.5	0.023154	0.5	5858061.0	0.046307	Y
3	IC 480-615857/26	2.0	0.091215	0.5	6240239.0	0.045608	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

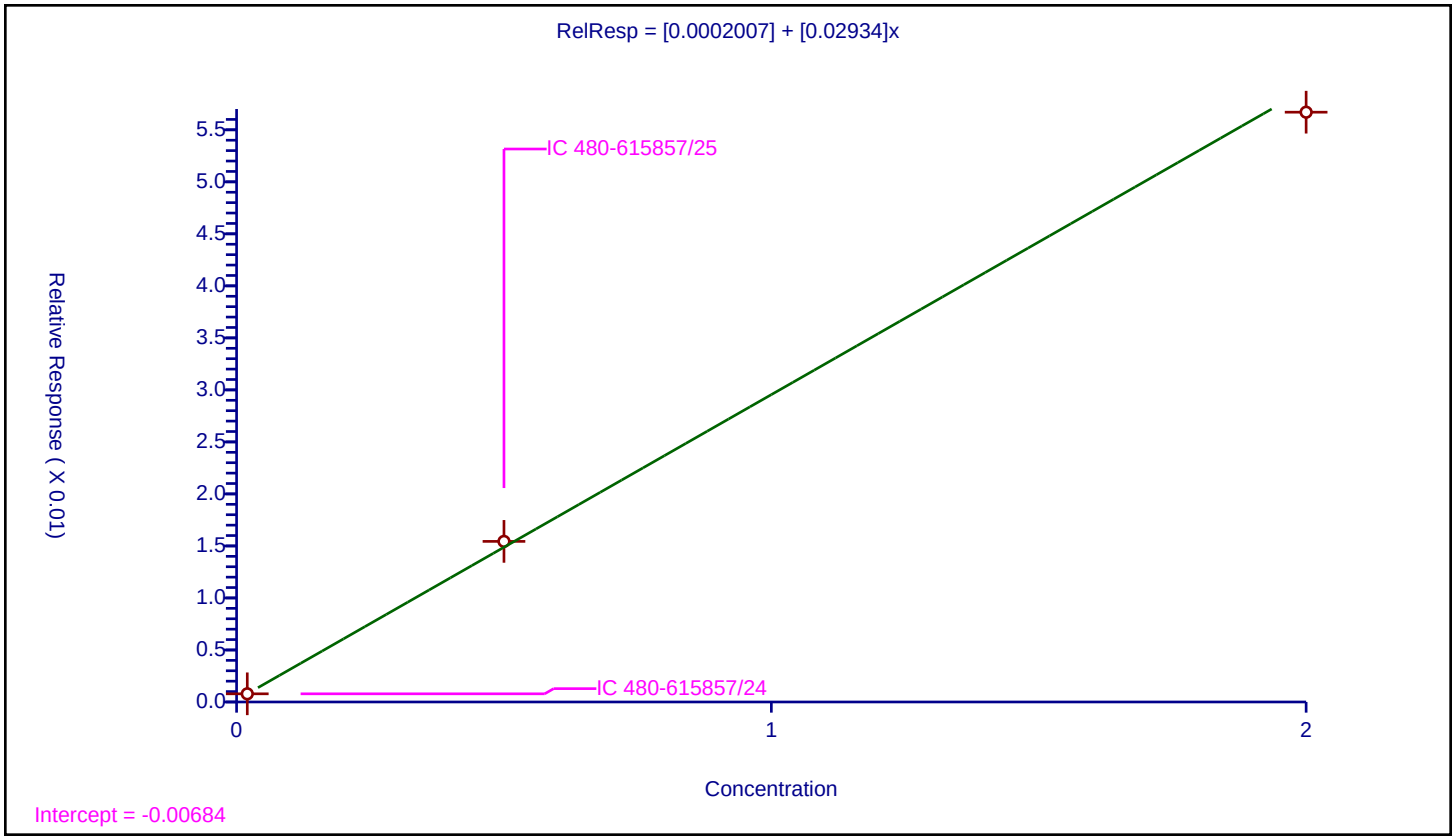
Curve Coefficients

Intercept:	0.0002007
Slope:	0.02934

Error Coefficients

Standard Error:	730000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.000787	0.5	6340976.0	0.039343	Y
2	IC 480-615857/25	0.5	0.015439	0.5	5858061.0	0.030878	Y
3	IC 480-615857/26	2.0	0.056694	0.5	6240239.0	0.028347	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

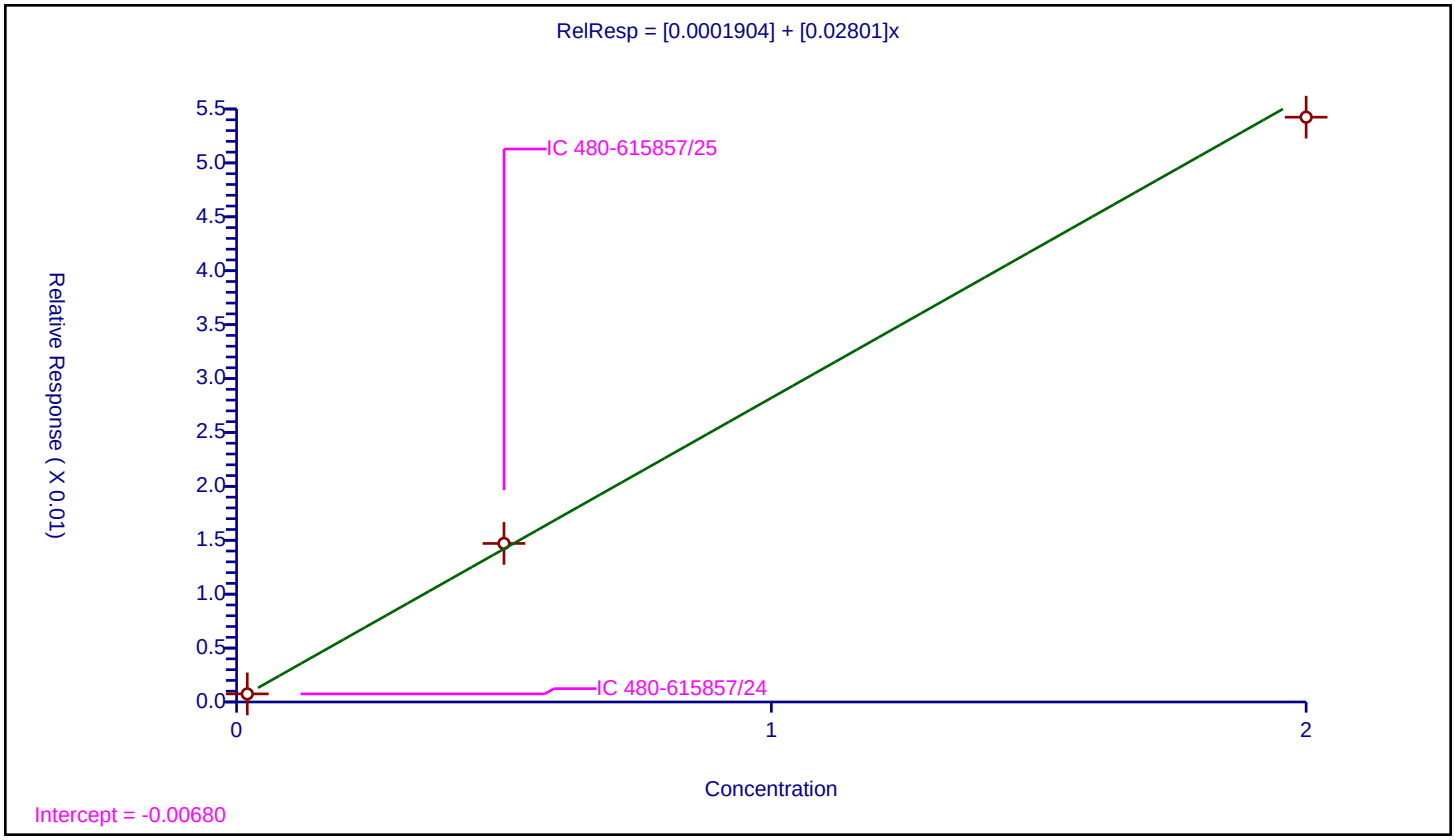
Curve Coefficients

Intercept:	0.0001904
Slope:	0.02801

Error Coefficients

Standard Error:	699000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.00075	0.5	6340976.0	0.037502	Y
2	IC 480-615857/25	0.5	0.014704	0.5	5858061.0	0.029409	Y
3	IC 480-615857/26	2.0	0.054243	0.5	6240239.0	0.027122	Y



Calibration / PCB-1268 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

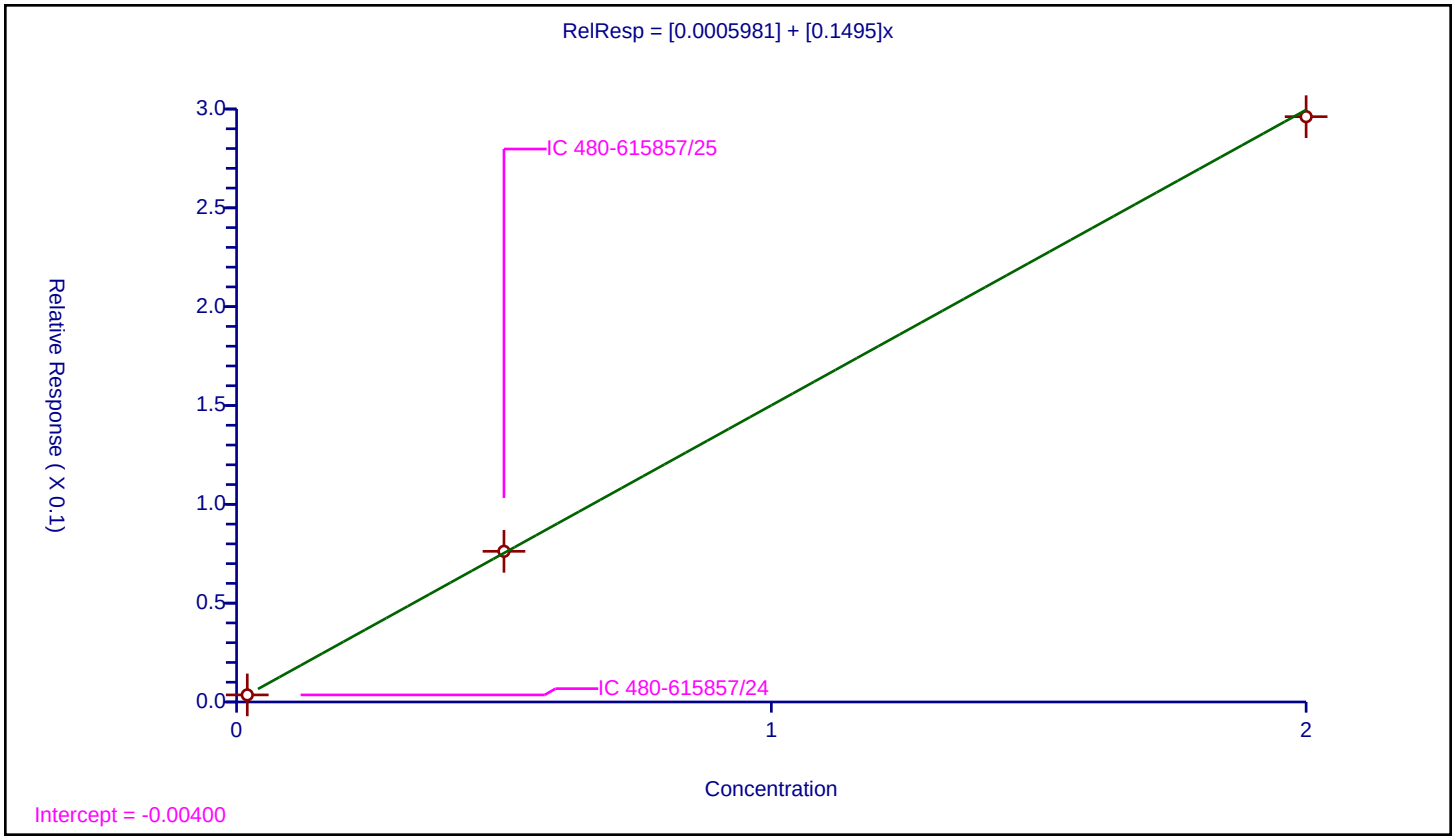
Curve Coefficients

Intercept:	0.0005981
Slope:	0.1495

Error Coefficients

Standard Error:	3800000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.003587	0.5	6340976.0	0.179334	Y
2	IC 480-615857/25	0.5	0.076227	0.5	5858061.0	0.152455	Y
3	IC 480-615857/26	2.0	0.296126	0.5	6240239.0	0.148063	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

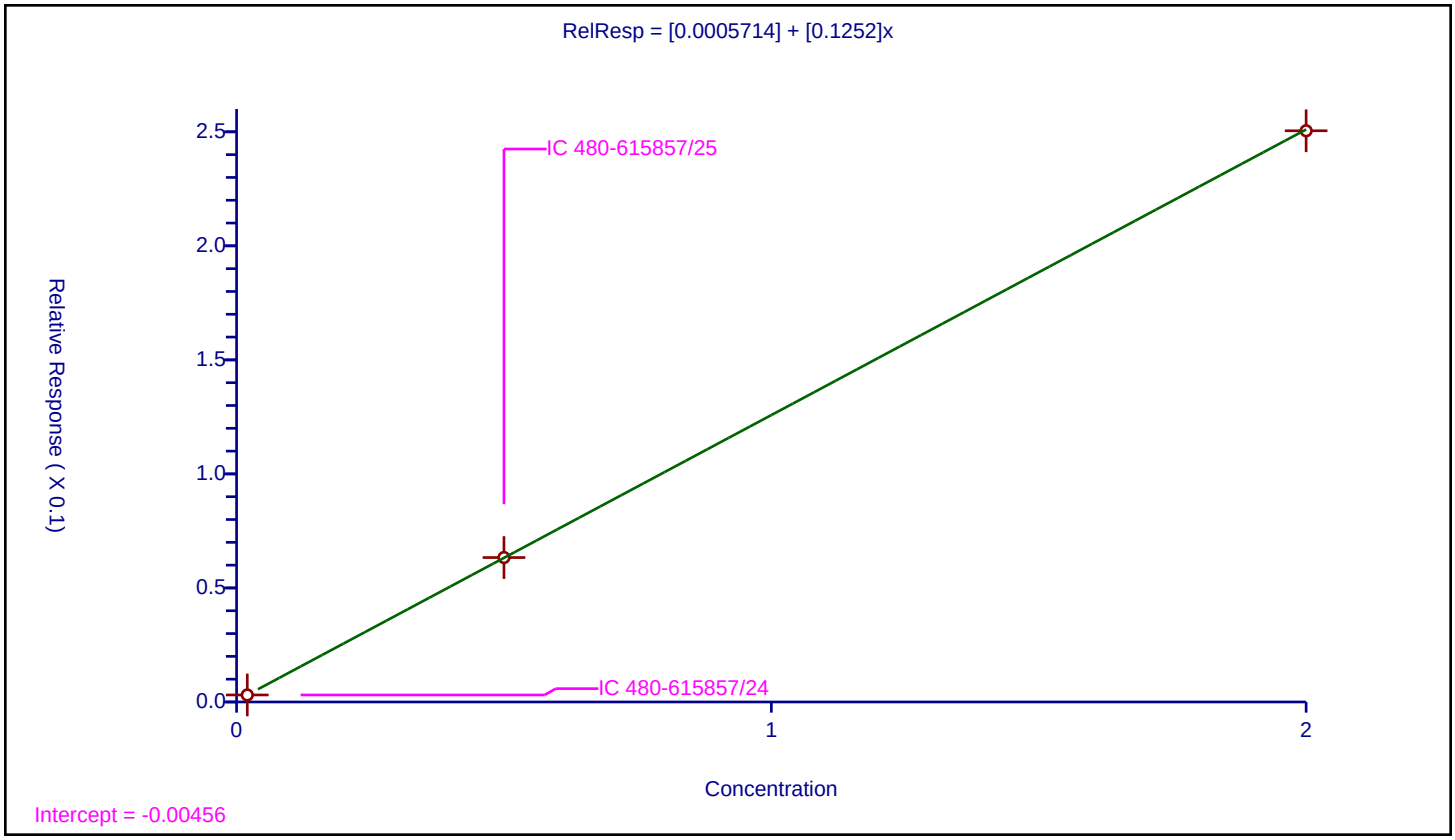
Curve Coefficients

Intercept:	0.0005714
Slope:	0.1252

Error Coefficients

Standard Error:	3210000
Relative Standard Error:	0.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.003076	0.5	6340976.0	0.153789	Y
2	IC 480-615857/25	0.5	0.063333	0.5	5858061.0	0.126666	Y
3	IC 480-615857/26	2.0	0.250461	0.5	6240239.0	0.12523	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

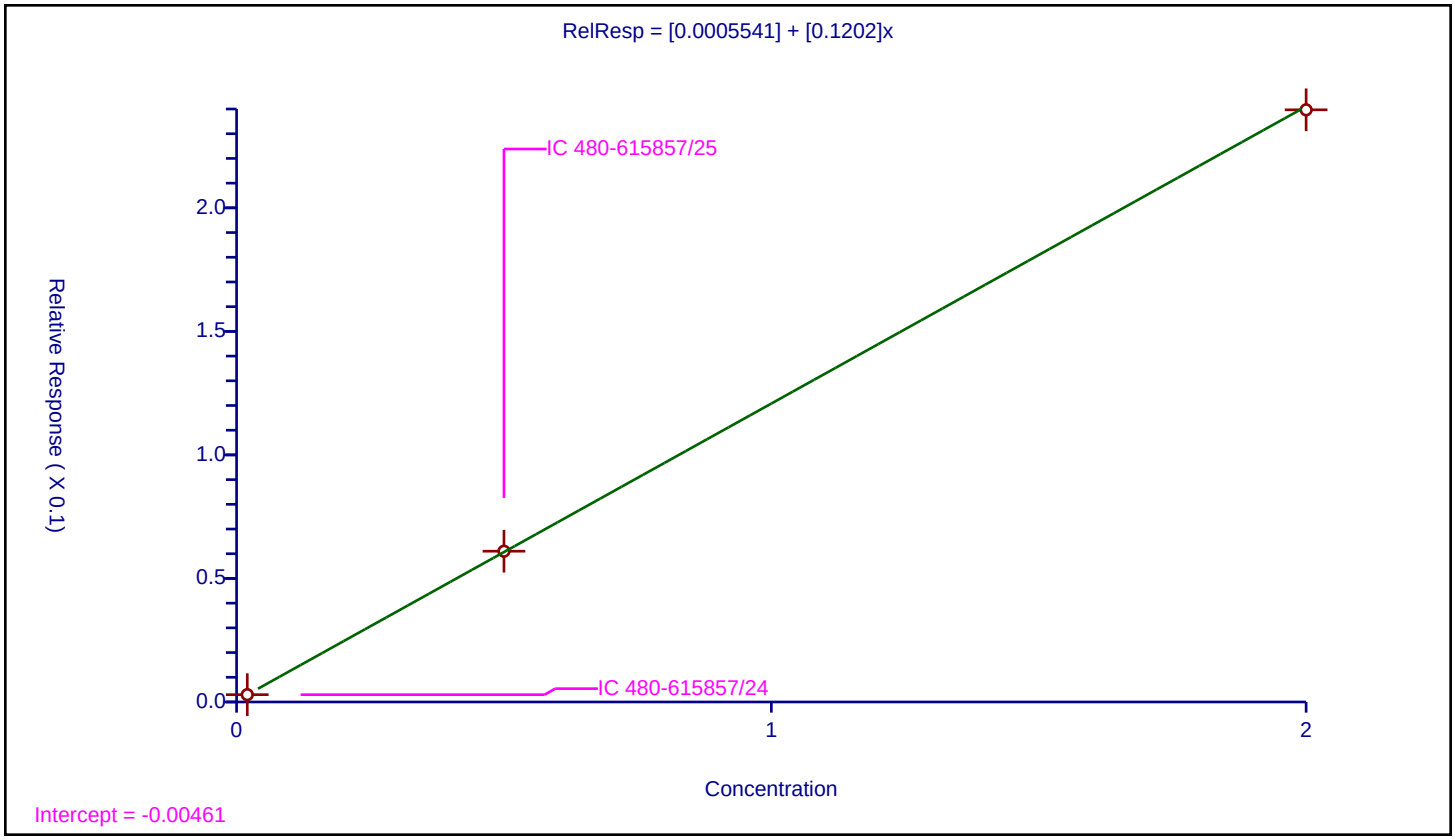
Curve Coefficients

Intercept:	0.0005541
Slope:	0.1202

Error Coefficients

Standard Error:	3080000
Relative Standard Error:	0.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.002959	0.5	6340976.0	0.147927	Y
2	IC 480-615857/25	0.5	0.061026	0.5	5858061.0	0.122053	Y
3	IC 480-615857/26	2.0	0.239673	0.5	6240239.0	0.119836	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

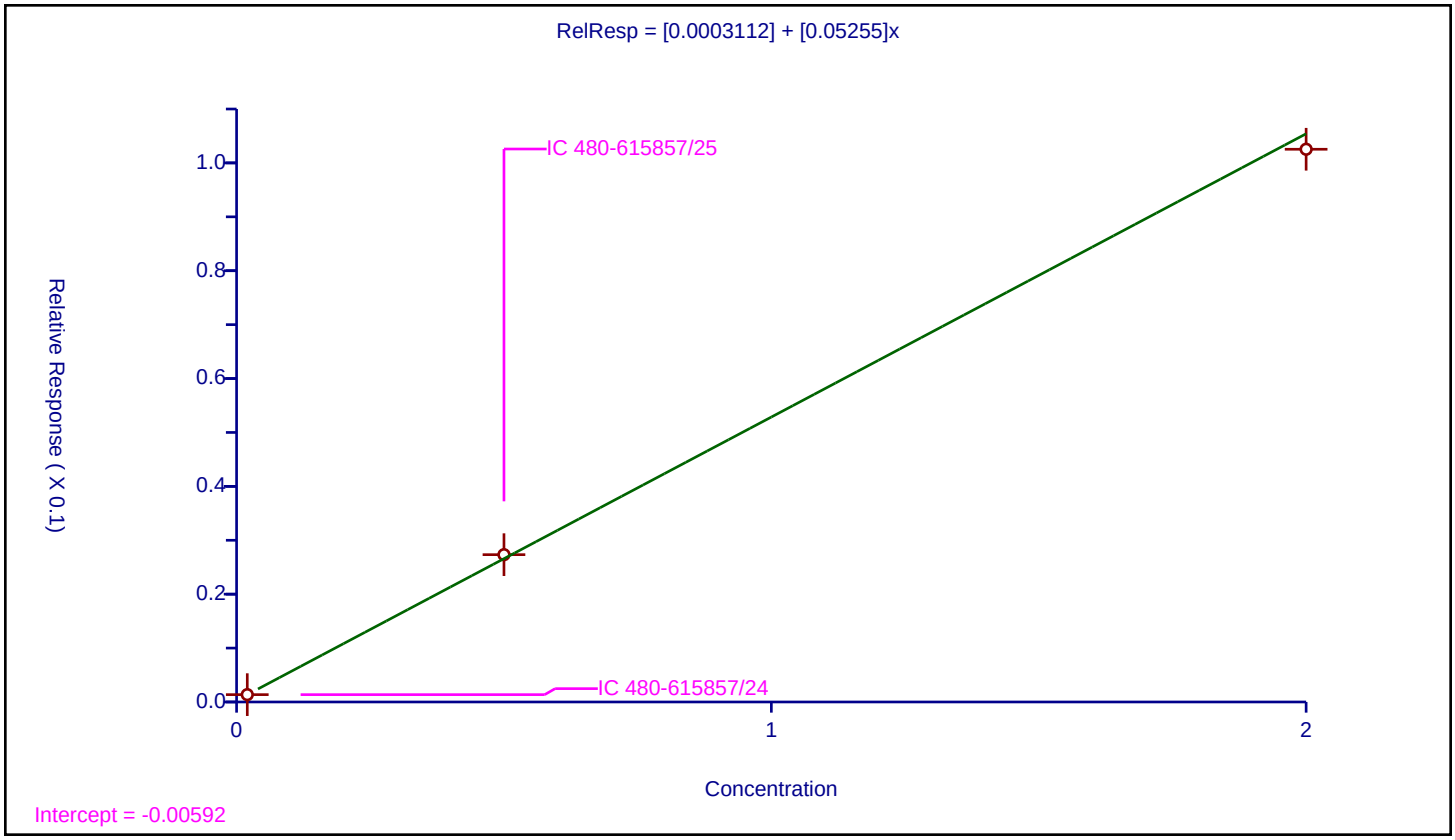
Curve Coefficients

Intercept:	0.0003112
Slope:	0.05255

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.001361	0.5	6340976.0	0.068065	Y
2	IC 480-615857/25	0.5	0.027326	0.5	5858061.0	0.054653	Y
3	IC 480-615857/26	2.0	0.102537	0.5	6240239.0	0.051269	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

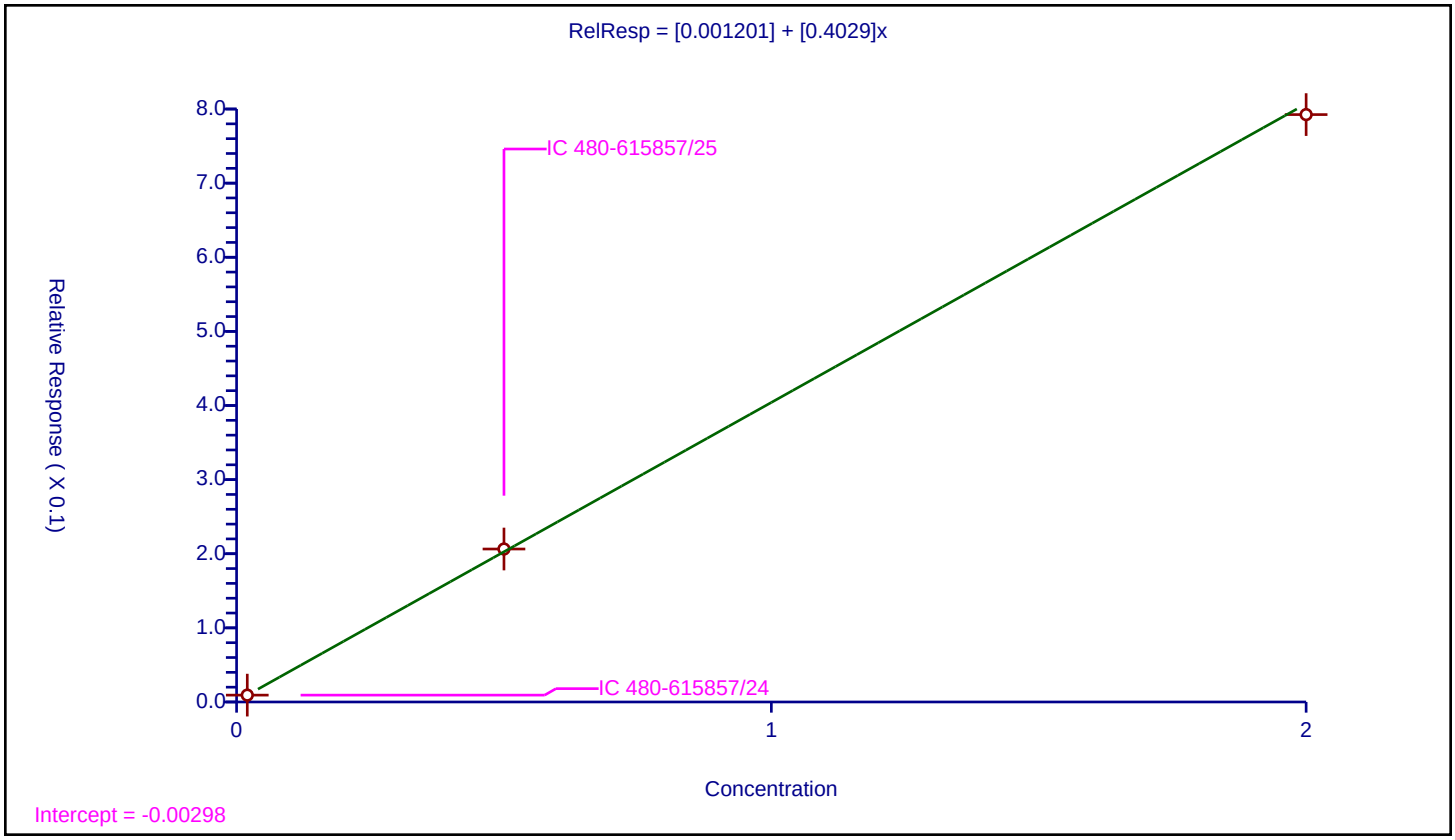
Curve Coefficients

Intercept:	0.001201
Slope:	0.4029

Error Coefficients

Standard Error:	10200000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/24	0.02	0.009255	0.5	6340976.0	0.462744	Y
2	IC 480-615857/25	0.5	0.206396	0.5	5858061.0	0.412791	Y
3	IC 480-615857/26	2.0	0.792467	0.5	6240239.0	0.396233	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:55 Calibration End Date: 02/23/2022 22:21 Calibration ID: 43152

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/28	6_104-028.D
Level 2	IC 480-615857/29	6_104-029.D
Level 3	IC 480-615857/30	6_104-030.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				B	M1	M2								
PCB-1248 Peak 1	0.0429	0.0320	0.0291			Lin2	0.0003	0.0302				6.1			0.9980		0.9900
PCB-1248 Peak 2	0.0494	0.0377	0.0348			Lin2	0.0003	0.0359				5.0			0.9990		0.9900
PCB-1248 Peak 3	0.0661	0.0533	0.0507			Lin2	0.0003	0.0516				2.9			1.0000		0.9900
PCB-1248 Peak 4	0.0542	0.0443	0.0422			Lin2	0.0002	0.0429				2.8			1.0000		0.9900
PCB-1248 Peak 5	0.0337	0.0242	0.0229			Lin2	0.0002	0.0233				2.9			1.0000		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:55 Calibration End Date: 02/23/2022 22:21 Calibration ID: 43152

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/28	6_104-028.D
Level 2	IC 480-615857/29	6_104-029.D
Level 3	IC 480-615857/30	6_104-030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin2	10294	168854	672020			0.0202	0.505	2.02		
PCB-1248 Peak 2	BNB	Lin2	11855	198767	804214			0.0202	0.505	2.02		
PCB-1248 Peak 3	BNB	Lin2	15846	280730	1173588			0.0202	0.505	2.02		
PCB-1248 Peak 4	BNB	Lin2	12986	233256	976625			0.0202	0.505	2.02		
PCB-1248 Peak 5	BNB	Lin2	8070	127326	529549			0.0202	0.505	2.02		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-028.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 21:55:11 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:52 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5940170	0.5000	0.5000	
2	2.269	2.269	0.000	6384118	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.303	4.303	0.000	10294	0.0202	0.0202	
1	4.492	4.492	0.000	11855	0.0202	0.0202	
1	4.851	4.851	0.000	15846	0.0202	0.0202	
1	5.003	5.003	0.000	12986	0.0202	0.0202	
1	5.353	5.353	0.000	8070	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
2	4.556	4.556	0.000	10621	0.0202	0.0202	
2	4.828	4.828	0.000	13184	0.0202	0.0202	
2	5.083	5.083	0.000	15963	0.0202	0.0202	
2	5.368	5.368	0.000	11587	0.0202	0.0202	
2	5.707	5.707	0.000	8194	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
						RPD = 0.02	

Reagents:

1248w/IS@ .02_00022 Amount Added: 1.00 Units: mL

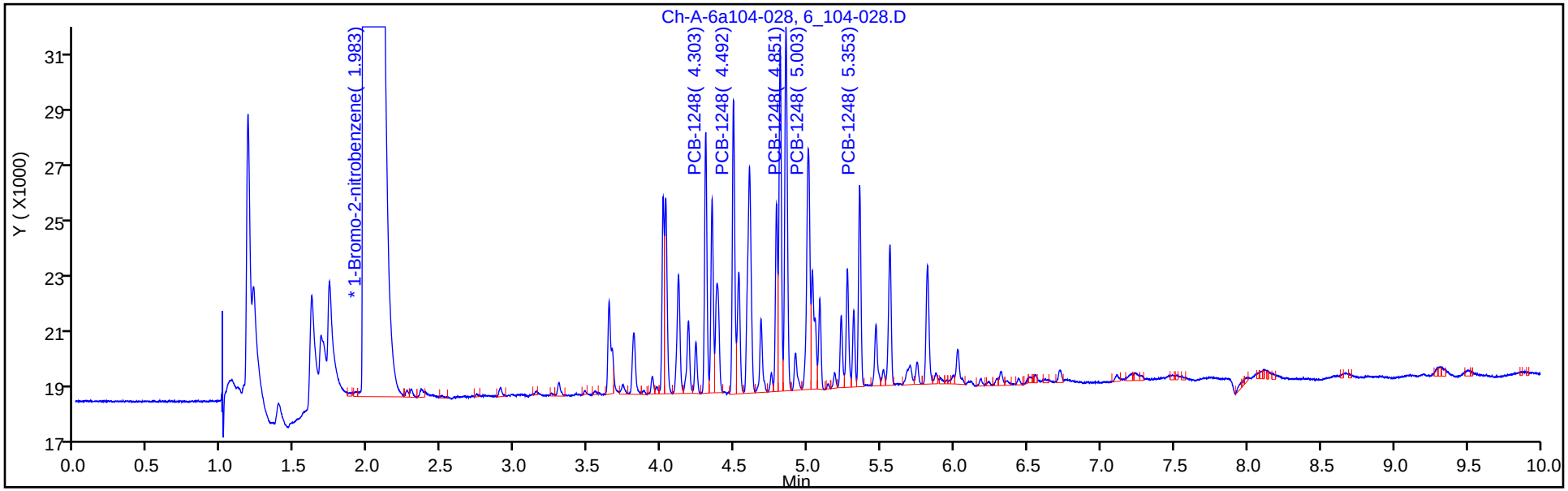
Report Date: 24-Feb-2022 16:57:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

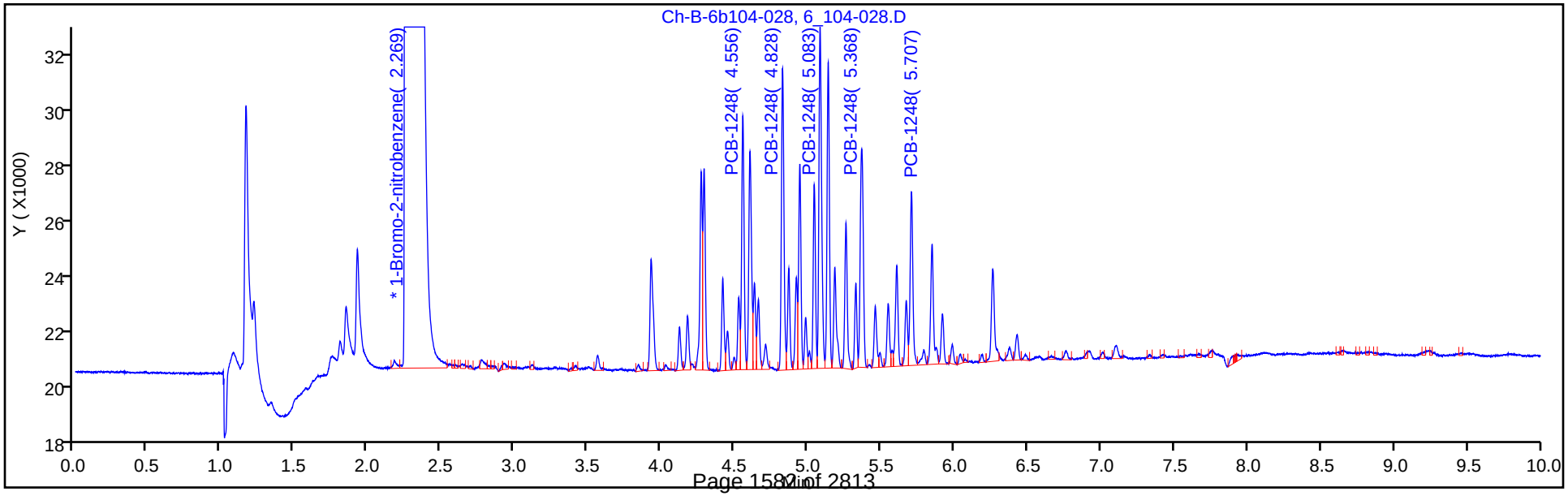
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-028.D

Injection Date:	23-Feb-2022 21:55:11	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-029.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 22:08:26 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:54 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5223577	0.5000	0.5000	
2	2.270	2.270	0.000	5642946	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	168854	0.5045	0.5265	
1	4.492	4.492	0.000	198767	0.5045	0.5226	
1	4.850	4.850	0.000	280730	0.5045	0.5149	
1	5.003	5.003	0.000	233256	0.5045	0.5146	
1	5.353	5.353	0.000	127326	0.5045	0.5150	
		Average of Peak Amounts =				0.5187	
2	4.556	4.556	0.000	177212	0.5045	0.5205	
2	4.827	4.827	0.000	231029	0.5045	0.5180	
2	5.083	5.083	0.000	280282	0.5045	0.5088	
2	5.367	5.367	0.000	217738	0.5045	0.5120	
2	5.707	5.707	0.000	143253	0.5045	0.5195	
		Average of Peak Amounts =				0.5157	
						RPD = 0.57	

Reagents:

1248w/IS@ 0.5_00101 Amount Added: 1.00 Units: mL

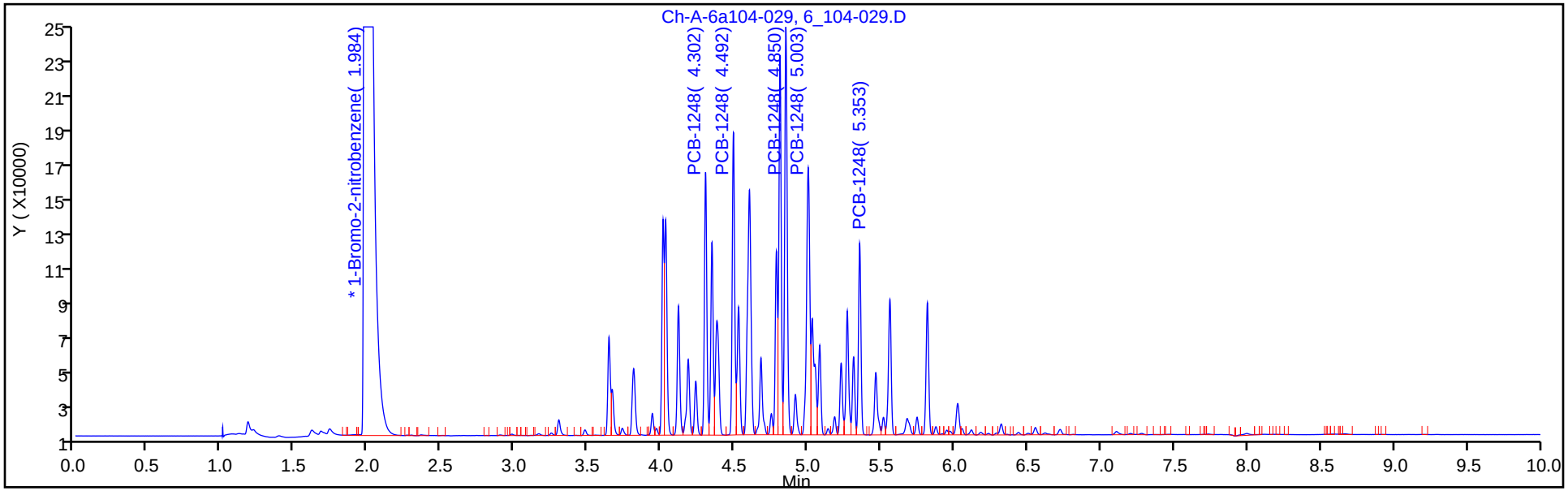
Report Date: 24-Feb-2022 16:57:55 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

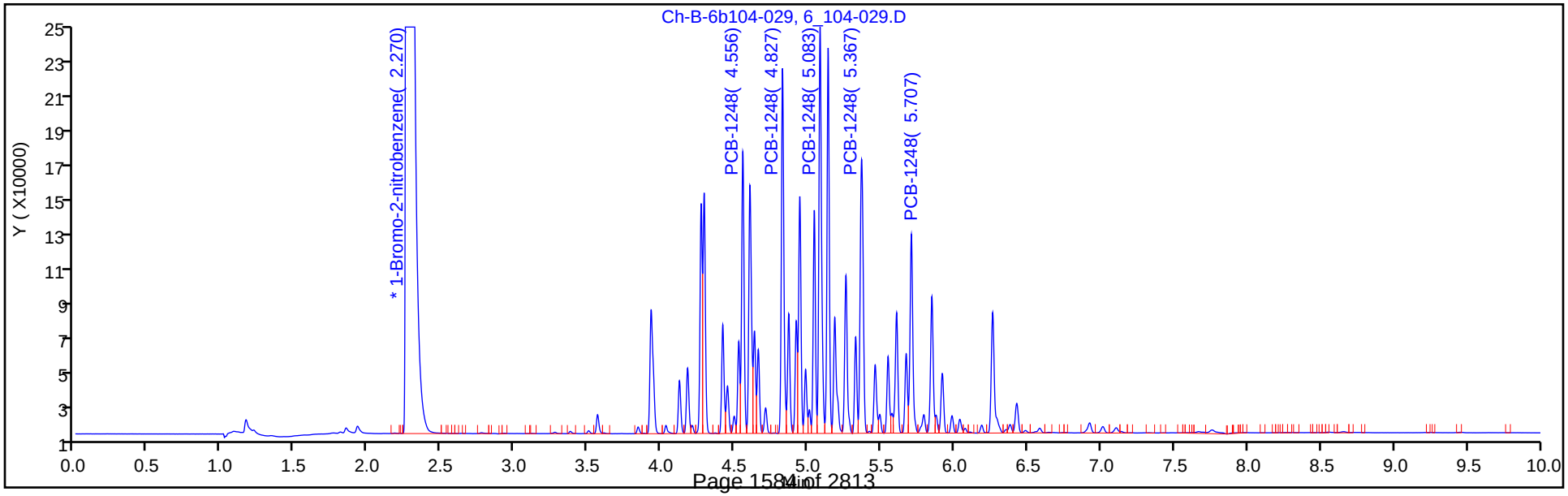
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-029.D

Injection Date:	23-Feb-2022 22:08:26	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 22:21:41 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:56 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 12:02:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.002	5730860	0.5000	0.5000	
2	2.269	2.270	-0.001	6167880	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	672020	2.02	1.93	
1	4.493	4.492	0.000	804214	2.02	1.95	
1	4.851	4.850	0.001	1173588	2.02	1.98	
1	5.003	5.003	0.000	976625	2.02	1.98	
1	5.353	5.353	0.000	529549	2.02	1.98	
		Average of Peak Amounts =				1.96	
2	4.557	4.556	0.001	720040	2.02	1.96	
2	4.828	4.827	0.001	949738	2.02	1.97	
2	5.083	5.083	0.000	1195234	2.02	2.00	
2	5.368	5.367	0.001	919221	2.02	1.99	
2	5.708	5.707	0.001	585284	2.02	1.96	
		Average of Peak Amounts =				1.97	
						RPD = 0.58	

Reagents:

1248w/IS@ 2.0_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Injection Date: 23-Feb-2022 22:21:41 Instrument ID: HP6890-6 Operator ID: BufTCHROM

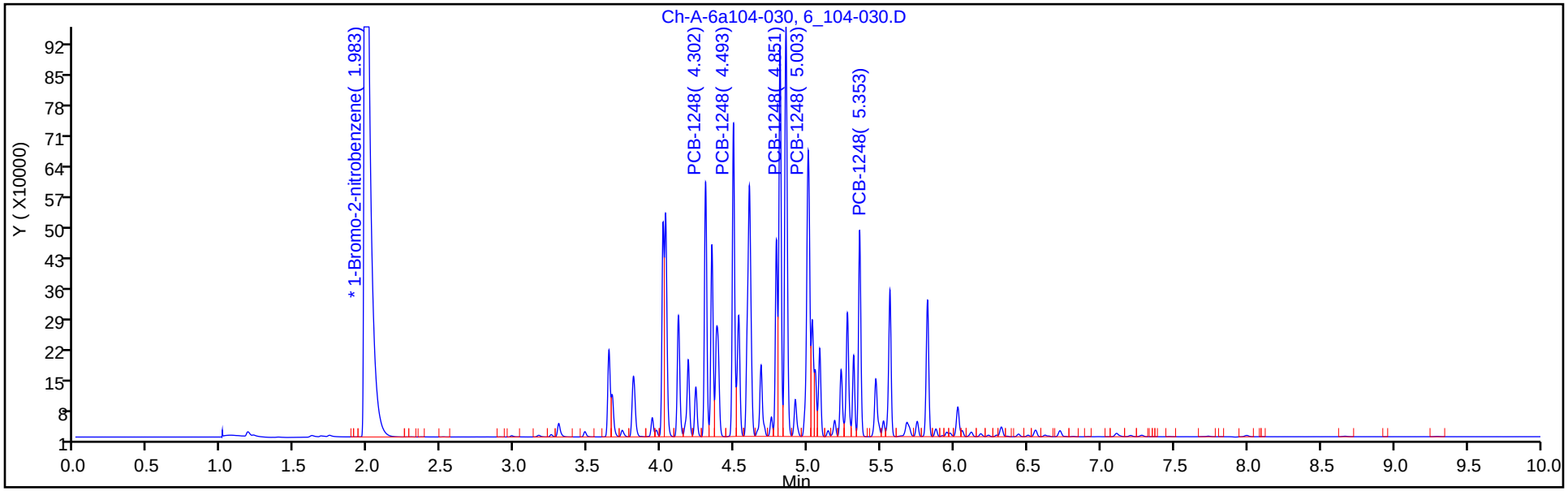
Lims ID: IC level 3 Worklist Smp#: 30

Client ID:

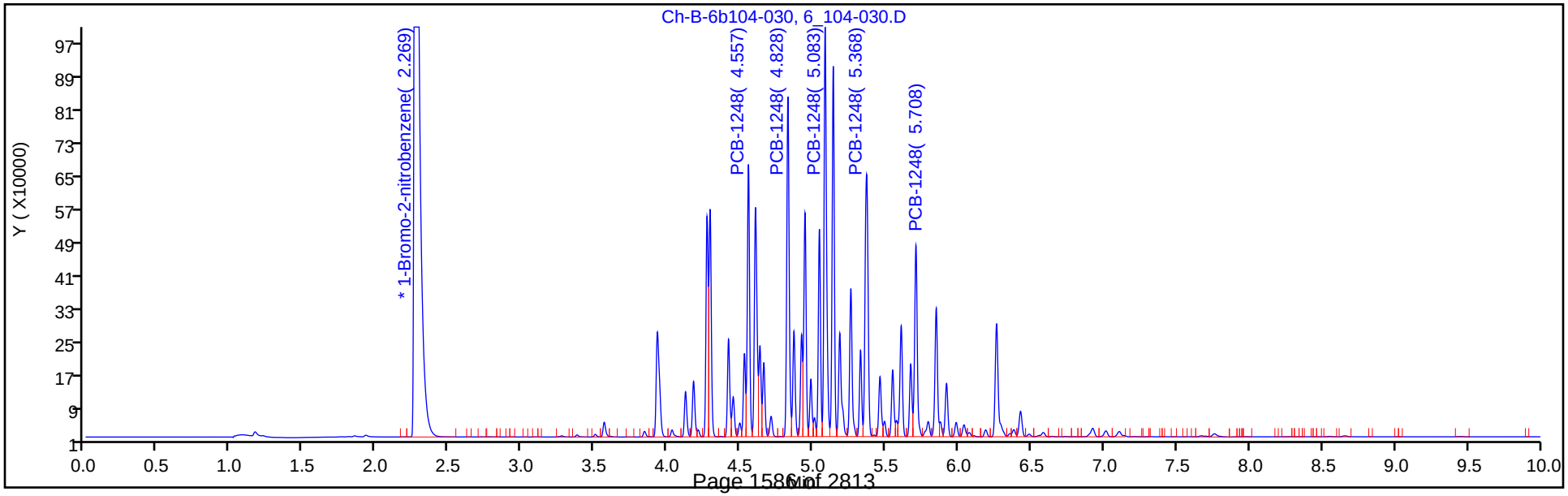
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1248 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

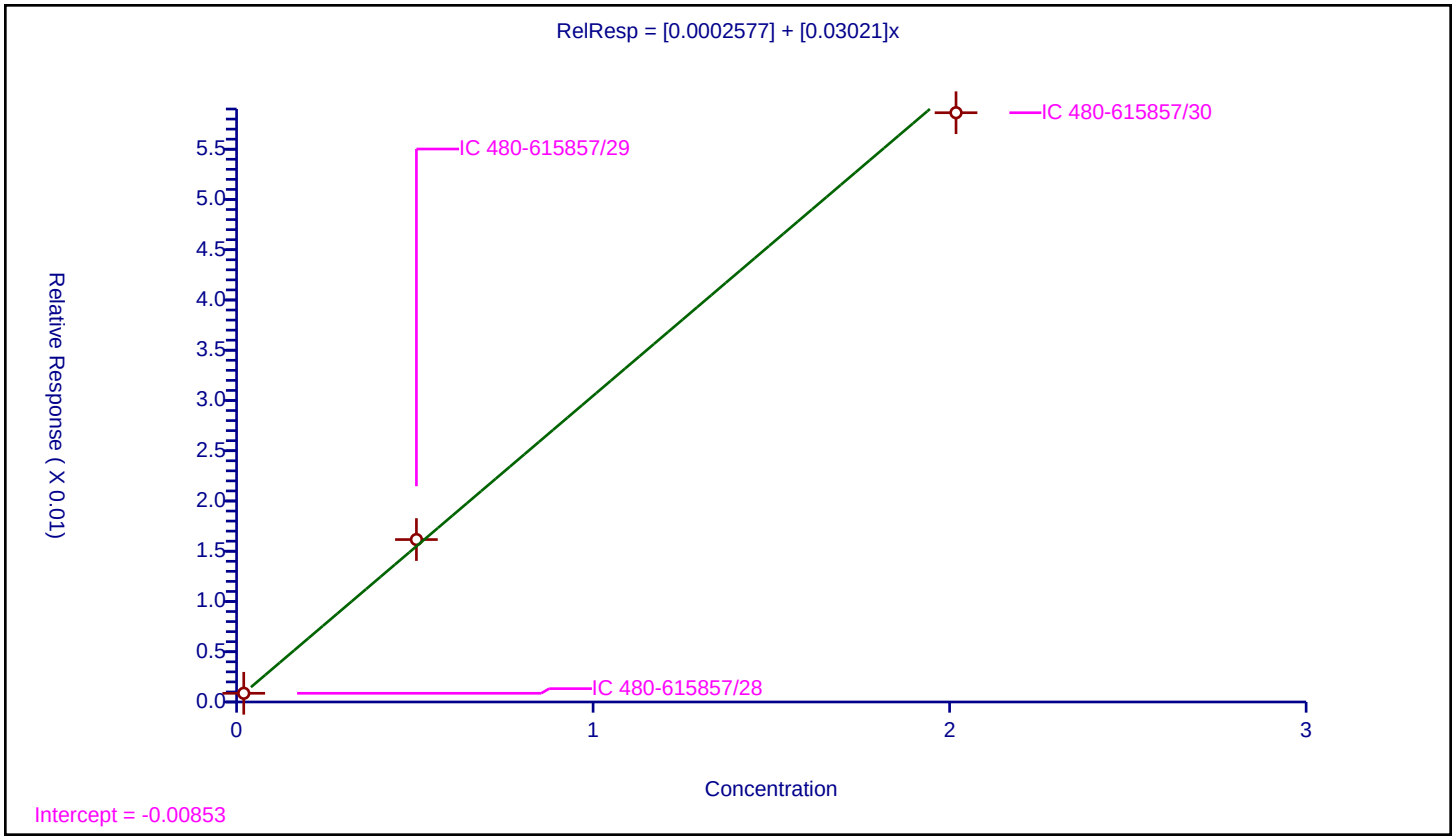
Curve Coefficients

Intercept:	0.0002577
Slope:	0.03021

Error Coefficients

Standard Error:	693000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000866	0.5	5940170.0	0.042937	Y
2	IC 480-615857/29	0.5045	0.016163	0.5	5223577.0	0.032037	Y
3	IC 480-615857/30	2.018	0.058632	0.5	5730860.0	0.029054	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

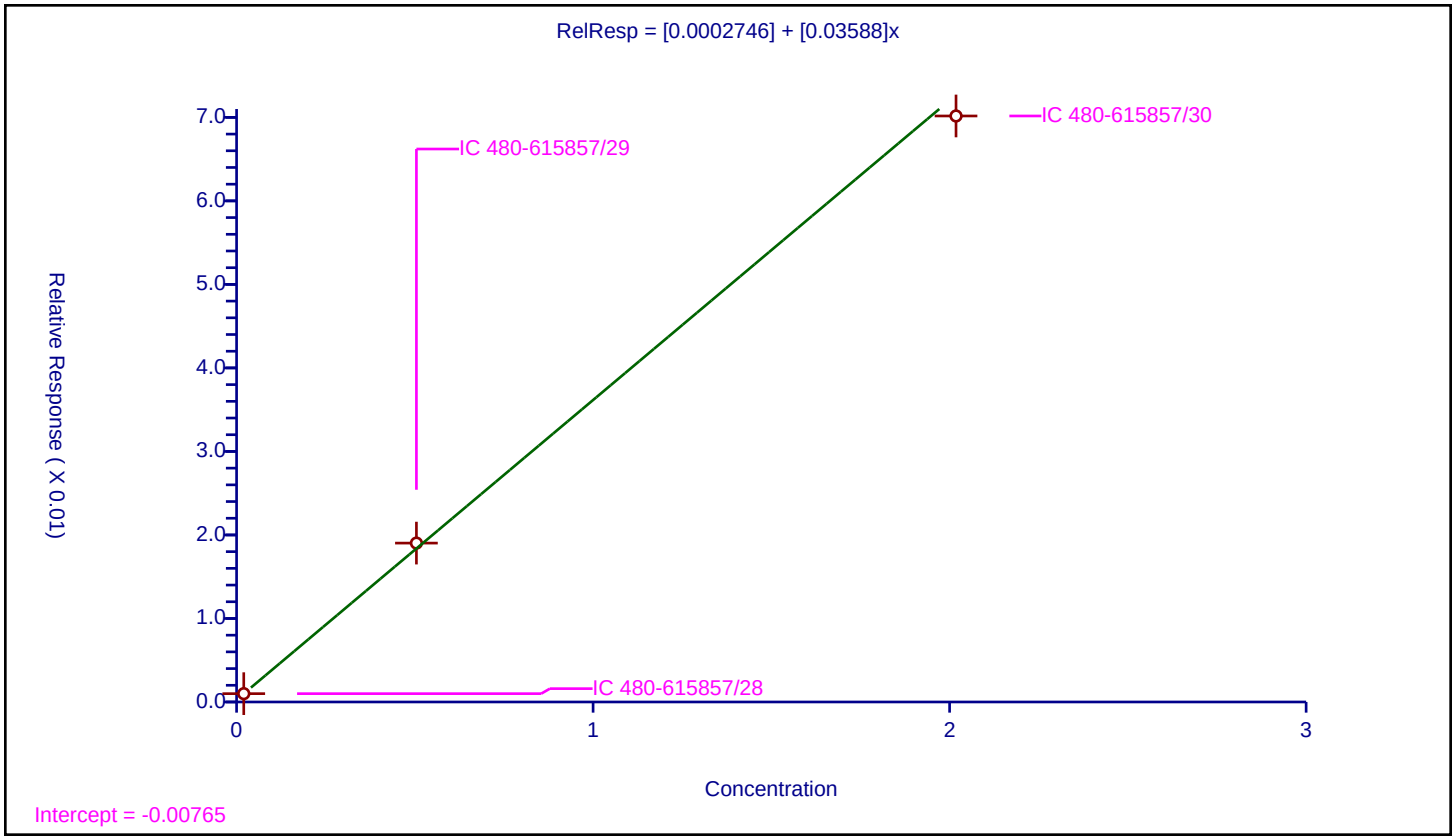
Curve Coefficients

Intercept:	0.0002746
Slope:	0.03588

Error Coefficients

Standard Error:	828000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000998	0.5	5940170.0	0.049448	Y
2	IC 480-615857/29	0.5045	0.019026	0.5	5223577.0	0.037712	Y
3	IC 480-615857/30	2.018	0.070165	0.5	5730860.0	0.03477	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

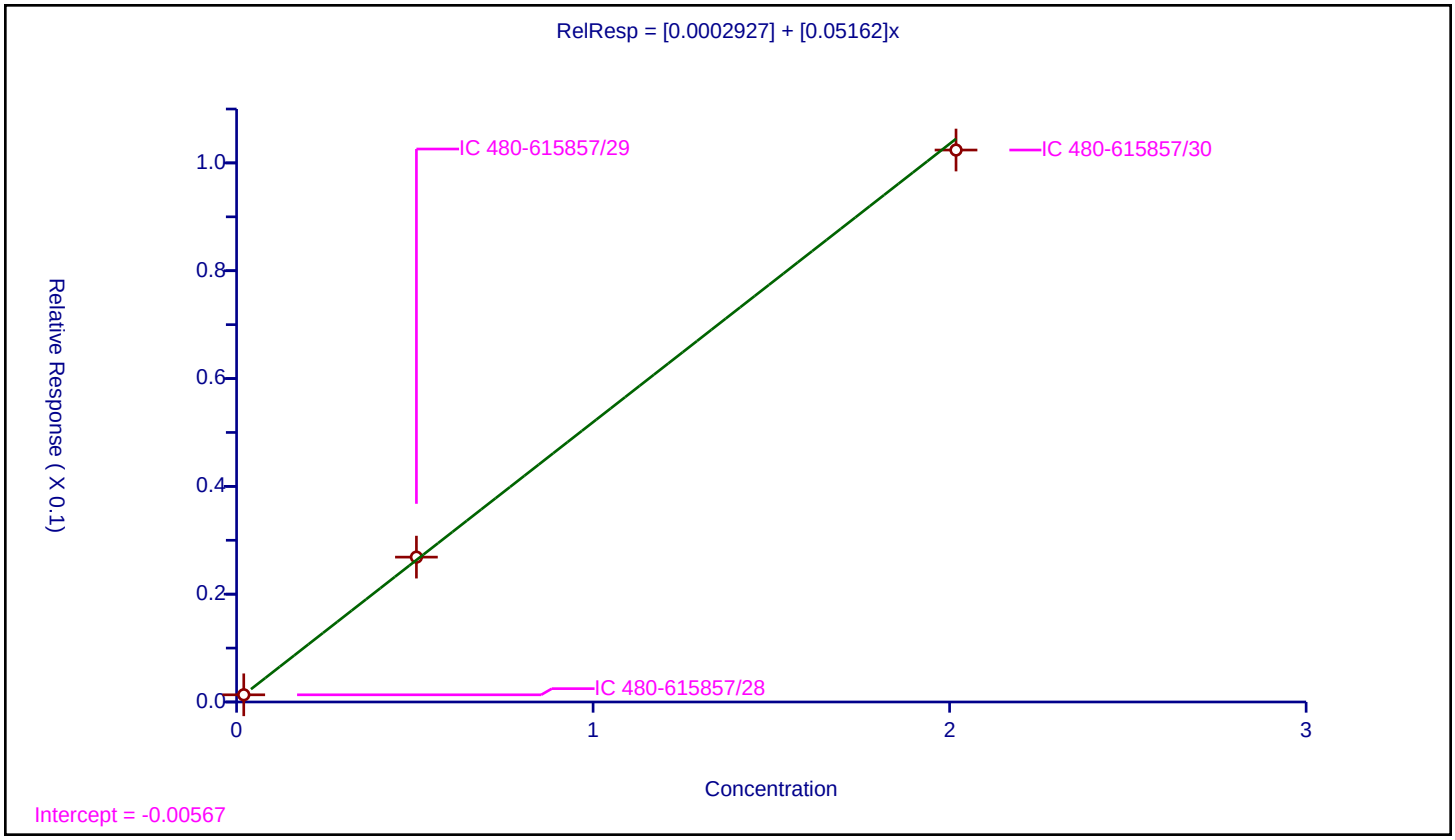
Curve Coefficients

Intercept:	0.0002927
Slope:	0.05162

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.001334	0.5	5940170.0	0.066095	Y
2	IC 480-615857/29	0.5045	0.026871	0.5	5223577.0	0.053263	Y
3	IC 480-615857/30	2.018	0.102392	0.5	5730860.0	0.050739	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

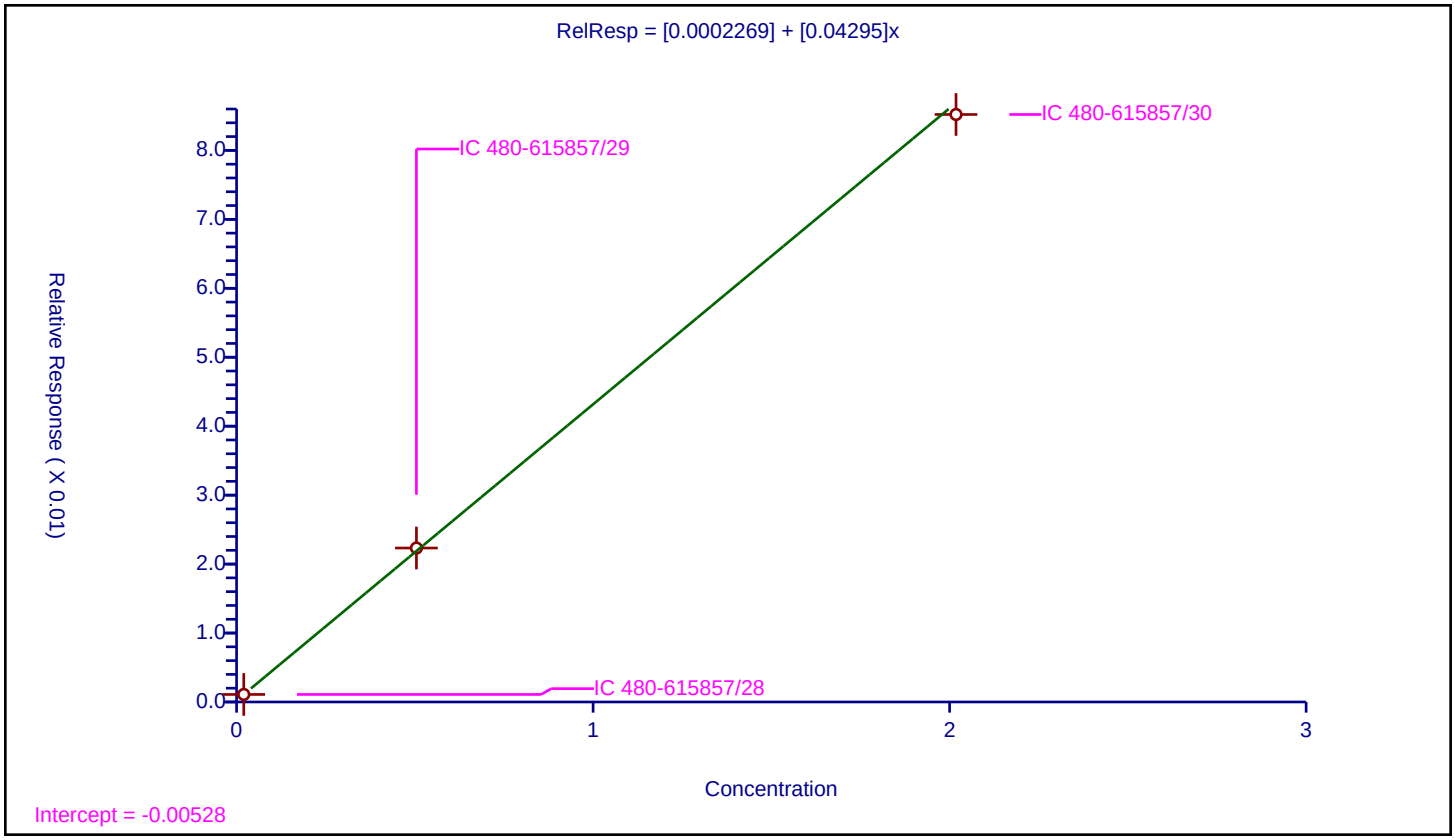
Curve Coefficients

Intercept:	0.0002269
Slope:	0.04295

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.001093	0.5	5940170.0	0.054166	Y
2	IC 480-615857/29	0.5045	0.022327	0.5	5223577.0	0.044256	Y
3	IC 480-615857/30	2.018	0.085208	0.5	5730860.0	0.042224	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

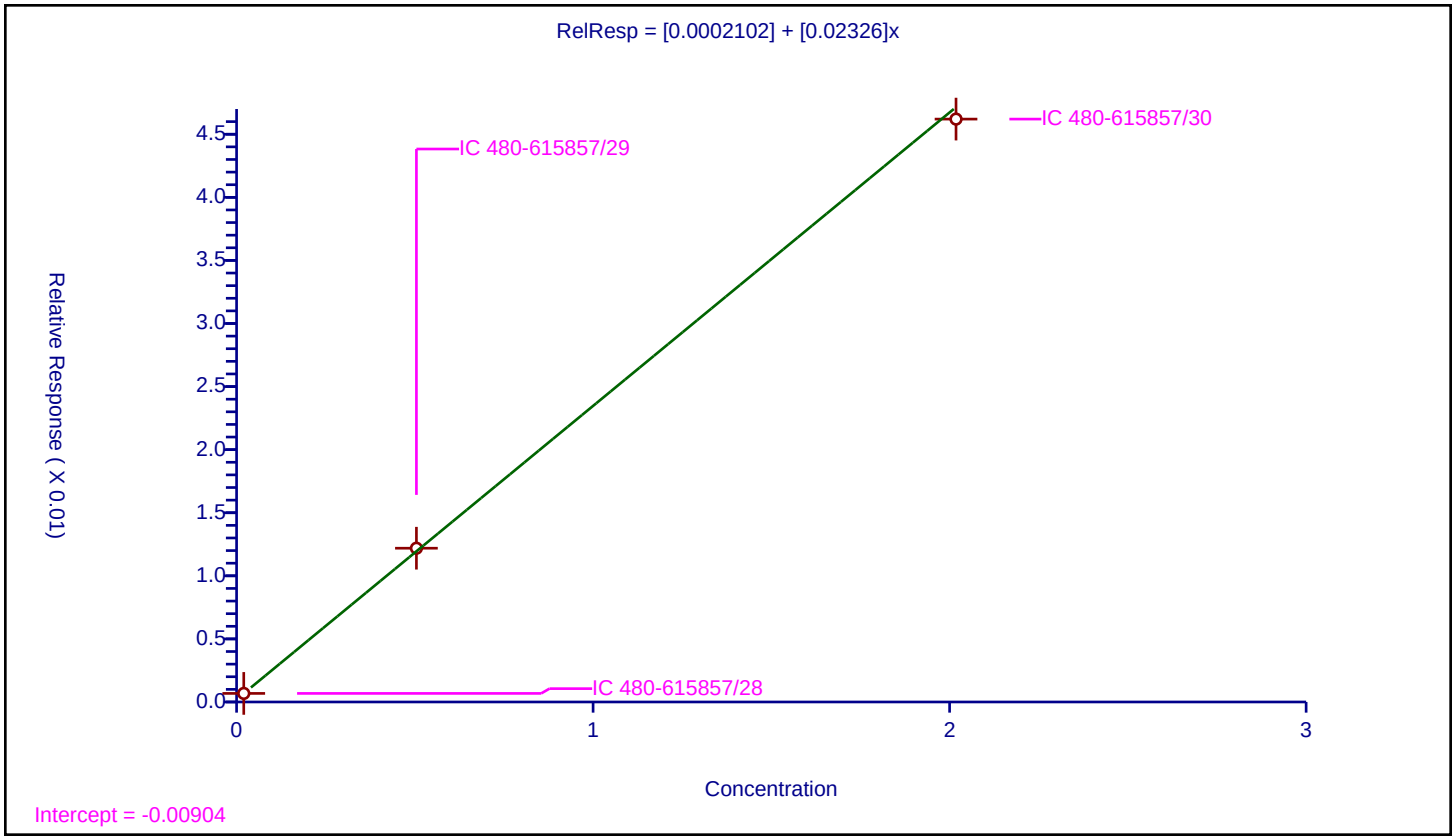
Curve Coefficients

Intercept:	0.0002102
Slope:	0.02326

Error Coefficients

Standard Error:	545000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000679	0.5	5940170.0	0.033661	Y
2	IC 480-615857/29	0.5045	0.012188	0.5	5223577.0	0.024158	Y
3	IC 480-615857/30	2.018	0.046202	0.5	5730860.0	0.022895	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:55 Calibration End Date: 02/23/2022 22:21 Calibration ID: 43153

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/28	6_104-028.D
Level 2	IC 480-615857/29	6_104-029.D
Level 3	IC 480-615857/30	6_104-030.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				B	M1	M2								
PCB-1248 Peak 1	0.0412	0.0311	0.0289			Lin2	0.0002	0.0297				4.4			0.9990		0.9900
PCB-1248 Peak 2	0.0512	0.0406	0.0382			Lin2	0.0002	0.0390				3.7			0.9990		0.9900
PCB-1248 Peak 3	0.0620	0.0492	0.0480			Lin2	0.0003	0.0483				1.2			1.0000		0.9900
PCB-1248 Peak 4	0.0450	0.0382	0.0369			Lin2	0.0002	0.0374				2.1			1.0000		0.9900
PCB-1248 Peak 5	0.0318	0.0252	0.0235			Lin2	0.0002	0.0241				4.2			0.9990		0.9900

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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615857

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2022 21:55 Calibration End Date: 02/23/2022 22:21 Calibration ID: 43153

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-615857/28	6_104-028.D
Level 2	IC 480-615857/29	6_104-029.D
Level 3	IC 480-615857/30	6_104-030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin2	10621	177212	720040			0.0202	0.505	2.02		
PCB-1248 Peak 2	BNB	Lin2	13184	231029	949738			0.0202	0.505	2.02		
PCB-1248 Peak 3	BNB	Lin2	15963	280282	1195234			0.0202	0.505	2.02		
PCB-1248 Peak 4	BNB	Lin2	11587	217738	919221			0.0202	0.505	2.02		
PCB-1248 Peak 5	BNB	Lin2	8194	143253	585284			0.0202	0.505	2.02		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-028.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2022 21:55:11 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:52 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5940170	0.5000	0.5000	
2	2.269	2.269	0.000	6384118	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.303	4.303	0.000	10294	0.0202	0.0202	
1	4.492	4.492	0.000	11855	0.0202	0.0202	
1	4.851	4.851	0.000	15846	0.0202	0.0202	
1	5.003	5.003	0.000	12986	0.0202	0.0202	
1	5.353	5.353	0.000	8070	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
2	4.556	4.556	0.000	10621	0.0202	0.0202	
2	4.828	4.828	0.000	13184	0.0202	0.0202	
2	5.083	5.083	0.000	15963	0.0202	0.0202	
2	5.368	5.368	0.000	11587	0.0202	0.0202	
2	5.707	5.707	0.000	8194	0.0202	0.0202	
		Average of Peak Amounts =				0.0202	
						RPD = 0.02	

Reagents:

1248w/IS@ .02_00022 Amount Added: 1.00 Units: mL

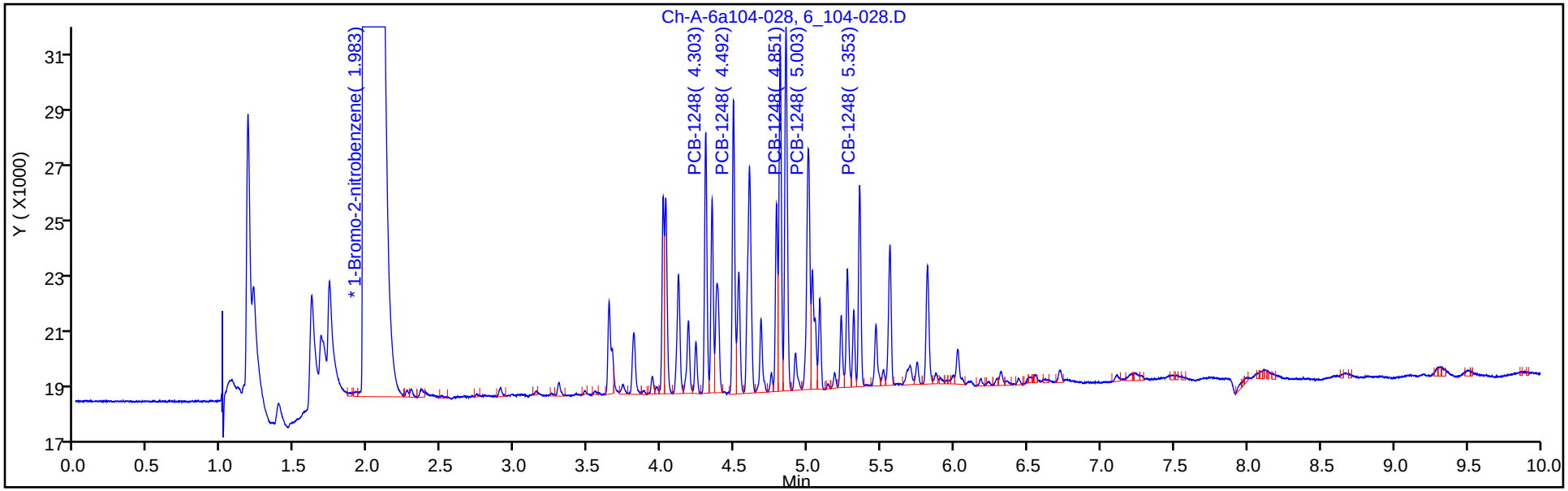
Report Date: 24-Feb-2022 16:57:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

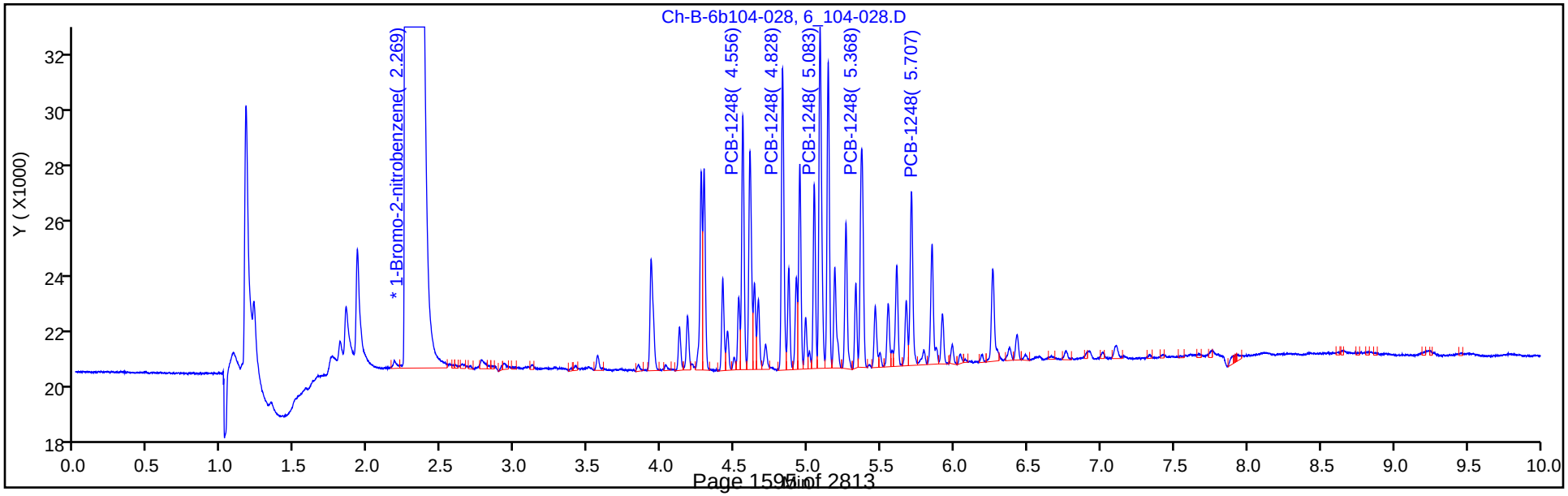
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-028.D

Injection Date:	23-Feb-2022 21:55:11	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-029.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2022 22:08:26 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:54 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5223577	0.5000	0.5000	
2	2.270	2.270	0.000	5642946	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	168854	0.5045	0.5265	
1	4.492	4.492	0.000	198767	0.5045	0.5226	
1	4.850	4.850	0.000	280730	0.5045	0.5149	
1	5.003	5.003	0.000	233256	0.5045	0.5146	
1	5.353	5.353	0.000	127326	0.5045	0.5150	
		Average of Peak Amounts =				0.5187	
2	4.556	4.556	0.000	177212	0.5045	0.5205	
2	4.827	4.827	0.000	231029	0.5045	0.5180	
2	5.083	5.083	0.000	280282	0.5045	0.5088	
2	5.367	5.367	0.000	217738	0.5045	0.5120	
2	5.707	5.707	0.000	143253	0.5045	0.5195	
		Average of Peak Amounts =				0.5157	
						RPD = 0.57	

Reagents:

1248w/IS@ 0.5_00101 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:55 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-029.D

Injection Date: 23-Feb-2022 22:08:26 Instrument ID: HP6890-6 Operator ID: BufTCHROM

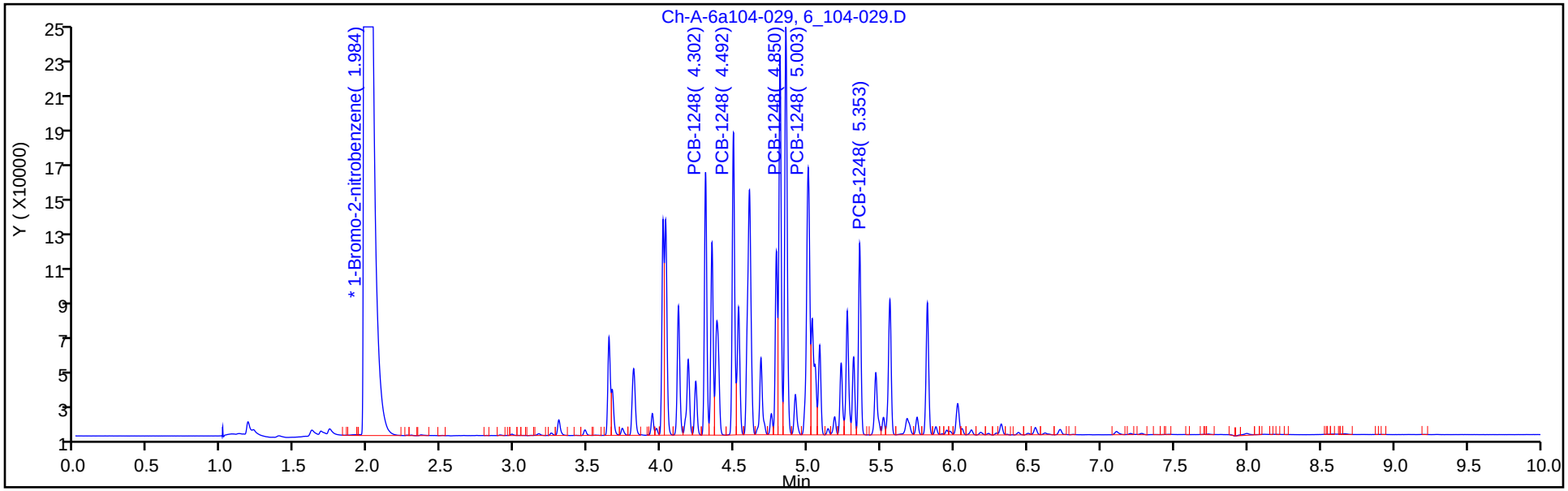
Lims ID: IC level 2 Worklist Smp#: 29

Client ID:

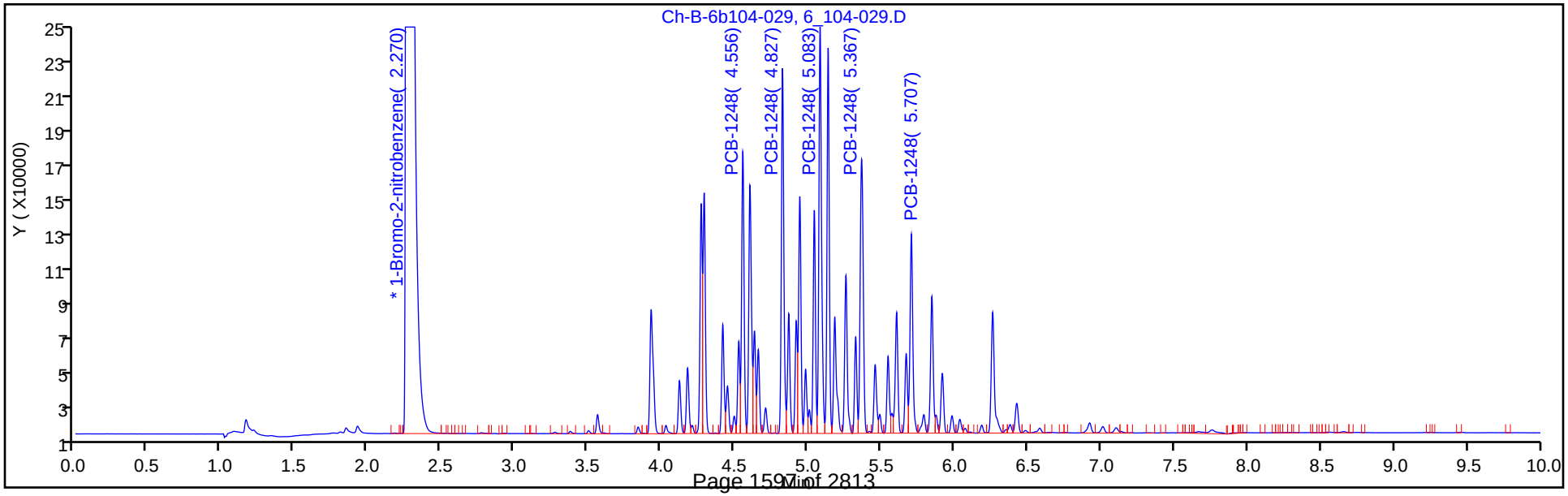
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2022 22:21:41 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 16:57:56 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 12:02:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.002	5730860	0.5000	0.5000	
2	2.269	2.270	-0.001	6167880	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	672020	2.02	1.93	
1	4.493	4.492	0.000	804214	2.02	1.95	
1	4.851	4.850	0.001	1173588	2.02	1.98	
1	5.003	5.003	0.000	976625	2.02	1.98	
1	5.353	5.353	0.000	529549	2.02	1.98	
		Average of Peak Amounts =				1.96	
2	4.557	4.556	0.001	720040	2.02	1.96	
2	4.828	4.827	0.001	949738	2.02	1.97	
2	5.083	5.083	0.000	1195234	2.02	2.00	
2	5.368	5.367	0.001	919221	2.02	1.99	
2	5.708	5.707	0.001	585284	2.02	1.96	
		Average of Peak Amounts =				1.97	
						RPD = 0.58	

Reagents:

1248w/IS@ 2.0_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 16:57:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Injection Date: 23-Feb-2022 22:21:41 Instrument ID: HP6890-6 Operator ID: BufTCHROM

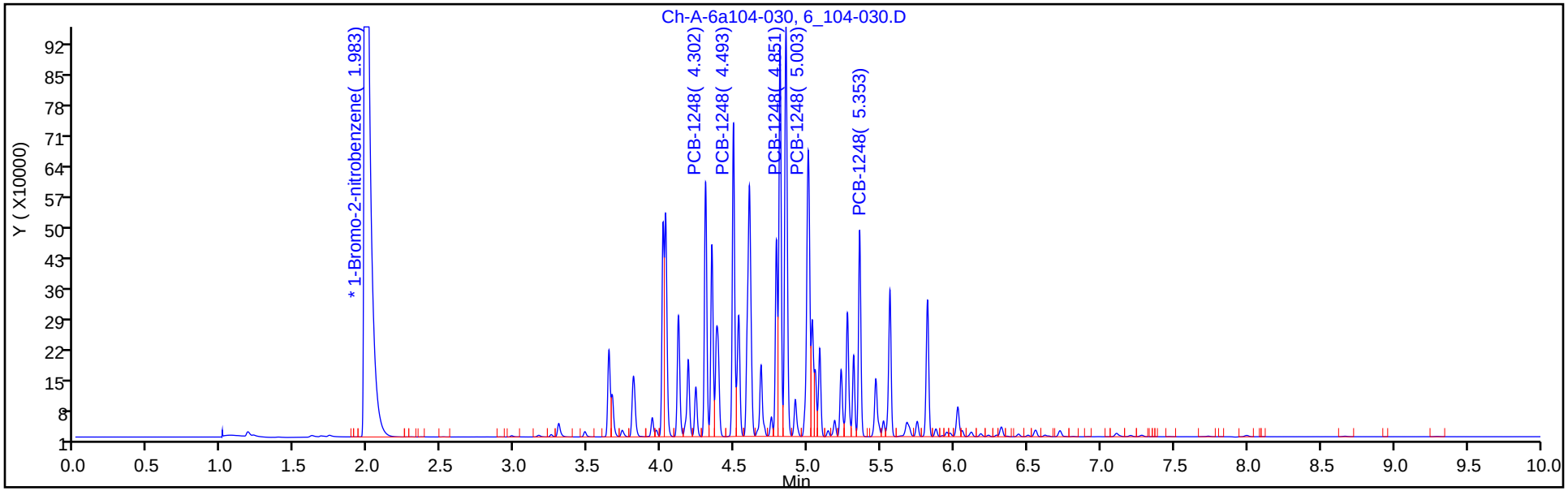
Lims ID: IC level 3 Worklist Smp#: 30

Client ID:

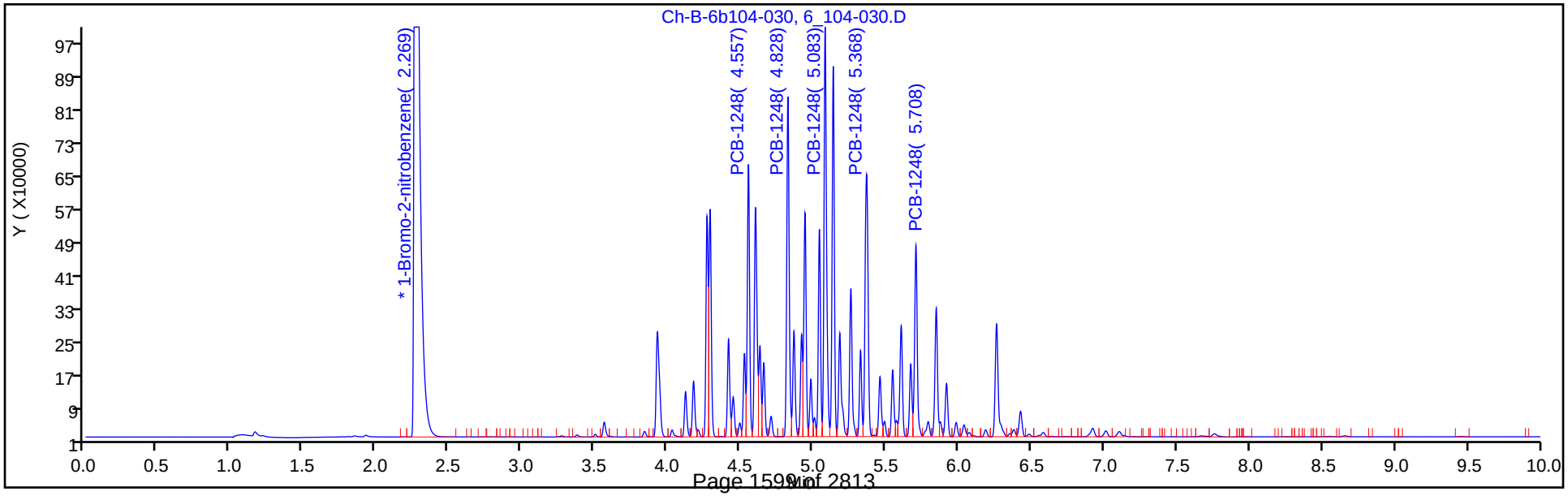
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Calibration / PCB-1248 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

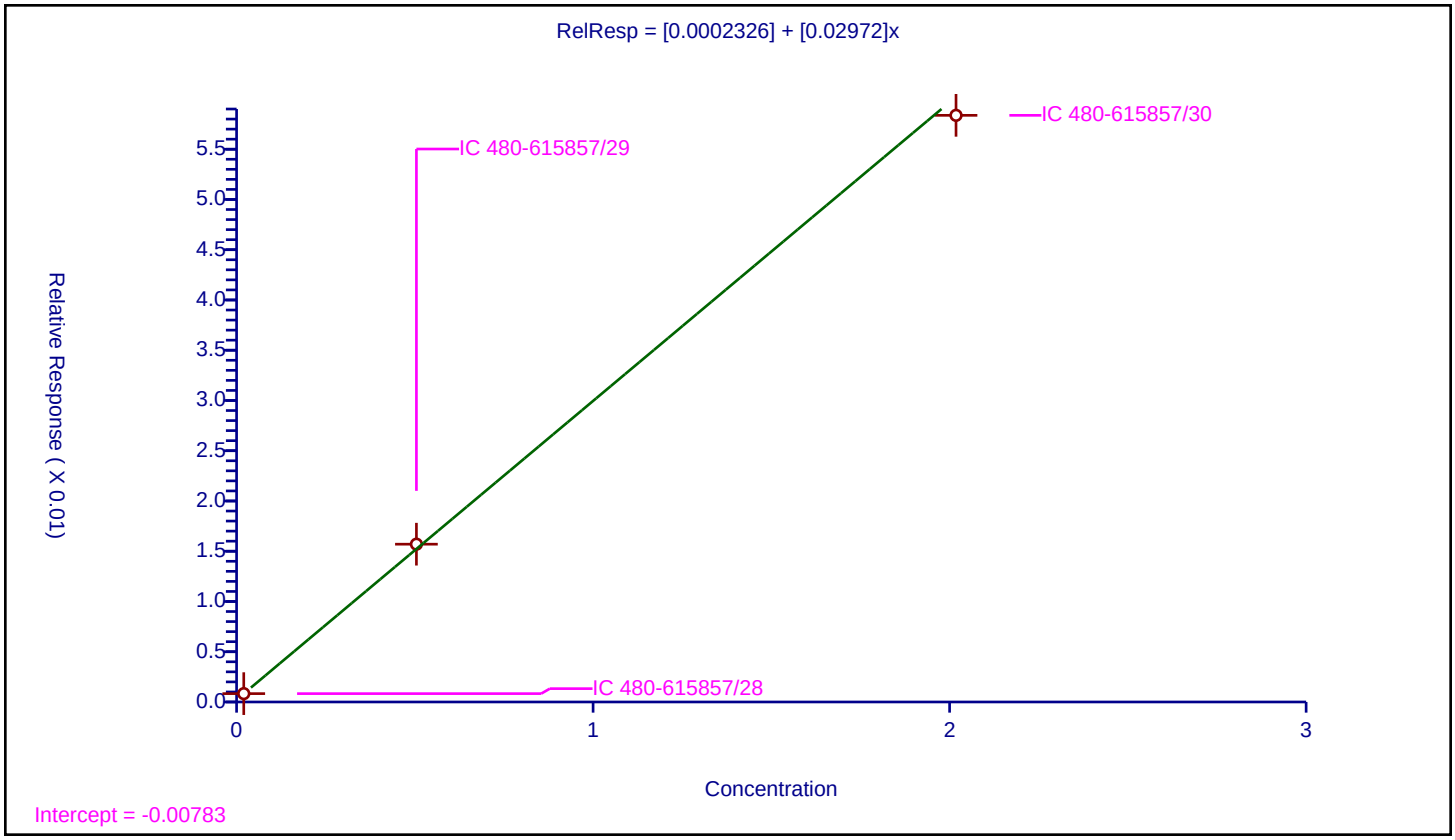
Curve Coefficients

Intercept:	0.0002326
Slope:	0.02972

Error Coefficients

Standard Error:	742000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000832	0.5	6384118.0	0.041221	Y
2	IC 480-615857/29	0.5045	0.015702	0.5	5642946.0	0.031124	Y
3	IC 480-615857/30	2.018	0.05837	0.5	6167880.0	0.028925	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

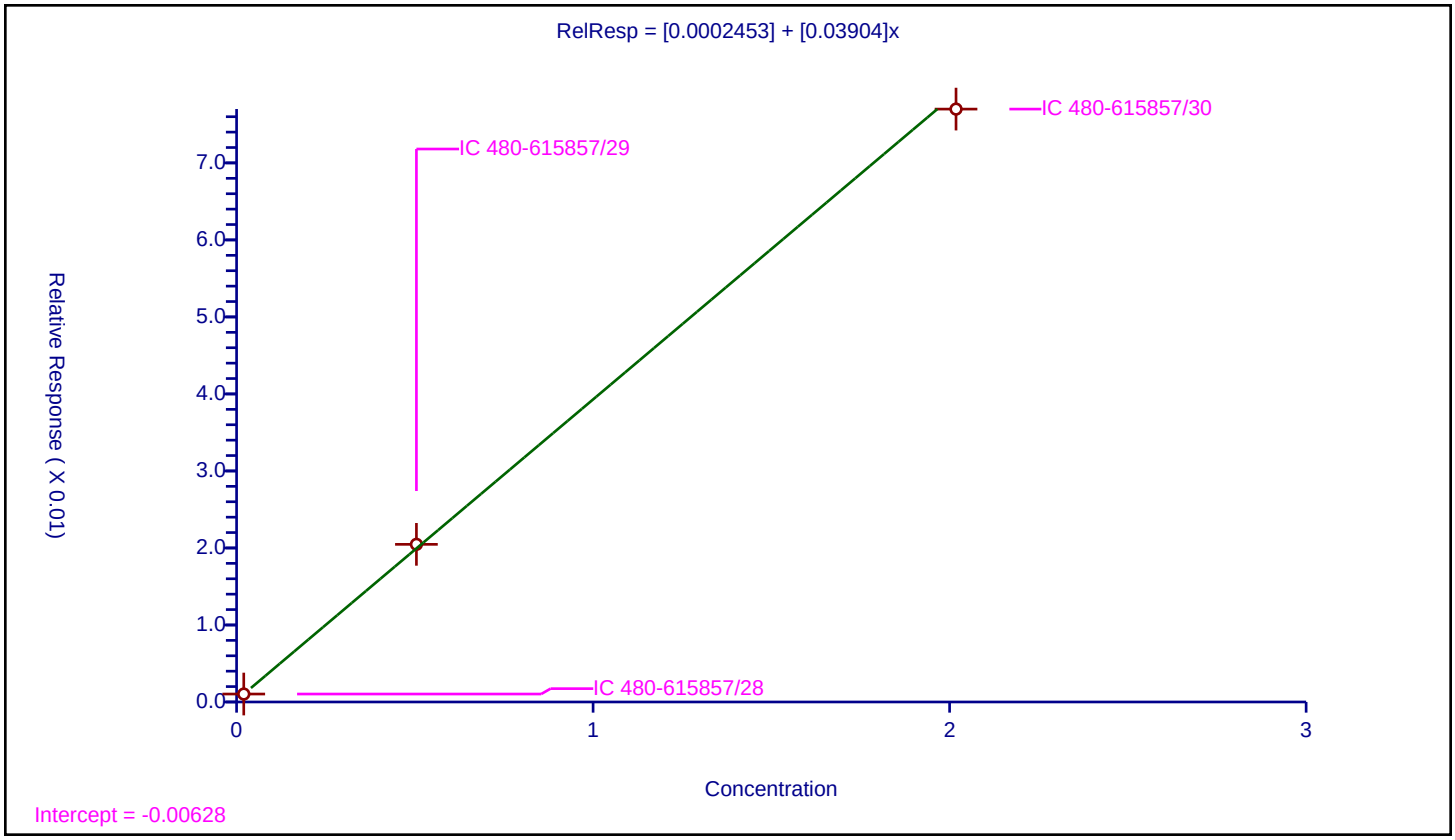
Curve Coefficients

Intercept:	0.0002453
Slope:	0.03904

Error Coefficients

Standard Error:	978000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.001033	0.5	6384118.0	0.051168	Y
2	IC 480-615857/29	0.5045	0.020471	0.5	5642946.0	0.040576	Y
3	IC 480-615857/30	2.018	0.076991	0.5	6167880.0	0.038152	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

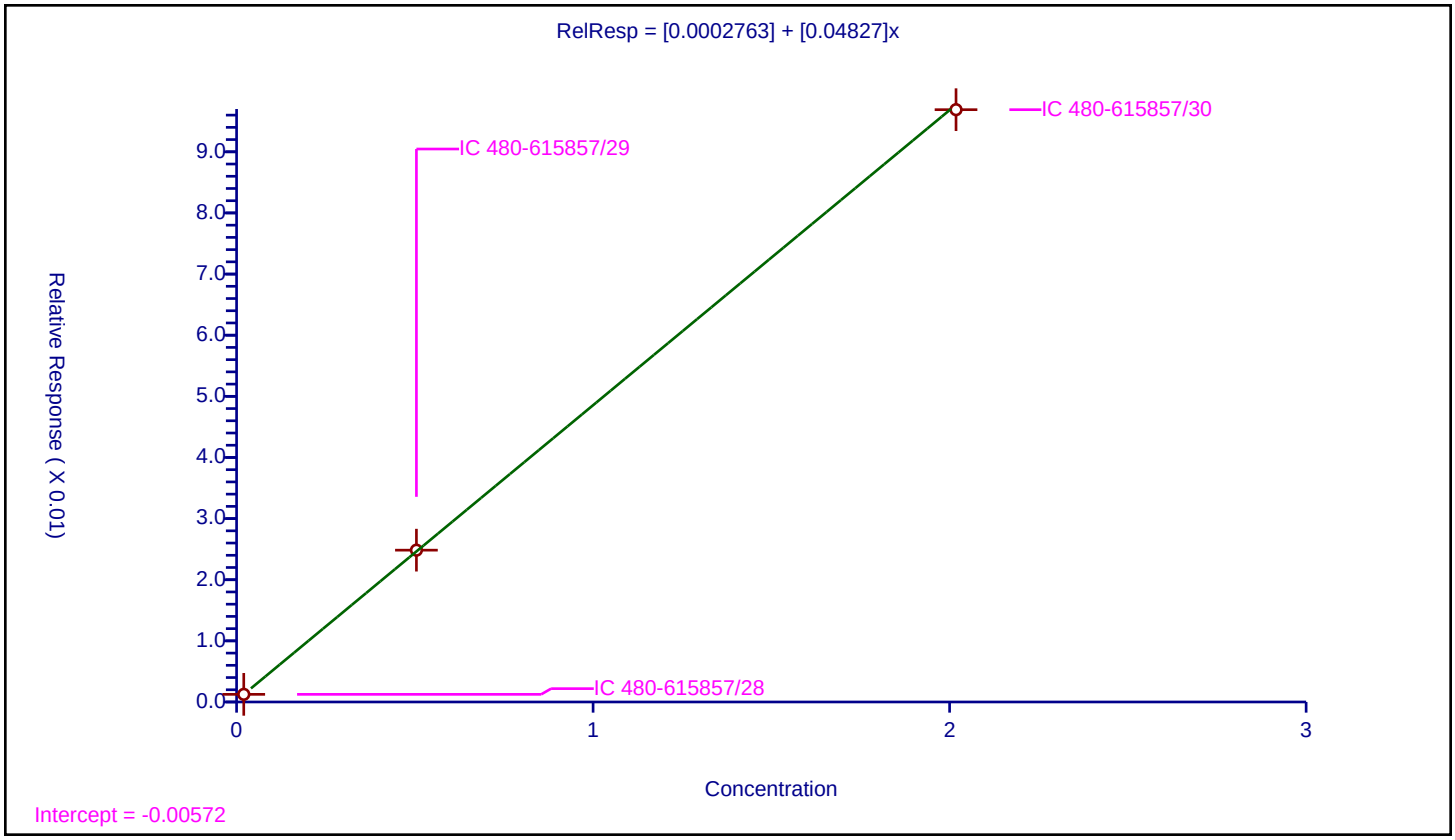
Curve Coefficients

Intercept:	0.0002763
Slope:	0.04827

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	1.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.00125	0.5	6384118.0	0.061953	Y
2	IC 480-615857/29	0.5045	0.024835	0.5	5642946.0	0.049226	Y
3	IC 480-615857/30	2.018	0.096892	0.5	6167880.0	0.048014	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

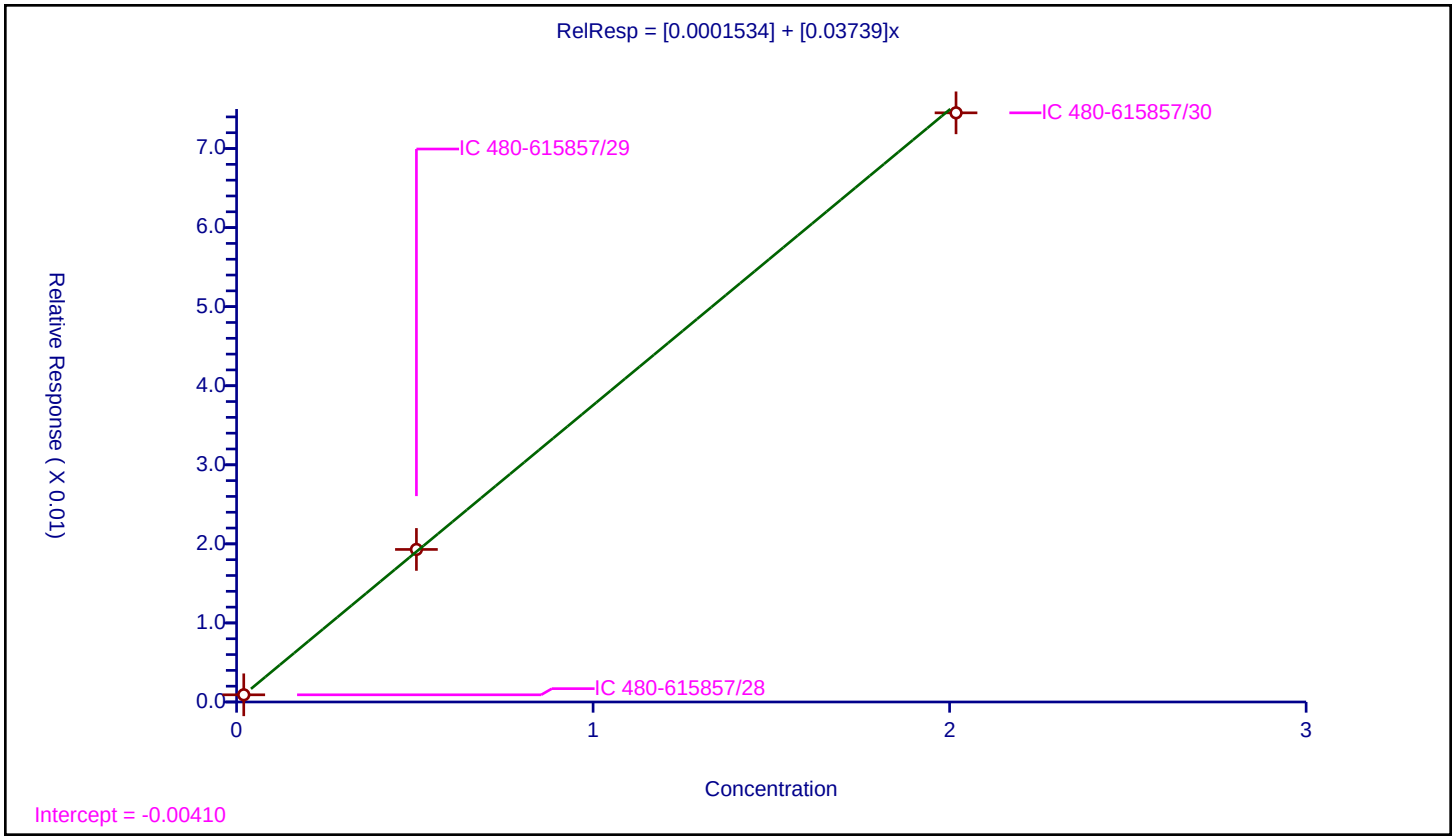
Curve Coefficients

Intercept:	0.0001534
Slope:	0.03739

Error Coefficients

Standard Error:	945000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000907	0.5	6384118.0	0.04497	Y
2	IC 480-615857/29	0.5045	0.019293	0.5	5642946.0	0.038242	Y
3	IC 480-615857/30	2.018	0.074517	0.5	6167880.0	0.036926	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

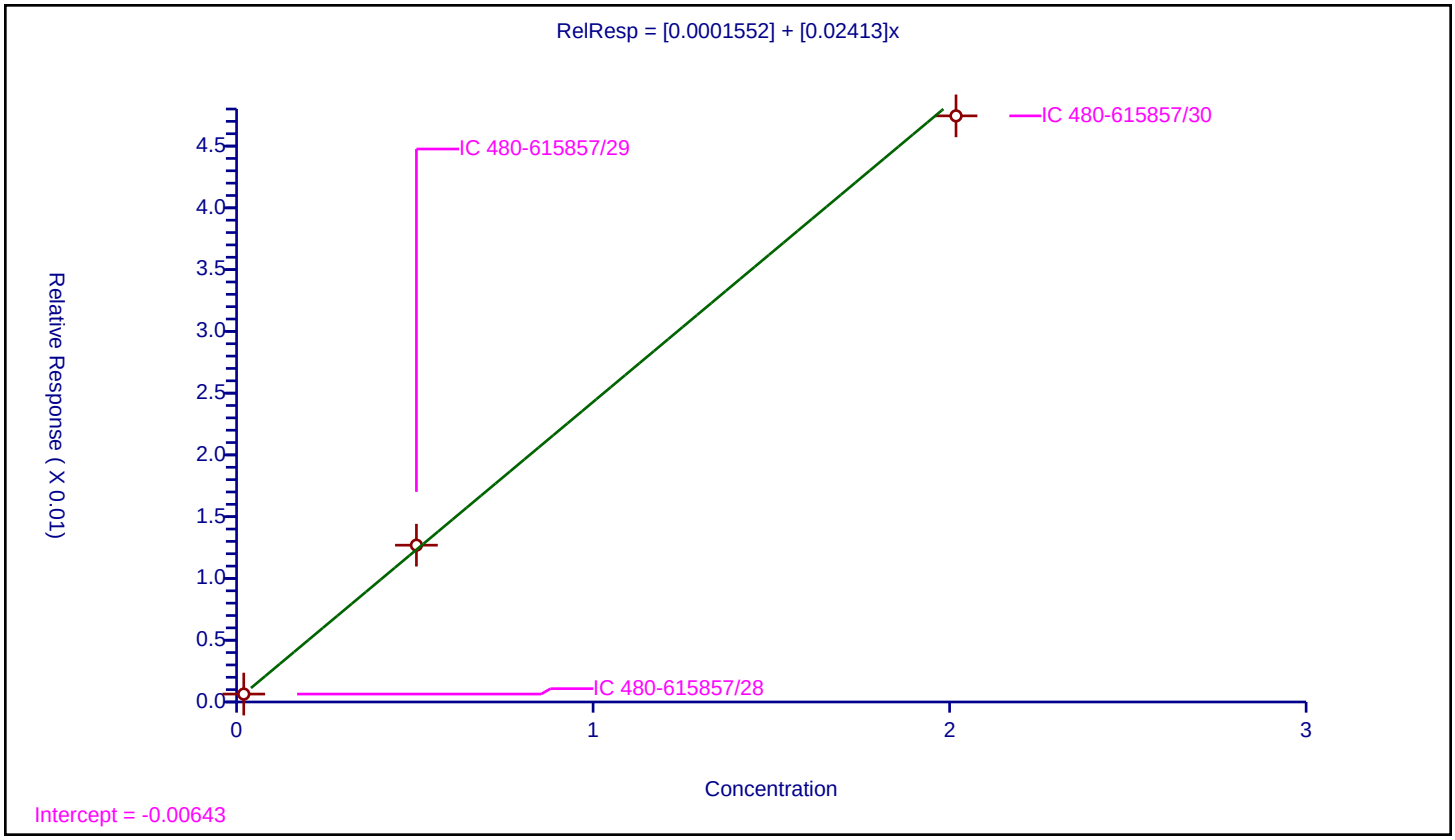
Curve Coefficients

Intercept:	0.0001552
Slope:	0.02413

Error Coefficients

Standard Error:	603000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-615857/28	0.02018	0.000642	0.5	6384118.0	0.031801	Y
2	IC 480-615857/29	0.5045	0.012693	0.5	5642946.0	0.02516	Y
3	IC 480-615857/30	2.018	0.047446	0.5	6167880.0	0.023511	Y



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/11 Calibration Date: 02/23/2022 18:09

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0241		0.475	0.501	-5.3	20.0
PCB-1016 Peak 2	Lin2		0.0544		0.489	0.501	-2.4	20.0
PCB-1016 Peak 3	Lin2		0.0332		0.476	0.501	-5.0	20.0
PCB-1016 Peak 4	Lin2		0.0215		0.502	0.501	0.2	20.0
PCB-1016 Peak 5	Lin1		0.0233		0.473	0.501	-5.6	20.0
PCB-1260 Peak 1	Lin2		0.0432		0.438	0.502	-12.6	20.0
PCB-1260 Peak 2	Lin1		0.0494		0.448	0.502	-10.8	20.0
PCB-1260 Peak 3	Lin1		0.0614		0.468	0.502	-6.7	20.0
PCB-1260 Peak 4	Lin1		0.0435		0.504	0.502	0.5	20.0
PCB-1260 Peak 5	Lin1		0.1117		0.503	0.502	0.3	20.0
1260 Res 1	None					0.502		20.0
1260 Res 2	None					0.502		20.0
1260 Res 3	None					0.502		20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/11 Calibration Date: 02/23/2022 18:09

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-011.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.64	3.63	3.66
PCB-1016 Peak 2	4.03	4.01	4.04
PCB-1016 Peak 3	4.12	4.10	4.13
PCB-1016 Peak 4	4.18	4.17	4.20
PCB-1016 Peak 5	4.49	4.48	4.51
PCB-1260 Peak 1	5.55	5.53	5.56
PCB-1260 Peak 2	5.75	5.73	5.76
PCB-1260 Peak 3	6.02	6.01	6.04
PCB-1260 Peak 4	6.44	6.42	6.45
PCB-1260 Peak 5	6.72	6.70	6.73
1260 Res 1	7.11	7.09	7.12
1260 Res 2	7.20	7.18	7.21
1260 Res 3	7.28	7.26	7.29

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-011.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 18:09:32 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:54 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 19:07:04

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.985	1.983	0.002	6205214	0.5000	0.5000	
2	2.270	2.269	0.001	6577067	0.5000	0.5000	
						RPD = 0.00	
6 PCB-1016							
1	3.643	3.642	0.000	150036	0.5014	0.4747	
1	4.029	4.028	0.001	338369	0.5014	0.4895	
1	4.116	4.113	0.003	206692	0.5014	0.4761	
1	4.183	4.182	0.001	133672	0.5014	0.5024	
1	4.492	4.490	0.002	145093	0.5014	0.4734	
		Average of Peak Amounts =				0.4832	
2	3.566	3.564	0.002	130383	0.5014	0.5008	
2	3.932	3.931	0.001	290404	0.5014	0.4784	
2	4.293	4.292	0.000	346644	0.5014	0.4847	
2	4.419	4.418	0.001	225521	0.5014	0.4723	
2	4.828	4.826	0.002	155155	0.5014	0.3549	
		Average of Peak Amounts =				0.4582	
						RPD = 5.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.549	5.547	0.002	269101	0.5017	0.4384	
1	5.745	5.743	0.003	307600	0.5017	0.4475	
1	6.023	6.020	0.002	382264	0.5017	0.4680	
1	6.436	6.434	0.002	270763	0.5017	0.5039	
1	6.720	6.717	0.003	695644	0.5017	0.5031	
		Average of Peak Amounts =				0.4722	
2	5.878	5.876	0.002	300771	0.5017	0.4858	
2	5.986	5.984	0.002	369644	0.5017	0.4864	
2	6.428	6.427	0.001	338985	0.5017	0.4704	
2	6.904	6.901	0.003	318366	0.5017	0.4767	
2	7.108	7.105	0.003	781721	0.5017	0.4918	
		Average of Peak Amounts =				0.4822	
						RPD = 2.11	
9 1260 Res 1							
1	7.107	7.103	0.005	353421	NR	NR	
2	6.904	6.901	0.003	318366	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.201	7.198	0.003	156142	NR	NR	
2	7.011	7.008	0.003	237327	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.278	7.274	0.004	188101	NR	NR	
2	7.108	7.105	0.003	781721	NR	NR	
						RPD = NaN	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660ALTSTD_00021 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-011.D

Injection Date: 23-Feb-2022 18:09:32 Instrument ID: HP6890-6 Operator ID: BufTCHROM

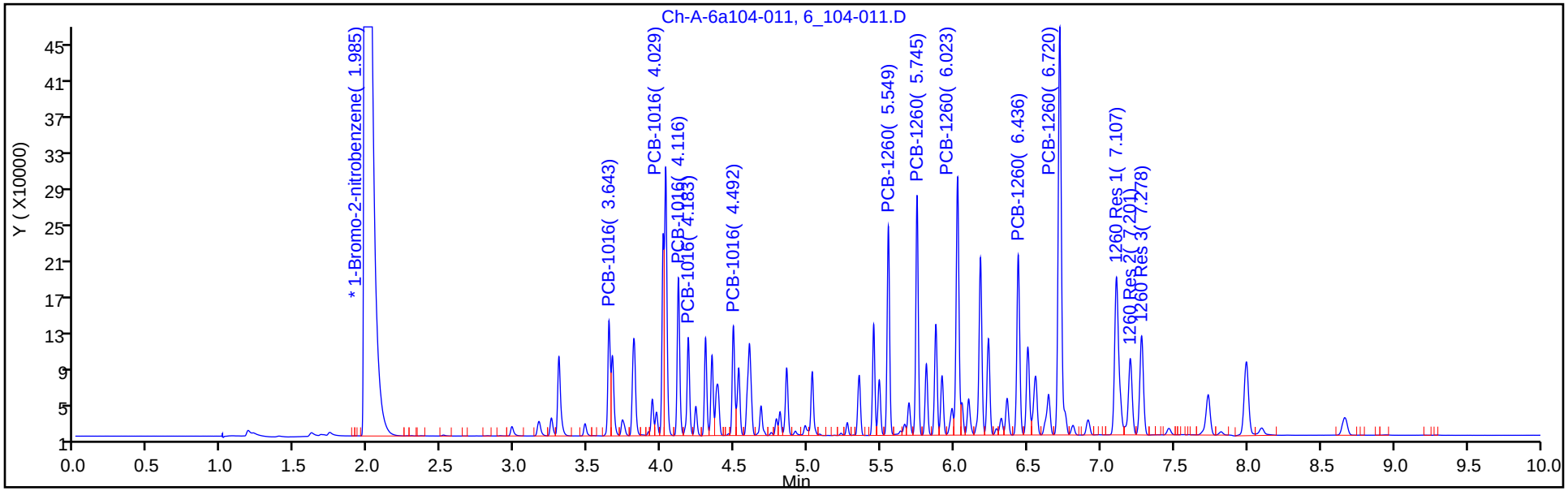
Lims ID: ICV Worklist Smp#: 11

Client ID:

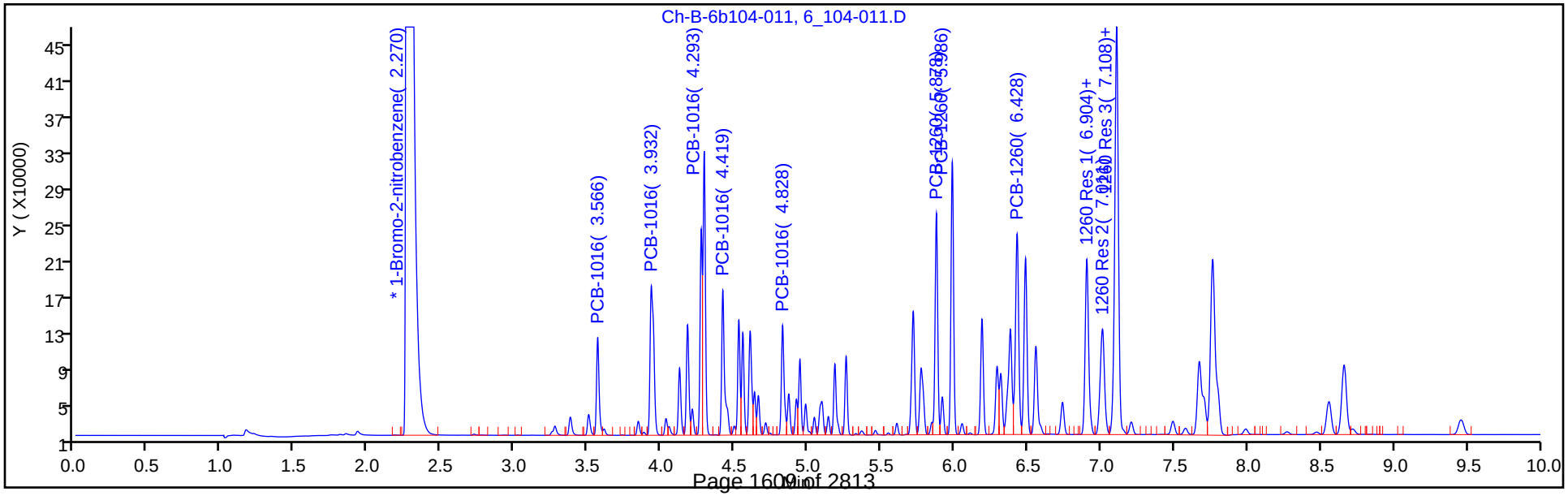
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/11 Calibration Date: 02/23/2022 18:09

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0198		0.501	0.501	-0.1	20.0
PCB-1016 Peak 2	Lin2		0.0440		0.478	0.501	-4.6	20.0
PCB-1016 Peak 3	Ave	0.0544	0.0526		0.485	0.501	-3.3	20.0
PCB-1016 Peak 4	Lin2		0.0342		0.472	0.501	-5.8	20.0
PCB-1016 Peak 5	Lin2		0.0235		0.355	0.501	-29.2*	20.0
PCB-1260 Peak 1	Lin1		0.0456		0.486	0.502	-3.2	20.0
PCB-1260 Peak 2	Lin1		0.0560		0.486	0.502	-3.0	20.0
PCB-1260 Peak 3	Lin1		0.0514		0.470	0.502	-6.2	20.0
1260 Res 1	None					0.502		20.0
PCB-1260 Peak 4	Lin2		0.0482		0.477	0.502	-5.0	20.0
1260 Res 2	None					0.502		20.0
1260 Res 3	None					0.502		20.0
PCB-1260 Peak 5	Lin1		0.1185		0.492	0.502	-2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/11 Calibration Date: 02/23/2022 18:09

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-011.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.57	3.55	3.58
PCB-1016 Peak 2	3.93	3.92	3.95
PCB-1016 Peak 3	4.29	4.28	4.31
PCB-1016 Peak 4	4.42	4.40	4.43
PCB-1016 Peak 5	4.83	4.81	4.84
PCB-1260 Peak 1	5.88	5.86	5.89
PCB-1260 Peak 2	5.99	5.97	6.00
PCB-1260 Peak 3	6.43	6.41	6.44
1260 Res 1	6.90	6.89	6.92
PCB-1260 Peak 4	6.90	6.89	6.92
1260 Res 2	7.01	6.99	7.02
1260 Res 3	7.11	7.09	7.12
PCB-1260 Peak 5	7.11	7.09	7.12

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-011.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 18:09:32 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:54 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 23-Feb-2022 19:07:04

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.985	1.983	0.002	6205214	0.5000	0.5000	
2	2.270	2.269	0.001	6577067	0.5000	0.5000	
						RPD = 0.00	
6 PCB-1016							
1	3.643	3.642	0.000	150036	0.5014	0.4747	
1	4.029	4.028	0.001	338369	0.5014	0.4895	
1	4.116	4.113	0.003	206692	0.5014	0.4761	
1	4.183	4.182	0.001	133672	0.5014	0.5024	
1	4.492	4.490	0.002	145093	0.5014	0.4734	
		Average of Peak Amounts =				0.4832	
2	3.566	3.564	0.002	130383	0.5014	0.5008	
2	3.932	3.931	0.001	290404	0.5014	0.4784	
2	4.293	4.292	0.000	346644	0.5014	0.4847	
2	4.419	4.418	0.001	225521	0.5014	0.4723	
2	4.828	4.826	0.002	155155	0.5014	0.3549	
		Average of Peak Amounts =				0.4582	
						RPD = 5.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.549	5.547	0.002	269101	0.5017	0.4384	
1	5.745	5.743	0.003	307600	0.5017	0.4475	
1	6.023	6.020	0.002	382264	0.5017	0.4680	
1	6.436	6.434	0.002	270763	0.5017	0.5039	
1	6.720	6.717	0.003	695644	0.5017	0.5031	
		Average of Peak Amounts =				0.4722	
2	5.878	5.876	0.002	300771	0.5017	0.4858	
2	5.986	5.984	0.002	369644	0.5017	0.4864	
2	6.428	6.427	0.001	338985	0.5017	0.4704	
2	6.904	6.901	0.003	318366	0.5017	0.4767	
2	7.108	7.105	0.003	781721	0.5017	0.4918	
		Average of Peak Amounts =				0.4822	
						RPD = 2.11	
9 1260 Res 1							
1	7.107	7.103	0.005	353421	NR	NR	
2	6.904	6.901	0.003	318366	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.201	7.198	0.003	156142	NR	NR	
2	7.011	7.008	0.003	237327	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.278	7.274	0.004	188101	NR	NR	
2	7.108	7.105	0.003	781721	NR	NR	
						RPD = NaN	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660ALTSTD_00021 Amount Added: 1.00 Units: mL

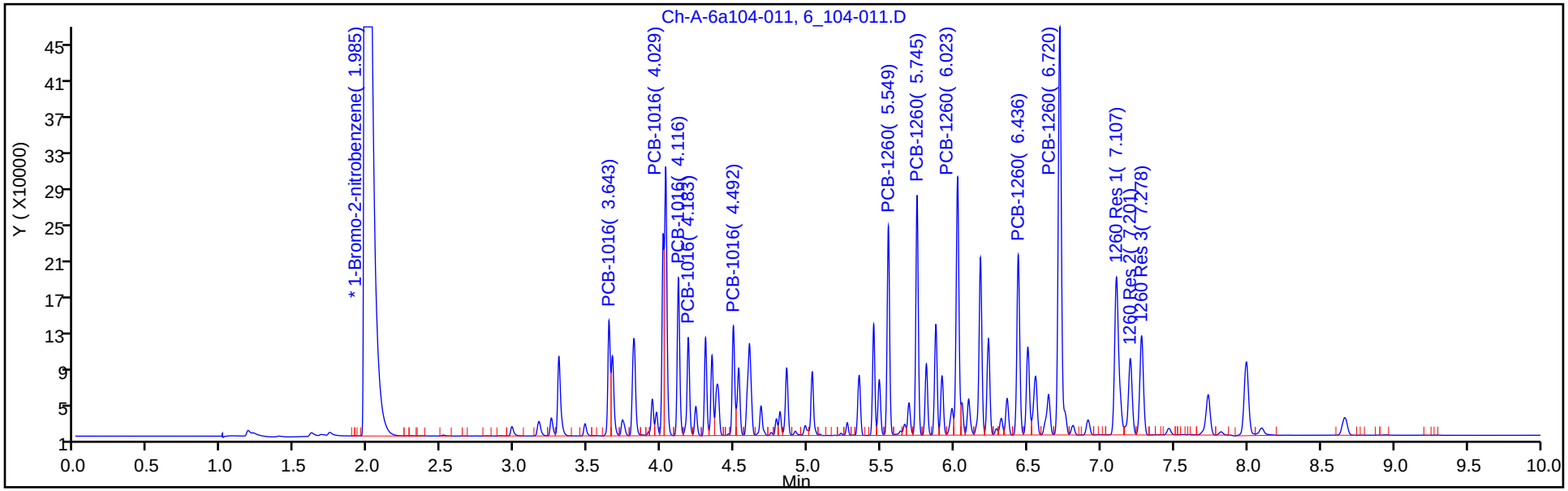
Report Date: 24-Feb-2022 15:03:58 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

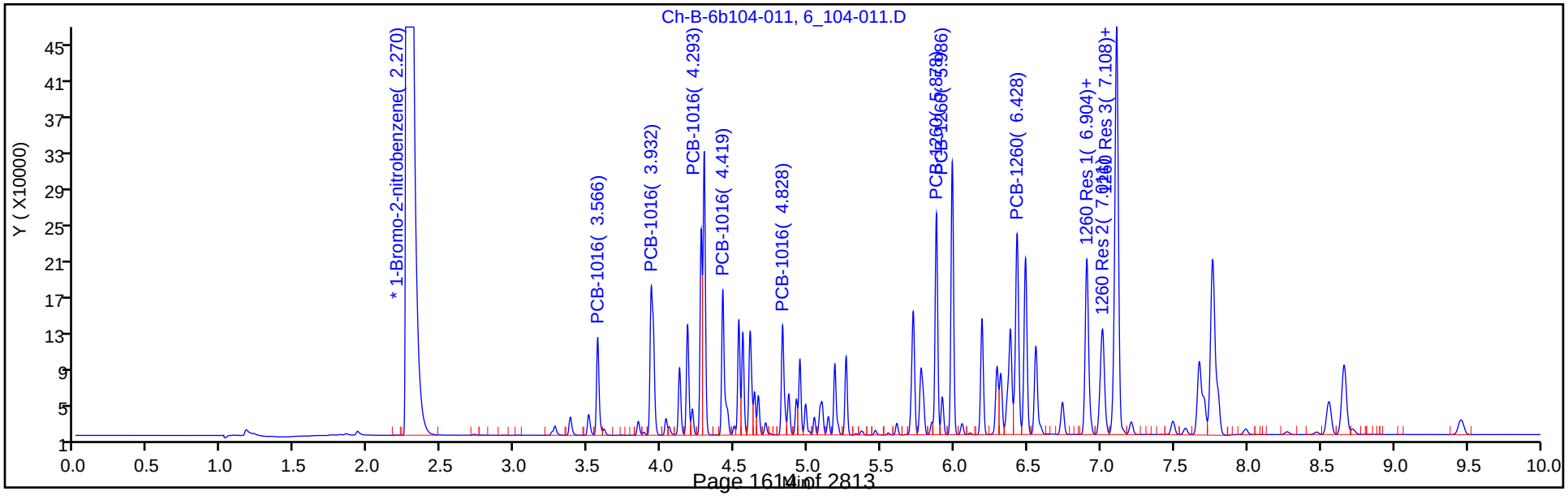
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-011.D

Injection Date:	23-Feb-2022 18:09:32	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/19 Calibration Date: 02/23/2022 19:55

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0128		0.502	0.500	0.4	20.0
PCB-1221 Peak 2	Lin2		0.0080		0.516	0.500	3.2	20.0
PCB-1221 Peak 3	Lin2		0.0289		0.499	0.500	-0.3	20.0
PCB-1254 Peak 1	Lin2		0.0419		0.533	0.500	6.6	20.0
PCB-1254 Peak 2	Lin2		0.0610		0.556	0.500	11.2	20.0
PCB-1254 Peak 3	Lin2		0.0686		0.539	0.500	7.8	20.0
PCB-1254 Peak 4	Lin2		0.0718		0.548	0.500	9.6	20.0
PCB-1254 Peak 5	Lin2		0.0611		0.529	0.500	5.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/19 Calibration Date: 02/23/2022 19:55

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	3.17	3.15	3.18
PCB-1221 Peak 2	3.25	3.23	3.26
PCB-1221 Peak 3	3.30	3.29	3.32
PCB-1254 Peak 1	4.86	4.84	4.87
PCB-1254 Peak 2	5.03	5.02	5.05
PCB-1254 Peak 3	5.35	5.34	5.37
PCB-1254 Peak 4	5.56	5.54	5.57
PCB-1254 Peak 5	6.02	6.01	6.04

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-019.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 19:55:43 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 17:13:04 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.001	5960379	0.5000	0.5000	
2	2.270	2.271	-0.001	6357185	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	76270	0.5000	0.5020	
1	3.249	3.249	0.000	47876	0.5000	0.5161	
1	3.301	3.301	0.000	172372	0.5000	0.4987	
		Average of Peak Amounts =				0.5056	
2	3.380	3.380	0.000	83669	0.5000	0.5071	
2	3.504	3.506	-0.002	54300	0.5000	0.5059	
2	3.566	3.567	-0.001	168056	0.5000	0.4952	
		Average of Peak Amounts =				0.5027	
						RPD = 0.57	
8 PCB-1254							
1	4.857	4.858	-0.001	250016	0.5000	0.5328	
1	5.030	5.031	-0.001	363337	0.5000	0.5558	
1	5.353	5.353	0.001	409178	0.5000	0.5392	
1	5.558	5.558	0.000	427765	0.5000	0.5479	
1	6.023	6.023	0.001	364383	0.5000	0.5288	
		Average of Peak Amounts =				0.5409	
2	5.185	5.186	-0.001	279458	0.5000	0.5020	
2	5.261	5.262	-0.001	325826	0.5000	0.4997	
2	5.709	5.710	-0.001	453363	0.5000	0.5076	
2	5.848	5.849	-0.001	304738	0.5000	0.5068	
2	6.428	6.429	-0.001	349553	0.5000	0.5310	
		Average of Peak Amounts =				0.5094	
						RPD = 5.99	

QC Flag Legend

Processing Flags

Reagents:

1221-1254 ALT_00019 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 17:13:17 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-019.D

Injection Date: 23-Feb-2022 19:55:43 Instrument ID: HP6890-6 Operator ID: BufTCHROM

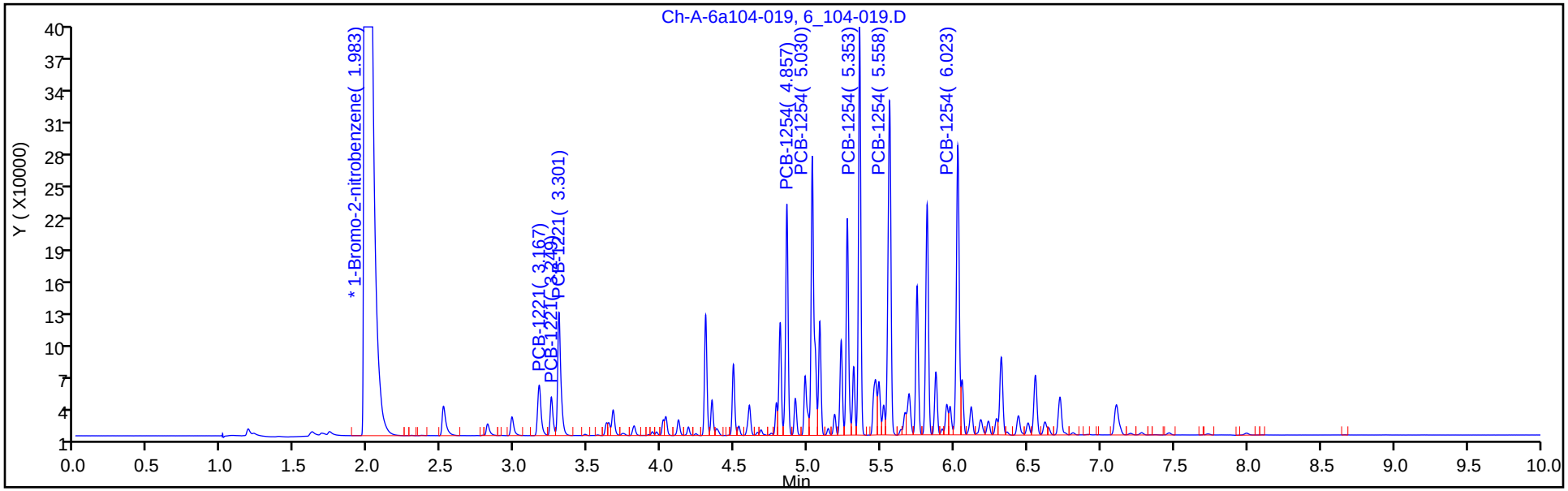
Lims ID: ICV Worklist Smp#: 19

Client ID:

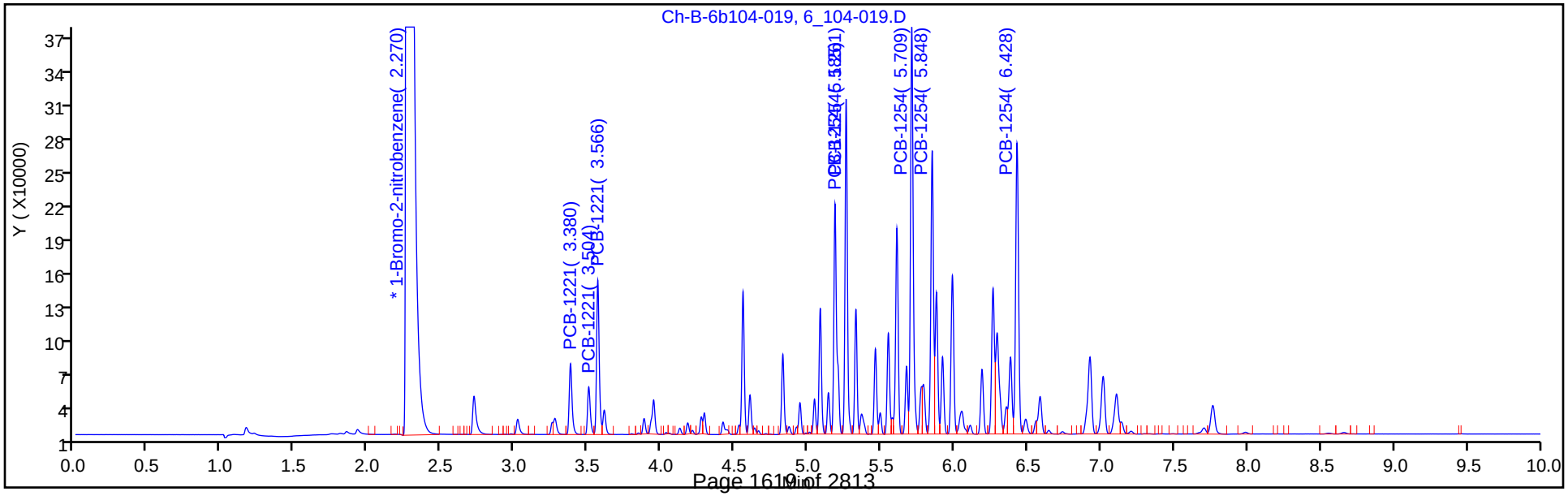
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/19 Calibration Date: 02/23/2022 19:55

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0132		0.507	0.500	1.4	20.0
PCB-1221 Peak 2	Lin2		0.0085		0.506	0.500	1.2	20.0
PCB-1221 Peak 3	Lin2		0.0264		0.495	0.500	-1.0	20.0
PCB-1254 Peak 1	Lin2		0.0440		0.502	0.500	0.4	20.0
PCB-1254 Peak 2	Lin2		0.0513		0.500	0.500	-0.0	20.0
PCB-1254 Peak 3	Lin2		0.0713		0.508	0.500	1.5	20.0
PCB-1254 Peak 4	Lin2		0.0479		0.507	0.500	1.4	20.0
PCB-1254 Peak 5	Lin2		0.0550		0.531	0.500	6.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/19 Calibration Date: 02/23/2022 19:55

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	3.38	3.37	3.40
PCB-1221 Peak 2	3.50	3.49	3.52
PCB-1221 Peak 3	3.57	3.55	3.58
PCB-1254 Peak 1	5.19	5.17	5.20
PCB-1254 Peak 2	5.26	5.25	5.28
PCB-1254 Peak 3	5.71	5.70	5.73
PCB-1254 Peak 4	5.85	5.83	5.86
PCB-1254 Peak 5	6.43	6.41	6.44

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-019.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 19:55:43 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 17:13:04 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.001	5960379	0.5000	0.5000	
2	2.270	2.271	-0.001	6357185	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.167	3.167	0.000	76270	0.5000	0.5020	
1	3.249	3.249	0.000	47876	0.5000	0.5161	
1	3.301	3.301	0.000	172372	0.5000	0.4987	
		Average of Peak Amounts =				0.5056	
2	3.380	3.380	0.000	83669	0.5000	0.5071	
2	3.504	3.506	-0.002	54300	0.5000	0.5059	
2	3.566	3.567	-0.001	168056	0.5000	0.4952	
		Average of Peak Amounts =				0.5027	
						RPD = 0.57	
8 PCB-1254							
1	4.857	4.858	-0.001	250016	0.5000	0.5328	
1	5.030	5.031	-0.001	363337	0.5000	0.5558	
1	5.353	5.353	0.001	409178	0.5000	0.5392	
1	5.558	5.558	0.000	427765	0.5000	0.5479	
1	6.023	6.023	0.001	364383	0.5000	0.5288	
		Average of Peak Amounts =				0.5409	
2	5.185	5.186	-0.001	279458	0.5000	0.5020	
2	5.261	5.262	-0.001	325826	0.5000	0.4997	
2	5.709	5.710	-0.001	453363	0.5000	0.5076	
2	5.848	5.849	-0.001	304738	0.5000	0.5068	
2	6.428	6.429	-0.001	349553	0.5000	0.5310	
		Average of Peak Amounts =				0.5094	
						RPD = 5.99	

QC Flag Legend

Processing Flags

Reagents:

1221-1254 ALT_00019 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 17:13:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-019.D

Injection Date: 23-Feb-2022 19:55:43 Instrument ID: HP6890-6 Operator ID: BufTCHROM

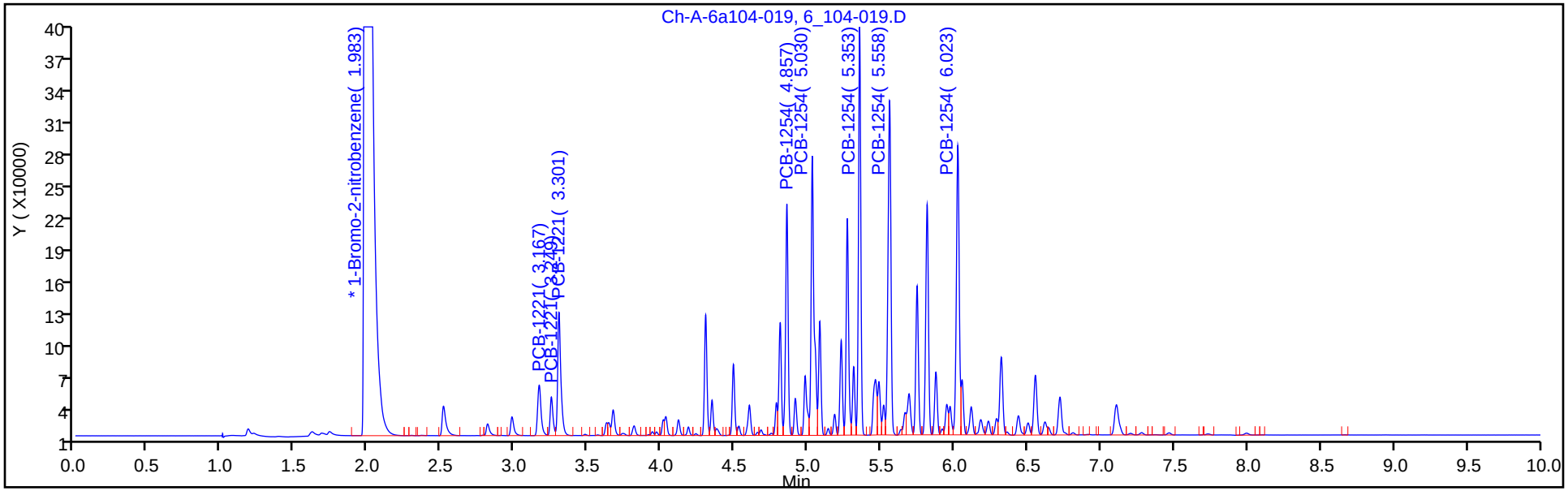
Lims ID: ICV Worklist Smp#: 19

Client ID:

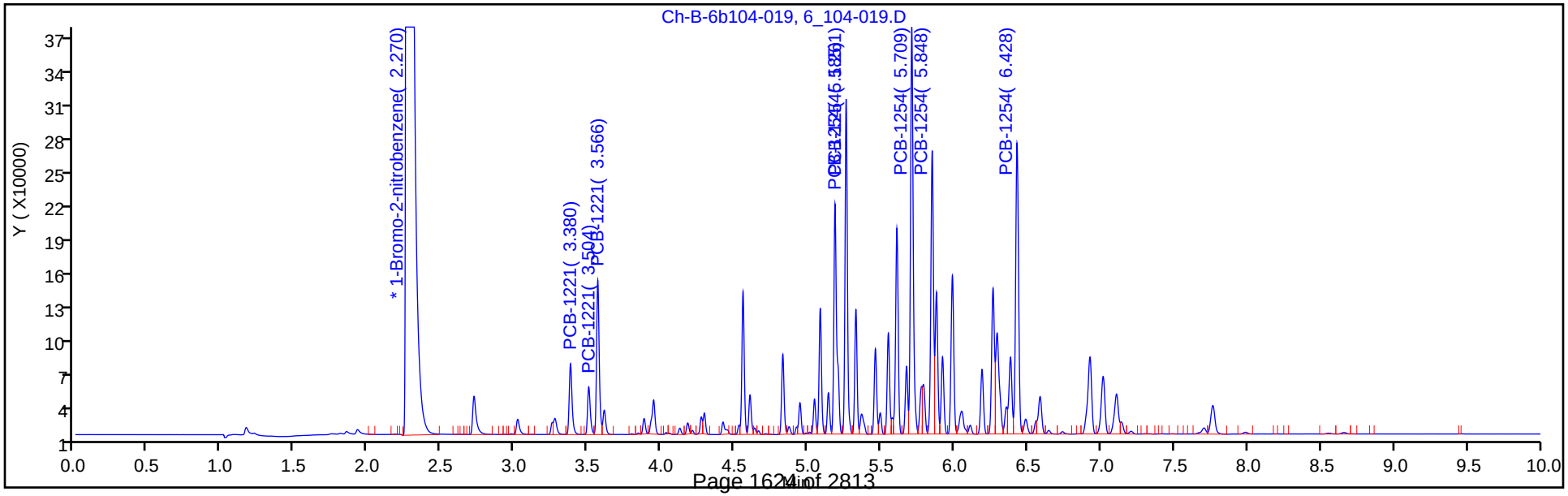
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/23 Calibration Date: 02/23/2022 20:48

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0236		0.495	0.501	-1.2	20.0
PCB-1232 Peak 2	Lin2		0.0136		0.536	0.501	7.0	20.0
PCB-1232 Peak 3	Lin2		0.0272		0.509	0.501	1.5	20.0
PCB-1232 Peak 4	Lin2		0.0172		0.515	0.501	2.8	20.0
PCB-1232 Peak 5	Lin2		0.0102		0.568	0.501	13.3	20.0
PCB-1262 Peak 1	Lin2		0.0395		0.504	0.502	0.5	20.0
PCB-1262 Peak 2	Lin2		0.0447		0.517	0.502	3.0	20.0
PCB-1262 Peak 3	Lin2		0.0599		0.465	0.502	-7.4	20.0
PCB-1262 Peak 4	Lin2		0.1324		0.507	0.502	1.0	20.0
PCB-1262 Peak 5	Lin2		0.0579		0.513	0.502	2.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/23 Calibration Date: 02/23/2022 20:48

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-023.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.30	3.29	3.32
PCB-1232 Peak 2	3.64	3.63	3.66
PCB-1232 Peak 3	4.03	4.02	4.05
PCB-1232 Peak 4	4.12	4.10	4.13
PCB-1232 Peak 5	4.30	4.29	4.32
PCB-1262 Peak 1	5.55	5.54	5.57
PCB-1262 Peak 2	5.75	5.73	5.76
PCB-1262 Peak 3	6.18	6.17	6.20
PCB-1262 Peak 4	6.72	6.71	6.74
PCB-1262 Peak 5	7.28	7.26	7.29

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-023.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 20:48:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:17 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5764793	0.5000	0.5000	
2	2.270	2.270	0.000	6157925	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	136047	0.5010	0.4948	
1	3.644	3.644	0.000	78800	0.5010	0.5363	
1	4.032	4.032	0.000	157358	0.5010	0.5085	
1	4.118	4.118	0.000	99354	0.5010	0.5153	
1	4.303	4.304	-0.001	58750	0.5010	0.5678	
		Average of Peak Amounts =				0.5245	
2	3.566	3.565	0.001	136597	0.5010	0.4921	
2	3.933	3.933	0.000	149217	0.5010	0.5211	
2	4.293	4.293	0.000	158957	0.5010	0.4995	
2	4.421	4.421	0.000	107470	0.5010	0.5135	
2	4.828	4.829	-0.001	98147	0.5010	0.5352	
		Average of Peak Amounts =				0.5123	
						RPD = 2.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	228500	0.5020	0.5044	
1	5.746	5.747	-0.001	258791	0.5020	0.5170	
1	6.180	6.180	0.000	346673	0.5020	0.4648	
1	6.721	6.721	0.000	766467	0.5020	0.5071	
1	7.279	7.278	0.001	335245	0.5020	0.5132	
		Average of Peak Amounts =				0.5013	
2	5.878	5.878	0.000	241485	0.5020	0.5082	
2	5.987	5.986	0.001	300127	0.5020	0.5225	
2	6.486	6.486	0.000	377216	0.5020	0.4680	
2	7.107	7.108	-0.001	873307	0.5020	0.5131	
2	7.670	7.670	0.000	363067	0.5020	0.5035	
		Average of Peak Amounts =				0.5030	
						RPD = 0.35	

Reagents:

1232-1262 ALT_00017 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-023.D

Injection Date: 23-Feb-2022 20:48:55 Instrument ID: HP6890-6 Operator ID: BufTCHROM

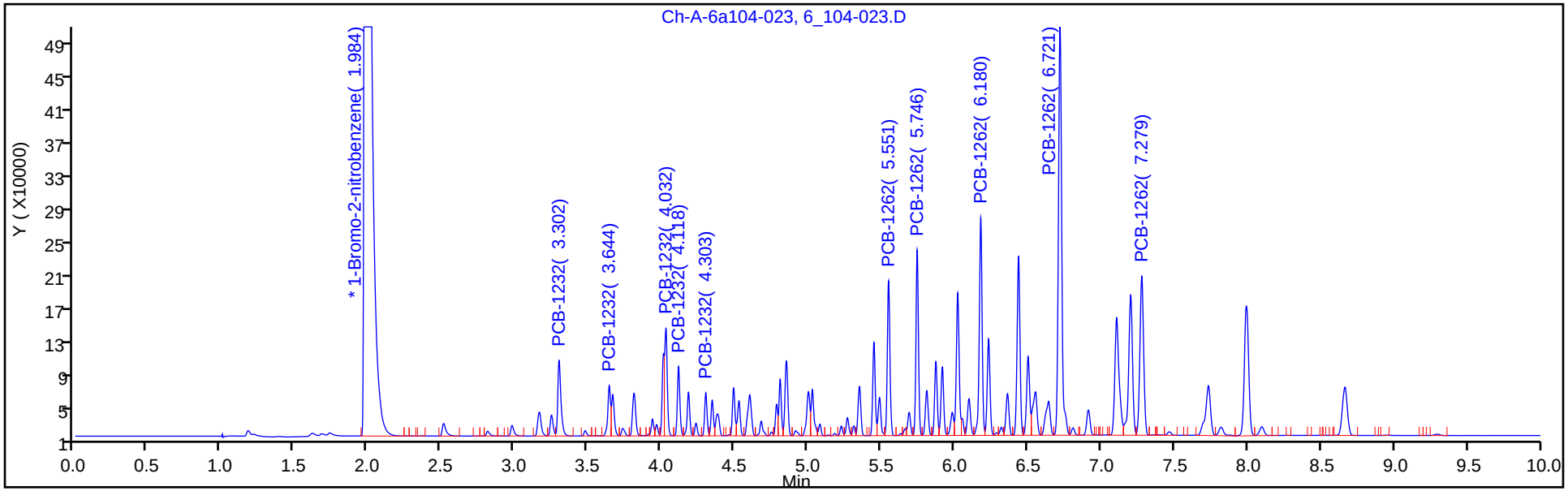
Lims ID: ICV Worklist Smp#: 23

Client ID:

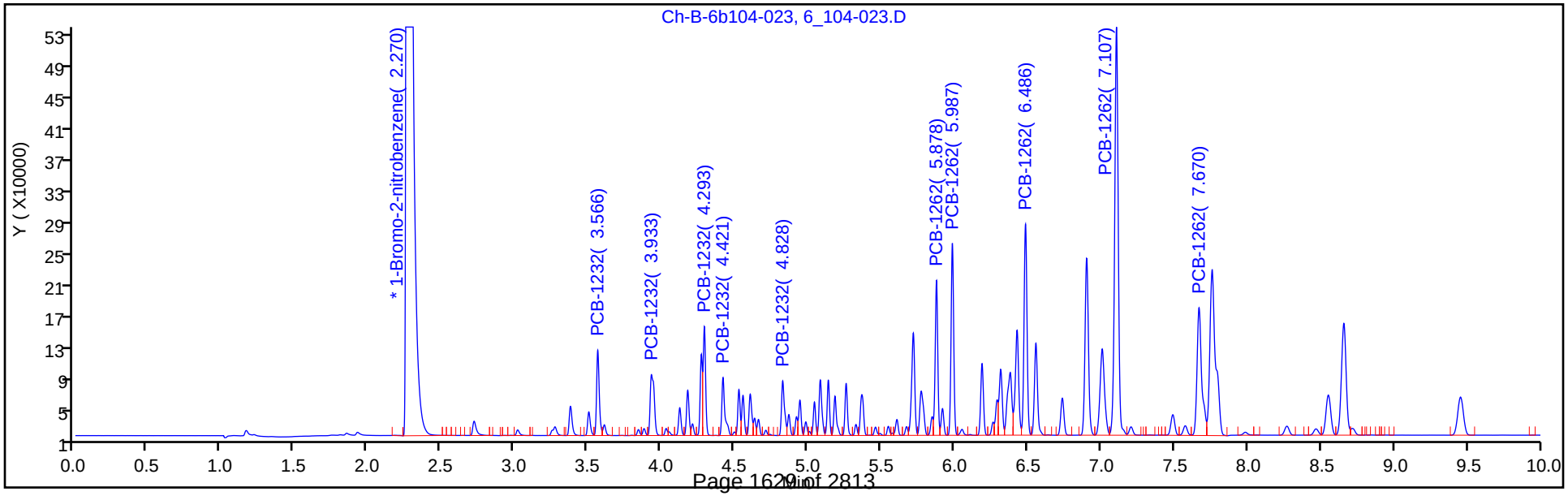
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/23 Calibration Date: 02/23/2022 20:48

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0221		0.492	0.501	-1.8	20.0
PCB-1232 Peak 2	Lin2		0.0242		0.521	0.501	4.0	20.0
PCB-1232 Peak 3	Lin2		0.0258		0.500	0.501	-0.3	20.0
PCB-1232 Peak 4	Lin2		0.0174		0.513	0.501	2.5	20.0
PCB-1232 Peak 5	Lin2		0.0159		0.535	0.501	6.8	20.0
PCB-1262 Peak 1	Lin2		0.0391		0.508	0.502	1.2	20.0
PCB-1262 Peak 2	Lin2		0.0485		0.522	0.502	4.1	20.0
PCB-1262 Peak 3	Lin2		0.0610		0.468	0.502	-6.8	20.0
PCB-1262 Peak 4	Lin2		0.1413		0.513	0.502	2.2	20.0
PCB-1262 Peak 5	Lin2		0.0587		0.503	0.502	0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/23 Calibration Date: 02/23/2022 20:48

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-023.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.57	3.55	3.58
PCB-1232 Peak 2	3.93	3.92	3.95
PCB-1232 Peak 3	4.29	4.28	4.31
PCB-1232 Peak 4	4.42	4.41	4.44
PCB-1232 Peak 5	4.83	4.81	4.84
PCB-1262 Peak 1	5.88	5.86	5.89
PCB-1262 Peak 2	5.99	5.97	6.00
PCB-1262 Peak 3	6.49	6.47	6.50
PCB-1262 Peak 4	7.11	7.09	7.12
PCB-1262 Peak 5	7.67	7.66	7.69

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-023.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 20:48:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:17 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:51:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.984	1.984	0.000	5764793	0.5000	0.5000	
2	2.270	2.270	0.000	6157925	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.302	3.302	0.000	136047	0.5010	0.4948	
1	3.644	3.644	0.000	78800	0.5010	0.5363	
1	4.032	4.032	0.000	157358	0.5010	0.5085	
1	4.118	4.118	0.000	99354	0.5010	0.5153	
1	4.303	4.304	-0.001	58750	0.5010	0.5678	
		Average of Peak Amounts =				0.5245	
2	3.566	3.565	0.001	136597	0.5010	0.4921	
2	3.933	3.933	0.000	149217	0.5010	0.5211	
2	4.293	4.293	0.000	158957	0.5010	0.4995	
2	4.421	4.421	0.000	107470	0.5010	0.5135	
2	4.828	4.829	-0.001	98147	0.5010	0.5352	
		Average of Peak Amounts =				0.5123	
						RPD = 2.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.551	5.551	0.000	228500	0.5020	0.5044	
1	5.746	5.747	-0.001	258791	0.5020	0.5170	
1	6.180	6.180	0.000	346673	0.5020	0.4648	
1	6.721	6.721	0.000	766467	0.5020	0.5071	
1	7.279	7.278	0.001	335245	0.5020	0.5132	
		Average of Peak Amounts =				0.5013	
2	5.878	5.878	0.000	241485	0.5020	0.5082	
2	5.987	5.986	0.001	300127	0.5020	0.5225	
2	6.486	6.486	0.000	377216	0.5020	0.4680	
2	7.107	7.108	-0.001	873307	0.5020	0.5131	
2	7.670	7.670	0.000	363067	0.5020	0.5035	
		Average of Peak Amounts =				0.5030	
						RPD = 0.35	

Reagents:

1232-1262 ALT_00017 Amount Added: 1.00 Units: mL

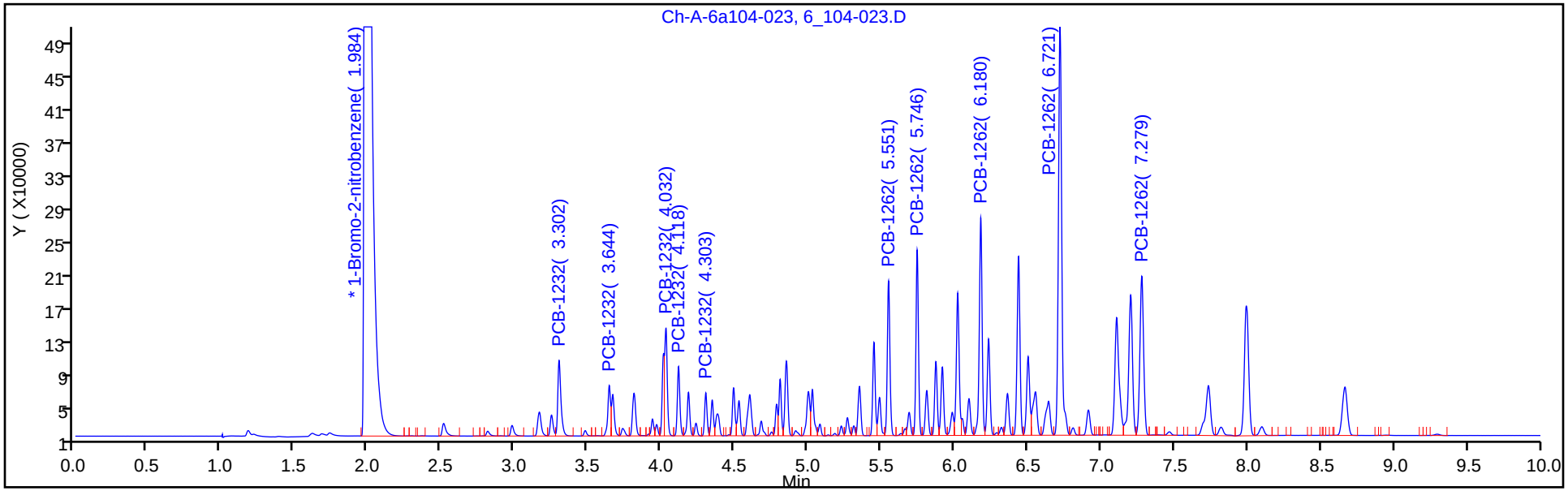
Report Date: 24-Feb-2022 15:03:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

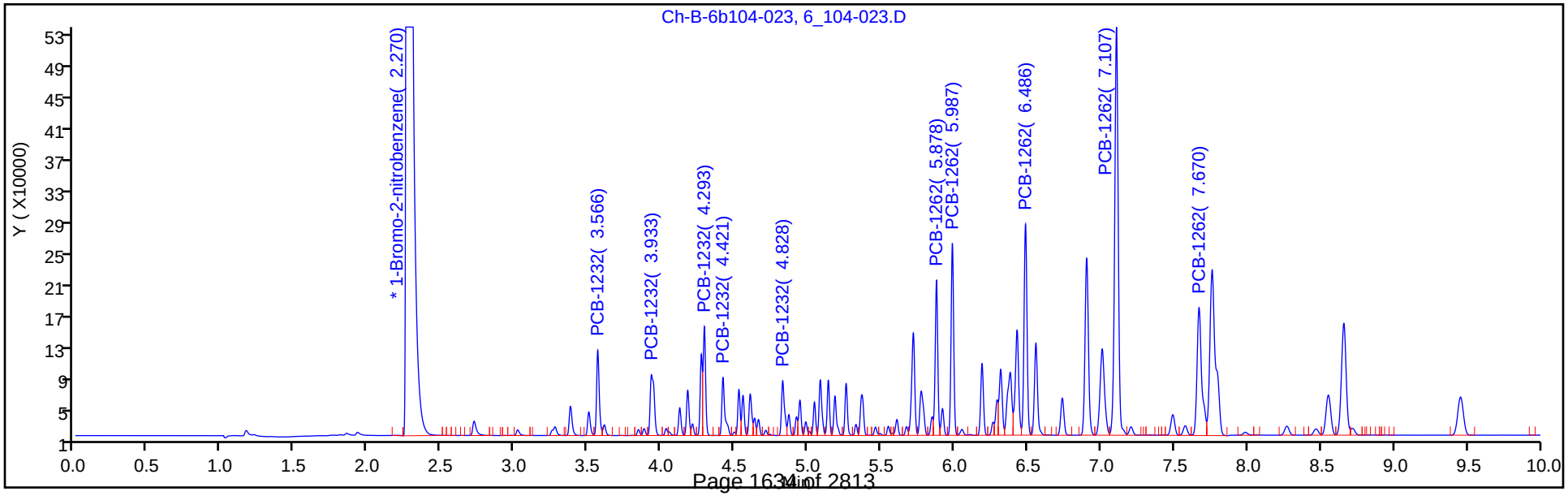
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-023.D

Injection Date:	23-Feb-2022 20:48:55	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/27 Calibration Date: 02/23/2022 21:41

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		0.0170		0.509	0.500	1.7	20.0
PCB-1242 Peak 2	Lin2		0.0202		0.494	0.500	-1.1	20.0
PCB-1242 Peak 3	Lin2		0.0456		0.472	0.500	-5.6	20.0
PCB-1242 Peak 4	Lin2		0.0284		0.489	0.500	-2.3	20.0
PCB-1242 Peak 5	Lin2		0.0179		0.524	0.500	4.8	20.0
PCB-1268 Peak 1	Lin2		0.1588		0.499	0.502	-0.6	20.0
PCB-1268 Peak 2	Lin2		0.1468		0.494	0.502	-1.7	20.0
PCB-1268 Peak 3	Lin2		0.1418		0.539	0.502	7.4	20.0
PCB-1268 Peak 4	Lin2		0.0409		0.360	0.502	-28.2*	20.0
PCB-1268 Peak 5	Lin2		0.3911		0.445	0.502	-11.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/27 Calibration Date: 02/23/2022 21:41

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-027.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.30	3.29	3.32
PCB-1242 Peak 2	3.64	3.63	3.66
PCB-1242 Peak 3	4.03	4.02	4.05
PCB-1242 Peak 4	4.12	4.10	4.13
PCB-1242 Peak 5	4.30	4.29	4.32
PCB-1268 Peak 1	7.20	7.19	7.22
PCB-1268 Peak 2	7.28	7.26	7.29
PCB-1268 Peak 3	7.70	7.68	7.71
PCB-1268 Peak 4	7.99	7.98	8.01
PCB-1268 Peak 5	8.66	8.65	8.68

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-027.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 21:41:55 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:25 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:57:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5738873	0.5000	0.5000	
2	2.270	2.270	0.000	6158803	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.300	3.301	-0.001	97643	0.5000	0.5087	
1	3.643	3.643	0.000	116121	0.5000	0.4943	
1	4.030	4.030	0.000	261834	0.5000	0.4720	
1	4.117	4.117	0.000	162851	0.5000	0.4886	
1	4.303	4.303	0.000	102823	0.5000	0.5240	
		Average of Peak Amounts =				0.4975	
2	3.565	3.565	0.000	102880	0.5000	0.5032	
2	3.932	3.931	0.001	228752	0.5000	0.4963	
2	4.293	4.293	0.000	269147	0.5000	0.4733	
2	4.419	4.419	0.000	178677	0.5000	0.4875	
2	4.828	4.828	0.000	170838	0.5000	0.4883	
		Average of Peak Amounts =				0.4897	
						RPD = 1.58	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.203	7.201	0.001	915224	0.5020	0.4989	
1	7.278	7.276	0.002	846057	0.5020	0.4935	
1	7.698	7.696	0.002	817235	0.5020	0.5393	
1	7.993	7.994	-0.001	235910	0.5020	0.3605	
1	8.664	8.664	0.000	2253168	0.5020	0.4455	
		Average of Peak Amounts =				0.4675	
2	7.668	7.669	-0.001	946369	0.5020	0.5100	
2	7.753	7.753	-0.001	866302	0.5020	0.5570	
2	8.269	8.268	0.001	820793	0.5020	0.5496	
2	8.657	8.657	0.000	235581	0.5020	0.3580	
2	9.456	9.455	0.001	2263973	0.5020	0.4532	
		Average of Peak Amounts =				0.4856	
						RPD = 3.79	

QC Flag Legend

Processing Flags

Reagents:

1242-1268 ALT_00018 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-027.D

Injection Date: 23-Feb-2022 21:41:55 Instrument ID: HP6890-6 Operator ID: BufTCHROM

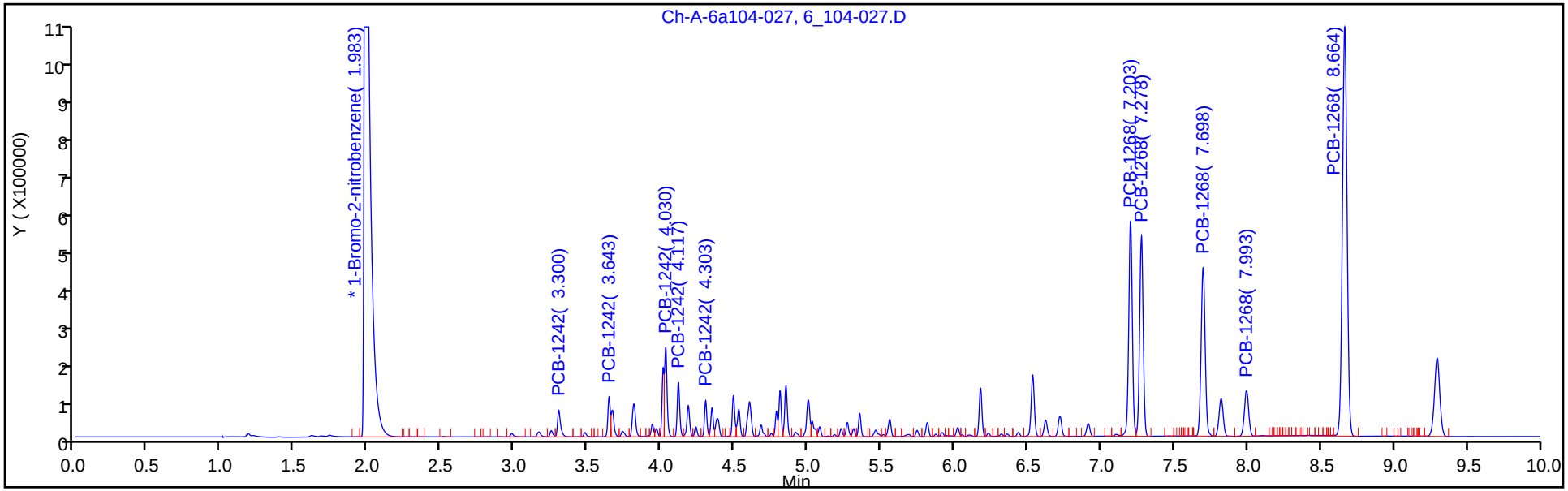
Lims ID: ICV Worklist Smp#: 27

Client ID:

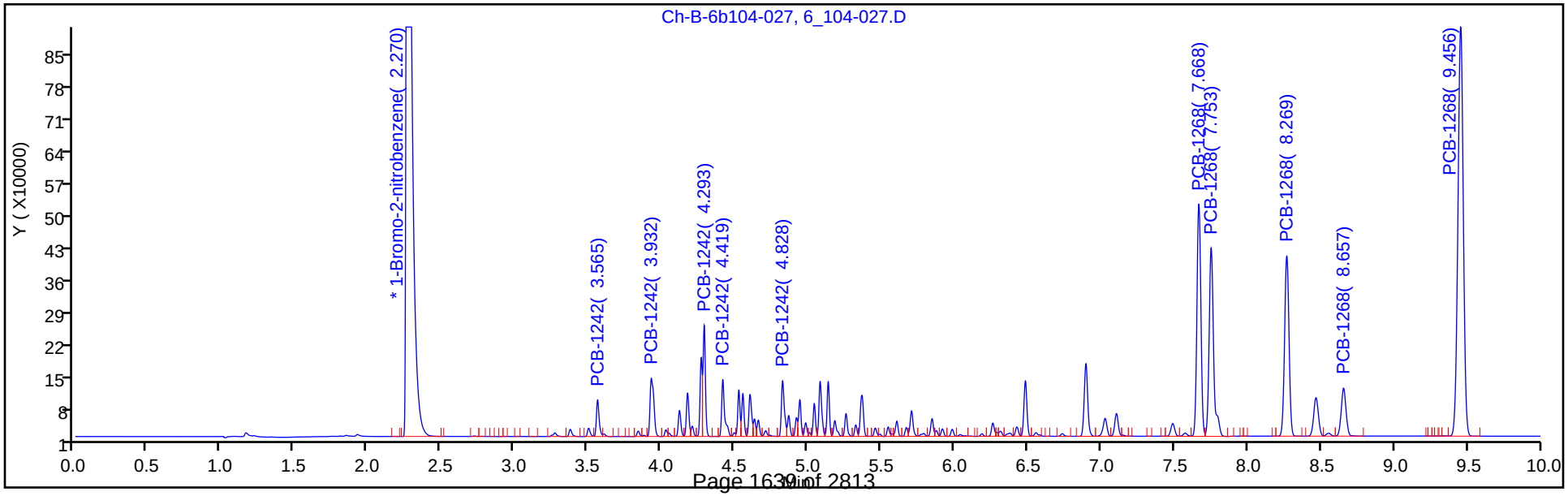
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/27 Calibration Date: 02/23/2022 21:41

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		0.0167		0.503	0.500	0.6	20.0
PCB-1242 Peak 2	Lin2		0.0371		0.496	0.500	-0.7	20.0
PCB-1242 Peak 3	Lin2		0.0437		0.473	0.500	-5.3	20.0
PCB-1242 Peak 4	Lin2		0.0290		0.487	0.500	-2.5	20.0
PCB-1242 Peak 5	Lin2		0.0277		0.488	0.500	-2.3	20.0
PCB-1268 Peak 1	Lin2		0.1530		0.510	0.502	1.6	20.0
PCB-1268 Peak 2	Lin2		0.1401		0.557	0.502	11.0	20.0
PCB-1268 Peak 3	Lin2		0.1327		0.550	0.502	9.5	20.0
PCB-1268 Peak 4	Lin2		0.0381		0.358	0.502	-28.7*	20.0
PCB-1268 Peak 5	Lin2		0.3661		0.453	0.502	-9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/27 Calibration Date: 02/23/2022 21:41

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-027.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.57	3.55	3.58
PCB-1242 Peak 2	3.93	3.92	3.95
PCB-1242 Peak 3	4.29	4.28	4.31
PCB-1242 Peak 4	4.42	4.40	4.43
PCB-1242 Peak 5	4.83	4.81	4.84
PCB-1268 Peak 1	7.67	7.65	7.68
PCB-1268 Peak 2	7.75	7.74	7.77
PCB-1268 Peak 3	8.27	8.25	8.28
PCB-1268 Peak 4	8.66	8.64	8.67
PCB-1268 Peak 5	9.46	9.44	9.47

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-027.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 21:41:55 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:25 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 11:57:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.983	0.000	5738873	0.5000	0.5000	
2	2.270	2.270	0.000	6158803	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.300	3.301	-0.001	97643	0.5000	0.5087	
1	3.643	3.643	0.000	116121	0.5000	0.4943	
1	4.030	4.030	0.000	261834	0.5000	0.4720	
1	4.117	4.117	0.000	162851	0.5000	0.4886	
1	4.303	4.303	0.000	102823	0.5000	0.5240	
		Average of Peak Amounts =				0.4975	
2	3.565	3.565	0.000	102880	0.5000	0.5032	
2	3.932	3.931	0.001	228752	0.5000	0.4963	
2	4.293	4.293	0.000	269147	0.5000	0.4733	
2	4.419	4.419	0.000	178677	0.5000	0.4875	
2	4.828	4.828	0.000	170838	0.5000	0.4883	
		Average of Peak Amounts =				0.4897	
						RPD = 1.58	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.203	7.201	0.001	915224	0.5020	0.4989	
1	7.278	7.276	0.002	846057	0.5020	0.4935	
1	7.698	7.696	0.002	817235	0.5020	0.5393	
1	7.993	7.994	-0.001	235910	0.5020	0.3605	
1	8.664	8.664	0.000	2253168	0.5020	0.4455	
		Average of Peak Amounts =				0.4675	
2	7.668	7.669	-0.001	946369	0.5020	0.5100	
2	7.753	7.753	-0.001	866302	0.5020	0.5570	
2	8.269	8.268	0.001	820793	0.5020	0.5496	
2	8.657	8.657	0.000	235581	0.5020	0.3580	
2	9.456	9.455	0.001	2263973	0.5020	0.4532	
		Average of Peak Amounts =				0.4856	
						RPD = 3.79	

QC Flag Legend

Processing Flags

Reagents:

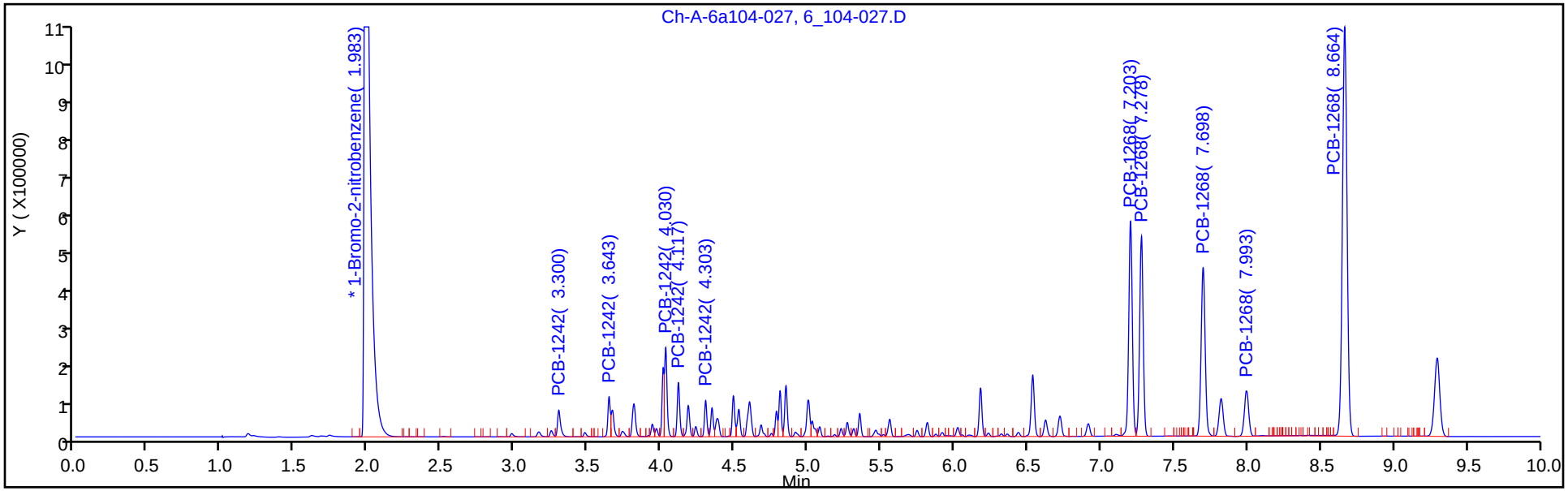
1242-1268 ALT_00018 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

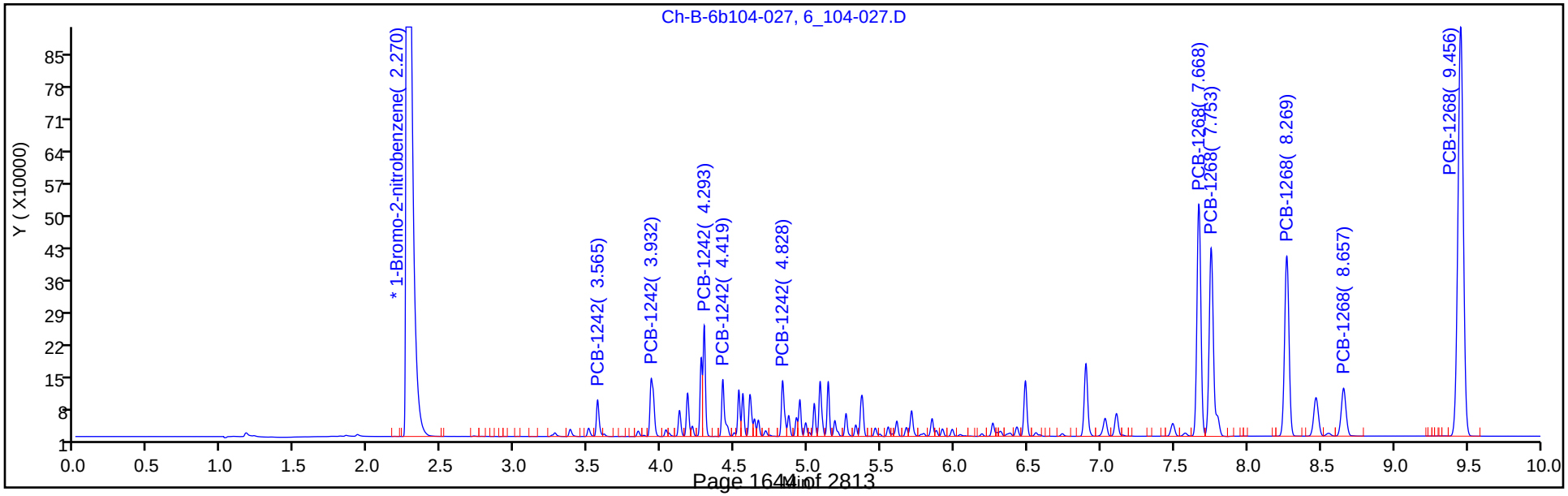
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-027.D				
Injection Date:	23-Feb-2022 21:41:55	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/31 Calibration Date: 02/23/2022 22:35

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0302		0.491	0.500	-1.7	20.0
PCB-1248 Peak 2	Lin2		0.0357		0.490	0.500	-2.0	20.0
PCB-1248 Peak 3	Lin2		0.0516		0.494	0.500	-1.1	20.0
PCB-1248 Peak 4	Lin2		0.0430		0.496	0.500	-0.8	20.0
PCB-1248 Peak 5	Lin2		0.0244		0.515	0.500	3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/31 Calibration Date: 02/23/2022 22:35

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-031.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.30	4.29	4.32
PCB-1248 Peak 2	4.49	4.48	4.51
PCB-1248 Peak 3	4.85	4.84	4.87
PCB-1248 Peak 4	5.00	4.99	5.02
PCB-1248 Peak 5	5.35	5.34	5.37

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-031.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 22:35:14 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:33 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 12:02:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.002	6025126	0.5000	0.5000	
2	2.269	2.270	-0.001	6452265	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	181969	0.5000	0.4914	
1	4.492	4.492	0.000	215261	0.5000	0.4902	
1	4.850	4.850	0.000	311059	0.5000	0.4944	
1	5.003	5.003	0.001	259348	0.5000	0.4959	
1	5.354	5.353	0.001	146827	0.5000	0.5148	
		Average of Peak Amounts =				0.4973	
2	4.556	4.556	0.000	191052	0.5000	0.4903	
2	4.827	4.827	0.000	251334	0.5000	0.4925	
2	5.083	5.083	0.000	307602	0.5000	0.4881	
2	5.367	5.367	0.000	239140	0.5000	0.4916	
2	5.707	5.707	0.000	160756	0.5000	0.5098	
		Average of Peak Amounts =				0.4945	
						RPD = 0.58	

Reagents:

1248 ALT_00018 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-031.D

Injection Date: 23-Feb-2022 22:35:14 Instrument ID: HP6890-6 Operator ID: BufTCHROM

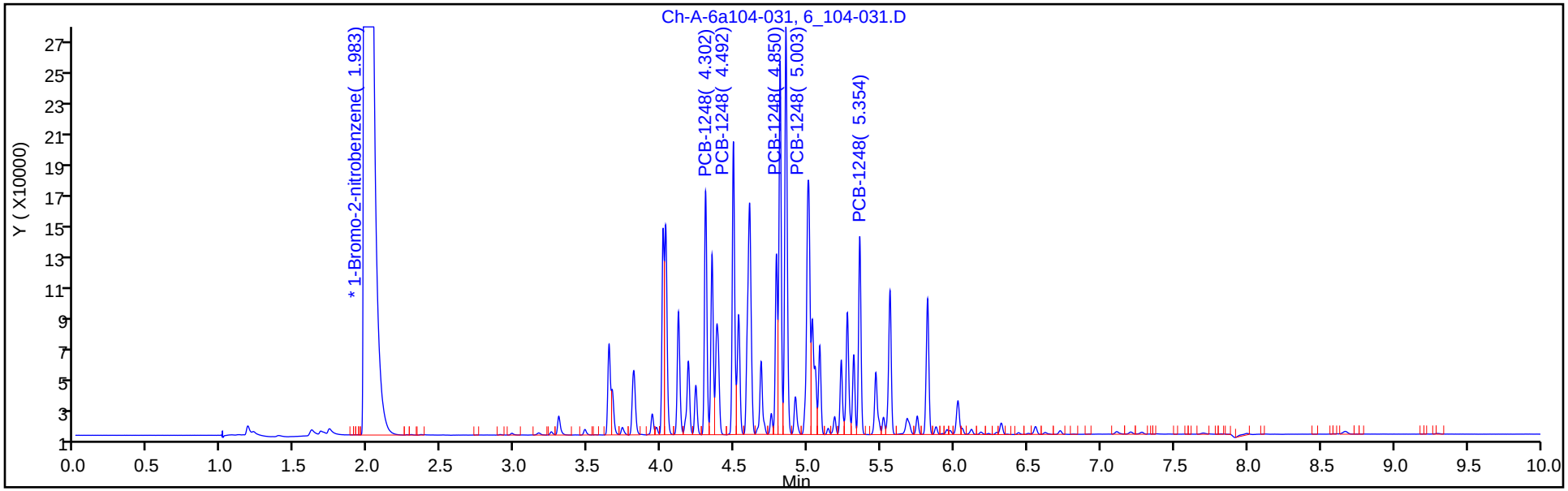
Lims ID: ICV Worklist Smp#: 31

Client ID:

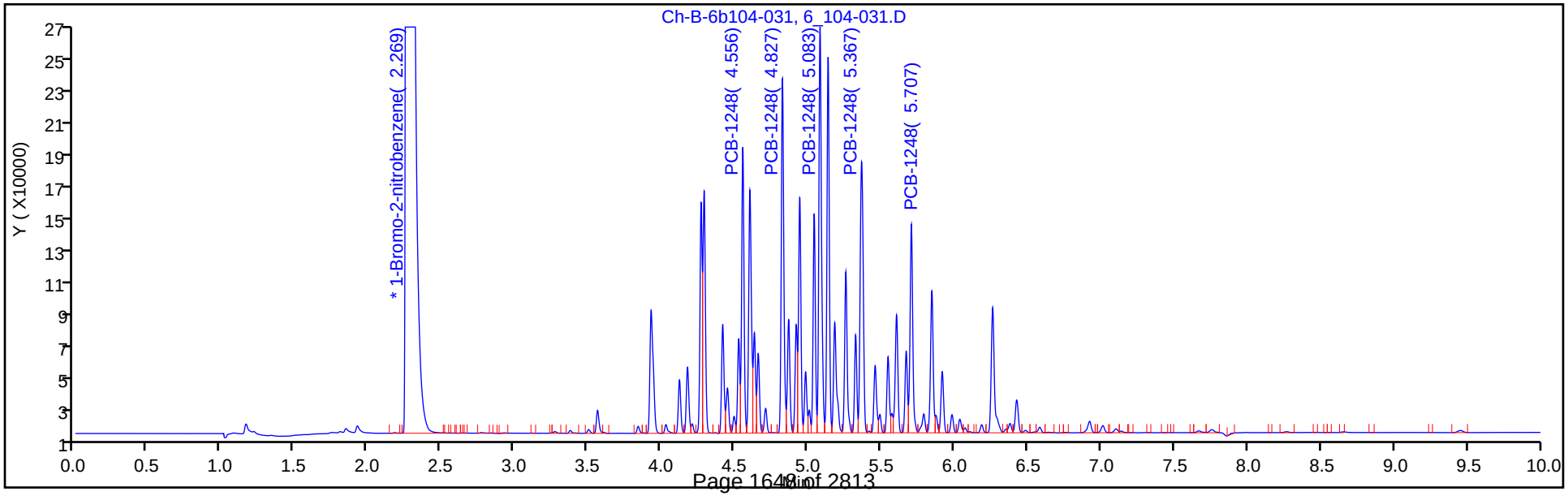
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/31 Calibration Date: 02/23/2022 22:35

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0296		0.490	0.500	-1.9	20.0
PCB-1248 Peak 2	Lin2		0.0390		0.493	0.500	-1.5	20.0
PCB-1248 Peak 3	Lin2		0.0477		0.488	0.500	-2.4	20.0
PCB-1248 Peak 4	Lin2		0.0371		0.492	0.500	-1.7	20.0
PCB-1248 Peak 5	Lin2		0.0249		0.510	0.500	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615857/31 Calibration Date: 02/23/2022 22:35

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-031.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.56	4.54	4.57
PCB-1248 Peak 2	4.83	4.81	4.84
PCB-1248 Peak 3	5.08	5.07	5.10
PCB-1248 Peak 4	5.37	5.35	5.38
PCB-1248 Peak 5	5.71	5.69	5.72

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-031.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2022 22:35:14 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 24-Feb-2022 15:03:33 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1604

First Level Reviewer: clarkda Date: 24-Feb-2022 12:02:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.983	1.984	-0.002	6025126	0.5000	0.5000	
2	2.269	2.270	-0.001	6452265	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.302	4.302	0.000	181969	0.5000	0.4914	
1	4.492	4.492	0.000	215261	0.5000	0.4902	
1	4.850	4.850	0.000	311059	0.5000	0.4944	
1	5.003	5.003	0.001	259348	0.5000	0.4959	
1	5.354	5.353	0.001	146827	0.5000	0.5148	
		Average of Peak Amounts =				0.4973	
2	4.556	4.556	0.000	191052	0.5000	0.4903	
2	4.827	4.827	0.000	251334	0.5000	0.4925	
2	5.083	5.083	0.000	307602	0.5000	0.4881	
2	5.367	5.367	0.000	239140	0.5000	0.4916	
2	5.707	5.707	0.000	160756	0.5000	0.5098	
		Average of Peak Amounts =				0.4945	
						RPD = 0.58	

Reagents:

1248 ALT_00018 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2022 15:03:36 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-031.D

Injection Date: 23-Feb-2022 22:35:14 Instrument ID: HP6890-6 Operator ID: BufTCHROM

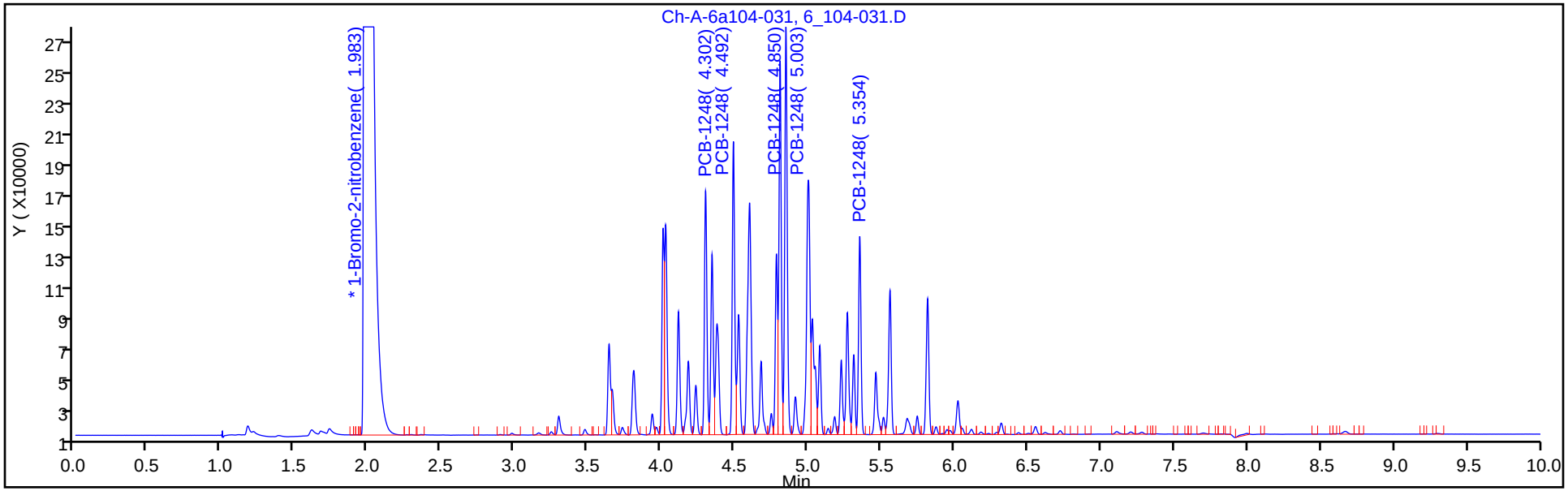
Lims ID: ICV Worklist Smp#: 31

Client ID:

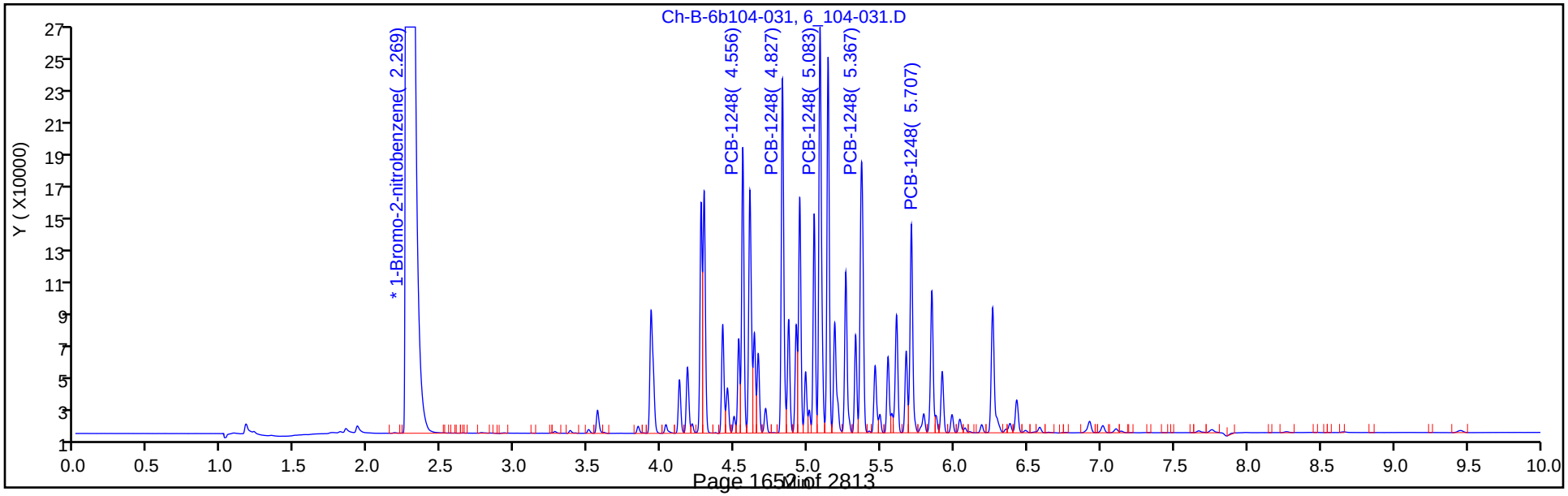
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617012/5 Calibration Date: 03/07/2022 14:44

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-236.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0250		0.492	0.501	-1.9	20.0
PCB-1016 Peak 2	Lin2		0.0531		0.478	0.501	-4.7	20.0
PCB-1016 Peak 3	Lin2		0.0347		0.498	0.501	-0.8	20.0
PCB-1016 Peak 4	Lin2		0.0182		0.424	0.501	-15.4	20.0
PCB-1016 Peak 5	Lin1		0.0232		0.470	0.501	-6.2	20.0
PCB-1260 Peak 1	Lin2		0.0457		0.464	0.502	-7.5	20.0
PCB-1260 Peak 2	Lin1		0.0523		0.475	0.502	-5.4	20.0
PCB-1260 Peak 3	Lin1		0.0641		0.490	0.502	-2.5	20.0
PCB-1260 Peak 4	Lin1		0.0424		0.491	0.502	-2.1	20.0
PCB-1260 Peak 5	Lin1		0.1113		0.502	0.502	-0.0	20.0
Tetrachloro-m-xylene	Lin2		1.076		0.0117	0.0125	-6.6	20.0
DCB Decachlorobiphenyl	Lin1		1.236		0.0124	0.0125	-0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617012/5 Calibration Date: 03/07/2022 14:44

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-236.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.63	3.62	3.65
PCB-1016 Peak 2	4.02	4.01	4.04
PCB-1016 Peak 3	4.11	4.09	4.12
PCB-1016 Peak 4	4.17	4.16	4.19
PCB-1016 Peak 5	4.48	4.47	4.50
PCB-1260 Peak 1	5.54	5.52	5.55
PCB-1260 Peak 2	5.74	5.72	5.75
PCB-1260 Peak 3	6.01	6.00	6.03
PCB-1260 Peak 4	6.43	6.41	6.44
PCB-1260 Peak 5	6.71	6.69	6.72
Tetrachloro-m-xylene	3.01	3.00	3.03
DCB Decachlorobiphenyl	9.28	9.26	9.29

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-236.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Mar-2022 14:44:06 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:12:57 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:12:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	6038374	0.5000	0.5000	
2	2.261	2.261	0.000	5941867	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.013	3.013	0.000	162378	0.0125	0.0117	
2	3.081	3.081	0.000	196751	0.0125	0.0130	
						RPD = 10.72	
6 PCB-1016							
1	3.633	3.633	0.000	151190	0.5014	0.4919	
1	4.020	4.020	0.000	321389	0.5014	0.4776	
1	4.106	4.106	0.000	210014	0.5014	0.4976	
1	4.173	4.173	0.000	110240	0.5014	0.4239	
1	4.482	4.482	0.000	140326	0.5014	0.4704	
		Average of Peak Amounts =				0.4723	
2	3.553	3.553	0.000	122904	0.5014	0.5228	
2	3.920	3.920	0.000	294210	0.5014	0.5373	
2	4.282	4.282	0.000	293356	0.5014	0.4540	
2	4.408	4.408	0.000	226101	0.5014	0.5247	
2	4.816	4.816	0.000	184317	0.5014	0.4675	
		Average of Peak Amounts =				0.5013	
						RPD = 5.95	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.539	5.539	0.000	277015	0.5023	0.4644	
1	5.736	5.736	0.000	317364	0.5023	0.4752	
1	6.013	6.013	0.000	388989	0.5023	0.4898	
1	6.425	6.425	0.000	257131	0.5023	0.4915	
1	6.709	6.709	0.000	675312	0.5023	0.5019	
		Average of Peak Amounts =				0.4846	
2	5.864	5.864	0.000	299730	0.5023	0.5366	
2	5.973	5.973	0.000	369384	0.5023	0.5387	
2	6.413	6.413	0.000	352236	0.5023	0.5419	
2	6.886	6.886	0.000	329985	0.5023	0.5478	
2	7.089	7.089	0.000	787102	0.5023	0.5485	
		Average of Peak Amounts =				0.5427	
						RPD = 11.32	
9 1260 Res 1							
1	7.093	7.093	0.000	333803	NR	NR	
2	6.886	6.886	0.000	329985	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.190	7.190	0.000	162079	NR	NR	
2	6.992	6.992	0.000	244105	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.267	7.267	0.000	186527	NR	NR	
2	7.089	7.089	0.000	787102	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.276	9.276	0.000	186613	0.0125	0.0124	
2	10.225	10.225	0.000	186670	0.0125	0.0136	
						RPD = 9.10	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:12:58 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-236.D

Injection Date: 07-Mar-2022 14:44:06 Instrument ID: HP6890-6 Operator ID: BufTCHROM

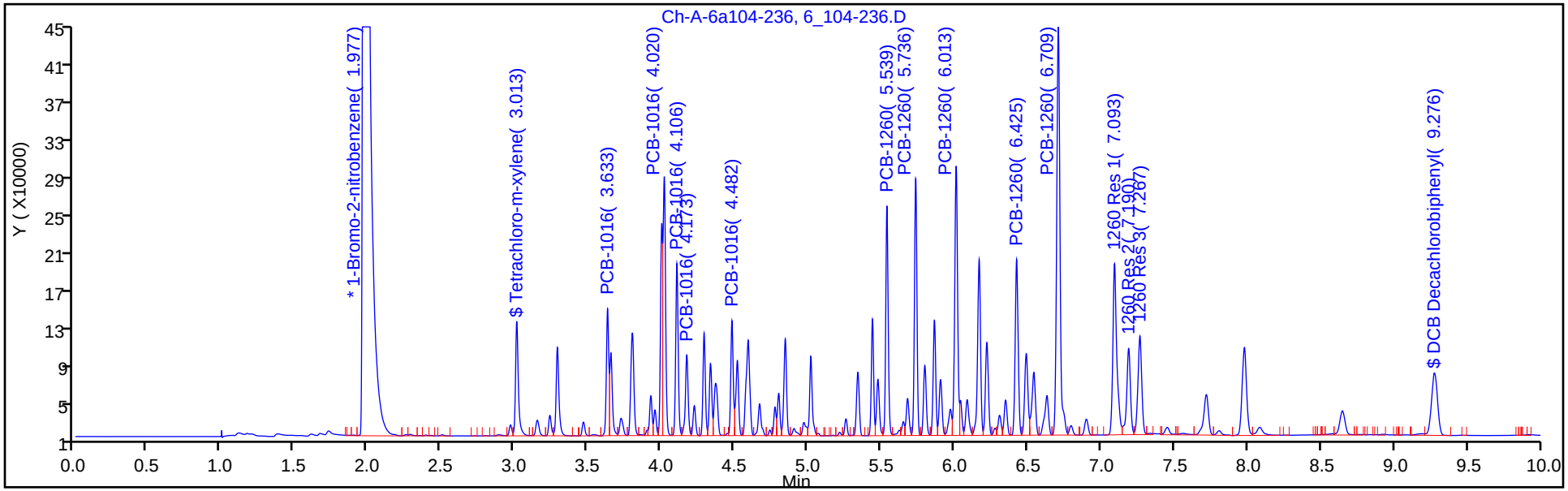
Lims ID: CCVIS Worklist Smp#: 5

Client ID:

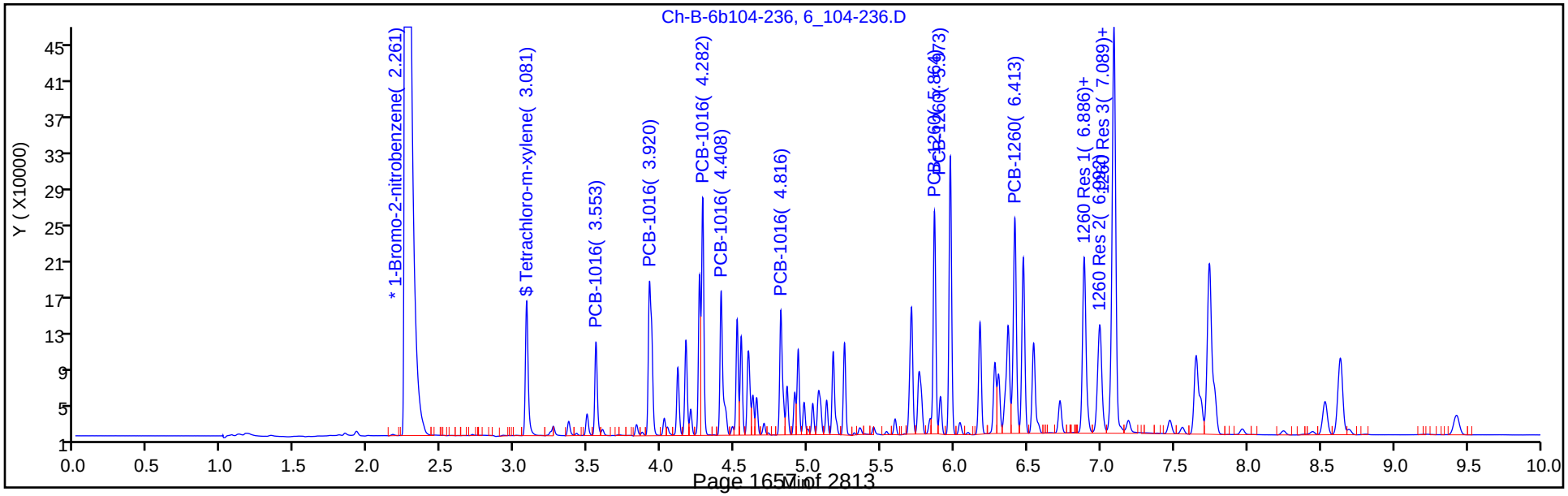
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617012/5 Calibration Date: 03/07/2022 14:44

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-236.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0206		0.523	0.501	4.3	20.0
PCB-1016 Peak 2	Lin2		0.0494		0.537	0.501	7.2	20.0
PCB-1016 Peak 3	Ave	0.0544	0.0492		0.454	0.501	-9.5	20.0
PCB-1016 Peak 4	Lin2		0.0379		0.525	0.501	4.6	20.0
PCB-1016 Peak 5	Lin2		0.0309		0.468	0.501	-6.8	20.0
PCB-1260 Peak 1	Lin1		0.0502		0.537	0.502	6.8	20.0
PCB-1260 Peak 2	Lin1		0.0619		0.539	0.502	7.3	20.0
PCB-1260 Peak 3	Lin1		0.0590		0.542	0.502	7.9	20.0
PCB-1260 Peak 4	Lin2		0.0553		0.548	0.502	9.1	20.0
PCB-1260 Peak 5	Lin1		0.1319		0.549	0.502	9.2	20.0
Tetrachloro-m-xylene	Lin2		1.325		0.0130	0.0125	4.0	20.0
DCB Decachlorobiphenyl	Lin1		1.257		0.0136	0.0125	8.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCVIS 480-617012/5 Calibration Date: 03/07/2022 14:44

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-236.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.55	3.54	3.57
PCB-1016 Peak 2	3.92	3.91	3.94
PCB-1016 Peak 3	4.28	4.27	4.30
PCB-1016 Peak 4	4.41	4.39	4.42
PCB-1016 Peak 5	4.82	4.80	4.83
PCB-1260 Peak 1	5.86	5.85	5.88
PCB-1260 Peak 2	5.97	5.96	5.99
PCB-1260 Peak 3	6.41	6.40	6.43
PCB-1260 Peak 4	6.89	6.87	6.90
PCB-1260 Peak 5	7.09	7.07	7.10
Tetrachloro-m-xylene	3.08	3.07	3.10
DCB Decachlorobiphenyl	10.23	10.21	10.24

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-236.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Mar-2022 14:44:06 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:12:57 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:12:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	6038374	0.5000	0.5000	
2	2.261	2.261	0.000	5941867	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.013	3.013	0.000	162378	0.0125	0.0117	
2	3.081	3.081	0.000	196751	0.0125	0.0130	
						RPD = 10.72	
6 PCB-1016							
1	3.633	3.633	0.000	151190	0.5014	0.4919	
1	4.020	4.020	0.000	321389	0.5014	0.4776	
1	4.106	4.106	0.000	210014	0.5014	0.4976	
1	4.173	4.173	0.000	110240	0.5014	0.4239	
1	4.482	4.482	0.000	140326	0.5014	0.4704	
		Average of Peak Amounts =				0.4723	
2	3.553	3.553	0.000	122904	0.5014	0.5228	
2	3.920	3.920	0.000	294210	0.5014	0.5373	
2	4.282	4.282	0.000	293356	0.5014	0.4540	
2	4.408	4.408	0.000	226101	0.5014	0.5247	
2	4.816	4.816	0.000	184317	0.5014	0.4675	
		Average of Peak Amounts =				0.5013	
						RPD = 5.95	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.539	5.539	0.000	277015	0.5023	0.4644	
1	5.736	5.736	0.000	317364	0.5023	0.4752	
1	6.013	6.013	0.000	388989	0.5023	0.4898	
1	6.425	6.425	0.000	257131	0.5023	0.4915	
1	6.709	6.709	0.000	675312	0.5023	0.5019	
		Average of Peak Amounts =				0.4846	
2	5.864	5.864	0.000	299730	0.5023	0.5366	
2	5.973	5.973	0.000	369384	0.5023	0.5387	
2	6.413	6.413	0.000	352236	0.5023	0.5419	
2	6.886	6.886	0.000	329985	0.5023	0.5478	
2	7.089	7.089	0.000	787102	0.5023	0.5485	
		Average of Peak Amounts =				0.5427	
						RPD = 11.32	
9 1260 Res 1							
1	7.093	7.093	0.000	333803	NR	NR	
2	6.886	6.886	0.000	329985	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.190	7.190	0.000	162079	NR	NR	
2	6.992	6.992	0.000	244105	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.267	7.267	0.000	186527	NR	NR	
2	7.089	7.089	0.000	787102	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.276	9.276	0.000	186613	0.0125	0.0124	
2	10.225	10.225	0.000	186670	0.0125	0.0136	
						RPD = 9.10	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:12:58 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-236.D

Injection Date: 07-Mar-2022 14:44:06 Instrument ID: HP6890-6 Operator ID: BufTCHROM

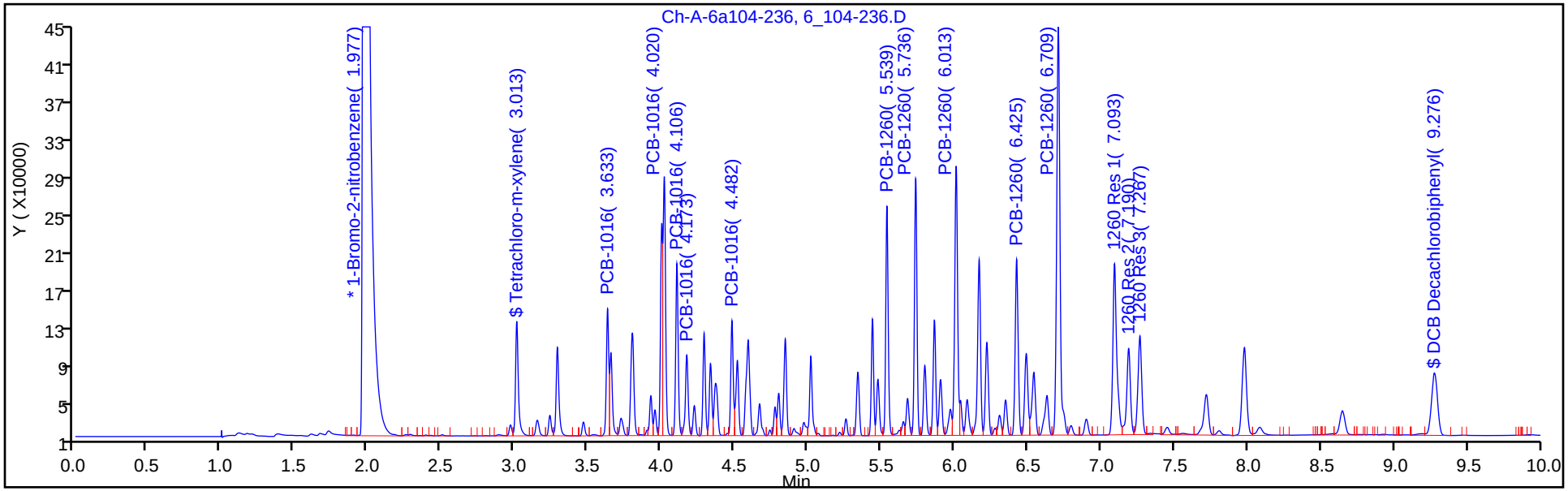
Lims ID: CCVIS Worklist Smp#: 5

Client ID:

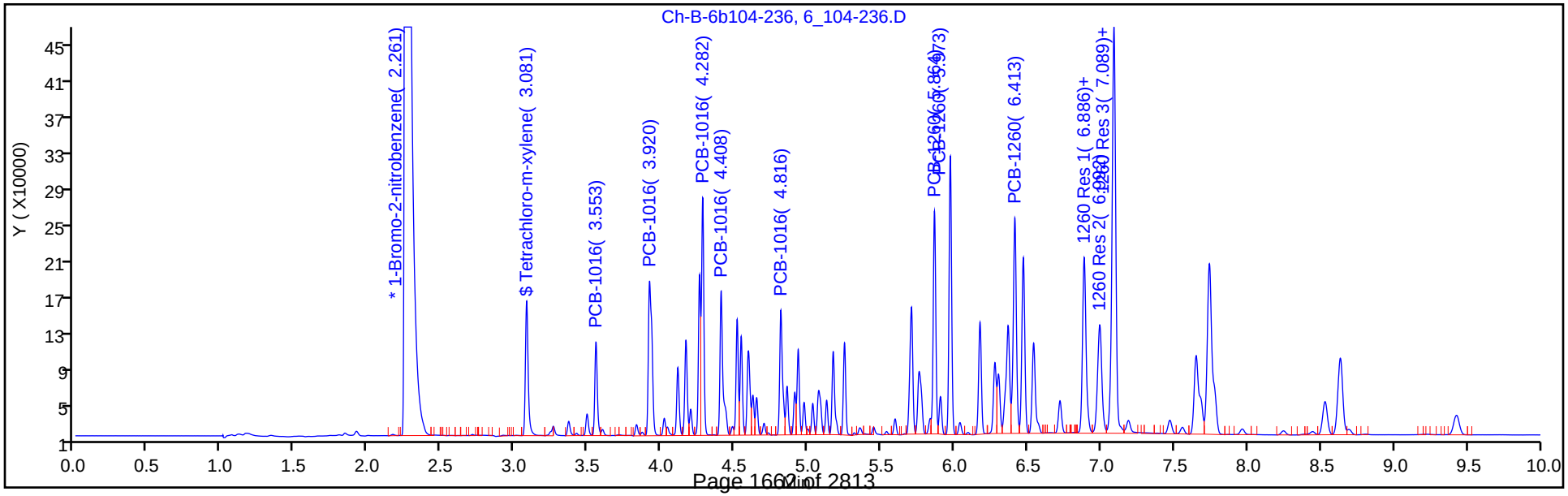
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/6 Calibration Date: 03/07/2022 14:57

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-237.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0126		0.496	0.502	-1.3	20.0
PCB-1221 Peak 2	Lin2		0.0080		0.519	0.502	3.3	20.0
PCB-1221 Peak 3	Lin2		0.0281		0.487	0.502	-3.1	20.0
PCB-1254 Peak 1	Lin2		0.0373		0.476	0.503	-5.4	20.0
PCB-1254 Peak 2	Lin2		0.0525		0.480	0.503	-4.5	20.0
PCB-1254 Peak 3	Lin2		0.0592		0.467	0.503	-7.2	20.0
PCB-1254 Peak 4	Lin2		0.0619		0.474	0.503	-5.7	20.0
PCB-1254 Peak 5	Lin2		0.0525		0.456	0.503	-9.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/6 Calibration Date: 03/07/2022 14:57

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-237.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	3.16	3.14	3.17
PCB-1221 Peak 2	3.24	3.22	3.25
PCB-1221 Peak 3	3.29	3.28	3.31
PCB-1254 Peak 1	4.85	4.83	4.86
PCB-1254 Peak 2	5.02	5.01	5.04
PCB-1254 Peak 3	5.34	5.33	5.36
PCB-1254 Peak 4	5.55	5.53	5.56
PCB-1254 Peak 5	6.01	6.00	6.03

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-237.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 14:57:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:13:42 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:13:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.976	1.976	0.000	6030566	0.5000	0.5000	
2	2.262	2.262	0.000	6469132	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.156	3.156	0.000	76211	0.5020	0.4957	
1	3.238	3.238	0.000	48684	0.5020	0.5187	
1	3.290	3.290	0.000	170262	0.5020	0.4866	
		Average of Peak Amounts =				0.5003	
2	3.369	3.369	0.000	78194	0.5020	0.4651	
2	3.493	3.493	0.000	56680	0.5020	0.5191	
2	3.555	3.555	0.000	172795	0.5020	0.5005	
		Average of Peak Amounts =				0.4949	
						RPD = 1.09	
8 PCB-1254							
1	4.847	4.847	0.000	226456	0.5030	0.4759	
1	5.021	5.021	0.000	318480	0.5030	0.4802	
1	5.344	5.344	0.000	359321	0.5030	0.4668	
1	5.549	5.549	0.000	375487	0.5030	0.4741	
1	6.013	6.013	0.000	318783	0.5030	0.4563	
		Average of Peak Amounts =				0.4707	
2	5.174	5.174	0.000	262186	0.5030	0.4623	
2	5.251	5.251	0.000	306845	0.5030	0.4620	
2	5.697	5.697	0.000	430487	0.5030	0.4732	
2	5.837	5.837	0.000	286882	0.5030	0.4684	
2	6.414	6.414	0.000	318039	0.5030	0.4742	
		Average of Peak Amounts =				0.4680	
						RPD = 0.56	

QC Flag Legend

Processing Flags

Reagents:

21-54w/IS@0.5_00102 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:13:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-237.D

Injection Date: 07-Mar-2022 14:57:15 Instrument ID: HP6890-6 Operator ID: BufTCHROM

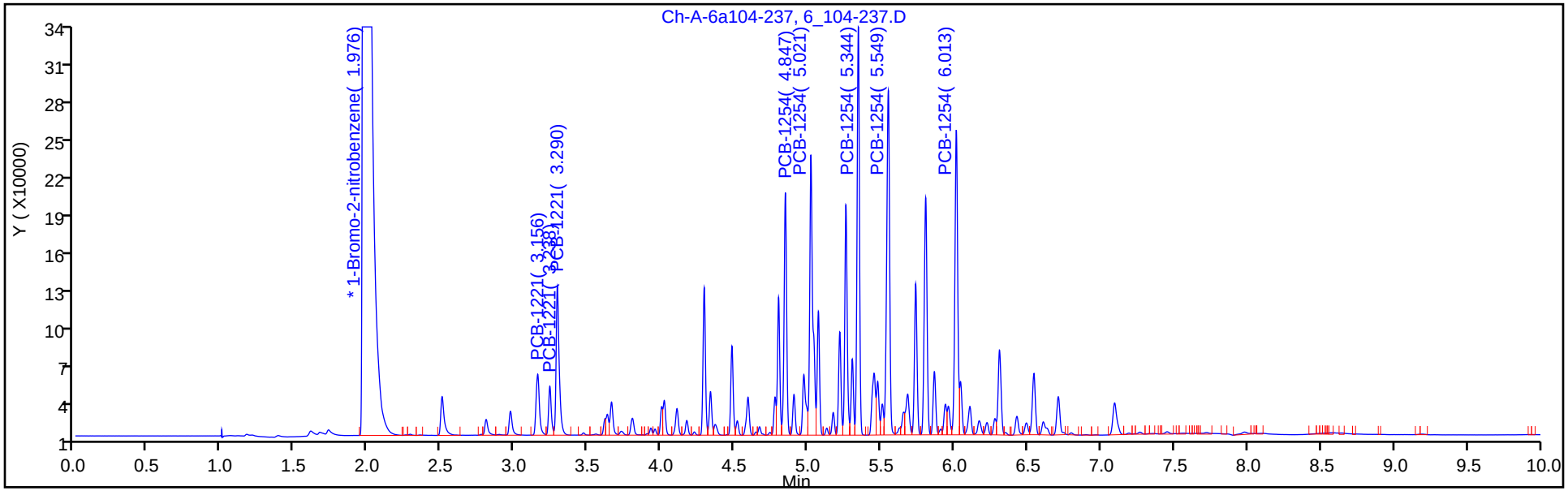
Lims ID: CCV Worklist Smp#: 6

Client ID:

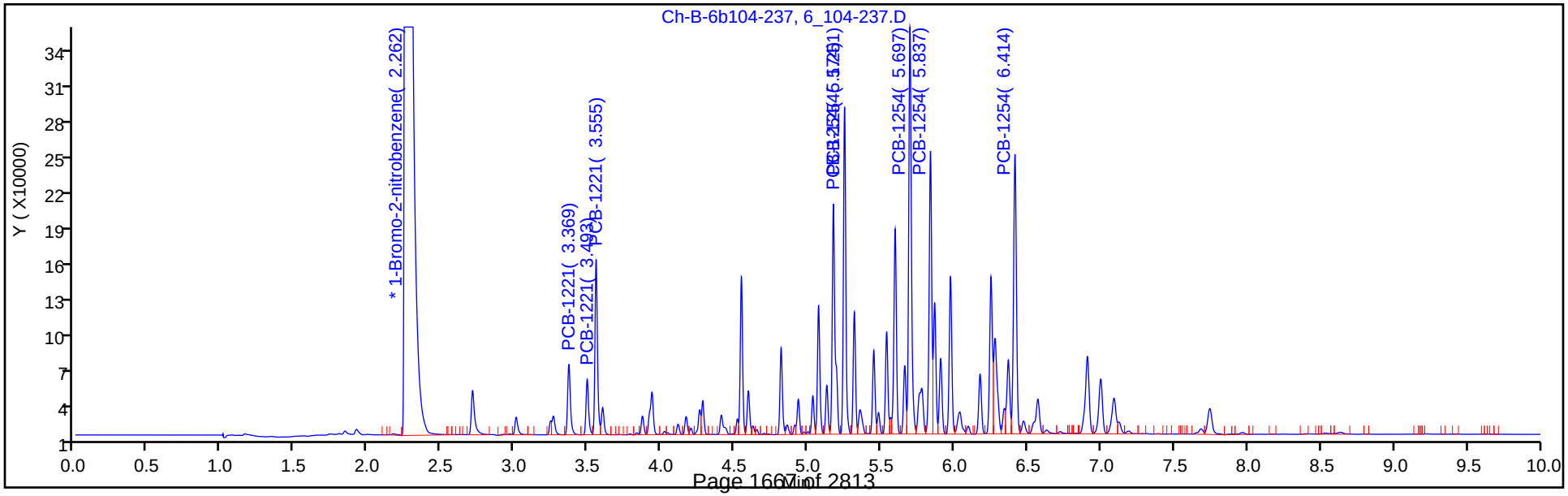
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/6 Calibration Date: 03/07/2022 14:57

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-237.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		0.0120		0.465	0.502	-7.4	20.0
PCB-1221 Peak 2	Lin2		0.0087		0.519	0.502	3.4	20.0
PCB-1221 Peak 3	Lin2		0.0266		0.500	0.502	-0.3	20.0
PCB-1254 Peak 1	Lin2		0.0403		0.462	0.503	-8.1	20.0
PCB-1254 Peak 2	Lin2		0.0471		0.462	0.503	-8.2	20.0
PCB-1254 Peak 3	Lin2		0.0661		0.473	0.503	-5.9	20.0
PCB-1254 Peak 4	Lin2		0.0441		0.468	0.503	-6.9	20.0
PCB-1254 Peak 5	Lin2		0.0489		0.474	0.503	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/6 Calibration Date: 03/07/2022 14:57

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 19:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 19:42

Lab File ID: 6_104-237.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	3.37	3.35	3.38
PCB-1221 Peak 2	3.49	3.48	3.51
PCB-1221 Peak 3	3.56	3.54	3.57
PCB-1254 Peak 1	5.17	5.16	5.19
PCB-1254 Peak 2	5.25	5.24	5.27
PCB-1254 Peak 3	5.70	5.68	5.71
PCB-1254 Peak 4	5.84	5.82	5.85
PCB-1254 Peak 5	6.41	6.40	6.43

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-237.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 14:57:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:13:42 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:13:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.976	1.976	0.000	6030566	0.5000	0.5000	
2	2.262	2.262	0.000	6469132	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	3.156	3.156	0.000	76211	0.5020	0.4957	
1	3.238	3.238	0.000	48684	0.5020	0.5187	
1	3.290	3.290	0.000	170262	0.5020	0.4866	
		Average of Peak Amounts =				0.5003	
2	3.369	3.369	0.000	78194	0.5020	0.4651	
2	3.493	3.493	0.000	56680	0.5020	0.5191	
2	3.555	3.555	0.000	172795	0.5020	0.5005	
		Average of Peak Amounts =				0.4949	
						RPD = 1.09	
8 PCB-1254							
1	4.847	4.847	0.000	226456	0.5030	0.4759	
1	5.021	5.021	0.000	318480	0.5030	0.4802	
1	5.344	5.344	0.000	359321	0.5030	0.4668	
1	5.549	5.549	0.000	375487	0.5030	0.4741	
1	6.013	6.013	0.000	318783	0.5030	0.4563	
		Average of Peak Amounts =				0.4707	
2	5.174	5.174	0.000	262186	0.5030	0.4623	
2	5.251	5.251	0.000	306845	0.5030	0.4620	
2	5.697	5.697	0.000	430487	0.5030	0.4732	
2	5.837	5.837	0.000	286882	0.5030	0.4684	
2	6.414	6.414	0.000	318039	0.5030	0.4742	
		Average of Peak Amounts =				0.4680	
						RPD = 0.56	

QC Flag Legend

Processing Flags

Reagents:

21-54w/IS@0.5_00102 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:13:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-237.D

Injection Date: 07-Mar-2022 14:57:15 Instrument ID: HP6890-6 Operator ID: BufTCHROM

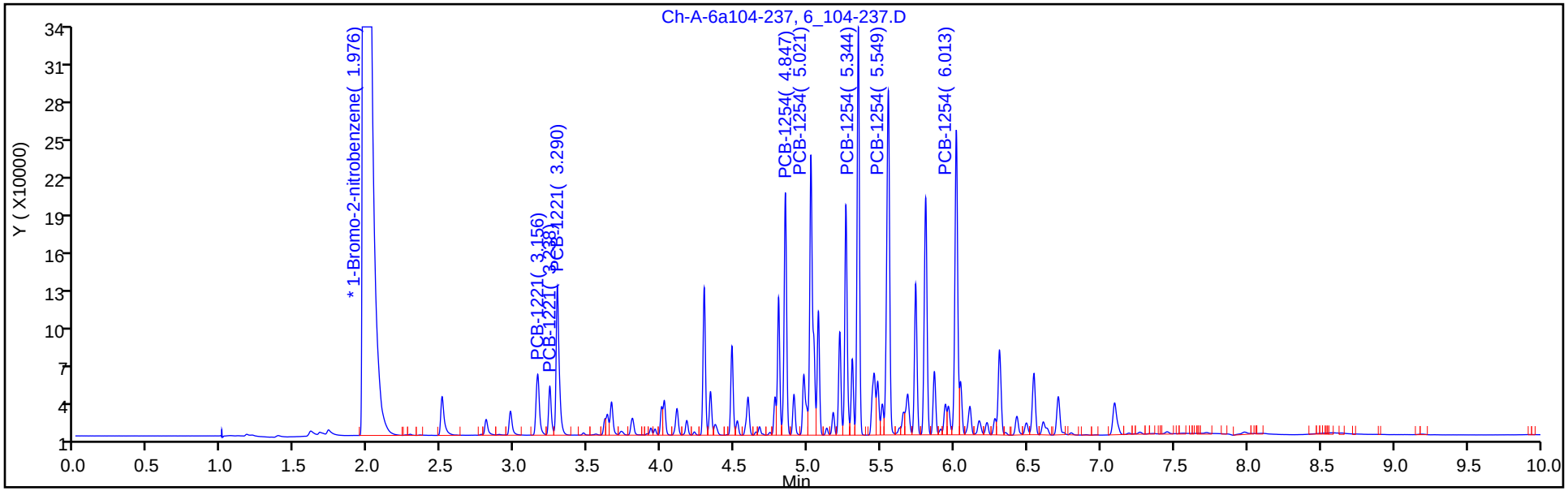
Lims ID: CCV Worklist Smp#: 6

Client ID:

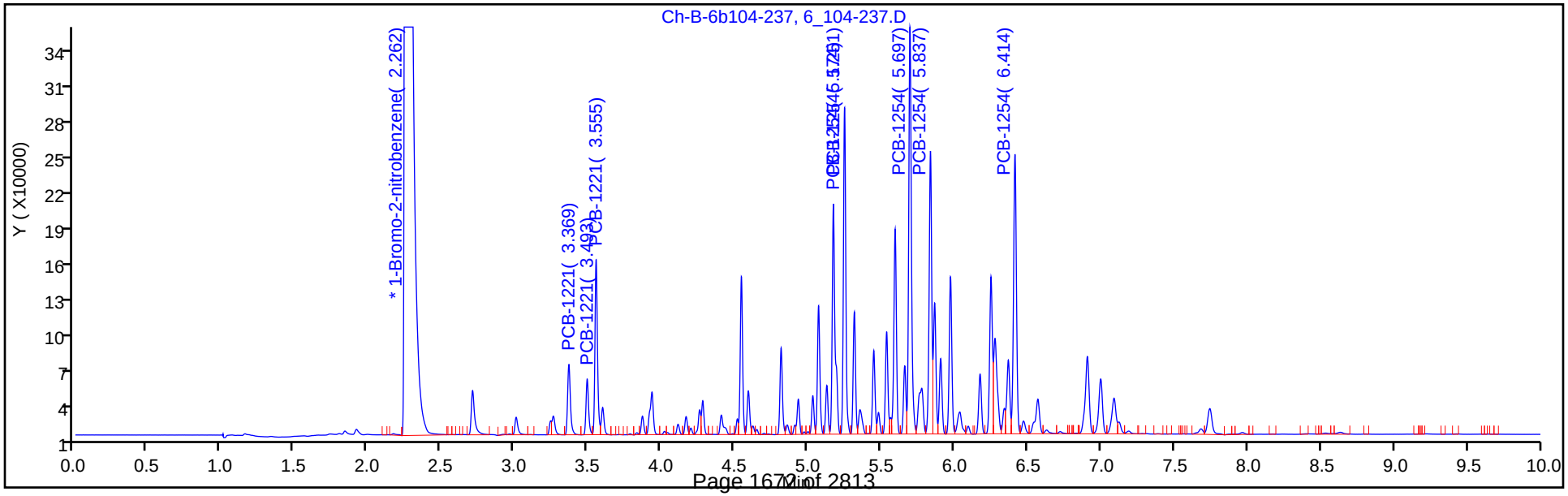
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/7 Calibration Date: 03/07/2022 15:10

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-238.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0237		0.502	0.505	-0.5	20.0
PCB-1232 Peak 2	Lin2		0.0128		0.508	0.505	0.5	20.0
PCB-1232 Peak 3	Lin2		0.0249		0.469	0.505	-7.2	20.0
PCB-1232 Peak 4	Lin2		0.0165		0.498	0.505	-1.3	20.0
PCB-1232 Peak 5	Lin2		0.0089		0.498	0.505	-1.3	20.0
PCB-1262 Peak 1	Lin2		0.0363		0.464	0.503	-7.7	20.0
PCB-1262 Peak 2	Lin2		0.0401		0.464	0.503	-7.7	20.0
PCB-1262 Peak 3	Lin2		0.0597		0.464	0.503	-7.7	20.0
PCB-1262 Peak 4	Lin2		0.1198		0.459	0.503	-8.7	20.0
PCB-1262 Peak 5	Lin2		0.0486		0.430	0.503	-14.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/7 Calibration Date: 03/07/2022 15:10

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-238.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.29	3.28	3.31
PCB-1232 Peak 2	3.63	3.62	3.65
PCB-1232 Peak 3	4.02	4.01	4.04
PCB-1232 Peak 4	4.11	4.09	4.12
PCB-1232 Peak 5	4.29	4.28	4.31
PCB-1262 Peak 1	5.54	5.53	5.56
PCB-1262 Peak 2	5.74	5.72	5.75
PCB-1262 Peak 3	6.17	6.16	6.19
PCB-1262 Peak 4	6.71	6.70	6.73
PCB-1262 Peak 5	7.27	7.25	7.28

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-238.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:10:50 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:14:24 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:14:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	6297008	0.5000	0.5000	
2	2.261	2.261	0.000	6796797	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.292	3.292	0.000	150829	0.5050	0.5023	
1	3.634	3.634	0.000	81566	0.5050	0.5077	
1	4.021	4.021	0.000	158632	0.5050	0.4689	
1	4.107	4.107	0.000	105048	0.5050	0.4984	
1	4.293	4.293	0.000	56442	0.5050	0.4983	
		Average of Peak Amounts =				0.4951	
2	3.555	3.555	0.000	151132	0.5050	0.4933	
2	3.923	3.923	0.000	160194	0.5050	0.5066	
2	4.283	4.283	0.000	166699	0.5050	0.4744	
2	4.410	4.410	0.000	114406	0.5050	0.4950	
2	4.818	4.818	0.000	94034	0.5050	0.4636	
		Average of Peak Amounts =				0.4866	
						RPD = 1.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.542	5.542	0.000	230038	0.5030	0.4641	
1	5.737	5.737	0.000	254340	0.5030	0.4642	
1	6.170	6.170	0.000	378190	0.5030	0.4642	
1	6.711	6.711	0.000	759047	0.5030	0.4593	
1	7.267	7.267	0.000	307556	0.5030	0.4295	
		Average of Peak Amounts =				0.4563	
2	5.866	5.866	0.000	234261	0.5030	0.4459	
2	5.974	5.974	0.000	268066	0.5030	0.4216	
2	6.473	6.473	0.000	383966	0.5030	0.4312	
2	7.092	7.092	0.000	862041	0.5030	0.4586	
2	7.653	7.653	0.000	369295	0.5030	0.4636	
		Average of Peak Amounts =				0.4442	
						RPD = 2.69	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@0.5_00103 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:14:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-238.D

Injection Date: 07-Mar-2022 15:10:50 Instrument ID: HP6890-6 Operator ID: BufTCHROM

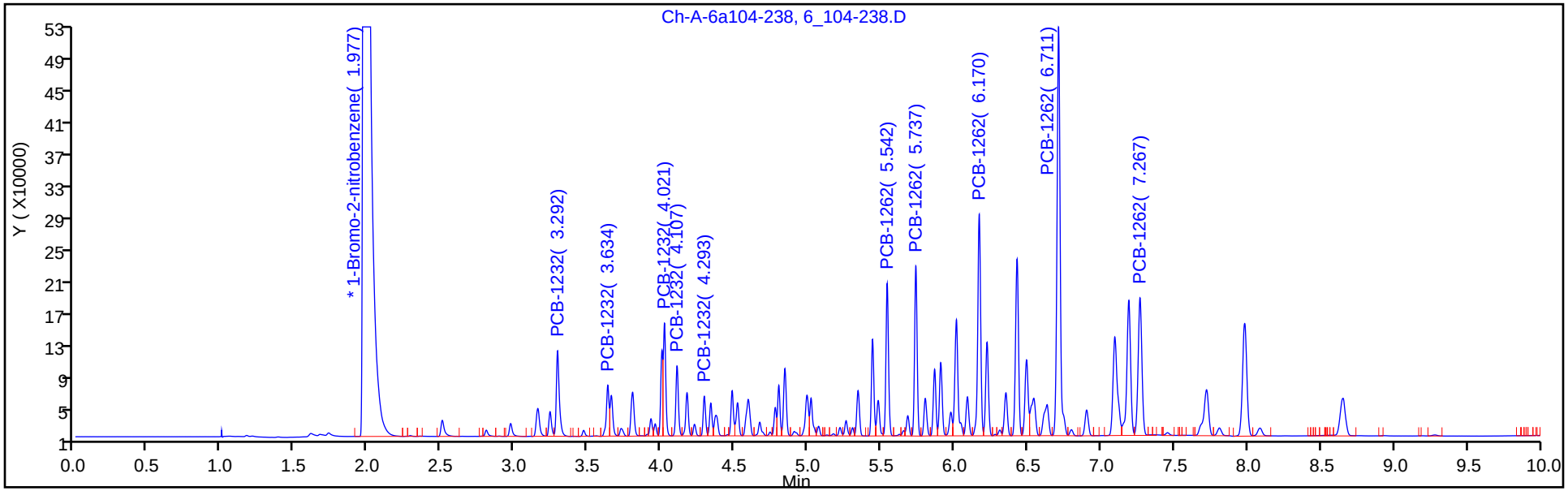
Lims ID: CCV Worklist Smp#: 7

Client ID:

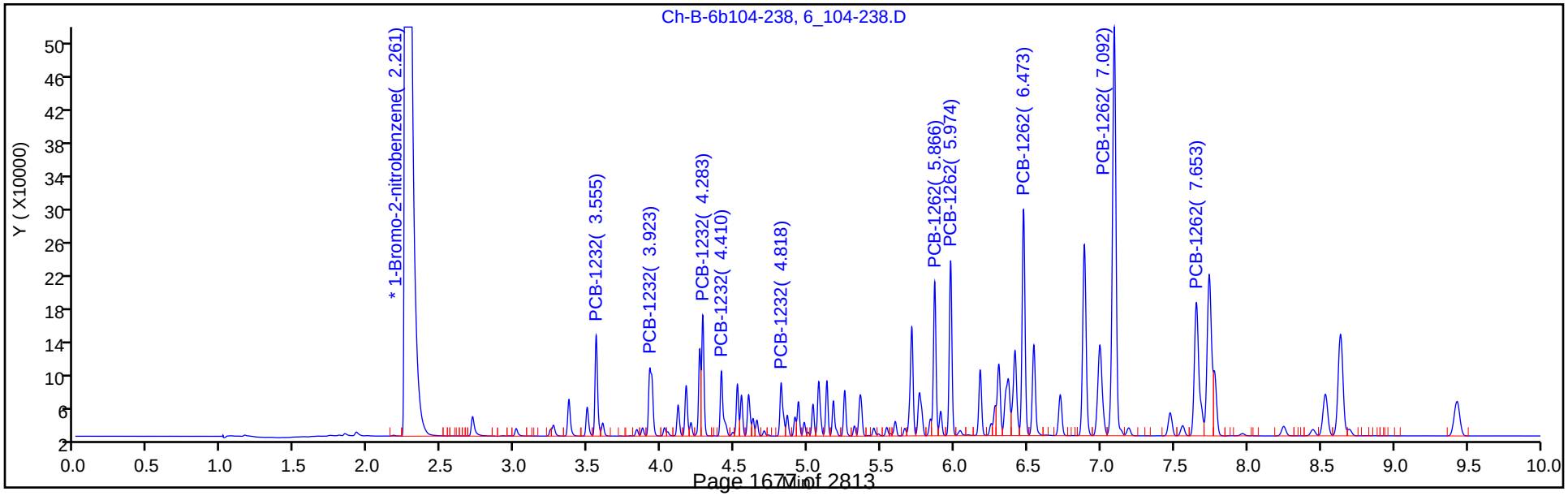
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/7 Calibration Date: 03/07/2022 15:10

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-238.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0220		0.493	0.505	-2.3	20.0
PCB-1232 Peak 2	Lin2		0.0233		0.507	0.505	0.3	20.0
PCB-1232 Peak 3	Lin2		0.0243		0.474	0.505	-6.1	20.0
PCB-1232 Peak 4	Lin2		0.0167		0.495	0.505	-2.0	20.0
PCB-1232 Peak 5	Lin2		0.0137		0.464	0.505	-8.2	20.0
PCB-1262 Peak 1	Lin2		0.0343		0.446	0.503	-11.4	20.0
PCB-1262 Peak 2	Lin2		0.0392		0.422	0.503	-16.2	20.0
PCB-1262 Peak 3	Lin2		0.0562		0.431	0.503	-14.3	20.0
PCB-1262 Peak 4	Lin2		0.1261		0.459	0.503	-8.8	20.0
PCB-1262 Peak 5	Lin2		0.0540		0.464	0.503	-7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/7 Calibration Date: 03/07/2022 15:10

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 20:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 20:35

Lab File ID: 6_104-238.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.56	3.54	3.57
PCB-1232 Peak 2	3.92	3.91	3.94
PCB-1232 Peak 3	4.28	4.27	4.30
PCB-1232 Peak 4	4.41	4.40	4.43
PCB-1232 Peak 5	4.82	4.80	4.83
PCB-1262 Peak 1	5.87	5.85	5.88
PCB-1262 Peak 2	5.97	5.96	5.99
PCB-1262 Peak 3	6.47	6.46	6.49
PCB-1262 Peak 4	7.09	7.08	7.11
PCB-1262 Peak 5	7.65	7.64	7.67

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-238.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:10:50 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:14:24 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:14:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.977	0.000	6297008	0.5000	0.5000	
2	2.261	2.261	0.000	6796797	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	3.292	3.292	0.000	150829	0.5050	0.5023	
1	3.634	3.634	0.000	81566	0.5050	0.5077	
1	4.021	4.021	0.000	158632	0.5050	0.4689	
1	4.107	4.107	0.000	105048	0.5050	0.4984	
1	4.293	4.293	0.000	56442	0.5050	0.4983	
		Average of Peak Amounts =				0.4951	
2	3.555	3.555	0.000	151132	0.5050	0.4933	
2	3.923	3.923	0.000	160194	0.5050	0.5066	
2	4.283	4.283	0.000	166699	0.5050	0.4744	
2	4.410	4.410	0.000	114406	0.5050	0.4950	
2	4.818	4.818	0.000	94034	0.5050	0.4636	
		Average of Peak Amounts =				0.4866	
						RPD = 1.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.542	5.542	0.000	230038	0.5030	0.4641	
1	5.737	5.737	0.000	254340	0.5030	0.4642	
1	6.170	6.170	0.000	378190	0.5030	0.4642	
1	6.711	6.711	0.000	759047	0.5030	0.4593	
1	7.267	7.267	0.000	307556	0.5030	0.4295	
		Average of Peak Amounts =				0.4563	
2	5.866	5.866	0.000	234261	0.5030	0.4459	
2	5.974	5.974	0.000	268066	0.5030	0.4216	
2	6.473	6.473	0.000	383966	0.5030	0.4312	
2	7.092	7.092	0.000	862041	0.5030	0.4586	
2	7.653	7.653	0.000	369295	0.5030	0.4636	
		Average of Peak Amounts =				0.4442	
						RPD = 2.69	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@0.5_00103 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:14:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-238.D

Injection Date: 07-Mar-2022 15:10:50 Instrument ID: HP6890-6 Operator ID: BufTCHROM

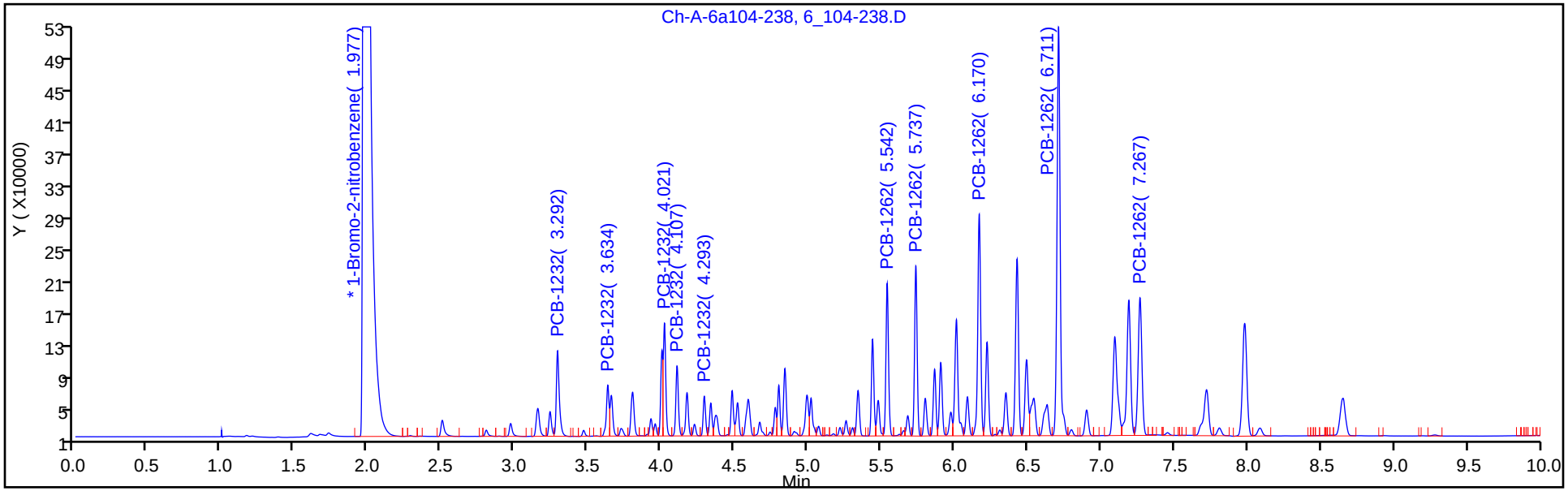
Lims ID: CCV Worklist Smp#: 7

Client ID:

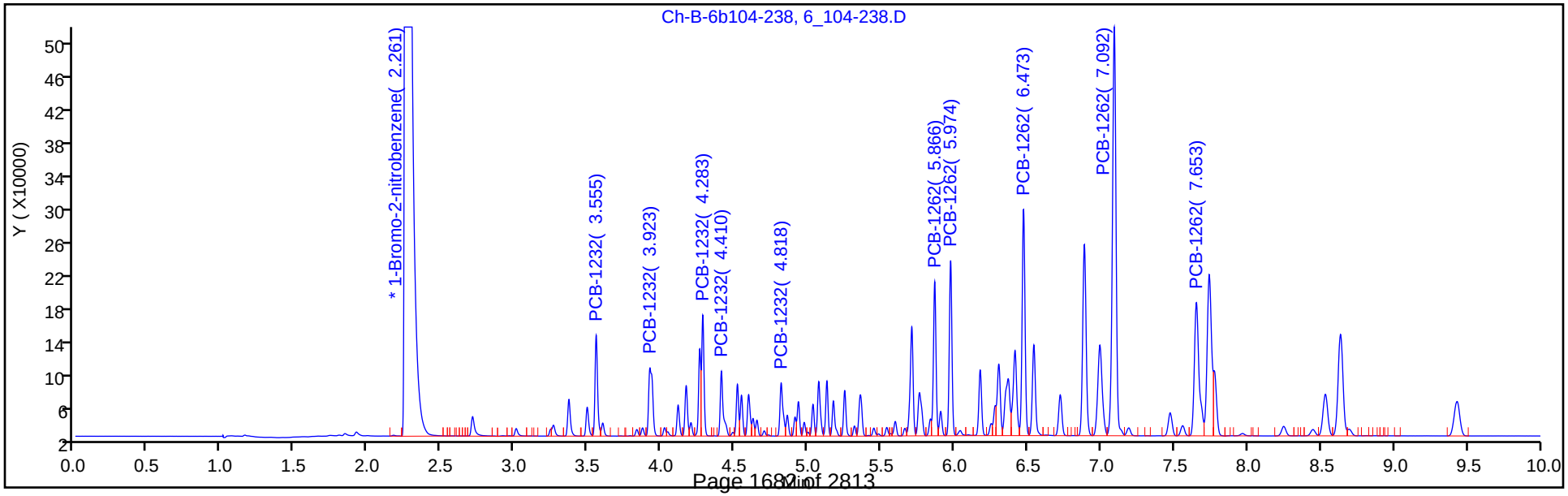
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/8 Calibration Date: 03/07/2022 15:24

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-239.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		0.0174		0.520	0.500	3.9	20.0
PCB-1242 Peak 2	Lin2		0.0212		0.518	0.500	3.7	20.0
PCB-1242 Peak 3	Lin2		0.0455		0.471	0.500	-5.8	20.0
PCB-1242 Peak 4	Lin2		0.0280		0.481	0.500	-3.8	20.0
PCB-1242 Peak 5	Lin2		0.0160		0.468	0.500	-6.4	20.0
PCB-1268 Peak 1	Lin2		0.1384		0.432	0.500	-13.6	20.0
PCB-1268 Peak 2	Lin2		0.1264		0.422	0.500	-15.5	20.0
PCB-1268 Peak 3	Lin2		0.1102		0.416	0.500	-16.9	20.0
PCB-1268 Peak 4	Lin2		0.0504		0.445	0.500	-11.0	20.0
PCB-1268 Peak 5	Lin2		0.3870		0.439	0.500	-12.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/8 Calibration Date: 03/07/2022 15:24

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-239.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.29	3.28	3.31
PCB-1242 Peak 2	3.63	3.62	3.65
PCB-1242 Peak 3	4.02	4.01	4.04
PCB-1242 Peak 4	4.11	4.09	4.12
PCB-1242 Peak 5	4.29	4.28	4.31
PCB-1268 Peak 1	7.19	7.18	7.21
PCB-1268 Peak 2	7.27	7.25	7.28
PCB-1268 Peak 3	7.69	7.67	7.70
PCB-1268 Peak 4	7.98	7.97	8.00
PCB-1268 Peak 5	8.65	8.64	8.67

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-239.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:24:07 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:14:51 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:14:51

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.976	1.976	0.000	6094839	0.5000	0.5000	
2	2.262	2.262	0.000	6595139	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.291	3.291	0.000	105899	0.5000	0.5197	
1	3.633	3.633	0.000	129196	0.5000	0.5184	
1	4.020	4.020	0.000	277411	0.5000	0.4708	
1	4.107	4.107	0.000	170386	0.5000	0.4812	
1	4.293	4.293	0.000	97679	0.5000	0.4678	
		Average of Peak Amounts =				0.4916	
2	3.555	3.555	0.000	108557	0.5000	0.4957	
2	3.921	3.921	0.000	247499	0.5000	0.5015	
2	4.283	4.283	0.000	289263	0.5000	0.4751	
2	4.409	4.409	0.000	191876	0.5000	0.4889	
2	4.818	4.818	0.000	172506	0.5000	0.4601	
		Average of Peak Amounts =				0.4843	
						RPD = 1.50	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.191	7.191	0.000	843671	0.5000	0.4322	
1	7.266	7.266	0.000	770511	0.5000	0.4224	
1	7.685	7.685	0.000	671426	0.5000	0.4157	
1	7.981	7.981	0.000	307403	0.5000	0.4450	
1	8.652	8.652	0.000	2358865	0.5000	0.4391	
		Average of Peak Amounts =				0.4309	
2	7.652	7.652	0.000	895672	0.5000	0.4503	
2	7.735	7.735	0.000	789466	0.5000	0.4734	
2	8.250	8.250	0.000	728056	0.5000	0.4544	
2	8.638	8.638	0.000	319096	0.5000	0.4544	
2	9.433	9.433	0.000	2491222	0.5000	0.4658	
		Average of Peak Amounts =				0.4597	
						RPD = 6.47	

QC Flag Legend

Processing Flags

Reagents:

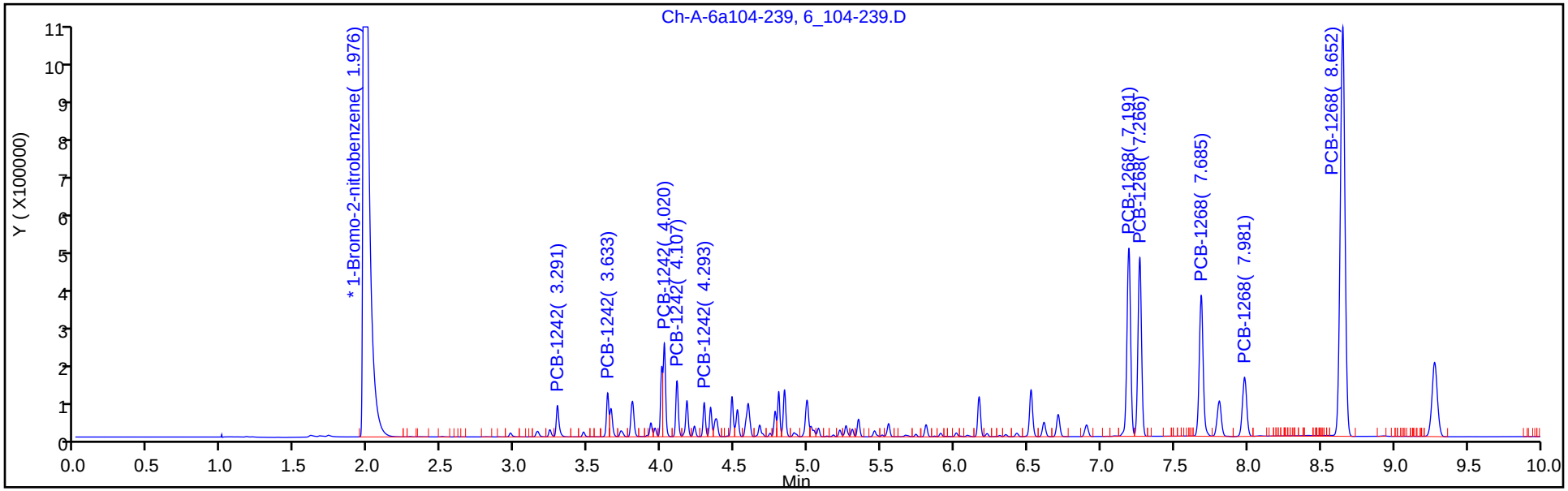
42-68w/IS@0.5_00104 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:14:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

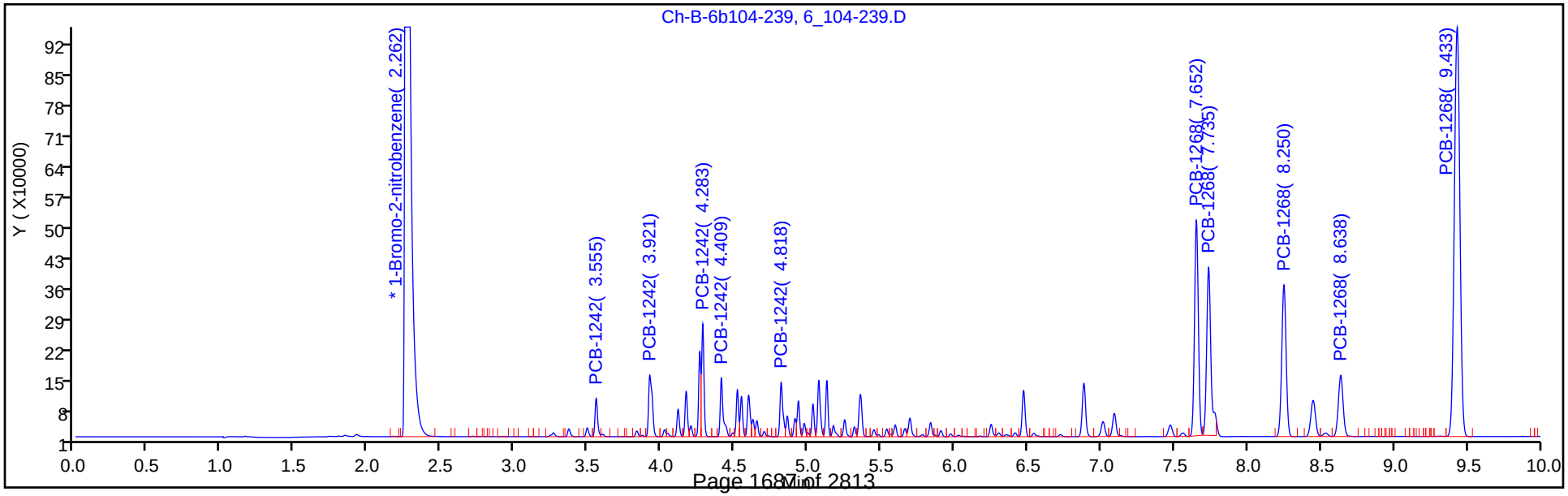
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-239.D				
Injection Date:	07-Mar-2022 15:24:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/8 Calibration Date: 03/07/2022 15:24

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-239.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		0.0165		0.496	0.500	-0.9	20.0
PCB-1242 Peak 2	Lin2		0.0375		0.502	0.500	0.3	20.0
PCB-1242 Peak 3	Lin2		0.0439		0.475	0.500	-5.0	20.0
PCB-1242 Peak 4	Lin2		0.0291		0.489	0.500	-2.2	20.0
PCB-1242 Peak 5	Lin2		0.0262		0.460	0.500	-8.0	20.0
PCB-1268 Peak 1	Lin2		0.1358		0.450	0.500	-9.9	20.0
PCB-1268 Peak 2	Lin2		0.1197		0.473	0.500	-5.3	20.0
PCB-1268 Peak 3	Lin2		0.1104		0.454	0.500	-9.1	20.0
PCB-1268 Peak 4	Lin2		0.0484		0.454	0.500	-9.1	20.0
PCB-1268 Peak 5	Lin2		0.3777		0.466	0.500	-6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/8 Calibration Date: 03/07/2022 15:24

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:02

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 21:28

Lab File ID: 6_104-239.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.56	3.54	3.57
PCB-1242 Peak 2	3.92	3.91	3.94
PCB-1242 Peak 3	4.28	4.27	4.30
PCB-1242 Peak 4	4.41	4.39	4.42
PCB-1242 Peak 5	4.82	4.80	4.83
PCB-1268 Peak 1	7.65	7.64	7.67
PCB-1268 Peak 2	7.74	7.72	7.75
PCB-1268 Peak 3	8.25	8.24	8.27
PCB-1268 Peak 4	8.64	8.62	8.65
PCB-1268 Peak 5	9.43	9.42	9.45

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-239.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:24:07 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:14:51 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:14:51

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.976	1.976	0.000	6094839	0.5000	0.5000	
2	2.262	2.262	0.000	6595139	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.291	3.291	0.000	105899	0.5000	0.5197	
1	3.633	3.633	0.000	129196	0.5000	0.5184	
1	4.020	4.020	0.000	277411	0.5000	0.4708	
1	4.107	4.107	0.000	170386	0.5000	0.4812	
1	4.293	4.293	0.000	97679	0.5000	0.4678	
		Average of Peak Amounts =				0.4916	
2	3.555	3.555	0.000	108557	0.5000	0.4957	
2	3.921	3.921	0.000	247499	0.5000	0.5015	
2	4.283	4.283	0.000	289263	0.5000	0.4751	
2	4.409	4.409	0.000	191876	0.5000	0.4889	
2	4.818	4.818	0.000	172506	0.5000	0.4601	
		Average of Peak Amounts =				0.4843	
						RPD = 1.50	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	7.191	7.191	0.000	843671	0.5000	0.4322	
1	7.266	7.266	0.000	770511	0.5000	0.4224	
1	7.685	7.685	0.000	671426	0.5000	0.4157	
1	7.981	7.981	0.000	307403	0.5000	0.4450	
1	8.652	8.652	0.000	2358865	0.5000	0.4391	
		Average of Peak Amounts =				0.4309	
2	7.652	7.652	0.000	895672	0.5000	0.4503	
2	7.735	7.735	0.000	789466	0.5000	0.4734	
2	8.250	8.250	0.000	728056	0.5000	0.4544	
2	8.638	8.638	0.000	319096	0.5000	0.4544	
2	9.433	9.433	0.000	2491222	0.5000	0.4658	
		Average of Peak Amounts =				0.4597	
						RPD = 6.47	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@0.5_00104 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:14:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-239.D

Injection Date: 07-Mar-2022 15:24:07 Instrument ID: HP6890-6 Operator ID: BufTCHROM

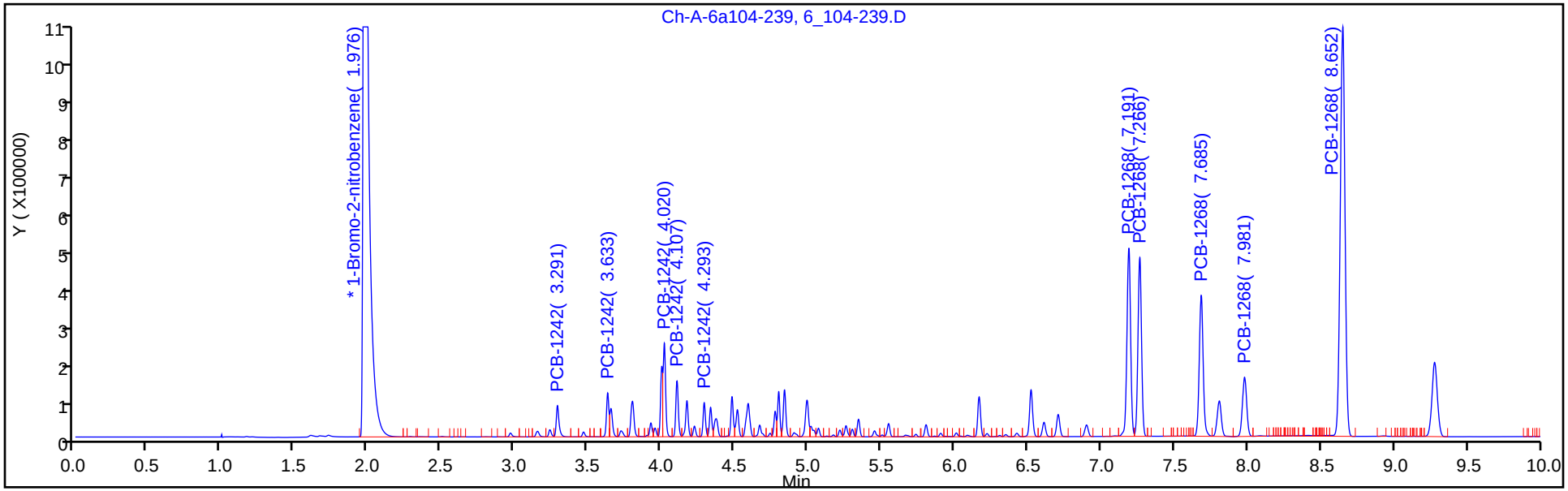
Lims ID: CCV Worklist Smp#: 8

Client ID:

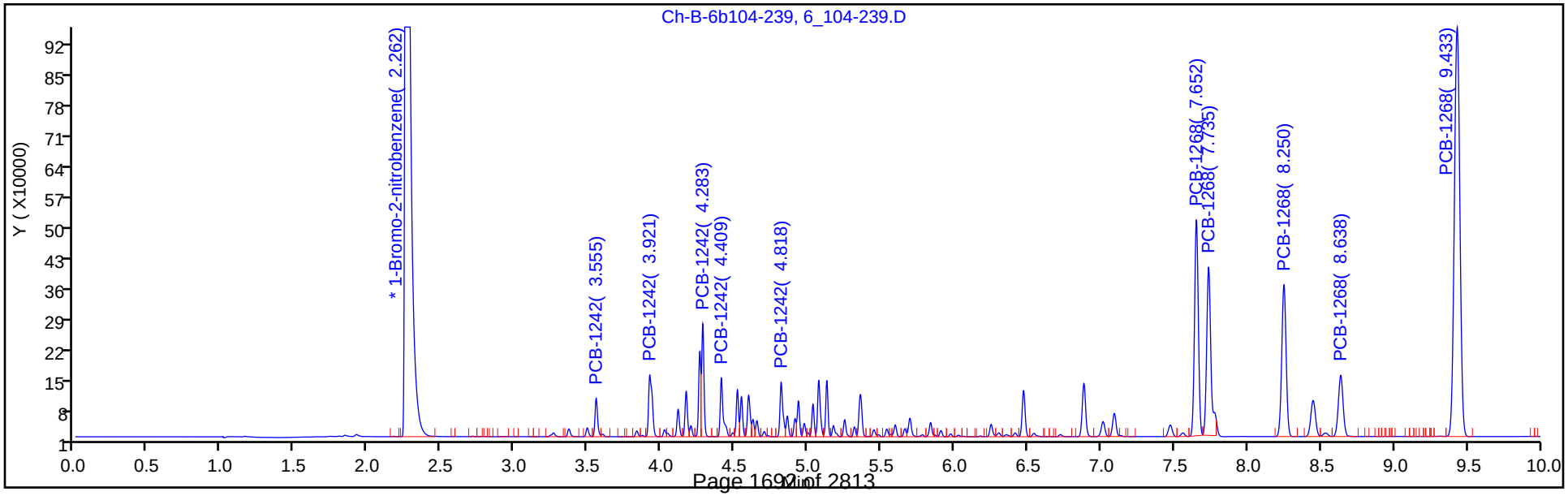
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/9 Calibration Date: 03/07/2022 15:37

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-240.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0322		0.529	0.505	4.9	20.0
PCB-1248 Peak 2	Lin2		0.0362		0.502	0.505	-0.5	20.0
PCB-1248 Peak 3	Lin2		0.0508		0.491	0.505	-2.8	20.0
PCB-1248 Peak 4	Lin2		0.0407		0.473	0.505	-6.3	20.0
PCB-1248 Peak 5	Lin2		0.0211		0.449	0.505	-10.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/9 Calibration Date: 03/07/2022 15:37

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-240.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.29	4.28	4.31
PCB-1248 Peak 2	4.48	4.47	4.50
PCB-1248 Peak 3	4.84	4.83	4.86
PCB-1248 Peak 4	5.00	4.98	5.01
PCB-1248 Peak 5	5.35	5.33	5.36

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-240.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:37:21 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:15:13 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:15:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.982	1.982	0.000	5340741	0.5000	0.5000	
2	2.265	2.265	0.000	5030886	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.294	4.294	0.000	173472	0.5045	0.5291	
1	4.483	4.483	0.000	195291	0.5045	0.5019	
1	4.843	4.843	0.000	273650	0.5045	0.4906	
1	4.995	4.995	0.000	219279	0.5045	0.4727	
1	5.346	5.346	0.000	113858	0.5045	0.4493	
		Average of Peak Amounts =				0.4887	
2	4.548	4.548	0.000	170698	0.5045	0.5630	
2	4.819	4.819	0.000	235524	0.5045	0.5932	
2	5.075	5.075	0.000	237452	0.5045	0.4832	
2	5.358	5.358	0.000	216724	0.5045	0.5720	
2	5.698	5.698	0.000	146616	0.5045	0.5974	
		Average of Peak Amounts =				0.5618	
						RPD = 13.91	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 0.5_00101 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:15:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-240.D

Injection Date: 07-Mar-2022 15:37:21 Instrument ID: HP6890-6 Operator ID: BufTCHROM

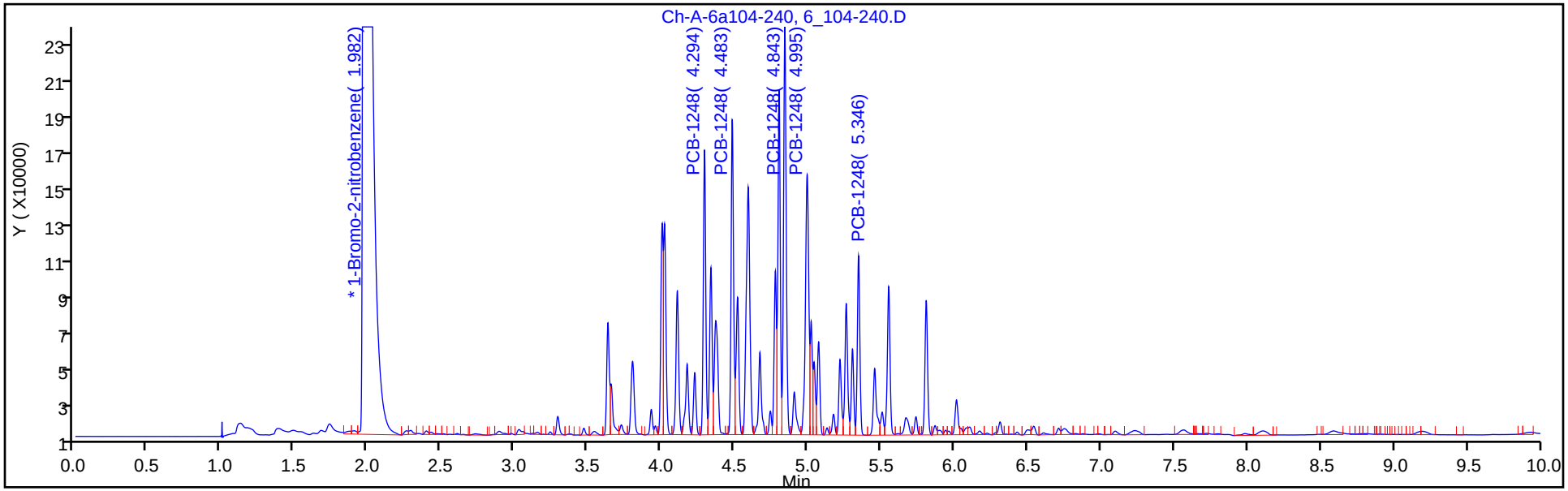
Lims ID: CCV Worklist Smp#: 9

Client ID:

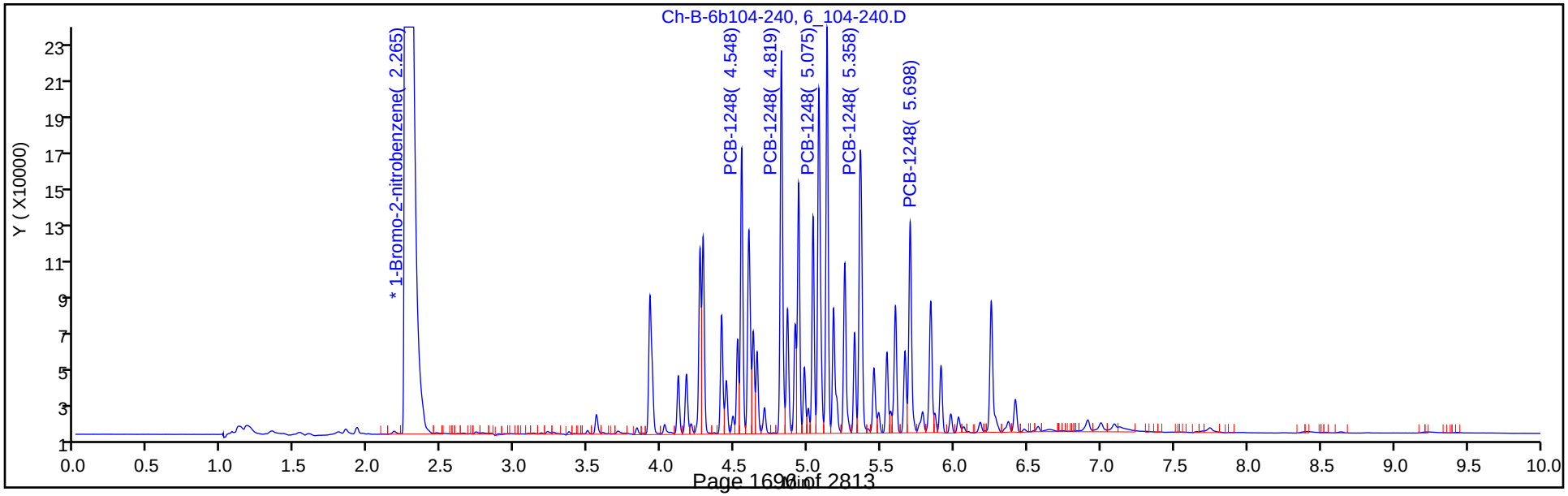
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/9 Calibration Date: 03/07/2022 15:37

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-240.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0336		0.563	0.505	11.6	20.0
PCB-1248 Peak 2	Lin2		0.0464		0.593	0.505	17.6	20.0
PCB-1248 Peak 3	Lin2		0.0468		0.483	0.505	-4.2	20.0
PCB-1248 Peak 4	Lin2		0.0427		0.572	0.505	13.4	20.0
PCB-1248 Peak 5	Lin2		0.0289		0.597	0.505	18.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/9 Calibration Date: 03/07/2022 15:37

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 21:55

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 22:21

Lab File ID: 6_104-240.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.55	4.53	4.56
PCB-1248 Peak 2	4.82	4.80	4.83
PCB-1248 Peak 3	5.08	5.06	5.09
PCB-1248 Peak 4	5.36	5.34	5.37
PCB-1248 Peak 5	5.70	5.68	5.71

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-240.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 15:37:21 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:15:13 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:15:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.982	1.982	0.000	5340741	0.5000	0.5000	
2	2.265	2.265	0.000	5030886	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	4.294	4.294	0.000	173472	0.5045	0.5291	
1	4.483	4.483	0.000	195291	0.5045	0.5019	
1	4.843	4.843	0.000	273650	0.5045	0.4906	
1	4.995	4.995	0.000	219279	0.5045	0.4727	
1	5.346	5.346	0.000	113858	0.5045	0.4493	
		Average of Peak Amounts =				0.4887	
2	4.548	4.548	0.000	170698	0.5045	0.5630	
2	4.819	4.819	0.000	235524	0.5045	0.5932	
2	5.075	5.075	0.000	237452	0.5045	0.4832	
2	5.358	5.358	0.000	216724	0.5045	0.5720	
2	5.698	5.698	0.000	146616	0.5045	0.5974	
		Average of Peak Amounts =				0.5618	
						RPD = 13.91	

QC Flag Legend

Processing Flags

Reagents:

1248w/IS@ 0.5_00101 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 10:15:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-240.D

Injection Date: 07-Mar-2022 15:37:21 Instrument ID: HP6890-6 Operator ID: BufTCHROM

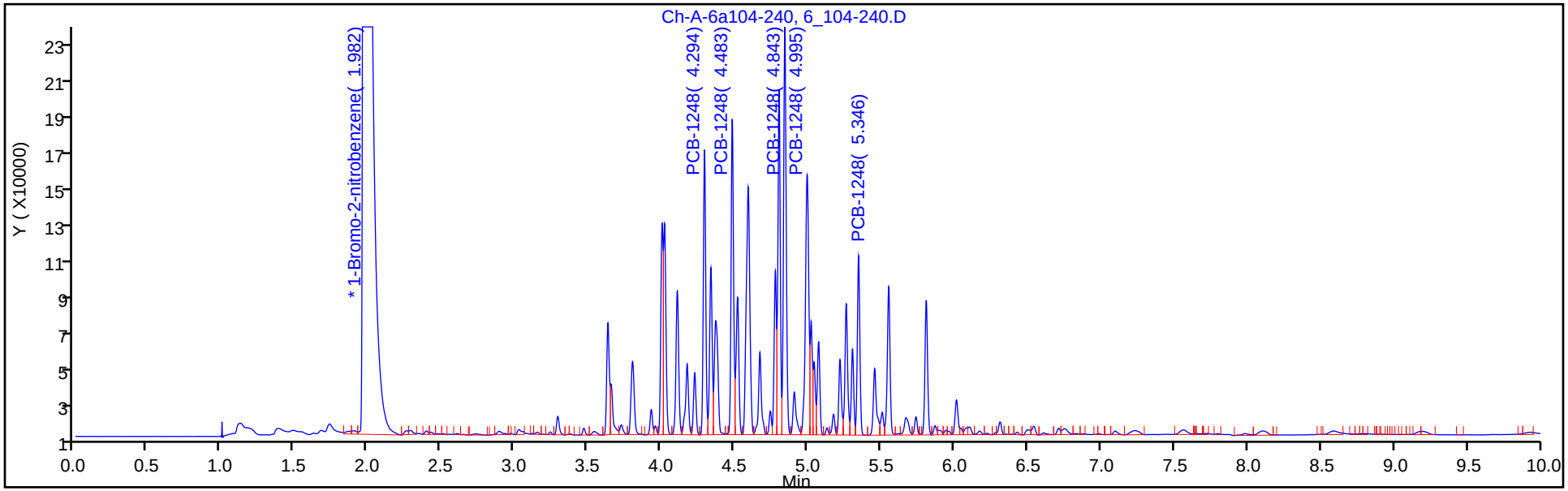
Lims ID: CCV Worklist Smp#: 9

Client ID:

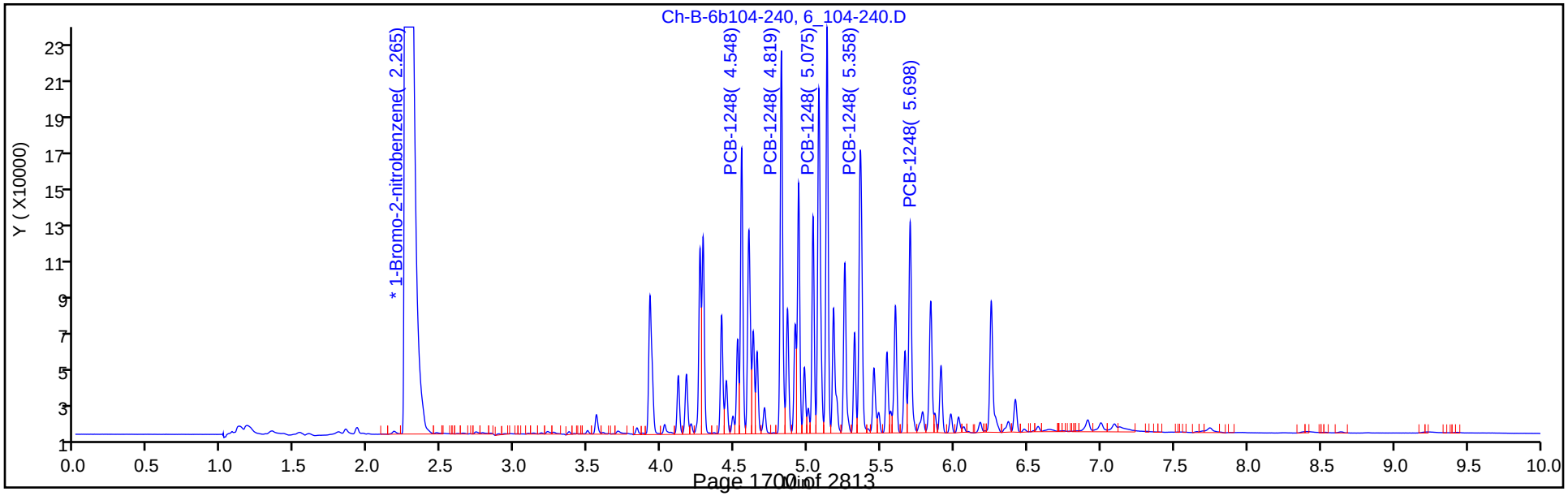
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/12 Calibration Date: 03/07/2022 16:17

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-243.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0258		0.508	0.501	1.3	20.0
PCB-1016 Peak 2	Lin2		0.0556		0.501	0.501	-0.1	20.0
PCB-1016 Peak 3	Lin2		0.0347		0.497	0.501	-0.8	20.0
PCB-1016 Peak 4	Lin2		0.0227		0.533	0.501	6.3	20.0
PCB-1016 Peak 5	Lin1		0.0238		0.484	0.501	-3.4	20.0
PCB-1260 Peak 1	Lin2		0.0438		0.445	0.502	-11.4	20.0
PCB-1260 Peak 2	Lin1		0.0518		0.471	0.502	-6.3	20.0
PCB-1260 Peak 3	Lin1		0.0639		0.488	0.502	-2.9	20.0
PCB-1260 Peak 4	Lin1		0.0413		0.478	0.502	-4.8	20.0
PCB-1260 Peak 5	Lin1		0.1060		0.478	0.502	-4.9	20.0
Tetrachloro-m-xylene	Lin2		1.259		0.0137	0.0125	9.7	20.0
DCB Decachlorobiphenyl	Lin1		1.061		0.0106	0.0125	-15.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/12 Calibration Date: 03/07/2022 16:17

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-243.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.63	3.62	3.65
PCB-1016 Peak 2	4.02	4.01	4.04
PCB-1016 Peak 3	4.11	4.09	4.12
PCB-1016 Peak 4	4.18	4.16	4.19
PCB-1016 Peak 5	4.48	4.47	4.50
PCB-1260 Peak 1	5.54	5.52	5.55
PCB-1260 Peak 2	5.74	5.72	5.75
PCB-1260 Peak 3	6.01	6.00	6.03
PCB-1260 Peak 4	6.43	6.41	6.44
PCB-1260 Peak 5	6.71	6.69	6.72
Tetrachloro-m-xylene	3.02	3.00	3.03
DCB Decachlorobiphenyl	9.28	9.26	9.29

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-243.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 16:17:17 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 11:01:51 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	6218825	0.5000	0.5000	
2	2.263	2.265	-0.002	6704934	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	195775	0.0125	0.0137	
2	3.083	3.081	0.001	229729	0.0125	0.0135	
						RPD = 1.85	
6 PCB-1016							
1	3.634	3.633	0.002	160748	0.5014	0.5081	
1	4.022	4.020	0.002	346928	0.5014	0.5009	
1	4.108	4.106	0.002	216198	0.5014	0.4974	
1	4.176	4.173	0.003	141848	0.5014	0.5327	
1	4.483	4.482	0.001	148664	0.5014	0.4842	
		Average of Peak Amounts =				0.5046	
2	3.557	3.553	0.004	134538	0.5014	0.5070	
2	3.922	3.920	0.002	307699	0.5014	0.4975	
2	4.283	4.282	0.001	366000	0.5014	0.5020	
2	4.411	4.408	0.003	240313	0.5014	0.4939	
2	4.818	4.816	0.002	210023	0.5014	0.4721	
		Average of Peak Amounts =				0.4945	
						RPD = 2.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.542	5.539	0.003	273633	0.5023	0.4449	
1	5.738	5.736	0.002	323683	0.5023	0.4705	
1	6.014	6.013	0.002	398870	0.5023	0.4877	M
1	6.428	6.425	0.003	257788	0.5023	0.4781	
1	6.712	6.709	0.003	662396	0.5023	0.4777	
		Average of Peak Amounts =				0.4718	
2	5.867	5.864	0.003	318642	0.5023	0.5052	
2	5.975	5.973	0.003	387919	0.5023	0.5009	
2	6.416	6.413	0.004	356064	0.5023	0.4849	
2	6.889	6.886	0.003	331219	0.5023	0.4866	
2	7.093	7.089	0.003	787547	0.5023	0.4860	
		Average of Peak Amounts =				0.4927	
						RPD = 4.34	
9 1260 Res 1							
1	7.095	7.093	0.002	331558	NR	NR	
2	6.889	6.886	0.003	331219	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.192	7.190	0.002	161111	NR	NR	
2	6.996	6.992	0.004	239268	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.268	7.267	0.001	185209	NR	NR	
2	7.093	7.089	0.003	787547	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.283	9.276	0.006	164965	0.0125	0.0106	
2	10.230	10.225	0.005	185289	0.0125	0.0119	
						RPD = 11.67	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

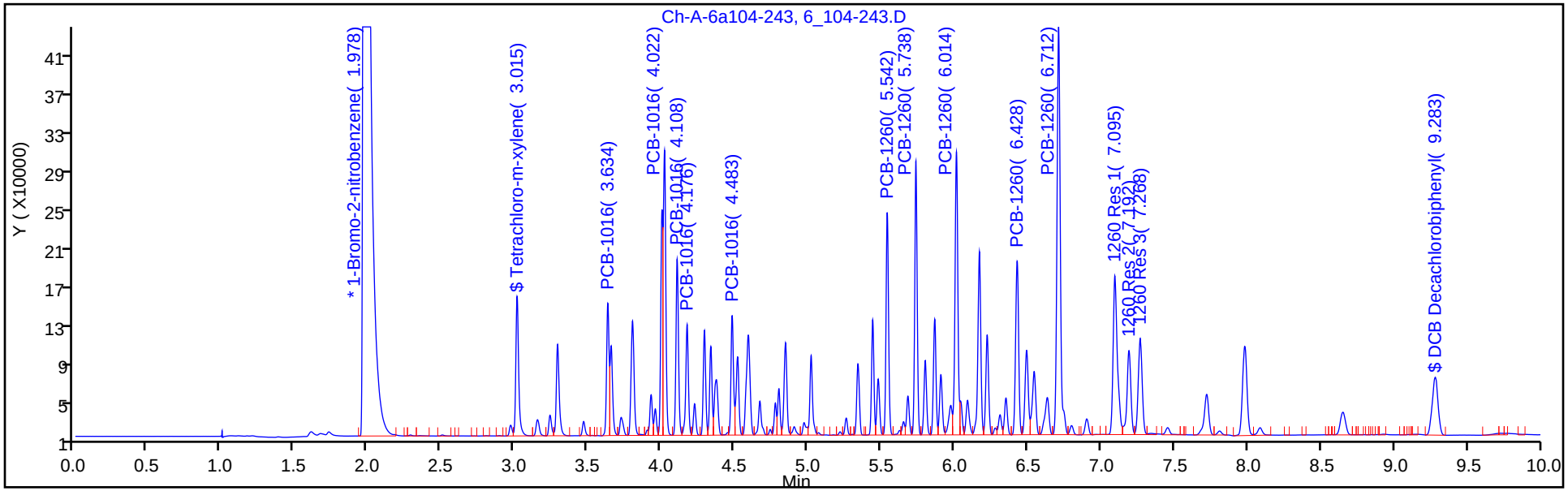
1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 11:01:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

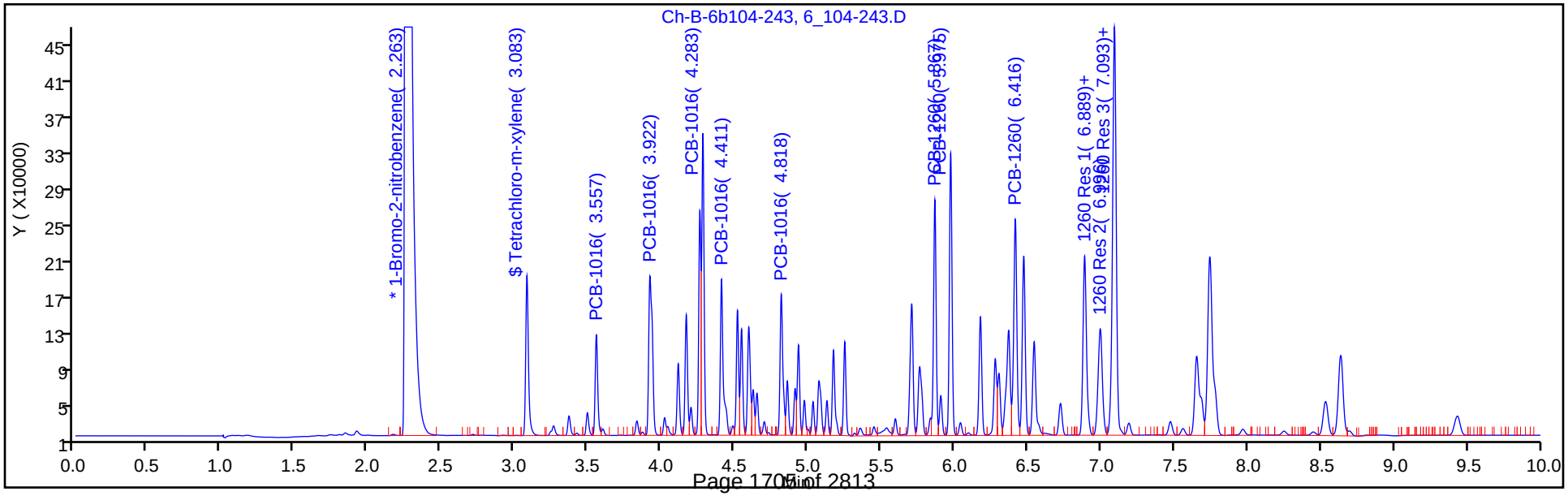
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-243.D				
Injection Date:	07-Mar-2022 16:17:17	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2

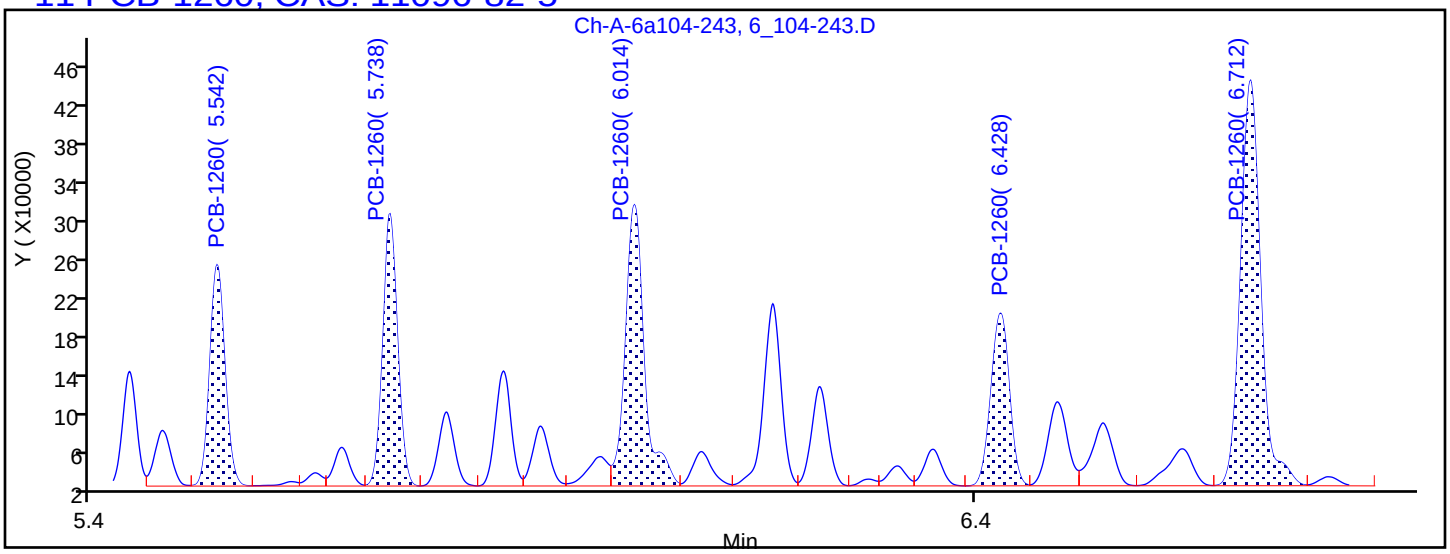


Report Date: 08-Mar-2022 11:01:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

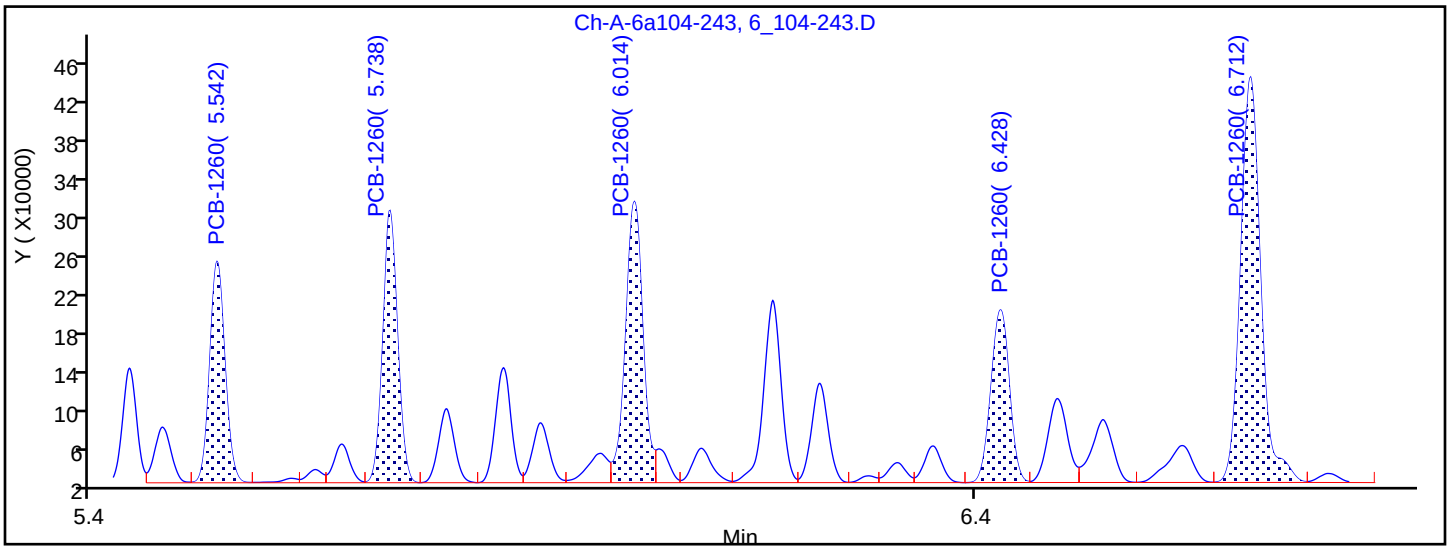
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-243.D
Injection Date: 07-Mar-2022 16:17:17 Instrument ID: HP6890-6
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.542	Response = 273633
5.738	Response = 323683
6.014	Response = 433205
6.428	Response = 257788
6.712	Response = 662396



Manual Integration Results

5.542	Response = 273633	
5.738	Response = 323683	
6.014	Response = 398870	M
6.428	Response = 257788	
6.712	Response = 662396	

Reviewer: chumongkolratn, 08-Mar-2022 10:17:01
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/12 Calibration Date: 03/07/2022 16:17

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-243.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0200		0.507	0.501	1.1	20.0
PCB-1016 Peak 2	Lin2		0.0458		0.497	0.501	-0.8	20.0
PCB-1016 Peak 3	Ave	0.0544	0.0544		0.502	0.501	0.1	20.0
PCB-1016 Peak 4	Lin2		0.0357		0.494	0.501	-1.5	20.0
PCB-1016 Peak 5	Lin2		0.0312		0.472	0.501	-5.8	20.0
PCB-1260 Peak 1	Lin1		0.0473		0.505	0.502	0.6	20.0
PCB-1260 Peak 2	Lin1		0.0576		0.501	0.502	-0.3	20.0
PCB-1260 Peak 3	Lin1		0.0529		0.485	0.502	-3.5	20.0
PCB-1260 Peak 4	Lin2		0.0492		0.487	0.502	-3.1	20.0
PCB-1260 Peak 5	Lin1		0.1169		0.486	0.502	-3.2	20.0
Tetrachloro-m-xylene	Lin2		1.371		0.0135	0.0125	7.7	20.0
DCB Decachlorobiphenyl	Lin1		1.105		0.0119	0.0125	-4.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617012/12 Calibration Date: 03/07/2022 16:17

Instrument ID: HP6890-6 Calib Start Date: 02/23/2022 16:36

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 02/23/2022 17:56

Lab File ID: 6_104-243.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.56	3.54	3.57
PCB-1016 Peak 2	3.92	3.91	3.94
PCB-1016 Peak 3	4.28	4.27	4.30
PCB-1016 Peak 4	4.41	4.39	4.42
PCB-1016 Peak 5	4.82	4.80	4.83
PCB-1260 Peak 1	5.87	5.85	5.88
PCB-1260 Peak 2	5.98	5.96	5.99
PCB-1260 Peak 3	6.42	6.40	6.43
PCB-1260 Peak 4	6.89	6.87	6.90
PCB-1260 Peak 5	7.09	7.07	7.10
Tetrachloro-m-xylene	3.08	3.07	3.10
DCB Decachlorobiphenyl	10.23	10.21	10.24

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-243.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2022 16:17:17 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 11:01:51 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	6218825	0.5000	0.5000	
2	2.263	2.265	-0.002	6704934	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	195775	0.0125	0.0137	
2	3.083	3.081	0.001	229729	0.0125	0.0135	
						RPD = 1.85	
6 PCB-1016							
1	3.634	3.633	0.002	160748	0.5014	0.5081	
1	4.022	4.020	0.002	346928	0.5014	0.5009	
1	4.108	4.106	0.002	216198	0.5014	0.4974	
1	4.176	4.173	0.003	141848	0.5014	0.5327	
1	4.483	4.482	0.001	148664	0.5014	0.4842	
		Average of Peak Amounts =				0.5046	
2	3.557	3.553	0.004	134538	0.5014	0.5070	
2	3.922	3.920	0.002	307699	0.5014	0.4975	
2	4.283	4.282	0.001	366000	0.5014	0.5020	
2	4.411	4.408	0.003	240313	0.5014	0.4939	
2	4.818	4.816	0.002	210023	0.5014	0.4721	
		Average of Peak Amounts =				0.4945	
						RPD = 2.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.542	5.539	0.003	273633	0.5023	0.4449	
1	5.738	5.736	0.002	323683	0.5023	0.4705	
1	6.014	6.013	0.002	398870	0.5023	0.4877	M
1	6.428	6.425	0.003	257788	0.5023	0.4781	
1	6.712	6.709	0.003	662396	0.5023	0.4777	
		Average of Peak Amounts =				0.4718	
2	5.867	5.864	0.003	318642	0.5023	0.5052	
2	5.975	5.973	0.003	387919	0.5023	0.5009	
2	6.416	6.413	0.004	356064	0.5023	0.4849	
2	6.889	6.886	0.003	331219	0.5023	0.4866	
2	7.093	7.089	0.003	787547	0.5023	0.4860	
		Average of Peak Amounts =				0.4927	
						RPD = 4.34	
9 1260 Res 1							
1	7.095	7.093	0.002	331558	NR	NR	
2	6.889	6.886	0.003	331219	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	7.192	7.190	0.002	161111	NR	NR	
2	6.996	6.992	0.004	239268	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	7.268	7.267	0.001	185209	NR	NR	
2	7.093	7.089	0.003	787547	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	9.283	9.276	0.006	164965	0.0125	0.0106	
2	10.230	10.225	0.005	185289	0.0125	0.0119	
						RPD = 11.67	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

1660sur/is0.5_00169 Amount Added: 1.00 Units: mL

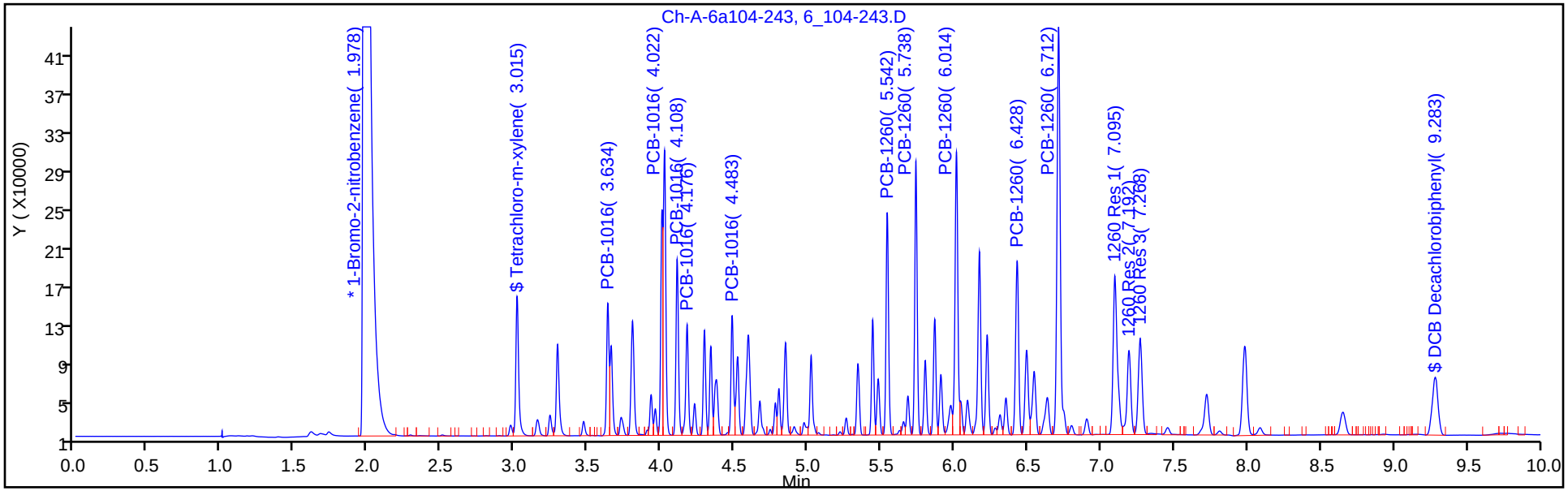
Report Date: 08-Mar-2022 11:01:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

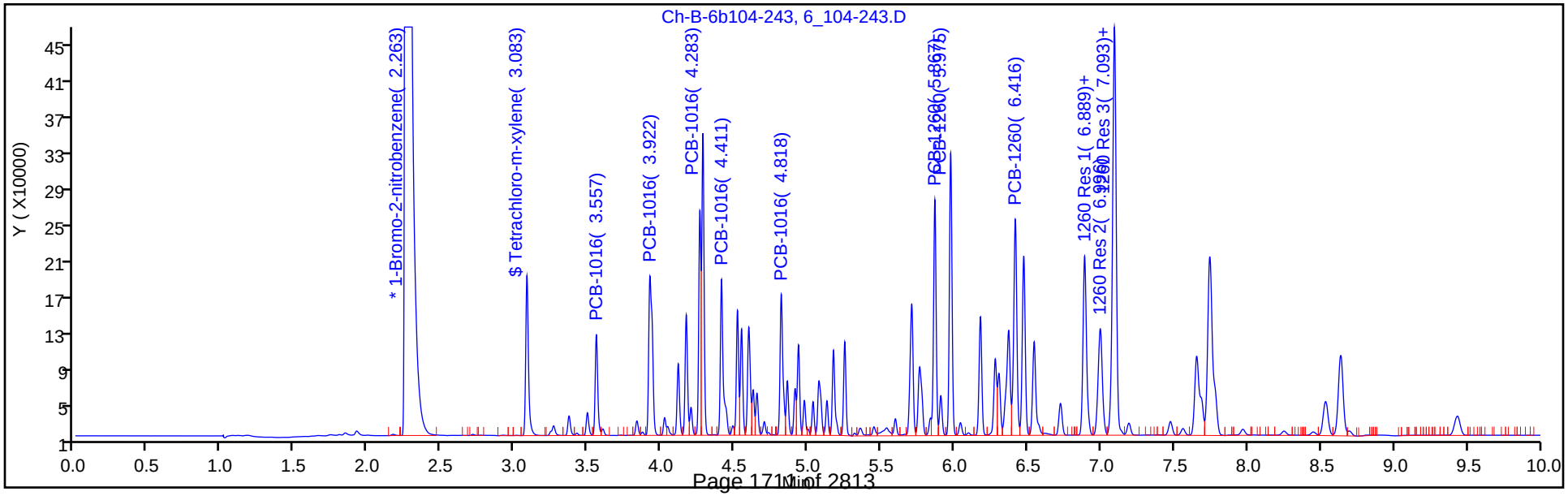
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-243.D

Injection Date:	07-Mar-2022 16:17:17	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-616931/1-A
Matrix: Solid
Lab File ID: 6_104-245.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.08(g)
Date Analyzed: 03/07/2022 16:43
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	120		60-154
2051-24-3	DCB Decachlorobiphenyl	108		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D				
Lims ID:	MB 480-616931/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	07-Mar-2022 16:43:55	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.982	-0.005	5587522	0.5000	0.5000	
2	2.263	2.265	-0.002	6038655	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	306911	0.0200	0.0241	
2	3.083	3.081	0.001	396025	0.0200	0.0259	
						RPD = 7.14	
$ 15 DCB Decachlorobiphenyl							
1	9.279	9.276	0.003	296741	0.0200	0.0215	
2	10.232	10.225	0.007	314492	0.0200	0.0227	
						RPD = 5.30	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:17:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D

Injection Date: 07-Mar-2022 16:43:55 Instrument ID: HP6890-6 Operator ID: BufTCHROM

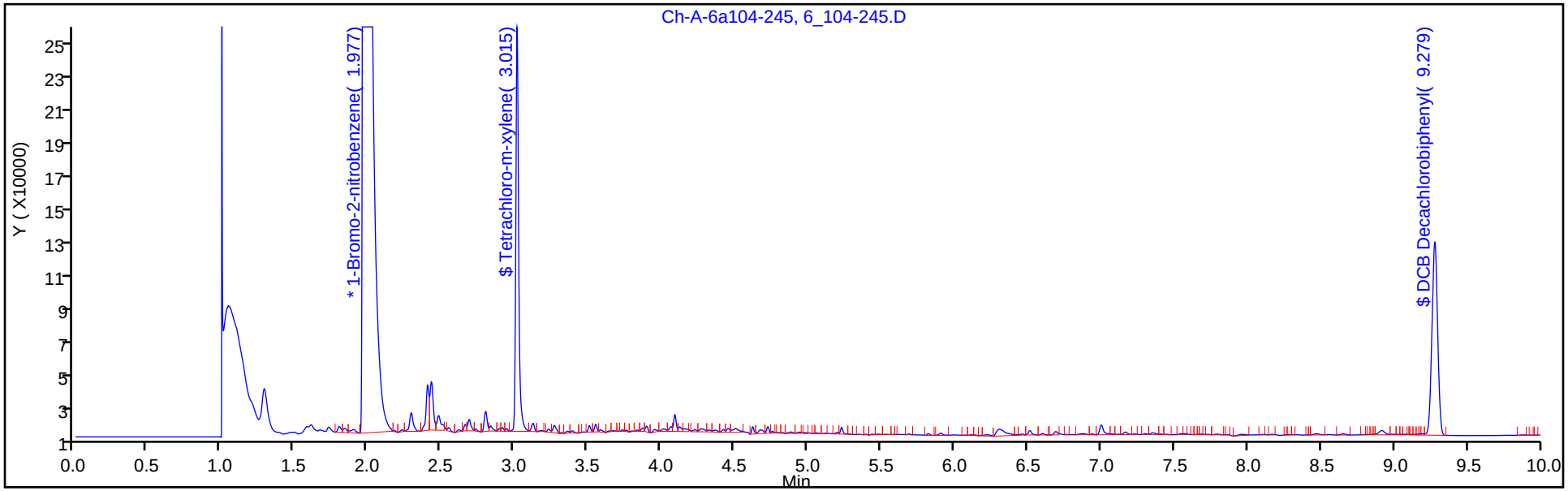
Lims ID: MB 480-616931/1-A Worklist Smp#: 14

Client ID:

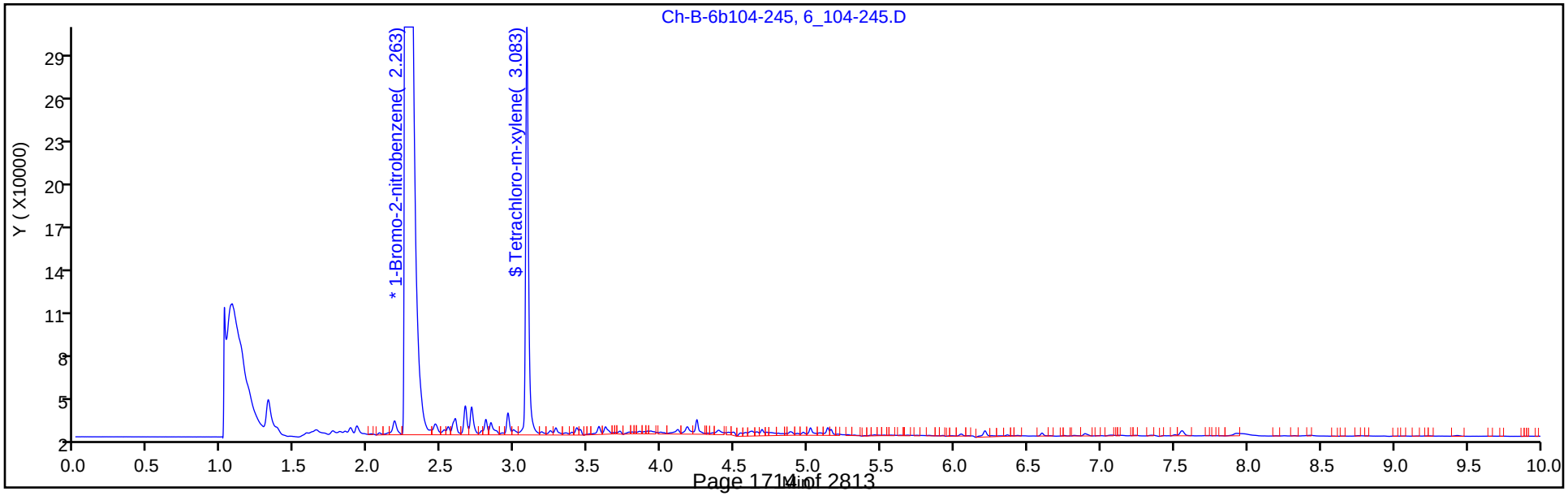
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D				
Lims ID:	MB 480-616931/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	07-Mar-2022 16:43:55	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:38

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0241	120.37
$ 15 DCB Decachlorobiphenyl	0.0200	0.0215	107.57

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0259	129.29
$ 15 DCB Decachlorobiphenyl	0.0200	0.0227	113.43

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-616931/1-A
Matrix: Solid
Lab File ID: 6_104-245.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.08(g)
Date Analyzed: 03/07/2022 16:43
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.24	0.047
11104-28-2	PCB-1221	ND		0.24	0.047
11141-16-5	PCB-1232	ND		0.24	0.047
53469-21-9	PCB-1242	ND		0.24	0.047
12672-29-6	PCB-1248	ND		0.24	0.047
11097-69-1	PCB-1254	ND		0.24	0.11
11096-82-5	PCB-1260	ND		0.24	0.11
37324-23-5	PCB-1262	ND		0.24	0.11
11100-14-4	PCB-1268	ND		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		60-154
2051-24-3	DCB Decachlorobiphenyl	113		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D				
Lims ID:	MB 480-616931/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	07-Mar-2022 16:43:55	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.977	1.982	-0.005	5587522	0.5000	0.5000	
2	2.263	2.265	-0.002	6038655	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	306911	0.0200	0.0241	
2	3.083	3.081	0.001	396025	0.0200	0.0259	
						RPD = 7.14	
$ 15 DCB Decachlorobiphenyl							
1	9.279	9.276	0.003	296741	0.0200	0.0215	
2	10.232	10.225	0.007	314492	0.0200	0.0227	
						RPD = 5.30	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:17:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D

Injection Date: 07-Mar-2022 16:43:55 Instrument ID: HP6890-6 Operator ID: BufTCHROM

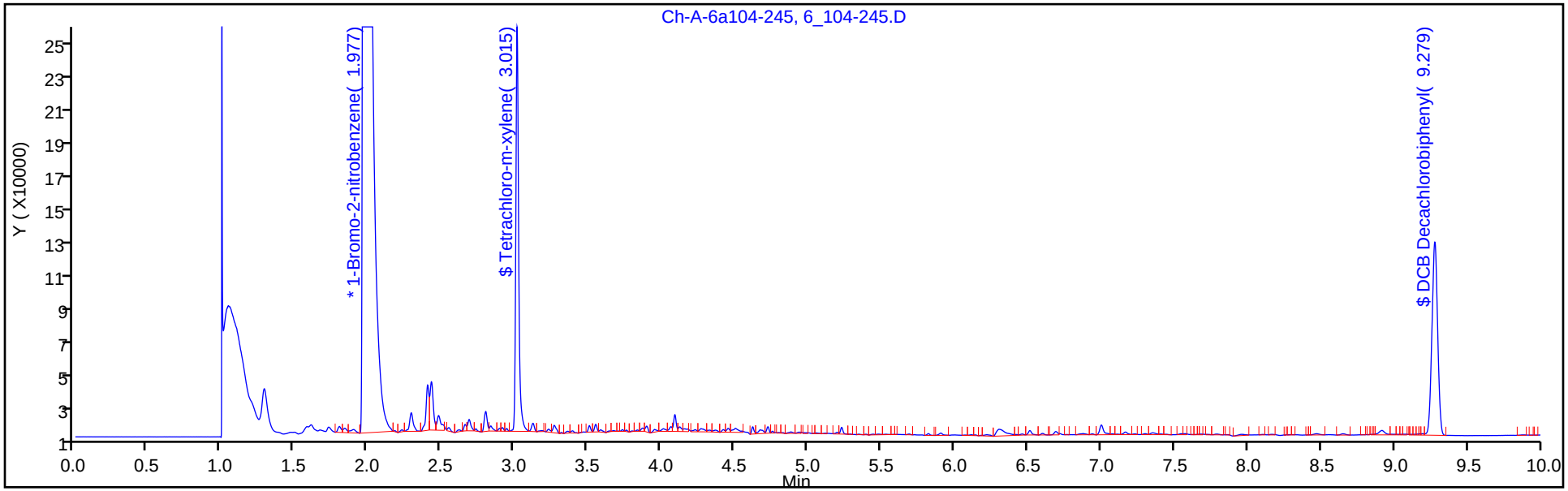
Lims ID: MB 480-616931/1-A Worklist Smp#: 14

Client ID:

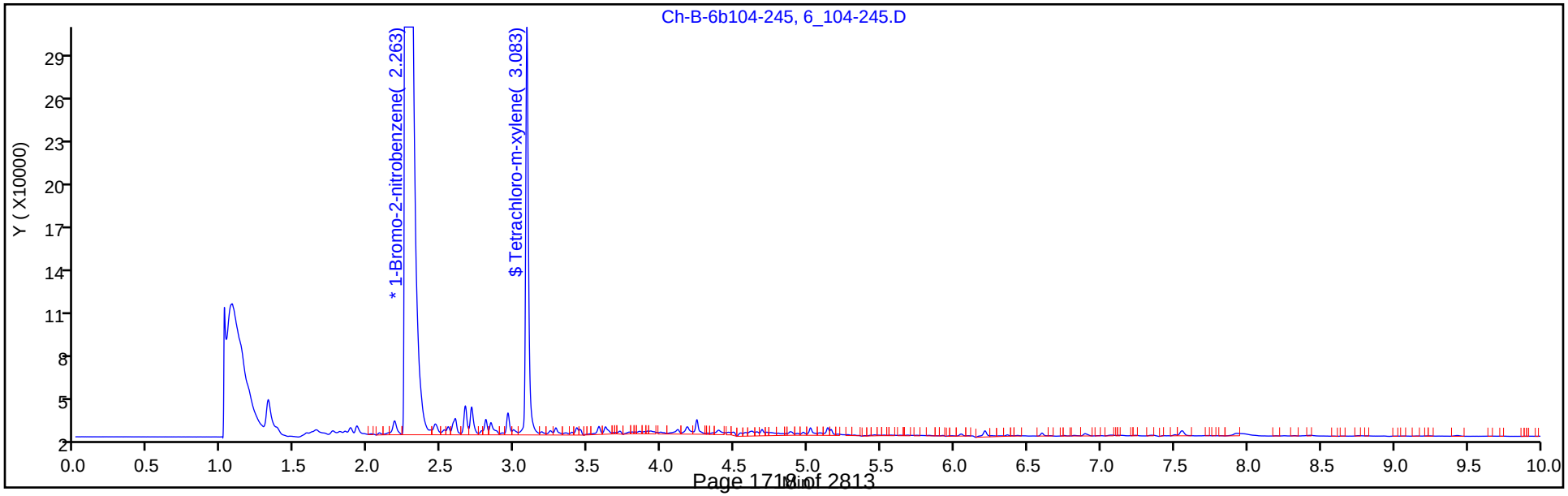
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-245.D				
Lims ID:	MB 480-616931/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	07-Mar-2022 16:43:55	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:17:38

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0241	120.37
$ 15 DCB Decachlorobiphenyl	0.0200	0.0215	107.57

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0259	129.29
$ 15 DCB Decachlorobiphenyl	0.0200	0.0227	113.43

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-616931/2-A
Matrix: Solid
Lab File ID: 6_104-246.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.44(g)
Date Analyzed: 03/07/2022 16:57
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	149		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D
Lims ID: LCS 480-616931/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Mar-2022 16:57:05 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:17:05 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:19:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	5407144	0.5000	0.5000	
2	2.263	2.265	-0.002	5822276	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.014	3.013	0.002	366666	0.0200	0.0298	
2	3.082	3.081	0.001	432374	0.0200	0.0293	
						RPD = 1.61	
6 PCB-1016							
1	3.633	3.633	0.000	185173	0.5000	0.6756	
1	4.021	4.020	0.001	423587	0.5000	0.7053	
1	4.107	4.106	0.001	296400	0.5000	0.7909	
1	4.174	4.173	0.001	173363	0.5000	0.7538	
1	4.482	4.482	0.000	182590	0.5000	0.6876	
		Average of Peak Amounts =				0.7227	
2	3.556	3.553	0.003	159513	0.5000	0.6951	
2	3.922	3.920	0.002	369258	0.5000	0.6901	
2	4.283	4.282	0.001	425689	0.5000	0.6724	
2	4.410	4.408	0.002	292568	0.5000	0.6944	
2	4.818	4.816	0.002	253028	0.5000	0.6561	
		Average of Peak Amounts =				0.6816	
						RPD = 5.85	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.540	5.539	0.001	353310	0.5000	0.6663	
1	5.736	5.736	0.000	419383	0.5000	0.7072	
1	6.012	6.013	0.000	497658	0.5000	0.7043	
1	6.425	6.425	0.000	326762	0.5000	0.7026	
1	6.710	6.709	0.001	849899	0.5000	0.7084	
		Average of Peak Amounts =				0.6978	
2	5.866	5.864	0.002	392274	0.5000	0.7191	
2	5.974	5.973	0.002	487967	0.5000	0.7286	
2	6.415	6.413	0.003	371052	0.5000	0.5830	
2	6.888	6.886	0.002	414757	0.5000	0.7044	
2	7.092	7.089	0.003	907761	0.5000	0.6462	
		Average of Peak Amounts =				0.6763	
						RPD = 3.13	
$ 15 DCB Decachlorobiphenyl							
1	9.280	9.276	0.004	339175	0.0200	0.0255	
2	10.229	10.225	0.004	340140	0.0200	0.0255	
						RPD = 0.06	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:19:43 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D

Injection Date: 07-Mar-2022 16:57:05 Instrument ID: HP6890-6 Operator ID: BufTCHROM

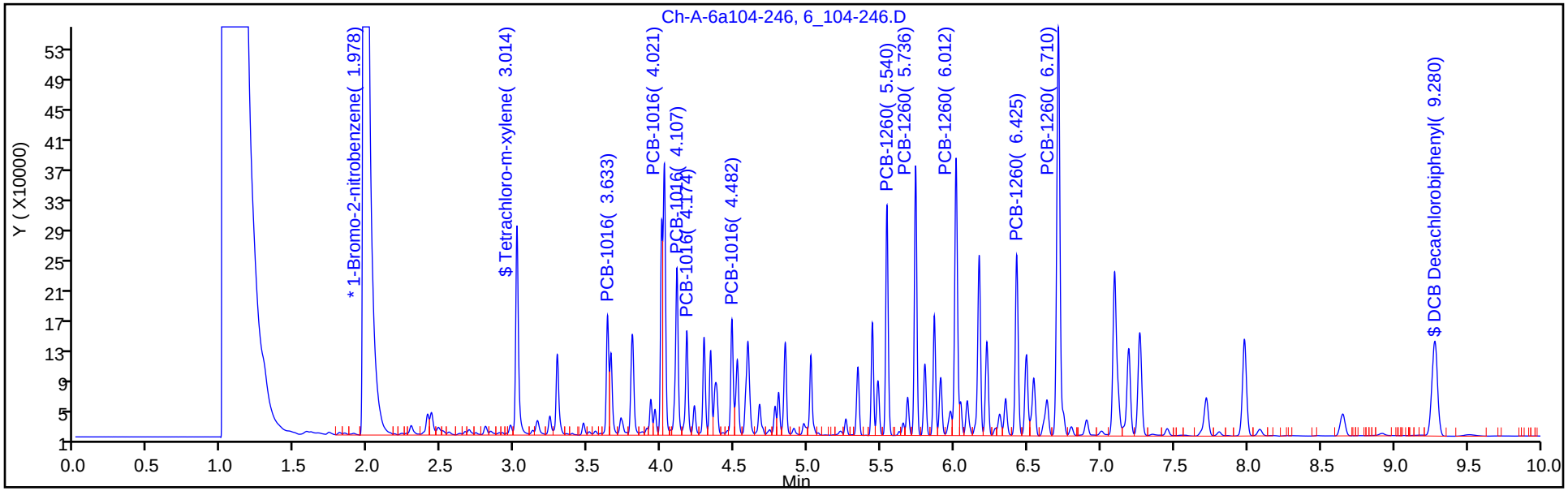
Lims ID: LCS 480-616931/2-A Worklist Smp#: 15

Client ID:

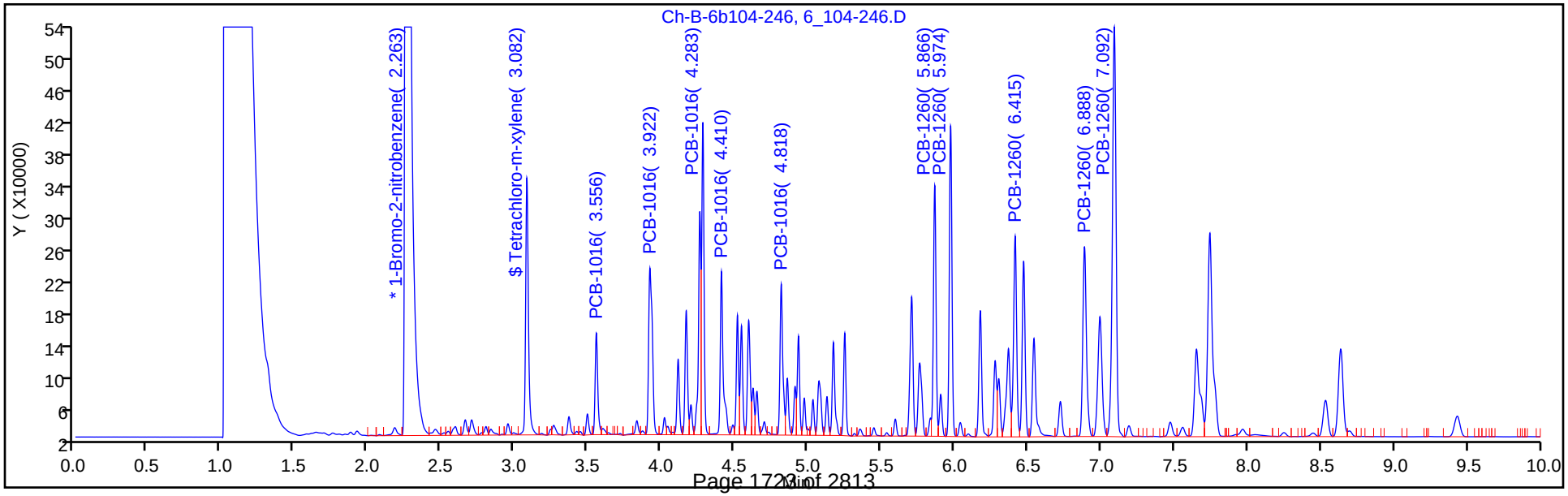
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D				
Lims ID:	LCS 480-616931/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	07-Mar-2022 16:57:05	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:19:43

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0298	148.86
$ 15 DCB Decachlorobiphenyl	0.0200	0.0255	127.32

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0293	146.48
$ 15 DCB Decachlorobiphenyl	0.0200	0.0255	127.40

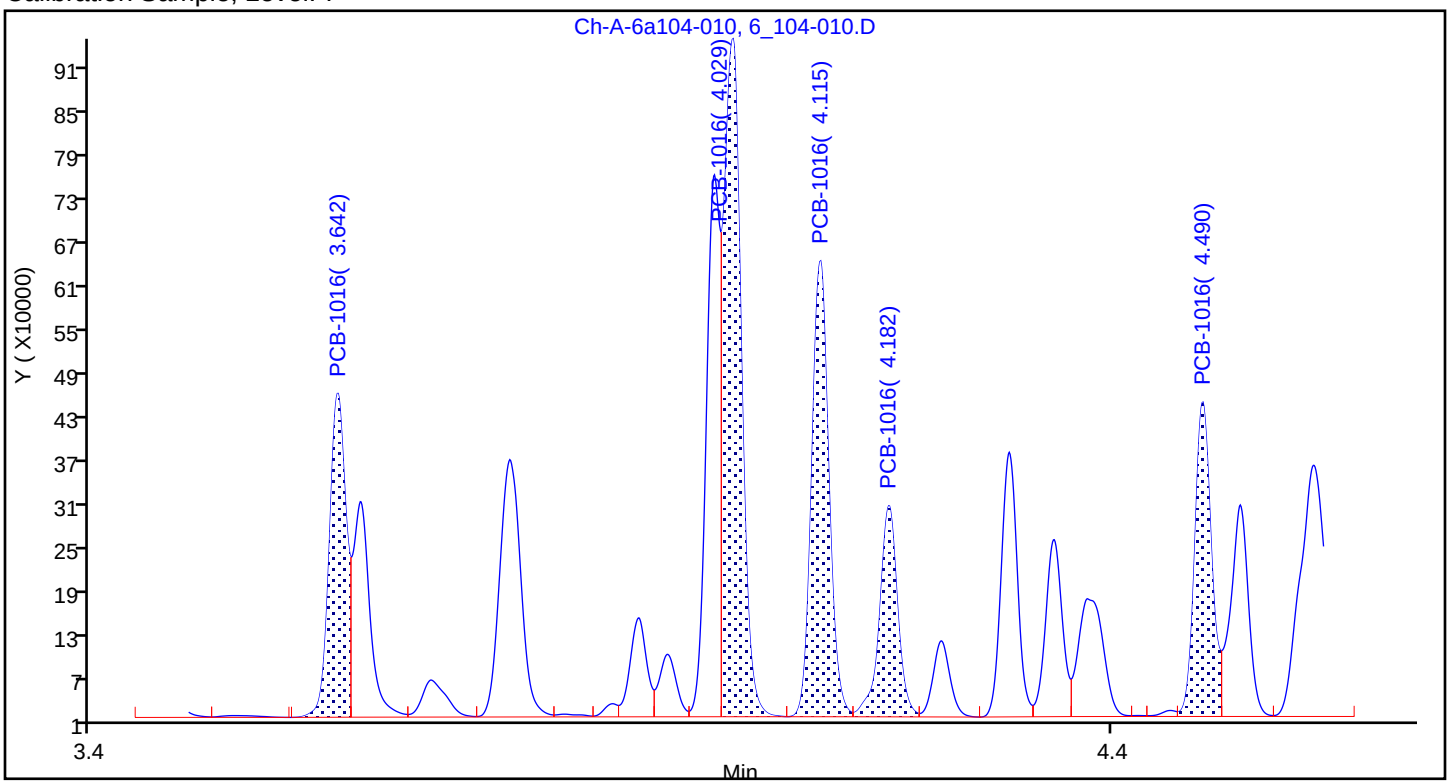
Report Date: 08-Mar-2022 10:19:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

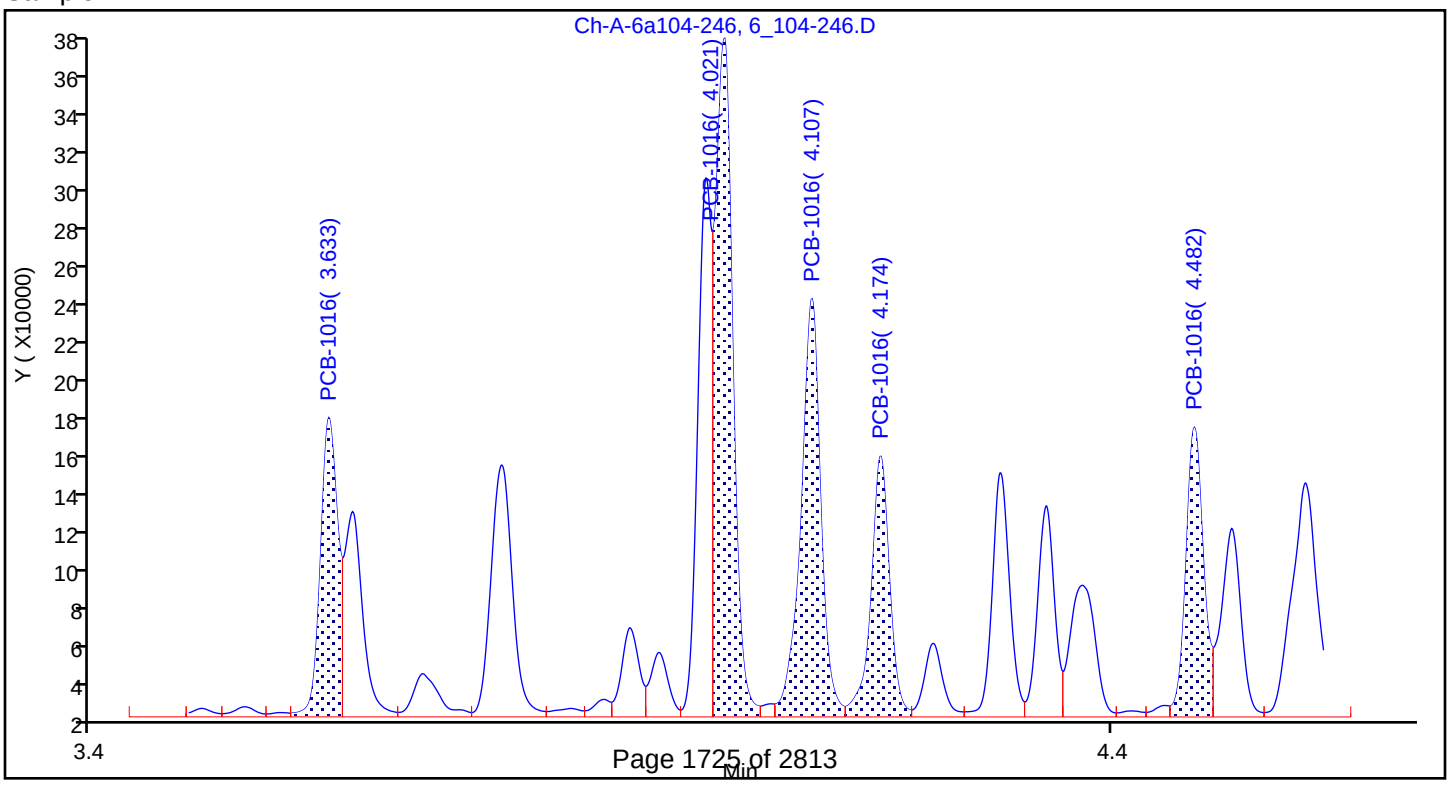
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D				
Injection Date:	07-Mar-2022 16:57:05	Instrument ID:	HP6890-6		
Lims ID:	LCS 480-616931/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 08-Mar-2022 10:19:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D

Injection Date: 07-Mar-2022 16:57:05 Instrument ID: HP6890-6

Lims ID: LCS 480-616931/2-A

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

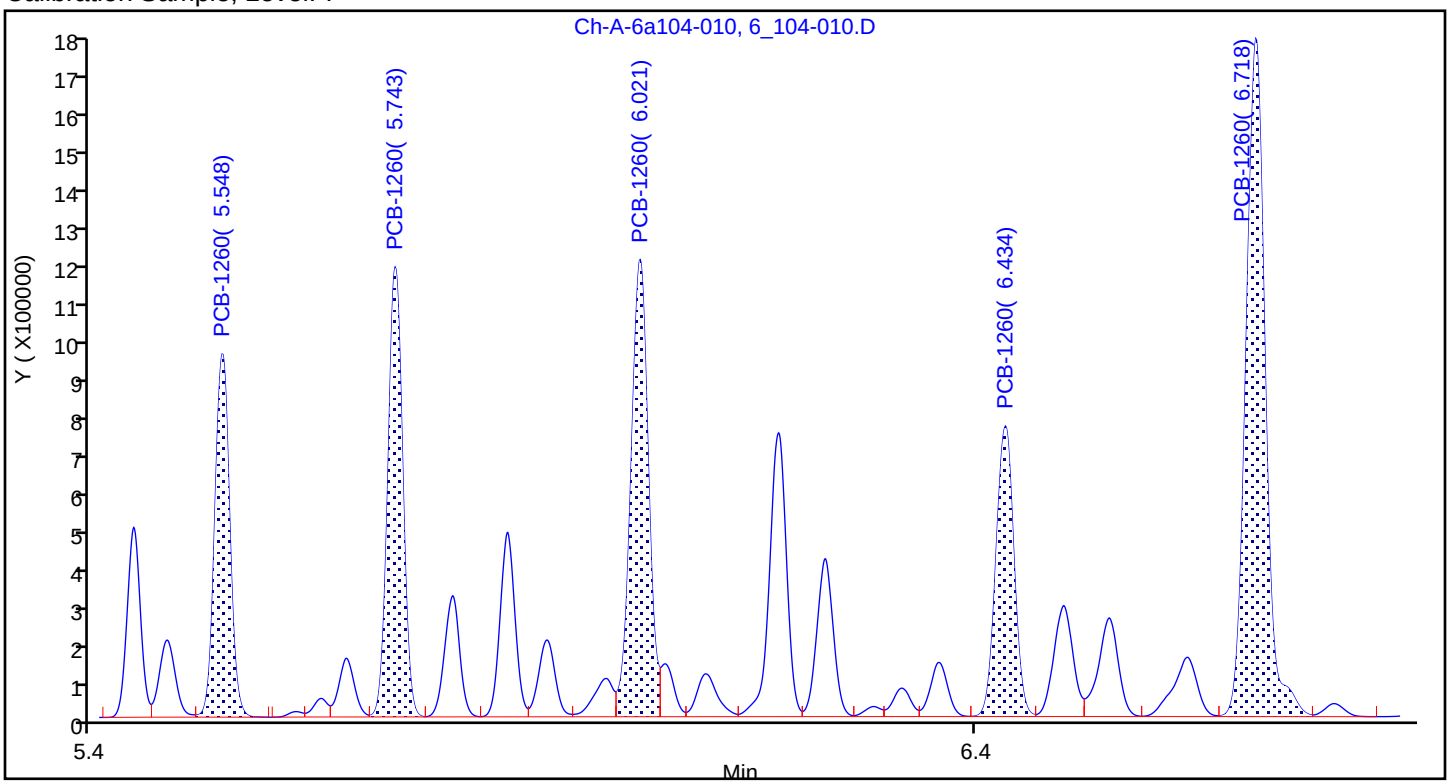
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

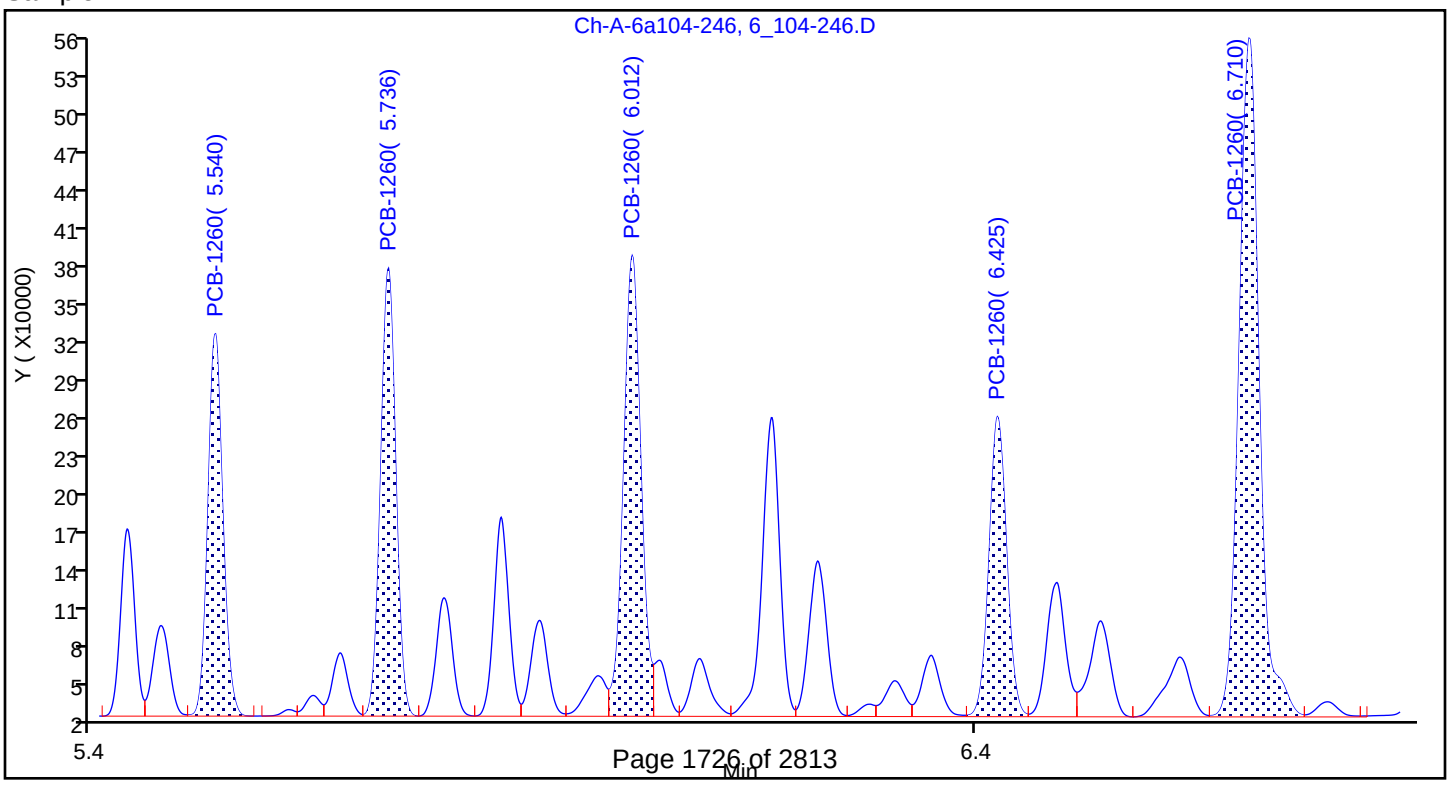
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-616931/2-A
Matrix: Solid
Lab File ID: 6_104-246.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.44(g)
Date Analyzed: 03/07/2022 16:57
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.79		0.20	0.040
11096-82-5	PCB-1260	2.77		0.20	0.096

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	146		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D
Lims ID: LCS 480-616931/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Mar-2022 16:57:05 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:17:05 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:19:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	5407144	0.5000	0.5000	
2	2.263	2.265	-0.002	5822276	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.014	3.013	0.002	366666	0.0200	0.0298	
2	3.082	3.081	0.001	432374	0.0200	0.0293	
						RPD = 1.61	
6 PCB-1016							
1	3.633	3.633	0.000	185173	0.5000	0.6756	
1	4.021	4.020	0.001	423587	0.5000	0.7053	
1	4.107	4.106	0.001	296400	0.5000	0.7909	
1	4.174	4.173	0.001	173363	0.5000	0.7538	
1	4.482	4.482	0.000	182590	0.5000	0.6876	
		Average of Peak Amounts =				0.7227	
2	3.556	3.553	0.003	159513	0.5000	0.6951	
2	3.922	3.920	0.002	369258	0.5000	0.6901	
2	4.283	4.282	0.001	425689	0.5000	0.6724	
2	4.410	4.408	0.002	292568	0.5000	0.6944	
2	4.818	4.816	0.002	253028	0.5000	0.6561	
		Average of Peak Amounts =				0.6816	
						RPD = 5.85	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.540	5.539	0.001	353310	0.5000	0.6663	
1	5.736	5.736	0.000	419383	0.5000	0.7072	
1	6.012	6.013	0.000	497658	0.5000	0.7043	
1	6.425	6.425	0.000	326762	0.5000	0.7026	
1	6.710	6.709	0.001	849899	0.5000	0.7084	
		Average of Peak Amounts =				0.6978	
2	5.866	5.864	0.002	392274	0.5000	0.7191	
2	5.974	5.973	0.002	487967	0.5000	0.7286	
2	6.415	6.413	0.003	371052	0.5000	0.5830	
2	6.888	6.886	0.002	414757	0.5000	0.7044	
2	7.092	7.089	0.003	907761	0.5000	0.6462	
		Average of Peak Amounts =				0.6763	
						RPD = 3.13	
$ 15 DCB Decachlorobiphenyl							
1	9.280	9.276	0.004	339175	0.0200	0.0255	
2	10.229	10.225	0.004	340140	0.0200	0.0255	
						RPD = 0.06	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:19:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D

Injection Date: 07-Mar-2022 16:57:05 Instrument ID: HP6890-6 Operator ID: BufTCHROM

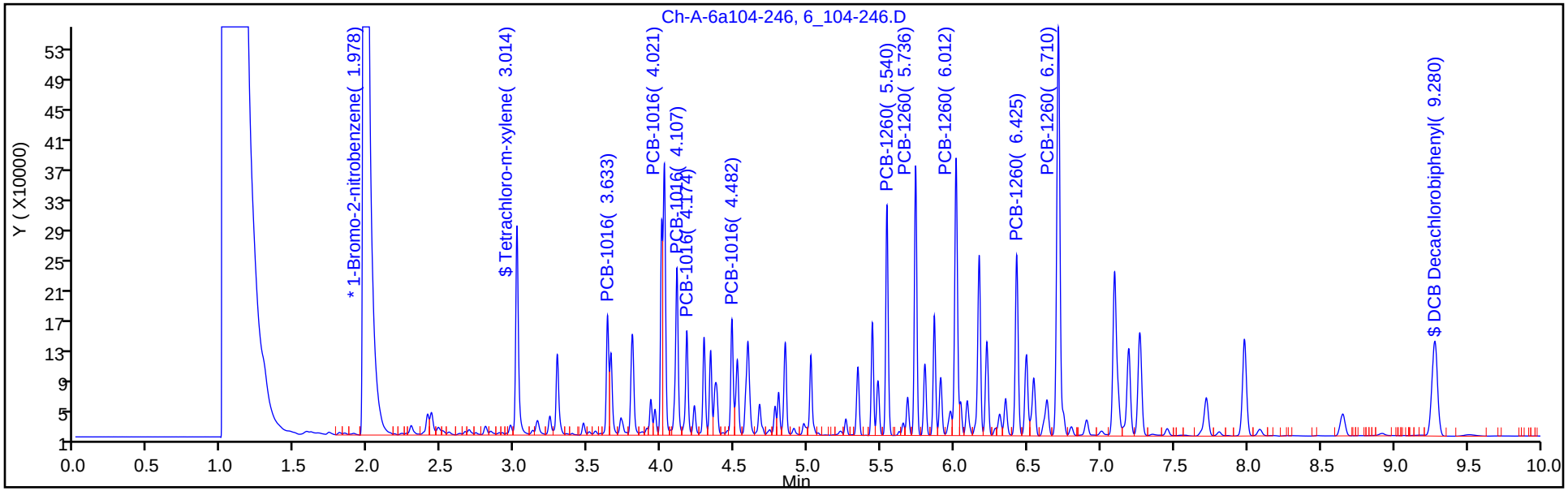
Lims ID: LCS 480-616931/2-A Worklist Smp#: 15

Client ID:

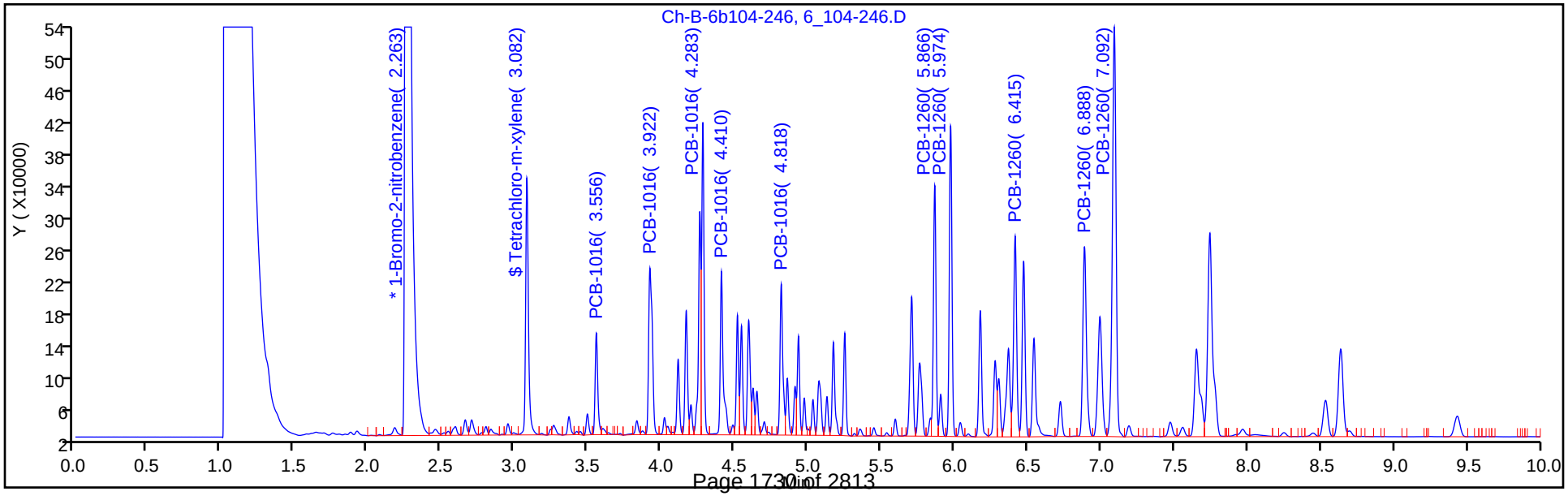
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D				
Lims ID:	LCS 480-616931/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	07-Mar-2022 16:57:05	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:17:05	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:19:43

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0298	148.86
$ 15 DCB Decachlorobiphenyl	0.0200	0.0255	127.32

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0293	146.48
$ 15 DCB Decachlorobiphenyl	0.0200	0.0255	127.40

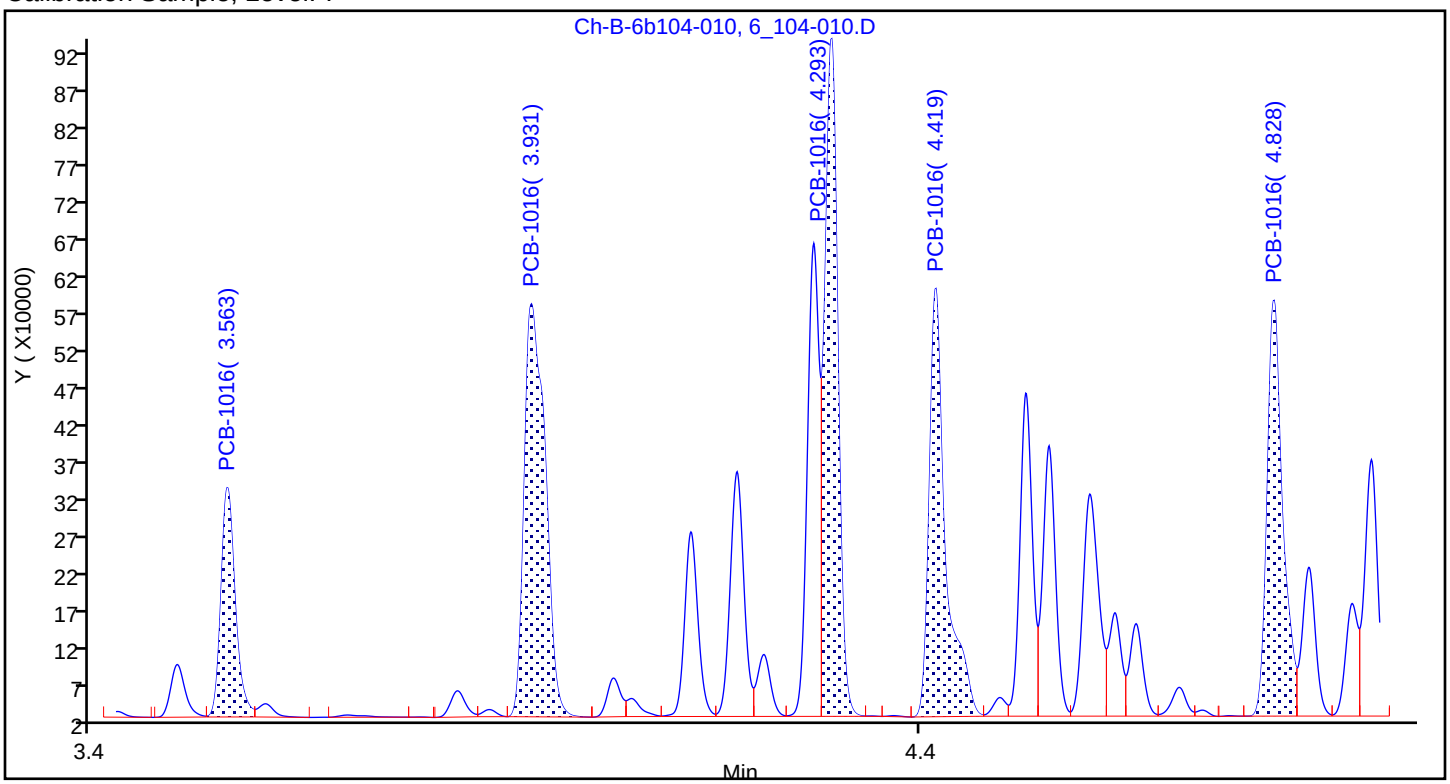
Report Date: 08-Mar-2022 10:19:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D				
Injection Date:	07-Mar-2022 16:57:05	Instrument ID:	HP6890-6		
Lims ID:	LCS 480-616931/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



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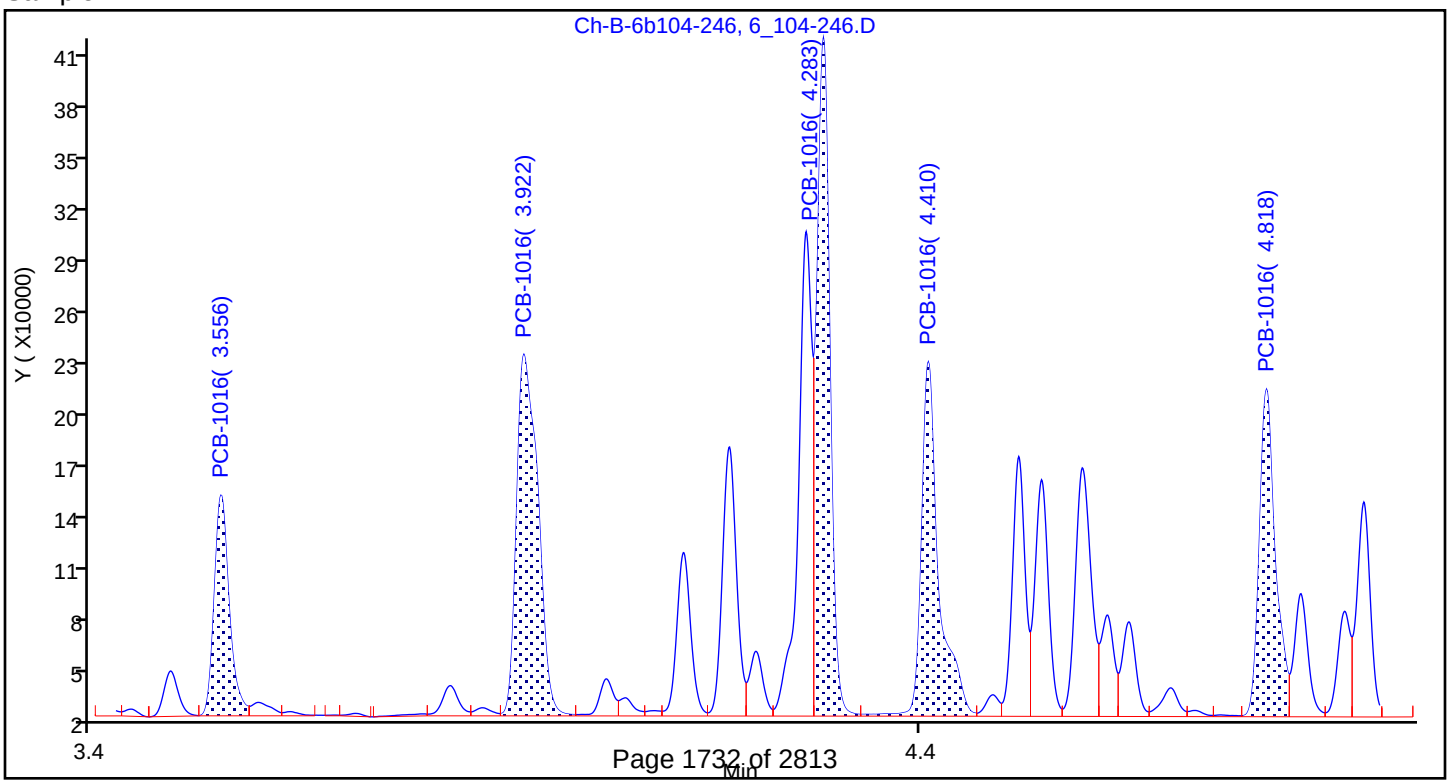


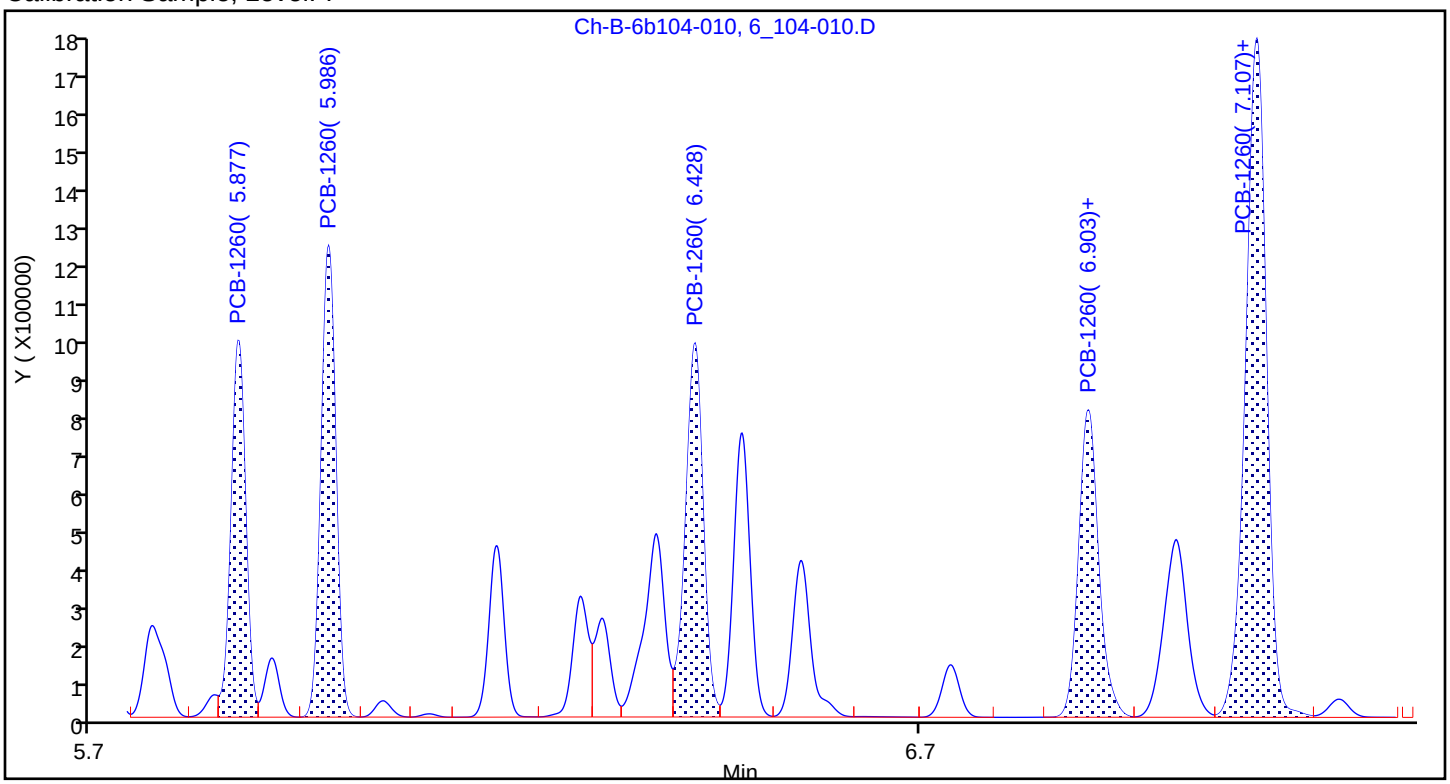
Report Date: 08-Mar-2022 10:19:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-246.D				
Injection Date:	07-Mar-2022 16:57:05	Instrument ID:	HP6890-6		
Lims ID:	LCS 480-616931/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



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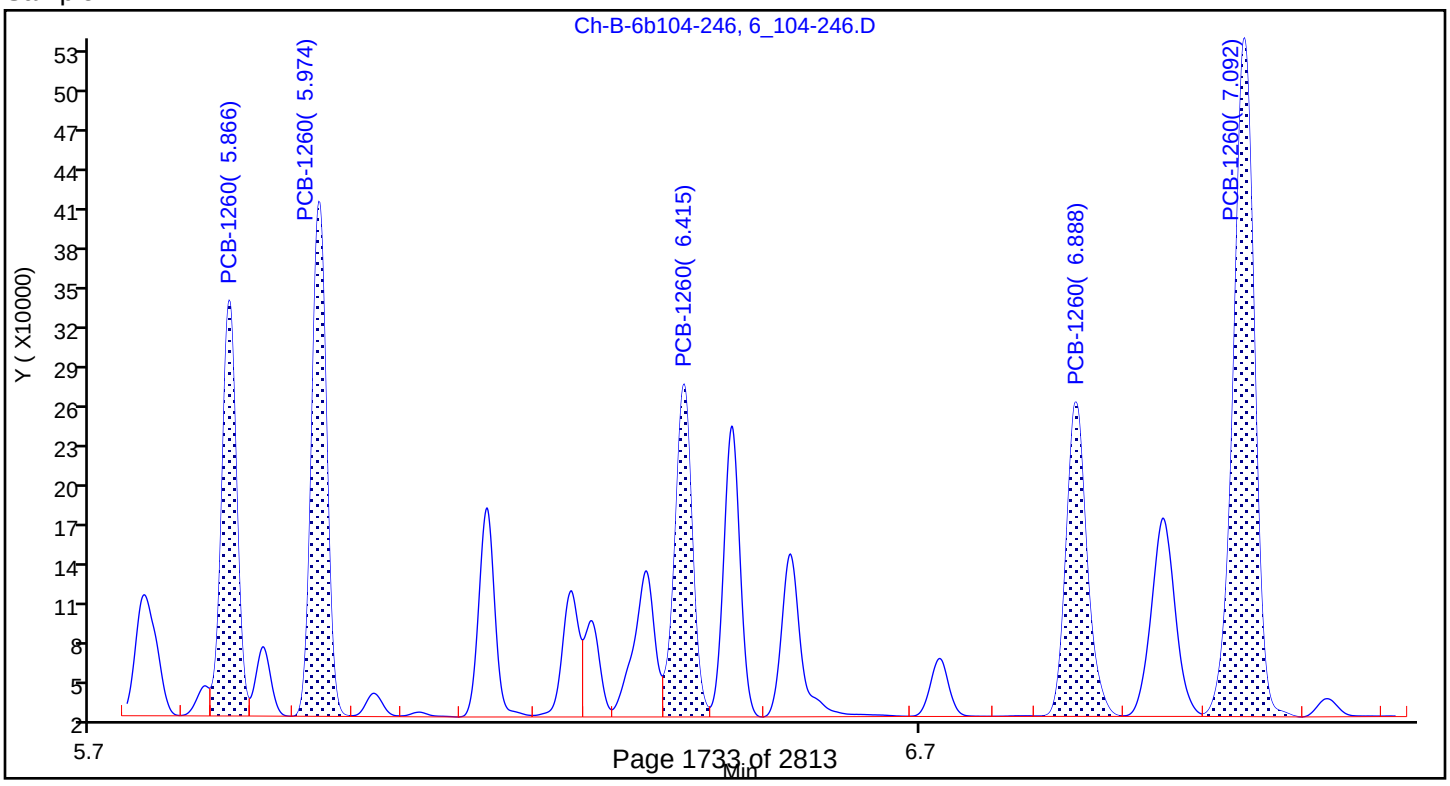


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2 MS
Lab Sample ID: 480-195466-10 MS
Matrix: Solid
Lab File ID: 6_104-247.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.18(g)
Date Analyzed: 03/07/2022 17:10
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		60-154
2051-24-3	DCB Decachlorobiphenyl	114		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D
Lims ID: 480-195466-E-10-A MS
Client ID:
Sample Type: MS
Inject. Date: 07-Mar-2022 17:10:25 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:21:27 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.979	1.982	-0.003	5448875	0.5000	0.5000	
2	2.264	2.265	-0.001	5871599	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.017	3.013	0.005	320588	0.0200	0.0258	
2	3.083	3.081	0.001	401773	0.0200	0.0270	
						RPD = 4.48	
6 PCB-1016							
1	3.635	3.633	0.003	155993	0.5000	0.5635	
1	4.023	4.020	0.002	361386	0.5000	0.5964	
1	4.108	4.106	0.002	248453	0.5000	0.6559	
1	4.176	4.173	0.003	147002	0.5000	0.6324	
1	4.484	4.482	0.002	152179	0.5000	0.5672	
		Average of Peak Amounts =				0.6031	
2	3.557	3.553	0.004	144053	0.5000	0.6217	
2	3.923	3.920	0.002	321286	0.5000	0.5945	
2	4.284	4.282	0.002	368300	0.5000	0.5768	
2	4.410	4.408	0.002	244209	0.5000	0.5739	
2	4.818	4.816	0.002	206565	0.5000	0.5306	
		Average of Peak Amounts =				0.5795	
						RPD = 3.99	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.542	5.539	0.003	306560	0.5000	0.5721	
1	5.738	5.736	0.002	303543	0.5000	0.5045	
1	6.013	6.013	0.001	434157	0.5000	0.6083	
1	6.428	6.425	0.003	286182	0.5000	0.6090	
1	6.711	6.709	0.002	727943	0.5000	0.6010	
		Average of Peak Amounts =				0.5790	
2	5.866	5.864	0.002	337916	0.5000	0.6132	
2	5.974	5.973	0.002	413117	0.5000	0.6106	
2	6.415	6.413	0.003	332508	0.5000	0.5174	
2	6.888	6.886	0.002	357835	0.5000	0.6018	
2	7.092	7.089	0.003	783070	0.5000	0.5523	
		Average of Peak Amounts =				0.5791	
						RPD = 0.01	
$ 15 DCB Decachlorobiphenyl							
1	9.278	9.276	0.002	306792	0.0200	0.0228	
2	10.228	10.225	0.003	312359	0.0200	0.0232	
						RPD = 1.53	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:21:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D

Injection Date: 07-Mar-2022 17:10:25 Instrument ID: HP6890-6 Operator ID: BufTCHROM

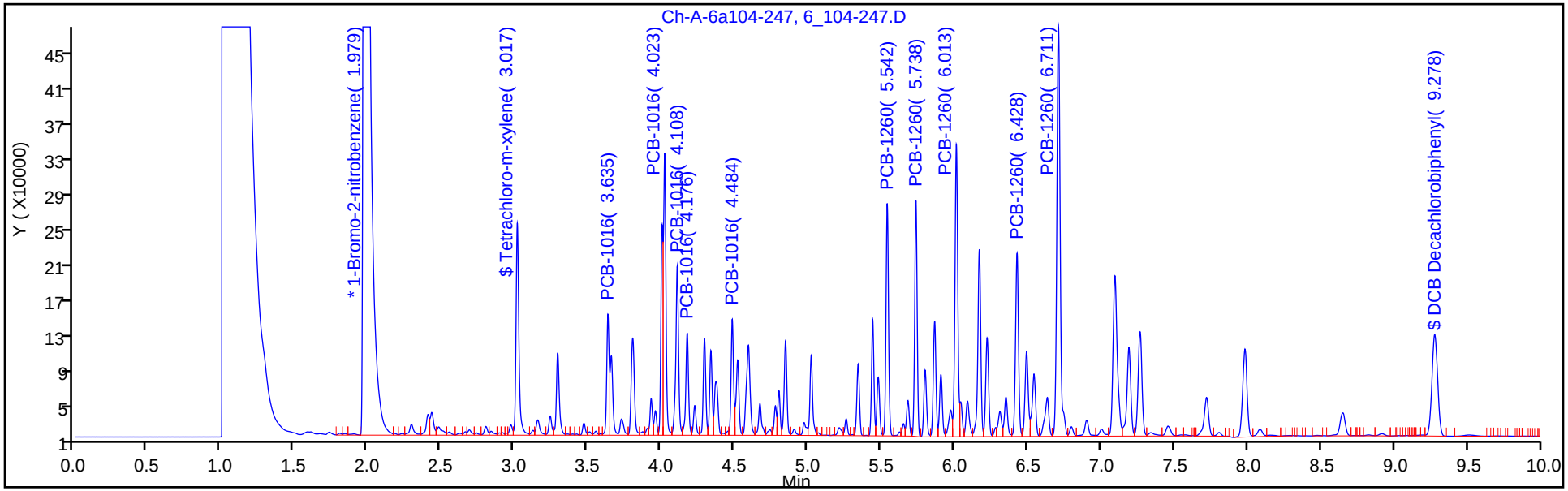
Lims ID: 480-195466-E-10-A MS Worklist Smp#: 16

Client ID:

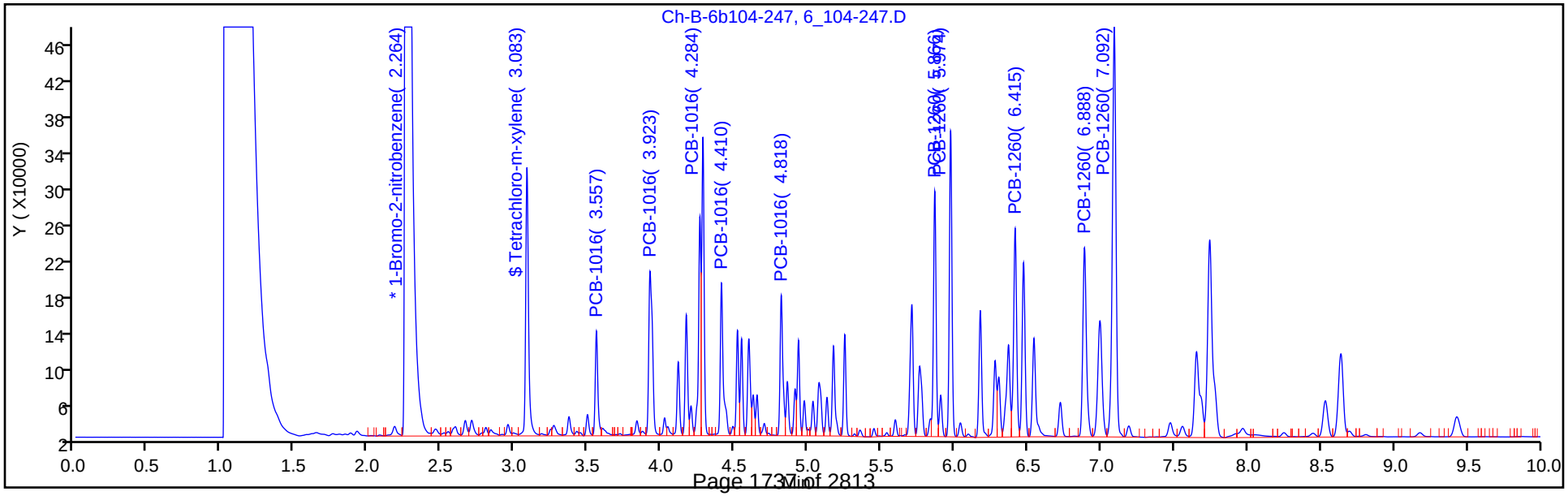
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D				
Lims ID:	480-195466-E-10-A MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	07-Mar-2022 17:10:25	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:21:27	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:21:27

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0258	129.01
$ 15 DCB Decachlorobiphenyl	0.0200	0.0228	114.13

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0270	134.92
$ 15 DCB Decachlorobiphenyl	0.0200	0.0232	115.89

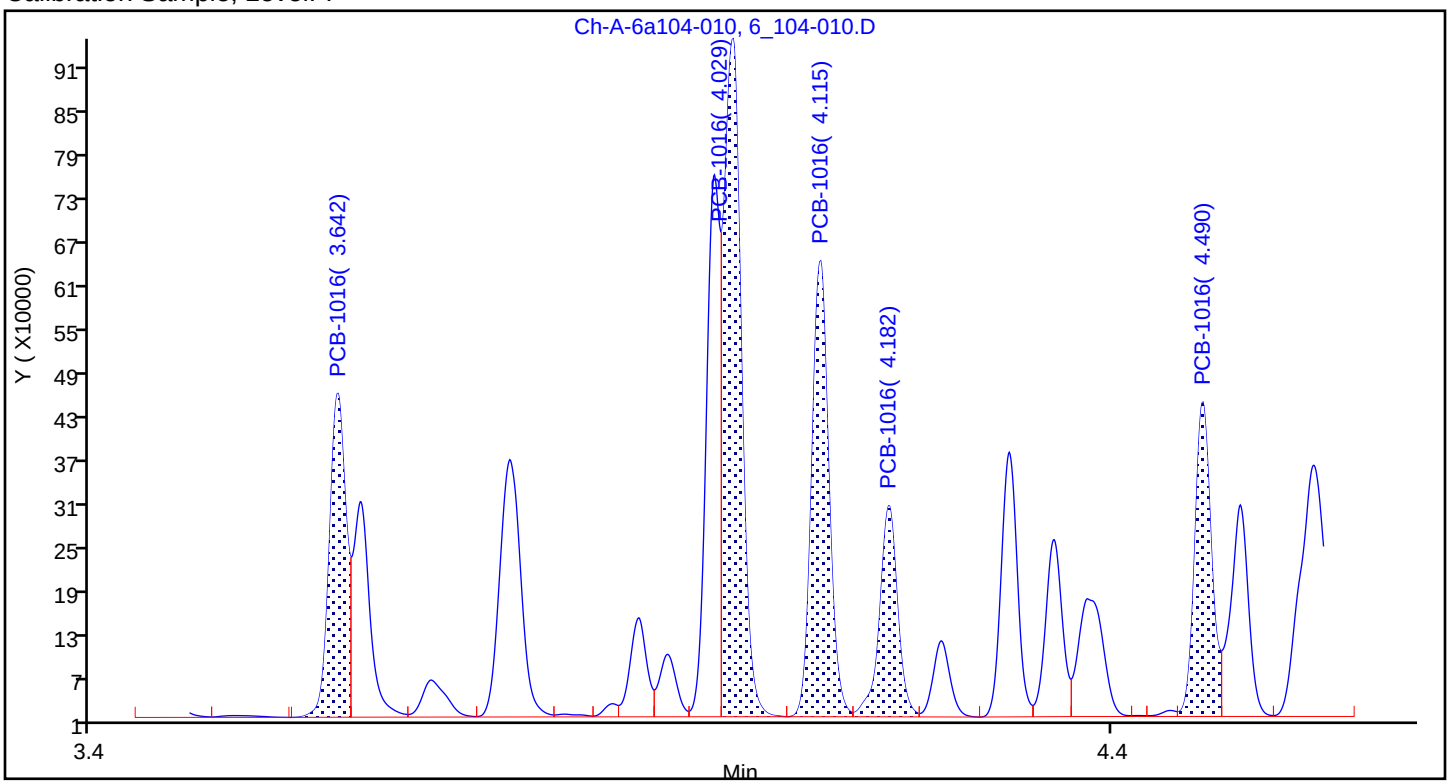
Report Date: 08-Mar-2022 10:21:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

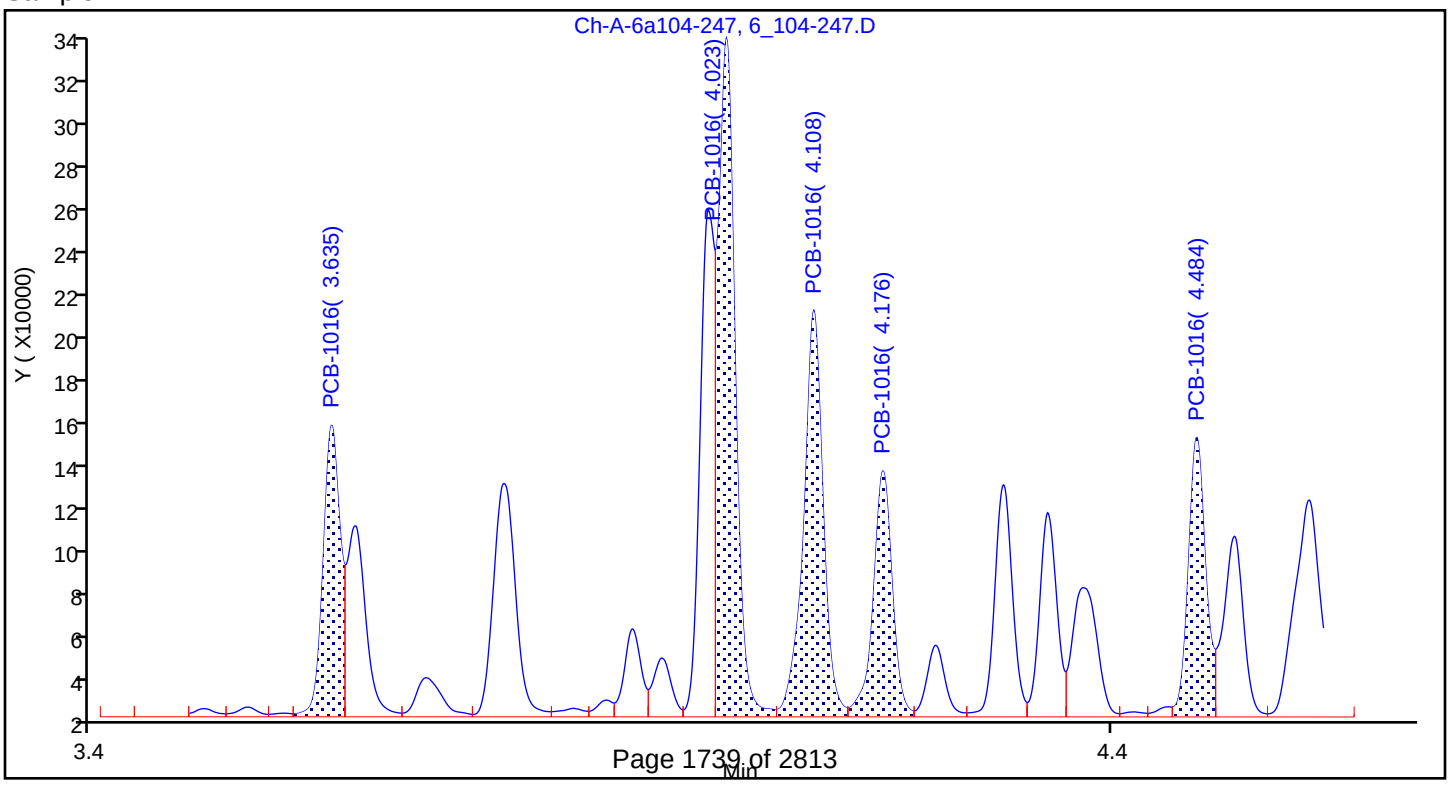
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D				
Injection Date:	07-Mar-2022 17:10:25	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 08-Mar-2022 10:21:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D

Injection Date: 07-Mar-2022 17:10:25 Instrument ID: HP6890-6

Lims ID: 480-195466-E-10-A MS

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

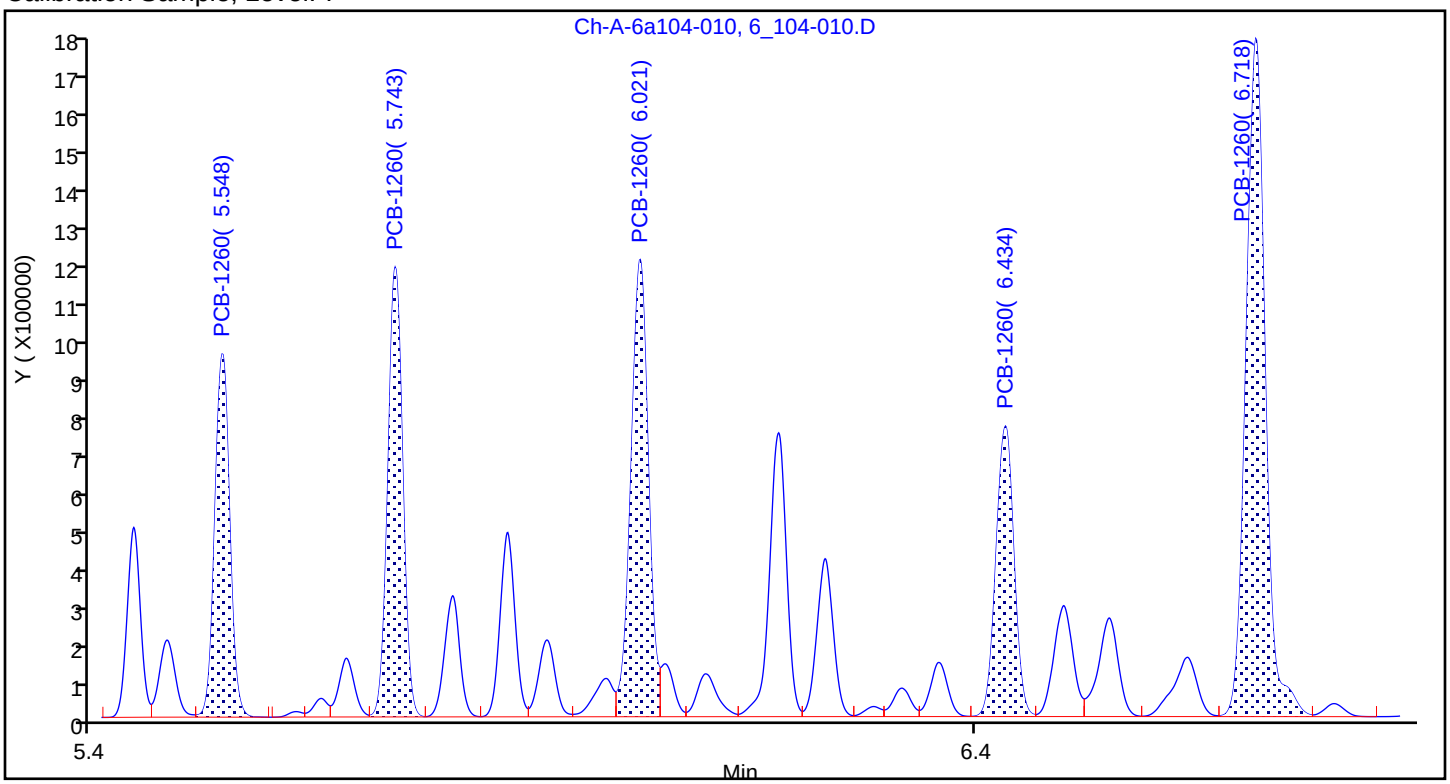
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

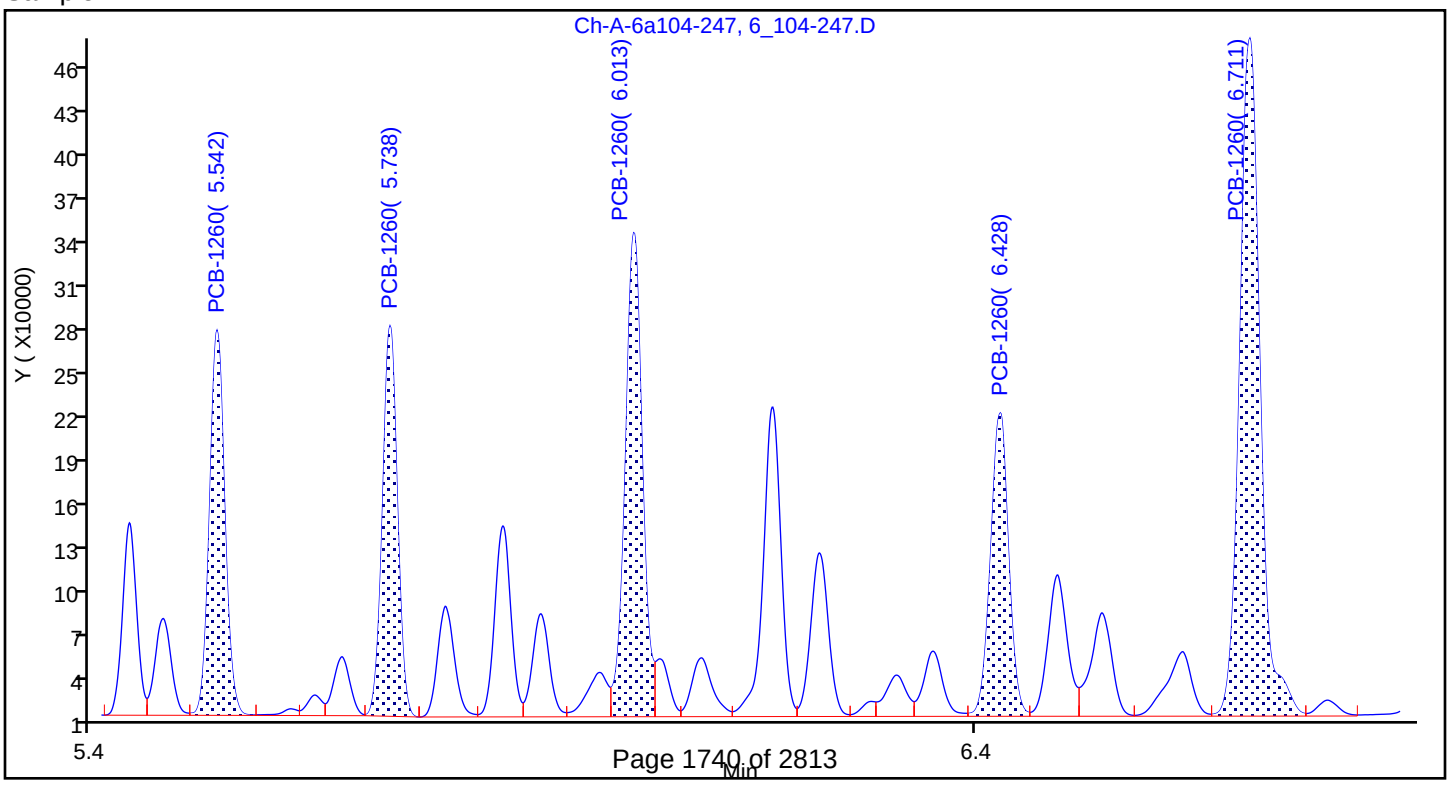
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2 MS
Lab Sample ID: 480-195466-10 MS
Matrix: Solid
Lab File ID: 6_104-247.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.18(g)
Date Analyzed: 03/07/2022 17:10
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.38		0.29	0.057
11104-28-2	PCB-1221	ND		0.29	0.057
11141-16-5	PCB-1232	ND		0.29	0.057
53469-21-9	PCB-1242	ND		0.29	0.057
12672-29-6	PCB-1248	ND		0.29	0.057
11097-69-1	PCB-1254	ND		0.29	0.14
11096-82-5	PCB-1260	3.38		0.29	0.14
37324-23-5	PCB-1262	ND		0.29	0.14
11100-14-4	PCB-1268	ND		0.29	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	135		60-154
2051-24-3	DCB Decachlorobiphenyl	116		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D
Lims ID: 480-195466-E-10-A MS
Client ID:
Sample Type: MS
Inject. Date: 07-Mar-2022 17:10:25 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:21:27 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.979	1.982	-0.003	5448875	0.5000	0.5000	
2	2.264	2.265	-0.001	5871599	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.017	3.013	0.005	320588	0.0200	0.0258	
2	3.083	3.081	0.001	401773	0.0200	0.0270	
						RPD = 4.48	
6 PCB-1016							
1	3.635	3.633	0.003	155993	0.5000	0.5635	
1	4.023	4.020	0.002	361386	0.5000	0.5964	
1	4.108	4.106	0.002	248453	0.5000	0.6559	
1	4.176	4.173	0.003	147002	0.5000	0.6324	
1	4.484	4.482	0.002	152179	0.5000	0.5672	
		Average of Peak Amounts =				0.6031	
2	3.557	3.553	0.004	144053	0.5000	0.6217	
2	3.923	3.920	0.002	321286	0.5000	0.5945	
2	4.284	4.282	0.002	368300	0.5000	0.5768	
2	4.410	4.408	0.002	244209	0.5000	0.5739	
2	4.818	4.816	0.002	206565	0.5000	0.5306	
		Average of Peak Amounts =				0.5795	
						RPD = 3.99	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.542	5.539	0.003	306560	0.5000	0.5721	
1	5.738	5.736	0.002	303543	0.5000	0.5045	
1	6.013	6.013	0.001	434157	0.5000	0.6083	
1	6.428	6.425	0.003	286182	0.5000	0.6090	
1	6.711	6.709	0.002	727943	0.5000	0.6010	
		Average of Peak Amounts =				0.5790	
2	5.866	5.864	0.002	337916	0.5000	0.6132	
2	5.974	5.973	0.002	413117	0.5000	0.6106	
2	6.415	6.413	0.003	332508	0.5000	0.5174	
2	6.888	6.886	0.002	357835	0.5000	0.6018	
2	7.092	7.089	0.003	783070	0.5000	0.5523	
		Average of Peak Amounts =				0.5791	
						RPD = 0.01	
$ 15 DCB Decachlorobiphenyl							
1	9.278	9.276	0.002	306792	0.0200	0.0228	
2	10.228	10.225	0.003	312359	0.0200	0.0232	
						RPD = 1.53	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:21:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D

Injection Date: 07-Mar-2022 17:10:25 Instrument ID: HP6890-6 Operator ID: BufTCHROM

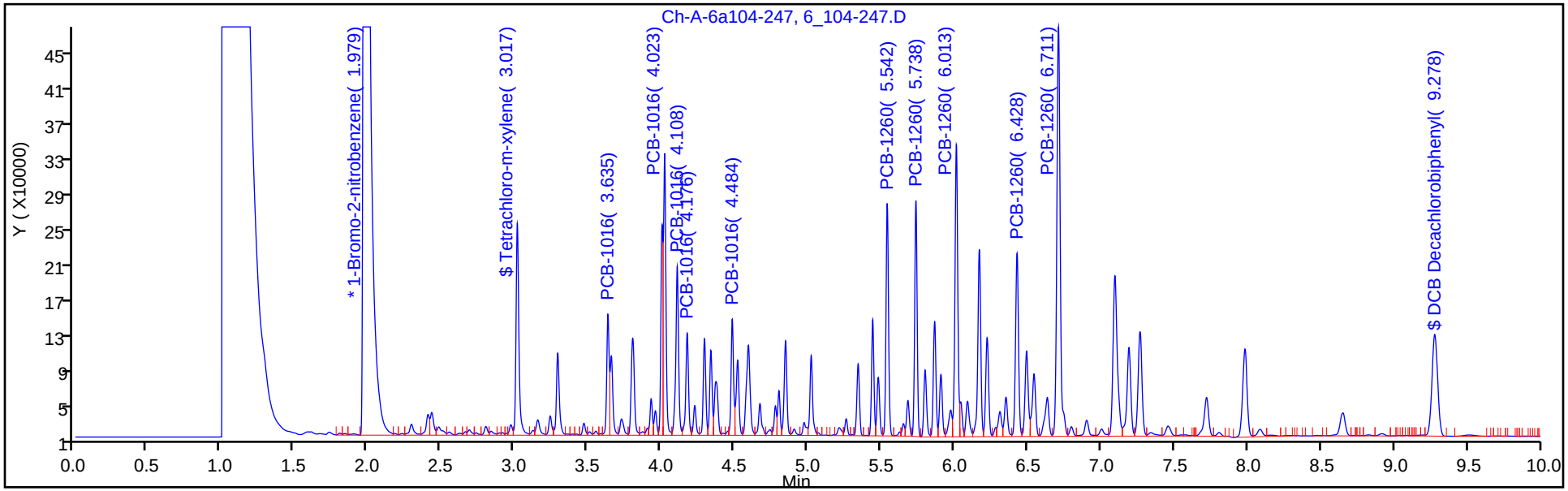
Lims ID: 480-195466-E-10-A MS Worklist Smp#: 16

Client ID:

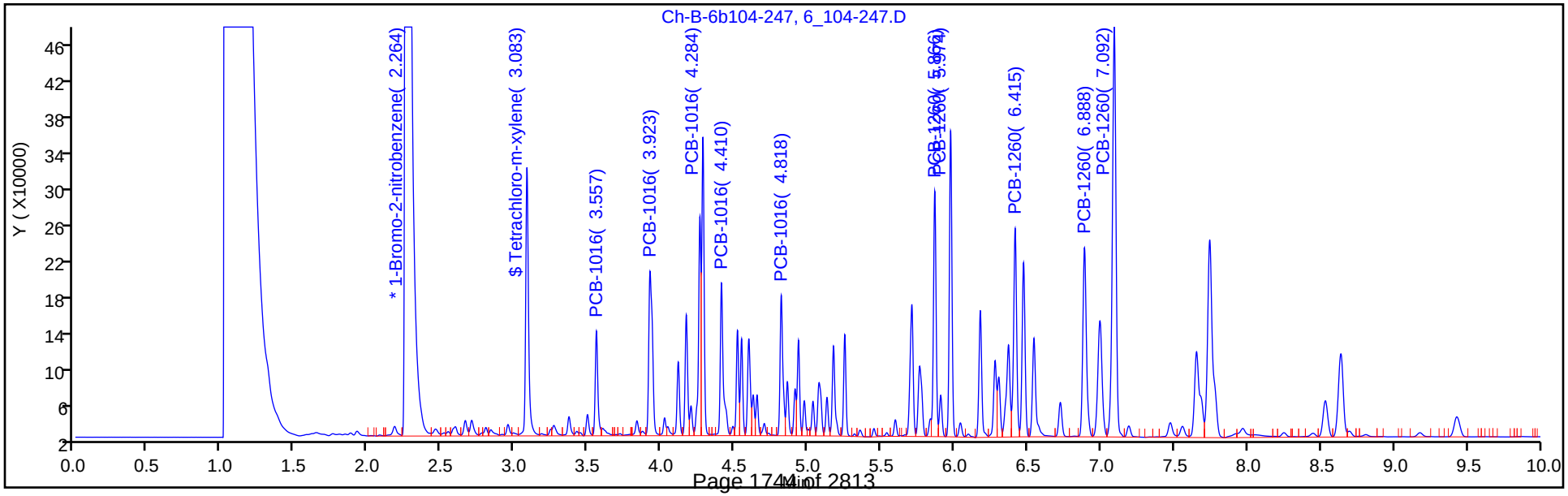
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D				
Lims ID:	480-195466-E-10-A MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	07-Mar-2022 17:10:25	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:21:27	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:21:27

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0258	129.01
$ 15 DCB Decachlorobiphenyl	0.0200	0.0228	114.13

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0270	134.92
$ 15 DCB Decachlorobiphenyl	0.0200	0.0232	115.89

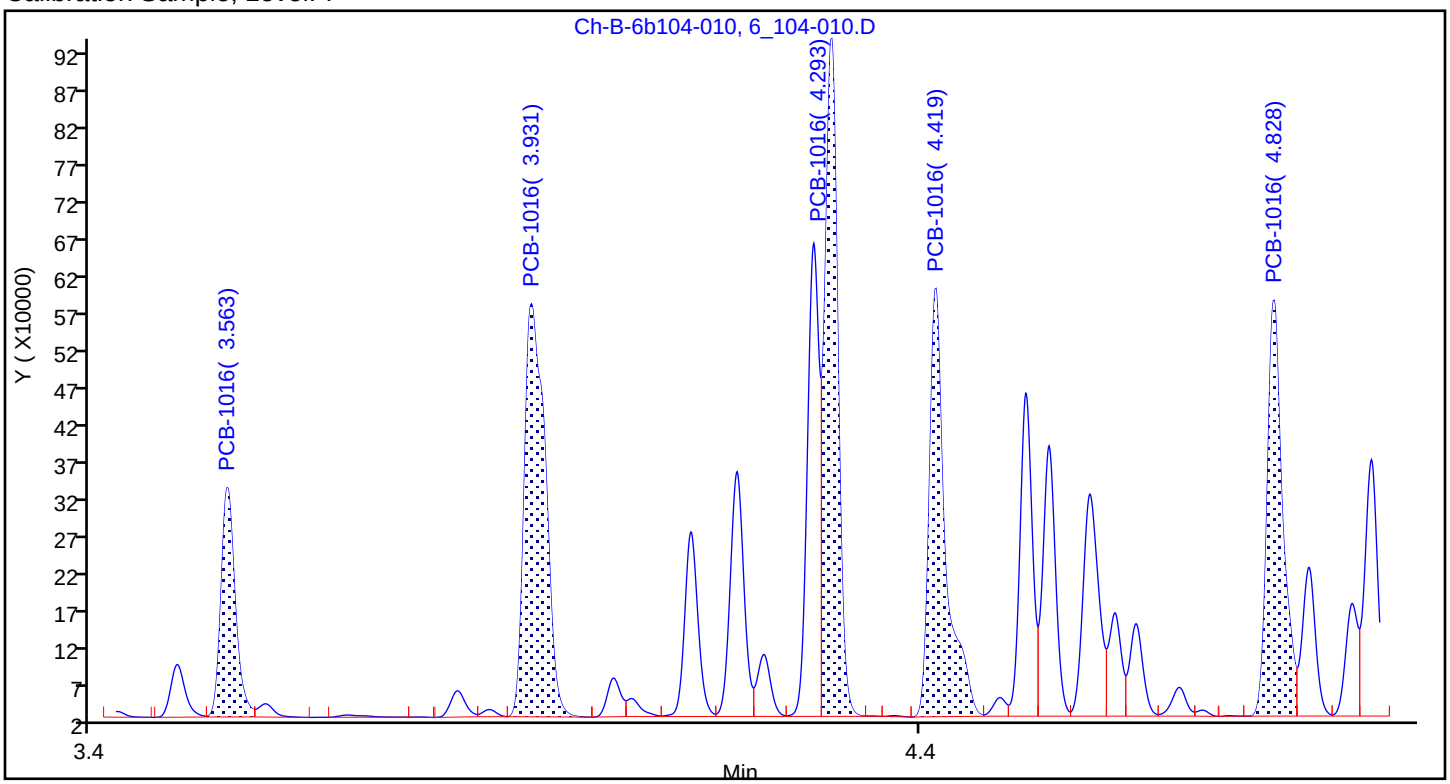
Report Date: 08-Mar-2022 10:21:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

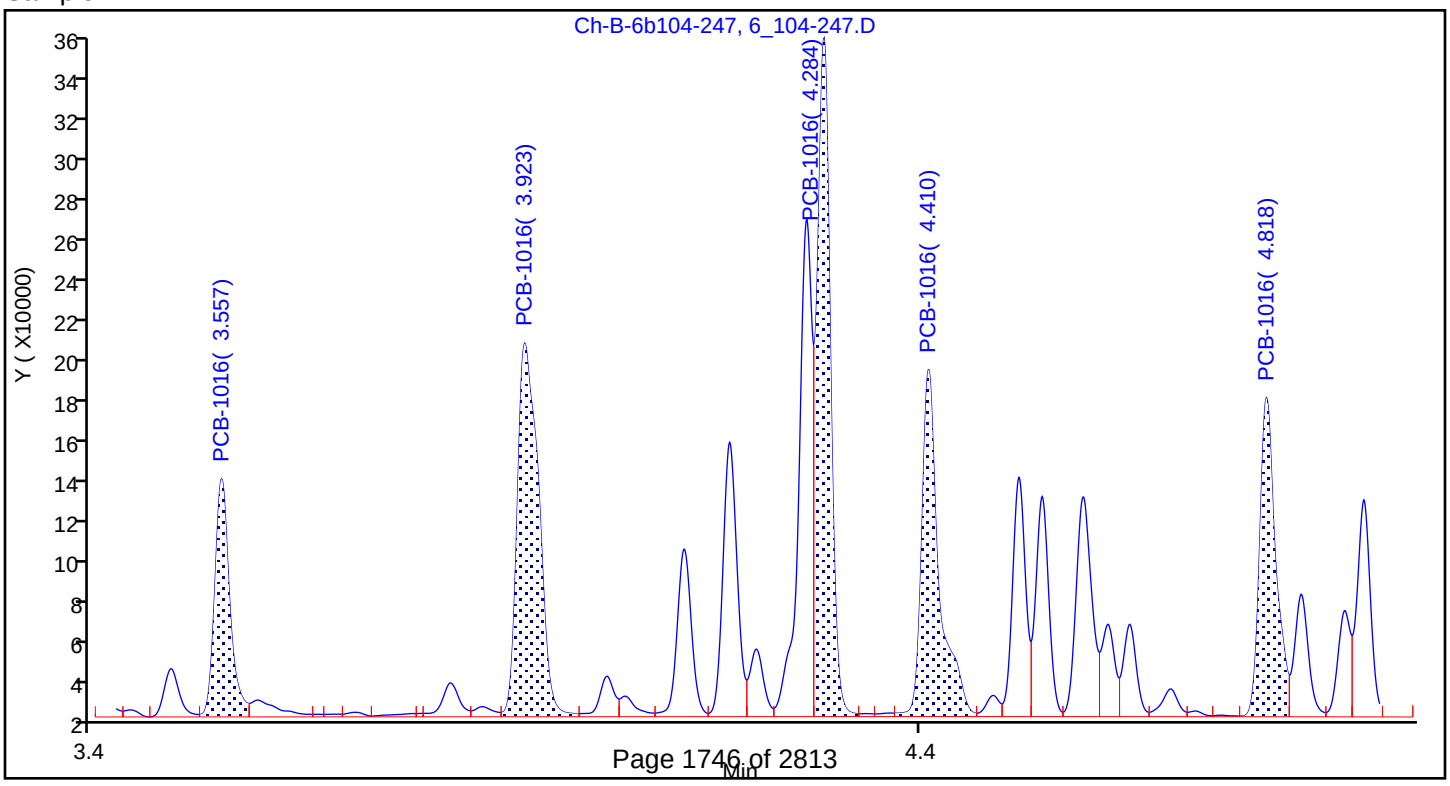
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D				
Injection Date:	07-Mar-2022 17:10:25	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



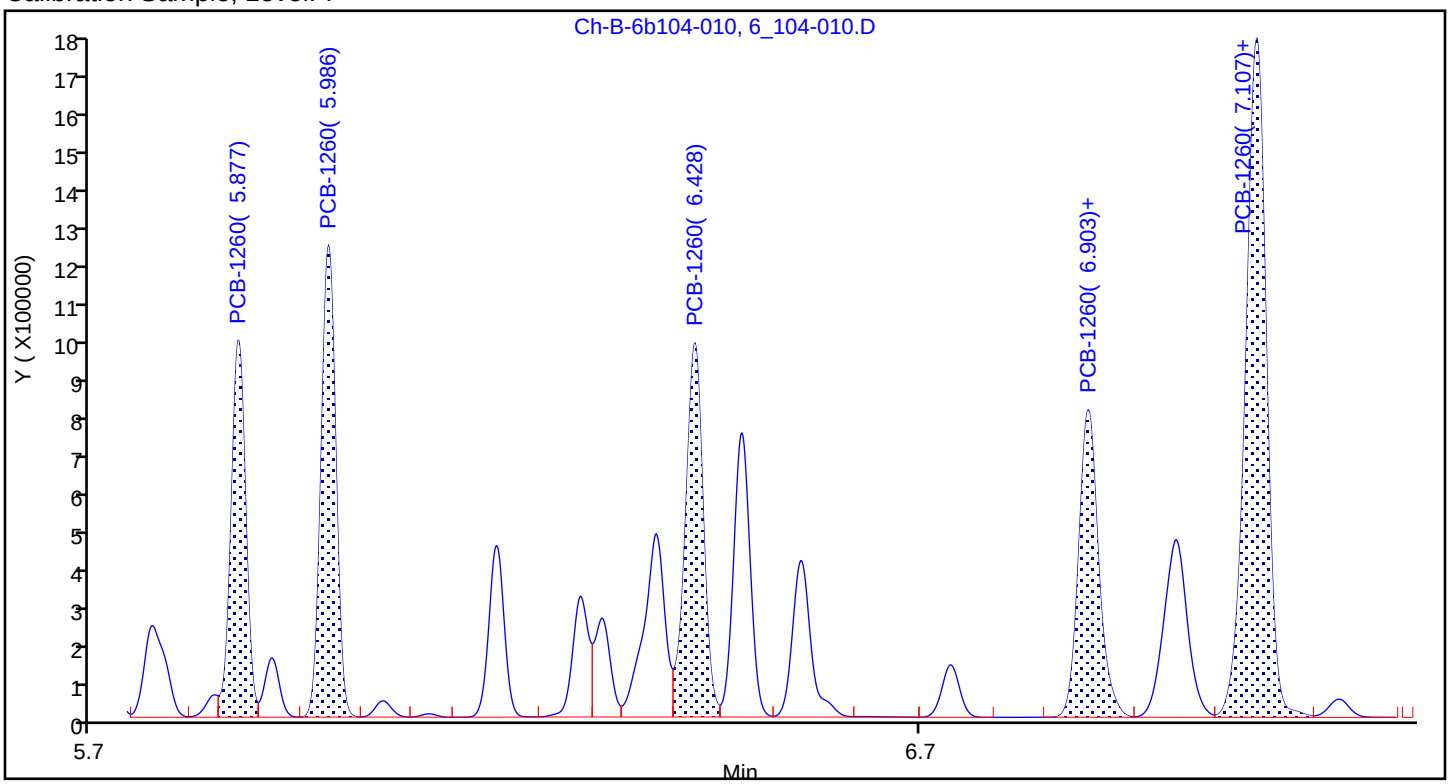
Report Date: 08-Mar-2022 10:21:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-247.D				
Injection Date:	07-Mar-2022 17:10:25	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



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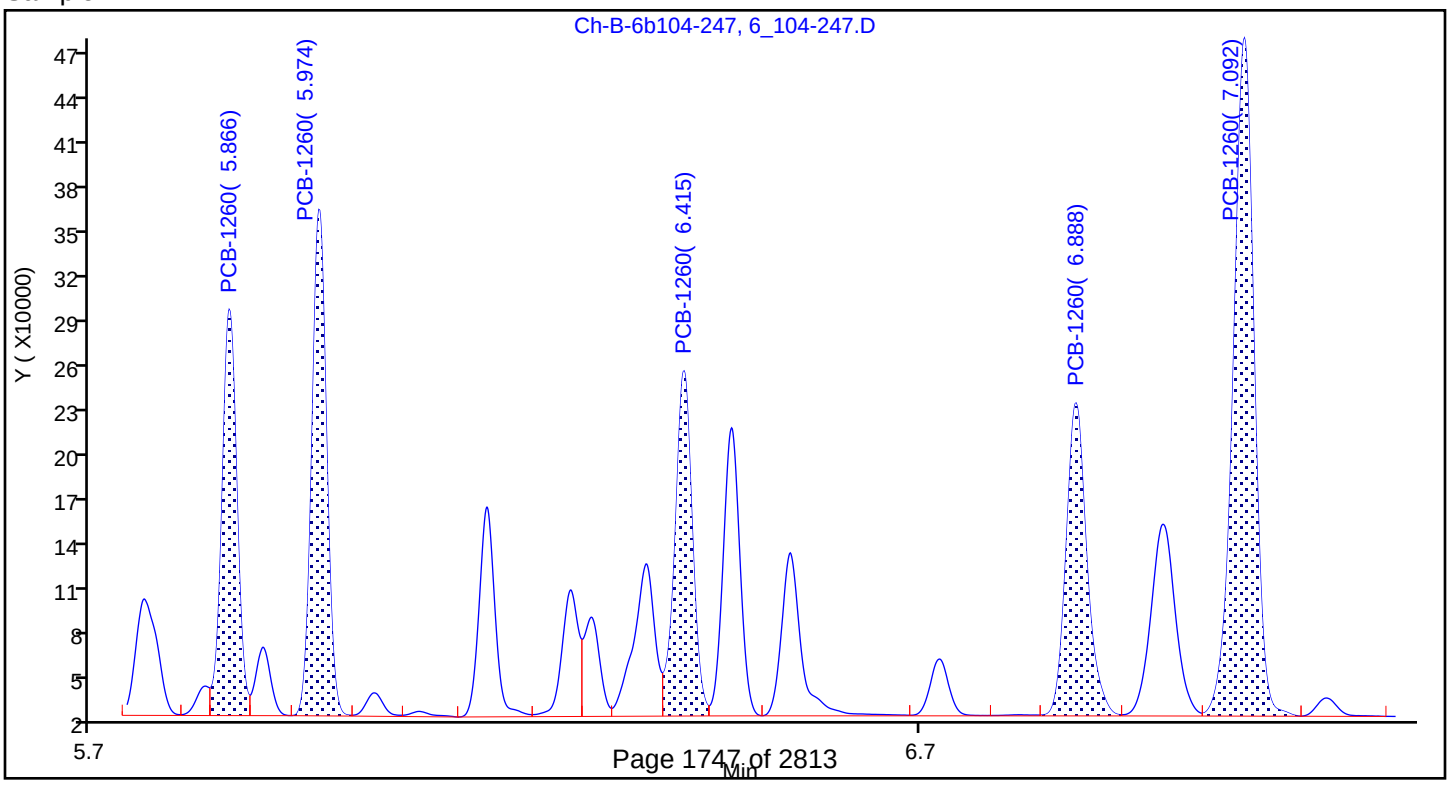


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2 MSD
Lab Sample ID: 480-195466-10 MSD
Matrix: Solid
Lab File ID: 6_104-248.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.32(g)
Date Analyzed: 03/07/2022 17:23
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	140		60-154
2051-24-3	DCB Decachlorobiphenyl	126		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D
Lims ID: 480-195466-E-10-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 07-Mar-2022 17:23:44 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:22:23 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:22:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	5398291	0.5000	0.5000	
2	2.263	2.265	-0.002	5797520	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	345582	0.0200	0.0281	
2	3.082	3.081	0.001	440027	0.0200	0.0299	
						RPD = 6.38	
6 PCB-1016							
1	3.634	3.633	0.002	184484	0.5000	0.6742	
1	4.022	4.020	0.002	432176	0.5000	0.7209	
1	4.107	4.106	0.001	268439	0.5000	0.7164	
1	4.174	4.173	0.001	167437	0.5000	0.7289	
1	4.482	4.482	0.000	180097	0.5000	0.6792	
		Average of Peak Amounts =				0.7039	
2	3.556	3.553	0.003	165643	0.5000	0.7253	
2	3.921	3.920	0.001	370981	0.5000	0.6964	
2	4.283	4.282	0.001	421971	0.5000	0.6693	
2	4.410	4.408	0.002	278805	0.5000	0.6644	
2	4.818	4.816	0.002	244860	0.5000	0.6375	
		Average of Peak Amounts =				0.6786	
						RPD = 3.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.540	5.539	0.001	355647	0.5000	0.6719	
1	5.737	5.736	0.001	362837	0.5000	0.6112	
1	6.012	6.013	0.000	498320	0.5000	0.7064	
1	6.427	6.425	0.002	319675	0.5000	0.6882	
1	6.710	6.709	0.001	842801	0.5000	0.7036	
		Average of Peak Amounts =				0.6763	
2	5.867	5.864	0.003	387671	0.5000	0.7136	
2	5.974	5.973	0.002	477447	0.5000	0.7158	
2	6.414	6.413	0.002	380742	0.5000	0.6009	
2	6.888	6.886	0.002	412609	0.5000	0.7038	
2	7.091	7.089	0.002	895152	0.5000	0.6399	
		Average of Peak Amounts =				0.6748	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	9.278	9.276	0.002	334133	0.0200	0.0251	
2	10.227	10.225	0.002	333299	0.0200	0.0251	
						RPD = 0.21	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:22:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D

Injection Date: 07-Mar-2022 17:23:44 Instrument ID: HP6890-6 Operator ID: BufTCHROM

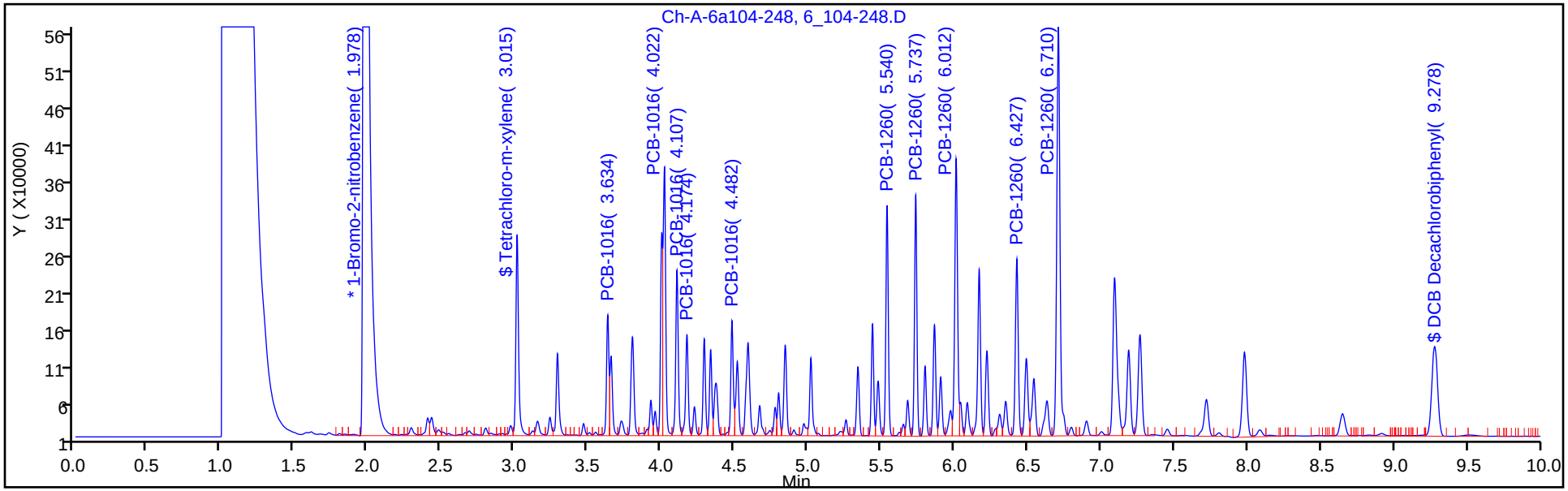
Lims ID: 480-195466-E-10-B MSD Worklist Smp#: 17

Client ID:

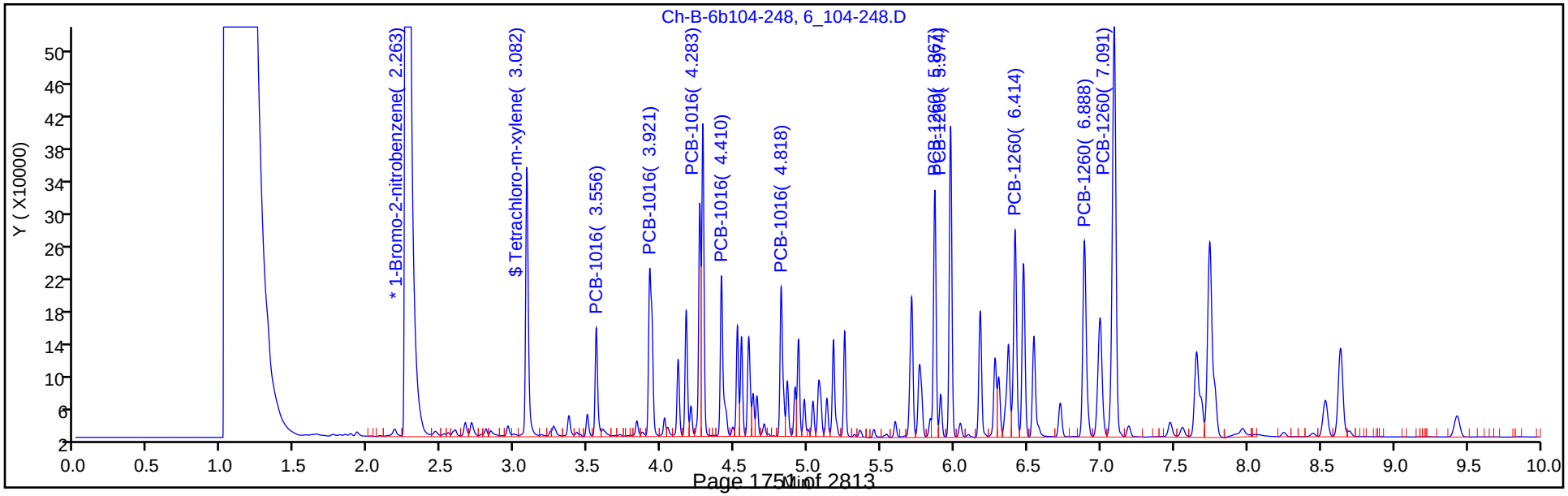
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Lims ID:	480-195466-E-10-B MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	07-Mar-2022 17:23:44	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:22:23	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:22:23

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0281	140.47
$ 15 DCB Decachlorobiphenyl	0.0200	0.0251	125.61

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0299	149.72
$ 15 DCB Decachlorobiphenyl	0.0200	0.0251	125.35

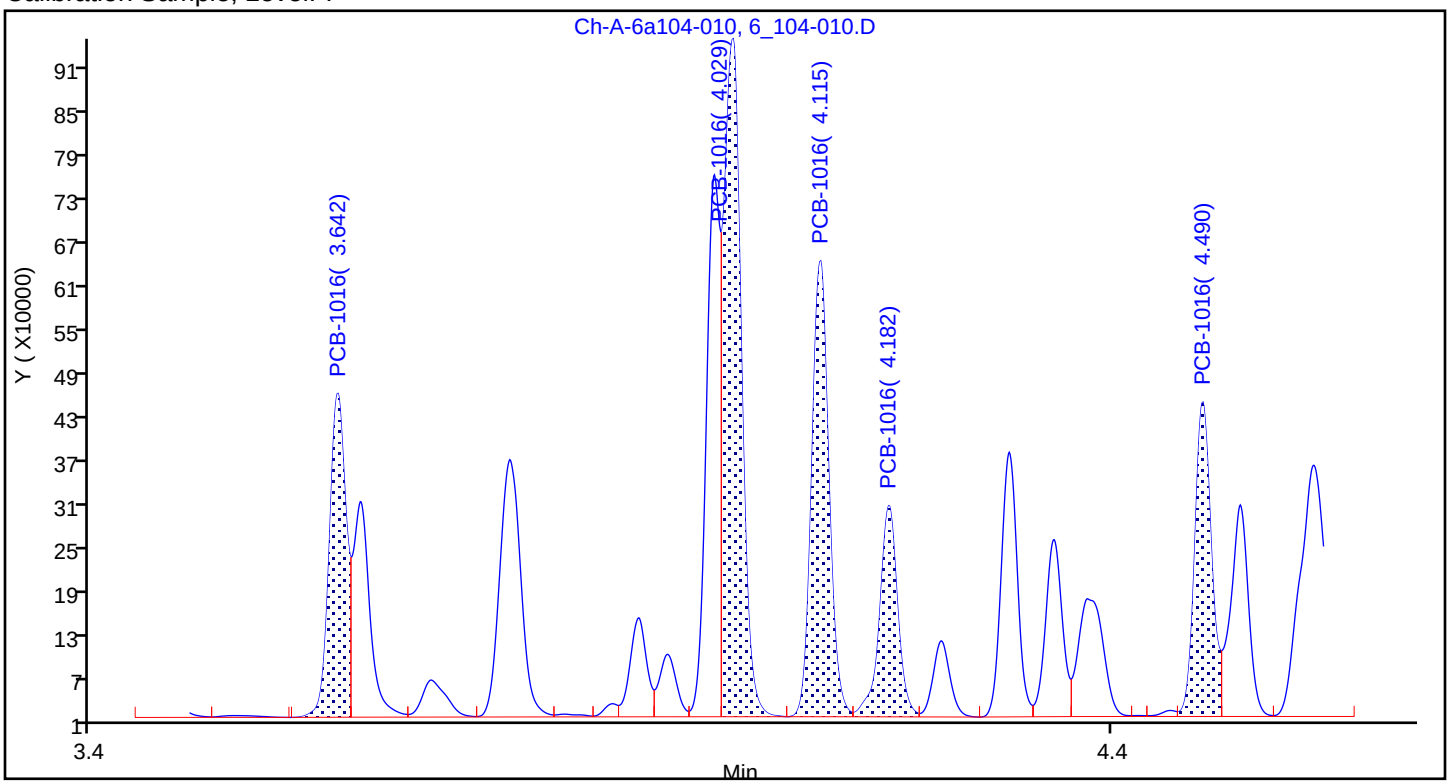
Report Date: 08-Mar-2022 10:22:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

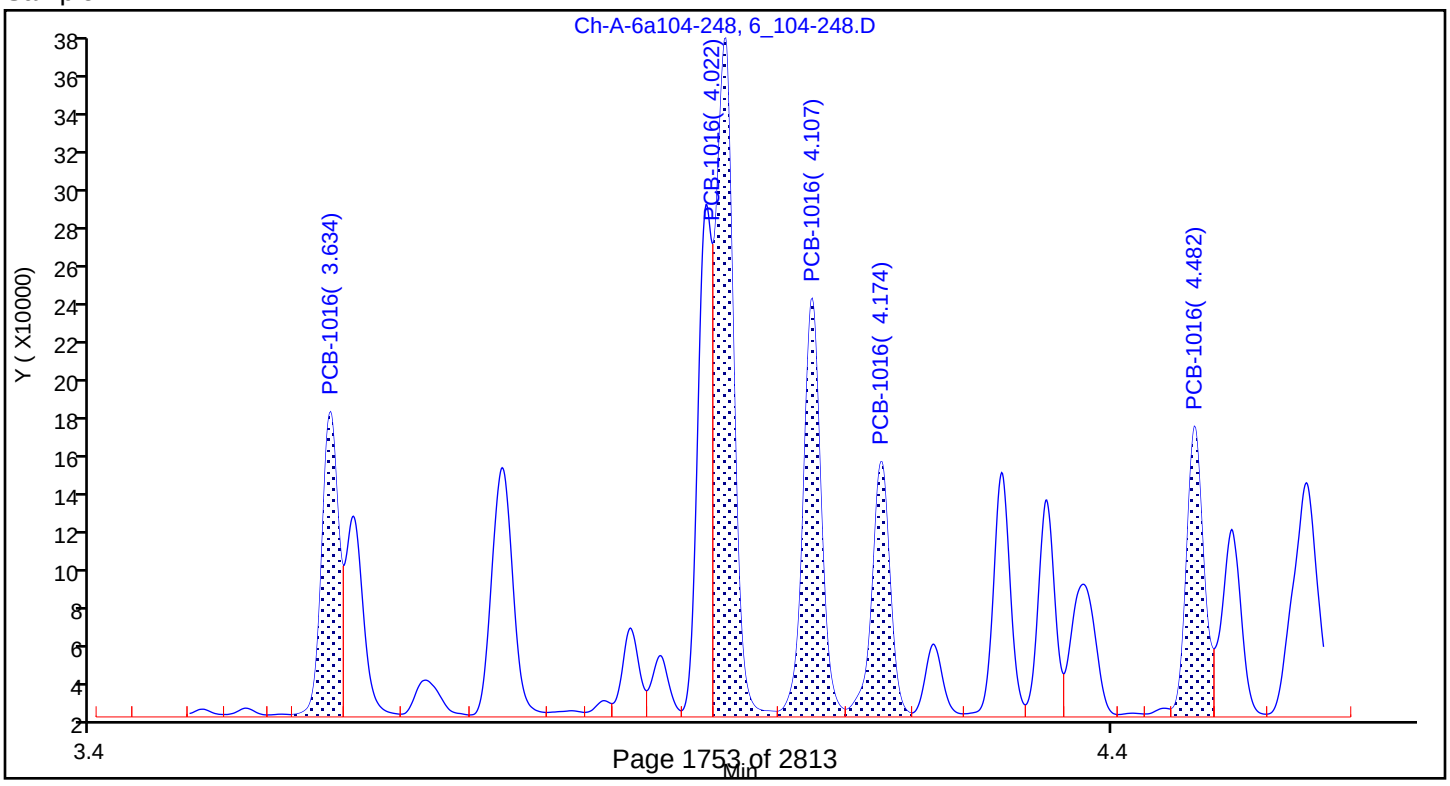
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Injection Date:	07-Mar-2022 17:23:44	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



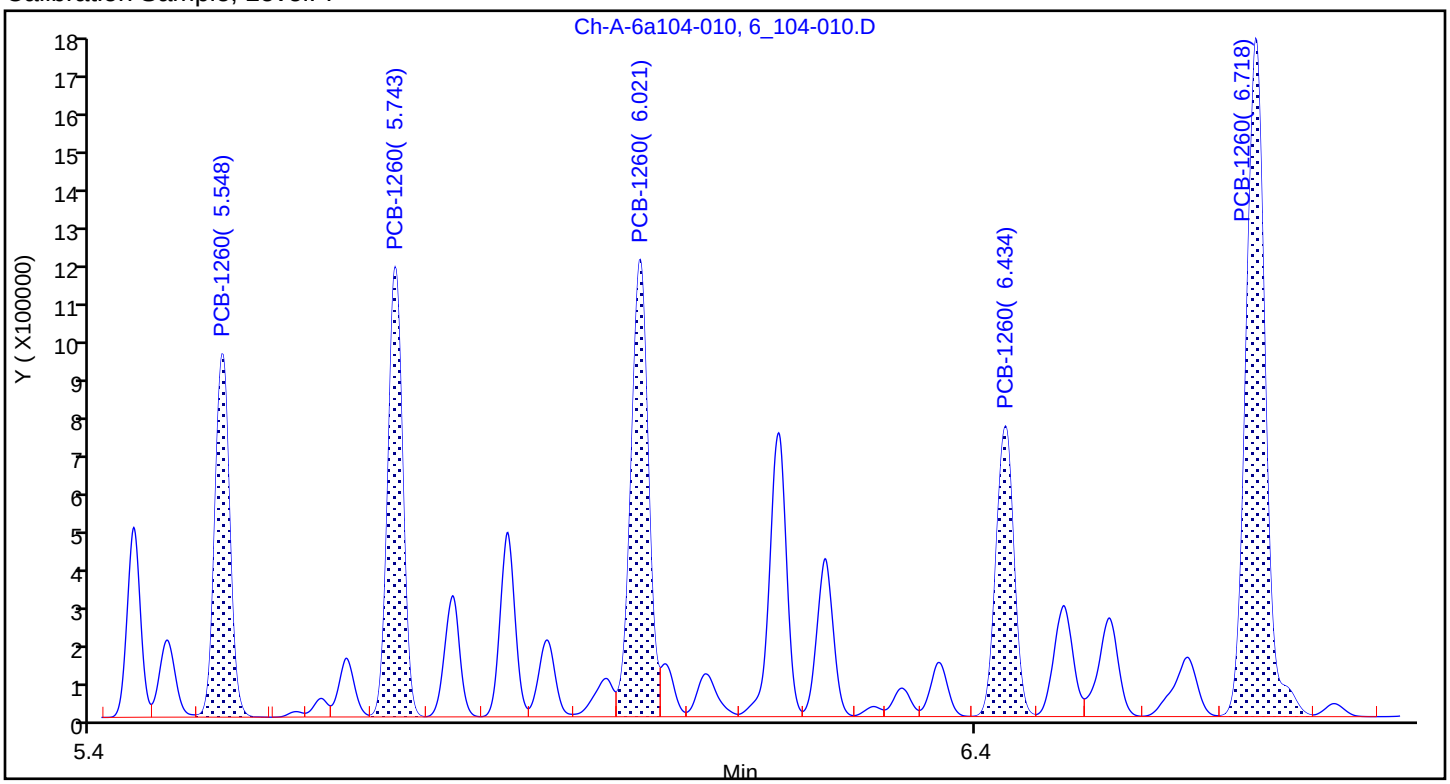
Report Date: 08-Mar-2022 10:22:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

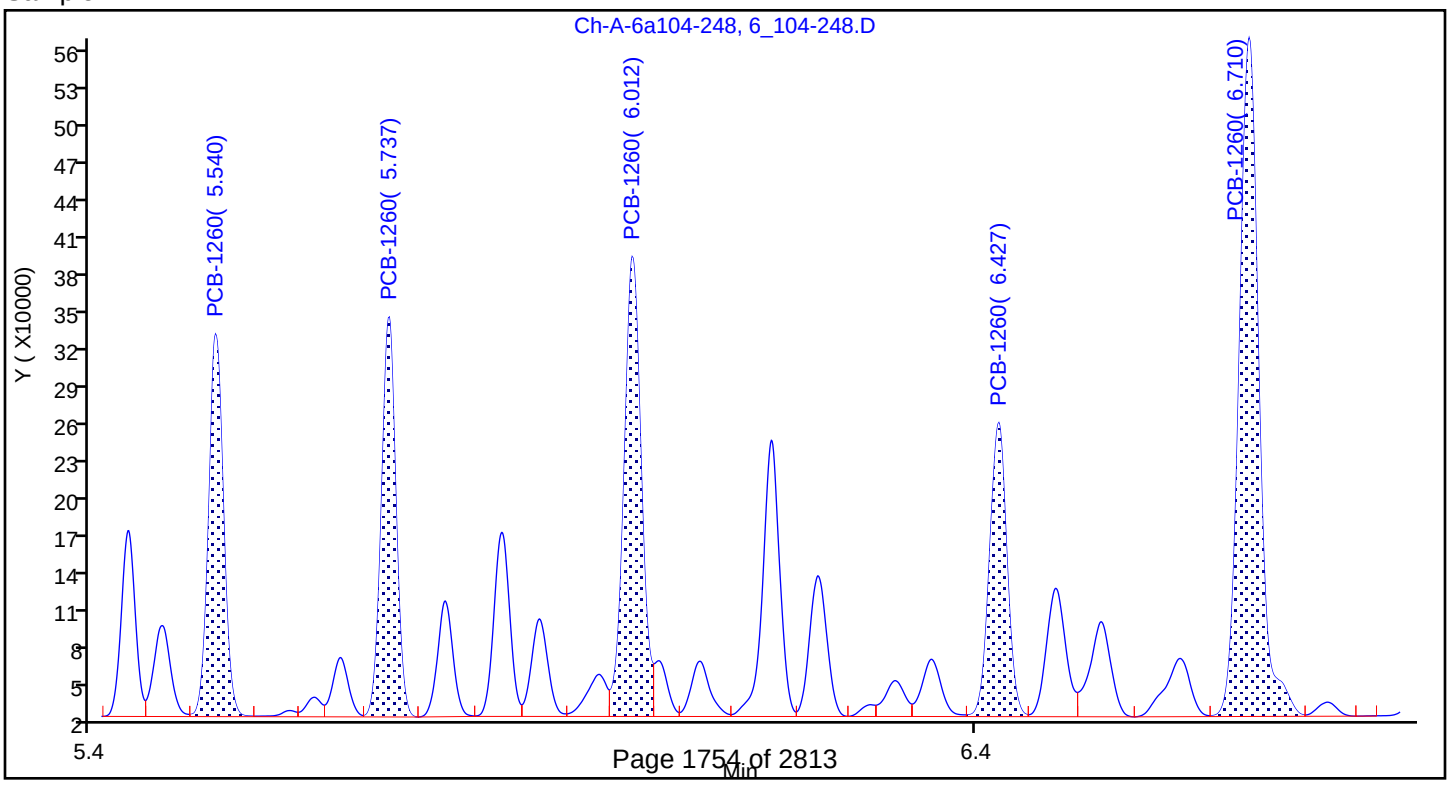
Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D
Injection Date: 07-Mar-2022 17:23:44 Instrument ID: HP6890-6
Lims ID: 480-195466-E-10-B MSD
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2 MSD
Lab Sample ID: 480-195466-10 MSD
Matrix: Solid
Lab File ID: 6_104-248.D
Analysis Method: 8082A
Date Collected: 03/02/2022 14:25
Extraction Method: 3550C
Date Extracted: 03/07/2022 07:42
Sample wt/vol: 2.32(g)
Date Analyzed: 03/07/2022 17:23
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 21.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617012
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.72		0.27	0.054
11104-28-2	PCB-1221	ND		0.27	0.054
11141-16-5	PCB-1232	ND		0.27	0.054
53469-21-9	PCB-1242	ND		0.27	0.054
12672-29-6	PCB-1248	ND		0.27	0.054
11097-69-1	PCB-1254	ND		0.27	0.13
11096-82-5	PCB-1260	3.70		0.27	0.13
37324-23-5	PCB-1262	ND		0.27	0.13
11100-14-4	PCB-1268	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	150		60-154
2051-24-3	DCB Decachlorobiphenyl	125		65-174

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D
Lims ID: 480-195466-E-10-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 07-Mar-2022 17:23:44 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Mar-2022 10:22:23 Calib Date: 23-Feb-2022 22:21:41
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1647

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:22:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.978	1.982	-0.004	5398291	0.5000	0.5000	
2	2.263	2.265	-0.002	5797520	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	3.015	3.013	0.003	345582	0.0200	0.0281	
2	3.082	3.081	0.001	440027	0.0200	0.0299	
						RPD = 6.38	
6 PCB-1016							
1	3.634	3.633	0.002	184484	0.5000	0.6742	
1	4.022	4.020	0.002	432176	0.5000	0.7209	
1	4.107	4.106	0.001	268439	0.5000	0.7164	
1	4.174	4.173	0.001	167437	0.5000	0.7289	
1	4.482	4.482	0.000	180097	0.5000	0.6792	
		Average of Peak Amounts =				0.7039	
2	3.556	3.553	0.003	165643	0.5000	0.7253	
2	3.921	3.920	0.001	370981	0.5000	0.6964	
2	4.283	4.282	0.001	421971	0.5000	0.6693	
2	4.410	4.408	0.002	278805	0.5000	0.6644	
2	4.818	4.816	0.002	244860	0.5000	0.6375	
		Average of Peak Amounts =				0.6786	
						RPD = 3.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.540	5.539	0.001	355647	0.5000	0.6719	
1	5.737	5.736	0.001	362837	0.5000	0.6112	
1	6.012	6.013	0.000	498320	0.5000	0.7064	
1	6.427	6.425	0.002	319675	0.5000	0.6882	
1	6.710	6.709	0.001	842801	0.5000	0.7036	
		Average of Peak Amounts =				0.6763	
2	5.867	5.864	0.003	387671	0.5000	0.7136	
2	5.974	5.973	0.002	477447	0.5000	0.7158	
2	6.414	6.413	0.002	380742	0.5000	0.6009	
2	6.888	6.886	0.002	412609	0.5000	0.7038	
2	7.091	7.089	0.002	895152	0.5000	0.6399	
		Average of Peak Amounts =				0.6748	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	9.278	9.276	0.002	334133	0.0200	0.0251	
2	10.227	10.225	0.002	333299	0.0200	0.0251	
						RPD = 0.21	

QC Flag Legend

Processing Flags

Reagents:

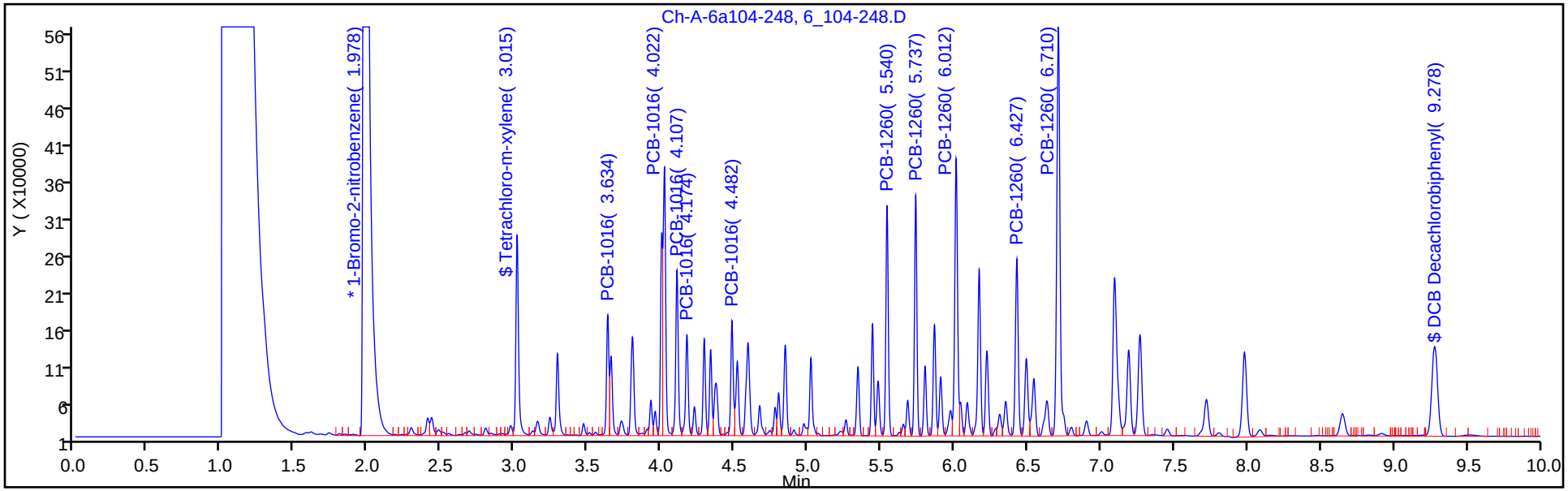
PCB IS 1B2NB_00083 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:22:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

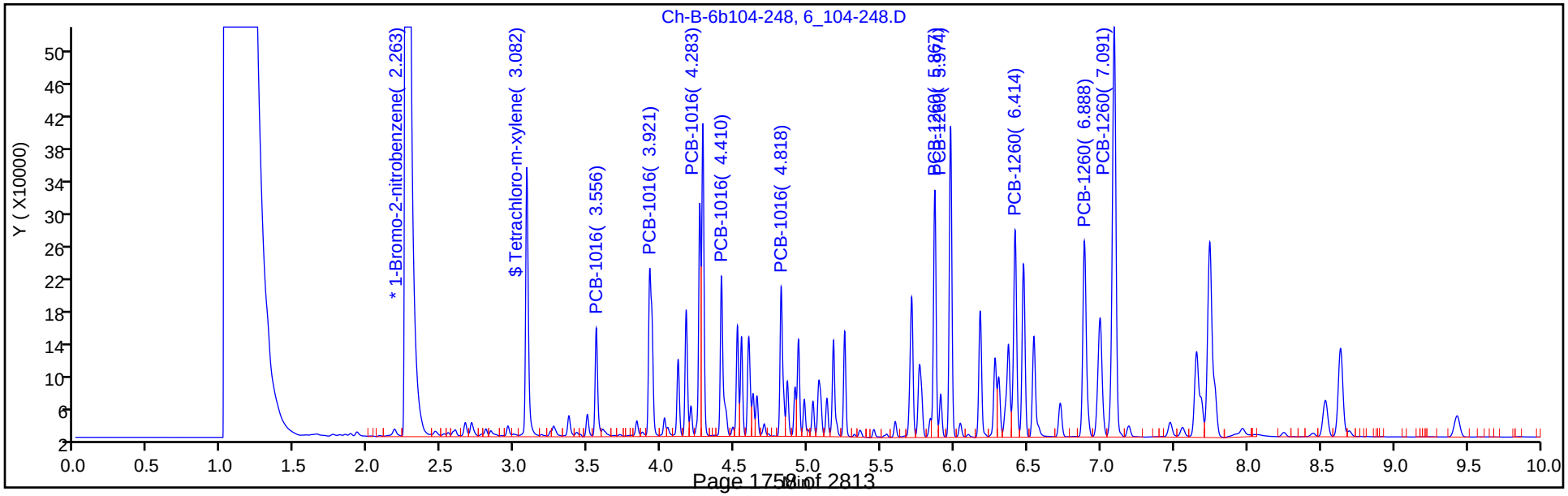
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Injection Date:	07-Mar-2022 17:23:44	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-195466-E-10-B MSD			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Lims ID:	480-195466-E-10-B MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	07-Mar-2022 17:23:44	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	08-Mar-2022 10:22:23	Calib Date:	23-Feb-2022 22:21:41		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220223-104072.b\6_104-030.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	CTX1647				

First Level Reviewer: chumongkolratn Date: 08-Mar-2022 10:22:23

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0281	140.47
$ 15 DCB Decachlorobiphenyl	0.0200	0.0251	125.61

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0299	149.72
$ 15 DCB Decachlorobiphenyl	0.0200	0.0251	125.35

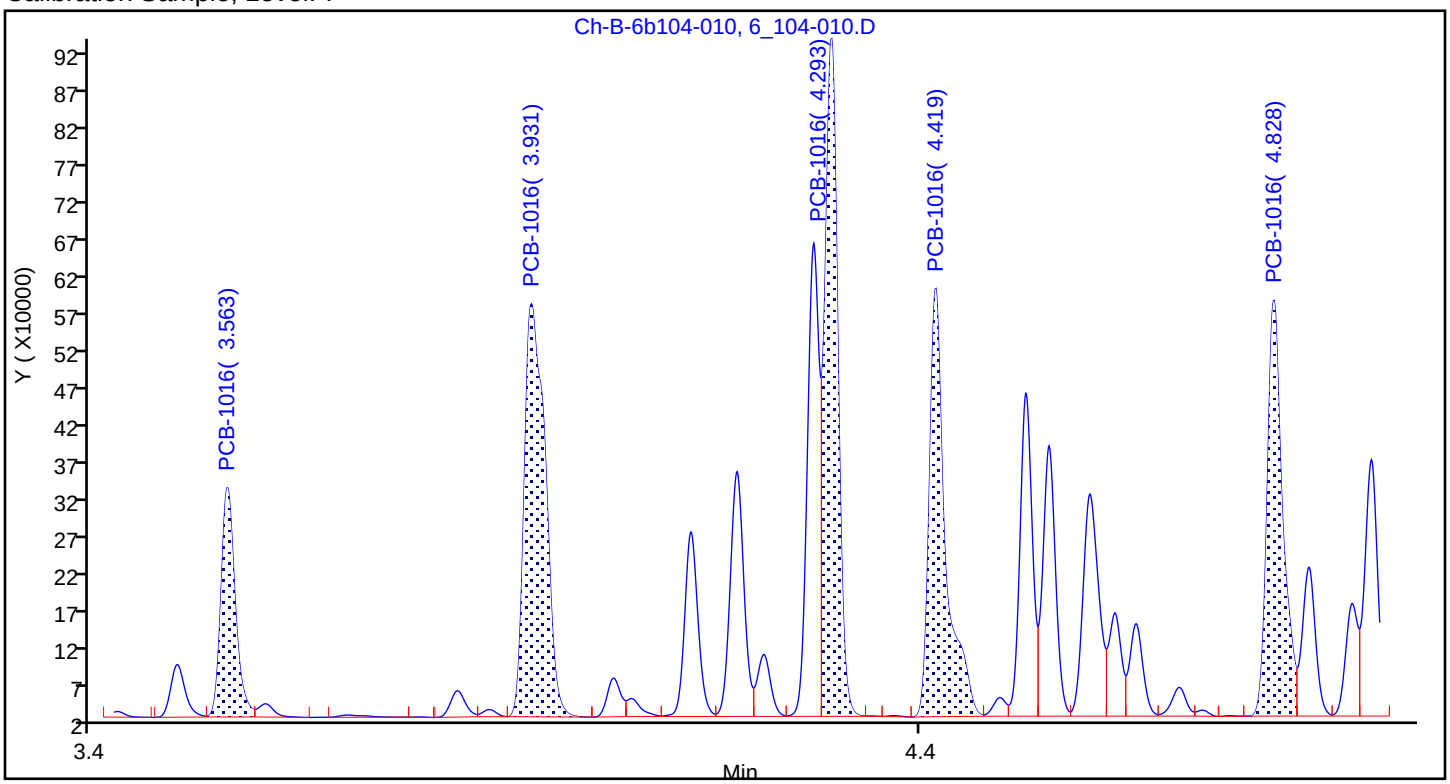
Report Date: 08-Mar-2022 10:22:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

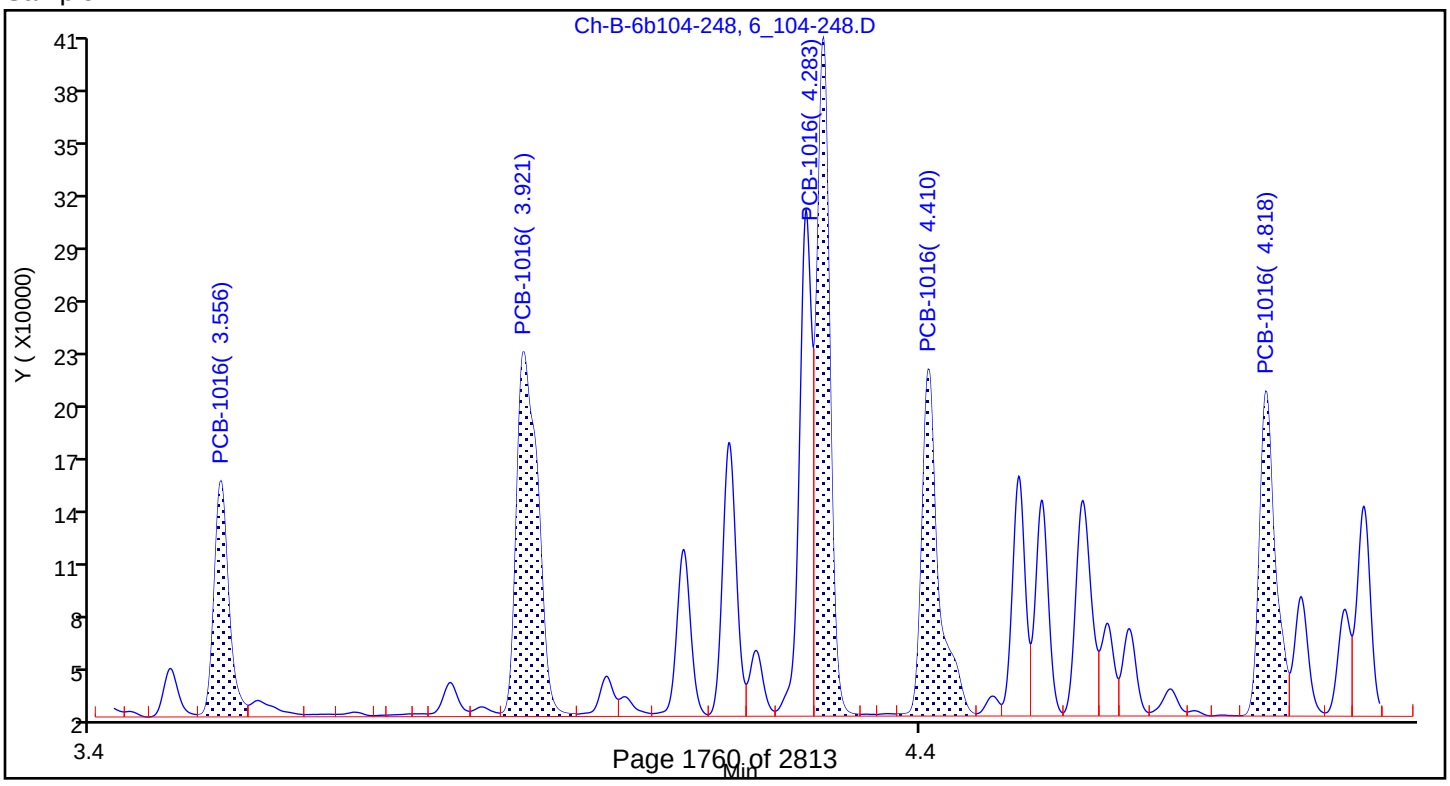
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Injection Date:	07-Mar-2022 17:23:44	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



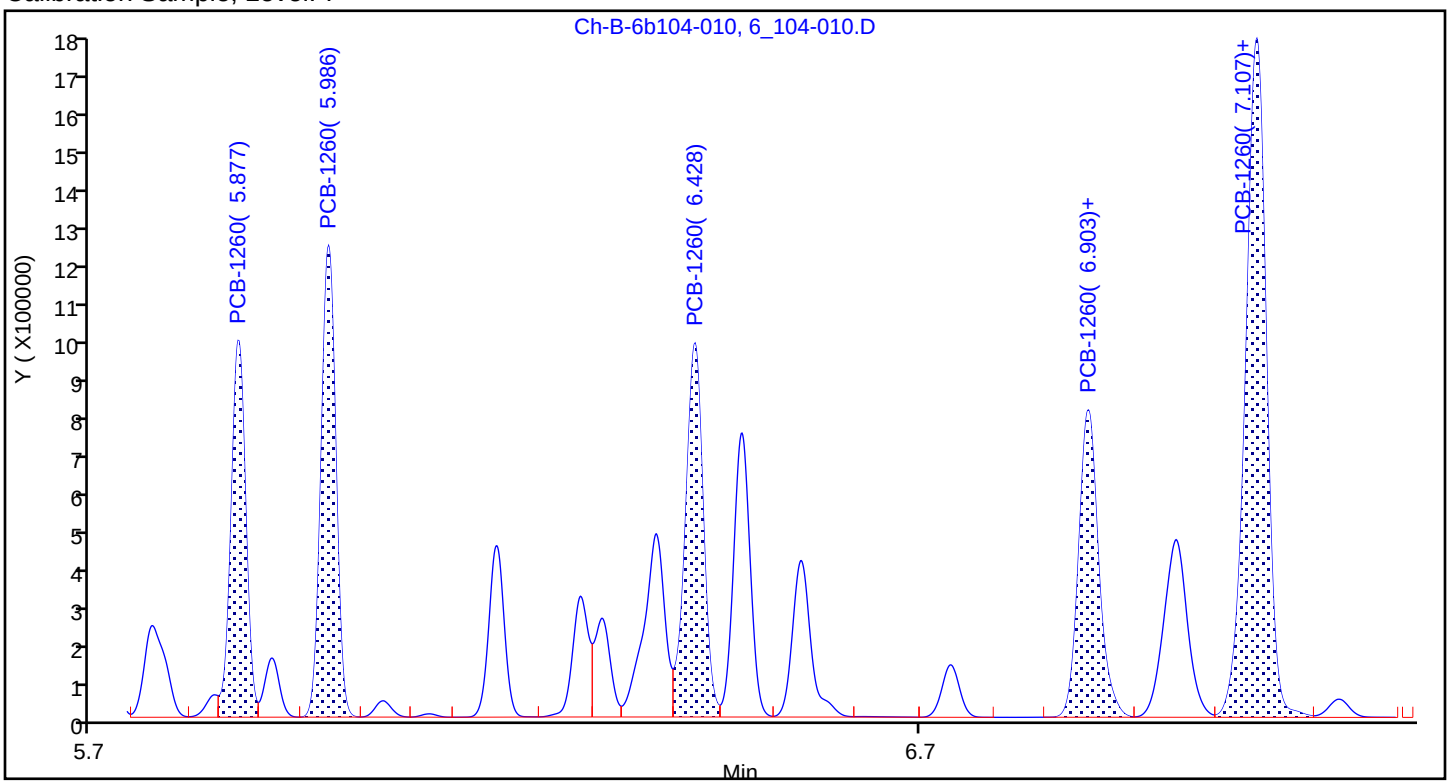
Report Date: 08-Mar-2022 10:22:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

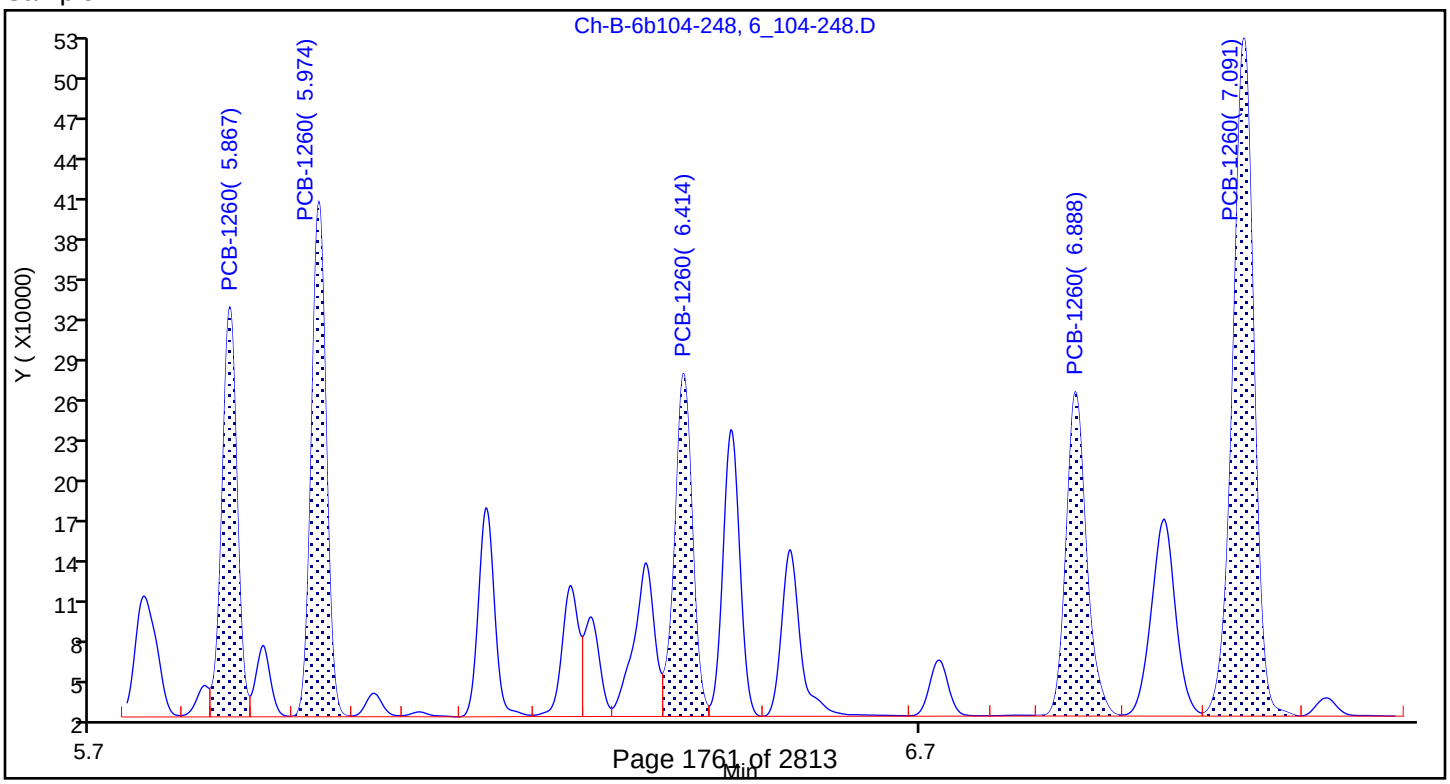
Data File:	\\chromfs\Buffalo\ChromData\HP6890-06\20220307-104247.b\6_104-248.D				
Injection Date:	07-Mar-2022 17:23:44	Instrument ID:	HP6890-6		
Lims ID:	480-195466-E-10-B MSD				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 02/23/2022 16:36

Analysis Batch Number: 615857 End Date: 02/23/2022 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-615857/4		02/23/2022 16:36	1	6_104-004.D	ZB-5 0.53(mm)
IC 480-615857/4		02/23/2022 16:36	1	6_104-004.D	ZB-35 0.53(mm)
IC 480-615857/5		02/23/2022 16:49	1	6_104-005.D	ZB-5 0.53(mm)
IC 480-615857/5		02/23/2022 16:49	1	6_104-005.D	ZB-35 0.53(mm)
IC 480-615857/6		02/23/2022 17:03	1	6_104-006.D	ZB-5 0.53(mm)
IC 480-615857/6		02/23/2022 17:03	1	6_104-006.D	ZB-35 0.53(mm)
IC 480-615857/7		02/23/2022 17:16	1	6_104-007.D	ZB-5 0.53(mm)
IC 480-615857/7		02/23/2022 17:16	1	6_104-007.D	ZB-35 0.53(mm)
ICIS 480-615857/8		02/23/2022 17:29	1	6_104-008.D	ZB-5 0.53(mm)
ICIS 480-615857/8		02/23/2022 17:29	1	6_104-008.D	ZB-35 0.53(mm)
IC 480-615857/9		02/23/2022 17:42	1	6_104-009.D	ZB-5 0.53(mm)
IC 480-615857/9		02/23/2022 17:42	1	6_104-009.D	ZB-35 0.53(mm)
IC 480-615857/10		02/23/2022 17:56	1	6_104-010.D	ZB-5 0.53(mm)
IC 480-615857/10		02/23/2022 17:56	1	6_104-010.D	ZB-35 0.53(mm)
ICV 480-615857/11		02/23/2022 18:09	1	6_104-011.D	ZB-5 0.53(mm)
ICV 480-615857/11		02/23/2022 18:09	1	6_104-011.D	ZB-35 0.53(mm)
CCV 480-615857/12		02/23/2022 18:22	1		ZB-5 0.53(mm)
CCV 480-615857/12		02/23/2022 18:22	1		ZB-35 0.53(mm)
IC 480-615857/16		02/23/2022 19:16	1	6_104-016.D	ZB-5 0.53(mm)
IC 480-615857/16		02/23/2022 19:16	1	6_104-016.D	ZB-35 0.53(mm)
IC 480-615857/17		02/23/2022 19:29	1	6_104-017.D	ZB-5 0.53(mm)
IC 480-615857/17		02/23/2022 19:29	1	6_104-017.D	ZB-35 0.53(mm)
IC 480-615857/18		02/23/2022 19:42	1	6_104-018.D	ZB-5 0.53(mm)
IC 480-615857/18		02/23/2022 19:42	1	6_104-018.D	ZB-35 0.53(mm)
ICV 480-615857/19		02/23/2022 19:55	1	6_104-019.D	ZB-5 0.53(mm)
ICV 480-615857/19		02/23/2022 19:55	1	6_104-019.D	ZB-35 0.53(mm)
IC 480-615857/20		02/23/2022 20:08	1	6_104-020.D	ZB-5 0.53(mm)
IC 480-615857/20		02/23/2022 20:08	1	6_104-020.D	ZB-35 0.53(mm)
IC 480-615857/21		02/23/2022 20:22	1	6_104-021.D	ZB-5 0.53(mm)
IC 480-615857/21		02/23/2022 20:22	1	6_104-021.D	ZB-35 0.53(mm)
IC 480-615857/22		02/23/2022 20:35	1	6_104-022.D	ZB-5 0.53(mm)
IC 480-615857/22		02/23/2022 20:35	1	6_104-022.D	ZB-35 0.53(mm)
ICV 480-615857/23		02/23/2022 20:48	1	6_104-023.D	ZB-5 0.53(mm)
ICV 480-615857/23		02/23/2022 20:48	1	6_104-023.D	ZB-35 0.53(mm)
IC 480-615857/24		02/23/2022 21:02	1	6_104-024.D	ZB-5 0.53(mm)
IC 480-615857/24		02/23/2022 21:02	1	6_104-024.D	ZB-35 0.53(mm)
IC 480-615857/25		02/23/2022 21:15	1	6_104-025.D	ZB-5 0.53(mm)
IC 480-615857/25		02/23/2022 21:15	1	6_104-025.D	ZB-35 0.53(mm)
IC 480-615857/26		02/23/2022 21:28	1	6_104-026.D	ZB-5 0.53(mm)
IC 480-615857/26		02/23/2022 21:28	1	6_104-026.D	ZB-35 0.53(mm)
ICV 480-615857/27		02/23/2022 21:41	1	6_104-027.D	ZB-5 0.53(mm)
ICV 480-615857/27		02/23/2022 21:41	1	6_104-027.D	ZB-35 0.53(mm)
IC 480-615857/28		02/23/2022 21:55	1	6_104-028.D	ZB-5 0.53(mm)
IC 480-615857/28		02/23/2022 21:55	1	6_104-028.D	ZB-35 0.53(mm)
IC 480-615857/29		02/23/2022 22:08	1	6_104-029.D	ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 02/23/2022 16:36

Analysis Batch Number: 615857 End Date: 02/23/2022 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-615857/29		02/23/2022 22:08	1	6_104-029.D	ZB-35 0.53(mm)
IC 480-615857/30		02/23/2022 22:21	1	6_104-030.D	ZB-5 0.53(mm)
IC 480-615857/30		02/23/2022 22:21	1	6_104-030.D	ZB-35 0.53(mm)
ICV 480-615857/31		02/23/2022 22:35	1	6_104-031.D	ZB-5 0.53(mm)
ICV 480-615857/31		02/23/2022 22:35	1	6_104-031.D	ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 03/07/2022 14:44

Analysis Batch Number: 617012 End Date: 03/07/2022 19:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-617012/5		03/07/2022 14:44	1	6_104-236.D	ZB-5 0.53(mm)
CCVIS 480-617012/5		03/07/2022 14:44	1	6_104-236.D	ZB-35 0.53(mm)
CCV 480-617012/6		03/07/2022 14:57	1	6_104-237.D	ZB-5 0.53(mm)
CCV 480-617012/6		03/07/2022 14:57	1	6_104-237.D	ZB-35 0.53(mm)
CCV 480-617012/7		03/07/2022 15:10	1	6_104-238.D	ZB-5 0.53(mm)
CCV 480-617012/7		03/07/2022 15:10	1	6_104-238.D	ZB-35 0.53(mm)
CCV 480-617012/8		03/07/2022 15:24	1	6_104-239.D	ZB-5 0.53(mm)
CCV 480-617012/8		03/07/2022 15:24	1	6_104-239.D	ZB-35 0.53(mm)
CCV 480-617012/9		03/07/2022 15:37	1	6_104-240.D	ZB-5 0.53(mm)
CCV 480-617012/9		03/07/2022 15:37	1	6_104-240.D	ZB-35 0.53(mm)
CCV 480-617012/12		03/07/2022 16:17	1	6_104-243.D	ZB-5 0.53(mm)
CCV 480-617012/12		03/07/2022 16:17	1	6_104-243.D	ZB-35 0.53(mm)
MB 480-616931/1-A		03/07/2022 16:43	1	6_104-245.D	ZB-5 0.53(mm)
MB 480-616931/1-A		03/07/2022 16:43	1	6_104-245.D	ZB-35 0.53(mm)
LCS 480-616931/2-A		03/07/2022 16:57	1	6_104-246.D	ZB-5 0.53(mm)
LCS 480-616931/2-A		03/07/2022 16:57	1	6_104-246.D	ZB-35 0.53(mm)
480-195466-10 MS	LF2 MS	03/07/2022 17:10	1	6_104-247.D	ZB-5 0.53(mm)
480-195466-10 MS	LF2 MS	03/07/2022 17:10	1	6_104-247.D	ZB-35 0.53(mm)
480-195466-10 MSD	LF2 MSD	03/07/2022 17:23	1	6_104-248.D	ZB-5 0.53(mm)
480-195466-10 MSD	LF2 MSD	03/07/2022 17:23	1	6_104-248.D	ZB-35 0.53(mm)
480-195466-10	LF2	03/07/2022 17:37	1	6_104-249.D	ZB-5 0.53(mm)
480-195466-10	LF2	03/07/2022 17:37	1	6_104-249.D	ZB-35 0.53(mm)
ZZZZZ		03/07/2022 17:50	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 17:50	1		ZB-35 0.53(mm)
480-195466-9	LF1	03/07/2022 18:03	1	6_104-251.D	ZB-5 0.53(mm)
480-195466-9	LF1	03/07/2022 18:03	1	6_104-251.D	ZB-35 0.53(mm)
ZZZZZ		03/07/2022 18:17	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 18:17	1		ZB-35 0.53(mm)
ZZZZZ		03/07/2022 18:30	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 18:30	1		ZB-35 0.53(mm)
ZZZZZ		03/07/2022 18:43	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 18:43	1		ZB-35 0.53(mm)
ZZZZZ		03/07/2022 18:56	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 18:56	1		ZB-35 0.53(mm)
ZZZZZ		03/07/2022 19:10	1		ZB-5 0.53(mm)
ZZZZZ		03/07/2022 19:10	1		ZB-35 0.53(mm)

8082A

PCBS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616931 Batch Start Date: 03/07/22 07:40 Batch Analyst: Fani, Viola X

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8081/82surr 00153	O_8082spike 00087		
MB 480-616931/1		3550C, 8082A		2.08 g	10 mL	1 mL			
LCS 480-616931/2		3550C, 8082A		2.44 g	10 mL	1 mL	1 mL		
480-195466-E-10 MS	LF2	3550C, 8082A	T	2.18 g	10 mL	1 mL	1 mL		
480-195466-E-10 MSD	LF2	3550C, 8082A	T	2.32 g	10 mL	1 mL	1 mL		
480-195466-E-10	LF2	3550C, 8082A	T	2.24 g	10 mL	1 mL			
480-195466-F-9	LF1	3550C, 8082A	T	2.76 g	10 mL	1 mL			

Batch Notes	
Method/Fraction	3550C_PCB_1YR-8082A
Analyst ID - Extraction	VF
Blank Matrix ID	A21716, Gauze
Analyst ID - Spike Analyst	VF
Analyst ID - Spike Witness Analyst	VF
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	6832967
Na2SO4 ID	6867356
Vial Lot Number	1736311171
Analyst ID - Clean Up	VF 03/07/22
Acid used for Clean Up ID	6855402
Copper ID	6806067

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 Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
LF1	480-195466-9	51	60
LF2	480-195466-10	65	85
	MB 480-617097/1-A	83	69
	LB 480-616935/1-C	57	66
	LCS 480-617097/2-A	52	56
	LCSD 480-617097/3-A	86	83

QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid 48-132

Column to be used to flag recovery values

FORM II 8151

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 13_49-330.D

Lab ID: LCS 480-617097/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Silvex (2,4,5-TP)	0.00200	0.00115	57	49-150	
2,4-D	0.00200	0.00125	63	36-150	

Column to be used to flag recovery and RPD values

FORM III 8151

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 13_49-331.D

Lab ID: LCSD 480-617097/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Silvex (2,4,5-TP)	0.00200	0.00165	82	36	50	49-150	
2,4-D	0.00200	0.00159	80	24	50	36-150	

Column to be used to flag recovery and RPD values

FORM III 8151

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: MB 480-617097/1-A

Matrix: Water Date Extracted: 03/08/2022 09:52

Lab File ID:(1) 13_49-329.D Lab File ID:(2) 13_49-329.D

Date Analyzed:(1) 03/09/2022 15:31 Date Analyzed:(2) 03/09/2022 15:31

Instrument ID:(1) HP5890-13 Instrument ID:(2) HP5890-13

GC Column:(1) RTX-CLPI ID: 0.53(mm) GC Column:(2) RTX-CLPII 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 480-617097/2-A	03/09/2022 16:00	03/09/2022 16:00
	LCSD 480-617097/3-A	03/09/2022 16:30	03/09/2022 16:30
	LB 480-616935/1-C	03/09/2022 17:00	03/09/2022 17:00
LF1	480-195466-9	03/09/2022 17:59	03/09/2022 17:59
LF2	480-195466-10	03/09/2022 18:28	03/09/2022 18:28

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-617097/2-A

Instrument ID (1): HP5890-13 Instrument ID (2): HP5890-13

Date Analyzed (1): 03/09/2022 16:00 Date Analyzed (2): 03/09/2022 16:00

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		13.59	13.56	13.62	0.00125		16.5
	2		14.87	14.85	14.91	0.00106		
Silvex (2,4,5-TP)	1		14.93	14.90	14.96	0.00115		3.4
	2		16.64	16.62	16.68	0.00119		

FORM X 8151

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-617097/3-A

Instrument ID (1): HP5890-13 Instrument ID (2): HP5890-13

Date Analyzed (1): 03/09/2022 16:30 Date Analyzed (2): 03/09/2022 16:30

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		13.59	13.56	13.62	0.00159		4.4
	2		14.87	14.85	14.91	0.00153		
Silvex (2,4,5-TP)	1		14.93	14.90	14.96	0.00165		4.9
	2		16.64	16.62	16.68	0.00173		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: 13_49-334.D
Analysis Method: 8151
Date Collected: 03/02/2022 14:15
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 17:59
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	ND		0.0020	0.00036
94-75-7	2,4-D	ND		0.0020	0.00040

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	51		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Lims ID:	480-195466-A-9-D				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 17:59:01	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				

First Level Reviewer: NearyM Date: 10-Mar-2022 06:30:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid						M
1	12.100	12.107	-0.007	299951	0.1284	
2	12.973	12.980	-0.007	388760	0.1511	M
					RPD = 16.24	

QC Flag Legend

Processing Flags

Review Flags

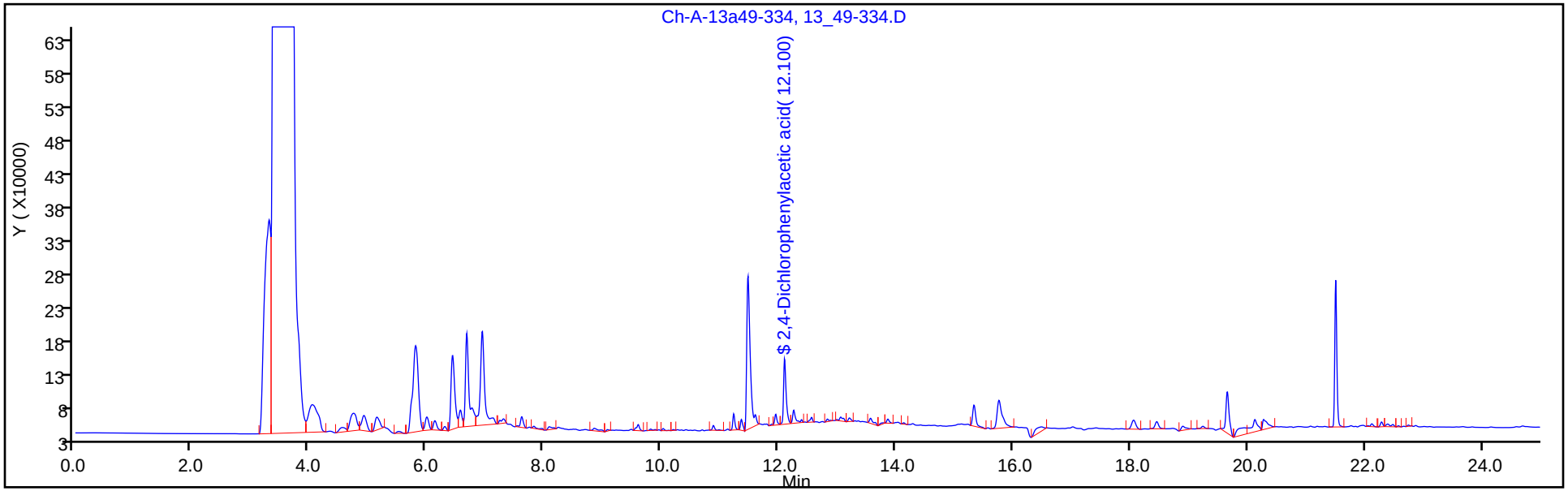
M - Manually Integrated

Report Date: 10-Mar-2022 06:35:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

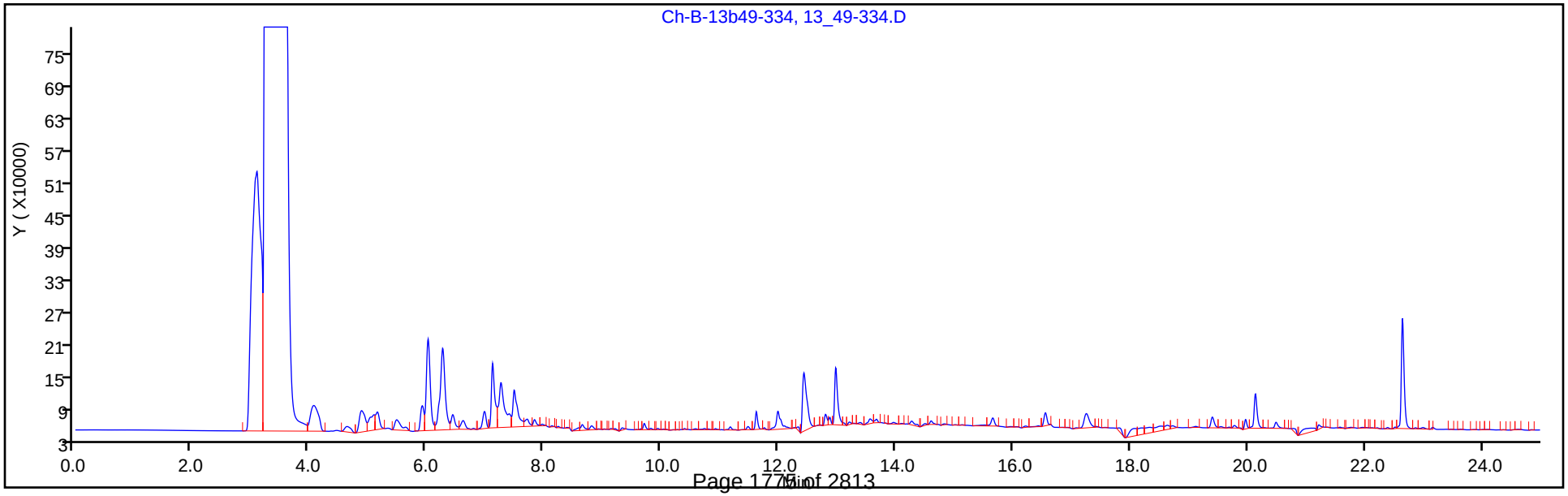
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Injection Date:	09-Mar-2022 17:59:01	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-9-D	Lab Sample ID:	480-195466-9	Worklist Smp#:	18
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Lims ID:	480-195466-A-9-D				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 17:59:01	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:41		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1284	51.36

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1511	60.44

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Matrix: Solid (TCLP)
Lab File ID: 13_49-334.D
Analysis Method: 8151
Date Collected: 03/02/2022 14:15
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 17:59
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	60		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Lims ID:	480-195466-A-9-D				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 17:59:01	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				

First Level Reviewer: NearyM Date: 10-Mar-2022 06:30:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid						M
1	12.100	12.107	-0.007	299951	0.1284	
2	12.973	12.980	-0.007	388760	0.1511	M
					RPD = 16.24	

QC Flag Legend

Processing Flags

Review Flags

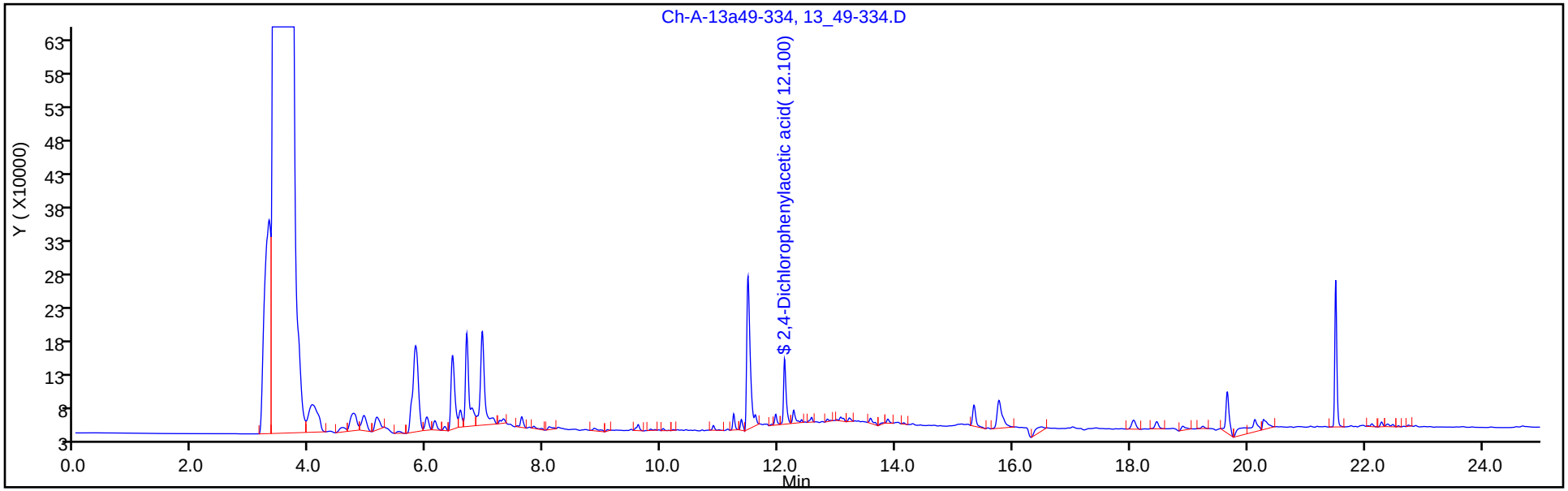
M - Manually Integrated

Report Date: 10-Mar-2022 06:35:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

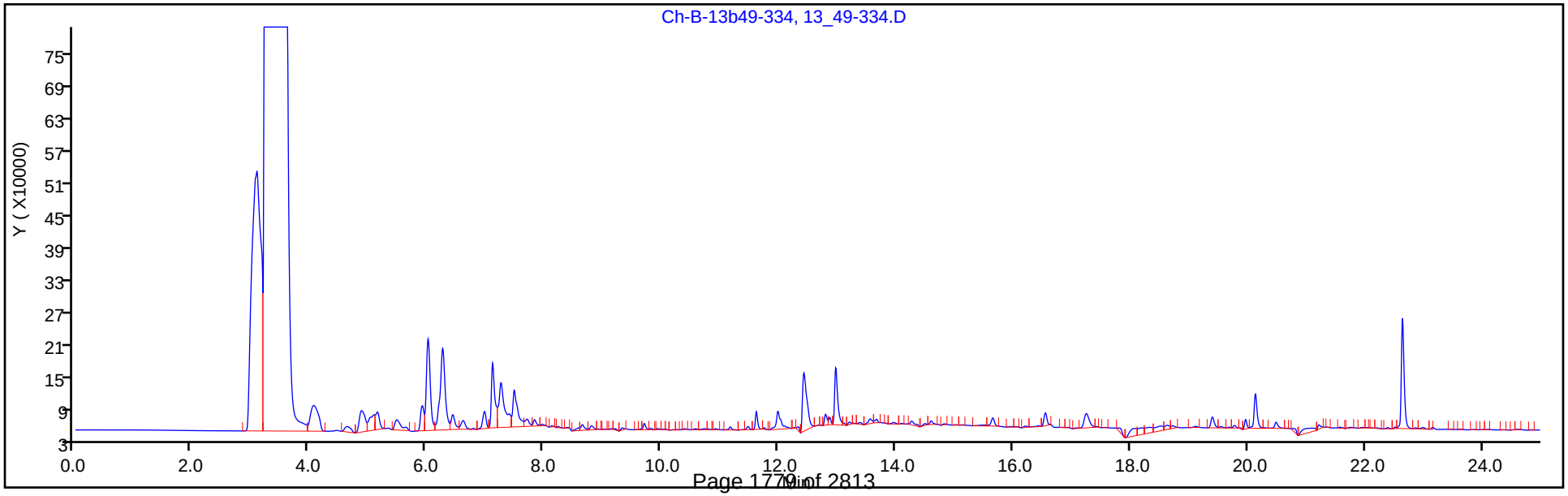
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Injection Date:	09-Mar-2022 17:59:01	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-9-D	Lab Sample ID:	480-195466-9	Worklist Smp#:	18
Client ID:	LF1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Lims ID:	480-195466-A-9-D				
Client ID:	LF1				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 17:59:01	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:41		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1284	51.36

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1511	60.44

Manual Integration/User Assign Peak Report

Eurofins Buffalo

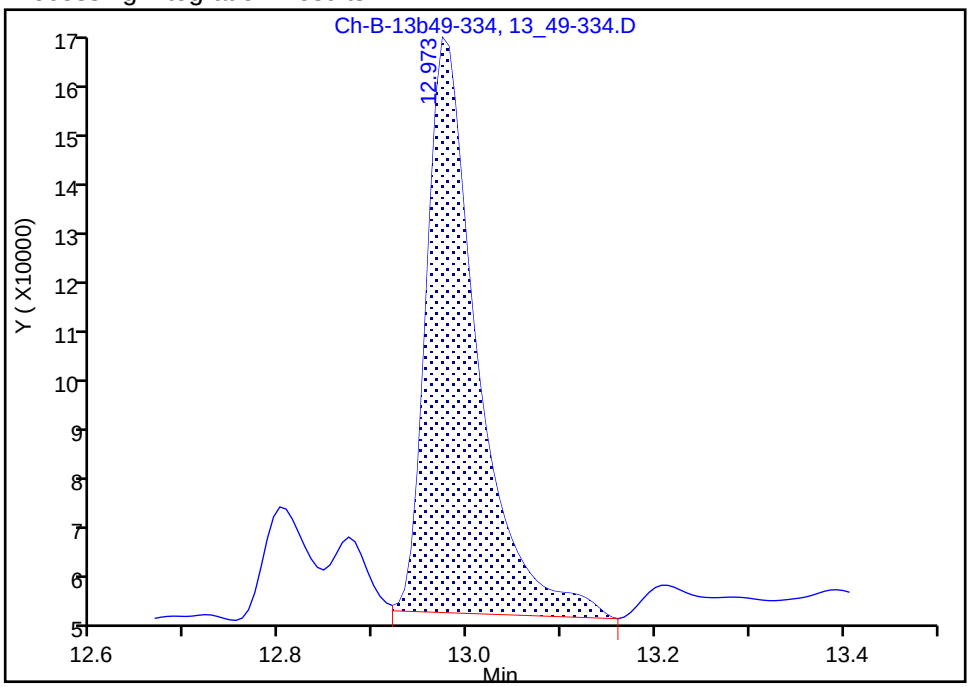
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-334.D				
Injection Date:	09-Mar-2022 17:59:01	Instrument ID:	HP5890-13		
Lims ID:	480-195466-A-9-D	Lab Sample ID:	480-195466-9		
Client ID:	LF1				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

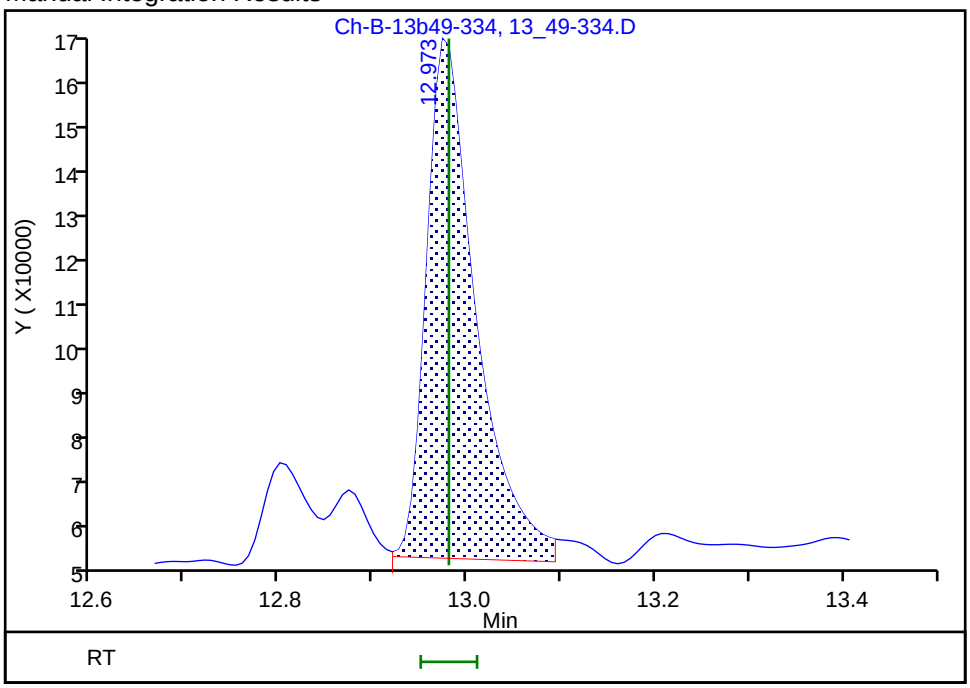
Processing Integration Results

RT: 12.97
Area: 400349
Amount: 0.155605
Amount Units: ng/ul



Manual Integration Results

RT: 12.97
Area: 388760
Amount: 0.151101
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:30:38

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid (TCLP)
Lab File ID: 13_49-335.D
Analysis Method: 8151
Date Collected: 03/02/2022 14:25
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 18:28
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	ND		0.0020	0.00036
94-75-7	2,4-D	ND		0.0020	0.00040

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	65		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Lims ID:	480-195466-A-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 18:28:43	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				

First Level Reviewer: NearyM Date: 10-Mar-2022 06:31:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid						M
1	12.100	12.107	-0.007	380769	0.1630	
2	12.973	12.980	-0.007	548010	0.2130	M
					RPD = 26.59	

QC Flag Legend

Processing Flags

Review Flags

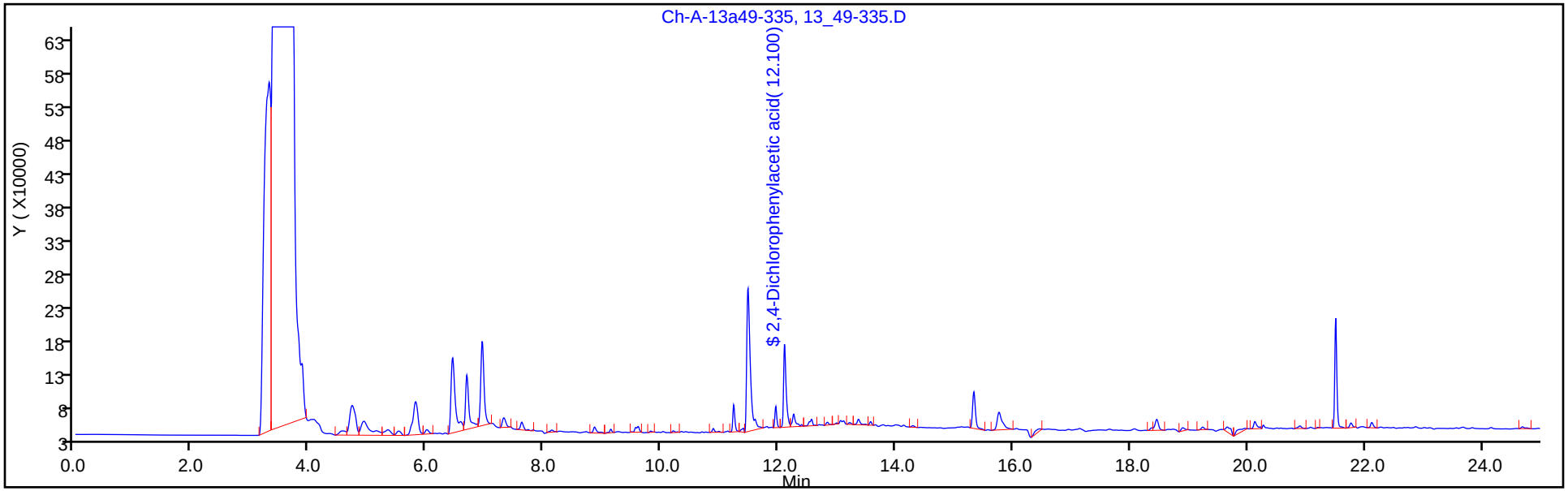
M - Manually Integrated

Report Date: 10-Mar-2022 06:35:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

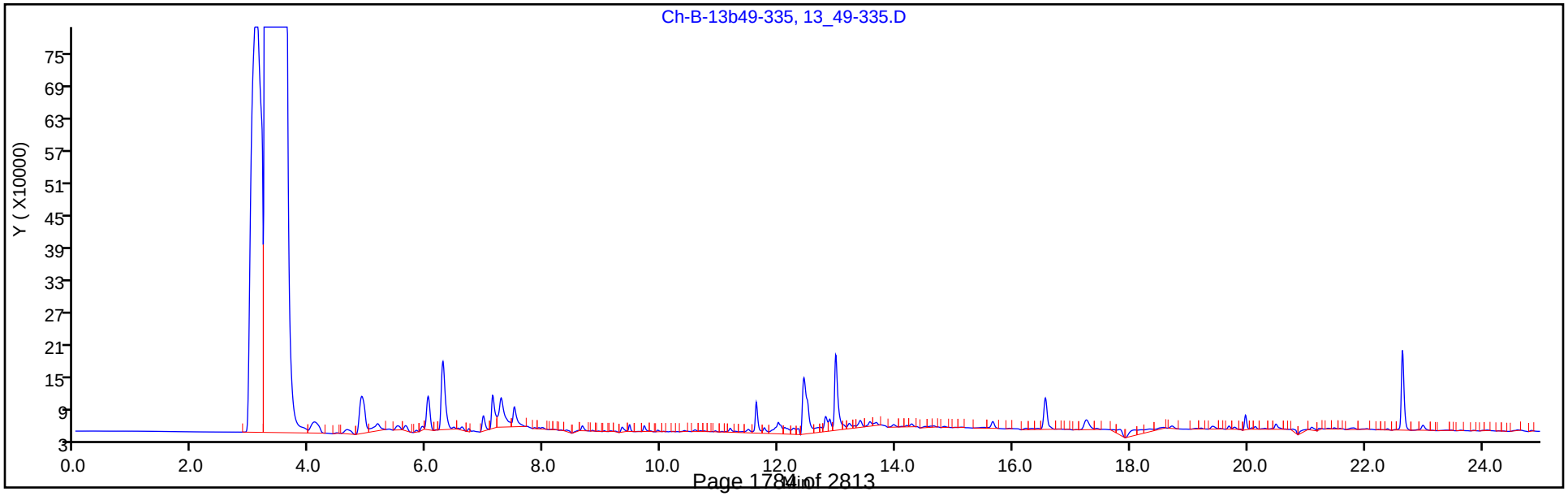
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Injection Date:	09-Mar-2022 18:28:43	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-10-D	Lab Sample ID:	480-195466-10	Worklist Smp#:	19
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Lims ID:	480-195466-A-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 18:28:43	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:31:03		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1630	65.20

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2130	85.20

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Matrix: Solid (TCLP)
Lab File ID: 13_49-335.D
Analysis Method: 8151
Date Collected: 03/02/2022 14:25
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 18:28
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	85		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Lims ID:	480-195466-A-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 18:28:43	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				

First Level Reviewer: NearyM Date: 10-Mar-2022 06:31:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid						M
1	12.100	12.107	-0.007	380769	0.1630	
2	12.973	12.980	-0.007	548010	0.2130	M
					RPD = 26.59	

QC Flag Legend

Processing Flags

Review Flags

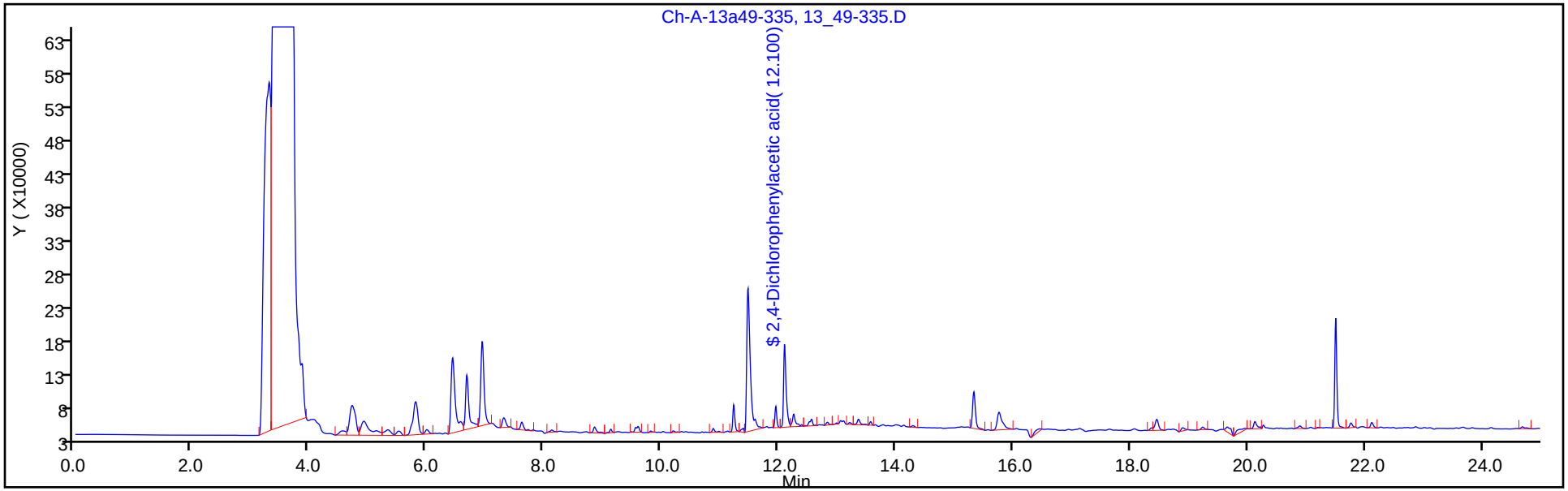
M - Manually Integrated

Report Date: 10-Mar-2022 06:35:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

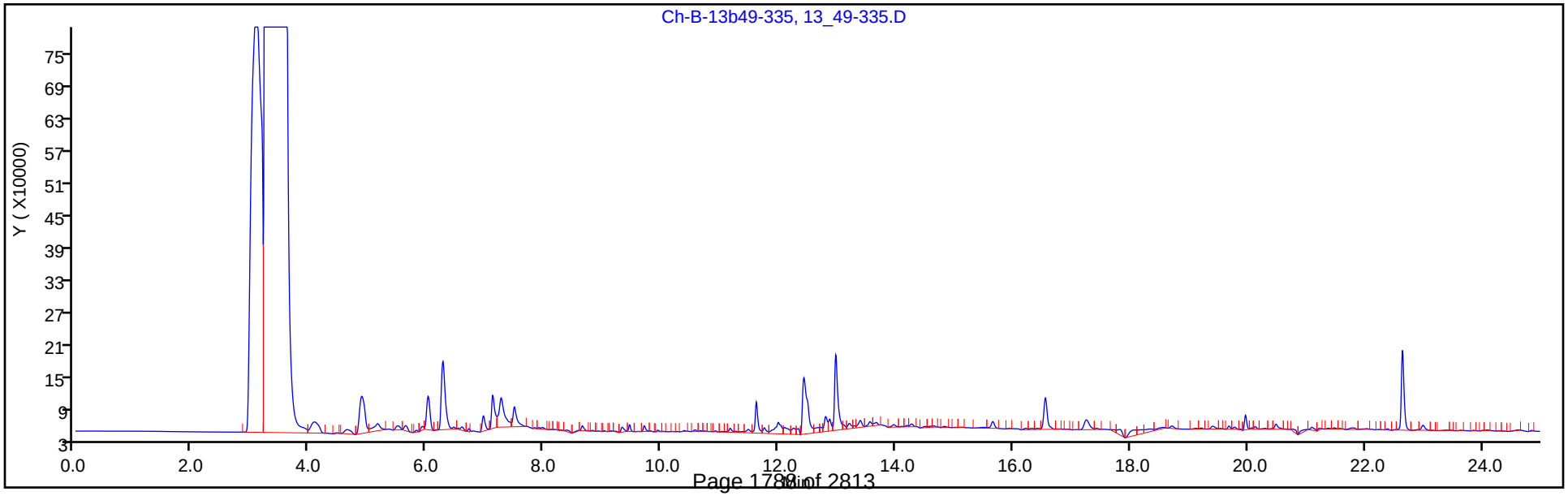
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Injection Date:	09-Mar-2022 18:28:43	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	480-195466-A-10-D	Lab Sample ID:	480-195466-10	Worklist Smp#:	19
Client ID:	LF2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Lims ID:	480-195466-A-10-D				
Client ID:	LF2				
Sample Type:	Client				
Inject. Date:	09-Mar-2022 18:28:43	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:31:03		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1630	65.20

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2130	85.20

Manual Integration/User Assign Peak Report

Eurofins Buffalo

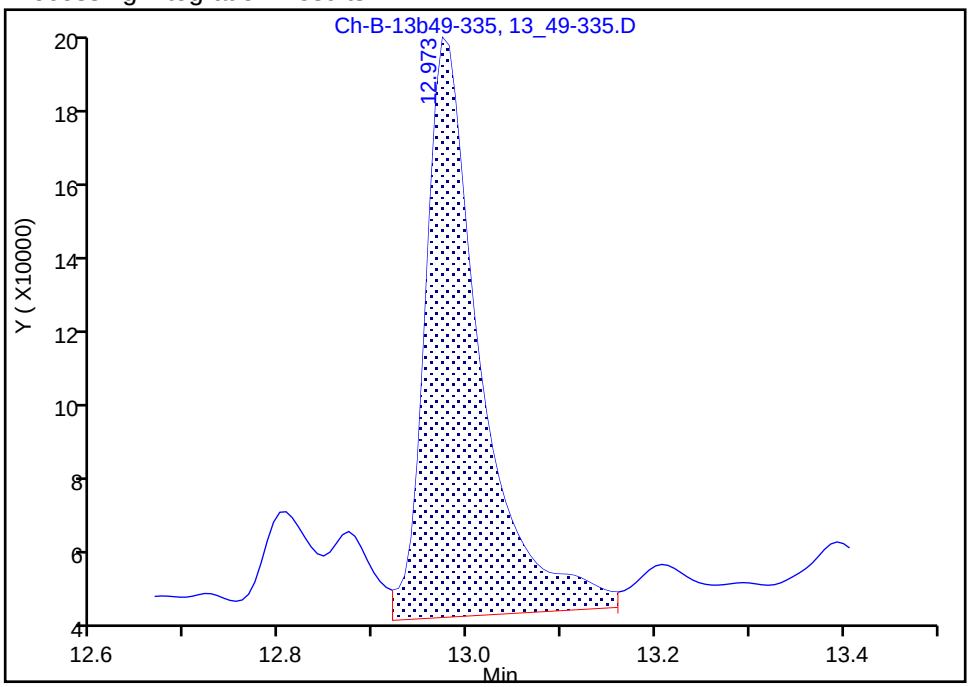
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-335.D				
Injection Date:	09-Mar-2022 18:28:43	Instrument ID:	HP5890-13		
Lims ID:	480-195466-A-10-D	Lab Sample ID:	480-195466-10		
Client ID:	LF2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

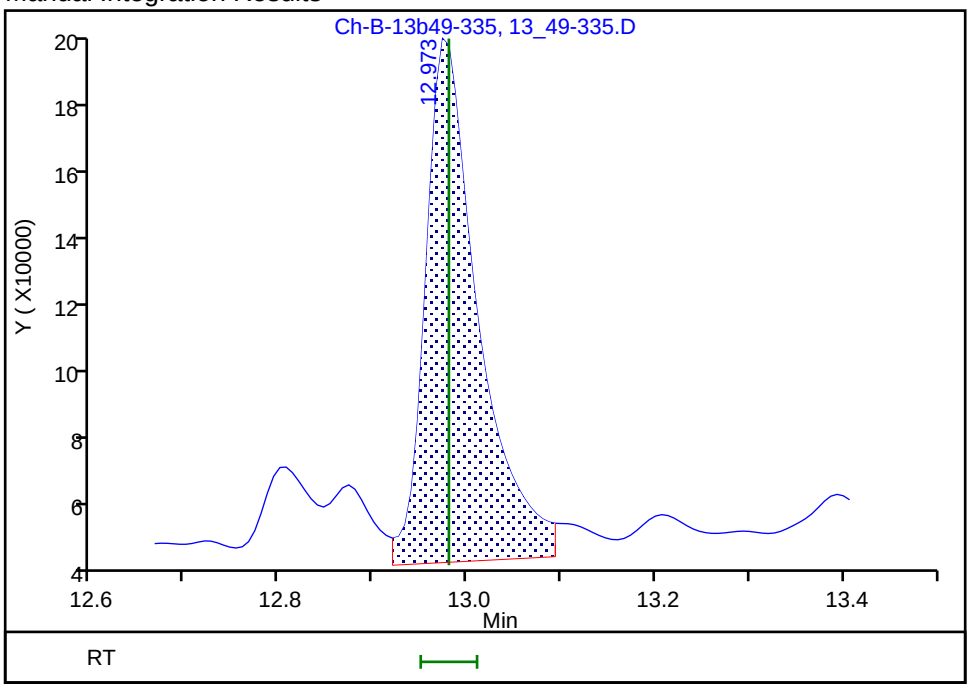
Processing Integration Results

RT: 12.97
Area: 574576
Amount: 0.223323
Amount Units: ng/ul



Manual Integration Results

RT: 12.97
Area: 548010
Amount: 0.212997
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:30:59

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43130

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dichlorprop	13.293	13.293	13.287	13.287	13.287	13.287	13.287				13.257 - 13.317	13.289
2,4-D	13.613	13.613	13.607	13.607	13.607	13.607	13.607				13.577 - 13.637	13.609
Pentachlorophenol	14.087	14.087	14.087	14.087	14.093						14.063 - 14.123	14.088
Silvex (2,4,5-TP)	14.960	14.960	14.953	14.953	14.953	14.953	14.953				14.923 - 14.983	14.955
2,4,5-T	15.473	15.467	15.467	15.467	15.460	15.460	15.460				15.410 - 15.510	15.465
Picloram	18.947	18.947	18.940	18.940	18.933	18.933	18.933				18.833 - 19.033	18.939
Dinoseb	19.307	19.307	19.300	19.307	19.300	19.300	19.300				19.270 - 19.330	19.303
2,4-Dichlorophenylacetic acid	12.127	12.127	12.120	12.120	12.120	12.120	12.120				12.090 - 12.150	12.122

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43130

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.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								
Dichlorprop	2287350 1827640	2173720 1758652	2067140 1542156	1925933	Ave		1940370.19				13.2		20.0			
2,4-D	2258150 1934545	2208660 1868456	2161910 1684846	2017453	Ave		2019145.76				10.2		20.0			
Pentachlorophenol	23306700 18004070	22193280	21435600	19899667	Ave		20967863.3				9.9		20.0			
Silvex (2,4,5-TP)	8434350 7078235	8006000 6819364	7858700 6269468	7399273	Ave		7409341.48				10.1		20.0			
2,4,5-T	7588050 6594500	7296700 6393520	7265020 6000786	6851713	Ave		6855755.62				8.2		20.0			
Picloram	4439050 4707405	4480560 4442388	4924540 4341826	4748933	Ave		4583528.90				4.6		20.0			
Dinoseb	7360600 5604820	6691340 5204908	6372640 4668688	5831360	Ave		5962050.86				15.4		20.0			
2,4-Dichlorophenylacetic acid	2818350 2170905	2667880 2093828	2496350 1817004	2287607	Ave		2335989.10				14.9		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43130

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		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
Dichlorprop	Ave	45747 439663	108686 771078	206714	288890	365528	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-D	Ave	45163 467114	110433 842423	216191	302618	386909	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Pentachlorophenol	Ave	466134	1109664	2143560	2984950	3600814	0.0200	0.0500	0.100	0.150	0.200
Silvex (2,4,5-TP)	Ave	168687 1704841	400300 3134734	785870	1109891	1415647	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4,5-T	Ave	151761 1598380	364835 3000393	726502	1027757	1318900	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Picloram	Ave	88781 1110597	224028 2170913	492454	712340	941481	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Dinoseb	Ave	147212 1301227	334567 2334344	637264	874704	1120964	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-Dichlorophenylacetic acid	Ave	56367 523457	133394 908502	249635	343141	434181	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200

Curve Type Legend
Ave = Average

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-136.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Feb-2022 12:29:49 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:28 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 13:18:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	908502	0.5000	0.3889	
2	13.000	13.000	0.000	963245	0.5000	0.3744	
						RPD = 3.81	
2 Dichlorprop							
1	13.287	13.287	0.000	771078	0.5000	0.3974	
2	14.353	14.353	0.000	1027255	0.5000	0.3834	
						RPD = 3.57	
3 2,4-D							
1	13.607	13.607	0.000	842423	0.5000	0.4172	
2	14.907	14.907	0.000	1135562	0.5000	0.4020	
						RPD = 3.72	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	3134734	0.5000	0.4231	
2	16.680	16.680	0.000	4064614	0.5000	0.4270	
						RPD = 0.92	
6 2,4,5-T							
1	15.460	15.460	0.000	3000393	0.5000	0.4376	
2	17.680	17.680	0.000	4107278	0.5000	0.4409	
						RPD = 0.74	
7 Picloram							
1	18.933	18.933	0.000	2170913	0.5000	0.4736	
2	21.140	21.147	-0.007	2691477	0.5000	0.5230	
						RPD = 9.92	
8 Dinoseb							
1	19.300	19.300	0.000	2334344	0.5000	0.3915	
2	19.713	19.713	0.000	2729385	0.5000	0.3963	
						RPD = 1.20	

QC Flag Legend

Processing Flags

Reagents:

Herb_Cal 0.5_00012 Amount Added: 1.00 Units: mL

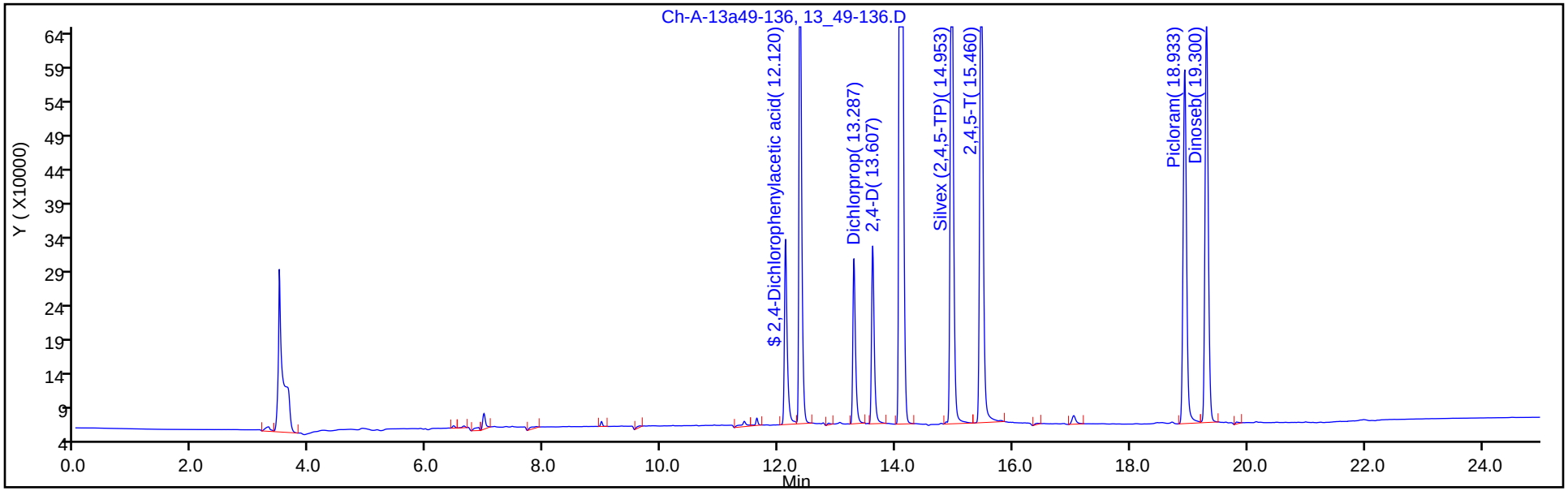
Report Date: 21-Feb-2022 06:30:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

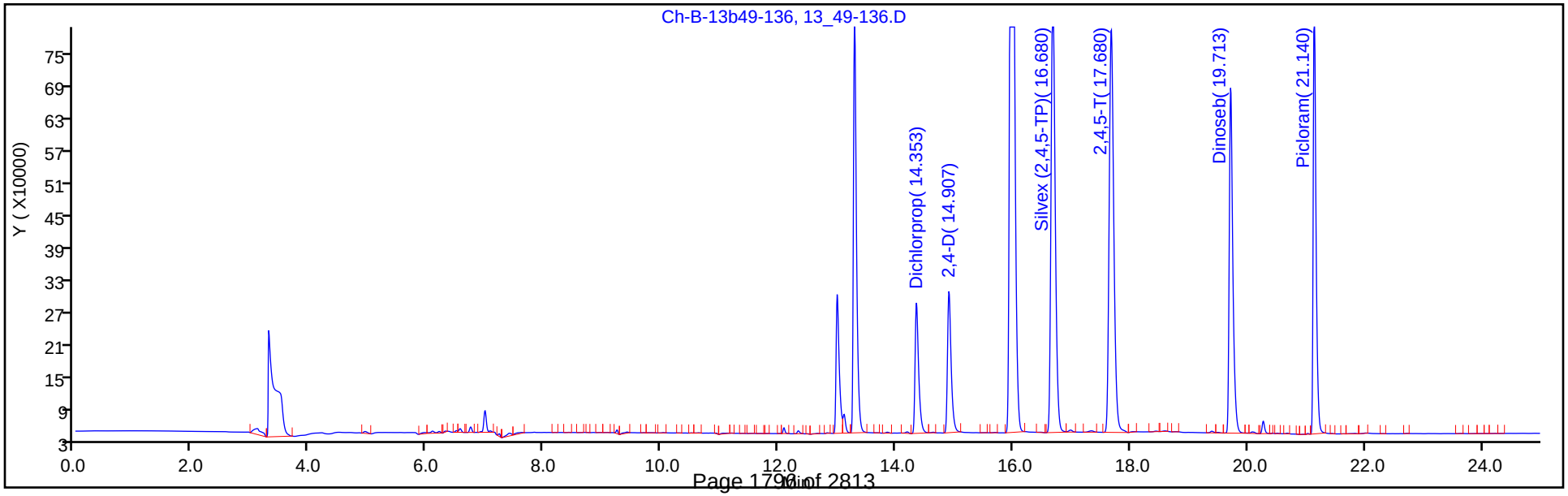
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-136.D

Injection Date:	18-Feb-2022 12:29:49	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-137.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Feb-2022 12:59:19 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:29 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 13:35:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.120	12.120	0.000	523457	0.2500	0.2241	
2	13.000	13.000	0.000	565658	0.2500	0.2199	M
						RPD = 1.90	
2 Dichlorprop							
1	13.287	13.287	0.000	439663	0.2500	0.2266	
2	14.353	14.353	0.000	587785	0.2500	0.2194	
						RPD = 3.22	
3 2,4-D							
1	13.607	13.607	0.000	467114	0.2500	0.2313	
2	14.907	14.907	0.000	633818	0.2500	0.2244	
						RPD = 3.06	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1704841	0.2500	0.2301	
2	16.680	16.680	0.000	2211439	0.2500	0.2323	
						RPD = 0.96	
6 2,4,5-T							
1	15.460	15.460	0.000	1598380	0.2500	0.2331	
2	17.680	17.680	0.000	2175167	0.2500	0.2335	
						RPD = 0.15	
7 Picloram							
1	18.933	18.933	0.000	1110597	0.2500	0.2423	
2	21.147	21.147	0.000	1288907	0.2500	0.2505	
						RPD = 3.32	
8 Dinoseb							
1	19.300	19.300	0.000	1301227	0.2500	0.2183	
2	19.713	19.713	0.000	1504356	0.2500	0.2184	
						RPD = 0.07	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_Cal 0.25_00011 Amount Added: 1.00 Units: mL

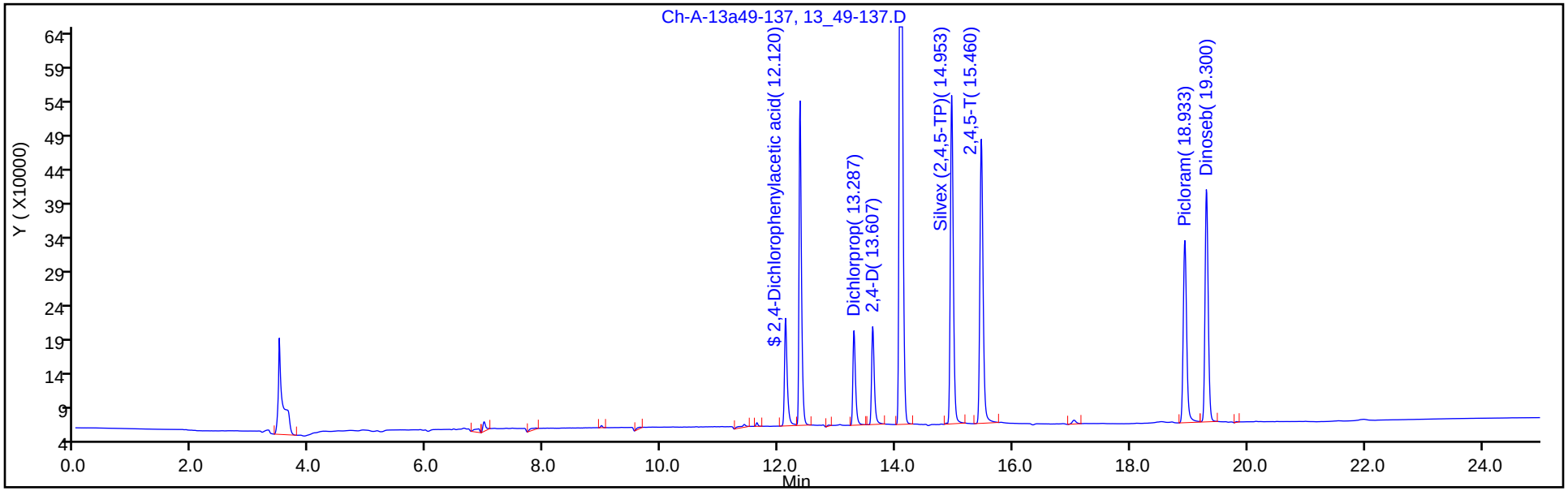
Report Date: 21-Feb-2022 06:30:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

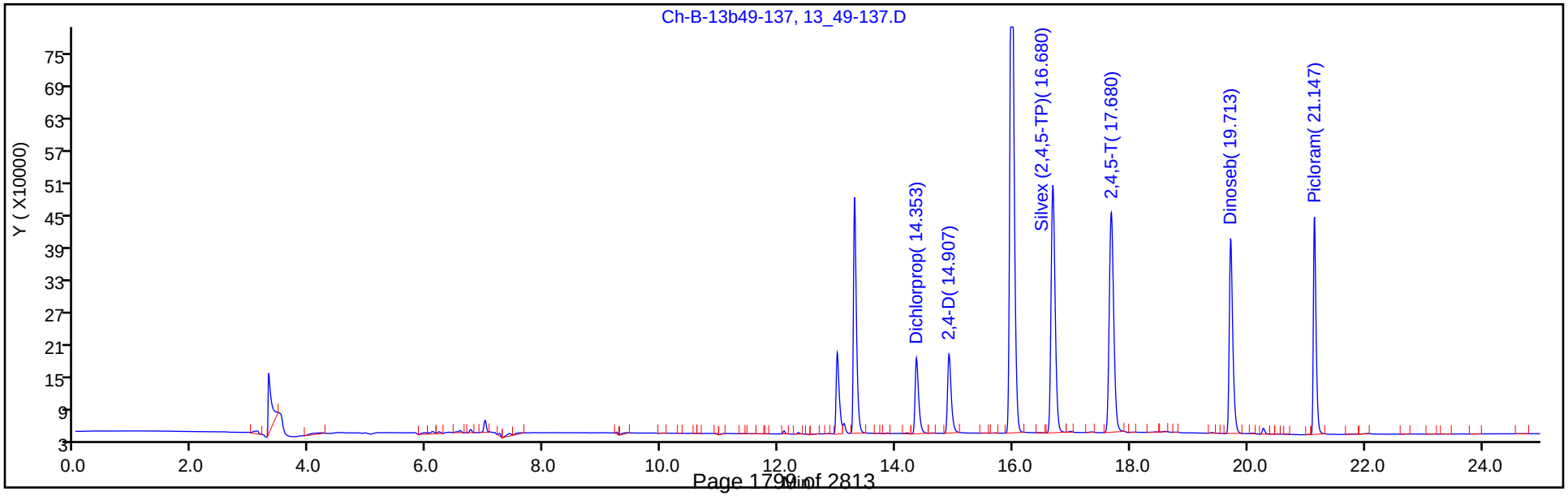
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-137.D

Injection Date:	18-Feb-2022 12:59:19	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-138.D
Lims ID: std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Feb-2022 13:29:03 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:30 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 14:28:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	434181	0.2000	0.1859	
2	13.000	13.000	0.000	467741	0.2000	0.1818	
						RPD = 2.21	
2 Dichlorprop							
1	13.287	13.287	0.000	365528	0.2000	0.1884	
2	14.353	14.353	0.000	490322	0.2000	0.1830	
						RPD = 2.89	
3 2,4-D							
1	13.607	13.607	0.000	386909	0.2000	0.1916	
2	14.907	14.907	0.000	528311	0.2000	0.1870	
						RPD = 2.43	
4 Pentachlorophenol							
1	14.093	14.093	0.000	3600814	0.2000	0.1717	
2	15.980	15.980	0.000	4224599	0.2000	0.1845	
						RPD = 7.18	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1415647	0.2000	0.1911	
2	16.680	16.680	0.000	1828244	0.2000	0.1921	
						RPD = 0.52	
6 2,4,5-T							
1	15.460	15.460	0.000	1318900	0.2000	0.1924	
2	17.680	17.680	0.000	1797099	0.2000	0.1929	
						RPD = 0.27	
7 Picloram							
1	18.933	18.933	0.000	941481	0.2000	0.2054	
2	21.147	21.147	0.000	1056430	0.2000	0.2053	
						RPD = 0.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.300	19.300	0.000	1120964	0.2000	0.1880	
2	19.713	19.713	0.000	1265355	0.2000	0.1837	
						RPD = 2.31	

QC Flag Legend

Processing Flags

Reagents:

Herb_Cal 0.20_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-138.D

Injection Date: 18-Feb-2022 13:29:03 Instrument ID: HP5890-13 Operator ID: BufTCHROM

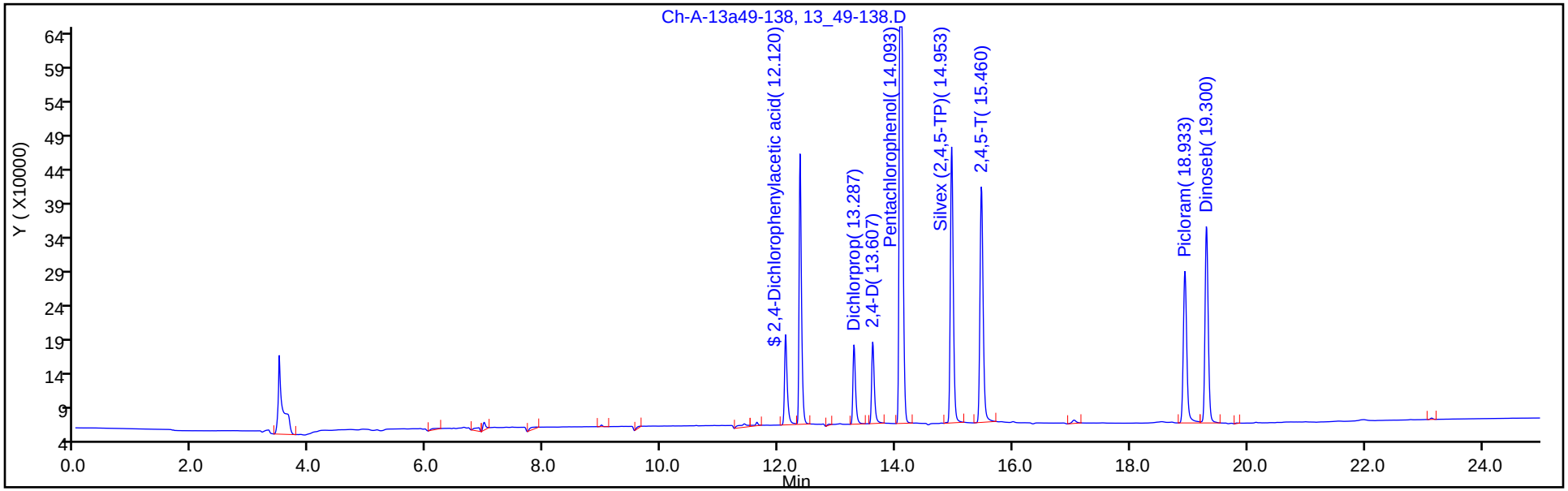
Lims ID: std3 Worklist Smp#: 4

Client ID:

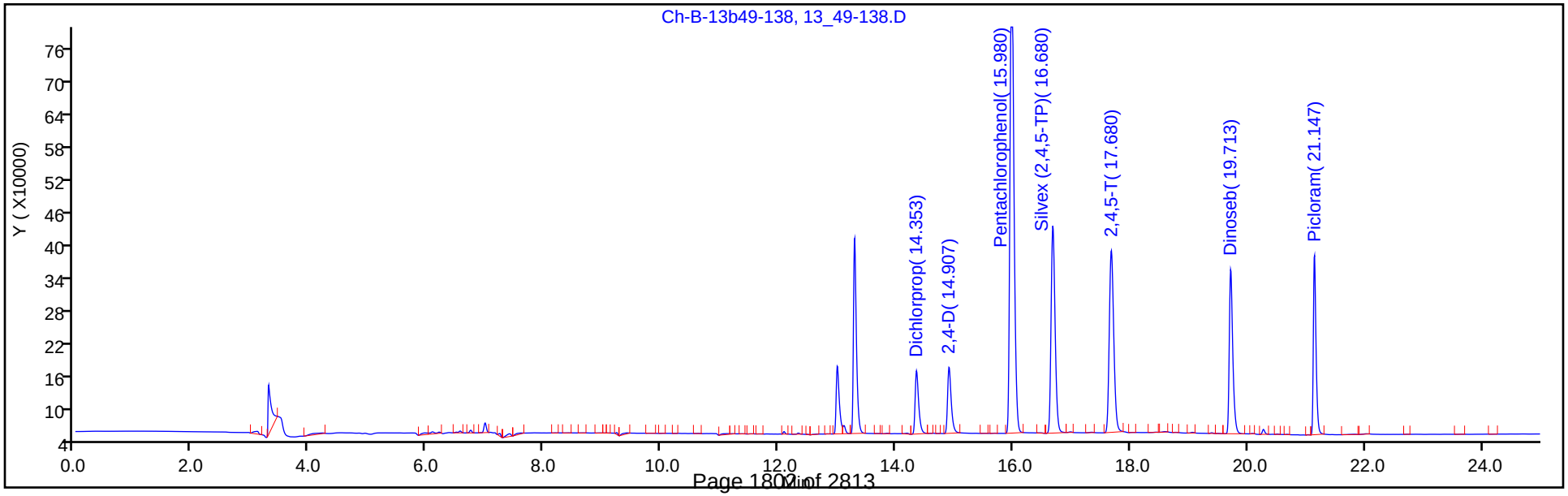
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-139.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Feb-2022 13:58:48 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 14:57:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	343141	0.1500	0.1469	
2	13.000	13.000	0.000	371079	0.1500	0.1442	
						RPD = 1.83	
2 Dichlorprop							
1	13.287	13.287	0.000	288890	0.1500	0.1489	
2	14.353	14.353	0.000	389026	0.1500	0.1452	
						RPD = 2.50	
3 2,4-D							
1	13.607	13.607	0.000	302618	0.1500	0.1499	
2	14.913	14.907	0.006	415533	0.1500	0.1471	
						RPD = 1.87	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2984950	0.1500	0.1424	
2	15.980	15.980	0.000	3284077	0.1500	0.1434	
						RPD = 0.75	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1109891	0.1500	0.1498	
2	16.680	16.680	0.000	1424022	0.1500	0.1496	
						RPD = 0.13	
6 2,4,5-T							
1	15.467	15.460	0.007	1027757	0.1500	0.1499	
2	17.680	17.680	0.000	1391763	0.1500	0.1494	
						RPD = 0.35	
7 Picloram							
1	18.940	18.933	0.007	712340	0.1500	0.1554	
2	21.147	21.147	0.000	785608	0.1500	0.1527	
						RPD = 1.78	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	874704	0.1500	0.1467	
2	19.713	19.713	0.000	1000538	0.1500	0.1453	
						RPD = 0.99	

QC Flag Legend

Processing Flags

Reagents:

Herb_Cal 0.15_00012 Amount Added: 1.00 Units: mL

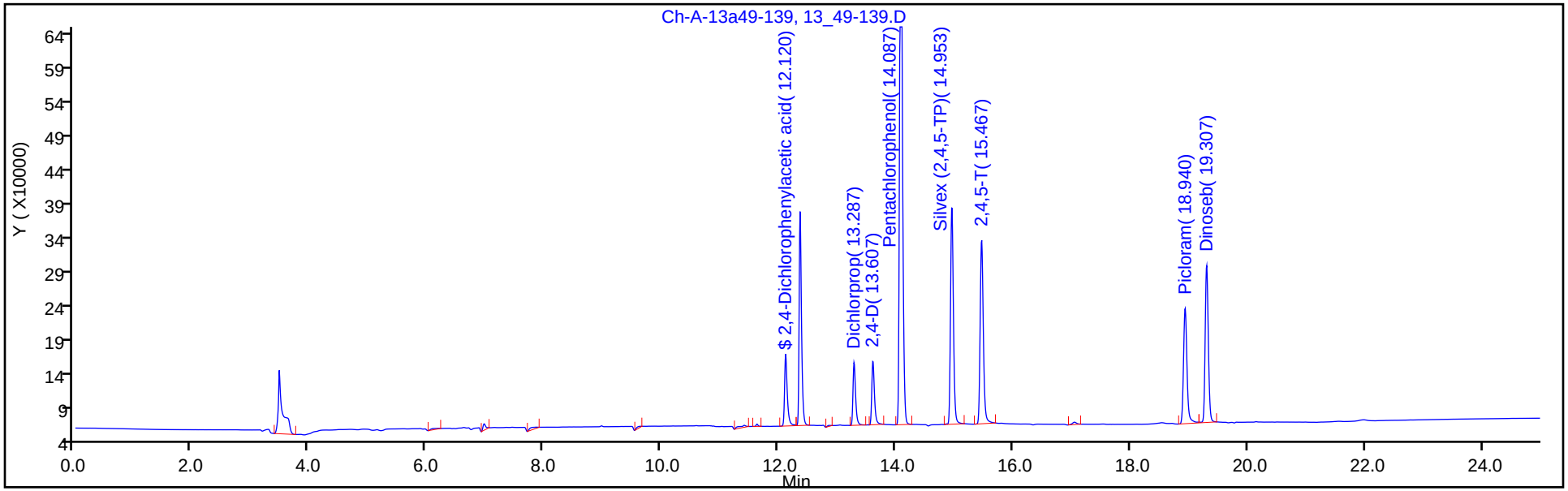
Report Date: 21-Feb-2022 06:30:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

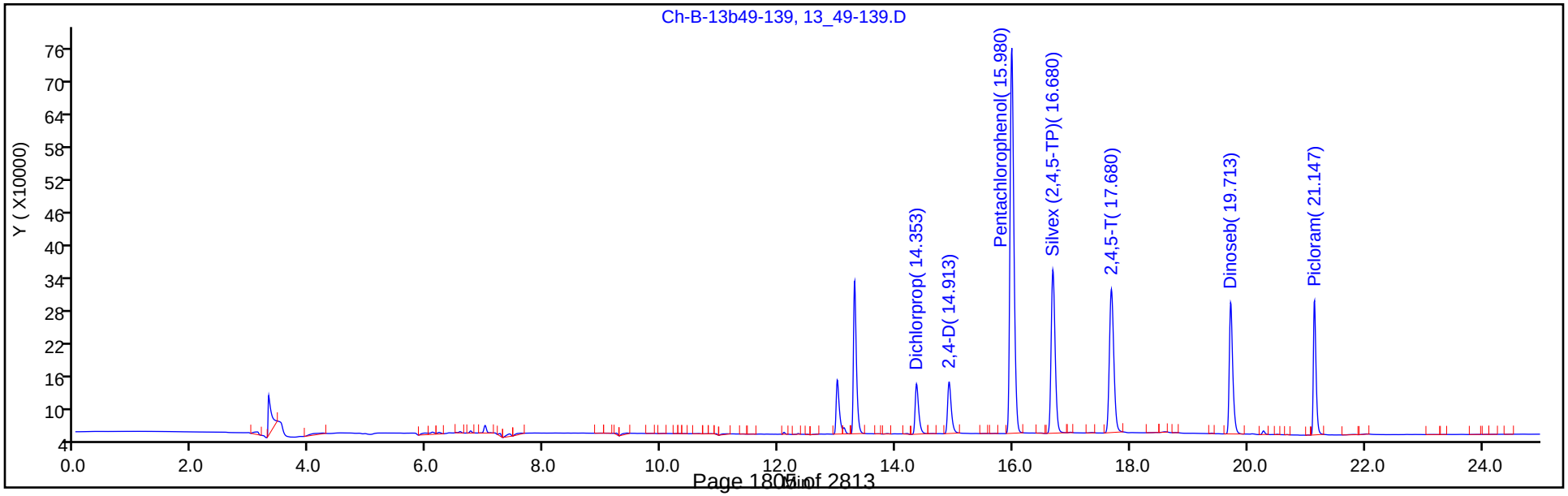
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-139.D

Injection Date:	18-Feb-2022 13:58:48	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-140.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Feb-2022 14:28:31 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	249635	0.1000	0.1069	
2	13.007	13.000	0.007	272777	0.1000	0.1060	
						RPD = 0.79	
2 Dichlorprop							
1	13.287	13.287	0.000	206714	0.1000	0.1065	
2	14.353	14.353	0.000	282417	0.1000	0.1054	
						RPD = 1.05	
3 2,4-D							
1	13.607	13.607	0.000	216191	0.1000	0.1071	
2	14.913	14.907	0.006	301651	0.1000	0.1068	
						RPD = 0.27	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2143560	0.1000	0.1022	
2	15.980	15.980	0.000	2333834	0.1000	0.1019	
						RPD = 0.29	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	785870	0.1000	0.1061	
2	16.680	16.680	0.000	1008475	0.1000	0.1059	
						RPD = 0.12	
6 2,4,5-T							
1	15.467	15.460	0.007	726502	0.1000	0.1060	
2	17.680	17.680	0.000	989769	0.1000	0.1062	
						RPD = 0.26	
7 Picloram							
1	18.940	18.933	0.007	492454	0.1000	0.1074	
2	21.147	21.147	0.000	540082	0.1000	0.1050	
						RPD = 2.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.300	19.300	0.000	637264	0.1000	0.1069	
2	19.720	19.713	0.007	734662	0.1000	0.1067	
						RPD =	0.21

QC Flag Legend

Processing Flags

Reagents:

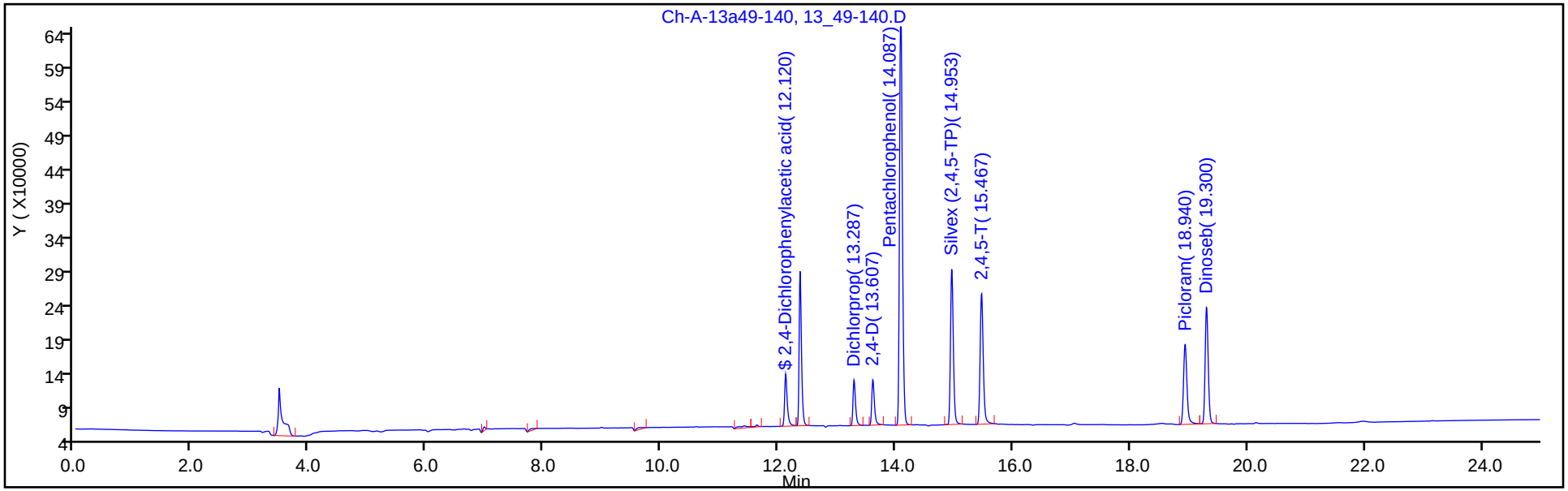
Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

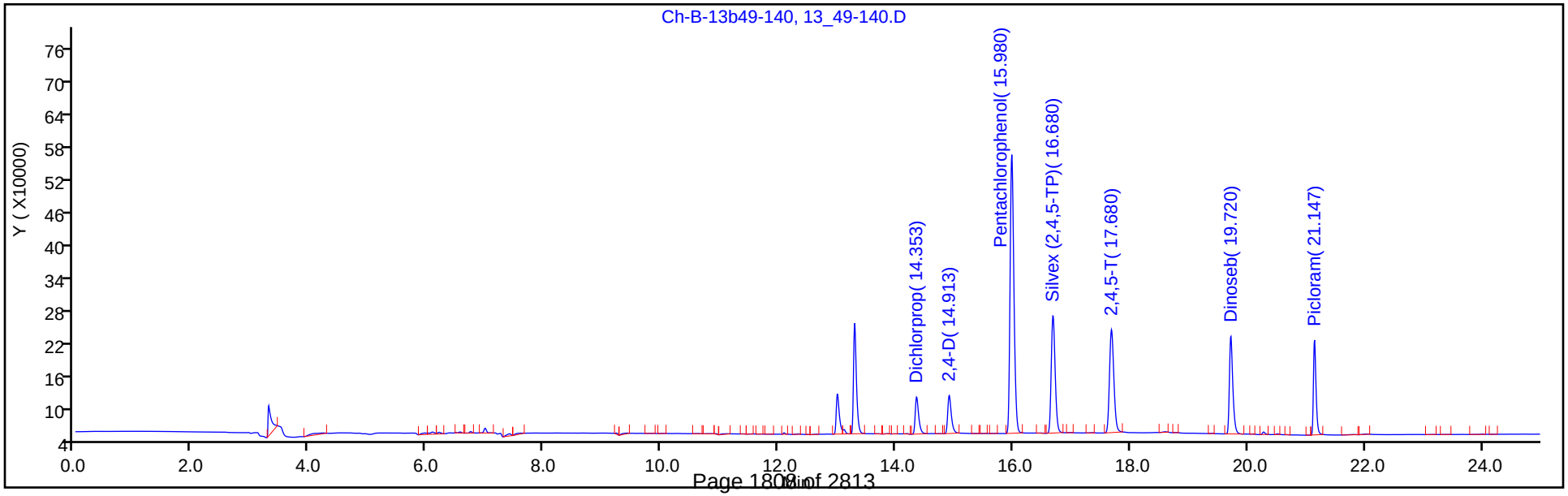
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-140.D				
Injection Date:	18-Feb-2022 14:28:31	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-141.D
Lims ID: std6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Feb-2022 14:58:36 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:32 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.127	12.120	0.007	133394	0.0500	0.0571	
2	13.007	13.000	0.007	148644	0.0500	0.0578	M
						RPD = 1.17	
2 Dichlorprop							
1	13.293	13.287	0.006	108686	0.0500	0.0560	
2	14.360	14.353	0.007	154590	0.0500	0.0577	
						RPD = 2.97	
3 2,4-D							
1	13.613	13.607	0.006	110433	0.0500	0.0547	
2	14.913	14.907	0.006	157187	0.0500	0.0556	
						RPD = 1.72	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	1109664	0.0500	0.0529	
2	15.980	15.980	0.000	1182452	0.0500	0.0516	
						RPD = 2.44	
5 Silvex (2,4,5-TP)							
1	14.960	14.953	0.007	400300	0.0500	0.0540	
2	16.680	16.680	0.000	509870	0.0500	0.0536	
						RPD = 0.86	
6 2,4,5-T							
1	15.467	15.460	0.007	364835	0.0500	0.0532	
2	17.680	17.680	0.000	493301	0.0500	0.0530	
						RPD = 0.50	
7 Picloram							
1	18.947	18.933	0.014	224028	0.0500	0.0489	
2	21.147	21.147	0.000	242385	0.0500	0.0471	
						RPD = 3.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	334567	0.0500	0.0561	
2	19.720	19.713	0.007	387203	0.0500	0.0562	
						RPD = 0.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_Cal 0.05_00011 Amount Added: 1.00 Units: mL

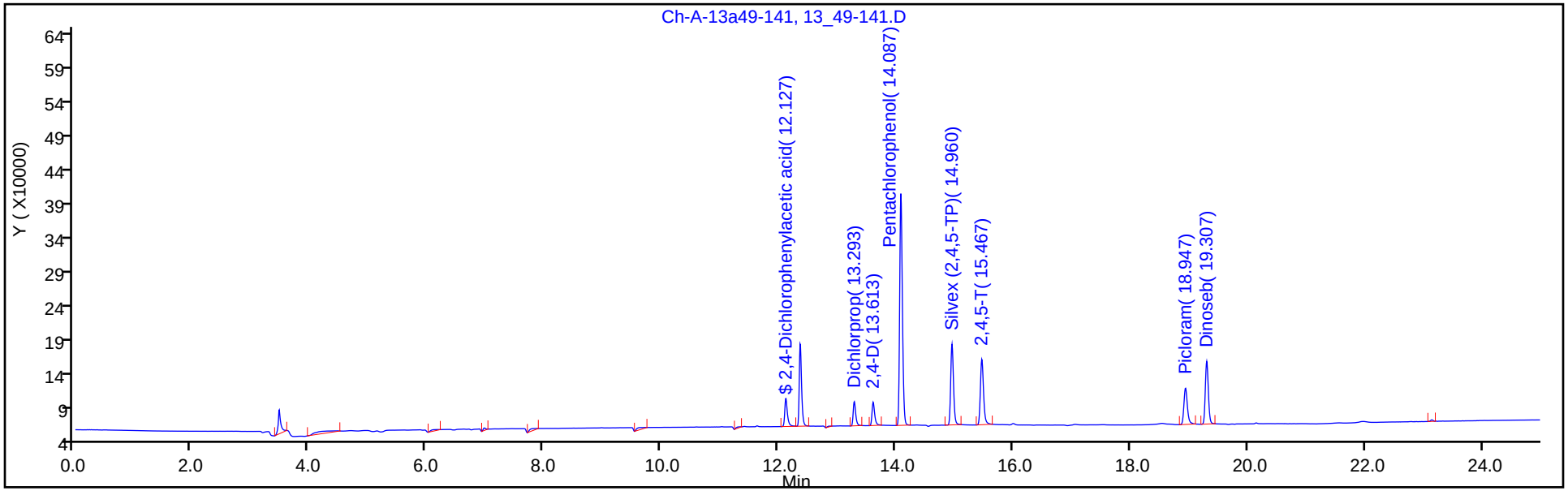
Report Date: 21-Feb-2022 06:30:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

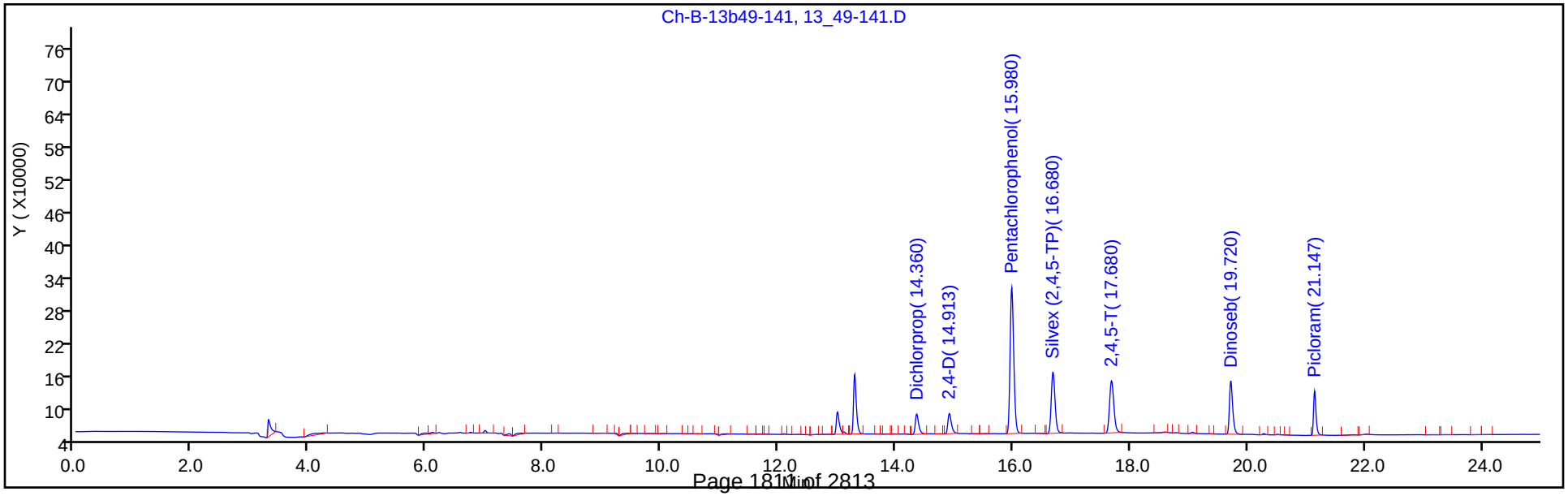
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-141.D

Injection Date:	18-Feb-2022 14:58:36	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D
Lims ID: std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Feb-2022 15:28:13 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:33 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.127	12.120	0.007	56367	0.0200	0.0241	
2	13.007	13.000	0.007	66152	0.0200	0.0257	M
						RPD = 6.35	
2 Dichlorprop							
1	13.293	13.287	0.006	45747	0.0200	0.0236	
2	14.360	14.353	0.007	67735	0.0200	0.0253	
						RPD = 6.99	
3 2,4-D							
1	13.613	13.607	0.006	45163	0.0200	0.0224	
2	14.920	14.907	0.013	67920	0.0200	0.0240	
						RPD = 7.22	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	466134	0.0200	0.0222	
2	15.980	15.980	0.000	489501	0.0200	0.0214	
						RPD = 3.90	
5 Silvex (2,4,5-TP)							
1	14.960	14.953	0.007	168687	0.0200	0.0228	
2	16.687	16.680	0.007	214849	0.0200	0.0226	
						RPD = 0.87	
6 2,4,5-T							
1	15.473	15.460	0.013	151761	0.0200	0.0221	
2	17.687	17.680	0.007	205390	0.0200	0.0220	
						RPD = 0.40	
7 Picloram							
1	18.947	18.933	0.014	88781	0.0200	0.0194	
2	21.147	21.147	0.000	94278	0.0200	0.0183	
						RPD = 5.56	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	147212	0.0200	0.0247	
2	19.720	19.713	0.007	172987	0.0200	0.0251	
						RPD = 1.70	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_Cal 0.02_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Injection Date: 18-Feb-2022 15:28:13 Instrument ID: HP5890-13 Operator ID: BufTCHROM

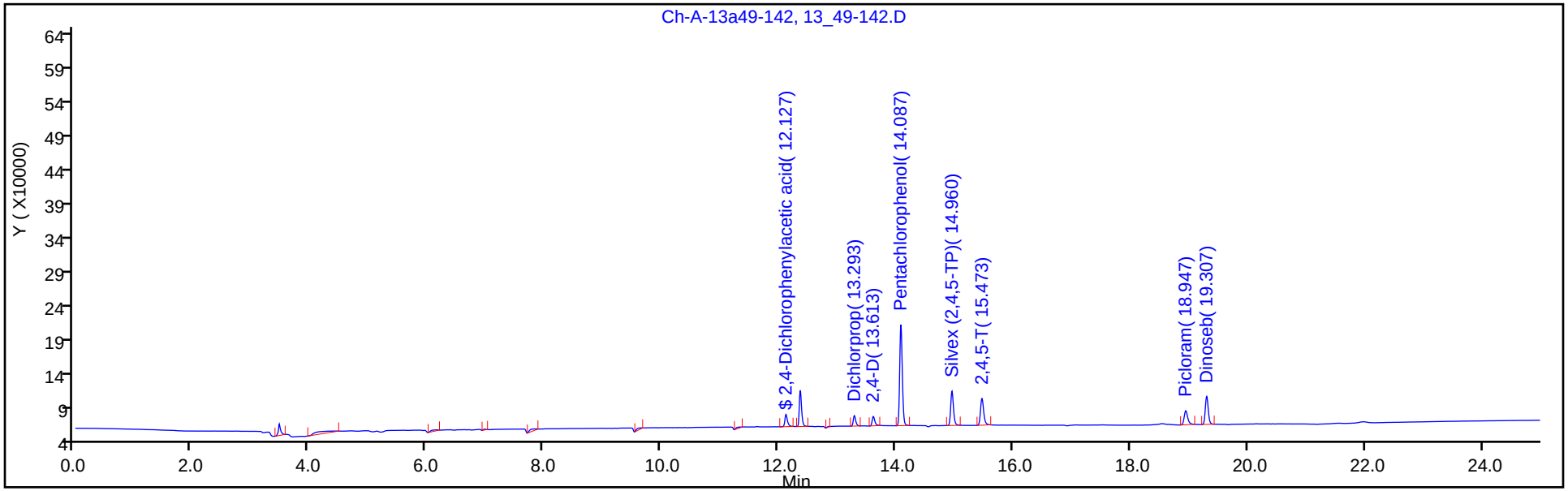
Lims ID: std7 Worklist Smp#: 8

Client ID:

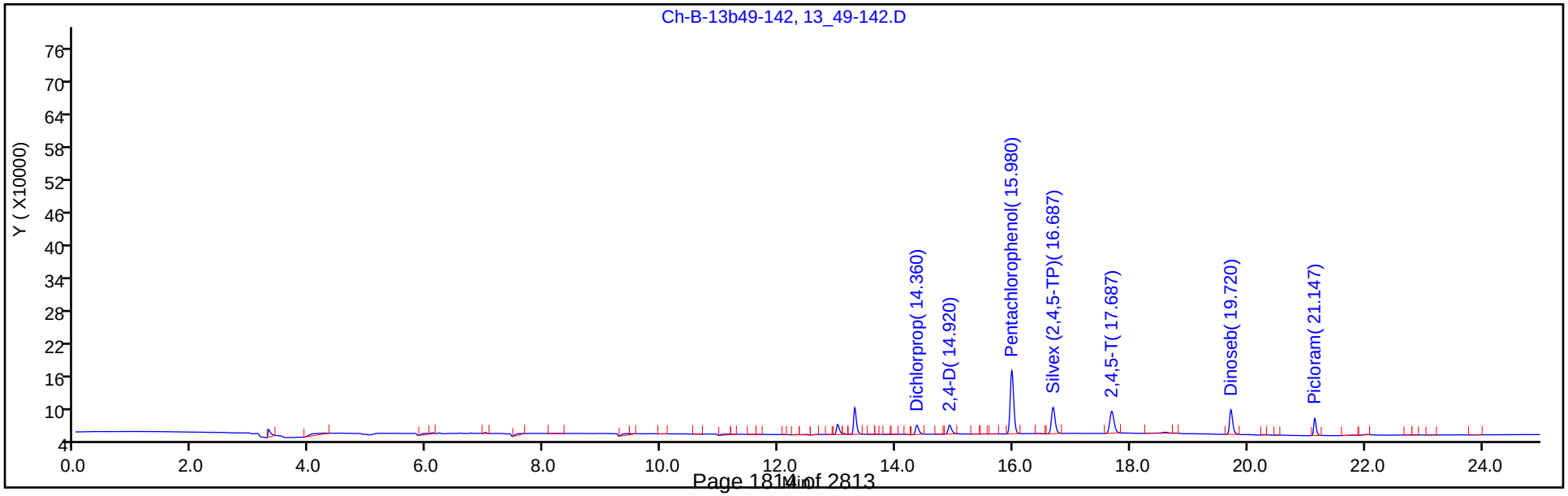
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / 2,4-Dichlorophenylacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

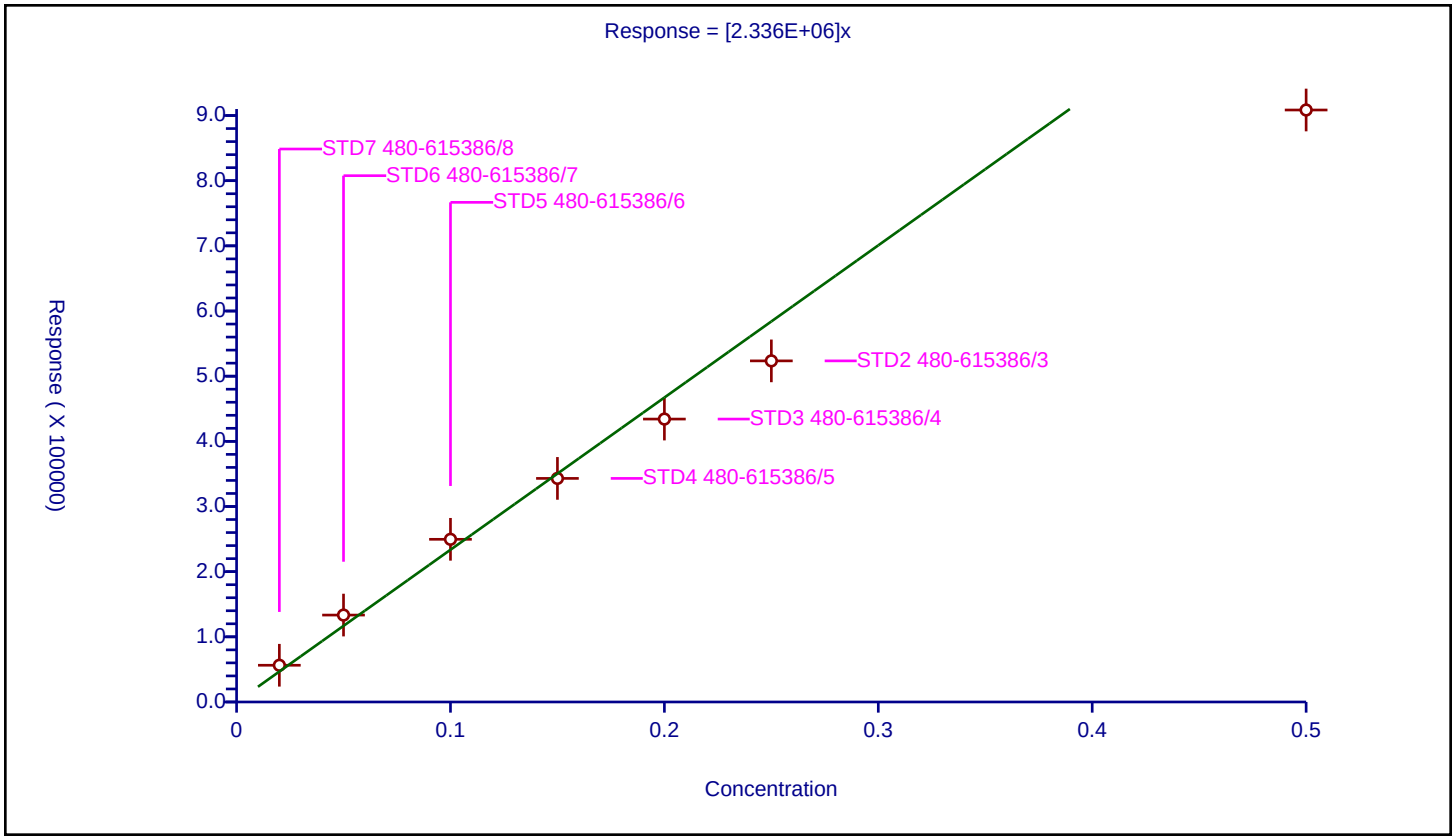
Curve Coefficients

Intercept:	0
Slope:	2.336E+06

Error Coefficients

Standard Error:	110000
Relative Standard Error:	14.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	56367.0			2818350.0	Y
2	STD6 480-615386/7	0.05	133394.0			2667880.0	Y
3	STD5 480-615386/6	0.1	249635.0			2496350.0	Y
4	STD4 480-615386/5	0.15	343141.0			2287606.666667	Y
5	STD3 480-615386/4	0.2	434181.0			2170905.0	Y
6	STD2 480-615386/3	0.25	523457.0			2093828.0	Y
7	STD1 480-615386/2	0.5	908502.0			1817004.0	Y



Calibration / Dichlorprop

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

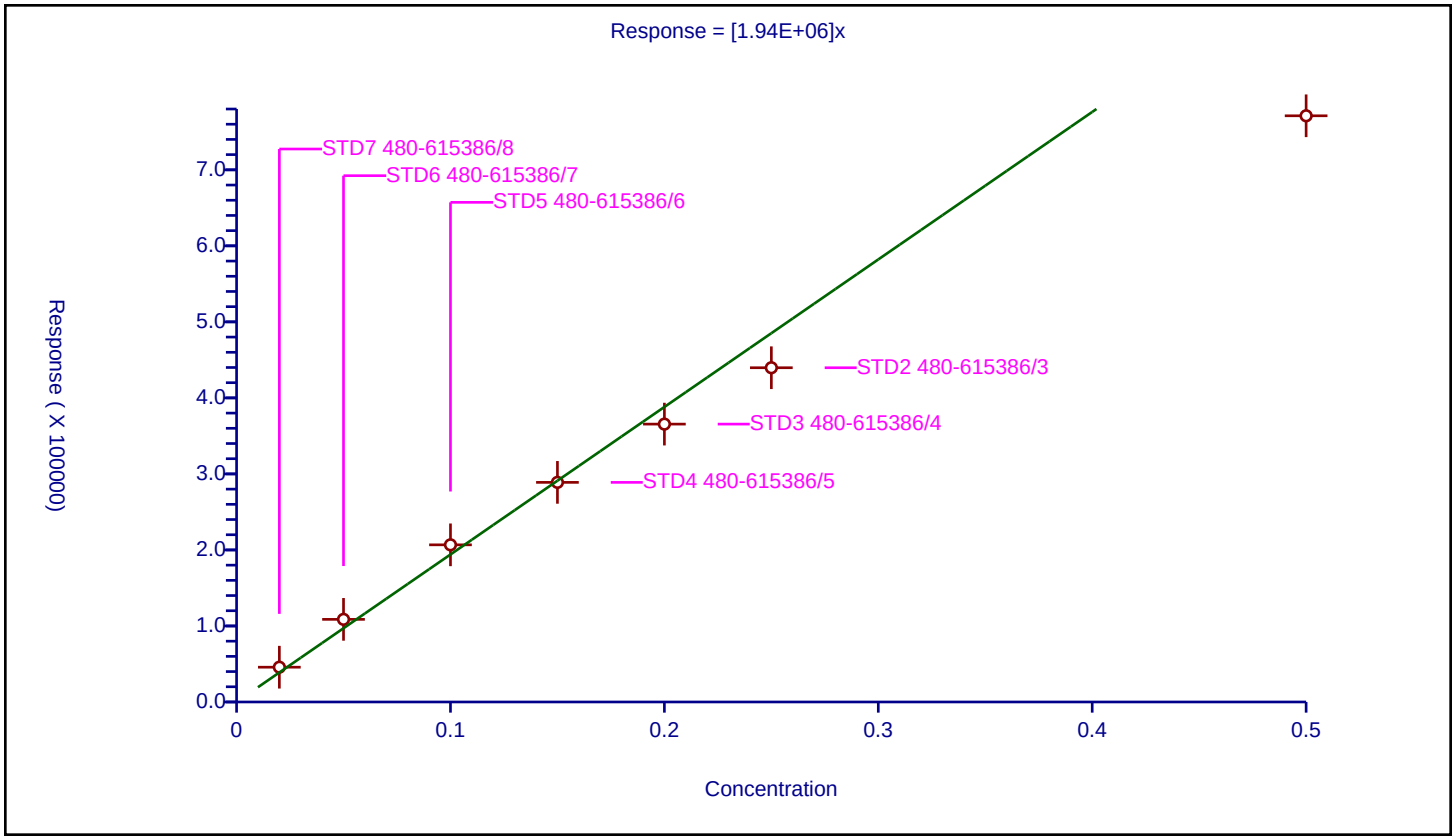
Curve Coefficients

Intercept:	0
Slope:	1.94E+06

Error Coefficients

Standard Error:	84200
Relative Standard Error:	13.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	45747.0			2287350.0	Y
2	STD6 480-615386/7	0.05	108686.0			2173720.0	Y
3	STD5 480-615386/6	0.1	206714.0			2067140.0	Y
4	STD4 480-615386/5	0.15	288890.0			1925933.333333	Y
5	STD3 480-615386/4	0.2	365528.0			1827640.0	Y
6	STD2 480-615386/3	0.25	439663.0			1758652.0	Y
7	STD1 480-615386/2	0.5	771078.0			1542156.0	Y



Calibration / 2,4-D

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

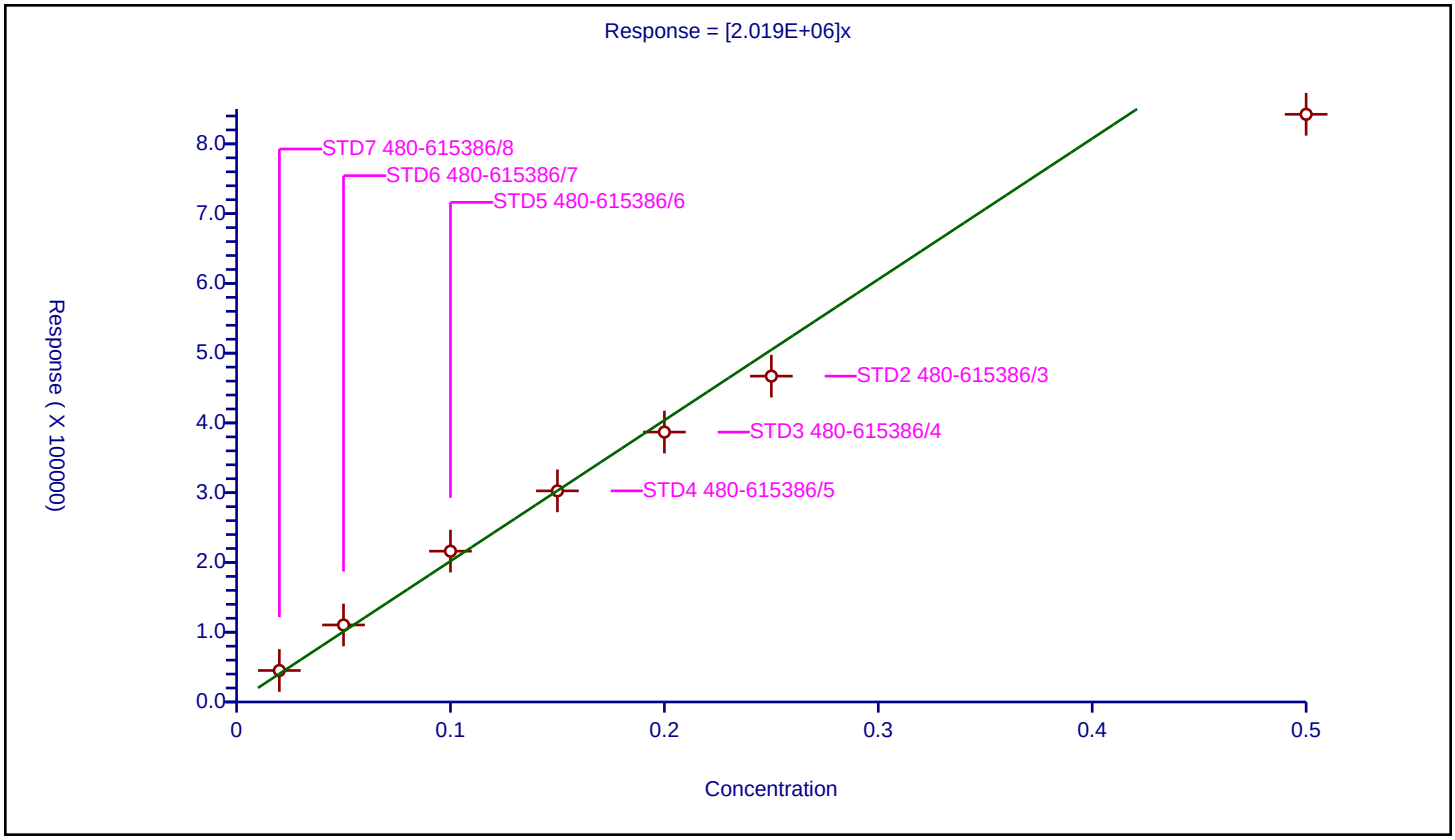
Curve Coefficients

Intercept:	0
Slope:	2.019E+06

Error Coefficients

Standard Error:	70700
Relative Standard Error:	10.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	45163.0			2258150.0	Y
2	STD6 480-615386/7	0.05	110433.0			2208660.0	Y
3	STD5 480-615386/6	0.1	216191.0			2161910.0	Y
4	STD4 480-615386/5	0.15	302618.0			2017453.333333	Y
5	STD3 480-615386/4	0.2	386909.0			1934545.0	Y
6	STD2 480-615386/3	0.25	467114.0			1868456.0	Y
7	STD1 480-615386/2	0.5	842423.0			1684846.0	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

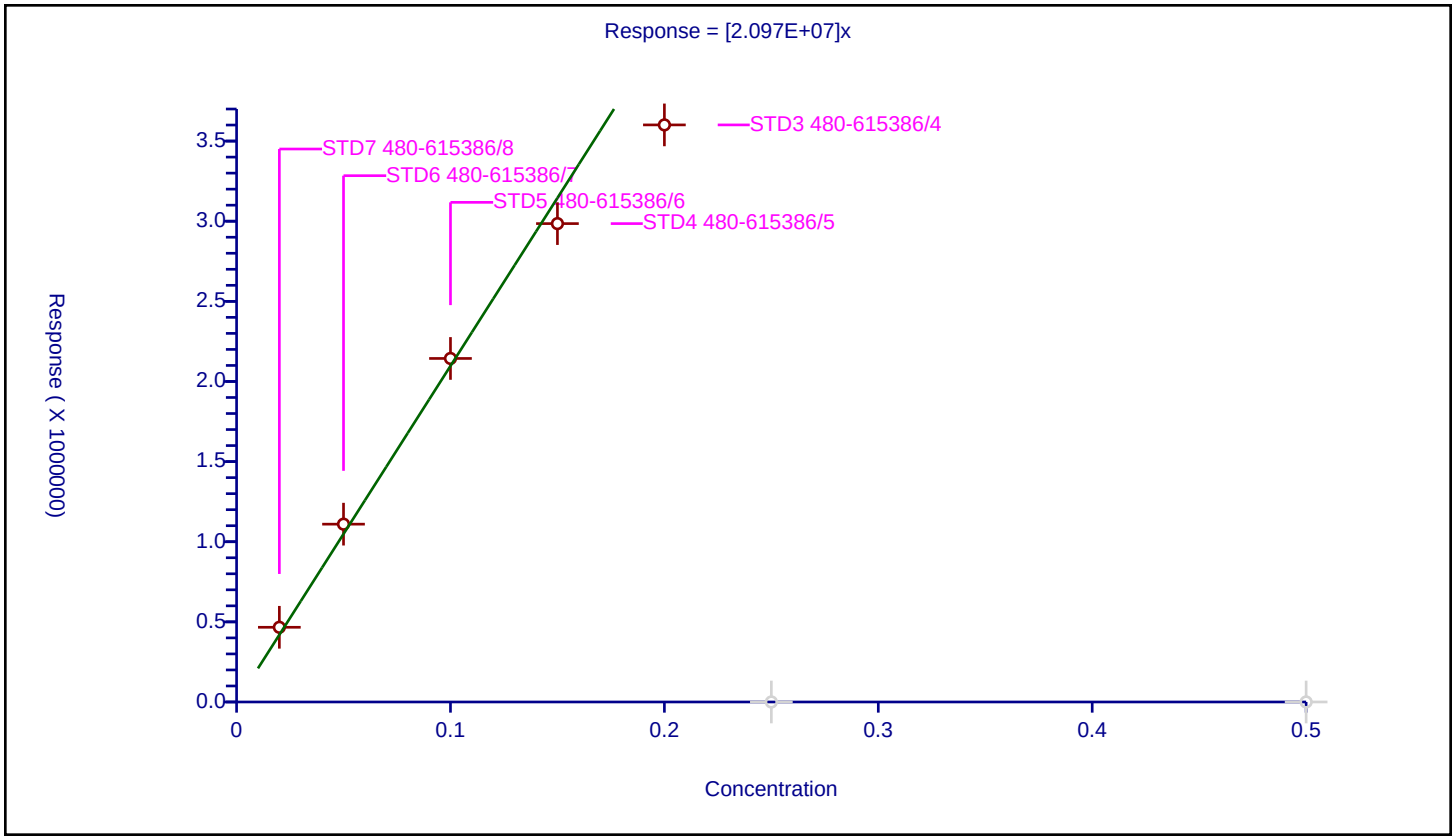
Curve Coefficients

Intercept:	0
Slope:	2.097E+07

Error Coefficients

Standard Error:	310000
Relative Standard Error:	9.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	466134.0			23306700.0	Y
2	STD6 480-615386/7	0.05	1109664.0			22193280.0	Y
3	STD5 480-615386/6	0.1	2143560.0			21435600.0	Y
4	STD4 480-615386/5	0.15	2984950.0			19899666.666667	Y
5	STD3 480-615386/4	0.2	3600814.0			18004070.0	Y
6	STD2 480-615386/3	0.25	0.0			0.0	N
7	STD1 480-615386/2	0.5	0.0			0.0	N



Calibration / Silvex (2,4,5-TP)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

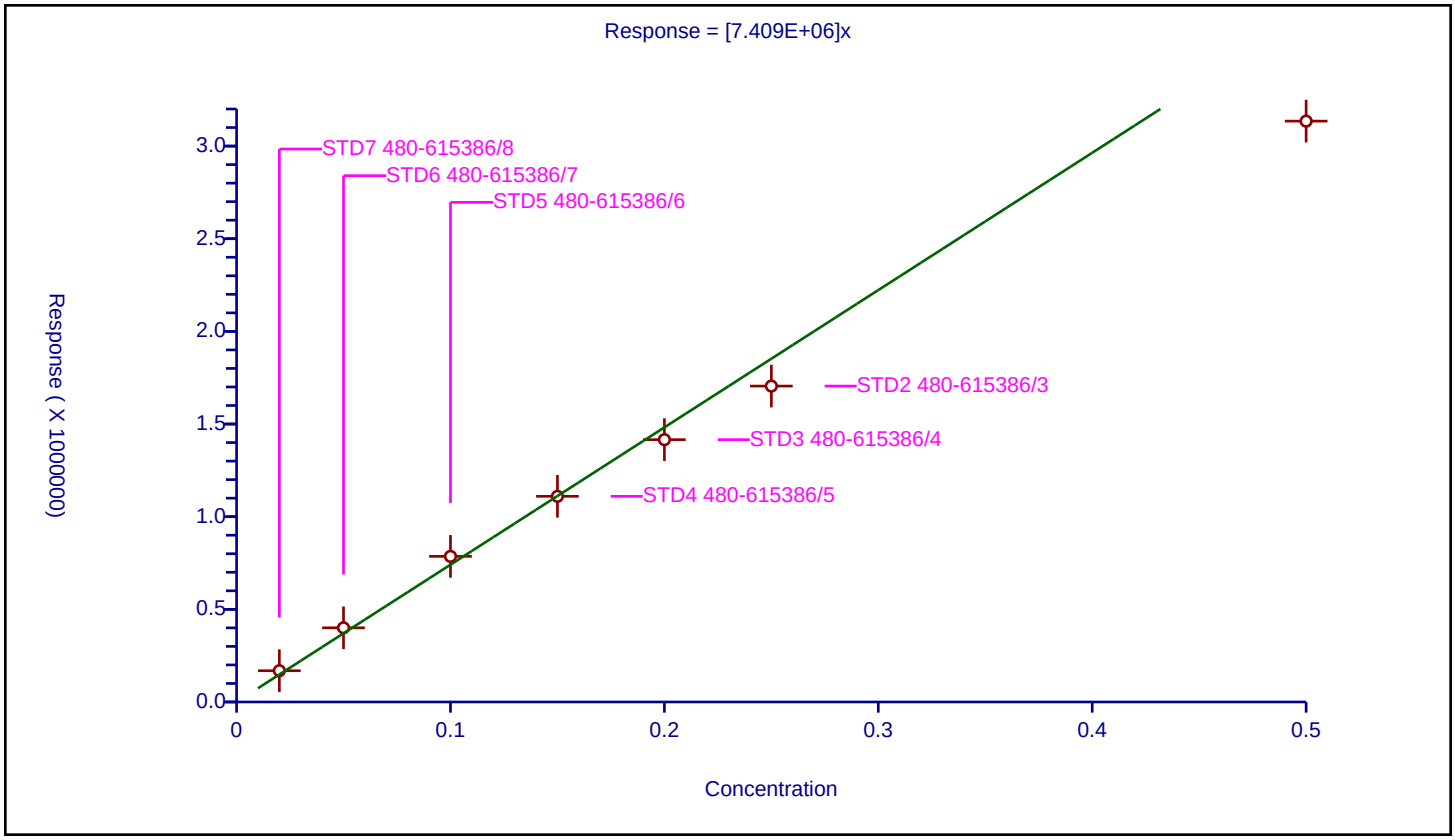
Curve Coefficients

Intercept:	0
Slope:	7.409E+06

Error Coefficients

Standard Error:	243000
Relative Standard Error:	10.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	168687.0			8434350.0	Y
2	STD6 480-615386/7	0.05	400300.0			8006000.0	Y
3	STD5 480-615386/6	0.1	785870.0			7858700.0	Y
4	STD4 480-615386/5	0.15	1109891.0			7399273.333333	Y
5	STD3 480-615386/4	0.2	1415647.0			7078235.0	Y
6	STD2 480-615386/3	0.25	1704841.0			6819364.0	Y
7	STD1 480-615386/2	0.5	3134734.0			6269468.0	Y



Calibration / 2,4,5-T

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

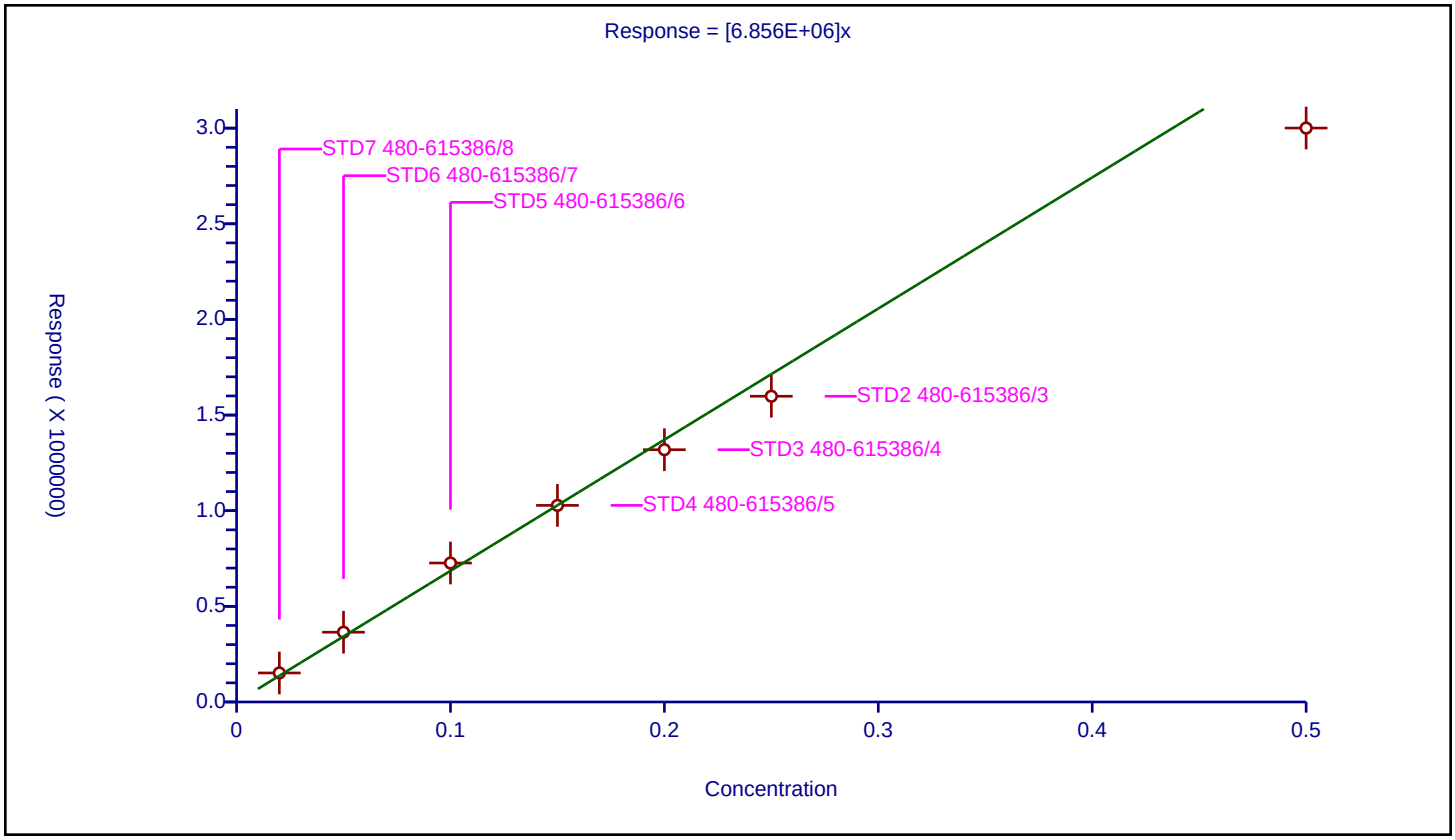
Curve Coefficients

Intercept:	0
Slope:	6.856E+06

Error Coefficients

Standard Error:	183000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	151761.0			7588050.0	Y
2	STD6 480-615386/7	0.05	364835.0			7296700.0	Y
3	STD5 480-615386/6	0.1	726502.0			7265020.0	Y
4	STD4 480-615386/5	0.15	1027757.0			6851713.333333	Y
5	STD3 480-615386/4	0.2	1318900.0			6594500.0	Y
6	STD2 480-615386/3	0.25	1598380.0			6393520.0	Y
7	STD1 480-615386/2	0.5	3000393.0			6000786.0	Y



Calibration / Picloram

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

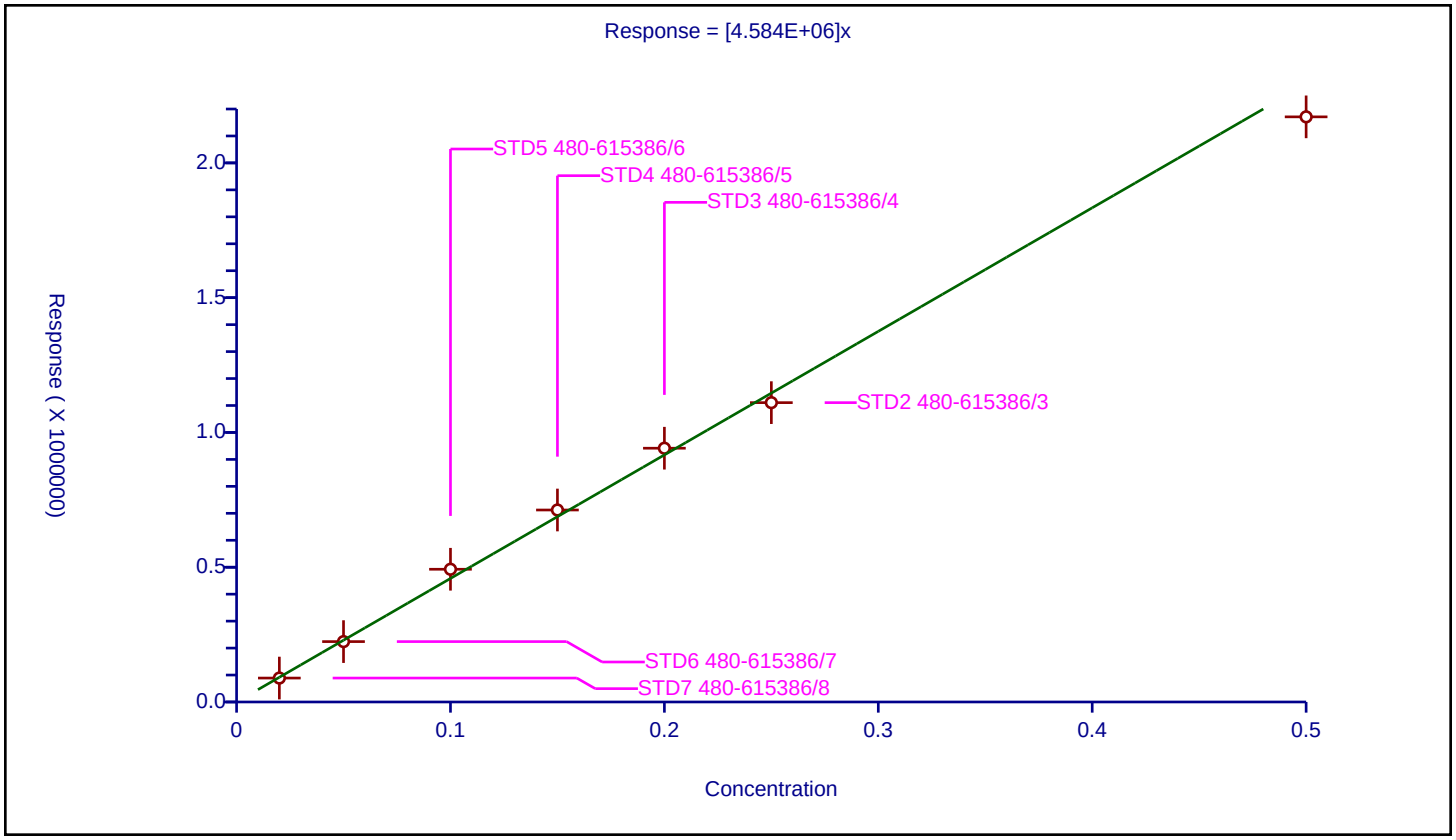
Curve Coefficients

Intercept:	0
Slope:	4.584E+06

Error Coefficients

Standard Error:	55200
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	88781.0			4439050.0	Y
2	STD6 480-615386/7	0.05	224028.0			4480560.0	Y
3	STD5 480-615386/6	0.1	492454.0			4924540.0	Y
4	STD4 480-615386/5	0.15	712340.0			4748933.333333	Y
5	STD3 480-615386/4	0.2	941481.0			4707405.0	Y
6	STD2 480-615386/3	0.25	1110597.0			4442388.0	Y
7	STD1 480-615386/2	0.5	2170913.0			4341826.0	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

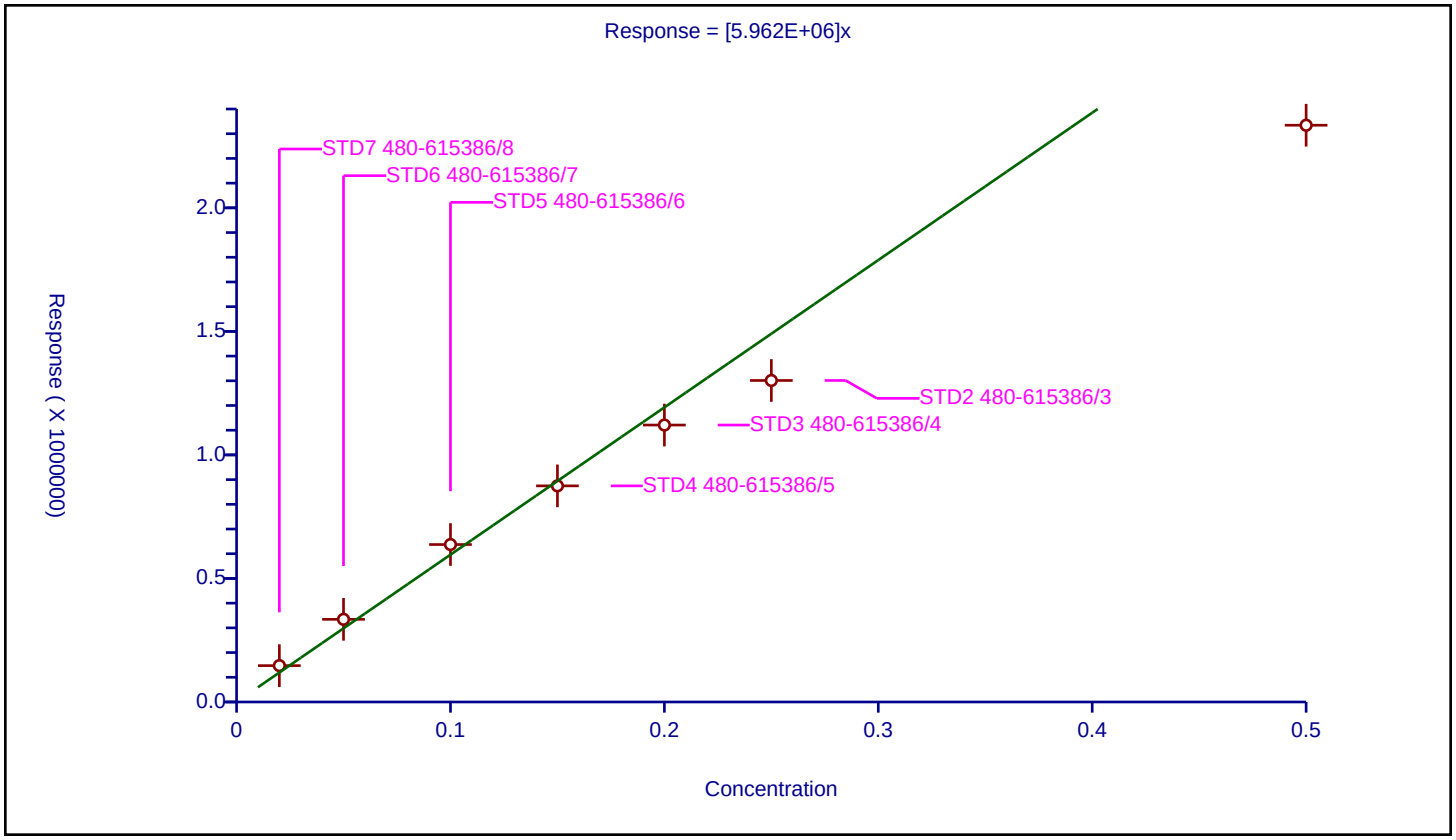
Curve Coefficients

Intercept:	0
Slope:	5.962E+06

Error Coefficients

Standard Error:	278000
Relative Standard Error:	15.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	147212.0			7360600.0	Y
2	STD6 480-615386/7	0.05	334567.0			6691340.0	Y
3	STD5 480-615386/6	0.1	637264.0			6372640.0	Y
4	STD4 480-615386/5	0.15	874704.0			5831360.0	Y
5	STD3 480-615386/4	0.2	1120964.0			5604820.0	Y
6	STD2 480-615386/3	0.25	1301227.0			5204908.0	Y
7	STD1 480-615386/2	0.5	2334344.0			4668688.0	Y



FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43131

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dichlorprop	14.360	14.360	14.353	14.353	14.353	14.353	14.353				14.323 - 14.383	14.355
2,4-D	14.920	14.913	14.913	14.913	14.907	14.907	14.907				14.877 - 14.937	14.911
Pentachlorophenol	15.980	15.980	15.980	15.980	15.980						15.950 - 16.010	15.980
Silvex (2,4,5-TP)	16.687	16.680	16.680	16.680	16.680	16.680	16.680				16.650 - 16.710	16.681
2,4,5-T	17.687	17.680	17.680	17.680	17.680	17.680	17.680				17.630 - 17.730	17.681
Dinoseb	19.720	19.720	19.720	19.713	19.713	19.713	19.713				19.683 - 19.743	19.716
Picloram	21.147	21.147	21.147	21.147	21.147	21.147	21.140				21.047 - 21.247	21.146
2,4-Dichlorophenylacetic acid	13.007	13.007	13.007	13.000	13.000	13.000	13.000				12.970 - 13.030	13.003

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43131

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.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								
Dichlorprop	3386750 2451610	3091800 2351140	2824170 2054510	2593507	Ave		2679069.52				17.0		20.0			
2,4-D	3396000 2641555	3143740 2535272	3016510 2271124	2770220	Ave		2824917.29				13.6		20.0			
Pentachlorophenol	24475050 21122995	23649040	23338340	21893847	Ave		22895854.3				5.9		20.0			
Silvex (2,4,5-TP)	10742450 9141220	10197400 8845756	10084750 8129228	9493480	Ave		9519183.43				9.4		20.0			
2,4,5-T	10269500 8985495	9866020 8700668	9897690 8214556	9278420	Ave		9316049.86				7.9		20.0			
Dinoseb	8649350 6326775	7744060 6017424	7346620 5458770	6670253	Ave		6887607.48				15.9		20.0			
Picloram	4713900 5282150	4847700 5155628	5400820 5382954	5237387	Ave		5145791.24				5.2		20.0			
2,4-Dichlorophenylacetic acid	3307600 2338705	2972880 2262632	2727770 1926490	2473860	Ave		2572848.14				18.1		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 Buffalo Job No.: 480-195466-1 Analy Batch No.: 615386

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2022 12:29 Calibration End Date: 02/18/2022 15:28 Calibration ID: 43131

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-615386/8	13_49-142.D
Level 2	STD6 480-615386/7	13_49-141.D
Level 3	STD5 480-615386/6	13_49-140.D
Level 4	STD4 480-615386/5	13_49-139.D
Level 5	STD3 480-615386/4	13_49-138.D
Level 6	STD2 480-615386/3	13_49-137.D
Level 7	STD1 480-615386/2	13_49-136.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		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
Dichlorprop	Ave	67735 587785	154590 1027255	282417	389026	490322	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-D	Ave	67920 633818	157187 1135562	301651	415533	528311	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Pentachlorophenol	Ave	489501	1182452	2333834	3284077	4224599	0.0200	0.0500	0.100	0.150	0.200
Silvex (2,4,5-TP)	Ave	214849 2211439	509870 4064614	1008475	1424022	1828244	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4,5-T	Ave	205390 2175167	493301 4107278	989769	1391763	1797099	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Dinoseb	Ave	172987 1504356	387203 2729385	734662	1000538	1265355	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
Picloram	Ave	94278 1288907	242385 2691477	540082	785608	1056430	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200
2,4-Dichlorophenylacetic acid	Ave	66152 565658	148644 963245	272777	371079	467741	0.0200 0.250	0.0500 0.500	0.100	0.150	0.200

Curve Type Legend
Ave = Average

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-136.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Feb-2022 12:29:49 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:28 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 13:18:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	908502	0.5000	0.3889	
2	13.000	13.000	0.000	963245	0.5000	0.3744	
						RPD = 3.81	
2 Dichlorprop							
1	13.287	13.287	0.000	771078	0.5000	0.3974	
2	14.353	14.353	0.000	1027255	0.5000	0.3834	
						RPD = 3.57	
3 2,4-D							
1	13.607	13.607	0.000	842423	0.5000	0.4172	
2	14.907	14.907	0.000	1135562	0.5000	0.4020	
						RPD = 3.72	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	3134734	0.5000	0.4231	
2	16.680	16.680	0.000	4064614	0.5000	0.4270	
						RPD = 0.92	
6 2,4,5-T							
1	15.460	15.460	0.000	3000393	0.5000	0.4376	
2	17.680	17.680	0.000	4107278	0.5000	0.4409	
						RPD = 0.74	
7 Picloram							
1	18.933	18.933	0.000	2170913	0.5000	0.4736	
2	21.140	21.147	-0.007	2691477	0.5000	0.5230	
						RPD = 9.92	
8 Dinoseb							
1	19.300	19.300	0.000	2334344	0.5000	0.3915	
2	19.713	19.713	0.000	2729385	0.5000	0.3963	
						RPD = 1.20	

QC Flag Legend

Processing Flags

Reagents:

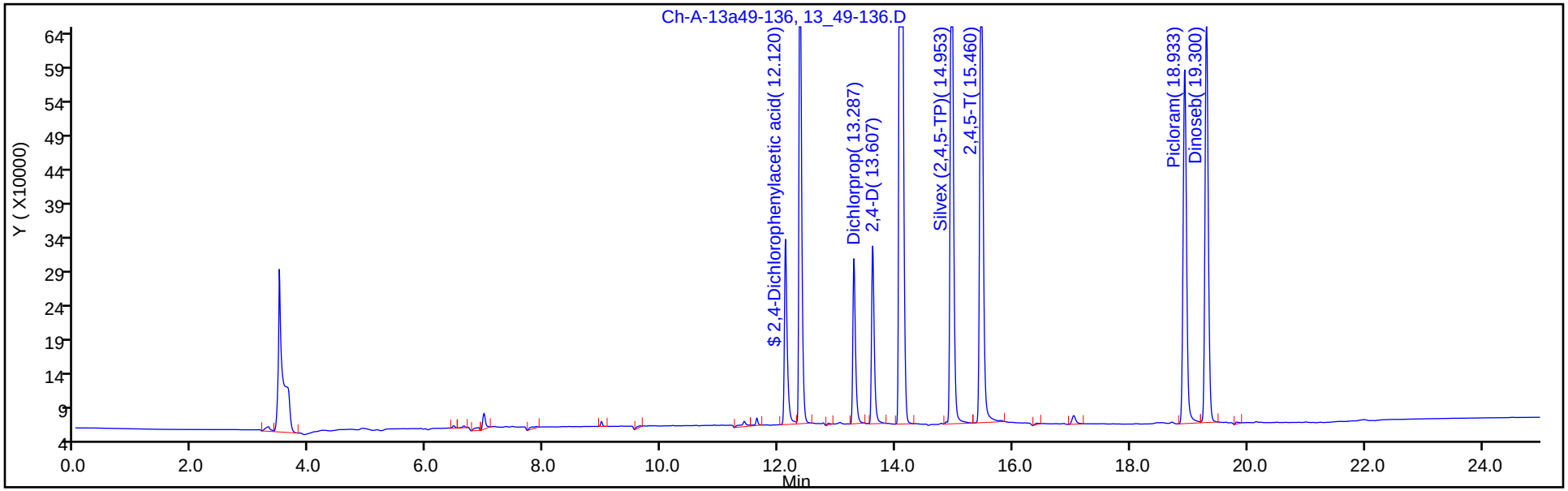
Herb_Cal 0.5_00012 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

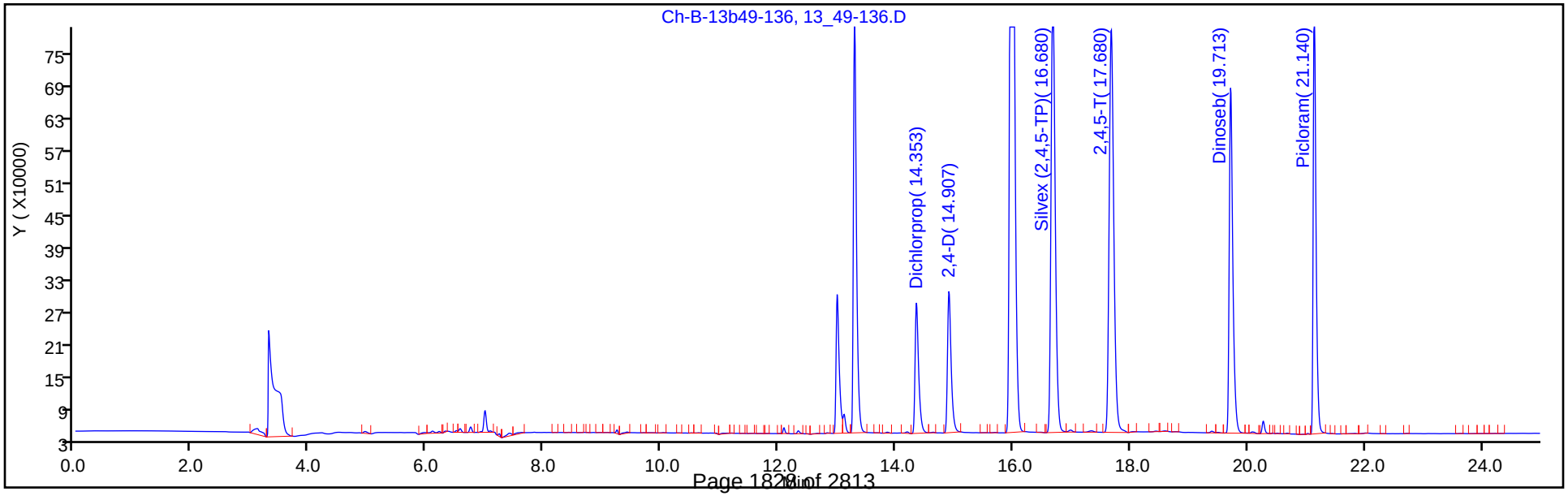
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-136.D				
Injection Date:	18-Feb-2022 12:29:49	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-137.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Feb-2022 12:59:19 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:29 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 13:35:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.120	12.120	0.000	523457	0.2500	0.2241	
2	13.000	13.000	0.000	565658	0.2500	0.2199	M
						RPD = 1.90	
2 Dichlorprop							
1	13.287	13.287	0.000	439663	0.2500	0.2266	
2	14.353	14.353	0.000	587785	0.2500	0.2194	
						RPD = 3.22	
3 2,4-D							
1	13.607	13.607	0.000	467114	0.2500	0.2313	
2	14.907	14.907	0.000	633818	0.2500	0.2244	
						RPD = 3.06	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1704841	0.2500	0.2301	
2	16.680	16.680	0.000	2211439	0.2500	0.2323	
						RPD = 0.96	
6 2,4,5-T							
1	15.460	15.460	0.000	1598380	0.2500	0.2331	
2	17.680	17.680	0.000	2175167	0.2500	0.2335	
						RPD = 0.15	
7 Picloram							
1	18.933	18.933	0.000	1110597	0.2500	0.2423	
2	21.147	21.147	0.000	1288907	0.2500	0.2505	
						RPD = 3.32	
8 Dinoseb							
1	19.300	19.300	0.000	1301227	0.2500	0.2183	
2	19.713	19.713	0.000	1504356	0.2500	0.2184	
						RPD = 0.07	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

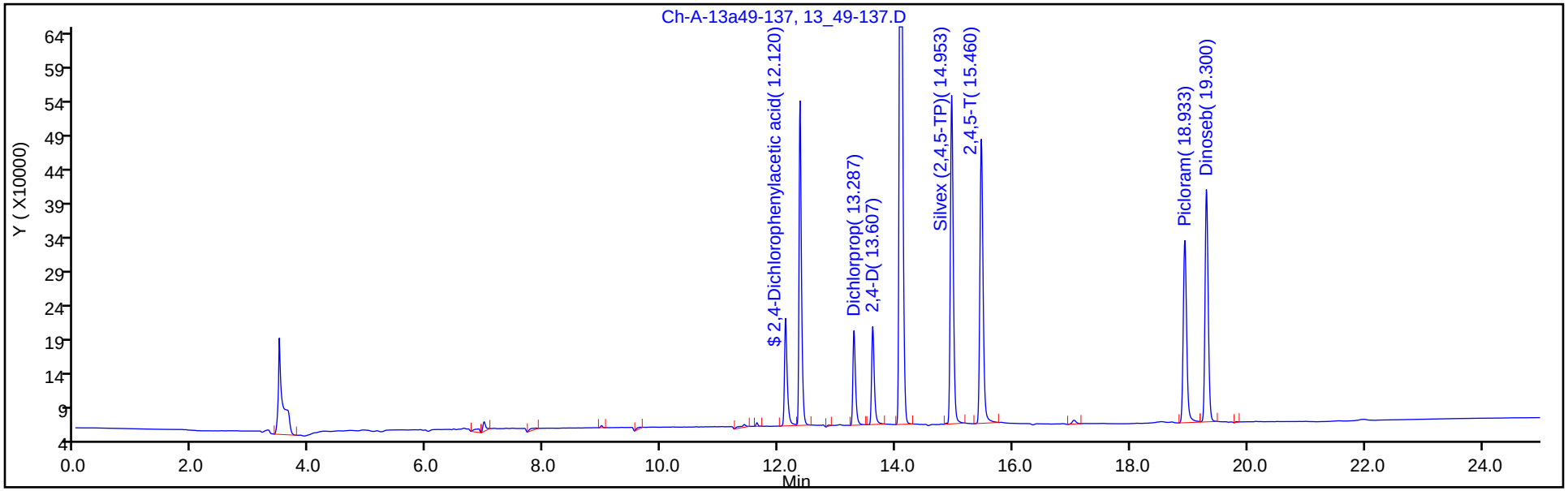
Herb_Cal 0.25_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

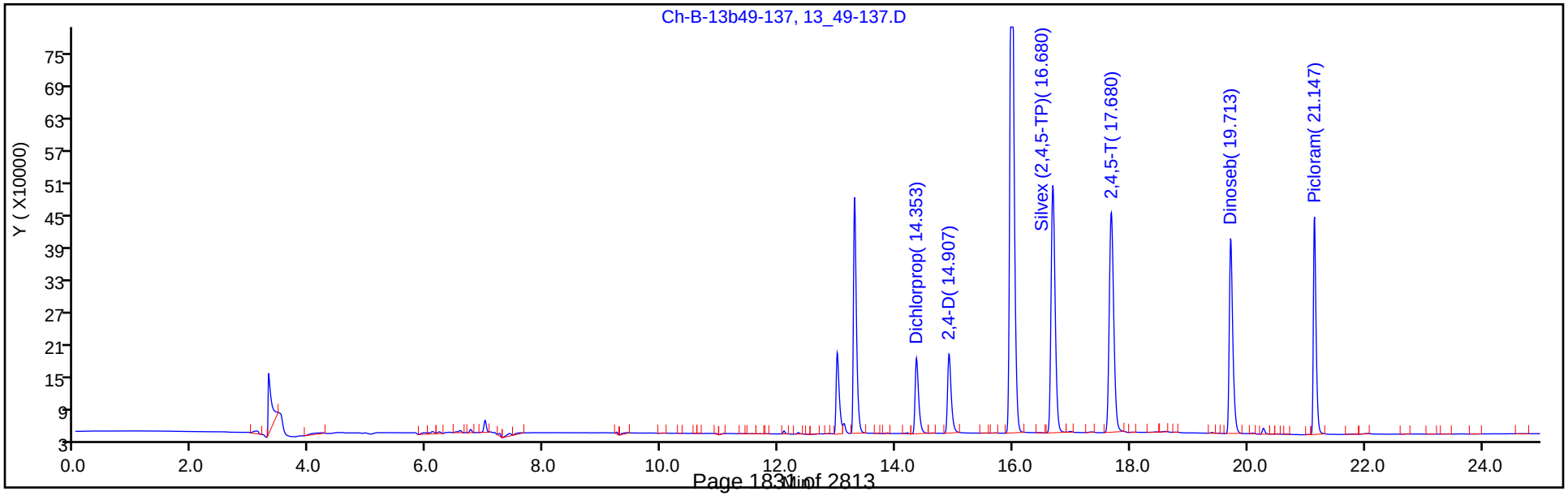
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-137.D				
Injection Date:	18-Feb-2022 12:59:19	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

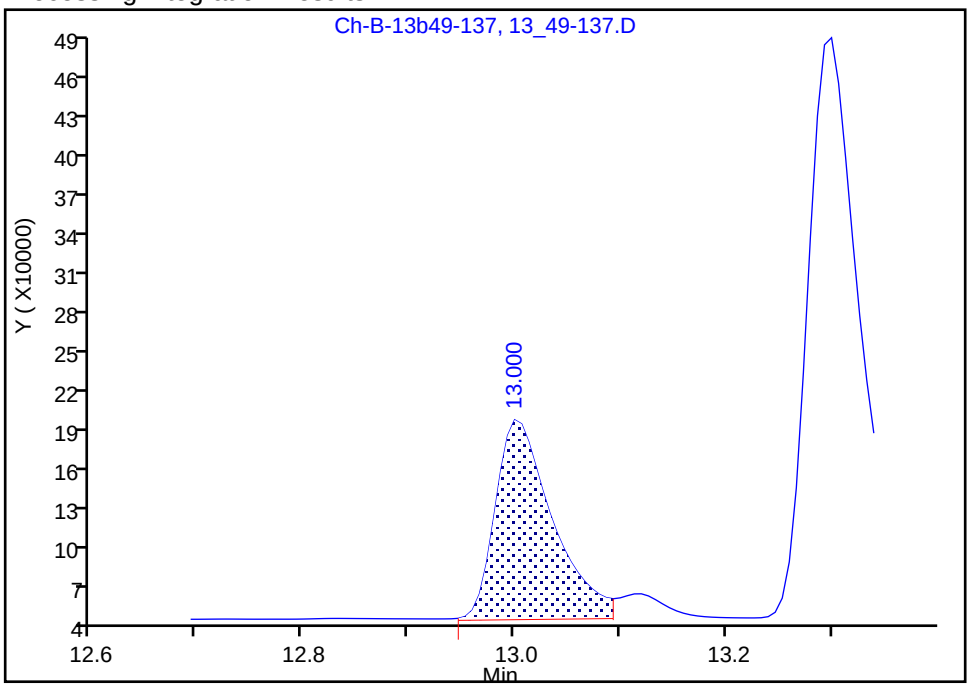
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-137.D				
Injection Date:	18-Feb-2022 12:59:19	Instrument ID:	HP5890-13		
Lims ID:	std2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

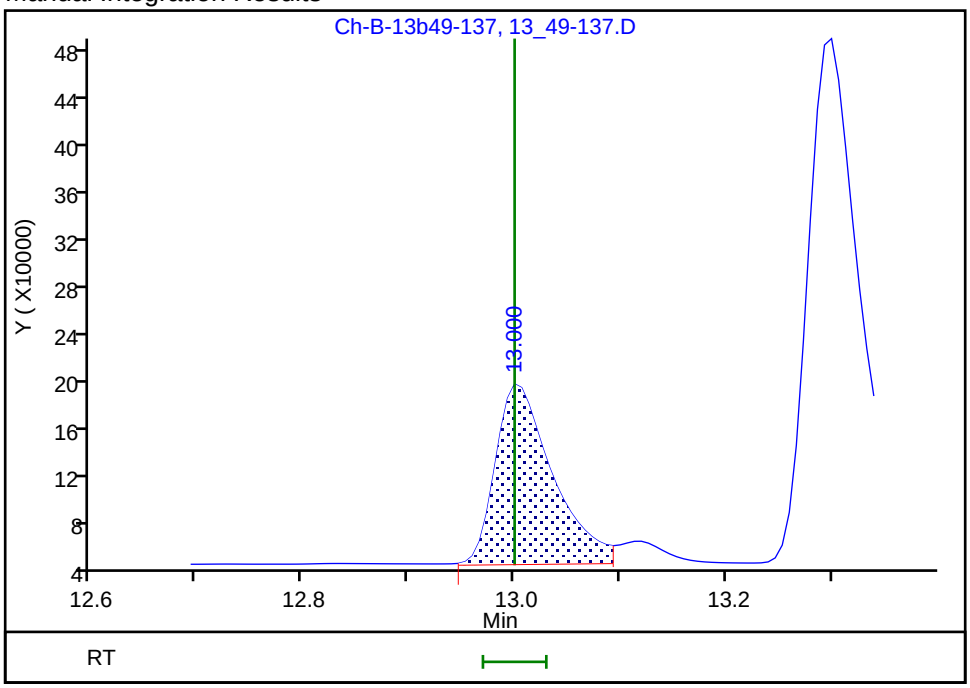
Processing Integration Results

RT: 13.00
Area: 495306
Amount: 0.253502
Amount Units: ng/ul



Manual Integration Results

RT: 13.00
Area: 565658
Amount: 0.219857
Amount Units: ng/ul



Reviewer: NearyM, 18-Feb-2022 13:35:00
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-138.D
Lims ID: std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Feb-2022 13:29:03 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:30 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 14:28:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	434181	0.2000	0.1859	
2	13.000	13.000	0.000	467741	0.2000	0.1818	
						RPD = 2.21	
2 Dichlorprop							
1	13.287	13.287	0.000	365528	0.2000	0.1884	
2	14.353	14.353	0.000	490322	0.2000	0.1830	
						RPD = 2.89	
3 2,4-D							
1	13.607	13.607	0.000	386909	0.2000	0.1916	
2	14.907	14.907	0.000	528311	0.2000	0.1870	
						RPD = 2.43	
4 Pentachlorophenol							
1	14.093	14.093	0.000	3600814	0.2000	0.1717	
2	15.980	15.980	0.000	4224599	0.2000	0.1845	
						RPD = 7.18	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1415647	0.2000	0.1911	
2	16.680	16.680	0.000	1828244	0.2000	0.1921	
						RPD = 0.52	
6 2,4,5-T							
1	15.460	15.460	0.000	1318900	0.2000	0.1924	
2	17.680	17.680	0.000	1797099	0.2000	0.1929	
						RPD = 0.27	
7 Picloram							
1	18.933	18.933	0.000	941481	0.2000	0.2054	
2	21.147	21.147	0.000	1056430	0.2000	0.2053	
						RPD = 0.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.300	19.300	0.000	1120964	0.2000	0.1880	
2	19.713	19.713	0.000	1265355	0.2000	0.1837	
						RPD = 2.31	

QC Flag Legend

Processing Flags

Reagents:

Herb_Cal 0.20_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-138.D

Injection Date: 18-Feb-2022 13:29:03 Instrument ID: HP5890-13 Operator ID: BufTCHROM

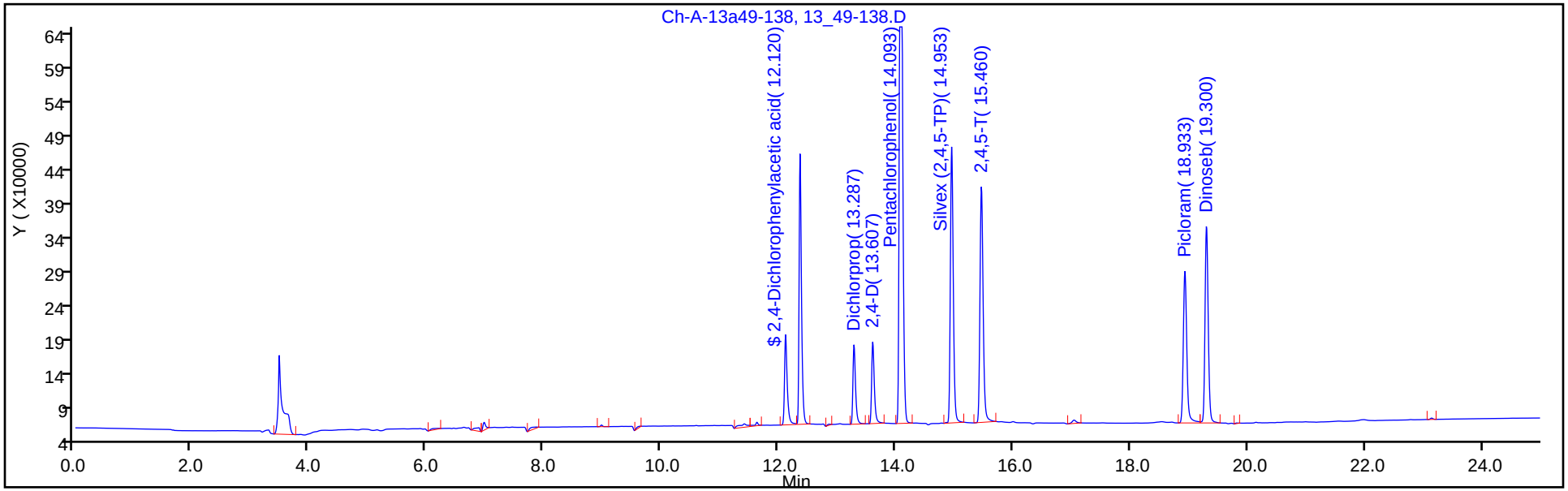
Lims ID: std3 Worklist Smp#: 4

Client ID:

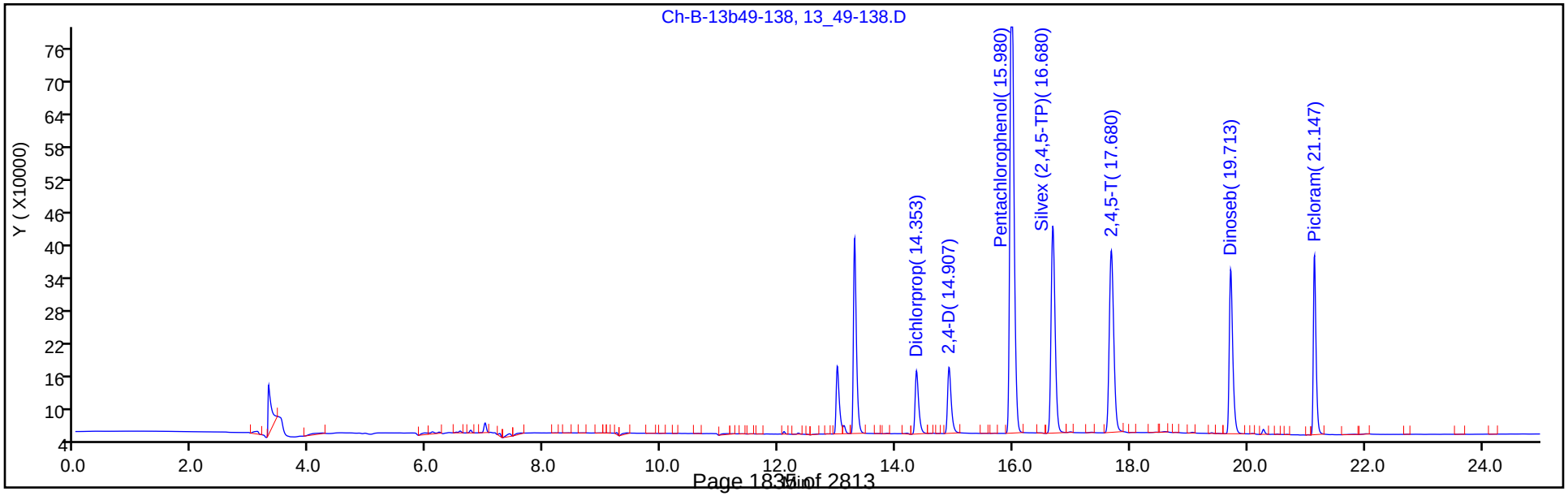
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-139.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Feb-2022 13:58:48 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 18-Feb-2022 14:57:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	343141	0.1500	0.1469	
2	13.000	13.000	0.000	371079	0.1500	0.1442	
						RPD = 1.83	
2 Dichlorprop							
1	13.287	13.287	0.000	288890	0.1500	0.1489	
2	14.353	14.353	0.000	389026	0.1500	0.1452	
						RPD = 2.50	
3 2,4-D							
1	13.607	13.607	0.000	302618	0.1500	0.1499	
2	14.913	14.907	0.006	415533	0.1500	0.1471	
						RPD = 1.87	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2984950	0.1500	0.1424	
2	15.980	15.980	0.000	3284077	0.1500	0.1434	
						RPD = 0.75	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	1109891	0.1500	0.1498	
2	16.680	16.680	0.000	1424022	0.1500	0.1496	
						RPD = 0.13	
6 2,4,5-T							
1	15.467	15.460	0.007	1027757	0.1500	0.1499	
2	17.680	17.680	0.000	1391763	0.1500	0.1494	
						RPD = 0.35	
7 Picloram							
1	18.940	18.933	0.007	712340	0.1500	0.1554	
2	21.147	21.147	0.000	785608	0.1500	0.1527	
						RPD = 1.78	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	874704	0.1500	0.1467	
2	19.713	19.713	0.000	1000538	0.1500	0.1453	
						RPD = 0.99	

QC Flag Legend

Processing Flags

Reagents:

Herb_Cal 0.15_00012 Amount Added: 1.00 Units: mL

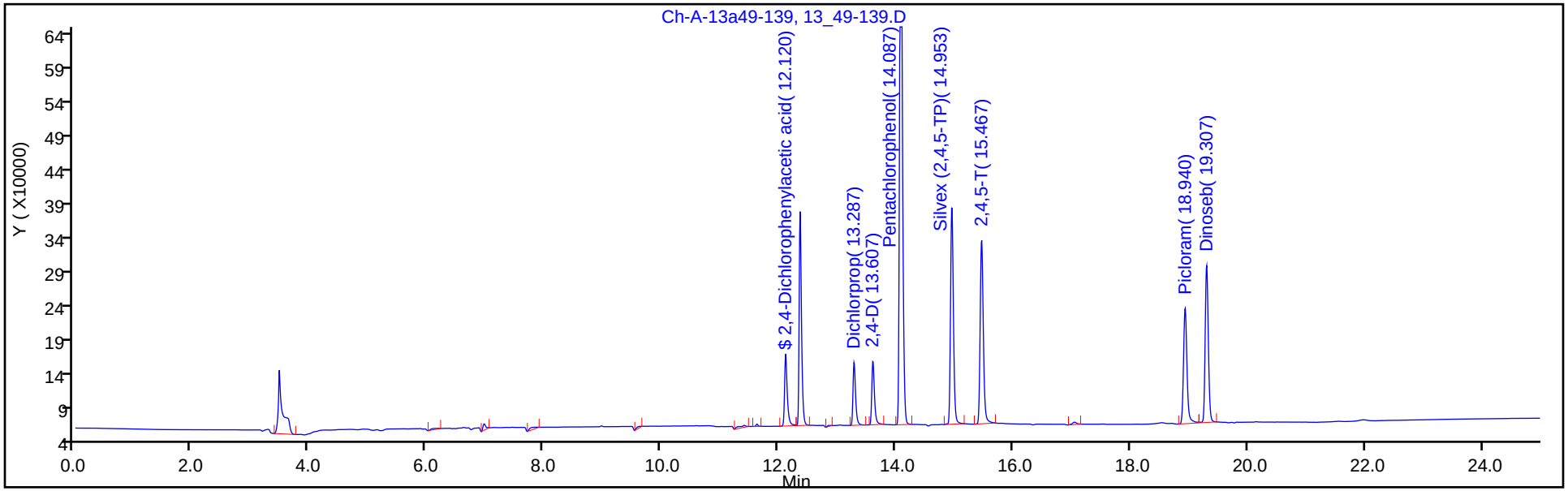
Report Date: 21-Feb-2022 06:30:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

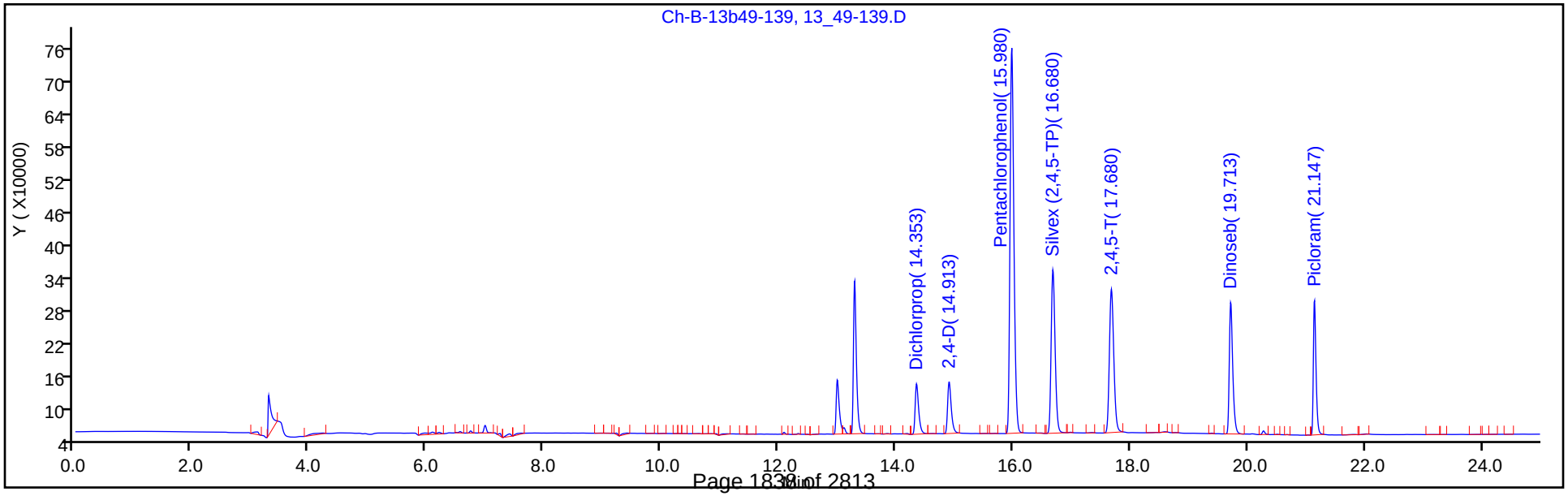
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-139.D

Injection Date:	18-Feb-2022 13:58:48	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-140.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Feb-2022 14:28:31 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.120	12.120	0.000	249635	0.1000	0.1069	
2	13.007	13.000	0.007	272777	0.1000	0.1060	
						RPD = 0.79	
2 Dichlorprop							
1	13.287	13.287	0.000	206714	0.1000	0.1065	
2	14.353	14.353	0.000	282417	0.1000	0.1054	
						RPD = 1.05	
3 2,4-D							
1	13.607	13.607	0.000	216191	0.1000	0.1071	
2	14.913	14.907	0.006	301651	0.1000	0.1068	
						RPD = 0.27	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2143560	0.1000	0.1022	
2	15.980	15.980	0.000	2333834	0.1000	0.1019	
						RPD = 0.29	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	785870	0.1000	0.1061	
2	16.680	16.680	0.000	1008475	0.1000	0.1059	
						RPD = 0.12	
6 2,4,5-T							
1	15.467	15.460	0.007	726502	0.1000	0.1060	
2	17.680	17.680	0.000	989769	0.1000	0.1062	
						RPD = 0.26	
7 Picloram							
1	18.940	18.933	0.007	492454	0.1000	0.1074	
2	21.147	21.147	0.000	540082	0.1000	0.1050	
						RPD = 2.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.300	19.300	0.000	637264	0.1000	0.1069	
2	19.720	19.713	0.007	734662	0.1000	0.1067	
						RPD =	0.21

QC Flag Legend

Processing Flags

Reagents:

Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-140.D

Injection Date: 18-Feb-2022 14:28:31 Instrument ID: HP5890-13 Operator ID: BufTCHROM

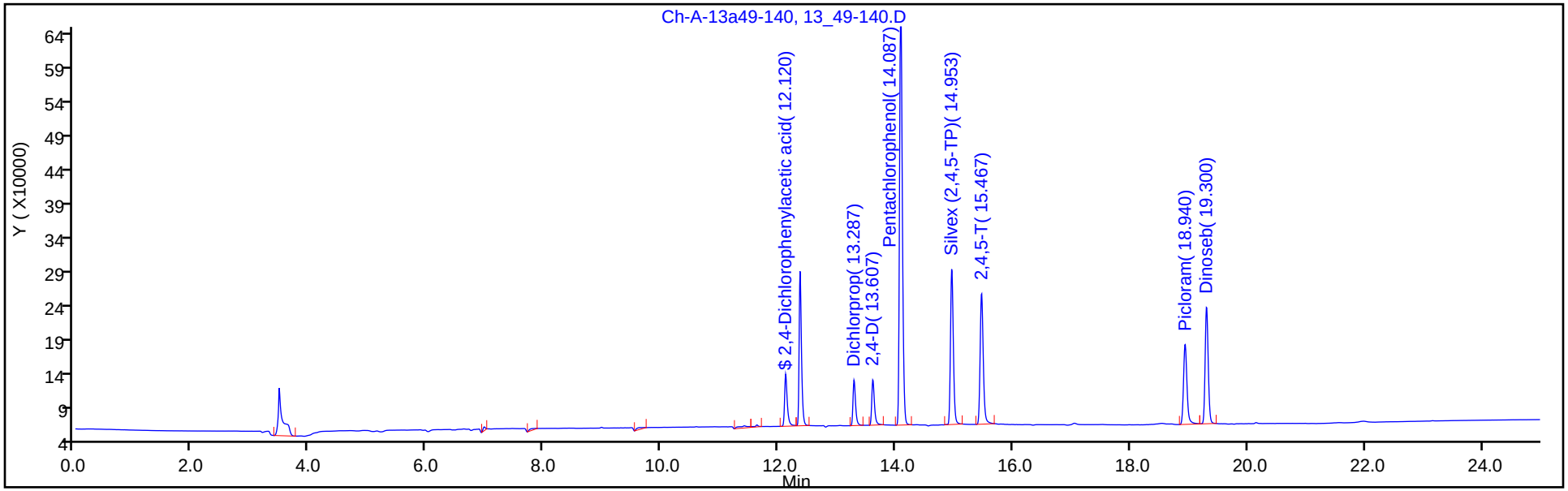
Lims ID: std5 Worklist Smp#: 6

Client ID:

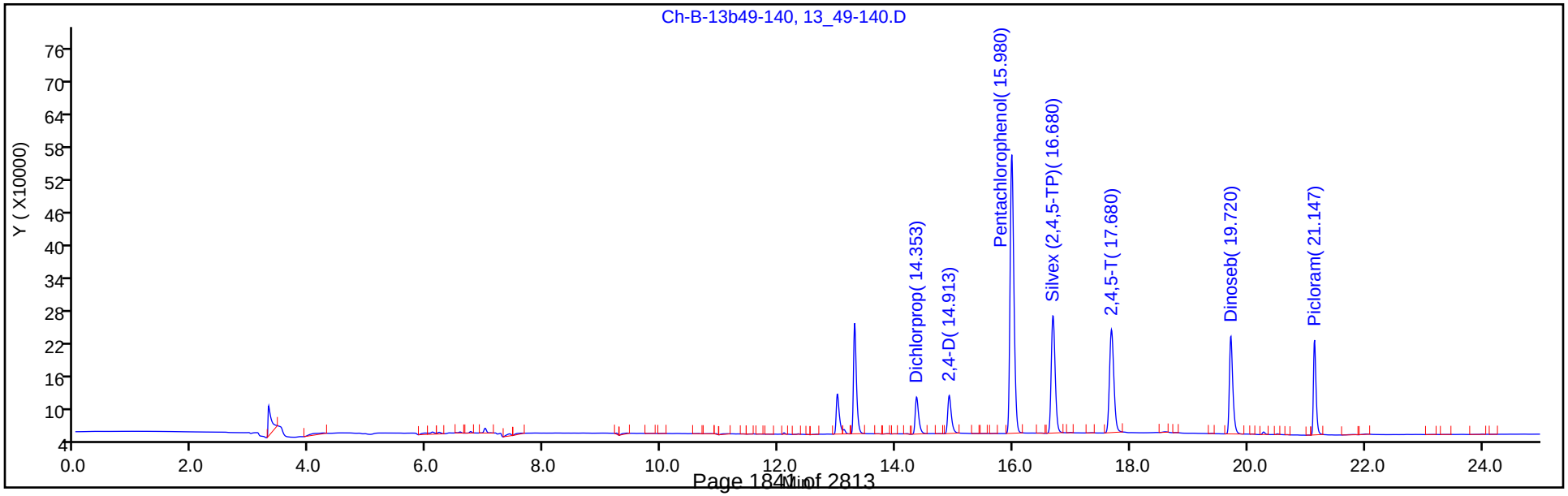
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-141.D
Lims ID: std6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Feb-2022 14:58:36 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:32 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.127	12.120	0.007	133394	0.0500	0.0571	
2	13.007	13.000	0.007	148644	0.0500	0.0578	M
						RPD = 1.17	
2 Dichlorprop							
1	13.293	13.287	0.006	108686	0.0500	0.0560	
2	14.360	14.353	0.007	154590	0.0500	0.0577	
						RPD = 2.97	
3 2,4-D							
1	13.613	13.607	0.006	110433	0.0500	0.0547	
2	14.913	14.907	0.006	157187	0.0500	0.0556	
						RPD = 1.72	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	1109664	0.0500	0.0529	
2	15.980	15.980	0.000	1182452	0.0500	0.0516	
						RPD = 2.44	
5 Silvex (2,4,5-TP)							
1	14.960	14.953	0.007	400300	0.0500	0.0540	
2	16.680	16.680	0.000	509870	0.0500	0.0536	
						RPD = 0.86	
6 2,4,5-T							
1	15.467	15.460	0.007	364835	0.0500	0.0532	
2	17.680	17.680	0.000	493301	0.0500	0.0530	
						RPD = 0.50	
7 Picloram							
1	18.947	18.933	0.014	224028	0.0500	0.0489	
2	21.147	21.147	0.000	242385	0.0500	0.0471	
						RPD = 3.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	334567	0.0500	0.0561	
2	19.720	19.713	0.007	387203	0.0500	0.0562	
						RPD = 0.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_Cal 0.05_00011 Amount Added: 1.00 Units: mL

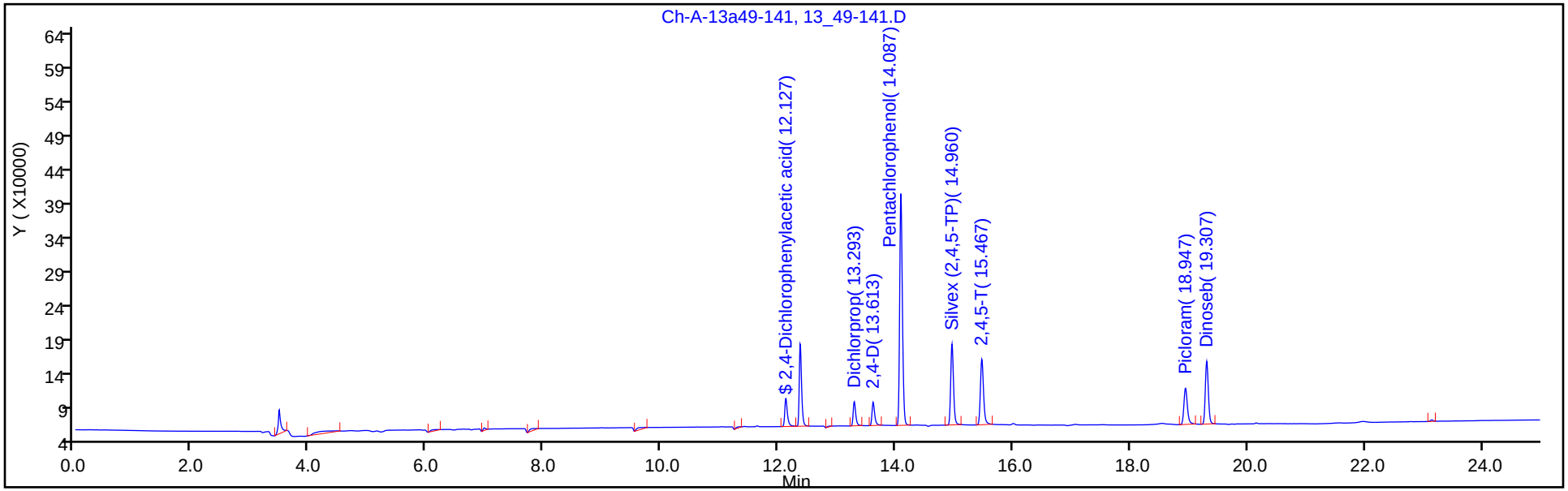
Report Date: 21-Feb-2022 06:30:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

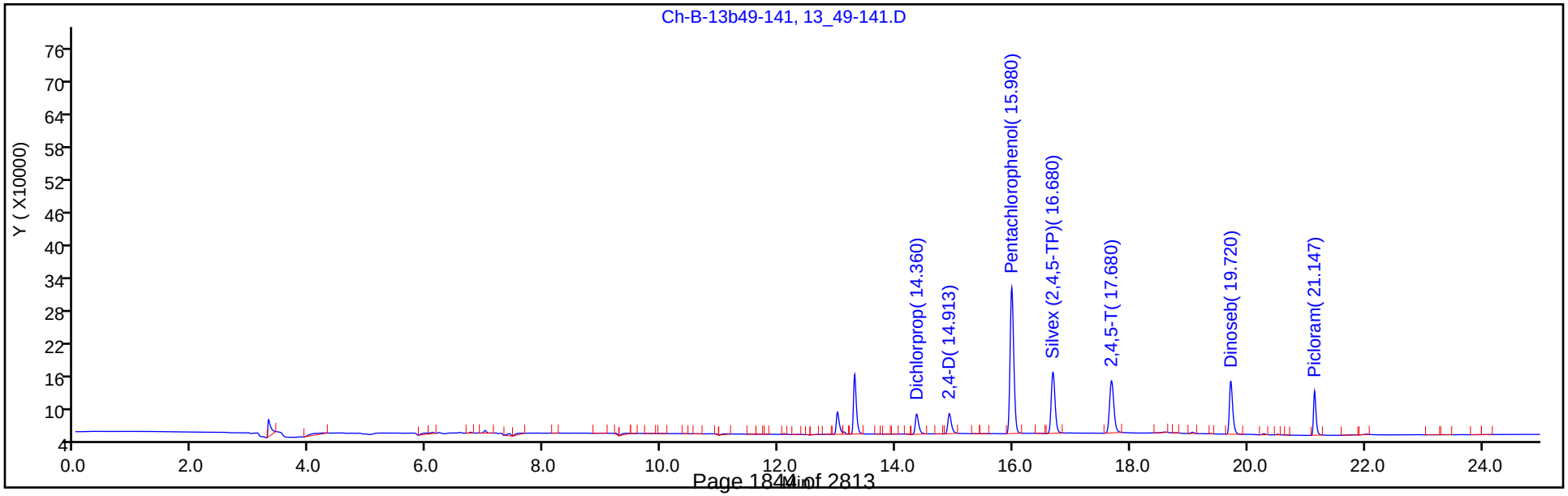
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-141.D

Injection Date:	18-Feb-2022 14:58:36	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	std6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

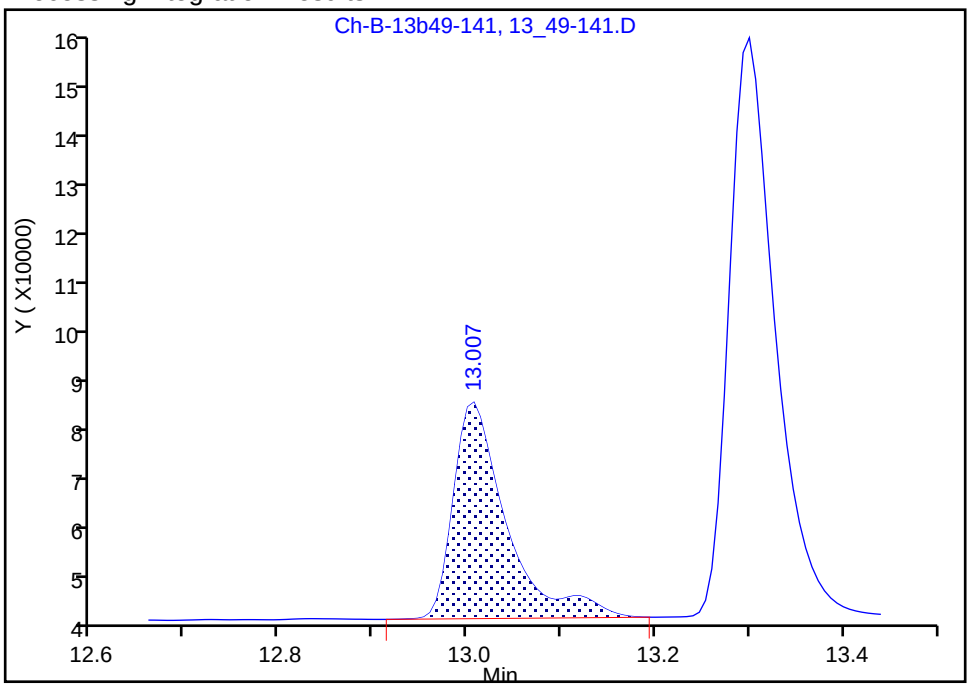
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-141.D				
Injection Date:	18-Feb-2022 14:58:36	Instrument ID:	HP5890-13		
Lims ID:	std6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

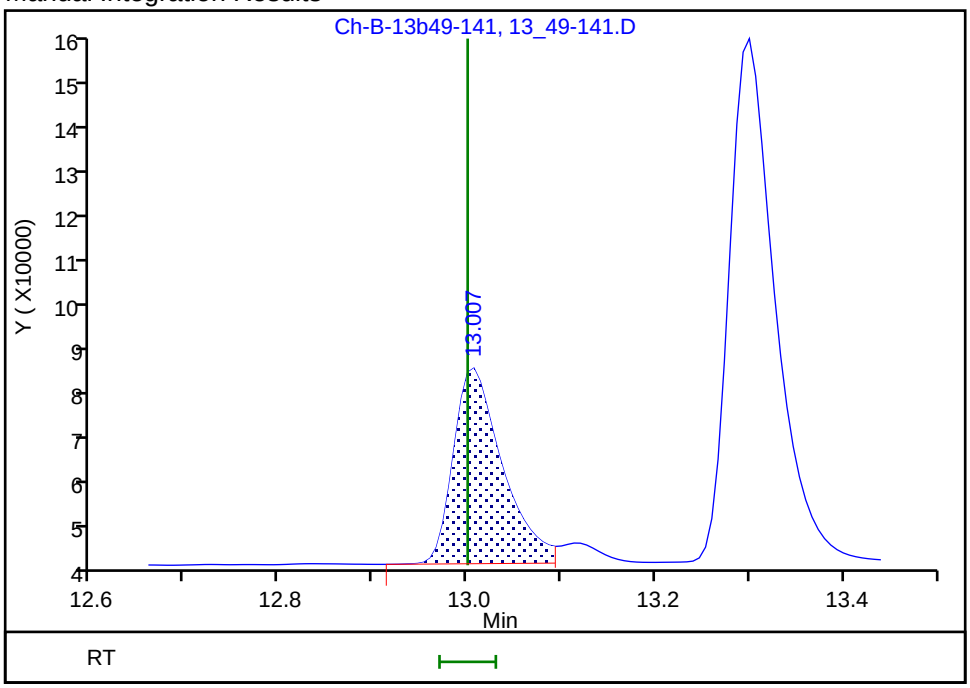
Processing Integration Results

RT: 13.01
Area: 160992
Amount: 0.060689
Amount Units: ng/ul



Manual Integration Results

RT: 13.01
Area: 148644
Amount: 0.057774
Amount Units: ng/ul



Reviewer: NearyM, 21-Feb-2022 06:18:14

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D
Lims ID: std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Feb-2022 15:28:13 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 06:30:33 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:18:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.127	12.120	0.007	56367	0.0200	0.0241	
2	13.007	13.000	0.007	66152	0.0200	0.0257	M
						RPD = 6.35	
2 Dichlorprop							
1	13.293	13.287	0.006	45747	0.0200	0.0236	
2	14.360	14.353	0.007	67735	0.0200	0.0253	
						RPD = 6.99	
3 2,4-D							
1	13.613	13.607	0.006	45163	0.0200	0.0224	
2	14.920	14.907	0.013	67920	0.0200	0.0240	
						RPD = 7.22	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	466134	0.0200	0.0222	
2	15.980	15.980	0.000	489501	0.0200	0.0214	
						RPD = 3.90	
5 Silvex (2,4,5-TP)							
1	14.960	14.953	0.007	168687	0.0200	0.0228	
2	16.687	16.680	0.007	214849	0.0200	0.0226	
						RPD = 0.87	
6 2,4,5-T							
1	15.473	15.460	0.013	151761	0.0200	0.0221	
2	17.687	17.680	0.007	205390	0.0200	0.0220	
						RPD = 0.40	
7 Picloram							
1	18.947	18.933	0.014	88781	0.0200	0.0194	
2	21.147	21.147	0.000	94278	0.0200	0.0183	
						RPD = 5.56	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.307	19.300	0.007	147212	0.0200	0.0247	
2	19.720	19.713	0.007	172987	0.0200	0.0251	
						RPD = 1.70	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_Cal 0.02_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 06:30:33 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Injection Date: 18-Feb-2022 15:28:13 Instrument ID: HP5890-13 Operator ID: BufTCHROM

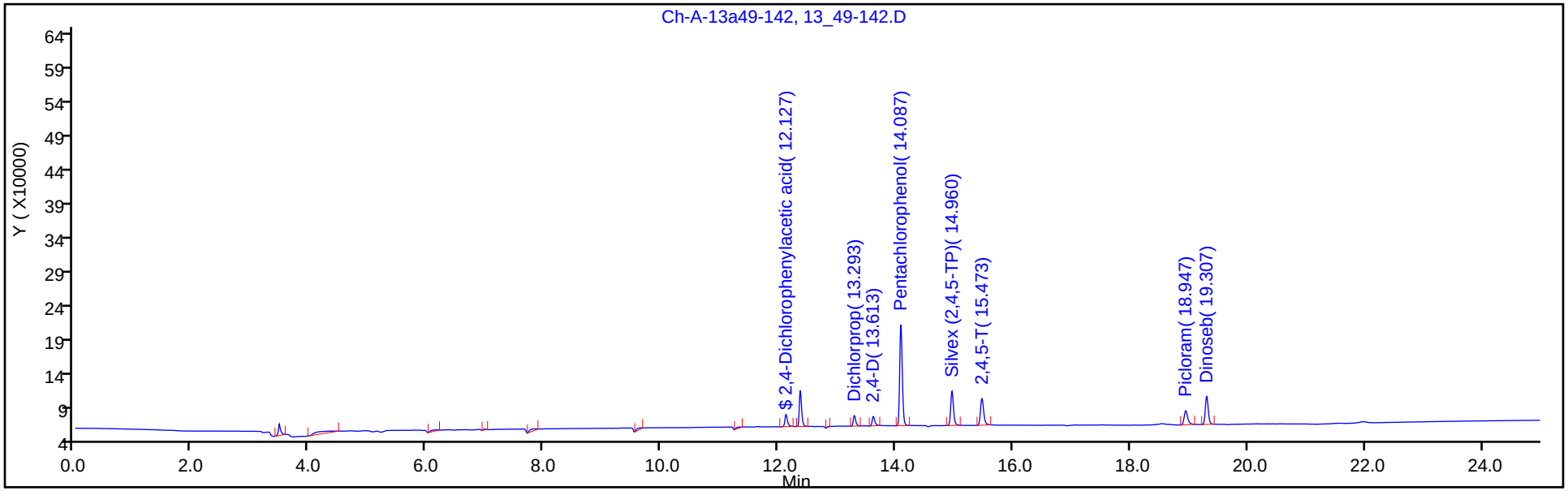
Lims ID: std7 Worklist Smp#: 8

Client ID:

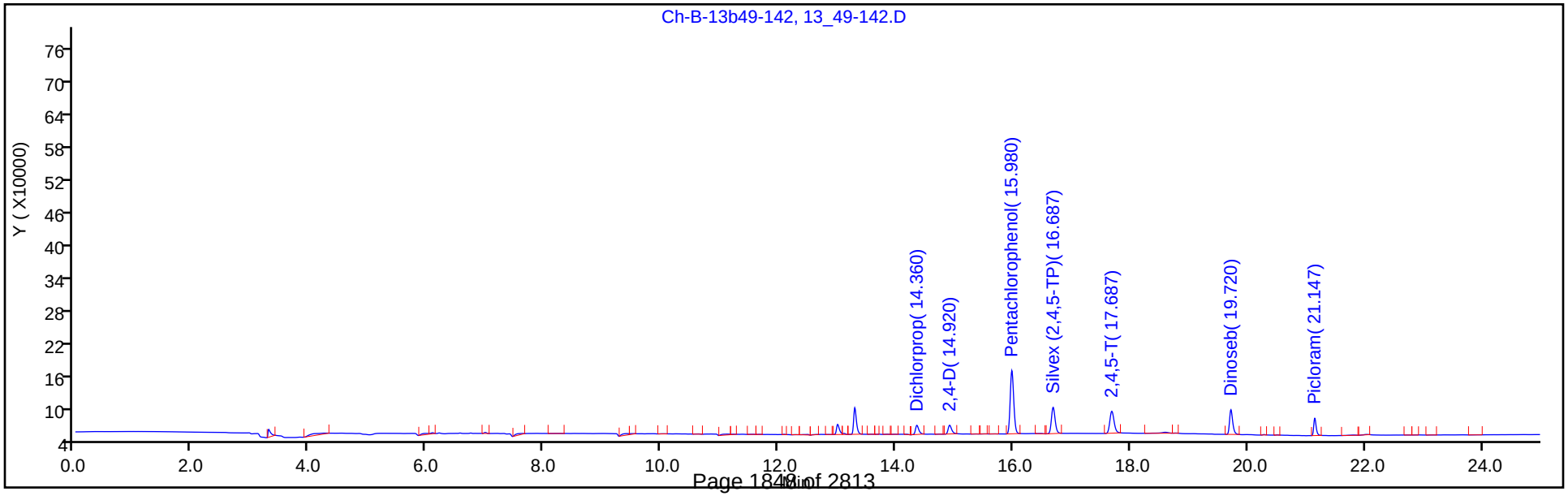
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

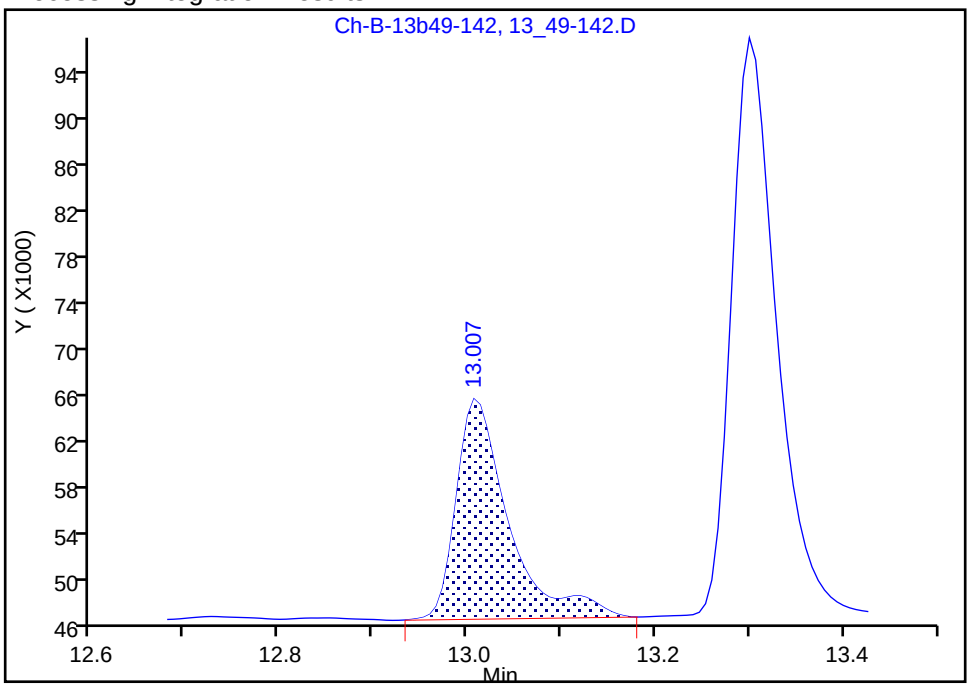
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Injection Date:	18-Feb-2022 15:28:13	Instrument ID:	HP5890-13		
Lims ID:	std7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

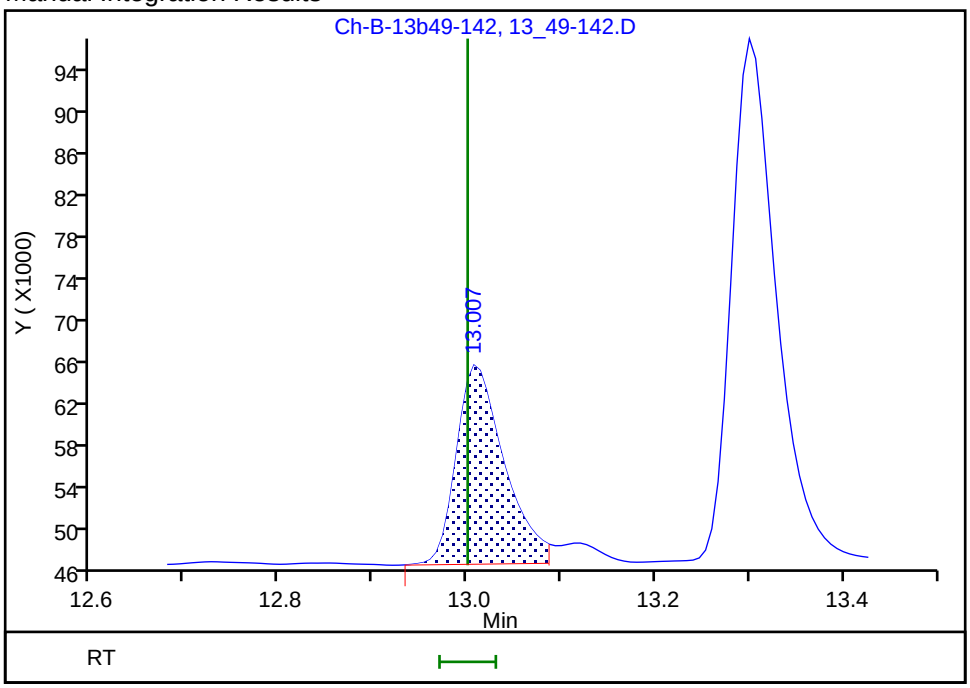
Processing Integration Results

RT: 13.01
Area: 72399
Amount: 0.027660
Amount Units: ng/ul



Manual Integration Results

RT: 13.01
Area: 66152
Amount: 0.025712
Amount Units: ng/ul



Reviewer: NearyM, 21-Feb-2022 06:18:34

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Calibration / 2,4-Dichlorophenylacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

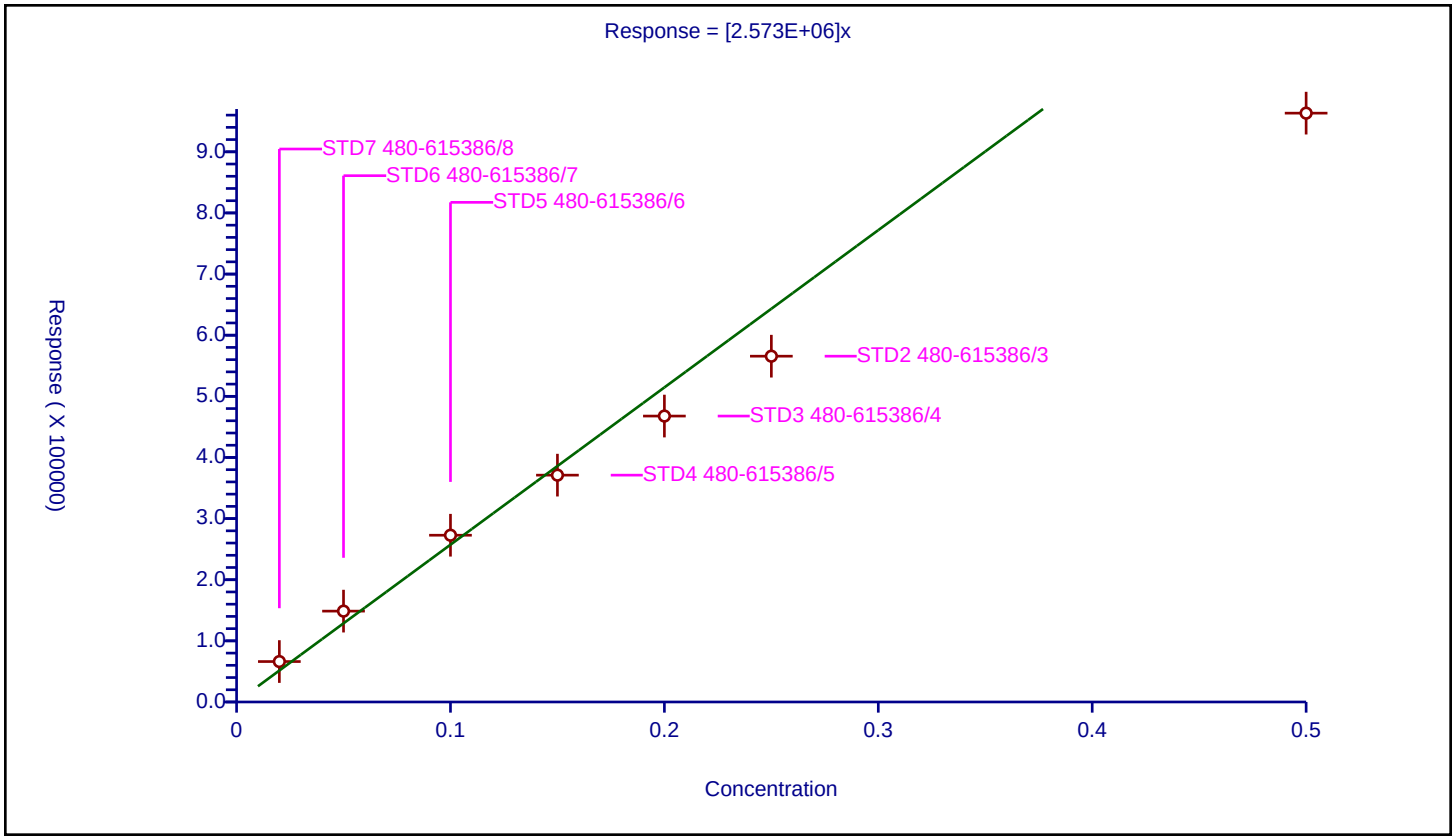
Curve Coefficients

Intercept:	0
Slope:	2.573E+06

Error Coefficients

Standard Error:	138000
Relative Standard Error:	18.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	66152.0			3307600.0	Y
2	STD6 480-615386/7	0.05	148644.0			2972880.0	Y
3	STD5 480-615386/6	0.1	272777.0			2727770.0	Y
4	STD4 480-615386/5	0.15	371079.0			2473860.0	Y
5	STD3 480-615386/4	0.2	467741.0			2338705.0	Y
6	STD2 480-615386/3	0.25	565658.0			2262632.0	Y
7	STD1 480-615386/2	0.5	963245.0			1926490.0	Y



Calibration / Dichlorprop

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

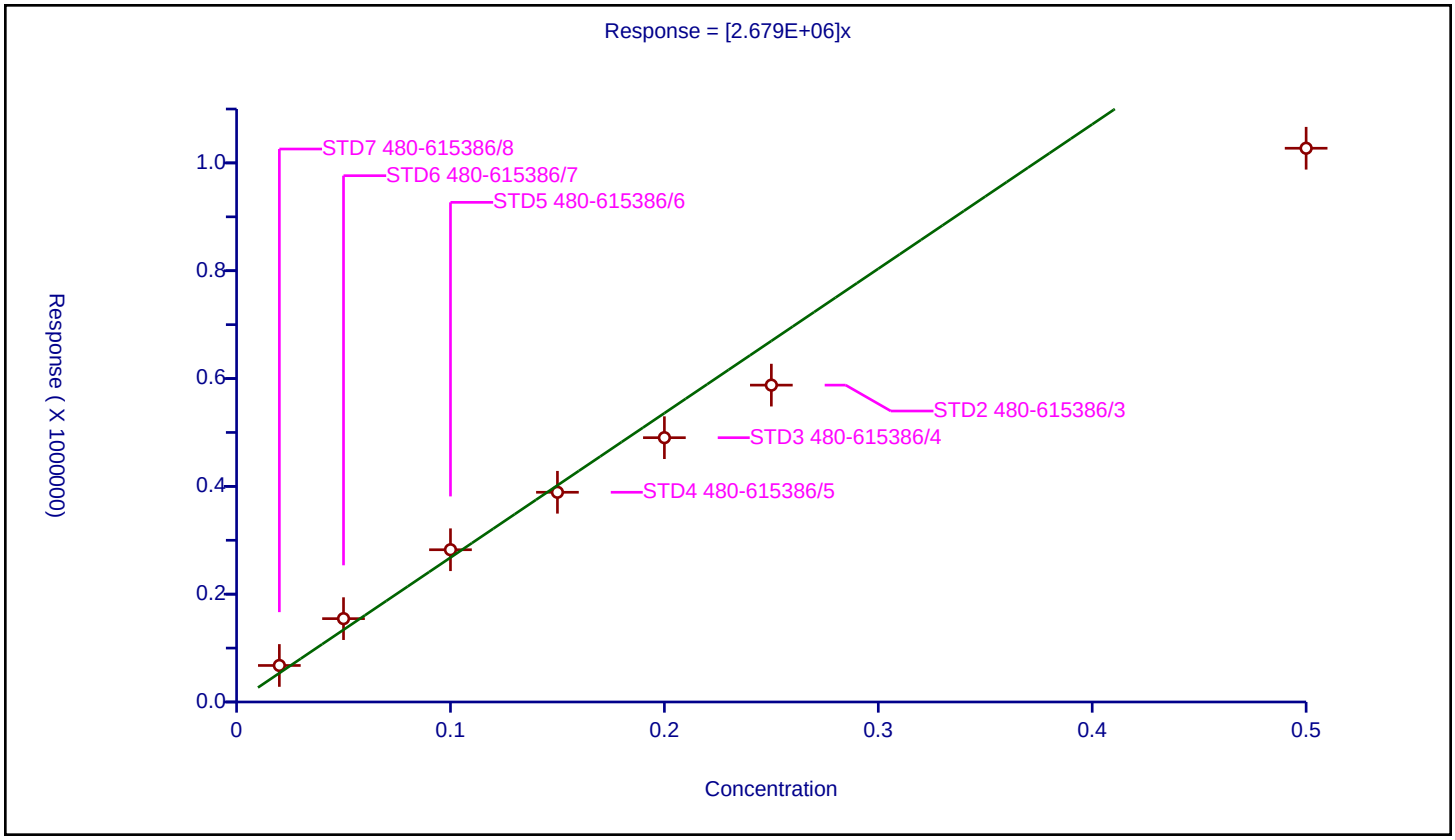
Curve Coefficients

Intercept:	0
Slope:	2.679E+06

Error Coefficients

Standard Error:	134000
Relative Standard Error:	17.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	67735.0			3386750.0	Y
2	STD6 480-615386/7	0.05	154590.0			3091800.0	Y
3	STD5 480-615386/6	0.1	282417.0			2824170.0	Y
4	STD4 480-615386/5	0.15	389026.0			2593506.666667	Y
5	STD3 480-615386/4	0.2	490322.0			2451610.0	Y
6	STD2 480-615386/3	0.25	587785.0			2351140.0	Y
7	STD1 480-615386/2	0.5	1027255.0			2054510.0	Y



Calibration / 2,4-D

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

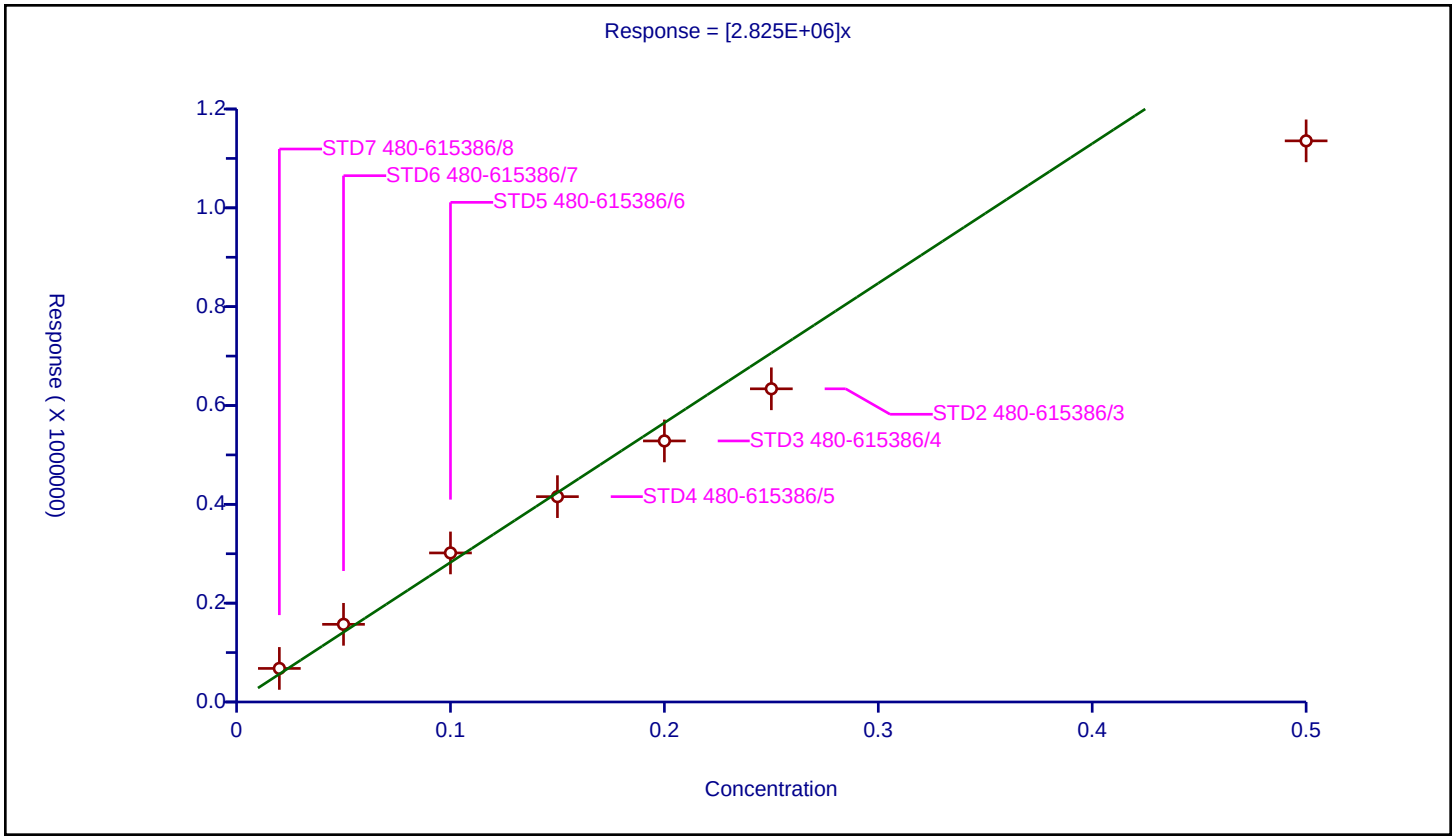
Curve Coefficients

Intercept:	0
Slope:	2.825E+06

Error Coefficients

Standard Error:	118000
Relative Standard Error:	13.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	67920.0			3396000.0	Y
2	STD6 480-615386/7	0.05	157187.0			3143740.0	Y
3	STD5 480-615386/6	0.1	301651.0			3016510.0	Y
4	STD4 480-615386/5	0.15	415533.0			2770220.0	Y
5	STD3 480-615386/4	0.2	528311.0			2641555.0	Y
6	STD2 480-615386/3	0.25	633818.0			2535272.0	Y
7	STD1 480-615386/2	0.5	1135562.0			2271124.0	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

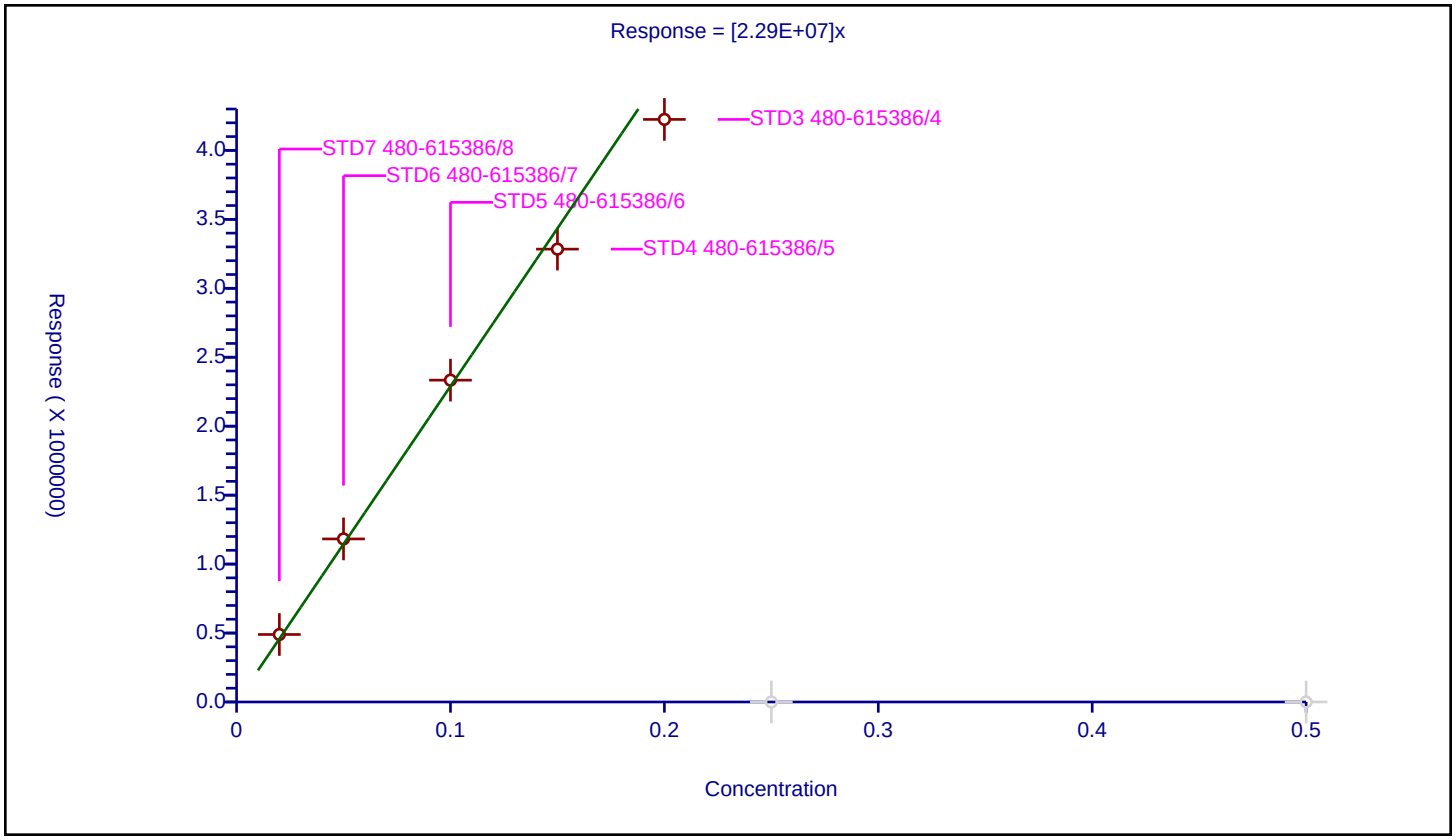
Curve Coefficients

Intercept:	0
Slope:	2.29E+07

Error Coefficients

Standard Error:	195000
Relative Standard Error:	5.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	489501.0			24475050.0	Y
2	STD6 480-615386/7	0.05	1182452.0			23649040.0	Y
3	STD5 480-615386/6	0.1	2333834.0			23338340.0	Y
4	STD4 480-615386/5	0.15	3284077.0			21893846.666667	Y
5	STD3 480-615386/4	0.2	4224599.0			21122995.0	Y
6	STD2 480-615386/3	0.25	0.0			0.0	N
7	STD1 480-615386/2	0.5	0.0			0.0	N



Calibration / Silvex (2,4,5-TP)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

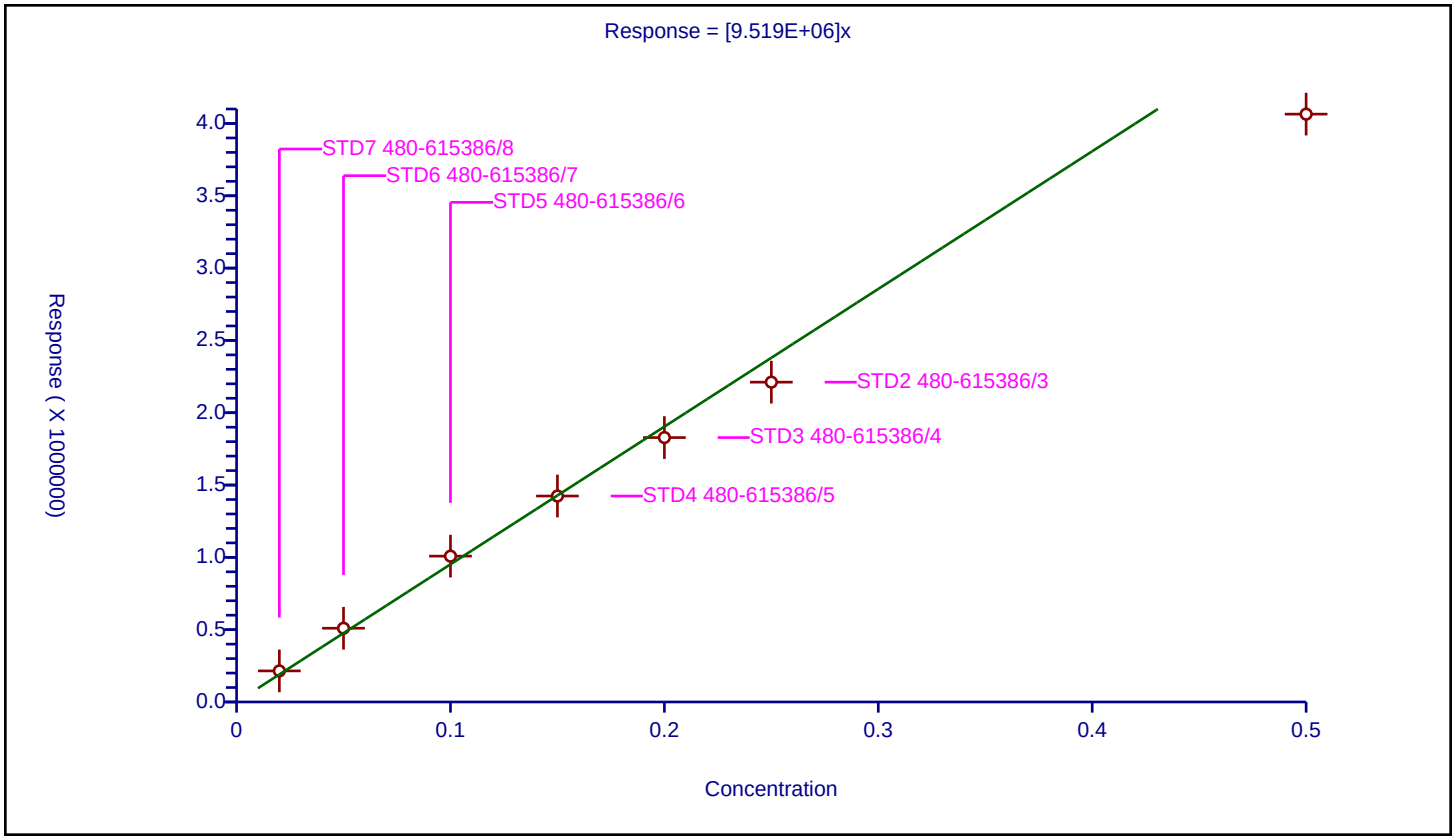
Curve Coefficients

Intercept:	0
Slope:	9.519E+06

Error Coefficients

Standard Error:	295000
Relative Standard Error:	9.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	214849.0			10742450.0	Y
2	STD6 480-615386/7	0.05	509870.0			10197400.0	Y
3	STD5 480-615386/6	0.1	1008475.0			10084750.0	Y
4	STD4 480-615386/5	0.15	1424022.0			9493480.0	Y
5	STD3 480-615386/4	0.2	1828244.0			9141220.0	Y
6	STD2 480-615386/3	0.25	2211439.0			8845756.0	Y
7	STD1 480-615386/2	0.5	4064614.0			8129228.0	Y



Calibration / 2,4,5-T

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

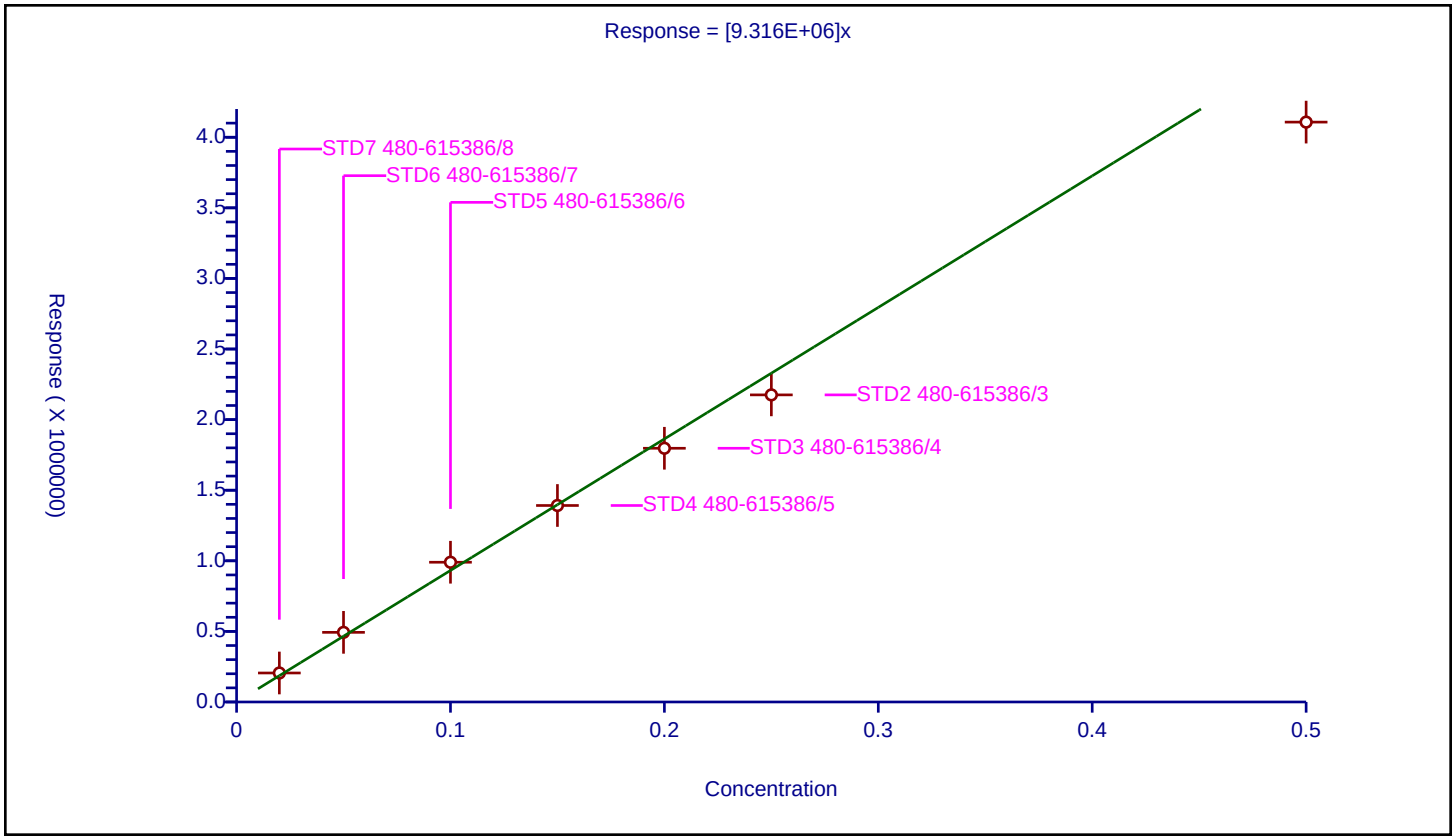
Curve Coefficients

Intercept:	0
Slope:	9.316E+06

Error Coefficients

Standard Error:	237000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	205390.0			10269500.0	Y
2	STD6 480-615386/7	0.05	493301.0			9866020.0	Y
3	STD5 480-615386/6	0.1	989769.0			9897690.0	Y
4	STD4 480-615386/5	0.15	1391763.0			9278420.0	Y
5	STD3 480-615386/4	0.2	1797099.0			8985495.0	Y
6	STD2 480-615386/3	0.25	2175167.0			8700668.0	Y
7	STD1 480-615386/2	0.5	4107278.0			8214556.0	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

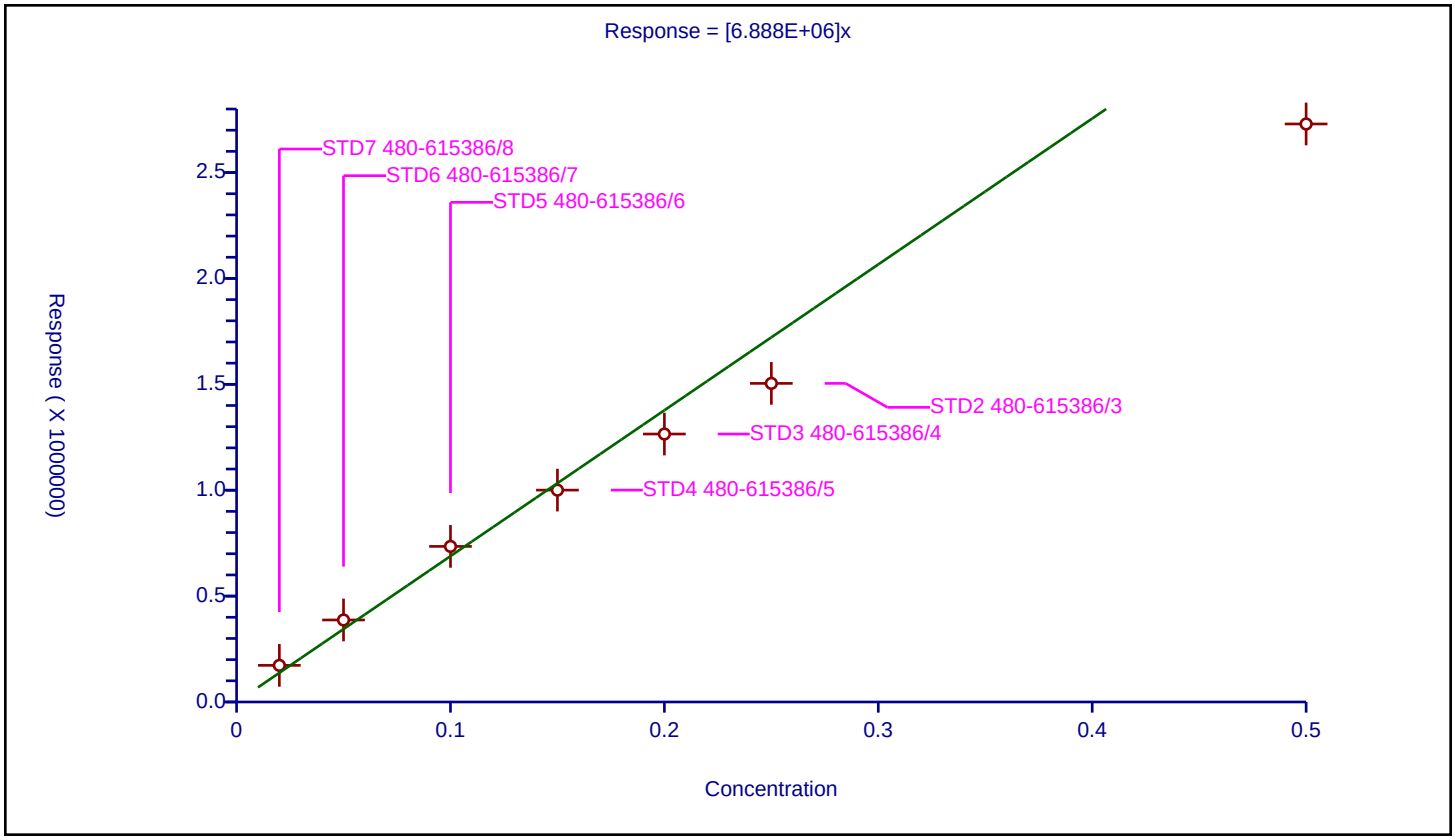
Curve Coefficients

Intercept:	0
Slope:	6.888E+06

Error Coefficients

Standard Error:	310000
Relative Standard Error:	15.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	172987.0			8649350.0	Y
2	STD6 480-615386/7	0.05	387203.0			7744060.0	Y
3	STD5 480-615386/6	0.1	734662.0			7346620.0	Y
4	STD4 480-615386/5	0.15	1000538.0			6670253.333333	Y
5	STD3 480-615386/4	0.2	1265355.0			6326775.0	Y
6	STD2 480-615386/3	0.25	1504356.0			6017424.0	Y
7	STD1 480-615386/2	0.5	2729385.0			5458770.0	Y



Calibration / Picloram

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

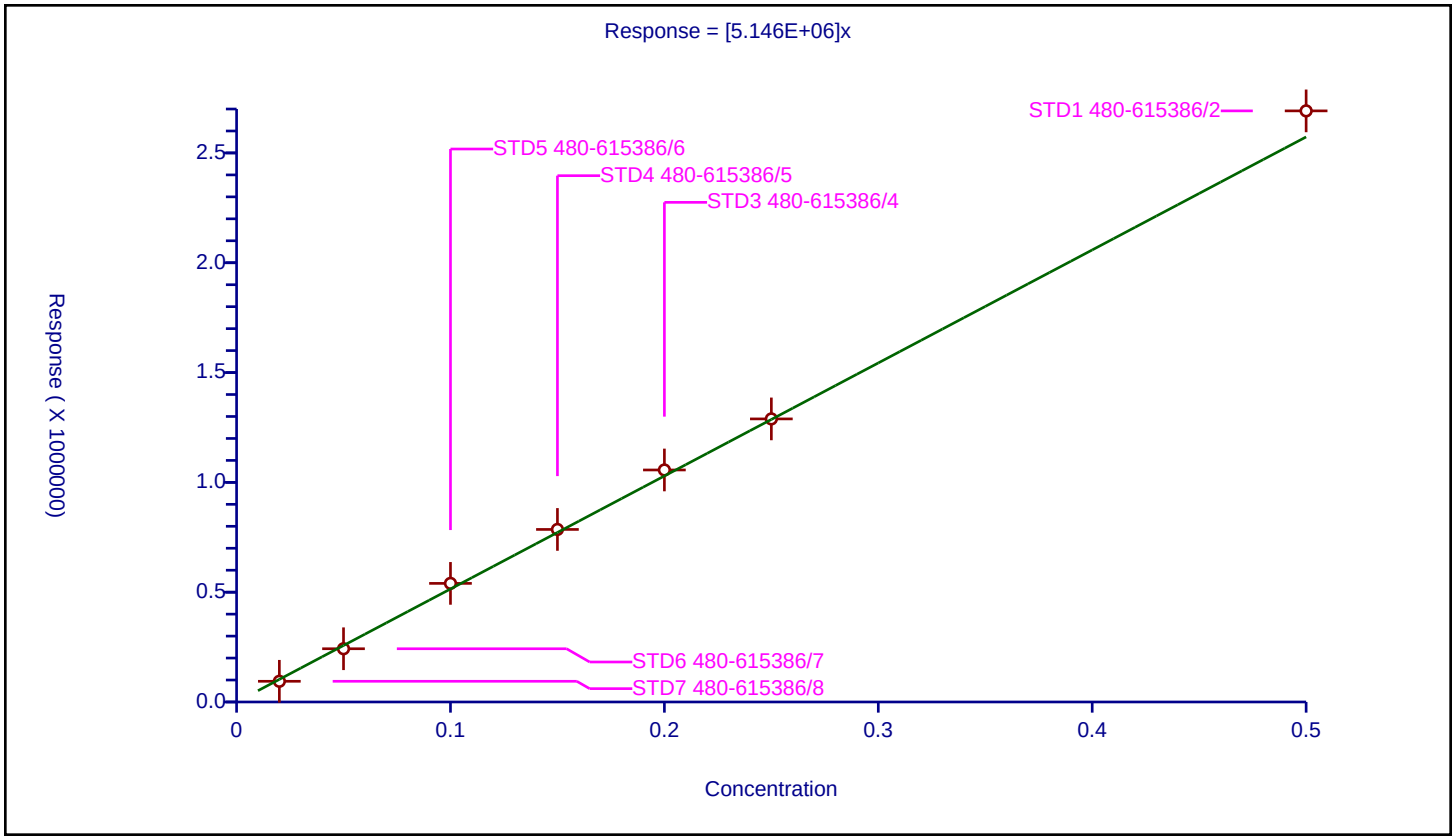
Curve Coefficients

Intercept:	0
Slope:	5.146E+06

Error Coefficients

Standard Error:	51600
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STD7 480-615386/8	0.02	94278.0			4713900.0	Y
2	STD6 480-615386/7	0.05	242385.0			4847700.0	Y
3	STD5 480-615386/6	0.1	540082.0			5400820.0	Y
4	STD4 480-615386/5	0.15	785608.0			5237386.666667	Y
5	STD3 480-615386/4	0.2	1056430.0			5282150.0	Y
6	STD2 480-615386/3	0.25	1288907.0			5155628.0	Y
7	STD1 480-615386/2	0.5	2691477.0			5382954.0	Y



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615386/9 Calibration Date: 02/18/2022 15:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-143.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1940370	1833260		0.0945	0.100	-5.5	20.0
2,4-D	Ave	2019146	1983750		0.0982	0.100	-1.8	20.0
Pentachlorophenol	Ave	20967863	21374630		0.102	0.100	1.9	20.0
Silvex (2,4,5-TP)	Ave	7409341	7486200		0.101	0.100	1.0	20.0
2,4,5-T	Ave	6855756	7120570		0.104	0.100	3.9	20.0
Picloram	Ave	4583529	4284180		0.0935	0.100	-6.5	20.0
Dinoseb	Ave	5962051	6115660		0.103	0.100	2.6	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615386/9 Calibration Date: 02/18/2022 15:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-143.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	13.29	13.26	13.32
2,4-D	13.61	13.58	13.64
Pentachlorophenol	14.09	14.06	14.12
Silvex (2,4,5-TP)	14.95	14.92	14.98
2,4,5-T	15.46	15.41	15.51
Picloram	18.94	18.83	19.03
Dinoseb	19.30	19.27	19.33

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-143.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 18-Feb-2022 15:57:57 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 08:41:15 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:26:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
2 Dichlorprop							
1	13.287	13.287	0.000	183326	0.1000	0.0945	
2	14.353	14.353	0.000	260296	0.1000	0.0972	
						RPD = 2.80	
3 2,4-D							
1	13.613	13.607	0.006	198375	0.1000	0.0982	
2	14.913	14.907	0.006	276382	0.1000	0.0978	
						RPD = 0.42	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2137463	0.1000	0.1019	
2	15.980	15.980	0.000	2341964	0.1000	0.1023	
						RPD = 0.34	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	748620	0.1000	0.1010	
2	16.680	16.680	0.000	967864	0.1000	0.1017	
						RPD = 0.63	
6 2,4,5-T							
1	15.460	15.460	0.000	712057	0.1000	0.1039	
2	17.680	17.680	0.000	964490	0.1000	0.1035	
						RPD = 0.32	
7 Picloram							
1	18.940	18.933	0.007	428418	0.1000	0.0935	
2	21.147	21.147	0.000	481941	0.1000	0.0937	
						RPD = 0.20	
8 Dinoseb							
1	19.300	19.300	0.000	611566	0.1000	0.1026	
2	19.713	19.713	0.000	710892	0.1000	0.1032	
						RPD = 0.62	

QC Flag Legend

Processing Flags

Reagents:

Herb ICV 0.1_00011 Amount Added: 1.00 Units: mL

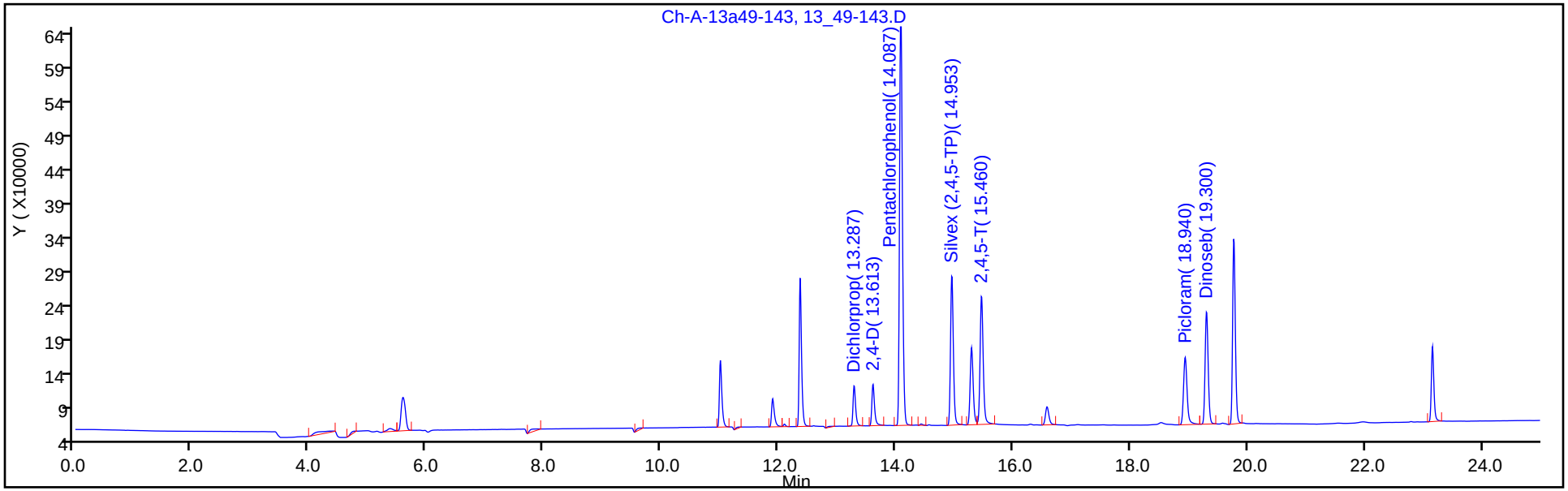
Report Date: 21-Feb-2022 08:41:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

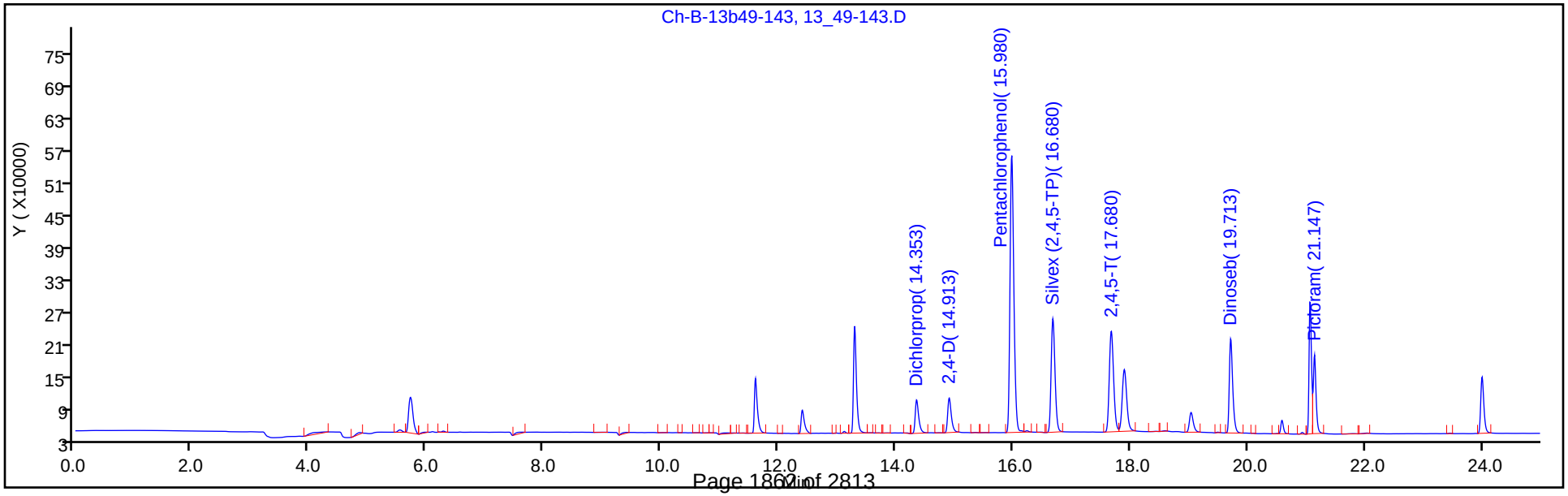
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-143.D

Injection Date:	18-Feb-2022 15:57:57	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	icv			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615386/9 Calibration Date: 02/18/2022 15:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-143.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	2679070	2602960		0.0972	0.100	-2.8	20.0
2,4-D	Ave	2824917	2763820		0.0978	0.100	-2.2	20.0
Pentachlorophenol	Ave	22895854	23419640		0.102	0.100	2.3	20.0
Silvex (2,4,5-TP)	Ave	9519183	9678640		0.102	0.100	1.7	20.0
2,4,5-T	Ave	9316050	9644900		0.104	0.100	3.5	20.0
Dinoseb	Ave	6887607	7108920		0.103	0.100	3.2	20.0
Picloram	Ave	5145791	4819410		0.0937	0.100	-6.3	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICV 480-615386/9 Calibration Date: 02/18/2022 15:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-143.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	14.35	14.32	14.38
2,4-D	14.91	14.88	14.94
Pentachlorophenol	15.98	15.95	16.01
Silvex (2,4,5-TP)	16.68	16.65	16.71
2,4,5-T	17.68	17.63	17.73
Dinoseb	19.71	19.68	19.74
Picloram	21.15	21.05	21.25

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-143.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 18-Feb-2022 15:57:57 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 21-Feb-2022 08:41:15 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1647

First Level Reviewer: NearyM Date: 21-Feb-2022 06:26:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
2 Dichlorprop							
1	13.287	13.287	0.000	183326	0.1000	0.0945	
2	14.353	14.353	0.000	260296	0.1000	0.0972	
						RPD = 2.80	
3 2,4-D							
1	13.613	13.607	0.006	198375	0.1000	0.0982	
2	14.913	14.907	0.006	276382	0.1000	0.0978	
						RPD = 0.42	
4 Pentachlorophenol							
1	14.087	14.093	-0.006	2137463	0.1000	0.1019	
2	15.980	15.980	0.000	2341964	0.1000	0.1023	
						RPD = 0.34	
5 Silvex (2,4,5-TP)							
1	14.953	14.953	0.000	748620	0.1000	0.1010	
2	16.680	16.680	0.000	967864	0.1000	0.1017	
						RPD = 0.63	
6 2,4,5-T							
1	15.460	15.460	0.000	712057	0.1000	0.1039	
2	17.680	17.680	0.000	964490	0.1000	0.1035	
						RPD = 0.32	
7 Picloram							
1	18.940	18.933	0.007	428418	0.1000	0.0935	
2	21.147	21.147	0.000	481941	0.1000	0.0937	
						RPD = 0.20	
8 Dinoseb							
1	19.300	19.300	0.000	611566	0.1000	0.1026	
2	19.713	19.713	0.000	710892	0.1000	0.1032	
						RPD = 0.62	

QC Flag Legend

Processing Flags

Reagents:

Herb ICV 0.1_00011 Amount Added: 1.00 Units: mL

Report Date: 21-Feb-2022 08:41:21 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-143.D

Injection Date: 18-Feb-2022 15:57:57 Instrument ID: HP5890-13 Operator ID: BufTCHROM

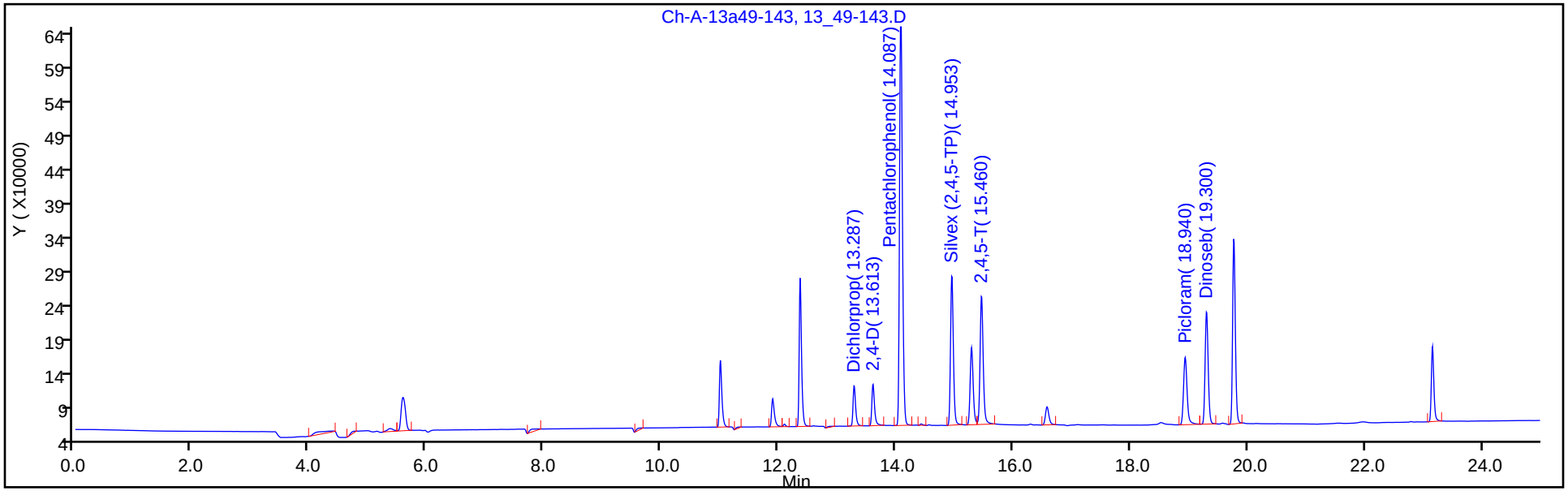
Lims ID: icv Worklist Smp#: 9

Client ID:

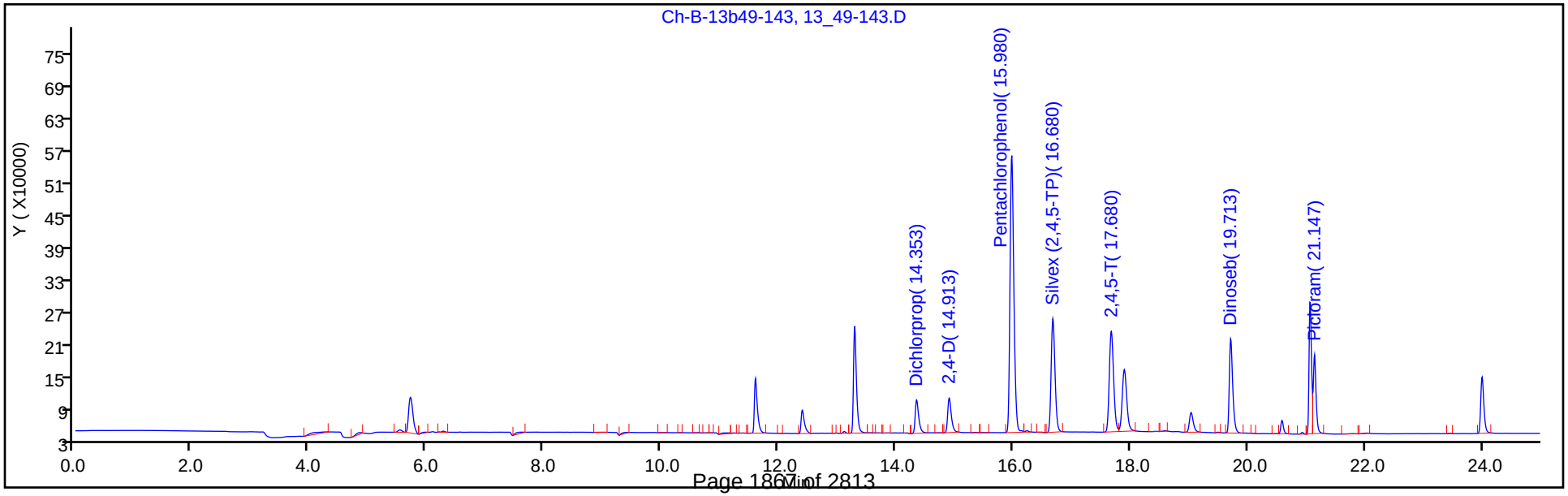
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/12 Calibration Date: 03/09/2022 15:01

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-328.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1940370	2250890		0.116	0.100	16.0	20.0
2,4-D	Ave	2019146	2354920		0.117	0.100	16.6	20.0
Pentachlorophenol	Ave	20967863	19358770		0.0923	0.100	-7.7	20.0
Silvex (2,4,5-TP)	Ave	7409341	7835420		0.106	0.100	5.8	20.0
2,4,5-T	Ave	6855756	7446350		0.109	0.100	8.6	20.0
Picloram	Ave	4583529	5083070		0.111	0.100	10.9	20.0
Dinoseb	Ave	5962051	6025980		0.101	0.100	1.1	20.0
2,4-Dichlorophenylacetic acid	Ave	2335989	2514070		0.108	0.100	7.6	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/12 Calibration Date: 03/09/2022 15:01

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-328.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	13.27	13.24	13.30
2,4-D	13.59	13.56	13.62
Pentachlorophenol	14.07	14.04	14.10
Silvex (2,4,5-TP)	14.93	14.90	14.96
2,4,5-T	15.44	15.39	15.49
Picloram	18.91	18.81	19.01
Dinoseb	19.28	19.25	19.31
2,4-Dichlorophenylacetic acid	12.11	12.08	12.14

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-328.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 15:01:19 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:25:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.107	12.107	0.000	251407	0.1000	0.1076	
2	12.980	12.980	0.000	306040	0.1000	0.1189	
						RPD = 10.00	
2 Dichlorprop							
1	13.273	13.267	0.006	225089	0.1000	0.1160	
2	14.327	14.327	0.000	317670	0.1000	0.1186	
						RPD = 2.19	
3 2,4-D							
1	13.593	13.587	0.006	235492	0.1000	0.1166	
2	14.880	14.880	0.000	325397	0.1000	0.1152	
						RPD = 1.24	
4 Pentachlorophenol							
1	14.067	14.067	0.000	1935877	0.1000	0.0923	
2	15.947	15.947	0.000	2537986	0.1000	0.1108	
						RPD = 18.23	
5 Silvex (2,4,5-TP)							
1	14.933	14.933	0.000	783542	0.1000	0.1058	
2	16.647	16.647	0.000	1080384	0.1000	0.1135	
						RPD = 7.07	
6 2,4,5-T							
1	15.440	15.440	0.000	744635	0.1000	0.1086	
2	17.633	17.640	-0.007	1038715	0.1000	0.1115	
						RPD = 2.62	
7 Picloram							
1	18.907	18.907	0.000	508307	0.1000	0.1109	
2	21.120	21.120	0.000	555831	0.1000	0.1080	
						RPD = 2.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	602598	0.1000	0.1011	
2	19.687	19.687	0.000	741552	0.1000	0.1077	
						RPD = 6.32	

QC Flag Legend

Processing Flags

Reagents:

Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

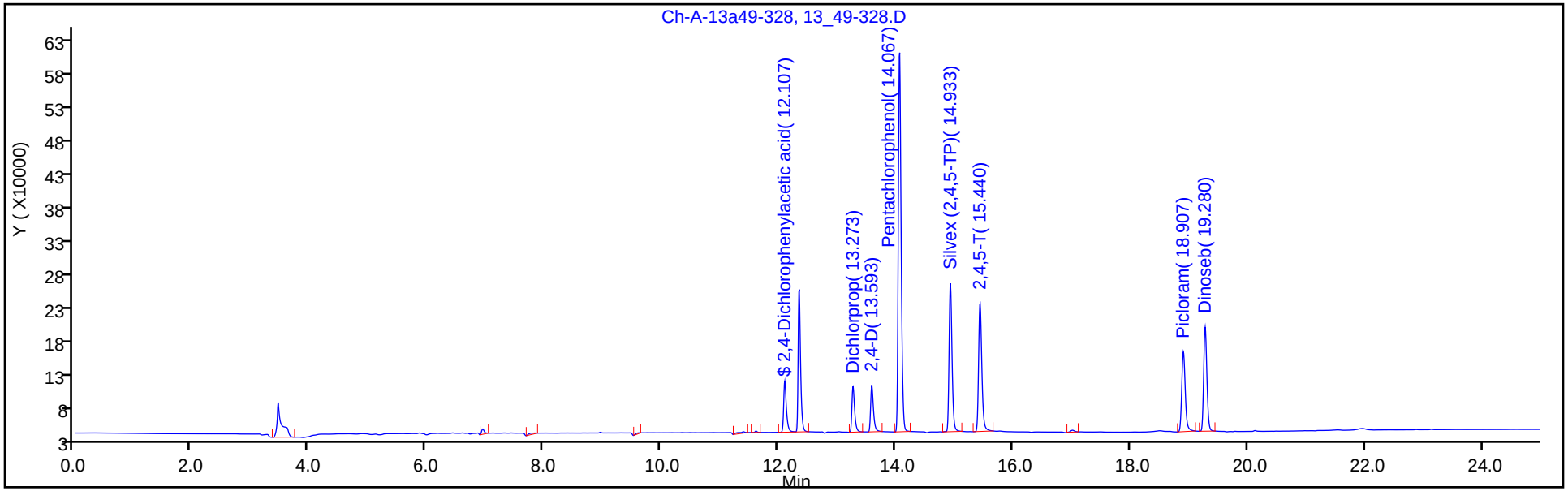
Report Date: 10-Mar-2022 06:35:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

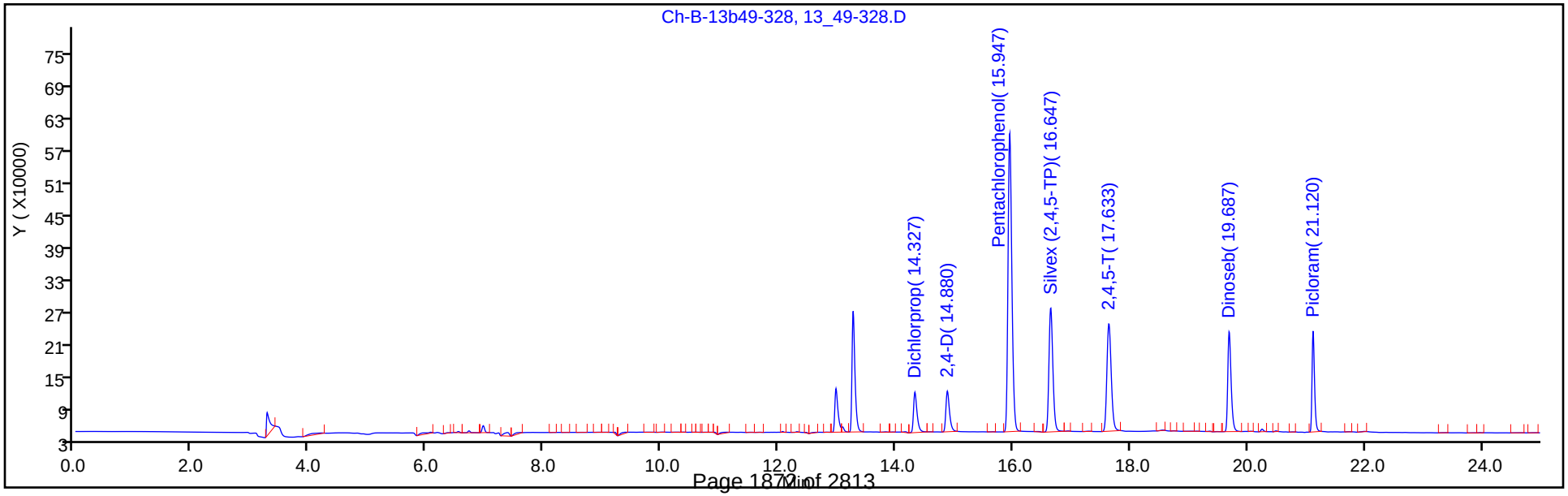
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-328.D

Injection Date:	09-Mar-2022 15:01:19	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/12 Calibration Date: 03/09/2022 15:01

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-328.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	2679070	3176700		0.119	0.100	18.6	20.0
2,4-D	Ave	2824917	3253970		0.115	0.100	15.2	20.0
Pentachlorophenol	Ave	22895854	25379860		0.111	0.100	10.8	20.0
Silvex (2,4,5-TP)	Ave	9519183	10803840		0.113	0.100	13.5	20.0
2,4,5-T	Ave	9316050	10387150		0.111	0.100	11.5	20.0
Dinoseb	Ave	6887607	7415520		0.108	0.100	7.7	20.0
Picloram	Ave	5145791	5558310		0.108	0.100	8.0	20.0
2,4-Dichlorophenylacetic acid	Ave	2572848	3060400		0.119	0.100	18.9	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/12 Calibration Date: 03/09/2022 15:01

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-328.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	14.33	14.30	14.36
2,4-D	14.88	14.85	14.91
Pentachlorophenol	15.95	15.92	15.98
Silvex (2,4,5-TP)	16.65	16.62	16.68
2,4,5-T	17.63	17.59	17.69
Dinoseb	19.69	19.66	19.72
Picloram	21.12	21.02	21.22
2,4-Dichlorophenylacetic acid	12.98	12.95	13.01

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-328.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 15:01:19 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:25:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.107	12.107	0.000	251407	0.1000	0.1076	
2	12.980	12.980	0.000	306040	0.1000	0.1189	
						RPD = 10.00	
2 Dichlorprop							
1	13.273	13.267	0.006	225089	0.1000	0.1160	
2	14.327	14.327	0.000	317670	0.1000	0.1186	
						RPD = 2.19	
3 2,4-D							
1	13.593	13.587	0.006	235492	0.1000	0.1166	
2	14.880	14.880	0.000	325397	0.1000	0.1152	
						RPD = 1.24	
4 Pentachlorophenol							
1	14.067	14.067	0.000	1935877	0.1000	0.0923	
2	15.947	15.947	0.000	2537986	0.1000	0.1108	
						RPD = 18.23	
5 Silvex (2,4,5-TP)							
1	14.933	14.933	0.000	783542	0.1000	0.1058	
2	16.647	16.647	0.000	1080384	0.1000	0.1135	
						RPD = 7.07	
6 2,4,5-T							
1	15.440	15.440	0.000	744635	0.1000	0.1086	
2	17.633	17.640	-0.007	1038715	0.1000	0.1115	
						RPD = 2.62	
7 Picloram							
1	18.907	18.907	0.000	508307	0.1000	0.1109	
2	21.120	21.120	0.000	555831	0.1000	0.1080	
						RPD = 2.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	602598	0.1000	0.1011	
2	19.687	19.687	0.000	741552	0.1000	0.1077	
						RPD = 6.32	

QC Flag Legend

Processing Flags

Reagents:

Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

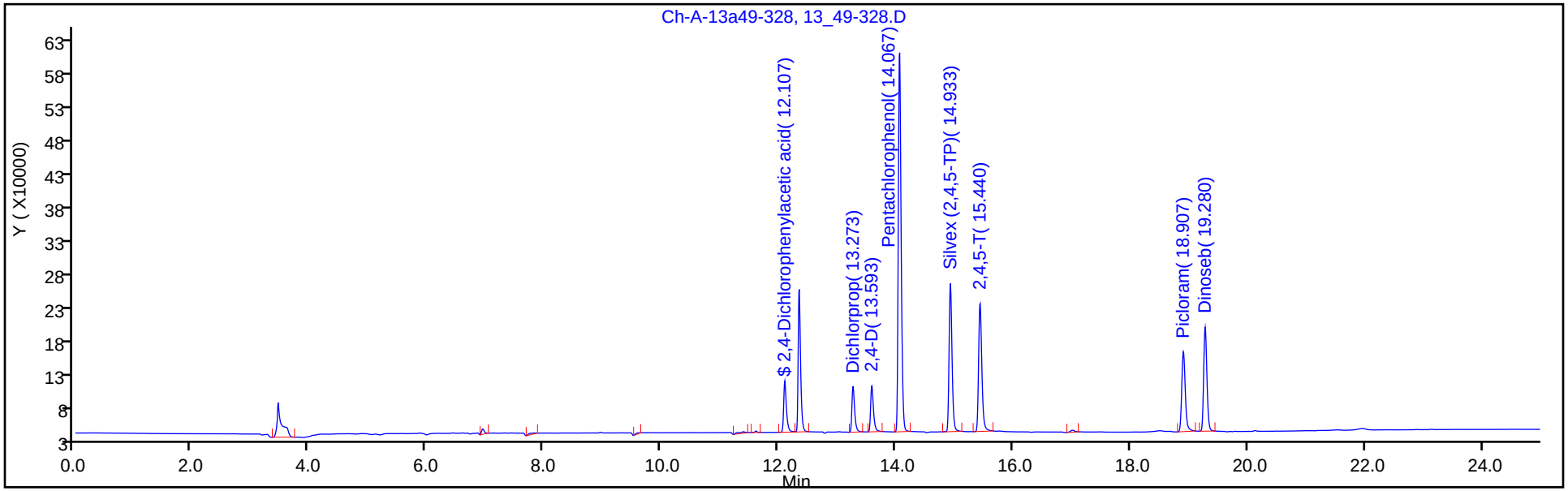
Report Date: 10-Mar-2022 06:35:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

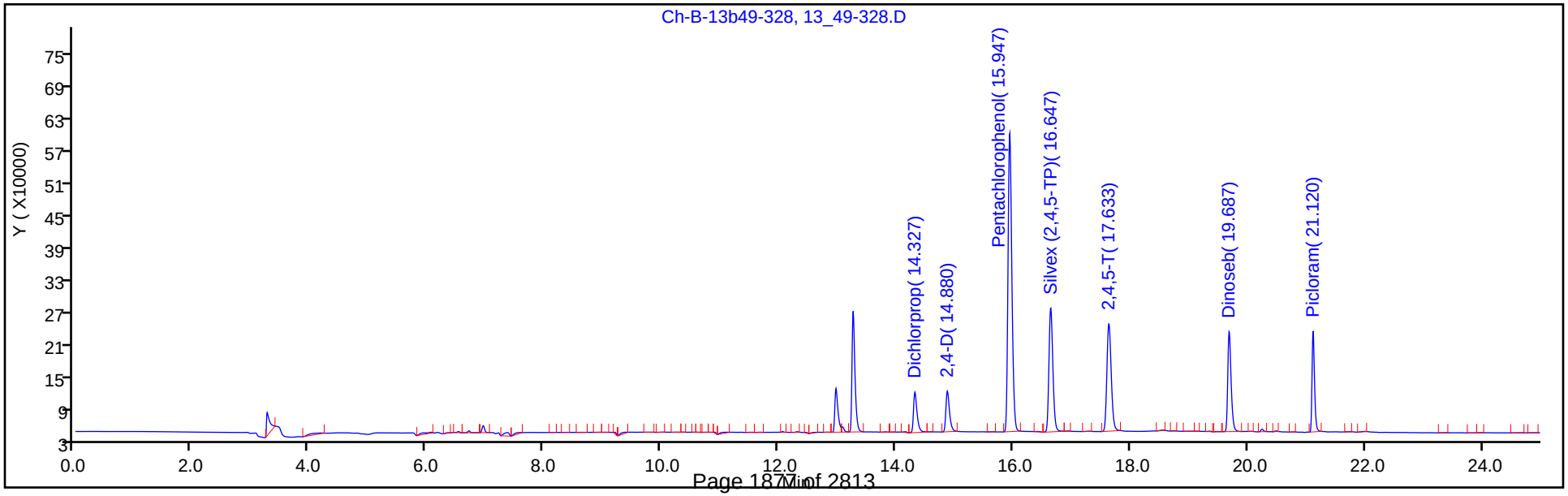
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-328.D

Injection Date:	09-Mar-2022 15:01:19	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	ccv			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/22 Calibration Date: 03/09/2022 19:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-338.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	1940370	2344600		0.121	0.100	20.8*	20.0
2,4-D	Ave	2019146	2499040		0.124	0.100	23.8*	20.0
Pentachlorophenol	Ave	20967863	19781880		0.0943	0.100	-5.7	20.0
Silvex (2,4,5-TP)	Ave	7409341	8324120		0.112	0.100	12.3	20.0
2,4,5-T	Ave	6855756	8064990		0.118	0.100	17.6	20.0
Picloram	Ave	4583529	5848430		0.128	0.100	27.6*	20.0
Dinoseb	Ave	5962051	6344690		0.106	0.100	6.4	20.0
2,4-Dichlorophenylacetic acid	Ave	2335989	2519660		0.108	0.100	7.9	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/22 Calibration Date: 03/09/2022 19:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-338.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	13.27	13.24	13.30
2,4-D	13.59	13.56	13.62
Pentachlorophenol	14.07	14.04	14.10
Silvex (2,4,5-TP)	14.93	14.90	14.96
2,4,5-T	15.44	15.39	15.49
Picloram	18.91	18.81	19.01
Dinoseb	19.28	19.25	19.31
2,4-Dichlorophenylacetic acid	12.11	12.08	12.14

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-338.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 19:57:52 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:26:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.107	12.107	0.000	251966	0.1000	0.1079	
2	12.980	12.980	0.000	304803	0.1000	0.1185	M
						RPD = 9.37	
2 Dichlorprop							
1	13.267	13.267	0.000	234460	0.1000	0.1208	
2	14.327	14.327	0.000	320026	0.1000	0.1195	
						RPD = 1.15	
3 2,4-D							
1	13.593	13.587	0.006	249904	0.1000	0.1238	
2	14.880	14.880	0.000	340854	0.1000	0.1207	
						RPD = 2.54	
4 Pentachlorophenol							
1	14.067	14.067	0.000	1978188	0.1000	0.0943	
2	15.940	15.947	-0.007	2625960	0.1000	0.1147	
						RPD = 19.47	
5 Silvex (2,4,5-TP)							
1	14.933	14.933	0.000	832412	0.1000	0.1123	
2	16.640	16.647	-0.007	1127772	0.1000	0.1185	
						RPD = 5.31	
6 2,4,5-T							
1	15.440	15.440	0.000	806499	0.1000	0.1176	
2	17.633	17.640	-0.007	1099197	0.1000	0.1180	
						RPD = 0.30	
7 Picloram							
1	18.907	18.907	0.000	584843	0.1000	0.1276	
2	21.120	21.120	0.000	623500	0.1000	0.1212	
						RPD = 5.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	634469	0.1000	0.1064	
2	19.687	19.687	0.000	788815	0.1000	0.1145	
						RPD = 7.34	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 06:35:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-338.D

Injection Date: 09-Mar-2022 19:57:52 Instrument ID: HP5890-13 Operator ID: BufTCHROM

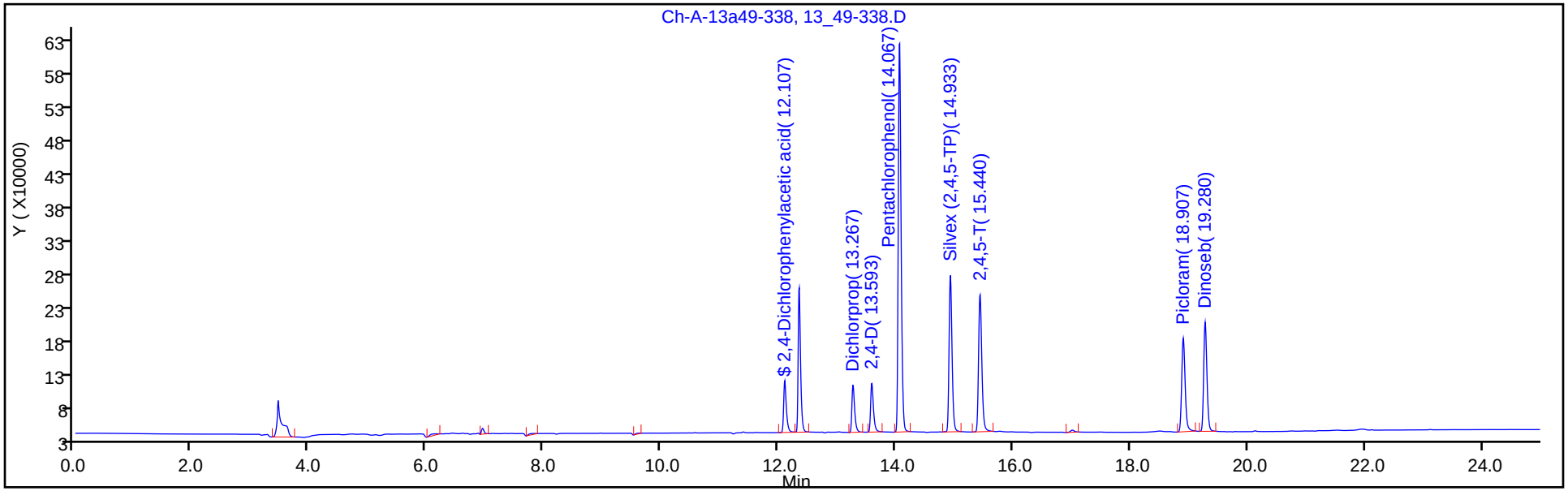
Lims ID: ccv Worklist Smp#: 22

Client ID:

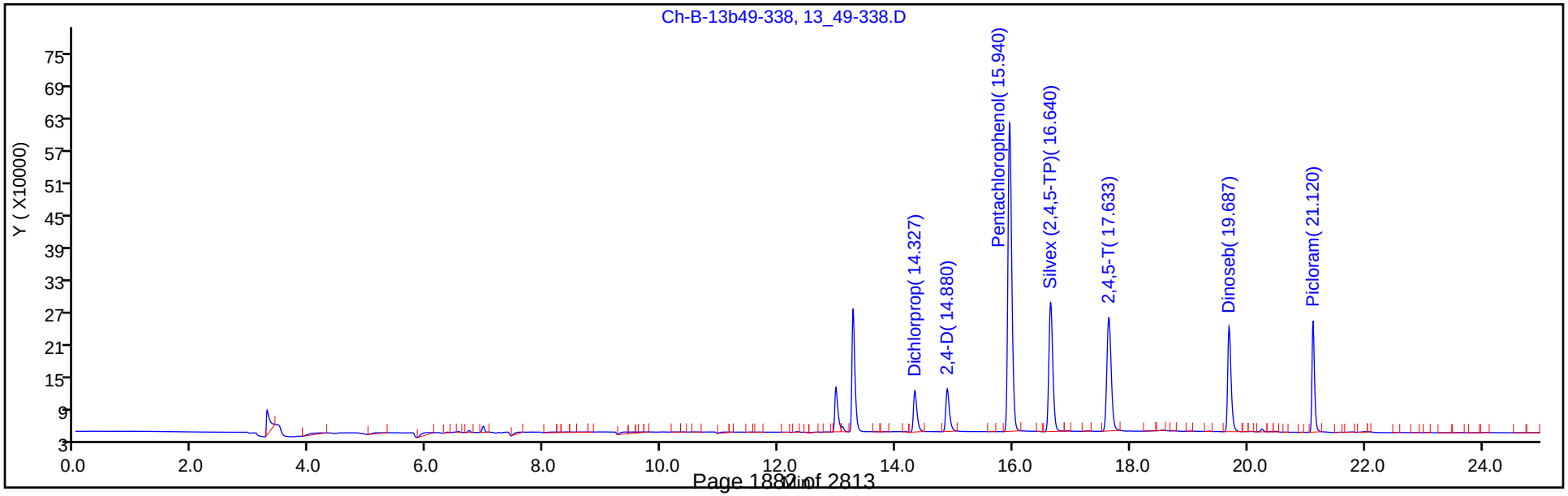
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/22 Calibration Date: 03/09/2022 19:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-338.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorprop	Ave	2679070	3200260		0.119	0.100	19.5	20.0
2,4-D	Ave	2824917	3408540		0.121	0.100	20.7*	20.0
Pentachlorophenol	Ave	22895854	26259600		0.115	0.100	14.7	20.0
Silvex (2,4,5-TP)	Ave	9519183	11277720		0.118	0.100	18.5	20.0
2,4,5-T	Ave	9316050	10991970		0.118	0.100	18.0	20.0
Dinoseb	Ave	6887607	7888150		0.115	0.100	14.5	20.0
Picloram	Ave	5145791	6235000		0.121	0.100	21.2*	20.0
2,4-Dichlorophenylacetic acid	Ave	2572848	3048030		0.118	0.100	18.5	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: CCV 480-617225/22 Calibration Date: 03/09/2022 19:57

Instrument ID: HP5890-13 Calib Start Date: 02/18/2022 12:29

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/18/2022 15:28

Lab File ID: 13_49-338.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dichlorprop	14.33	14.30	14.36
2,4-D	14.88	14.85	14.91
Pentachlorophenol	15.94	15.92	15.98
Silvex (2,4,5-TP)	16.64	16.62	16.68
2,4,5-T	17.63	17.59	17.69
Dinoseb	19.69	19.66	19.72
Picloram	21.12	21.02	21.22
2,4-Dichlorophenylacetic acid	12.98	12.95	13.01

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-338.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-Mar-2022 19:57:52 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub10

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:31 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:26:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.107	12.107	0.000	251966	0.1000	0.1079	
2	12.980	12.980	0.000	304803	0.1000	0.1185	M
						RPD = 9.37	
2 Dichlorprop							
1	13.267	13.267	0.000	234460	0.1000	0.1208	
2	14.327	14.327	0.000	320026	0.1000	0.1195	
						RPD = 1.15	
3 2,4-D							
1	13.593	13.587	0.006	249904	0.1000	0.1238	
2	14.880	14.880	0.000	340854	0.1000	0.1207	
						RPD = 2.54	
4 Pentachlorophenol							
1	14.067	14.067	0.000	1978188	0.1000	0.0943	
2	15.940	15.947	-0.007	2625960	0.1000	0.1147	
						RPD = 19.47	
5 Silvex (2,4,5-TP)							
1	14.933	14.933	0.000	832412	0.1000	0.1123	
2	16.640	16.647	-0.007	1127772	0.1000	0.1185	
						RPD = 5.31	
6 2,4,5-T							
1	15.440	15.440	0.000	806499	0.1000	0.1176	
2	17.633	17.640	-0.007	1099197	0.1000	0.1180	
						RPD = 0.30	
7 Picloram							
1	18.907	18.907	0.000	584843	0.1000	0.1276	
2	21.120	21.120	0.000	623500	0.1000	0.1212	
						RPD = 5.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	634469	0.1000	0.1064	
2	19.687	19.687	0.000	788815	0.1000	0.1145	
						RPD = 7.34	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Herb_CAL_0.10_00108 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 06:35:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-338.D

Injection Date: 09-Mar-2022 19:57:52 Instrument ID: HP5890-13 Operator ID: BufTCHROM

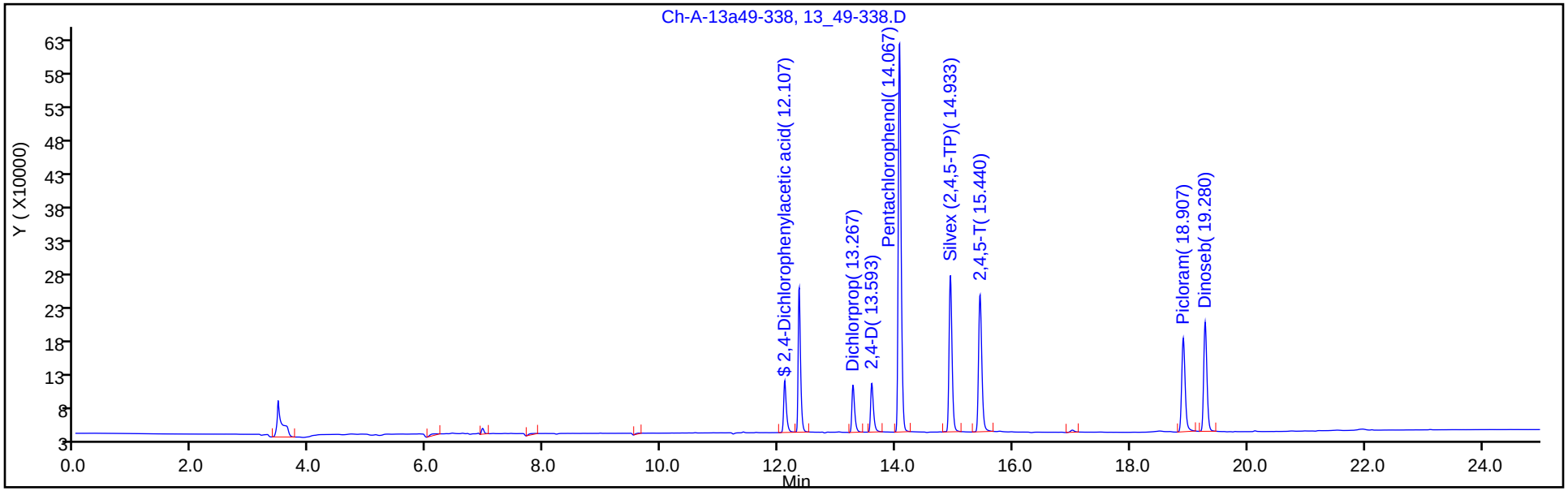
Lims ID: ccv Worklist Smp#: 22

Client ID:

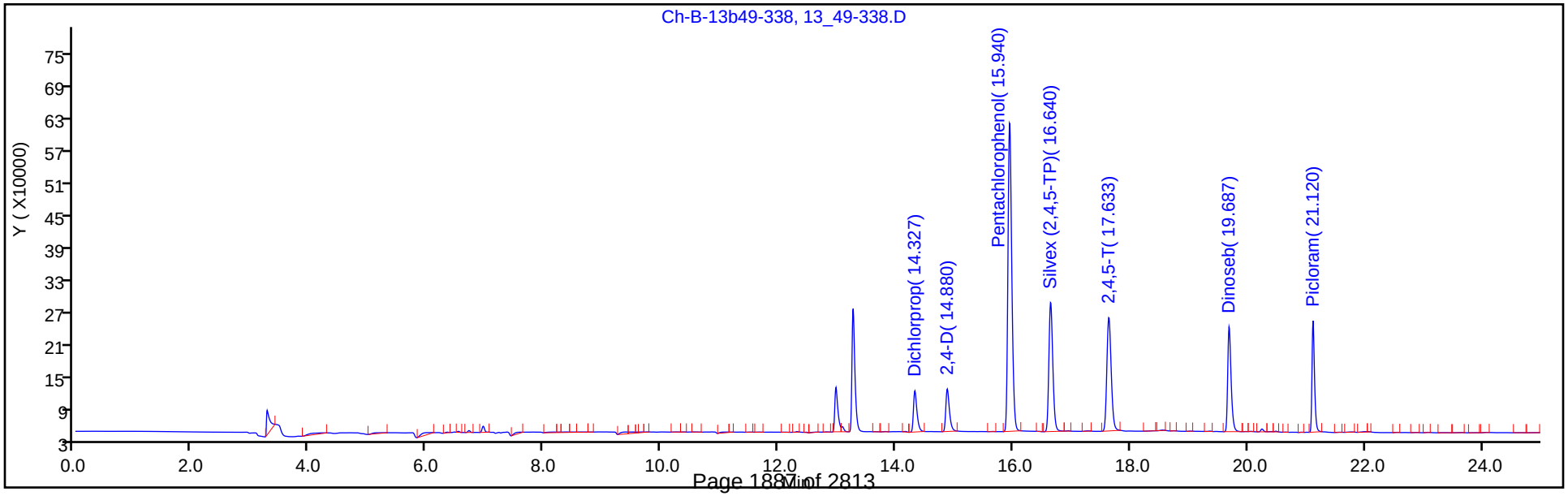
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

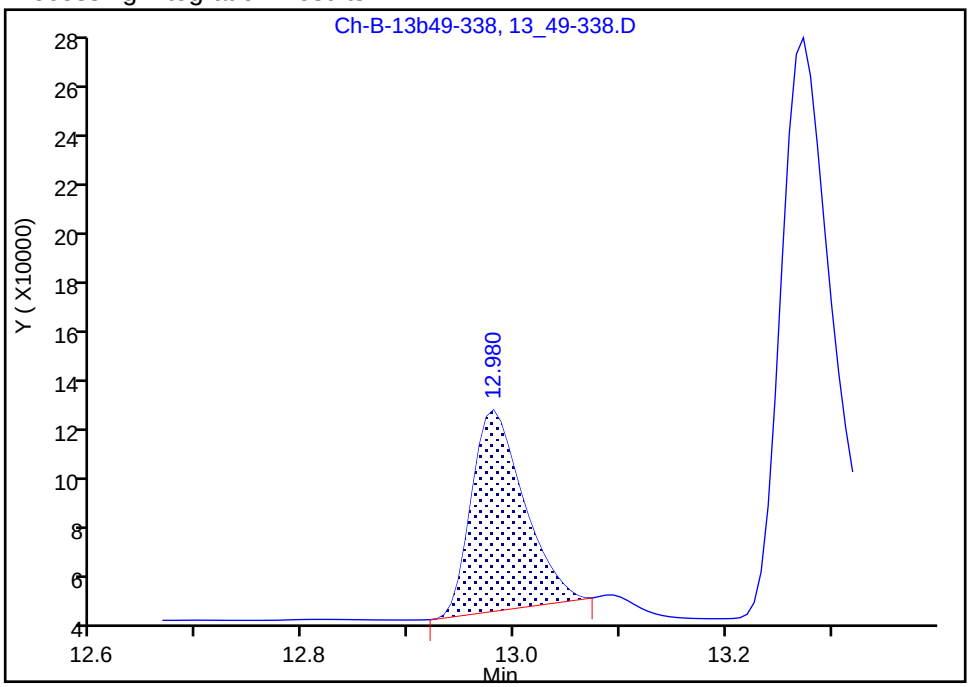
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-338.D				
Injection Date:	09-Mar-2022 19:57:52	Instrument ID:	HP5890-13		
Lims ID:	ccv				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

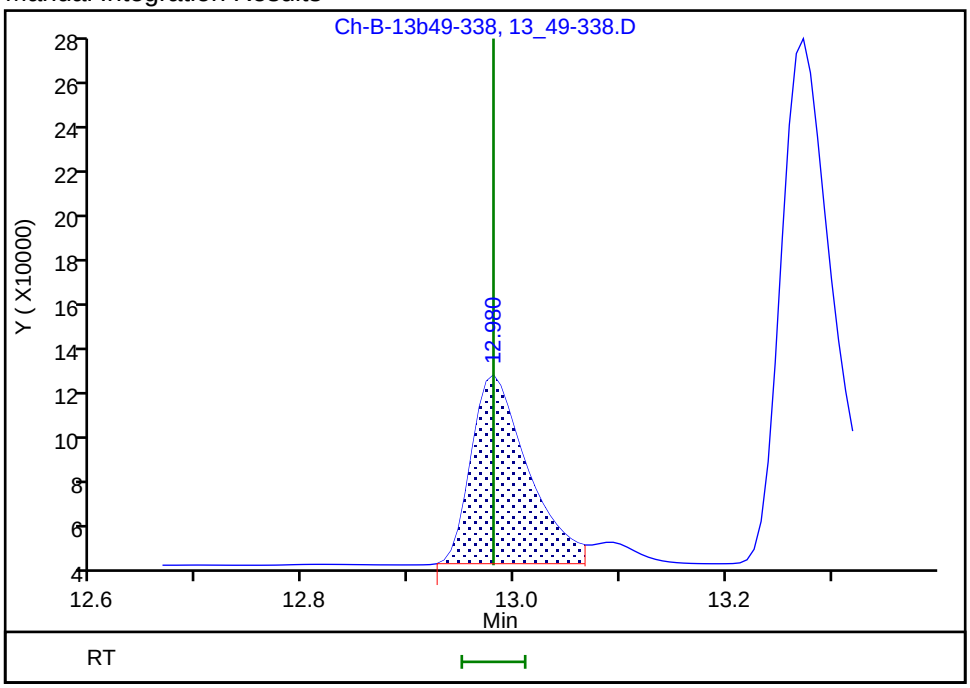
Processing Integration Results

RT: 12.98
Area: 272932
Amount: 0.106082
Amount Units: ng/ul



Manual Integration Results

RT: 12.98
Area: 304803
Amount: 0.118469
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:25:47
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617097/1-A
Matrix: Solid
Lab File ID: 13_49-329.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 15:31
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	ND		0.00050	0.000090
94-75-7	2,4-D	ND		0.00050	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	83		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D				
Lims ID:	MB 480-617097/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 15:31:08	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:28:26		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.100	12.107	-0.007	484330	0.2500	0.2073	
2	12.973	12.980	-0.007	444670	0.2500	0.1728	
						RPD = 18.15	

QC Flag Legend

Processing Flags

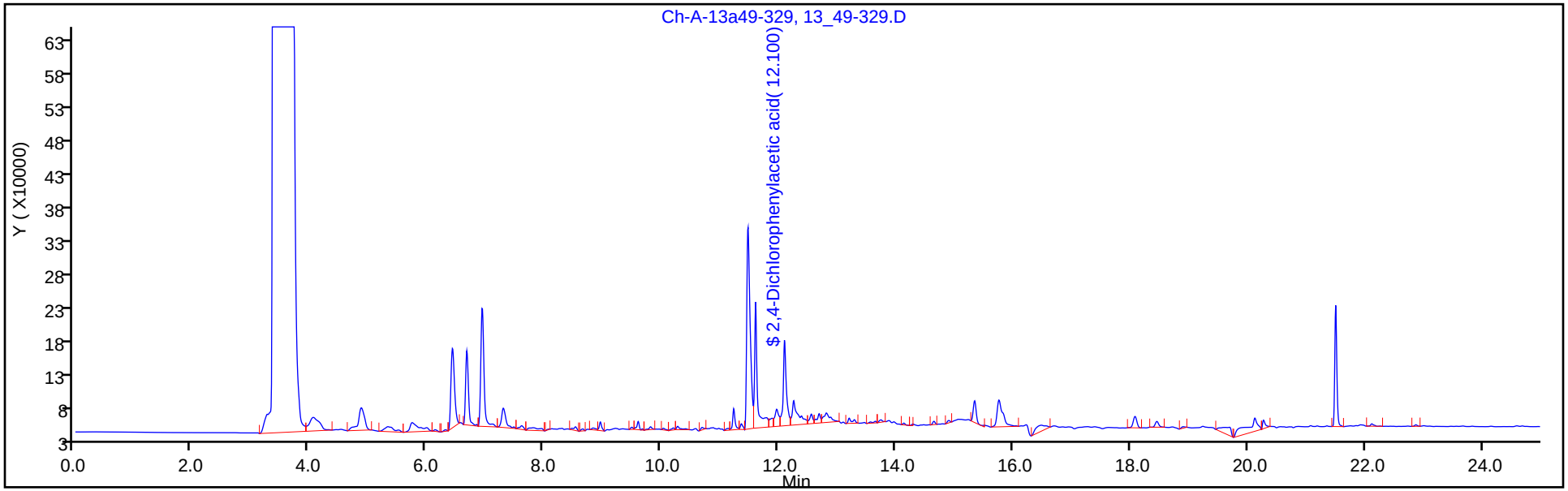
Report Date: 10-Mar-2022 06:35:25 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

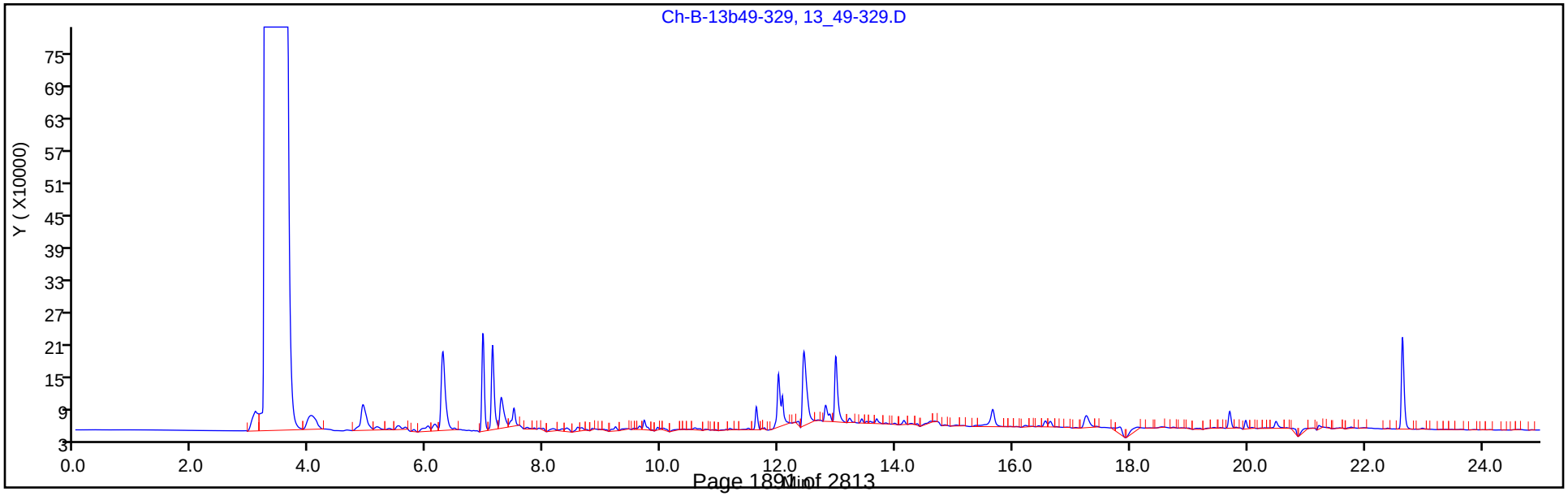
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D

Injection Date:	09-Mar-2022 15:31:08	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	MB 480-617097/1-A			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D				
Lims ID:	MB 480-617097/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 15:31:08	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:28:26		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2073	82.93

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1728	69.13

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-617097/1-A
Matrix: Solid
Lab File ID: 13_49-329.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 15:31
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	69		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D				
Lims ID:	MB 480-617097/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 15:31:08	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:28:26		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.100	12.107	-0.007	484330	0.2500	0.2073	
2	12.973	12.980	-0.007	444670	0.2500	0.1728	
						RPD = 18.15	

QC Flag Legend

Processing Flags

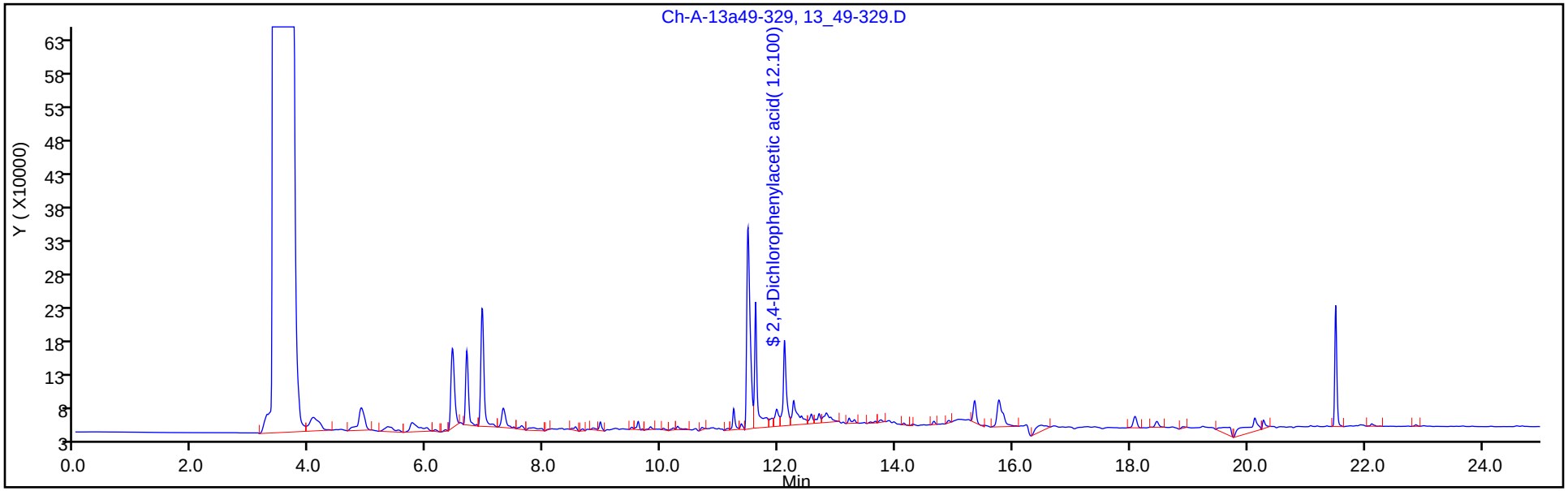
Report Date: 10-Mar-2022 06:35:25 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

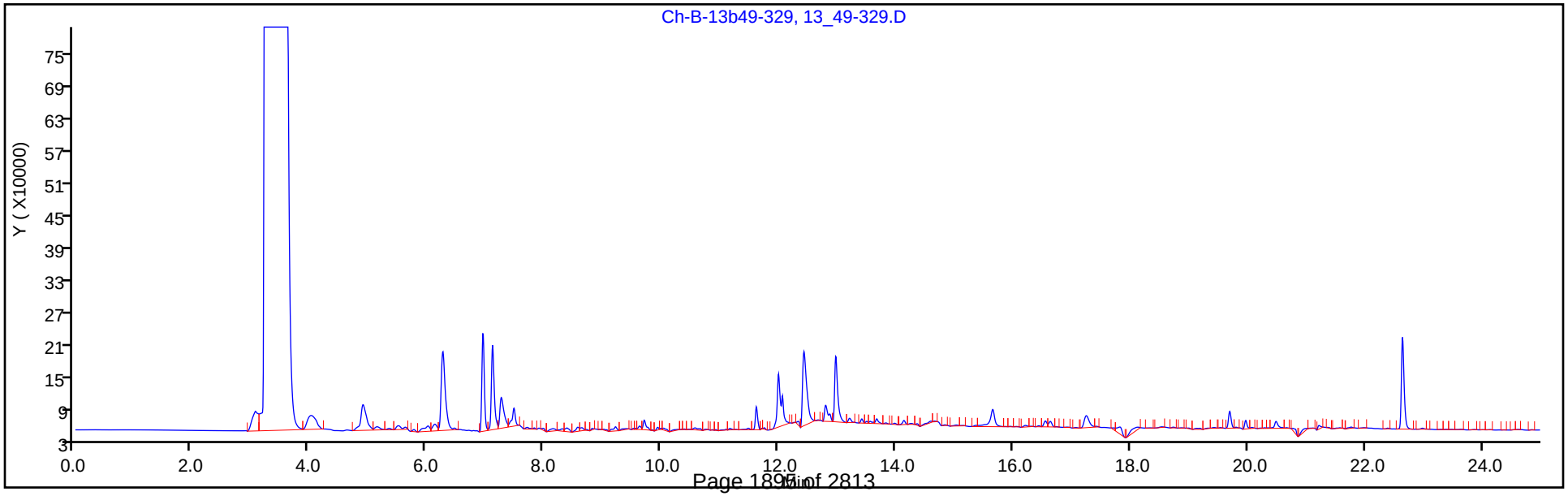
Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D

Injection Date:	09-Mar-2022 15:31:08	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	MB 480-617097/1-A			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-329.D				
Lims ID:	MB 480-617097/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Mar-2022 15:31:08	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:28:26		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2073	82.93

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1728	69.13

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 480-616935/1-C
Matrix: Solid (TCLP)
Lab File ID: 13_49-332.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 17:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	ND		0.0020	0.00036
94-75-7	2,4-D	ND		0.0020	0.00040

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	57		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Lims ID:	LB 480-616935/1-C				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 17:00:27	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:12		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.100	12.107	-0.007	331507	0.2500	0.1419	
2	12.973	12.980	-0.007	421405	0.2500	0.1638	
						RPD = 14.31	

QC Flag Legend

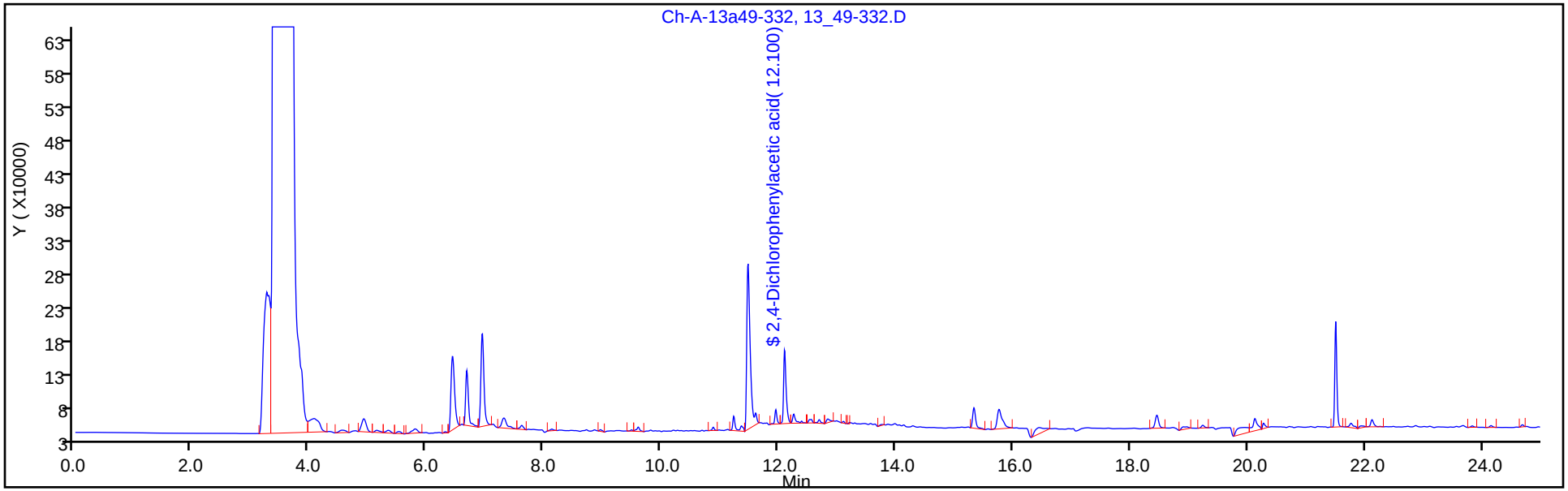
Processing Flags

Report Date: 10-Mar-2022 06:35:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

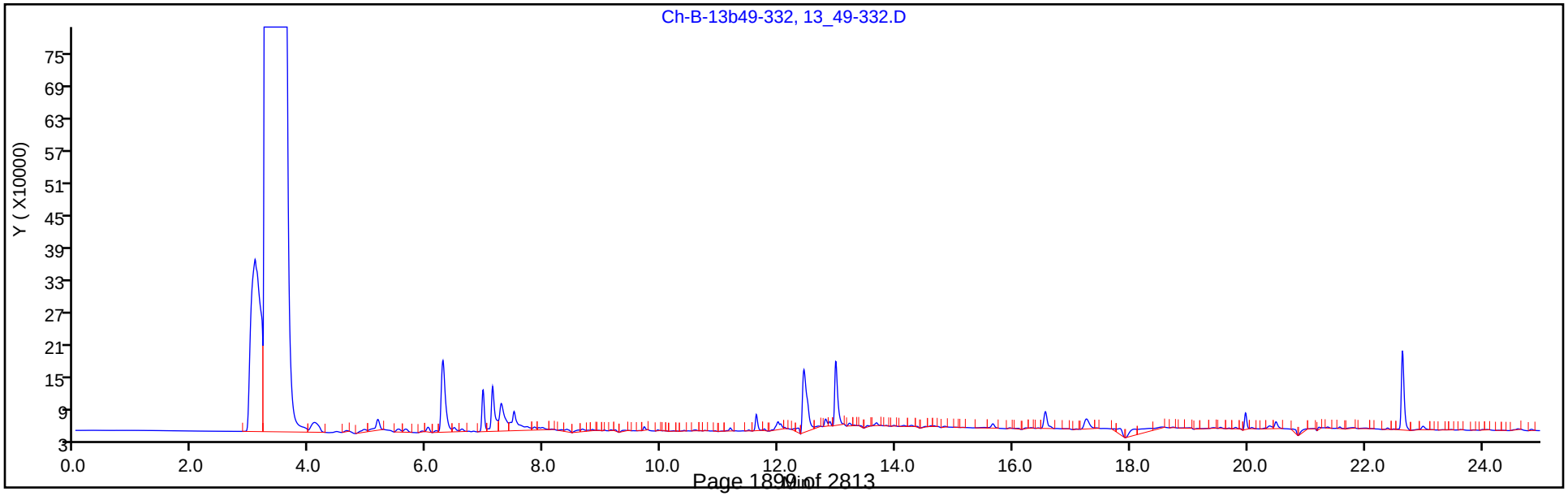
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Injection Date:	09-Mar-2022 17:00:27	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	LB 480-616935/1-C			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Lims ID:	LB 480-616935/1-C				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 17:00:27	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:12		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1419	56.77

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1638	65.52

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 480-616935/1-C
Matrix: Solid (TCLP)
Lab File ID: 13_49-332.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 250(mL)
Date Analyzed: 03/09/2022 17:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	66		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Lims ID:	LB 480-616935/1-C				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 17:00:27	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:12		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							
1	12.100	12.107	-0.007	331507	0.2500	0.1419	
2	12.973	12.980	-0.007	421405	0.2500	0.1638	
						RPD = 14.31	

QC Flag Legend

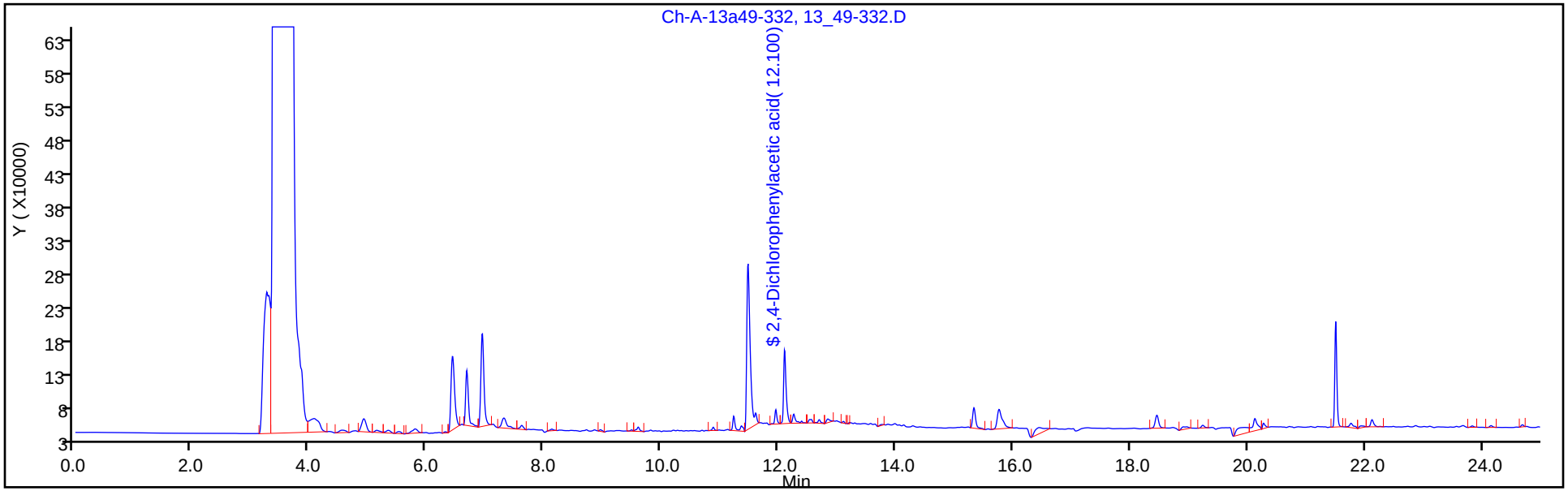
Processing Flags

Report Date: 10-Mar-2022 06:35:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

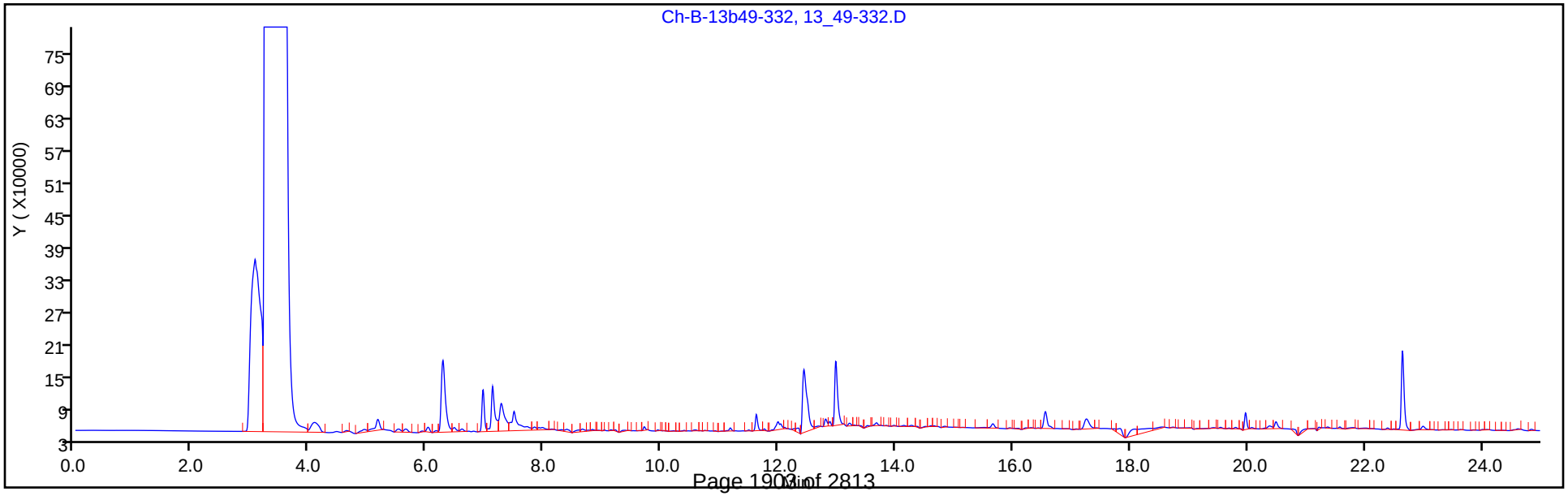
Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Injection Date:	09-Mar-2022 17:00:27	Instrument ID:	HP5890-13	Operator ID:	BufTCHROM
Lims ID:	LB 480-616935/1-C			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-332.D				
Lims ID:	LB 480-616935/1-C				
Client ID:					
Sample Type:	LB				
Inject. Date:	09-Mar-2022 17:00:27	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:30:12		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1419	56.77

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1638	65.52

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617097/2-A
Matrix: Solid
Lab File ID: 13_49-330.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 16:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	0.00115		0.00050	0.000090
94-75-7	2,4-D	0.00125		0.00050	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	52		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D
Lims ID: LCS 480-617097/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Mar-2022 16:00:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:29:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.100	12.107	-0.007	303986	0.2500	0.1301	
2	12.973	12.980	-0.007	362336	0.2500	0.1408	M
						RPD = 7.90	
2 Dichlorprop							M
1	13.267	13.267	0.000	200176	0.2000	0.1032	M
2	14.320	14.327	-0.007	284610	0.2000	0.1062	
						RPD = 2.93	
3 2,4-D							
1	13.587	13.587	0.000	253222	0.2000	0.1254	
2	14.873	14.880	-0.007	300384	0.2000	0.1063	
						RPD = 16.46	
4 Pentachlorophenol							
1	14.060	14.067	-0.007	1947397	0.2000	0.0929	
2	15.940	15.947	-0.007	2507844	0.2000	0.1095	
						RPD = 16.46	
5 Silvex (2,4,5-TP)							
1	14.927	14.933	-0.006	849611	0.2000	0.1147	
2	16.640	16.647	-0.007	1129853	0.2000	0.1187	
						RPD = 3.45	
6 2,4,5-T							
1	15.433	15.440	-0.007	849698	0.2000	0.1239	
2	17.627	17.640	-0.013	1248173	0.2000	0.1340	
						RPD = 7.79	
7 Picloram							M
1	18.900	18.907	-0.007	663983	0.2000	0.1449	
2	21.120	21.120	0.000	856991	0.2000	0.1665	M
						RPD = 13.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	91342	0.2000	0.0153	
2	19.693	19.687	0.006	195373	0.2000	0.0284	
						RPD = 59.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 10-Mar-2022 06:35:25 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D

Injection Date: 09-Mar-2022 16:00:54 Instrument ID: HP5890-13 Operator ID: BufTCHROM

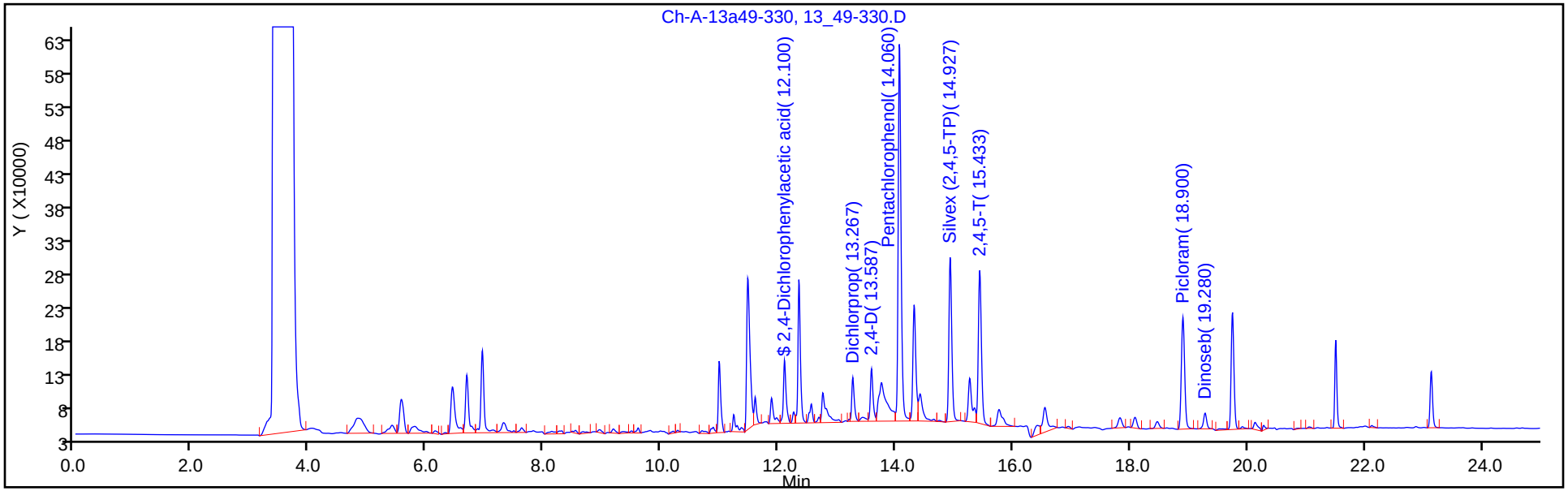
Lims ID: LCS 480-617097/2-A Worklist Smp#: 14

Client ID:

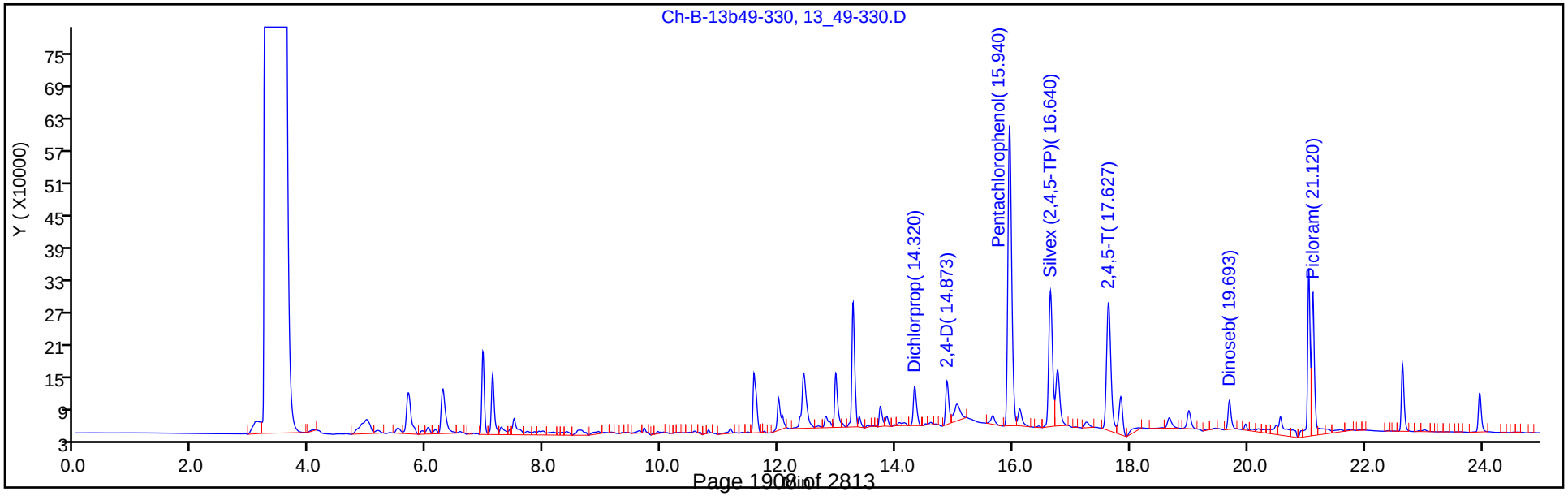
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D				
Lims ID:	LCS 480-617097/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Mar-2022 16:00:54	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:29:07		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1301	52.05

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1408	56.33

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-617097/2-A
Matrix: Solid
Lab File ID: 13_49-330.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 16:00
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	56		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D
Lims ID: LCS 480-617097/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Mar-2022 16:00:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:29:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.100	12.107	-0.007	303986	0.2500	0.1301	
2	12.973	12.980	-0.007	362336	0.2500	0.1408	M
						RPD = 7.90	
2 Dichlorprop							M
1	13.267	13.267	0.000	200176	0.2000	0.1032	M
2	14.320	14.327	-0.007	284610	0.2000	0.1062	
						RPD = 2.93	
3 2,4-D							
1	13.587	13.587	0.000	253222	0.2000	0.1254	
2	14.873	14.880	-0.007	300384	0.2000	0.1063	
						RPD = 16.46	
4 Pentachlorophenol							
1	14.060	14.067	-0.007	1947397	0.2000	0.0929	
2	15.940	15.947	-0.007	2507844	0.2000	0.1095	
						RPD = 16.46	
5 Silvex (2,4,5-TP)							
1	14.927	14.933	-0.006	849611	0.2000	0.1147	
2	16.640	16.647	-0.007	1129853	0.2000	0.1187	
						RPD = 3.45	
6 2,4,5-T							
1	15.433	15.440	-0.007	849698	0.2000	0.1239	
2	17.627	17.640	-0.013	1248173	0.2000	0.1340	
						RPD = 7.79	
7 Picloram							M
1	18.900	18.907	-0.007	663983	0.2000	0.1449	
2	21.120	21.120	0.000	856991	0.2000	0.1665	M
						RPD = 13.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	91342	0.2000	0.0153	
2	19.693	19.687	0.006	195373	0.2000	0.0284	
						RPD = 59.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 10-Mar-2022 06:35:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D

Injection Date: 09-Mar-2022 16:00:54 Instrument ID: HP5890-13 Operator ID: BufTCHROM

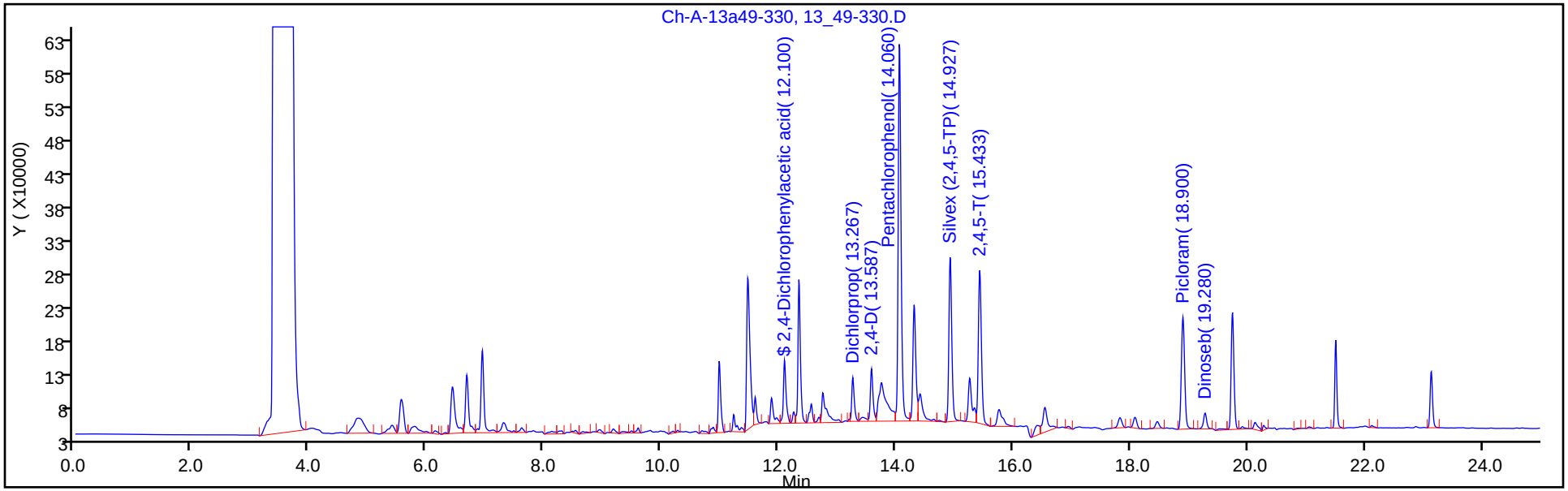
Lims ID: LCS 480-617097/2-A Worklist Smp#: 14

Client ID:

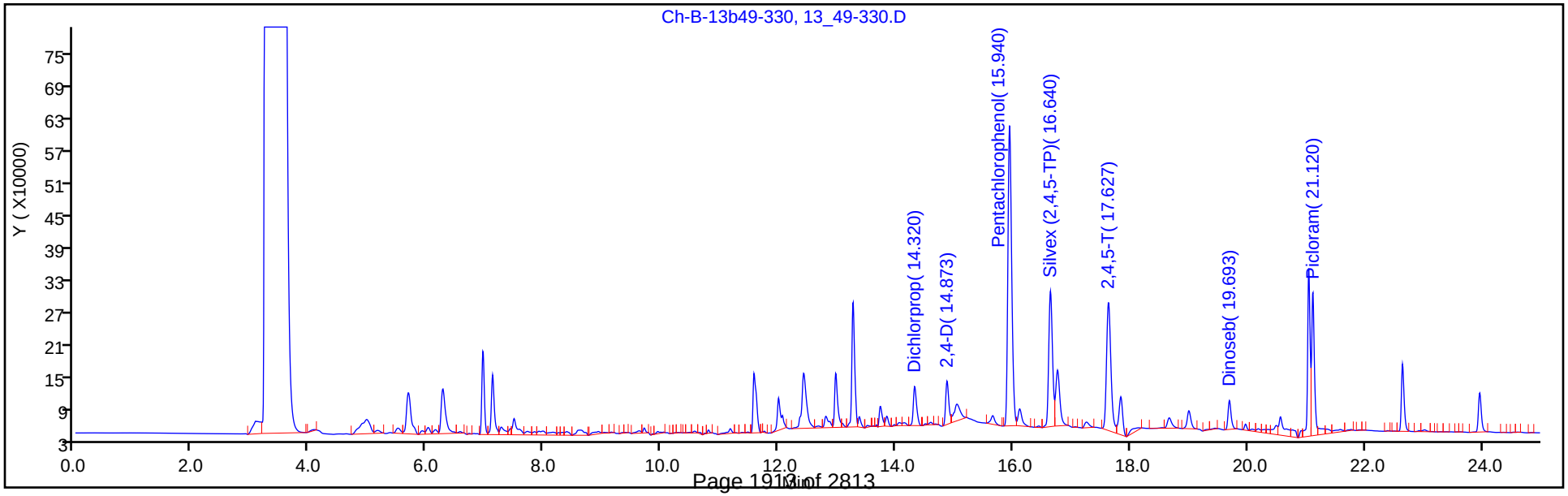
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D				
Lims ID:	LCS 480-617097/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Mar-2022 16:00:54	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:29:07		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1301	52.05

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.1408	56.33

Manual Integration/User Assign Peak Report

Eurofins Buffalo

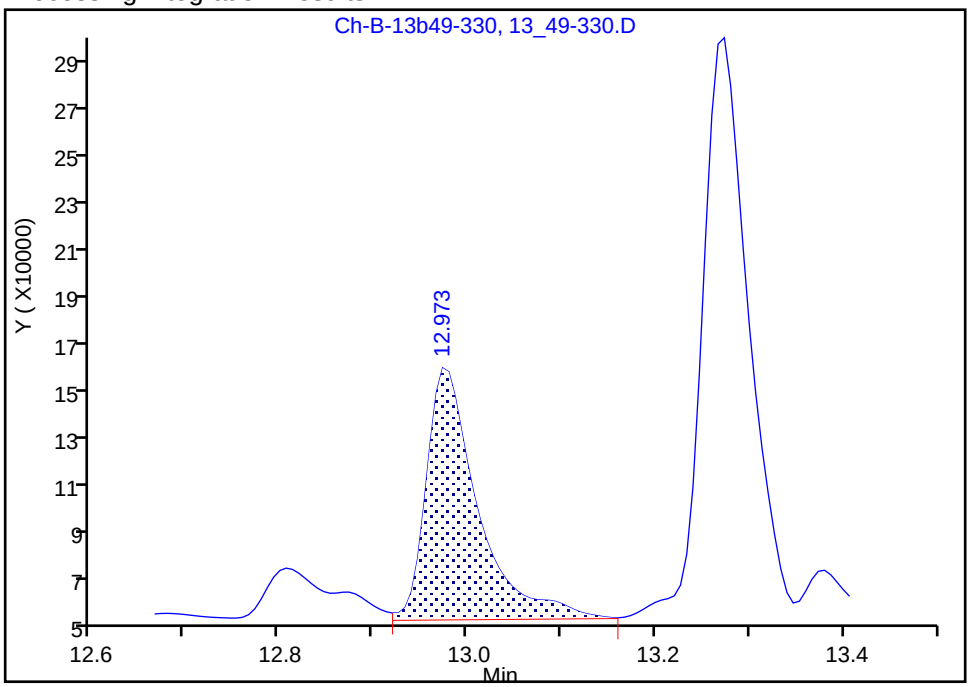
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-330.D				
Injection Date:	09-Mar-2022 16:00:54	Instrument ID:	HP5890-13		
Lims ID:	LCS 480-617097/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

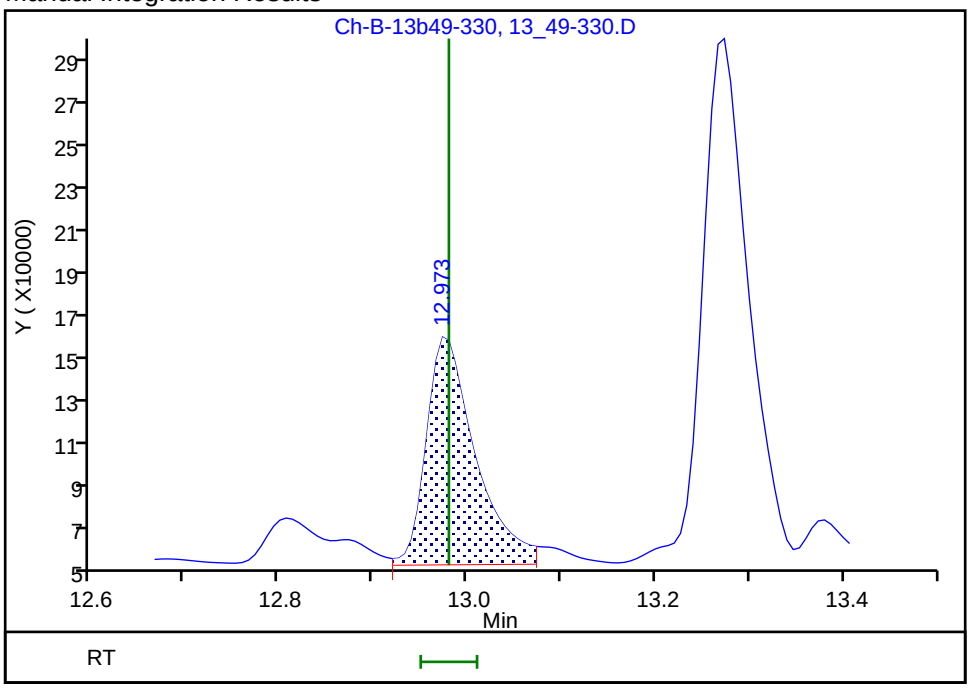
Processing Integration Results

RT: 12.97
Area: 382001
Amount: 0.148474
Amount Units: ng/ul



Manual Integration Results

RT: 12.97
Area: 362336
Amount: 0.140831
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:28:40

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-617097/3-A
Matrix: Solid
Lab File ID: 13_49-331.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 16:30
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPI ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-72-1	Silvex (2,4,5-TP)	0.00165		0.00050	0.000090
94-75-7	2,4-D	0.00159		0.00050	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	86		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D
Lims ID: LCSD 480-617097/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Mar-2022 16:30:41 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:29:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.100	12.107	-0.007	502877	0.2500	0.2153	
2	12.973	12.980	-0.007	532934	0.2500	0.2071	M
						RPD = 3.85	
2 Dichlorprop							
1	13.267	13.267	0.000	280248	0.2000	0.1444	
2	14.320	14.327	-0.007	397534	0.2000	0.1484	
						RPD = 2.70	
3 2,4-D							M
1	13.587	13.587	0.000	321975	0.2000	0.1595	
2	14.873	14.880	-0.007	431112	0.2000	0.1526	M
						RPD = 4.39	
4 Pentachlorophenol							
1	14.060	14.067	-0.007	2697626	0.2000	0.1287	
2	15.940	15.947	-0.007	3641004	0.2000	0.1590	
						RPD = 21.11	
5 Silvex (2,4,5-TP)							M
1	14.927	14.933	-0.006	1219901	0.2000	0.1646	M
2	16.640	16.647	-0.007	1645982	0.2000	0.1729	
						RPD = 4.90	
6 2,4,5-T							
1	15.433	15.440	-0.007	1219703	0.2000	0.1779	
2	17.633	17.640	-0.007	1704522	0.2000	0.1830	
						RPD = 2.80	
7 Picloram							M
1	18.900	18.907	-0.007	955815	0.2000	0.2085	
2	21.120	21.120	0.000	1265782	0.2000	0.2460	M
						RPD = 16.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	195798	0.2000	0.0328	
2	19.693	19.687	0.006	283163	0.2000	0.0411	
						RPD = 22.37	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 10-Mar-2022 06:35:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D

Injection Date: 09-Mar-2022 16:30:41 Instrument ID: HP5890-13 Operator ID: BufTCHROM

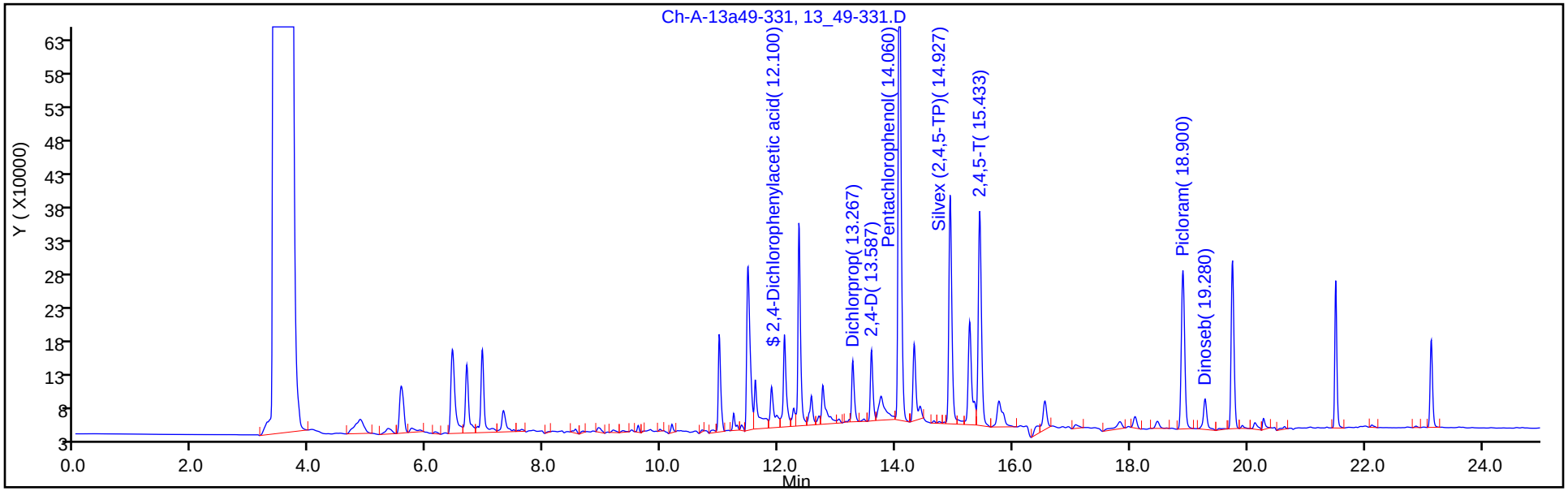
Lims ID: LCSD 480-617097/3-A Worklist Smp#: 15

Client ID:

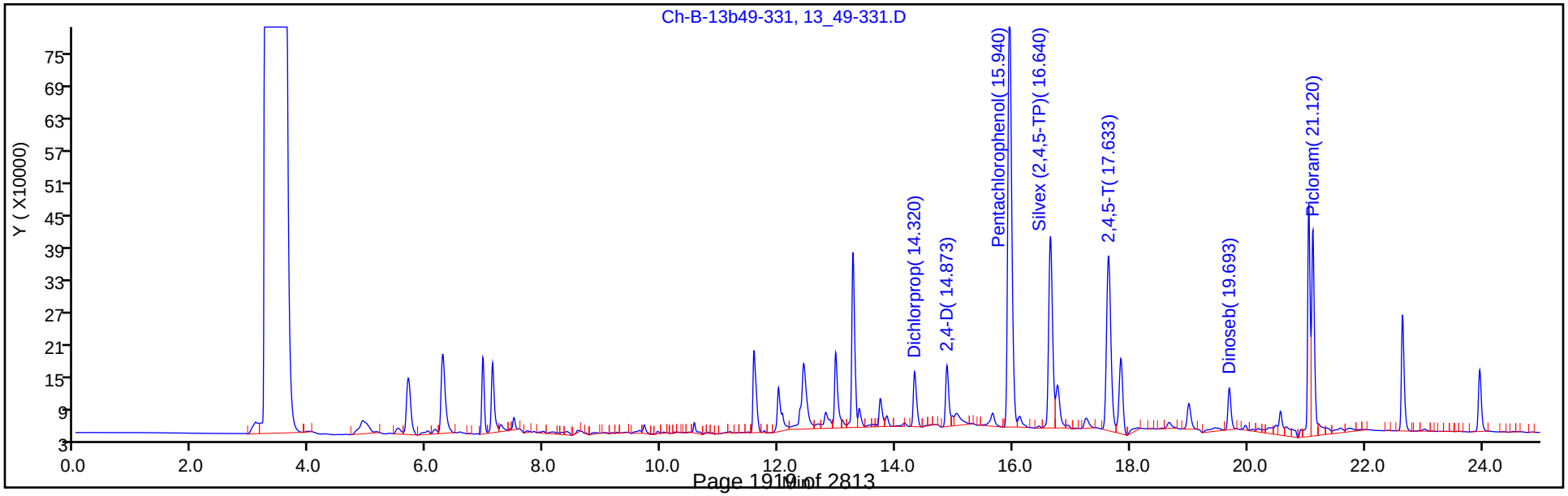
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D				
Lims ID:	LCSD 480-617097/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	09-Mar-2022 16:30:41	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:29:58		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2153	86.11

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2071	82.86

Manual Integration/User Assign Peak Report

Eurofins Buffalo

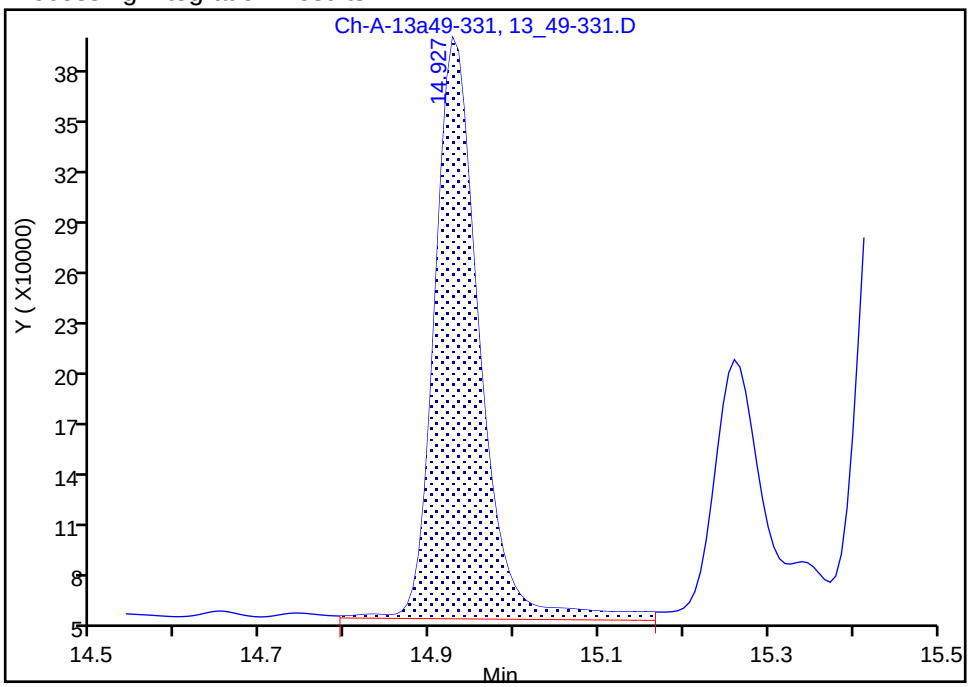
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D				
Injection Date:	09-Mar-2022 16:30:41	Instrument ID:	HP5890-13		
Lims ID:	LCSD 480-617097/3-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTX-CLPI for 8151 (0.53 mm)	Detector	Ch-A-13A01239		

5 Silvex (2,4,5-TP), CAS: 93-72-1

Signal: 1

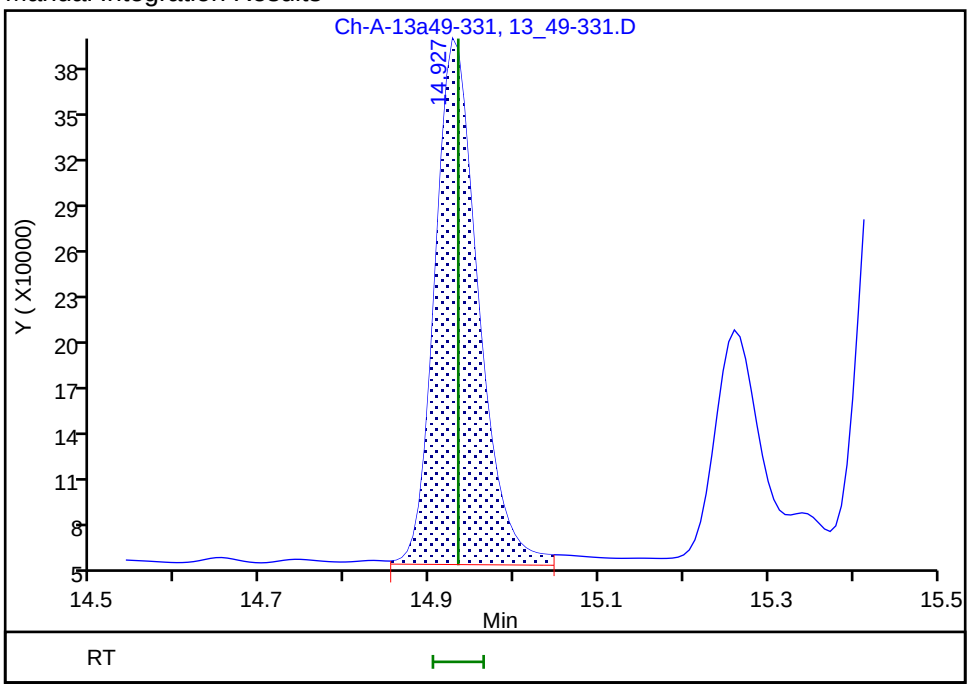
Processing Integration Results

RT: 14.93
Area: 1266074
Amount: 0.170875
Amount Units: ng/ul



Manual Integration Results

RT: 14.93
Area: 1219901
Amount: 0.164644
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:29:50
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-617097/3-A
Matrix: Solid
Lab File ID: 13_49-331.D
Analysis Method: 8151
Date Collected:
Extraction Method: 8151A
Date Extracted: 03/08/2022 09:52
Sample wt/vol: 1000(mL)
Date Analyzed: 03/09/2022 16:30
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-CLPII ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 617225
Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	83		48-132

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D
Lims ID: LCSD 480-617097/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Mar-2022 16:30:41 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-13

Method: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 10-Mar-2022 06:35:24 Calib Date: 18-Feb-2022 15:28:13
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D

Column 1 : RTX-CLPI for 8151 (0.53 mm) Det: Ch-A-13A01239
Column 2 : RTC-CLPII for 8151 (0.53 mm) Det: Ch-B-13b01239
Process Host: CTX1606

First Level Reviewer: NearyM Date: 10-Mar-2022 06:29:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 2,4-Dichlorophenylacetic acid							M
1	12.100	12.107	-0.007	502877	0.2500	0.2153	
2	12.973	12.980	-0.007	532934	0.2500	0.2071	M
						RPD = 3.85	
2 Dichlorprop							
1	13.267	13.267	0.000	280248	0.2000	0.1444	
2	14.320	14.327	-0.007	397534	0.2000	0.1484	
						RPD = 2.70	
3 2,4-D							M
1	13.587	13.587	0.000	321975	0.2000	0.1595	
2	14.873	14.880	-0.007	431112	0.2000	0.1526	M
						RPD = 4.39	
4 Pentachlorophenol							
1	14.060	14.067	-0.007	2697626	0.2000	0.1287	
2	15.940	15.947	-0.007	3641004	0.2000	0.1590	
						RPD = 21.11	
5 Silvex (2,4,5-TP)							M
1	14.927	14.933	-0.006	1219901	0.2000	0.1646	M
2	16.640	16.647	-0.007	1645982	0.2000	0.1729	
						RPD = 4.90	
6 2,4,5-T							
1	15.433	15.440	-0.007	1219703	0.2000	0.1779	
2	17.633	17.640	-0.007	1704522	0.2000	0.1830	
						RPD = 2.80	
7 Picloram							M
1	18.900	18.907	-0.007	955815	0.2000	0.2085	
2	21.120	21.120	0.000	1265782	0.2000	0.2460	M
						RPD = 16.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
8 Dinoseb							
1	19.280	19.280	0.000	195798	0.2000	0.0328	
2	19.693	19.687	0.006	283163	0.2000	0.0411	
						RPD = 22.37	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 10-Mar-2022 06:35:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D

Injection Date: 09-Mar-2022 16:30:41 Instrument ID: HP5890-13 Operator ID: BufTCHROM

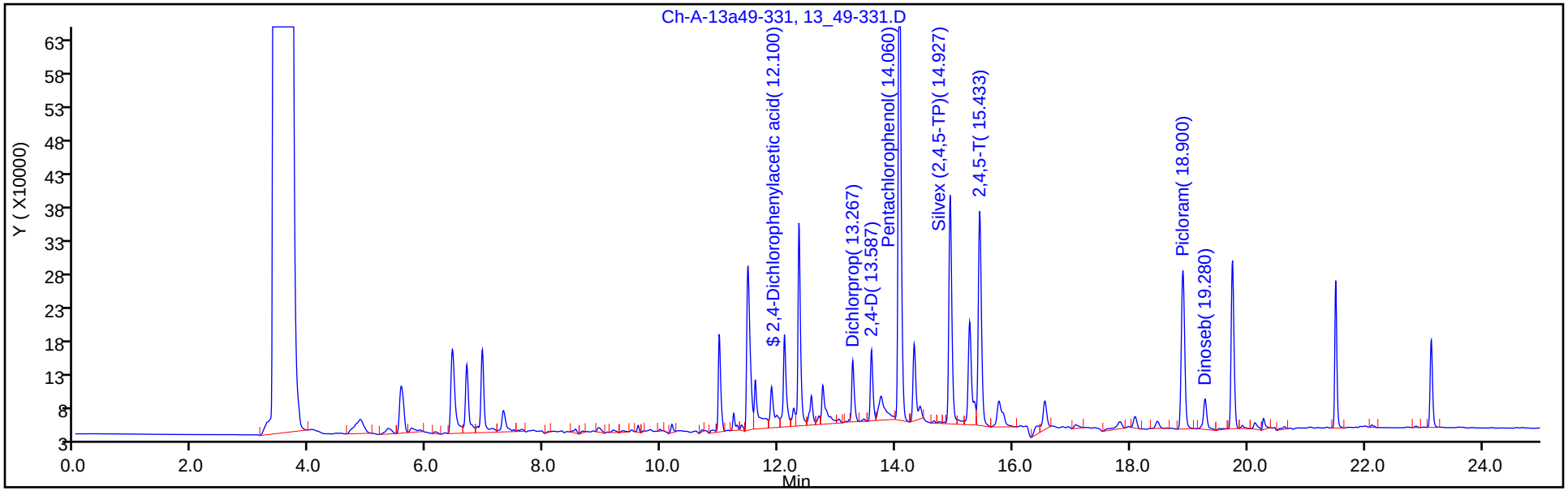
Lims ID: LCSD 480-617097/3-A Worklist Smp#: 15

Client ID:

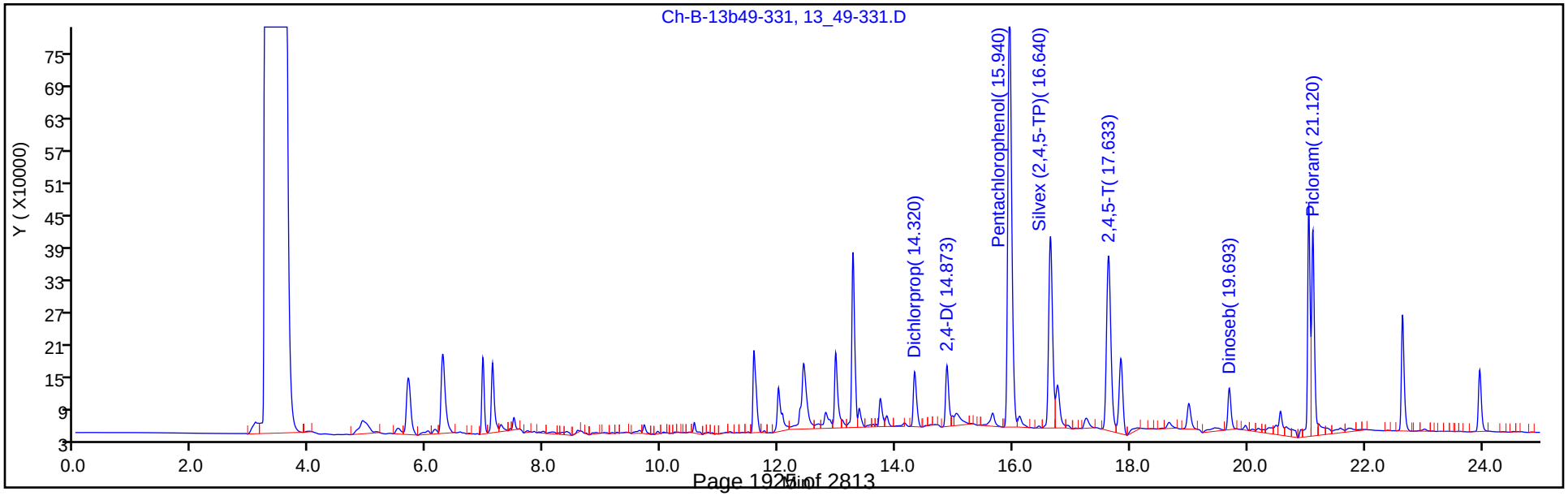
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8151-13 Limit Group: GC - 8151A - ICAL

Column: RTX-CLPI for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTC-CLPII for 8151 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D				
Lims ID:	LCSD 480-617097/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	09-Mar-2022 16:30:41	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-13		
Method:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\8151-13.m				
Limit Group:	GC - 8151A - ICAL				
Last Update:	10-Mar-2022 06:35:24	Calib Date:	18-Feb-2022 15:28:13		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220218-104002.b\13_49-142.D				
Column 1 :	RTX-CLPI for 8151 (0.53 mm)		Det: Ch-A-13A01239		
Column 2 :	RTC-CLPII for 8151 (0.53 mm)		Det: Ch-B-13b01239		
Process Host:	CTX1606				
First Level Reviewer: NearyM		Date:	10-Mar-2022 06:29:58		

Surrogate Recovery, Detector: Ch-A-13A01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2153	86.11

Surrogate Recovery, Detector: Ch-B-13b01239

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 2,4-Dichlorophenylacetic acid	0.2500	0.2071	82.86

Manual Integration/User Assign Peak Report

Eurofins Buffalo

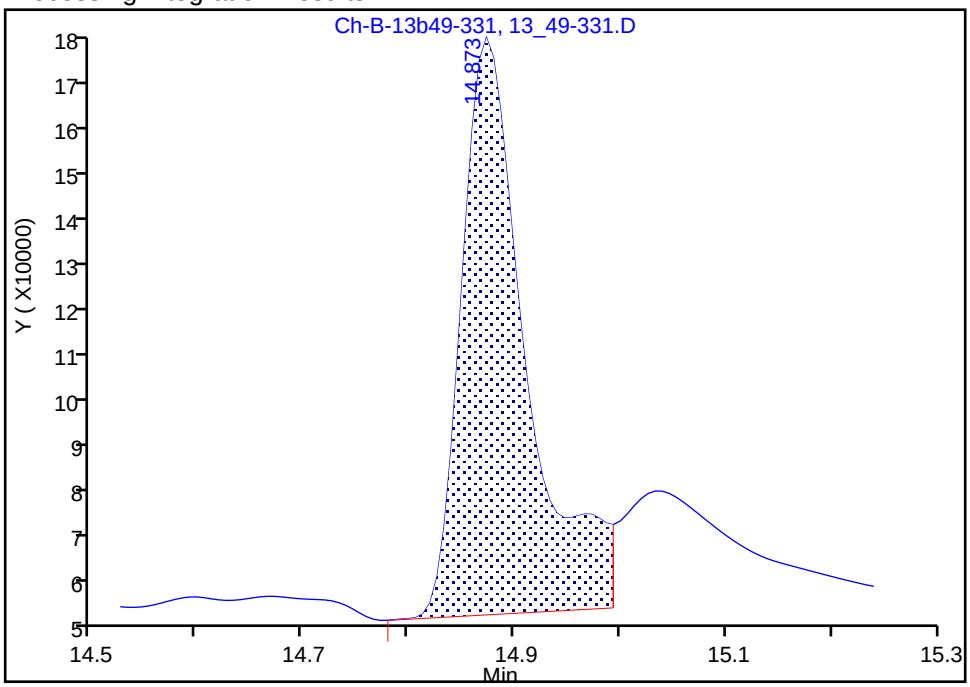
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D				
Injection Date:	09-Mar-2022 16:30:41	Instrument ID:	HP5890-13		
Lims ID:	LCSD 480-617097/3-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

3 2,4-D, CAS: 94-75-7

Signal: 2

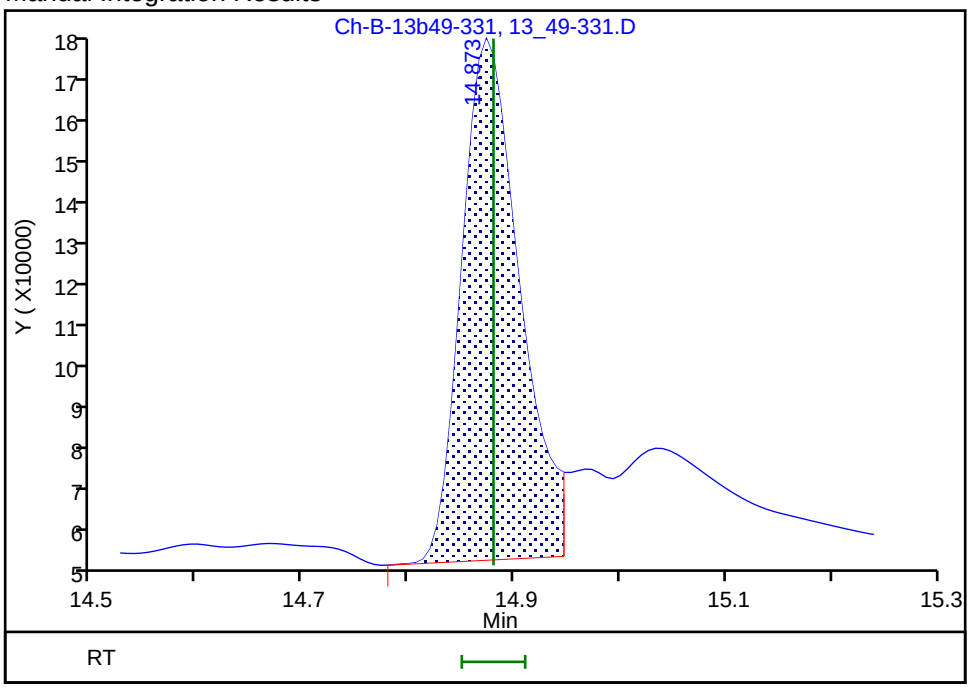
Processing Integration Results

RT: 14.87
Area: 481289
Amount: 0.170373
Amount Units: ng/ul



Manual Integration Results

RT: 14.87
Area: 431112
Amount: 0.152610
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:29:39

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Buffalo

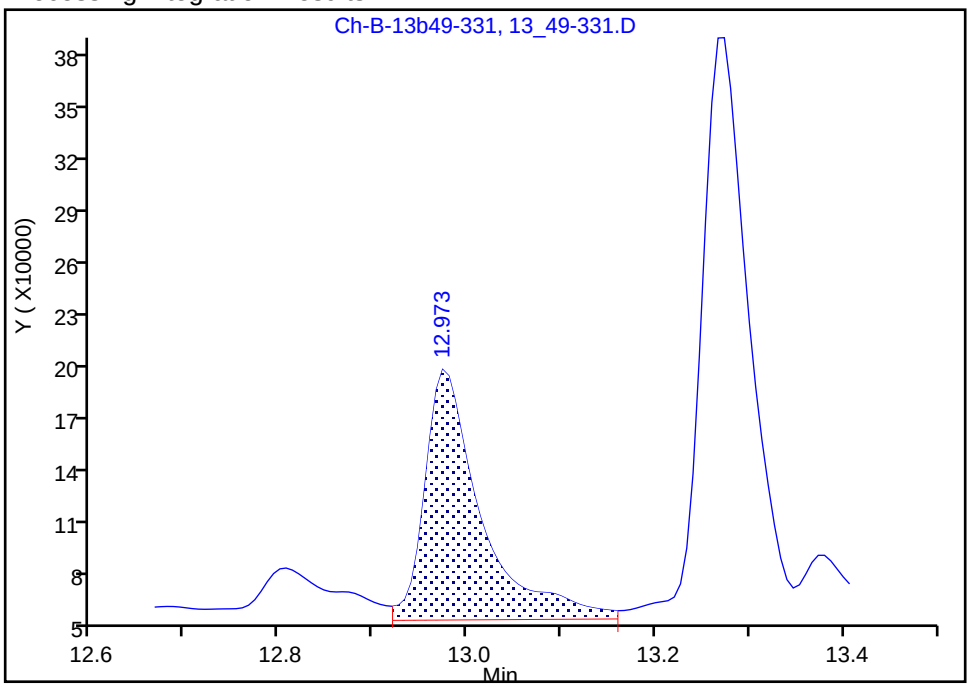
Data File:	\\chromfs\Buffalo\ChromData\HP5890-13\20220309-104275.b\13_49-331.D				
Injection Date:	09-Mar-2022 16:30:41	Instrument ID:	HP5890-13		
Lims ID:	LCSD 480-617097/3-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTC-CLPII for 8151 (0.53 mm)	Detector	Ch-B-13b01239		

$ 1 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 2

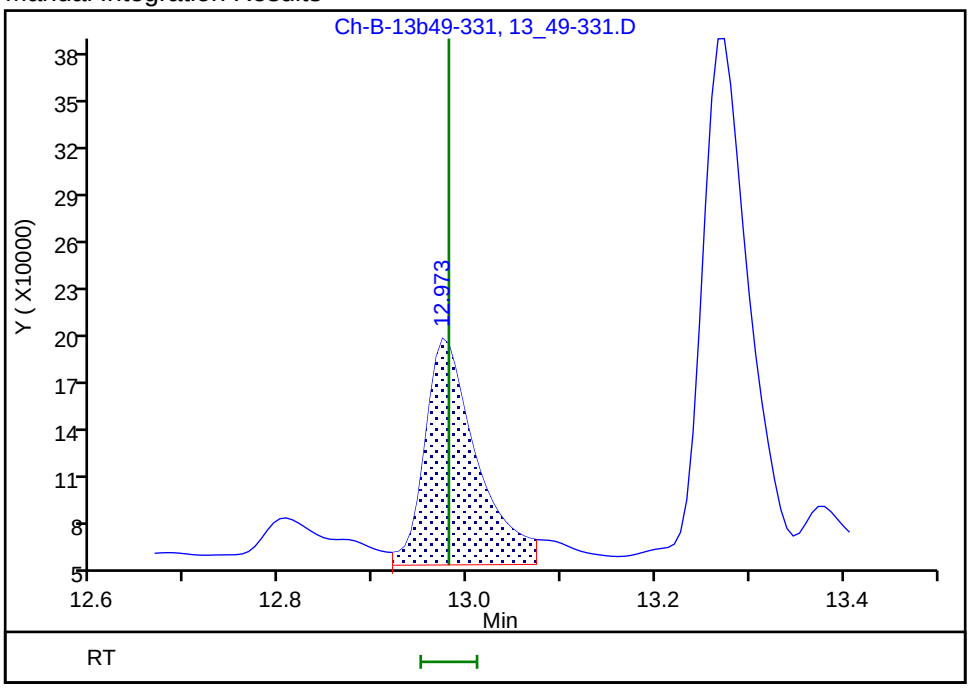
Processing Integration Results

RT: 12.97
Area: 582699
Amount: 0.226480
Amount Units: ng/ul



Manual Integration Results

RT: 12.97
Area: 532934
Amount: 0.207138
Amount Units: ng/ul



Reviewer: NearyM, 10-Mar-2022 06:29:25

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 02/18/2022 12:29

Analysis Batch Number: 615386 End Date: 02/19/2022 01:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-615386/2 IC		02/18/2022 12:29	1	13_49-136.D	RTX-CLPI 0.53(mm)
STD1 480-615386/2 IC		02/18/2022 12:29	1	13_49-136.D	RTX-CLPII 0.53(mm)
STD2 480-615386/3 IC		02/18/2022 12:59	1	13_49-137.D	RTX-CLPI 0.53(mm)
STD2 480-615386/3 IC		02/18/2022 12:59	1	13_49-137.D	RTX-CLPII 0.53(mm)
STD3 480-615386/4 IC		02/18/2022 13:29	1	13_49-138.D	RTX-CLPI 0.53(mm)
STD3 480-615386/4 IC		02/18/2022 13:29	1	13_49-138.D	RTX-CLPII 0.53(mm)
STD4 480-615386/5 IC		02/18/2022 13:58	1	13_49-139.D	RTX-CLPI 0.53(mm)
STD4 480-615386/5 IC		02/18/2022 13:58	1	13_49-139.D	RTX-CLPII 0.53(mm)
STD5 480-615386/6 IC		02/18/2022 14:28	1	13_49-140.D	RTX-CLPI 0.53(mm)
STD5 480-615386/6 IC		02/18/2022 14:28	1	13_49-140.D	RTX-CLPII 0.53(mm)
STD6 480-615386/7 IC		02/18/2022 14:58	1	13_49-141.D	RTX-CLPI 0.53(mm)
STD6 480-615386/7 IC		02/18/2022 14:58	1	13_49-141.D	RTX-CLPII 0.53(mm)
STD7 480-615386/8 IC		02/18/2022 15:28	1	13_49-142.D	RTX-CLPI 0.53(mm)
STD7 480-615386/8 IC		02/18/2022 15:28	1	13_49-142.D	RTX-CLPII 0.53(mm)
ICV 480-615386/9		02/18/2022 15:57	1	13_49-143.D	RTX-CLPI 0.53(mm)
ICV 480-615386/9		02/18/2022 15:57	1	13_49-143.D	RTX-CLPII 0.53(mm)
CCV 480-615386/10		02/18/2022 16:27	1		RTX-CLPI 0.53(mm)
CCV 480-615386/10		02/18/2022 16:27	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 16:57	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 16:57	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 17:27	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 17:27	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 17:56	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 17:56	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 18:26	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 18:26	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 18:56	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 18:56	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 19:25	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 19:25	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 19:55	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 19:55	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 20:25	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 20:25	1		RTX-CLPII 0.53(mm)
CCV 480-615386/19		02/18/2022 20:54	1		RTX-CLPI 0.53(mm)
CCV 480-615386/19		02/18/2022 20:54	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 21:24	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 21:24	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 21:54	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 21:54	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 22:23	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 22:23	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 22:53	4		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 22:53	4		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 23:23	1		RTX-CLPI 0.53(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 02/18/2022 12:29

Analysis Batch Number: 615386 End Date: 02/19/2022 01:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/18/2022 23:23	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/18/2022 23:53	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/18/2022 23:53	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/19/2022 00:22	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/19/2022 00:22	1		RTX-CLPII 0.53(mm)
ZZZZZ		02/19/2022 00:52	1		RTX-CLPI 0.53(mm)
ZZZZZ		02/19/2022 00:52	1		RTX-CLPII 0.53(mm)
CCV 480-615386/28		02/19/2022 01:22	1		RTX-CLPI 0.53(mm)
CCV 480-615386/28		02/19/2022 01:22	1		RTX-CLPII 0.53(mm)

8151

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 03/09/2022 09:21

Analysis Batch Number: 617225 End Date: 03/09/2022 19:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-617225/5		03/09/2022 09:21	1		RTX-CLPI 0.53(mm)
CCV 480-617225/5		03/09/2022 09:21	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 12:32	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 12:32	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 13:01	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 13:01	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 13:31	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 13:31	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 14:31	5		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 14:31	5		RTX-CLPII 0.53(mm)
CCV 480-617225/12		03/09/2022 15:01	1	13_49-328.D	RTX-CLPI 0.53(mm)
CCV 480-617225/12		03/09/2022 15:01	1	13_49-328.D	RTX-CLPII 0.53(mm)
MB 480-617097/1-A		03/09/2022 15:31	1	13_49-329.D	RTX-CLPI 0.53(mm)
MB 480-617097/1-A		03/09/2022 15:31	1	13_49-329.D	RTX-CLPII 0.53(mm)
LCS 480-617097/2-A		03/09/2022 16:00	1	13_49-330.D	RTX-CLPI 0.53(mm)
LCS 480-617097/2-A		03/09/2022 16:00	1	13_49-330.D	RTX-CLPII 0.53(mm)
LCSD 480-617097/3-A		03/09/2022 16:30	1	13_49-331.D	RTX-CLPI 0.53(mm)
LCSD 480-617097/3-A		03/09/2022 16:30	1	13_49-331.D	RTX-CLPII 0.53(mm)
LB 480-616935/1-C		03/09/2022 17:00	1	13_49-332.D	RTX-CLPI 0.53(mm)
LB 480-616935/1-C		03/09/2022 17:00	1	13_49-332.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 17:29	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 17:29	1		RTX-CLPII 0.53(mm)
480-195466-9	LF1	03/09/2022 17:59	1	13_49-334.D	RTX-CLPI 0.53(mm)
480-195466-9	LF1	03/09/2022 17:59	1	13_49-334.D	RTX-CLPII 0.53(mm)
480-195466-10	LF2	03/09/2022 18:28	1	13_49-335.D	RTX-CLPI 0.53(mm)
480-195466-10	LF2	03/09/2022 18:28	1	13_49-335.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 18:58	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 18:58	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/09/2022 19:28	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/09/2022 19:28	1		RTX-CLPII 0.53(mm)
CCV 480-617225/22		03/09/2022 19:57	1	13_49-338.D	RTX-CLPI 0.53(mm)
CCV 480-617225/22		03/09/2022 19:57	1	13_49-338.D	RTX-CLPII 0.53(mm)

8151

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 480-616935/1		1311, 8151A, 8151			2000 mL				
480-195466-A-9	LF1	1311, 8151A, 8151	P	100.56 g	2000 mL	5.21 g	96.5 mL	8.70 SU	3.5
480-195466-A-10	LF2	1311, 8151A, 8151	P	100.41 g	2000 mL	5.11 g	96.5 mL	8.74 SU	3.5

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	ExtractionFluidOne	ExtractionFluidTwo	VesselNumber	FiltCompDate
LB 480-616935/1		1311, 8151A, 8151				Yes	No	15	3/8/22
480-195466-A-9	LF1	1311, 8151A, 8151	P	Yes	2.30 SU	Yes	No	19	3/8/22
480-195466-A-10	LF2	1311, 8151A, 8151	P	Yes	2.53 SU	Yes	No	20	3/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	LeachVolume	TCLP%Solids	ExtractFluid	
LB 480-616935/1		1311, 8151A, 8151		8:44	4.86 SU	1250/750 mL	Yes %	One	
480-195466-A-9	LF1	1311, 8151A, 8151	P	8:44	6.07 SU	1000/225 mL	Yes %	One	
480-195466-A-10	LF2	1311, 8151A, 8151	P	8:44	6.15 SU	1000/400 mL	Yes %	One	

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 Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Hot Plate ID	1714070904915; Hot Plate Thermometer ID; 170102499
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Tumbler Rotations per Minute	28 RPM, Tumbler #1 JP
Balance ID	Balance-6
pH Meter ID	K00599
pH Meter Calibration Slope	97.9%
Room Temperature Thermometer ID	12227689
TCLP Fluid 1 ID	6885567
TCLP Fluid 1 pH	4.89 JP
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
1N HCl ID	6120199
Filter ID	400192-1362-T
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
Uncorrected Minimum Temperature	23.6 Degrees C
Minimum Temperature	23.5 Degrees C
Bottle Lot ID	0206901C
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617097 Batch Start Date: 03/08/22 09:52 Batch Analyst: Pollock, Jacob M

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8151spike 00072
MB 480-617097/1		8151A, 8151		1000 mL	10 mL	7 SU	>11 SU	<2 SU	
LCS 480-617097/2		8151A, 8151		1000 mL	10 mL	7 SU	>11 SU	<2 SU	1 mL
LCSD 480-617097/3		8151A, 8151		1000 mL	10 mL	7 SU	>11 SU	<2 SU	1 mL
LB 480-616935/1-A		8151A, 8151		250 mL	10 mL	4.87 SU	>11 SU	<2 SU	
480-195466-A-9-A	LF1	8151A, 8151	P	250 mL	10 mL	6.07 SU	>11 SU	<2 SU	
480-195466-A-10-A	LF2	8151A, 8151	P	250 mL	10 mL	6.15 SU	>11 SU	<2 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8151surroga 00034					
MB 480-617097/1		8151A, 8151		1 mL					
LCS 480-617097/2		8151A, 8151		1 mL					
LCSD 480-617097/3		8151A, 8151		1 mL					
LB 480-616935/1-A		8151A, 8151		1 mL					
480-195466-A-9-A	LF1	8151A, 8151	P	1 mL					
480-195466-A-10-A	LF2	8151A, 8151	P	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617097 Batch Start Date: 03/08/22 09:52 Batch Analyst: Pollock, Jacob M

Batch Method: 8151A Batch End Date:

Batch Notes	
Sulfuric Acid Lot Number	6879531
Analyst ID - Extraction	JP
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	Yes
MeCL2 ID	6885957
NaCl ID	6871077
Base Used to Adjust pH ID	6823066
Acid Used for pH Adjustment ID	6879531
Diethyl Ether ID	6876397
Acidified Na2SO4 ID	6870934
Methylation Start Time - 1 Hour	10/04/2021 16:07
Diazald ID	6748021
Carbitol ID	6729462
Silicic Acid ID	6552440
Vial Lot Number	1709111094
Hexane ID	6883443
Methanol ID	6720864
Batch Comment	Filtered by: VF, Esterified by: VF 03/09/22

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.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG No.:

Project: Project # 18-046 - Lakeside Village Apts

Client Sample ID	Lab Sample ID
LF1	480-195466-9
LF2	480-195466-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:15
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.75	1.0	0.10	mg/L	J		1	6010C
7440-43-9	Cadmium	0.0018	0.0020	0.00050	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.020	0.010	mg/L			1	6010C
7439-92-1	Lead	0.0075	0.020	0.0030	mg/L	J		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:25
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.63	1.0	0.10	mg/L	J		1	6010C
7440-43-9	Cadmium	0.00086	0.0020	0.00050	mg/L	J		1	6010C
7440-47-3	Chromium	ND	0.020	0.010	mg/L			1	6010C
7439-92-1	Lead	0.011	0.020	0.0030	mg/L	J		1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEI_MSS_ICV_00096 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00218

Analyte	ICV 480-617286/5 03/08/2022 11:10				CCV 480-617286/17 03/09/2022 01:35				CCV 480-617286/26 03/09/2022 02:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.738		0.750	98	1.01		1.00	101	1.01		1.00	101
Barium	0.732		0.750	98	1.05		1.00	105	1.05		1.00	105
Cadmium	0.743		0.750	99	1.01		1.00	101	1.01		1.00	101
Chromium	0.753		0.750	100	1.05		1.00	105	1.05		1.00	105
Lead	0.739		0.750	99	0.953		1.00	95	0.951		1.00	95
Selenium	0.742		0.750	99	1.04		1.00	104	1.04		1.00	104
Silver	0.706		0.750	94	1.07		1.00	107	1.06		1.00	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEI_MSS_ICV_00096 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00218

Analyte	CCV 480-617286/35 03/09/2022 03:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1.01		1.00	101								
Barium	1.05		1.00	105								
Cadmium	1.01		1.00	101								
Chromium	1.05		1.00	105								
Lead	0.950		1.00	95								
Selenium	1.04		1.00	104								
Silver	1.04		1.00	104								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEI_10_CCVL_00425 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00425

Analyte	ICVL 480-617286/7 03/08/2022 11:17				CCVL 480-617286/19 03/09/2022 01:43				CCVL 480-617286/28 03/09/2022 02:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0138	J	0.0150	92	0.0143	J	0.0150	95	0.0139	J	0.0150	93
Barium	0.00192	J	0.00200	96	0.00185	J	0.00200	93	0.00192	J	0.00200	96
Cadmium	0.00189	J	0.00200	95	0.00186	J	0.00200	93	0.00182	J	0.00200	91
Chromium	0.00403		0.00400	101	0.00411		0.00400	103	0.00409		0.00400	102
Lead	0.0100		0.0100	100	0.00919	J	0.0100	92	0.00979	J	0.0100	98
Selenium	0.0234	J	0.0250	94	0.0229	J	0.0250	91	0.0230	J	0.0250	92
Silver	0.00520	J	0.00600	87	0.00625		0.00600	104	0.00605		0.00600	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEI_10_CCVL_00425 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00425

Analyte	CCVL 480-617286/37 03/09/2022 03:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0147	J	0.0150	98								
Barium	0.00193	J	0.00200	97								
Cadmium	0.00166	J	0.00200	83								
Chromium	0.00402		0.00400	101								
Lead	0.00944	J	0.0100	94								
Selenium	0.0249	J	0.0250	99								
Silver	0.00659		0.00600	110								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEH_HG1_WKG_02789 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02789

Analyte	ICV 480-617202/7 03/08/2022 13:37				ICVL 480-617202/9 03/08/2022 13:39				CCV 480-617202/67 03/08/2022 14:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00315		0.00300	105	0.000200		0.000200	100	0.00205		0.00200	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEH_HG1_WKG_02789 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02789

Analyte	CCVL 480-617202/69 03/08/2022 14:58				CCV 480-617202/80 03/08/2022 15:12				CCV 480-617202/92 03/08/2022 15:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000190	J	0.000200	95	0.00205		0.00200	103	0.00206		0.00200	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

ICV Source: MEH_HG1_WKG_02789 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02789

Analyte	CCVL 480-617202/117 03/08/2022 16:00											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000190	J	0.000200	95								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-617286/6 03/08/2022 11:14		CCB 480-617286/18 03/09/2022 01:39		CCB 480-617286/27 03/09/2022 02:25		CCB 480-617286/36 03/09/2022 03:10	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Lead	0.010	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-617202/8 03/08/2022 13:38		CCB 480-617202/68 03/08/2022 14:56		CCB 480-617202/81 03/08/2022 15:13		CCB 480-617202/93 03/08/2022 15:29	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-617104/2-A

Instrument Code: ICAP2 Batch No.: 617286

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-47-3	Chromium	ND			6010C
7439-92-1	Lead	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 480-616935/1-D

Instrument Code: ICAP2 Batch No.: 617286

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-47-3	Chromium	ND			6010C
7439-92-1	Lead	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-617106/2-A

Instrument Code: LEEMAN5 Batch No.: 617202

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 480-616935/1-E

Instrument Code: LEEMAN5 Batch No.: 617202

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICSA 480-617286/8 Instrument ID: ICAP2

Lab File ID: I2030822A-1.asc ICS Source: MEI_MSS_ICSA_00036

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.0061**	
Barium	**0.0120**	**0.0134**	
Cadmium		**0.0001**	
Chromium		**0.0014**	
Lead		**0.0095**	
Selenium		**0.0028**	
Silver		**-0.0005**	
Aluminum	*500*	*504*	*101*
Antimony		*0.0121*	
Beryllium		*-0.0001*	
Boron		*-0.0015*	
Calcium	*500*	*479*	*96*
Cobalt		*-0.0004*	
Copper		*-0.0001*	
Iron	*200*	*186*	*93*
Lithium		*0.0113*	
Magnesium	*500*	*512*	*102*
Manganese		*0.0000*	
Molybdenum		*-0.0013*	
Nickel		*-0.0015*	
Potassium		*0.173*	
Silicon		*-0.0241*	
Sodium		*0.0526*	
Sulfur		*-0.0444*	
Thallium		*-0.0025*	
Tin		*-0.0011*	
Titanium		*0.0019*	
Vanadium		*-0.0024*	
Zinc		*0.0022*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Lab Sample ID: ICSAB 480-617286/9 Instrument ID: ICAP2

Lab File ID: I2030822A-1.asc ICS Source: MEI_MSS_ICSAB_00032

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**0.500**	**0.512**	**102**
Barium	**0.513**	**0.517**	**101**
Cadmium	**0.500**	**0.519**	**104**
Chromium	**0.500**	**0.491**	**98**
Lead	**0.500**	**0.502**	**100**
Selenium	**0.500**	**0.494**	**99**
Silver	**0.500**	**0.528**	**106**
Aluminum	*500*	*496*	*99*
Antimony	*0.500*	*0.519*	*104*
Beryllium	*0.250*	*0.248*	*99*
Boron	*5.00*	*4.87*	*97*
Calcium	*500*	*469*	*94*
Cobalt	*0.500*	*0.490*	*98*
Copper	*0.500*	*0.509*	*102*
Iron	*200*	*184*	*92*
Lithium		*0.0117*	
Magnesium	*500*	*501*	*100*
Manganese	*0.501*	*0.484*	*97*
Molybdenum	*0.500*	*0.488*	*98*
Nickel	*0.501*	*0.487*	*97*
Potassium	*5.00*	*5.14*	*103*
Silicon	*5.00*	*4.81*	*96*
Sodium	*5.00*	*5.11*	*102*
Strontium	*0.500*	*0.500*	*100*
Sulfur		*-0.0468*	
Thallium	*0.500*	*0.481*	*96*
Tin	*0.500*	*0.491*	*98*
Titanium	*0.500*	*0.503*	*101*
Vanadium	*0.500*	*0.481*	*96*
Zinc	*0.501*	*0.448*	*89*

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-617104/3-A

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

Sample Matrix: Water LCS Source: MED_TCLP_00024

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	1.00	1.07		107	80	120		6010C
Barium	1.00	1.01		101	80	120		6010C
Cadmium	1.00	1.03		103	80	120		6010C
Chromium	1.00	1.02		102	80	120		6010C
Lead	1.00	0.943		94	80	120		6010C
Selenium	1.00	1.08		108	80	120		6010C
Silver	1.00	1.14		114	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-617106/3-A

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

Sample Matrix: Water LCS Source: MEH_HG_TCLP_W_00157

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00668	0.00688		103	80	120		7470A

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: ICAP2

Method: 6010C MDL Date: 04/29/2015 13:01

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	189.042	0.015	0.00555
Barium	455.403	1	0.1
Cadmium	228.802	0.002	0.0005
Chromium	267.716	0.02	0.01
Lead	220.353	0.02	0.003
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: ICAP2

Method: 6010C XMDL Date: 04/29/2015 13:01

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Cadmium	228.802	0.002	0.0005
Chromium	267.716	0.004	0.001
Lead	220.353	0.01	0.003
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN5

Method: 7470A MDL Date: 06/21/2021 17:21

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.0002	0.000043

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN5

Method: 7470A XMDL Date: 06/21/2021 17:23

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury	253.7	0.0002	0.000043

FORM IX - IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/12/2020

Analyte	Wave Length	Al	As	B	Ca	Ce	Co	Cr	Cu	Fe	Mg	Mn	Mo	S	Si
Aluminum	308.215														
Antimony	206.833	-0.000007						0.010493		-0.000007					
Arsenic	189.042							-0.003		-0.000017					
Barium	455.403														
Beryllium	313.042														
Boron	208.959												0.031758		
Cadmium	228.802		0.003547							-0.000007					
Calcium	317.933														
Chromium	267.716	-0.000004								-0.000004		0.000150			
Cobalt	228.616	0.000012											0.000776		
Copper	327.396				0.000024										
Iron	259.940														
Lead	220.353	-0.000057							0.000881	0.000029			-0.001918		0.003267
Lithium	670.784				0.00009										
Magnesium	279.079											-0.003351			
Manganese	257.610	0.000005								0.000003					
Molybdenum	202.030														
Nickel	231.604									0.000020					
Potassium	766.490														
Selenium	196.090									0.000015		0.000390			
Silicon	288.158														
Silver	328.068					-0.003915				-0.000005		0.000025			
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856						0.003145					0.000390165			
Tin	189.989														
Titanium	334.904												0.000971565		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/12/2020

Analyte	Wave Length	Al	As	B	Ca	Ce	Co	Cr	Cu	Fe	Mg	Mn	Mo	S	Si
Vanadium	292.402									0.000035917			-0.010240		
Zinc	206.200							-0.001388							

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/12/2020

Analyte	Wave Length	Ti	V	Zn											
Aluminum	308.215		0.296448												
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616	0.002076													
Copper	327.396	-0.001581													
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856		-0.0062377	0.000229											
Tin	189.989														
Titanium	334.904														
Vanadium	292.402	0.000388													
Zinc	206.200														

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Buffalo Job No: 480-195466-1

SDG No.:

Instrument ID: ICAP2 Date: 08/01/2019 10:00

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic	15	5	6010C
Barium	15	10	6010C
Cadmium	15	5	6010C
Chromium	15	10	6010C
Lead	15	120	6010C
Selenium	15	60	6010C
Silver	15	3	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Buffalo Job No: 480-195466-1

SDG No.:

Instrument ID: LEEMAN5 Date: 10/09/2018 16:19

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	20	7470A

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 480-616935/1-D	03/08/2022 11:10	617104		50	50
MB 480-617104/2-A	03/08/2022 11:10	617104		50	50
LCS 480-617104/3-A	03/08/2022 11:10	617104		50	50
480-195466-9	03/08/2022 11:10	617104		50	50
480-195466-10	03/08/2022 11:10	617104		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 480-616935/1-E	03/08/2022 11:29	617106		30	50
MB 480-617106/2-A	03/08/2022 11:29	617106		30	50
LCS 480-617106/3-A	03/08/2022 11:29	617106		30	50
480-195466-9	03/08/2022 11:29	617106		30	50
480-195466-10	03/08/2022 11:29	617106		30	50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: ICAP2 Method: 6010C

Start Date: 03/08/2022 10:55 End Date: 03/09/2022 03:14

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICIS 480-617286/1	1		10:55	X	X	X	X	X	X	X													
IC 480-617286/2			10:59	X	X	X	X	X	X	X													
IC 480-617286/3			11:03	X	X	X	X	X	X	X													
IC 480-617286/4			11:06	X	X	X	X	X	X	X													
ICV 480-617286/5	1		11:10	X	X	X	X	X	X	X													
ICB 480-617286/6	1		11:14	X	X	X	X	X	X	X													
ICVL 480-617286/7	1		11:17	X	X	X	X	X	X	X													
ICSA 480-617286/8	1		11:21	X	X	X	X	X	X	X													
ICSAB 480-617286/9	1		11:25	X	X	X	X	X	X	X													
ZZZZZZ			11:29																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ZZZZZZ			11:40																				
ZZZZZZ			11:44																				
CCV 480-617286/15			11:48																				
CCB 480-617286/16			11:51																				
CCV 480-617286/17	1		01:35	X	X	X	X	X	X	X													
CCB 480-617286/18	1		01:39	X	X	X	X	X	X	X													
CCVL 480-617286/19	1		01:43	X	X	X	X	X	X	X													
LB 480-616935/1-D	1	P	01:58	X	X	X	X	X	X	X													
MB 480-617104/2-A	1	T	02:02	X	X	X	X	X	X	X													
LCS 480-617104/3-A	1	T	02:06	X	X	X	X	X	X	X													
ZZZZZZ			02:09																				
480-195466-9	1	P	02:13	X	X	X	X	X	X	X													
480-195466-10	1	P	02:17	X	X	X	X	X	X	X													
CCV 480-617286/26	1		02:21	X	X	X	X	X	X	X													
CCB 480-617286/27	1		02:25	X	X	X	X	X	X	X													
CCVL 480-617286/28	1		02:29	X	X	X	X	X	X	X													
ZZZZZZ			02:33																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:44																				
ZZZZZZ			02:48																				
ZZZZZZ			02:52																				
CCV 480-617286/35	1		03:07	X	X	X	X	X	X	X													
CCB 480-617286/36	1		03:10	X	X	X	X	X	X	X													
CCVL 480-617286/37	1		03:14	X	X	X	X	X	X	X													

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 03/08/2022 13:28 End Date: 03/08/2022 16:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 480-617190/1-A			13:28	X																			
IC 480-617190/2-A			13:29	X																			
IC 480-617190/3-A			13:31	X																			
IC 480-617190/4-A			13:32	X																			
IC 480-617190/5-A			13:33	X																			
IC 480-617190/6-A			13:35	X																			
ICV 480-617202/7	1		13:37	X																			
ICB 480-617202/8	1		13:38	X																			
ICVL 480-617202/9	1		13:39	X																			
CCV 480-617202/10			13:41																				
CCB 480-617202/11			13:42																				
ZZZZZZ			13:43																				
ZZZZZZ			13:45																				
ZZZZZZ			13:46																				
ZZZZZZ			13:47																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:51																				
ZZZZZZ			13:52																				
ZZZZZZ			13:54																				
ZZZZZZ			13:55																				
CCV 480-617202/22			13:56																				
CCB 480-617202/23			13:58																				
ZZZZZZ			13:59																				
ZZZZZZ			14:00																				
ZZZZZZ			14:02																				
ZZZZZZ			14:03																				
ZZZZZZ			14:04																				
ZZZZZZ			14:05																				
ZZZZZZ			14:07																				
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
ZZZZZZ			14:11																				
CCV 480-617202/34			14:12																				
CCB 480-617202/35			14:13																				
ZZZZZZ			14:15																				
ZZZZZZ			14:16																				
ZZZZZZ			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:22																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 03/08/2022 13:28 End Date: 03/08/2022 16:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:24																				
ZZZZZZ			14:25																				
ZZZZZZ			14:26																				
CCV 480-617202/46			14:28																				
CCB 480-617202/47			14:29																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:33																				
ZZZZZZ			14:34																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
CCV 480-617202/58			14:43																				
CCB 480-617202/59			14:45																				
ZZZZZZ			14:46																				
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:50																				
ZZZZZZ			14:51																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
CCV 480-617202/67	1		14:55	X																			
CCB 480-617202/68	1		14:56	X																			
CCVL 480-617202/69	1		14:58	X																			
ZZZZZZ			14:59																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
LB 480-616935/1-E	1	P	15:08	X																			
MB 480-617106/2-A	1	T	15:09	X																			
LCS 480-617106/3-A	1	T	15:11	X																			
CCV 480-617202/80	1		15:12	X																			
CCB 480-617202/81	1		15:13	X																			
ZZZZZZ			15:15																				
480-195466-9	1	P	15:16	X																			
480-195466-10	1	P	15:17	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 03/08/2022 13:28 End Date: 03/08/2022 16:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:21																				
ZZZZZZ			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:25																				
ZZZZZZ			15:26																				
CCV 480-617202/92	1		15:28	X																			
CCB 480-617202/93	1		15:29	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:33																				
ZZZZZZ			15:34																				
ZZZZZZ			15:36																				
ZZZZZZ			15:37																				
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:42																				
CCV 480-617202/104			15:43																				
CCB 480-617202/105			15:45																				
ZZZZZZ			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:50																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:54																				
ZZZZZZ			15:55																				
ZZZZZZ			15:56																				
CCV 480-617202/115			15:58																				
CCB 480-617202/116			15:59																				
CCVL 480-617202/117	1		16:00	X																			

Prep Types
P = TCLP
T = Total/NA

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.: Analysis Batch No.: 617286

ICP Instrument ID: ICAP2 Start Date: 03/08/2022 End Date: 03/09/2022

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 377.433	Q	Element	Q
ICIS 480-617286/1	10:55										
ICV 480-617286/5	11:10	90		97		95		99			
ICB 480-617286/6	11:14	100		100		100		99			
ICVL 480-617286/7	11:17	100		99		100		100			
ICSA 480-617286/8	11:21	74		87		84		97			
ICSAB 480-617286/9	11:25	75		88		86		98			
CCV 480-617286/17	01:35	87		95		93		97			
CCB 480-617286/18	01:39	101		98		100		100			
CCVL 480-617286/19	01:43	101		98		99		96			
LB 480-616935/1-D	01:58	77		86		83		91			
MB 480-617104/2-A	02:02	100		98		99		96			
LCS 480-617104/3-A	02:06	77		87		84		94			
480-195466-9	02:13	70		81		81		92			
480-195466-10	02:17	70		80		80		90			
CCV 480-617286/26	02:21	87		94		93		95			
CCB 480-617286/27	02:25	101		98		99		97			
CCVL 480-617286/28	02:29	100		98		99		96			
CCV 480-617286/35	03:07	88		94		94		95			
CCB 480-617286/36	03:10	100		98		99		96			
CCVL 480-617286/37	03:14	101		98		100		97			

FORM XV - IN

Run File: I2030822A

Instrument: ICAP2

Analyst: BLH/LMH

Data Review: LMH 3/9/22

Spikes Ids:6797457(W1), 6794768(W2),6834415(Sn), 6742802(Ag),6802202(Si), 6370646(TCLP), 6802198(S)
Pipette IDs: 10/6/21-(1-11)
Internal Standard:6847177

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I2030822A	ICIS-6880245	3/8/2022 10:55:50AM	Standard
2	I2030822A	IC-6882776	3/8/2022 10:59:37AM	Standard
3	I2030822A	IC-6882719	3/8/2022 11:03:25AM	Standard
4	I2030822A	IC-3879869	3/8/2022 11:06:58AM	Standard
5	I2030822A	ICV-6880929	3/8/2022 11:10:31AM	QC
6	I2030822A	ICB-3880245	3/8/2022 11:14:04AM	QC
7	I2030822A	ICVL-6882776	3/8/2022 11:17:52AM	QC
8	I2030822A	ICSA-6865244	3/8/2022 11:21:40AM	QC
9	I2030822A	ICSAB-6874819	3/8/2022 11:25:32AM	QC
10	I2030822A	ICEX1	3/8/2022 11:29:12AM	Unknown
11	I2030822A	ICEX2	3/8/2022 11:33:08AM	Unknown
12	I2030822A	ICEX3	3/8/2022 11:36:58AM	Unknown
13	I2030822A	ICEX4	3/8/2022 11:40:50AM	Unknown
14	I2030822A	ICEX5	3/8/2022 11:44:35AM	Unknown
15	I2030822A	CCV-6882719	3/8/2022 11:48:23AM	QC
16	I2030822A	CCB-6880245	3/8/2022 11:51:55AM	QC
17	I2030822A	CCVL-6882776	3/8/2022 12:57:31PM	QC
18	I2030822A	MB 480-617001/1-A	3/8/2022 1:01:19PM	Unknown
19	I2030822A	LCSSRM 480-617001/2-	3/8/2022 1:05:07PM	Unknown
20	I2030822A	620-3081-D-2-J	3/8/2022 1:08:41PM	Unknown
21	I2030822A	620-3081-D-2-JSD@5	3/8/2022 1:12:21PM	Unknown
22	I2030822A	620-3081-D-2-JPDS	3/8/2022 1:16:00PM	Unknown
23	I2030822A	620-3081-D-2-K MS	3/8/2022 1:19:36PM	Unknown
24	I2030822A	620-3081-D-2-L MSD	3/8/2022 1:23:18PM	Unknown
25	I2030822A	620-3081-E-3-D	3/8/2022 1:26:57PM	Unknown
26	I2030822A	620-3081-D-4-E	3/8/2022 1:30:36PM	Unknown
27	I2030822A	CCV-6882719	3/8/2022 1:34:14PM	QC
28	I2030822A	CCB-6880245	3/8/2022 1:37:46PM	QC
29	I2030822A	CCVL-6882776	3/8/2022 1:41:36PM	QC
30	I2030822A	620-3081-D-5-E	3/8/2022 1:45:24PM	Unknown
31	I2030822A	480-195480-A-1-B	3/8/2022 1:49:01PM	Unknown
32	I2030822A	480-195480-A-4-B	3/8/2022 1:52:46PM	Unknown
33	I2030822A	480-195514-A-1-B	3/8/2022 1:56:26PM	Unknown
34	I2030822A	480-195514-A-2-B	3/8/2022 2:00:10PM	Unknown
35	I2030822A	480-195514-A-3-B	3/8/2022 2:03:56PM	Unknown
36	I2030822A	480-195514-A-4-B	3/8/2022 2:07:41PM	Unknown
37	I2030822A	480-195465-B-7-C	3/8/2022 2:11:27PM	Unknown
38	I2030822A	MB 480-616737/1-A	3/8/2022 2:15:19PM	Unknown
39	I2030822A	CCV-6882719	3/8/2022 2:19:08PM	QC
40	I2030822A	CCB-6880245	3/8/2022 2:22:41PM	QC
41	I2030822A	CCVL-6882776	3/8/2022 2:26:31PM	QC
42	I2030822A	195428-3 raw	3/8/2022 2:30:18PM	Unknown

43	I2030822A	480-195428-C-2-A	3/8/2022	3:22:39PM	Unknown
44	I2030822A	480-195441-C-1-A	3/8/2022	3:26:22PM	Unknown
45	I2030822A	MB 480-617054/1-A	3/8/2022	3:30:06PM	Unknown
46	I2030822A	LCS 480-617054/2-A	3/8/2022	3:33:54PM	Unknown
47	I2030822A	LCSD 480-617054/3-A	3/8/2022	3:37:29PM	Unknown
48	I2030822A	620-3245-F-1-A	3/8/2022	3:41:04PM	Unknown
49	I2030822A	620-3245-F-1-ASD@5	3/8/2022	3:44:47PM	Unknown
50	I2030822A	620-3245-F-1-APDS	3/8/2022	3:48:34PM	Unknown
51	I2030822A	CCV-6882719	3/8/2022	3:52:11PM	QC
52	I2030822A	CCB-6880245	3/8/2022	3:55:43PM	QC
53	I2030822A	CCVL-6882776	3/8/2022	3:59:32PM	QC
54	I2030822A	620-3245-F-1-B MS	3/8/2022	4:03:20PM	Unknown
55	I2030822A	620-3245-F-1-C MSD	3/8/2022	4:06:55PM	Unknown
56	I2030822A	620-3067-D-1-F	3/8/2022	4:10:30PM	Unknown
57	I2030822A	480-195521-E-1-A	3/8/2022	4:14:12PM	Unknown
58	I2030822A	480-195521-E-2-A	3/8/2022	4:18:13PM	Unknown
59	I2030822A	620-3247-I-6-B	3/8/2022	4:22:03PM	Unknown
60	I2030822A	480-195525-E-1-A	3/8/2022	4:25:44PM	Unknown
61	I2030822A	480-195525-E-2-A	3/8/2022	4:29:35PM	Unknown
62	I2030822A	480-195525-E-3-A	3/8/2022	4:33:24PM	Unknown
63	I2030822A	CCV-6882719	3/8/2022	4:37:28PM	QC
64	I2030822A	CCB-6880245	3/8/2022	4:41:00PM	QC
65	I2030822A	CCVL-6882776	3/8/2022	4:44:50PM	QC
66	I2030822A	480-195525-E-4-A	3/8/2022	4:48:38PM	Unknown
67	I2030822A	480-195525-E-5-A	3/8/2022	4:52:22PM	Unknown
68	I2030822A	480-195525-E-6-A	3/8/2022	4:56:23PM	Unknown
69	I2030822A	480-195525-E-7-A	3/8/2022	5:00:14PM	Unknown
70	I2030822A	480-195525-E-8-A	3/8/2022	5:04:10PM	Unknown
71	I2030822A	MB 480-616995/1-A	3/8/2022	5:08:00PM	Unknown
72	I2030822A	LCS 480-616995/2-A	3/8/2022	5:11:47PM	Unknown
73	I2030822A	LCSD 480-616995/3-A	3/8/2022	5:15:22PM	Unknown
74	I2030822A	620-3170-E-7-A	3/8/2022	5:18:58PM	Unknown
75	I2030822A	CCV-6882719	3/8/2022	5:22:45PM	QC
76	I2030822A	CCB-6880245	3/8/2022	5:26:17PM	QC
77	I2030822A	CCVL-6882776	3/8/2022	5:30:07PM	QC
78	I2030822A	620-3170-E-8-A	3/8/2022	5:33:55PM	Unknown
79	I2030822A	620-3170-E-9-A	3/8/2022	5:37:38PM	Unknown
80	I2030822A	620-3170-E-10-A	3/8/2022	5:41:23PM	Unknown
81	I2030822A	480-195428-D-1-A	3/8/2022	5:45:07PM	Unknown
82	I2030822A	480-195428-D-2-A	3/8/2022	5:48:51PM	Unknown
83	I2030822A	480-195428-D-3-A	3/8/2022	5:52:35PM	Unknown
84	I2030822A	480-195428-D-4-A	3/8/2022	5:56:18PM	Unknown
85	I2030822A	480-195428-D-5-A	3/8/2022	6:00:01PM	Unknown
86	I2030822A	620-3247-G-1-A	3/8/2022	6:03:44PM	Unknown
87	I2030822A	CCV-6882719	3/8/2022	6:07:31PM	QC
88	I2030822A	CCB-6880245	3/8/2022	6:11:02PM	QC
89	I2030822A	CCVL-6882776	3/8/2022	6:14:55PM	QC
90	I2030822A	620-3247-G-2-A	3/8/2022	6:18:42PM	Unknown
91	I2030822A	620-3247-G-2-ASD@5	3/8/2022	6:22:25PM	Unknown
92	I2030822A	620-3247-G-2-APDS	3/8/2022	6:26:10PM	Unknown
93	I2030822A	620-3247-G-2-B MS	3/8/2022	6:29:44PM	Unknown
94	I2030822A	620-3247-G-2-C MSD	3/8/2022	6:33:18PM	Unknown

95	I2030822A	620-3247-G-3-A	3/8/2022	6:36:53PM	Unknown
96	I2030822A	620-3247-G-4-A	3/8/2022	6:40:36PM	Unknown
97	I2030822A	620-3247-G-5-A	3/8/2022	6:44:18PM	Unknown
98	I2030822A	620-3247-G-7-A	3/8/2022	6:48:02PM	Unknown
99	I2030822A	CCV-6882719	3/8/2022	6:51:48PM	QC
100	I2030822A	CCB-6880245	3/8/2022	6:55:20PM	QC
101	I2030822A	CCVL-6882776	3/8/2022	6:59:11PM	QC
102	I2030822A	MB 480-617003/1-A	3/8/2022	7:02:59PM	Unknown
103	I2030822A	LCSSRM 480-617003/2-	3/8/2022	7:06:47PM	Unknown
104	I2030822A	480-195518-B-1-A	3/8/2022	7:10:21PM	Unknown
105	I2030822A	480-195518-B-2-A	3/8/2022	7:14:03PM	Unknown
106	I2030822A	480-195518-B-3-A	3/8/2022	7:17:51PM	Unknown
107	I2030822A	480-195518-B-4-A	3/8/2022	7:21:36PM	Unknown
108	I2030822A	480-195518-B-5-A	3/8/2022	7:25:23PM	Unknown
109	I2030822A	480-195518-B-6-A	3/8/2022	7:29:11PM	Unknown
110	I2030822A	480-195518-B-7-A	3/8/2022	7:32:55PM	Unknown
111	I2030822A	CCV-6882719	3/8/2022	7:36:45PM	QC
112	I2030822A	CCB-6880245	3/8/2022	7:40:17PM	QC
113	I2030822A	CCVL-6882776	3/8/2022	7:44:08PM	QC
114	I2030822A	480-195518-B-9-A	3/8/2022	7:47:56PM	Unknown
115	I2030822A	480-195518-B-10-A	3/8/2022	7:51:37PM	Unknown
116	I2030822A	195518-B-10-ASD@5	3/8/2022	7:55:21PM	Unknown
117	I2030822A	480-195518-B-10-APDS	3/8/2022	7:59:07PM	Unknown
118	I2030822A	480-195518-B-10-B MS	3/8/2022	8:02:47PM	Unknown
119	I2030822A	480-195518-B-10-C MS	3/8/2022	8:06:28PM	Unknown
120	I2030822A	480-195518-B-11-A	3/8/2022	8:10:09PM	Unknown
121	I2030822A	480-195518-B-12-A	3/8/2022	8:13:51PM	Unknown
122	I2030822A	480-195518-B-13-A	3/8/2022	8:17:37PM	Unknown
123	I2030822A	CCV-6882719	3/8/2022	8:21:28PM	QC
124	I2030822A	CCB-6880245	3/8/2022	8:25:00PM	QC
125	I2030822A	CCVL-6882776	3/8/2022	8:28:50PM	QC
126	I2030822A	480-195518-B-14-A	3/8/2022	8:32:38PM	Unknown
127	I2030822A	480-195518-B-15-A	3/8/2022	8:36:21PM	Unknown
128	I2030822A	480-195518-B-31-A	3/8/2022	8:40:03PM	Unknown
129	I2030822A	MB 480-617057/1-A	3/8/2022	8:43:44PM	Unknown
130	I2030822A	LCS 480-617057/2-A	3/8/2022	8:47:32PM	Unknown
131	I2030822A	480-195518-A-8-B	3/8/2022	8:51:06PM	Unknown
132	I2030822A	480-195518-A-8-BSD@5	3/8/2022	8:54:53PM	Unknown
133	I2030822A	480-195518-A-8-BPDS	3/8/2022	8:58:41PM	Unknown
134	I2030822A	480-195518-A-8-C MS	3/8/2022	9:02:17PM	Unknown
135	I2030822A	CCV-6882719	3/8/2022	9:05:52PM	QC
136	I2030822A	CCB-6880245	3/8/2022	9:09:25PM	QC
137	I2030822A	CCVL-6882776	3/8/2022	9:13:15PM	QC
138	I2030822A	480-195518-A-8-D MSD	3/8/2022	9:17:03PM	Unknown
139	I2030822A	480-195431-C-3-A	3/8/2022	9:20:37PM	Unknown
140	I2030822A	480-195516-C-1-A	3/8/2022	9:24:22PM	Unknown
141	I2030822A	480-195516-C-2-A	3/8/2022	9:28:06PM	Unknown
142	I2030822A	480-195516-C-3-A	3/8/2022	9:31:51PM	Unknown
143	I2030822A	480-195516-C-4-A	3/8/2022	9:35:35PM	Unknown
144	I2030822A	480-195516-C-5-A	3/8/2022	9:39:19PM	Unknown
145	I2030822A	480-195516-C-6-A	3/8/2022	9:43:04PM	Unknown
146	I2030822A	480-195516-C-7-A	3/8/2022	9:46:48PM	Unknown

147	I2030822A	CCV-6882719	3/8/2022	9:50:33PM	QC
148	I2030822A	CCB-6880245	3/8/2022	9:54:05PM	QC
149	I2030822A	CCVL-6882776	3/8/2022	9:57:54PM	QC
150	I2030822A	MB 480-617067/1-A	3/8/2022	10:01:41PM	Unknown
151	I2030822A	LCS 480-617067/2-A	3/8/2022	10:05:30PM	Unknown
152	I2030822A	480-195485-C-1-D	3/8/2022	10:09:05PM	Unknown
153	I2030822A	480-195485-C-2-B	3/8/2022	10:12:49PM	Unknown
154	I2030822A	480-195485-C-2-BSD@5	3/8/2022	10:16:31PM	Unknown
155	I2030822A	480-195485-C-2-BPDS	3/8/2022	10:20:14PM	Unknown
156	I2030822A	480-195485-C-2-C MS	3/8/2022	10:23:49PM	Unknown
157	I2030822A	480-195485-C-2-D MSD	3/8/2022	10:27:22PM	Unknown
158	I2030822A	480-195485-C-3-B	3/8/2022	10:30:56PM	Unknown
159	I2030822A	CCV-6882719	3/8/2022	10:34:43PM	QC
160	I2030822A	CCB-6880245	3/8/2022	10:38:15PM	QC
161	I2030822A	CCVL-6882776	3/8/2022	10:42:06PM	QC
162	I2030822A	480-195485-C-4-B	3/8/2022	10:45:54PM	Unknown
163	I2030822A	480-195485-C-5-B	3/8/2022	10:49:40PM	Unknown
164	I2030822A	480-195485-C-6-B	3/8/2022	10:53:22PM	Unknown
165	I2030822A	195469-2 tot	3/8/2022	10:57:06PM	Unknown
166	I2030822A	195469-5 tot	3/8/2022	11:00:50PM	Unknown
167	I2030822A	195469-6 tot	3/8/2022	11:04:32PM	Unknown
168	I2030822A	195484-2 tot	3/8/2022	11:08:17PM	Unknown
169	I2030822A	195448-1 sol	3/8/2022	11:12:01PM	Unknown
170	I2030822A	195448-6 sol	3/8/2022	11:15:45PM	Unknown
171	I2030822A	CCV-6882719	3/8/2022	11:19:32PM	QC
172	I2030822A	CCB-6880245	3/8/2022	11:23:03PM	QC
173	I2030822A	CCVL-6882776	3/8/2022	11:26:54PM	QC
174	I2030822A	195448-7 sol	3/8/2022	11:30:41PM	Unknown
175	I2030822A	195449-7 sol	3/8/2022	11:34:27PM	Unknown
176	I2030822A	195434-1 tot	3/8/2022	11:38:10PM	Unknown
177	I2030822A	195434-10 tot	3/8/2022	11:41:55PM	Unknown
178	I2030822A	195434-2 tot	3/8/2022	11:45:40PM	Unknown
179	I2030822A	195343-4 tot	3/8/2022	11:49:24PM	Unknown
180	I2030822A	195434-6 tot	3/8/2022	11:53:10PM	Unknown
181	I2030822A	195434-7 tot	3/8/2022	11:56:53PM	Unknown
182	I2030822A	LB 480-616934/1-C	3/9/2022	12:00:36AM	Unknown
183	I2030822A	CCV-6882719	3/9/2022	12:04:32AM	QC
184	I2030822A	CCB-6880245	3/9/2022	12:08:04AM	QC
185	I2030822A	CCVL-6882776	3/9/2022	12:11:54AM	QC
186	I2030822A	MB 480-617107/2-A	3/9/2022	12:15:41AM	Unknown
187	I2030822A	LCS 480-617107/3-A	3/9/2022	12:19:29AM	Unknown
188	I2030822A	480-195382-A-1-G	3/9/2022	12:23:15AM	Unknown
189	I2030822A	480-195518-A-16-C	3/9/2022	12:27:15AM	Unknown
190	I2030822A	480-195518-A-17-C	3/9/2022	12:31:04AM	Unknown
191	I2030822A	480-195518-A-18-E	3/9/2022	12:34:55AM	Unknown
192	I2030822A	195518-A-18-ESD@5	3/9/2022	12:38:47AM	Unknown
193	I2030822A	480-195518-A-18-EPDS	3/9/2022	12:42:39AM	Unknown
194	I2030822A	480-195518-A-18-F MS	3/9/2022	12:46:24AM	Unknown
195	I2030822A	CCV-6882719	3/9/2022	12:50:09AM	QC
196	I2030822A	CCB-6880245	3/9/2022	12:53:41AM	QC
197	I2030822A	CCVL-6882776	3/9/2022	12:57:31AM	QC
198	I2030822A	480-195518-B-18-C MS	3/9/2022	1:01:19AM	Unknown

199	I2030822A	480-195518-A-19-C	3/9/2022	1:05:03AM	Unknown
200	I2030822A	480-195518-A-20-C	3/9/2022	1:08:50AM	Unknown
201	I2030822A	480-195518-A-21-C	3/9/2022	1:12:41AM	Unknown
202	I2030822A	480-195518-B-22-C	3/9/2022	1:16:33AM	Unknown
203	I2030822A	480-195518-A-23-C	3/9/2022	1:20:23AM	Unknown
204	I2030822A	480-195518-B-24-C	3/9/2022	1:24:15AM	Unknown
205	I2030822A	480-195518-B-25-C	3/9/2022	1:28:06AM	Unknown
206	I2030822A	480-195518-A-26-C	3/9/2022	1:31:56AM	Unknown
207	I2030822A	CCV-6882719	3/9/2022	1:35:48AM	QC
208	I2030822A	CCB-6880245	3/9/2022	1:39:21AM	QC
209	I2030822A	CCVL-6882776	3/9/2022	1:43:09AM	QC
210	I2030822A	480-195518-A-27-C	3/9/2022	1:46:57AM	Unknown
211	I2030822A	480-195518-A-28-C	3/9/2022	1:50:48AM	Unknown
212	I2030822A	480-195518-A-30-C	3/9/2022	1:54:39AM	Unknown
213	I2030822A	LB 480-616935/1-D	3/9/2022	1:58:29AM	Unknown
214	I2030822A	MB 480-617104/2-A	3/9/2022	2:02:22AM	Unknown
215	I2030822A	LCS 480-617104/3-A	3/9/2022	2:06:10AM	Unknown
216	I2030822A	480-195286-B-1-E	3/9/2022	2:09:56AM	Unknown
217	I2030822A	480-195466-A-9-E	3/9/2022	2:13:51AM	Unknown
218	I2030822A	480-195466-A-10-E	3/9/2022	2:17:52AM	Unknown
219	I2030822A	CCV-6882719	3/9/2022	2:21:53AM	QC
220	I2030822A	CCB-6880245	3/9/2022	2:25:25AM	QC
221	I2030822A	CCVL-6882776	3/9/2022	2:29:15AM	QC
222	I2030822A	480-195483-A-1-E	3/9/2022	2:33:03AM	Unknown
223	I2030822A	480-195483-A-1-ESD@5	3/9/2022	2:36:58AM	Unknown
224	I2030822A	480-195483-A-1-EPDS	3/9/2022	2:40:47AM	Unknown
225	I2030822A	480-195483-A-1-F MS	3/9/2022	2:44:36AM	Unknown
226	I2030822A	480-195483-A-1-G MSD	3/9/2022	2:48:26AM	Unknown
227	I2030822A	480-195483-A-2-E	3/9/2022	2:52:15AM	Unknown
228	I2030822A	LB 480-617049/1-B	3/9/2022	2:56:06AM	Unknown
229	I2030822A	MB 480-617103/2-A	3/9/2022	2:59:55AM	Unknown
230	I2030822A	LCS 480-617103/3-A	3/9/2022	3:03:43AM	Unknown
231	I2030822A	CCV-6882719	3/9/2022	3:07:26AM	QC
232	I2030822A	CCB-6880245	3/9/2022	3:10:59AM	QC
233	I2030822A	CCVL-6882776	3/9/2022	3:14:51AM	QC
234	I2030822A	480-195518-A-29-B	3/9/2022	3:18:39AM	Unknown
235	I2030822A	195518-A-29-BSD@5	3/9/2022	3:22:27AM	Unknown
236	I2030822A	480-195518-A-29-BPDS	3/9/2022	3:26:15AM	Unknown
237	I2030822A	480-195518-A-29-C MS	3/9/2022	3:29:56AM	Unknown
238	I2030822A	480-195518-A-29-D MS	3/9/2022	3:33:36AM	Unknown
239	I2030822A	rinse	3/9/2022	3:37:16AM	Unknown
240	I2030822A	rinse	3/9/2022	3:41:04AM	Unknown
241	I2030822A	rinse	3/9/2022	3:44:51AM	Unknown
242	I2030822A	rinse	3/9/2022	3:48:39AM	Unknown
243	I2030822A	CCV-6882719	3/9/2022	3:52:31AM	QC
244	I2030822A	CCB-6880245	3/9/2022	3:56:03AM	QC
245	I2030822A	CCVL-6882776	3/9/2022	3:59:55AM	QC
246	I2030822A	ICSA-6865244	3/9/2022	4:03:43AM	QC
247	I2030822A	ICSAB-6874819	3/9/2022	4:07:34AM	QC
248	I2030822A	CCV-6882719	3/9/2022	4:11:18AM	QC
249	I2030822A	CCB-6880245	3/9/2022	4:14:51AM	QC

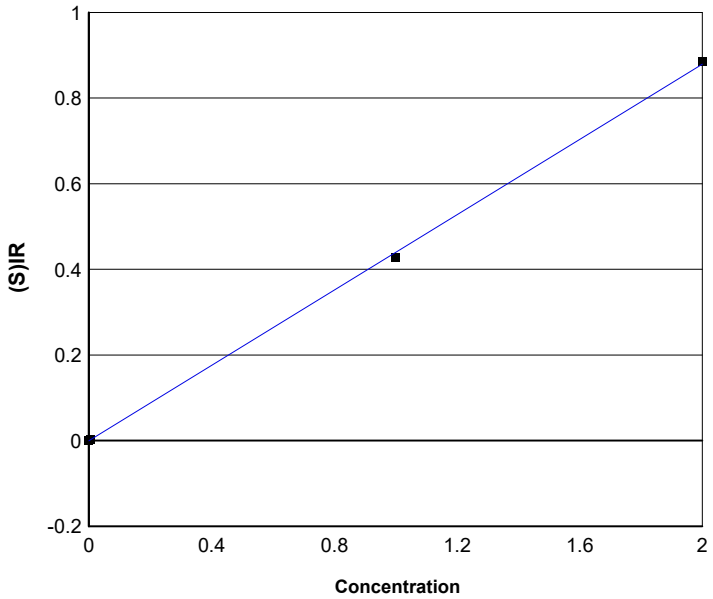
Flexible Report By Sample

Author:

Published: 3/9/2022 9:05:37AM

Instrument Name: 20094602a Serial Number: 20094602

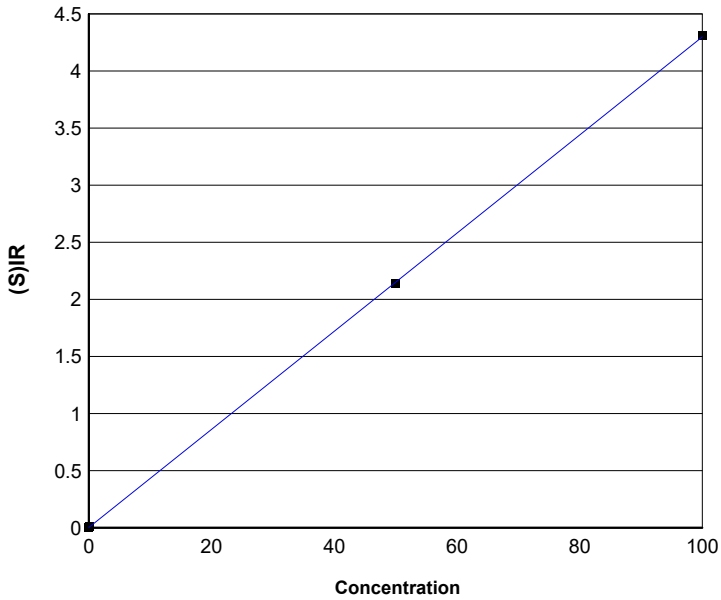
Method Name: ICAP2 New stds DEC2019 (866)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99989
A0 (Offset):	-0.00034710
A1 (Gain):	0.43989
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

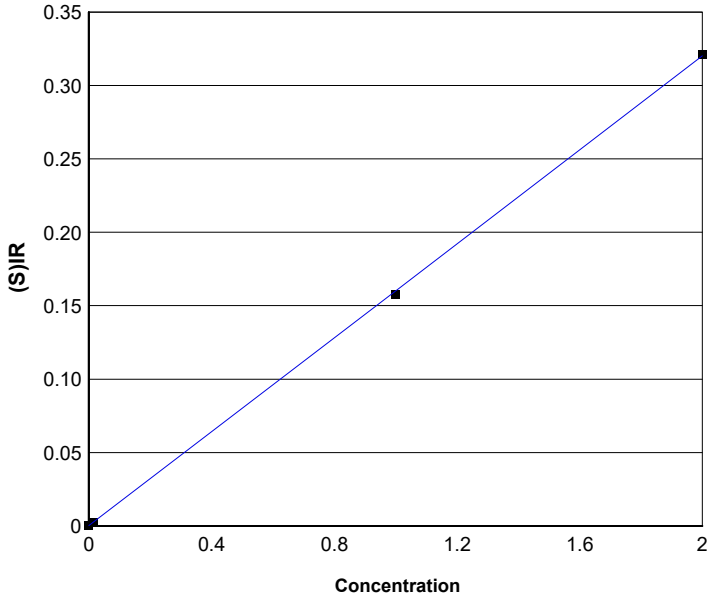
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001244	0.0000001244	0.00000	-0.00034705	0.00014265	1
IC-6882776	0.0060000	0.0059394	-0.000060624	-1.0104	0.0022658	0.000056147	1
IC-6882719	1.0000	0.97868	-0.021317	-2.1317	0.42847	0.00079763	1
IC-3879869	2.0000	2.0214	0.021378	1.0689	0.88545	0.0011540	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0026645
A1 (Gain):	0.042949
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

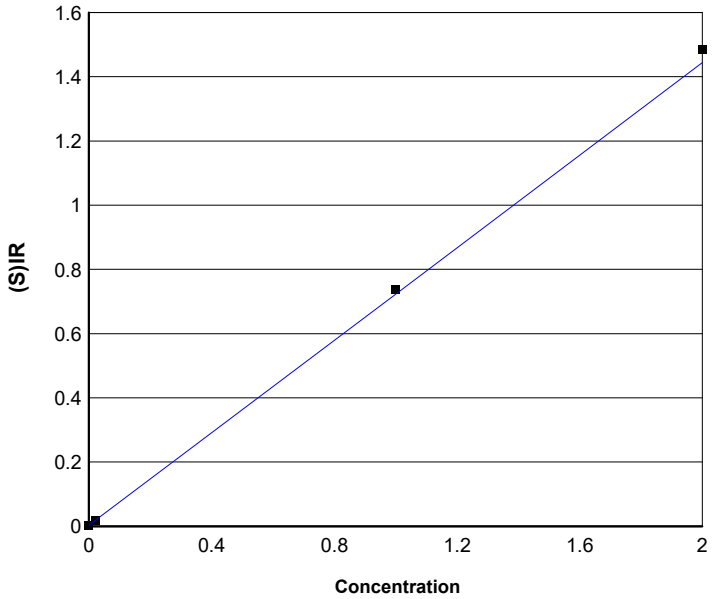
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.000014125	0.000014125	0.00000	0.0026651	0.0011425	1
IC-6882776	0.20000	0.18643	-0.013574	-6.7871	0.010676	0.00055189	1
IC-6882719	50.000	49.711	-0.28869	-0.57739	2.1386	0.019472	1
IC-3879869	100.00	100.30	0.30227	0.30227	4.3124	0.0010635	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.000081379
A1 (Gain):	0.16010
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

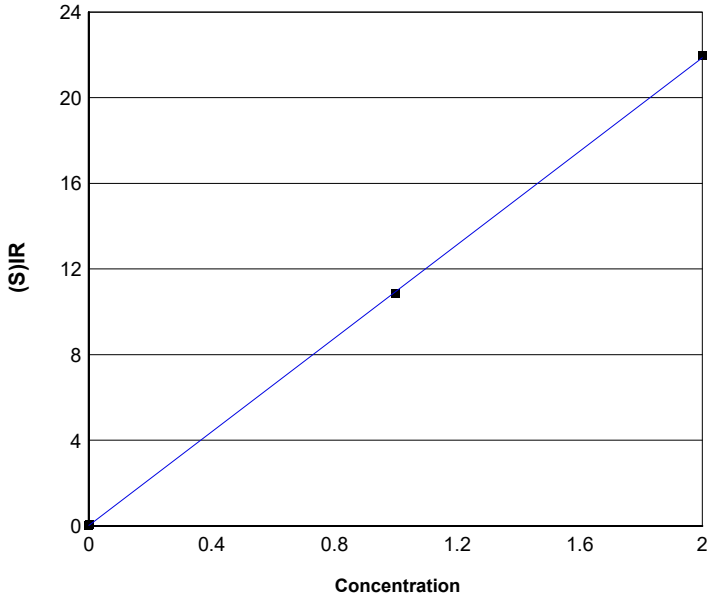
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000016338	0.0000016338	0.00000	0.000081640	0.00021671	1
IC-6882776	0.015000	0.013447	-0.0015532	-10.355	0.0022326	0.00019807	1
IC-6882719	1.0000	0.98770	-0.012296	-1.2296	0.15771	0.00017265	1
IC-3879869	2.0000	2.0139	0.013853	0.69264	0.32150	0.000015157	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0028910
A1 (Gain):	0.72035
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

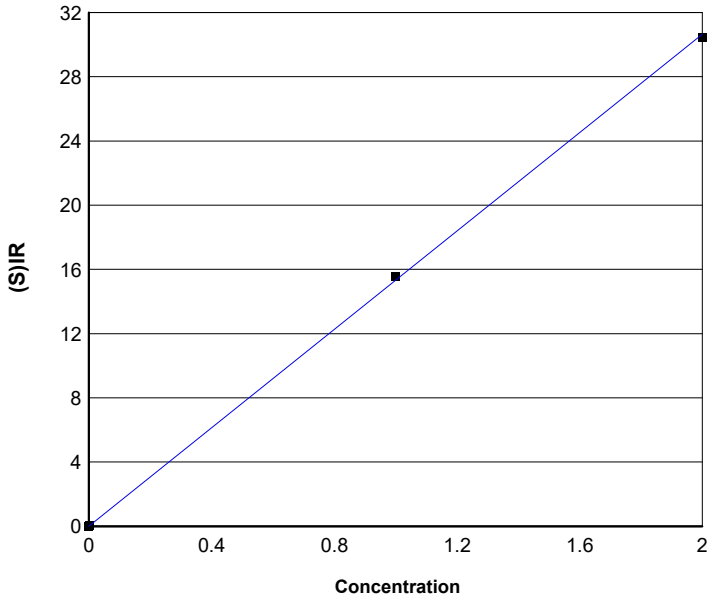
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000006395	-0.0000006395	0.00000	0.0028905	0.00022006	1
IC-6882776	0.020000	0.020721	0.00072089	3.6044	0.018000	0.00010931	1
IC-6882719	1.0000	0.99258	-0.0074238	-0.74238	0.73621	0.00014471	1
IC-3879869	2.0000	2.0067	0.0067119	0.33559	1.4851	0.000034316	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.022342
A1 (Gain):	10.926
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

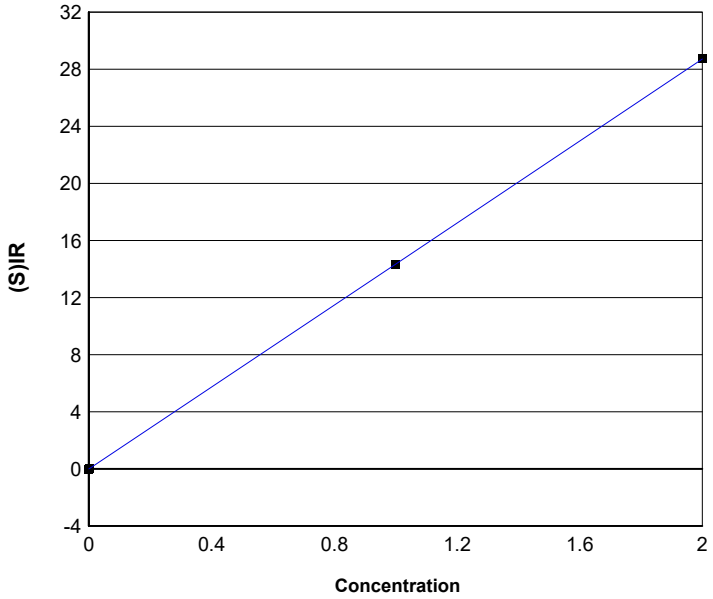
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000698	0.0000000698	0.00000	0.022343	0.0022714	1
IC-6882776	0.0020000	0.0019373	-0.000062750	-3.1375	0.043510	0.0026453	1
IC-6882719	1.0000	0.99289	-0.0071122	-0.71122	10.871	0.065748	1
IC-3879869	2.0000	2.0072	0.0071749	0.35875	21.953	0.045311	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.0066703
A1 (Gain):	15.323
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

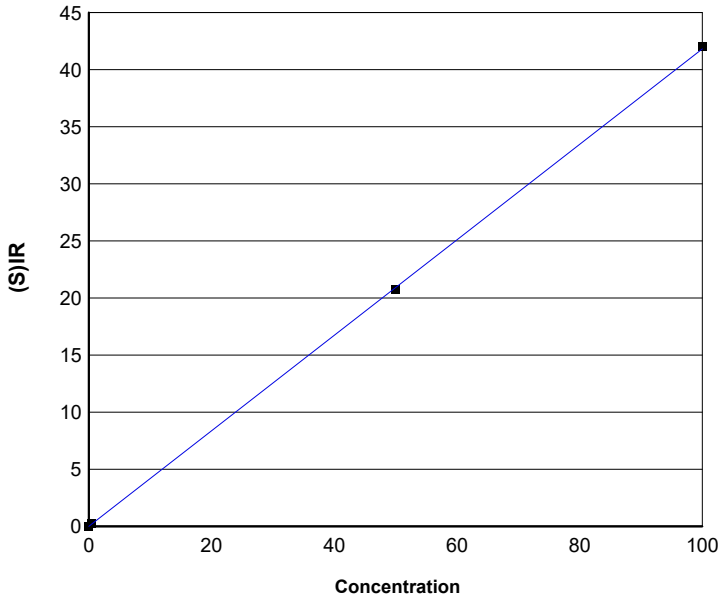
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000357	0.0000000357	0.00000	0.0066708	0.00032939	1
IC-6882776	0.0020000	0.0019505	-0.000049506	-2.4753	0.036558	0.00012428	1
IC-6882719	1.0000	1.0138	0.013754	1.3754	15.540	0.025021	1
IC-3879869	2.0000	1.9863	-0.013705	-0.68523	30.443	0.041098	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.0085627
A1 (Gain):	14.355
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

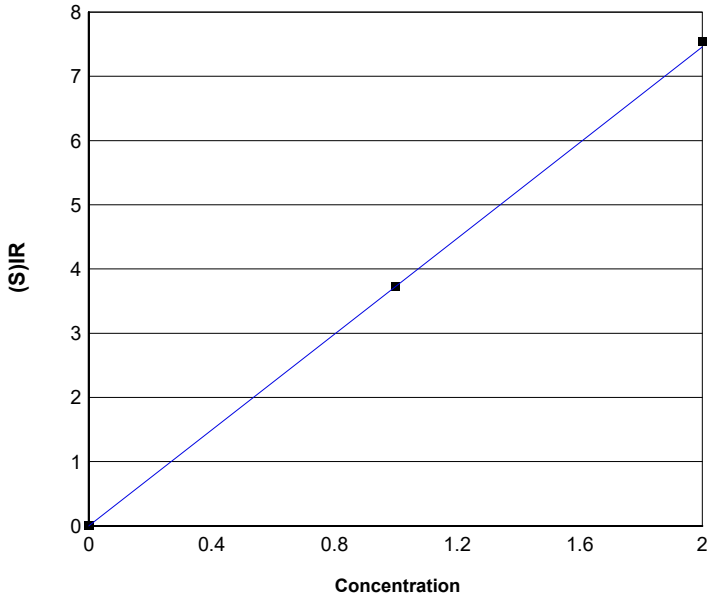
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001083	-0.0000001083	0.00000	-0.0085643	0.00087547	1
IC-6882776	0.0020000	0.0021110	0.00011105	5.5523	0.021742	0.0011463	1
IC-6882719	1.0000	0.99733	-0.0026711	-0.26711	14.308	0.067093	1
IC-3879869	2.0000	2.0026	0.0025600	0.12800	28.739	0.016236	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0097908
A1 (Gain):	0.41808
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

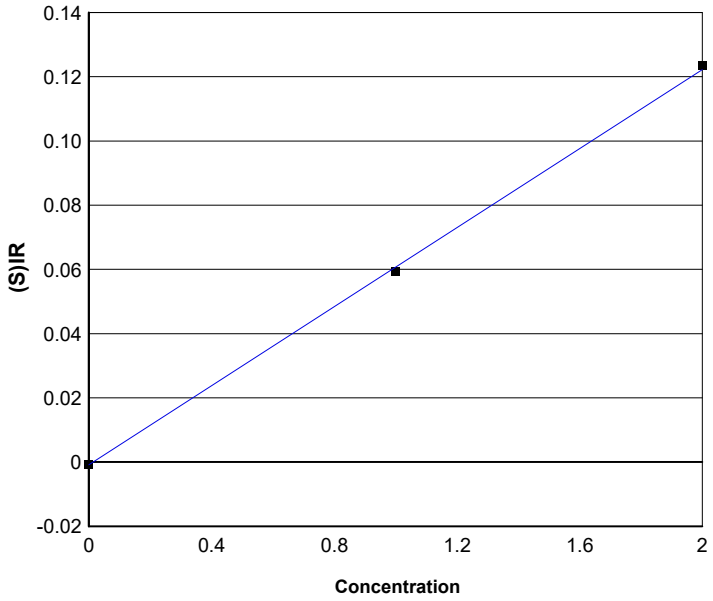
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	-0.000014153	-0.000014153	0.00000	0.0097849	0.0015548	1
IC-6882776	0.50000	0.51650	0.016498	3.2996	0.22573	0.0013276	1
IC-6882719	50.000	49.547	-0.45259	-0.90517	20.724	0.13470	1
IC-3879869	100.00	100.44	0.43609	0.43609	42.000	0.018748	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00065607
A1 (Gain):	3.7291
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

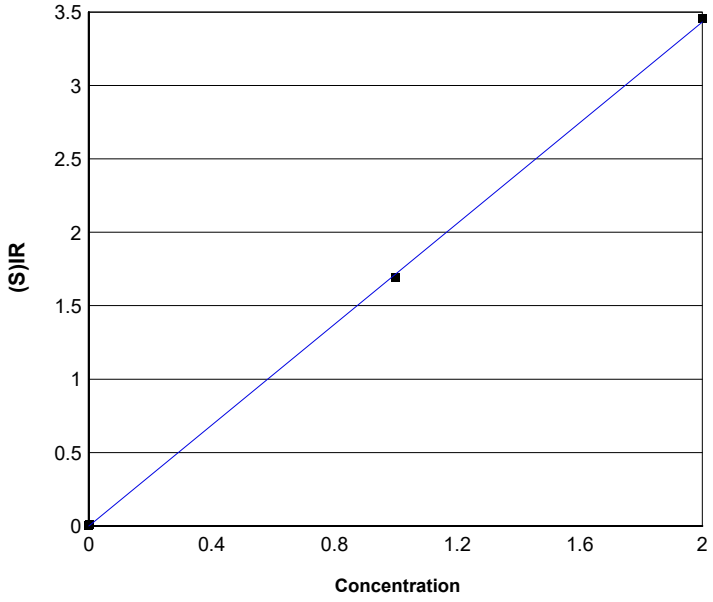
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001540	0.0000001540	0.00000	0.00065664	0.0000028804	1
IC-6882776	0.0020000	0.0018534	-0.00014661	-7.3304	0.0079661	0.0000077911	1
IC-6882719	1.0000	0.99247	-0.0075292	-0.75292	3.7271	0.0011609	1
IC-3879869	2.0000	2.0077	0.0076826	0.38413	7.5384	0.0022913	1



Element Name:	Ce
Element Wavelength:	Ce 404.076 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.9999
A0 (Offset):	-0.0008420
A1 (Gain):	0.06154
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		**QC Normalize**	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

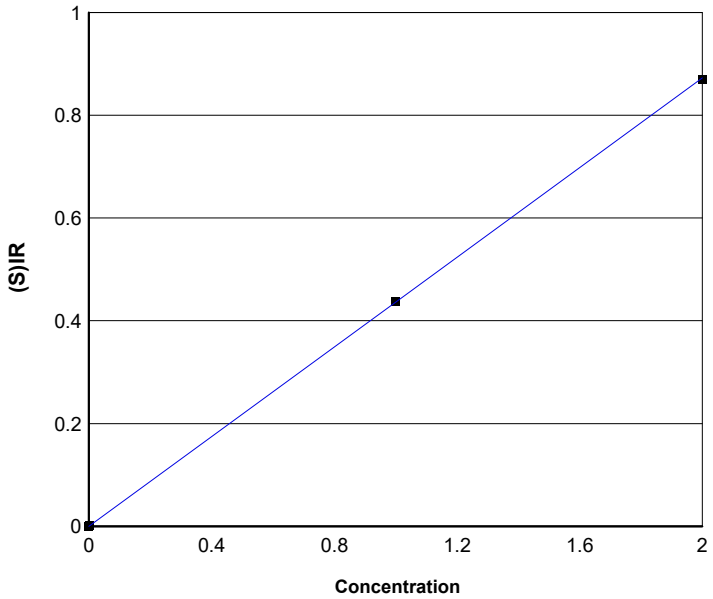
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.0000	0.00001048	0.00001048	0.0000	-0.0008413	0.002359	1
IC-3879869	2.000	2.021	0.02096	1.048	0.1235	0.001046	1
IC-6882719	1.000	0.9790	-0.02096	-2.096	0.05940	0.001045	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00030710
A1 (Gain):	1.7159
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

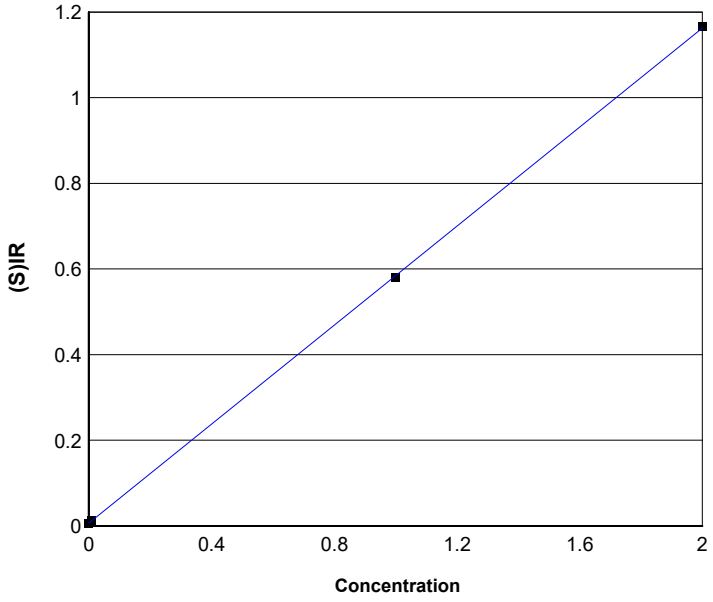
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000002973	0.0000002973	0.00000	0.00030761	0.000080556	1
IC-6882776	0.0040000	0.0037289	-0.00027110	-6.7775	0.0067027	0.00025557	1
IC-6882719	1.0000	0.98660	-0.013396	-1.3396	1.6944	0.00031767	1
IC-3879869	2.0000	2.0137	0.013667	0.68335	3.4579	0.00098682	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00012767
A1 (Gain):	0.43614
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

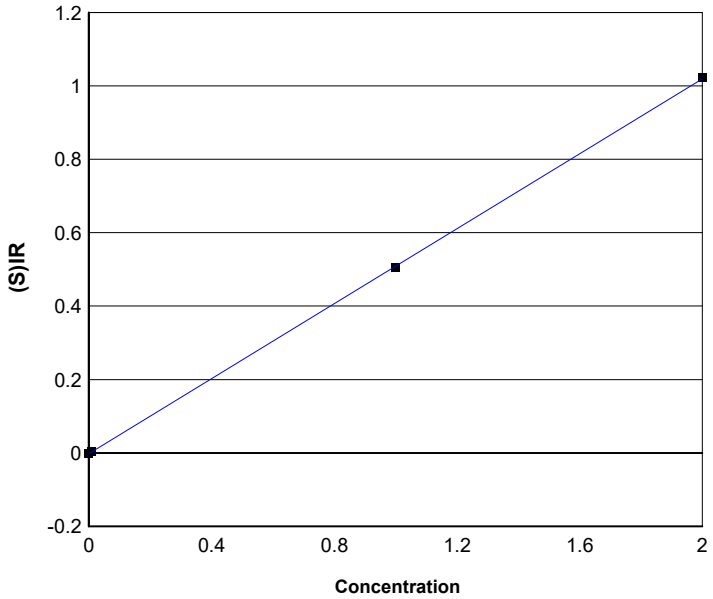
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000120	0.0000000120	0.00000	0.00012767	0.000040543	1
IC-6882776	0.0040000	0.0039806	-0.000019411	-0.48528	0.0018640	0.00019826	1
IC-6882719	1.0000	1.0037	0.0036703	0.36703	0.43785	0.00076402	1
IC-3879869	2.0000	1.9963	-0.0036509	-0.18254	0.87077	0.00024850	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0064584
A1 (Gain):	0.57795
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

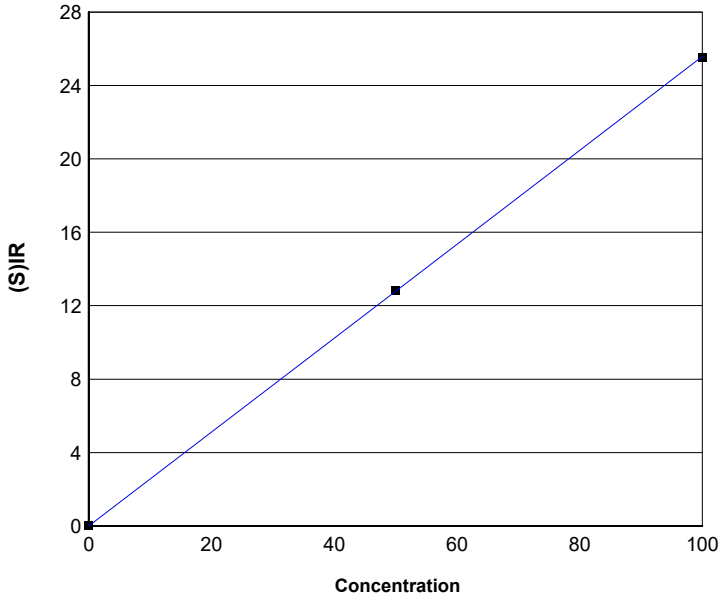
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001125	-0.0000001125	0.00000	0.0064584	0.00013963	1
IC-6882776	0.010000	0.010159	0.00015946	1.5946	0.012330	0.00071093	1
IC-6882719	1.0000	0.99076	-0.0092408	-0.92408	0.57906	0.00025488	1
IC-3879869	2.0000	2.0091	0.0090813	0.45406	1.1676	0.0020864	1



Element Name:	Cu
Element Wavelength:	Cu 327.396 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0014884
A1 (Gain):	0.51042
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

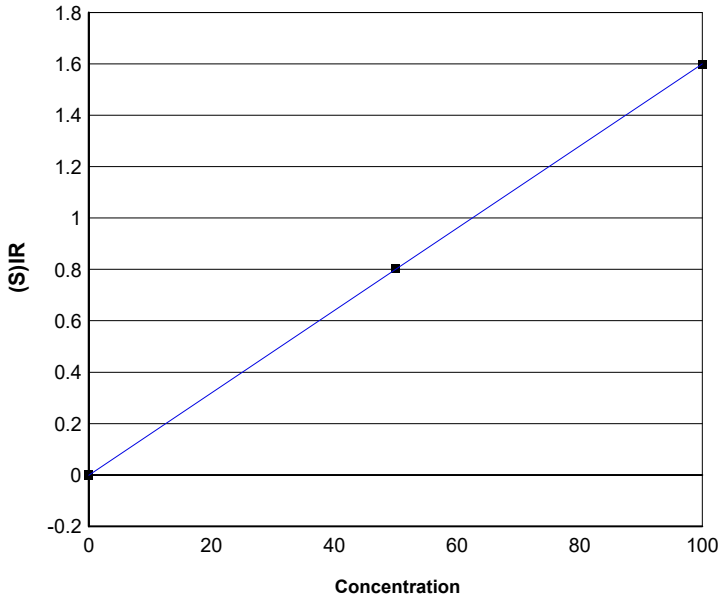
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000986	0.0000000986	0.00000	-0.0014883	0.000075827	1
IC-6882776	0.010000	0.0099366	-0.000063430	-0.63430	0.0035867	0.00030857	1
IC-6882719	1.0000	0.99290	-0.0071047	-0.71047	0.50534	0.00095790	1
IC-3879869	2.0000	2.0072	0.0071682	0.35841	1.0231	0.0016252	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0018080
A1 (Gain):	0.25575
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

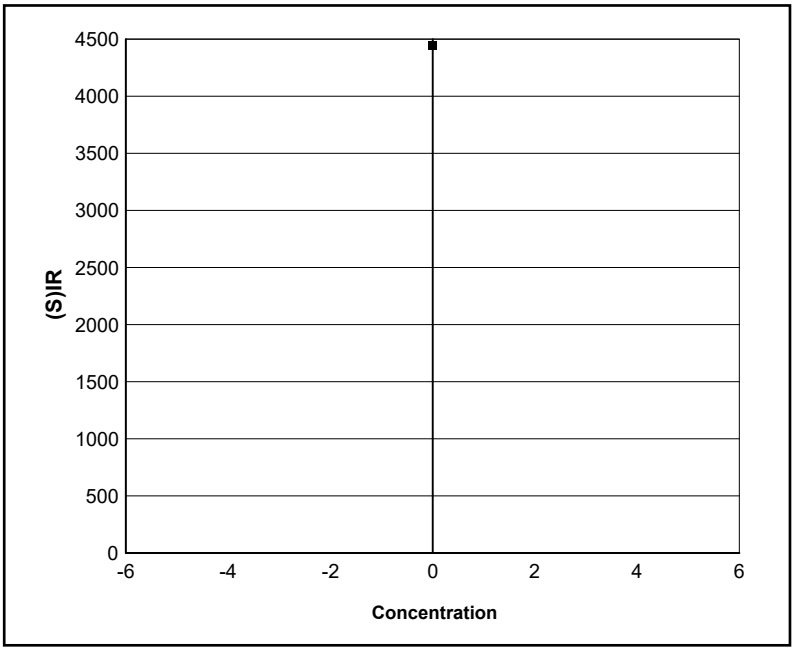
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000011151	-0.0000011151	0.00000	0.0018077	0.00023399	1
IC-6882776	0.050000	0.051033	0.0010334	2.0668	0.014860	0.00087267	1
IC-6882719	50.025	50.190	0.16465	0.32914	12.838	0.10937	1
IC-3879869	100.00	99.834	-0.16569	-0.16569	25.534	0.019814	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00094867
A1 (Gain):	0.016015
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

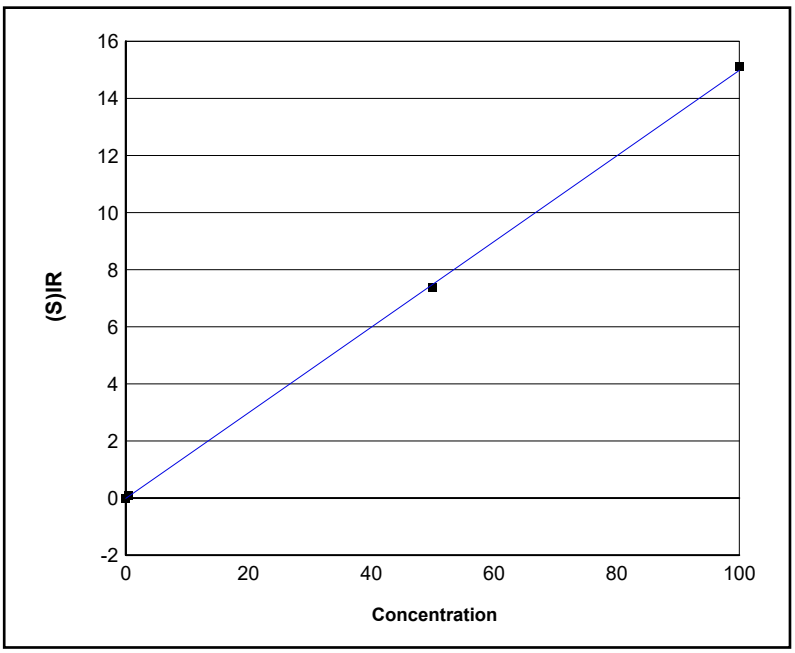
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000024463	-0.0000024463	0.00000	-0.00094871	0.00097932	1
IC-6882776	0.050000	0.052388	0.0023883	4.7766	-0.00010966	0.0010347	1
IC-6882719	50.025	50.143	0.11843	0.23674	0.80211	0.0087077	1
IC-3879869	100.00	99.879	-0.12082	-0.12082	1.5986	0.0030449	1



Element Name:	In
Element Wavelength:	In 230.606 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 10:59:30AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		**QC Normalize**	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

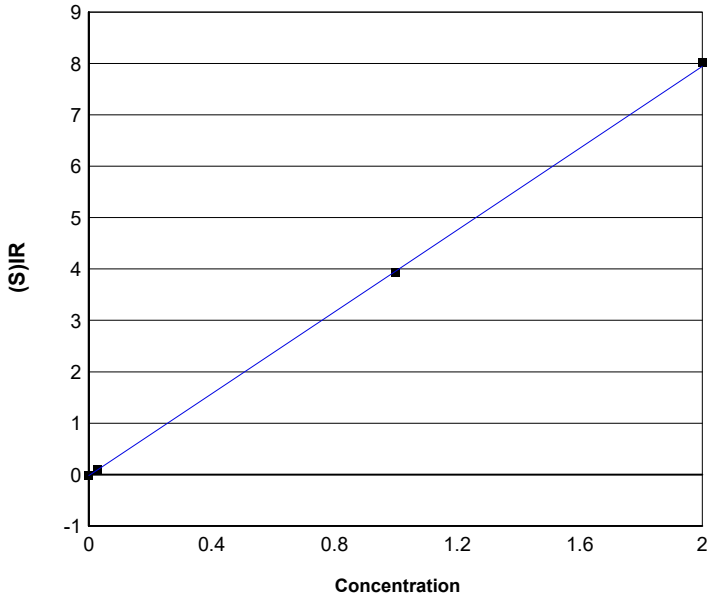
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.0000			0.0000	4,440	0.6785	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	-0.0093700
A1 (Gain):	0.14995
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

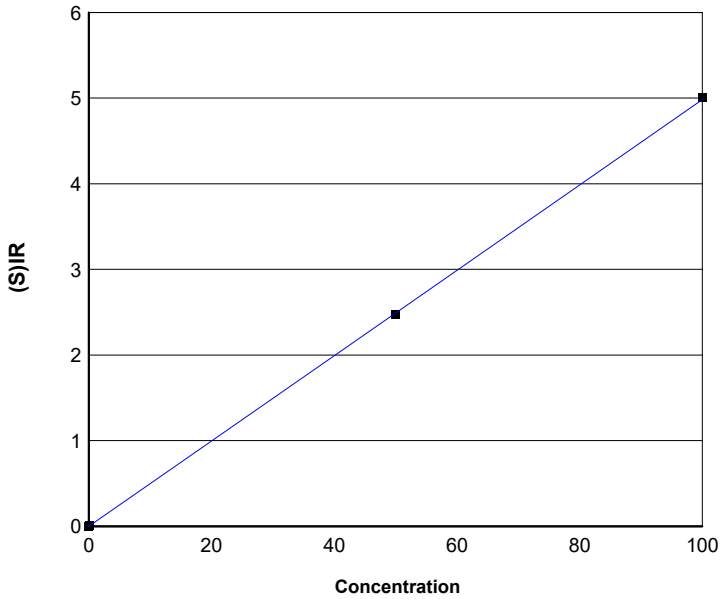
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000005406	-0.0000005406	0.00000	-0.0093700	0.00061077	1
IC-6882776	0.50000	0.50450	0.0045025	0.90050	0.066278	0.0021522	1
IC-6882719	50.000	49.212	-0.78788	-1.5758	7.3698	0.039314	1
IC-3879869	100.00	100.78	0.78338	0.78338	15.103	0.016988	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	-0.022367
A1 (Gain):	3.9840
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

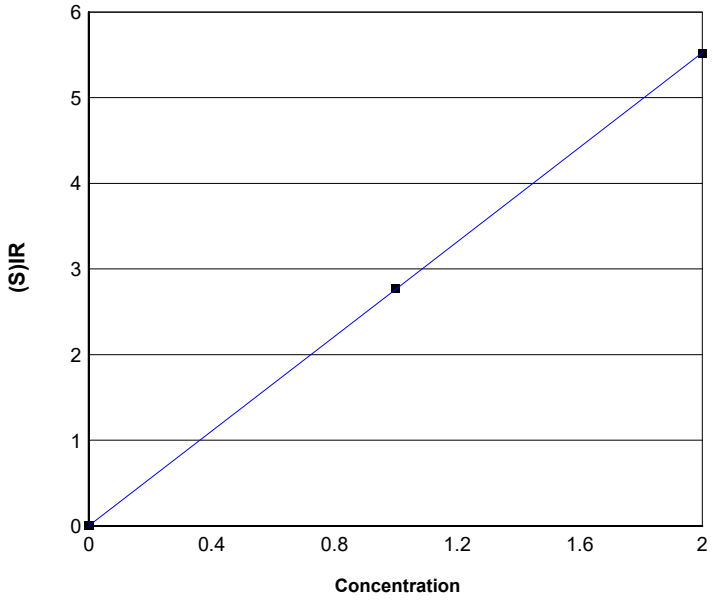
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000026462	0.0000026462	0.00000	-0.022356	0.0010223	1
IC-6882776	0.030000	0.027496	-0.0025037	-8.3457	0.087301	0.0017176	1
IC-6882719	1.0000	0.98801	-0.011995	-1.1995	3.9261	0.014143	1
IC-3879869	2.0000	2.0145	0.014493	0.72467	8.0278	0.0098693	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00016346
A1 (Gain):	0.049824
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

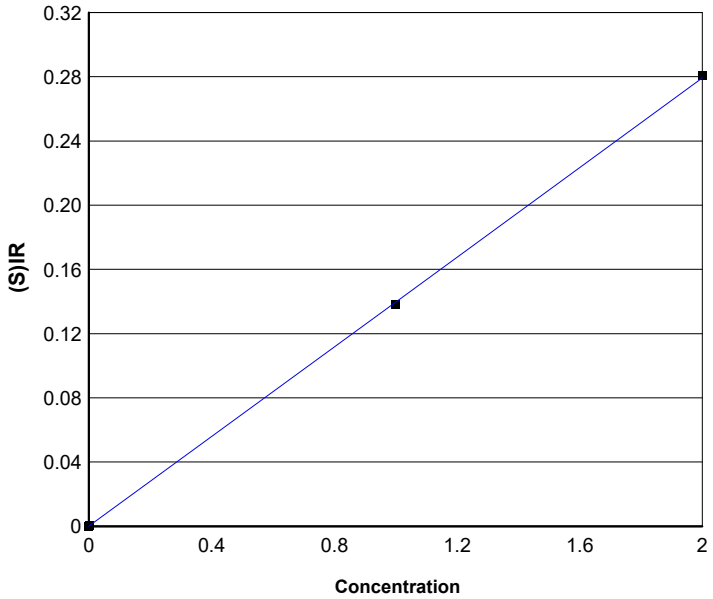
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000072922	0.0000072922	0.00000	0.00016383	0.000046985	1
IC-6882776	0.20000	0.19356	-0.0064361	-3.2180	0.0098071	0.000069961	1
IC-6882719	50.000	49.565	-0.43451	-0.86902	2.4696	0.0025835	1
IC-3879869	100.00	100.44	0.44094	0.44094	5.0042	0.011057	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0010459
A1 (Gain):	2.7623
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

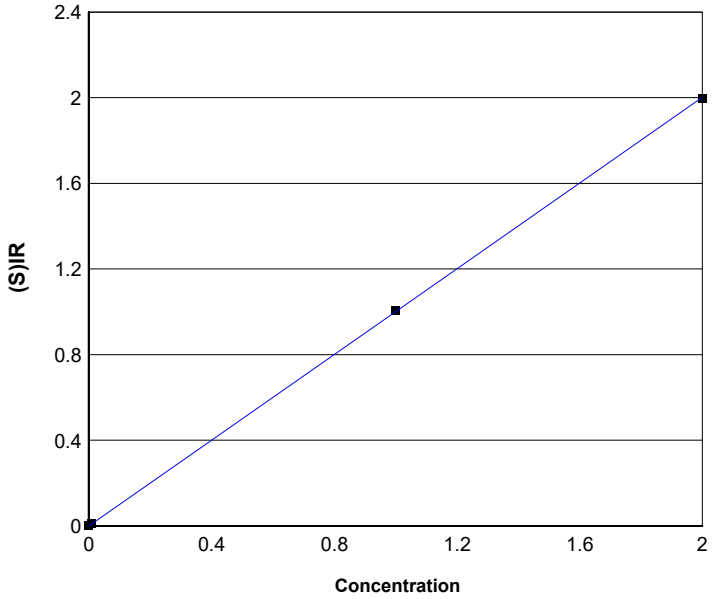
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000895	-0.0000000895	0.00000	0.0010457	0.000088676	1
IC-6882776	0.0030000	0.0030843	0.000084307	2.8102	0.0095685	0.000027845	1
IC-6882719	1.0000	1.0035	0.0035416	0.35416	2.7740	0.0052083	1
IC-3879869	2.0000	1.9964	-0.0036259	-0.18130	5.5173	0.012792	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.000060084
A1 (Gain):	0.13964
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

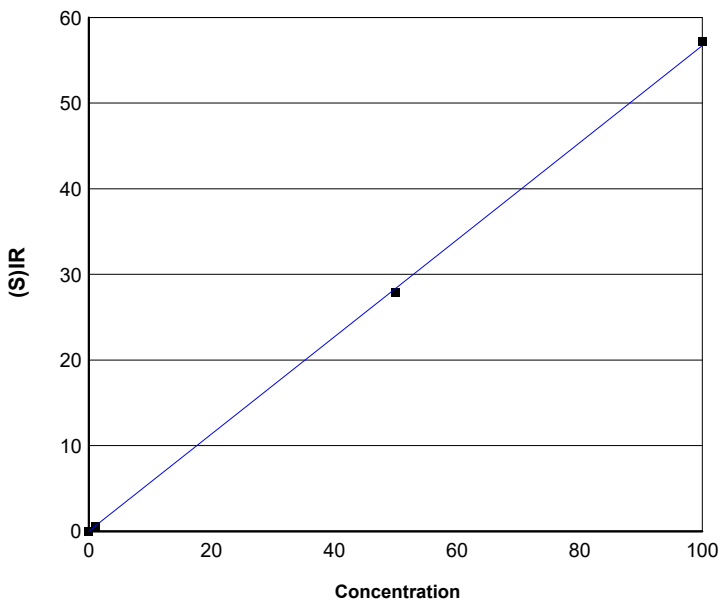
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001349	-0.0000001349	0.00000	0.000060065	0.000055049	1
IC-6882776	0.0030000	0.0031515	0.00015145	5.0485	0.00050030	0.000037510	1
IC-6882719	1.0000	0.98908	-0.010916	-1.0916	0.13822	0.0013314	1
IC-3879869	2.0000	2.0108	0.010764	0.53821	0.28093	0.00021479	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00024677
A1 (Gain):	1.0006
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

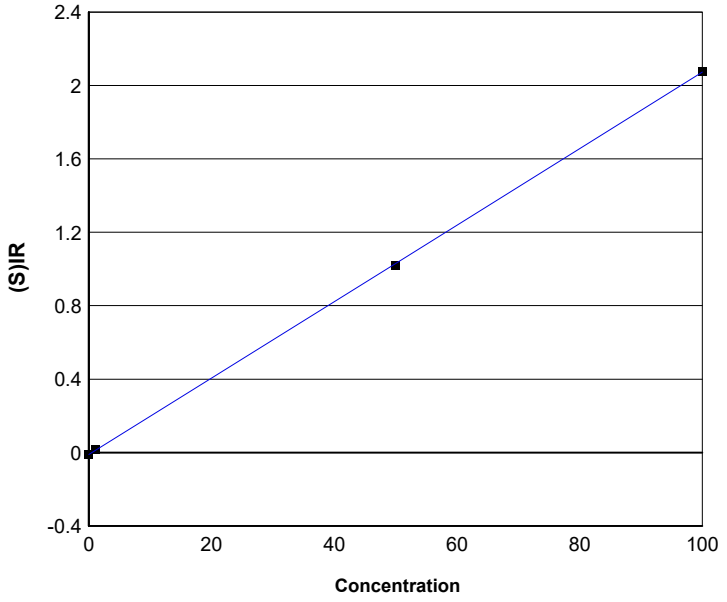
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000662	-0.0000000662	0.00000	0.00024671	0.000051051	1
IC-6882776	0.010000	0.010035	0.000035175	0.35175	0.010288	0.000055699	1
IC-6882719	1.0000	1.0062	0.0062304	0.62304	1.0071	0.00031454	1
IC-3879869	2.0000	1.9937	-0.0062656	-0.31328	1.9952	0.00018843	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.0072787
A1 (Gain):	0.56725
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

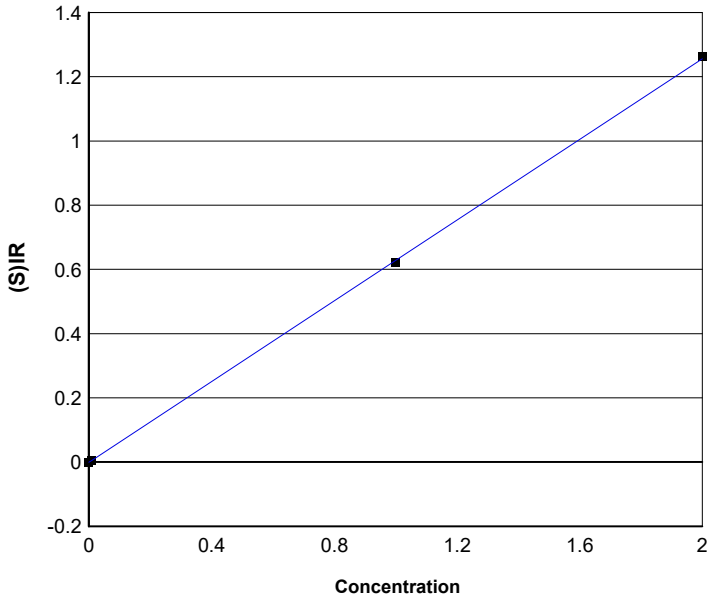
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.000038828	0.000038828	0.00000	0.0073008	0.00091980	1
IC-6882776	1.0000	0.96909	-0.030906	-3.0906	0.55699	0.0080276	1
IC-6882719	50.000	49.177	-0.82310	-1.6462	27.903	0.14045	1
IC-3879869	100.00	100.85	0.85401	0.85401	57.216	0.068267	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99955
A0 (Offset):	-0.011426
A1 (Gain):	0.020846
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

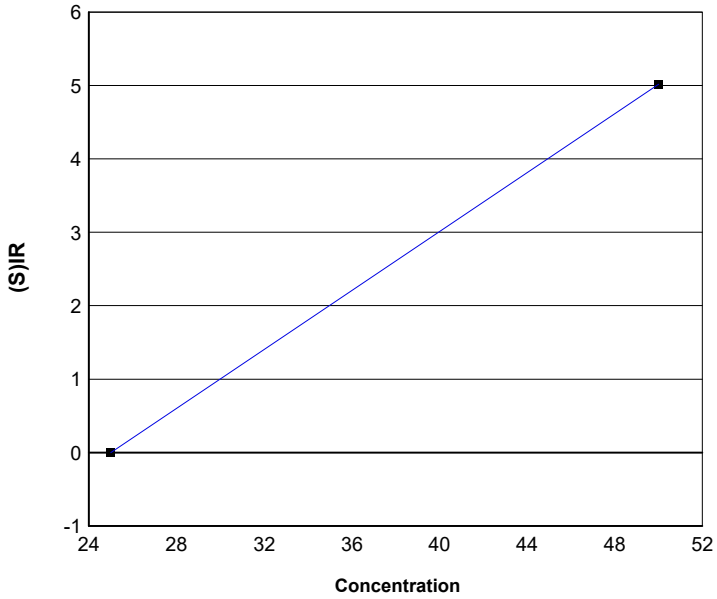
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	-0.00035480	-0.00035480	0.00000	-0.011433	0.0026861	1
IC-6882776	1.0000	1.3634	0.36340	36.340	0.016996	0.00076374	1
IC-6882719	50.000	49.504	-0.49602	-0.99204	1.0206	0.00027217	1
IC-3879869	100.00	100.13	0.13262	0.13262	2.0760	0.0058725	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00064022
A1 (Gain):	0.62838
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

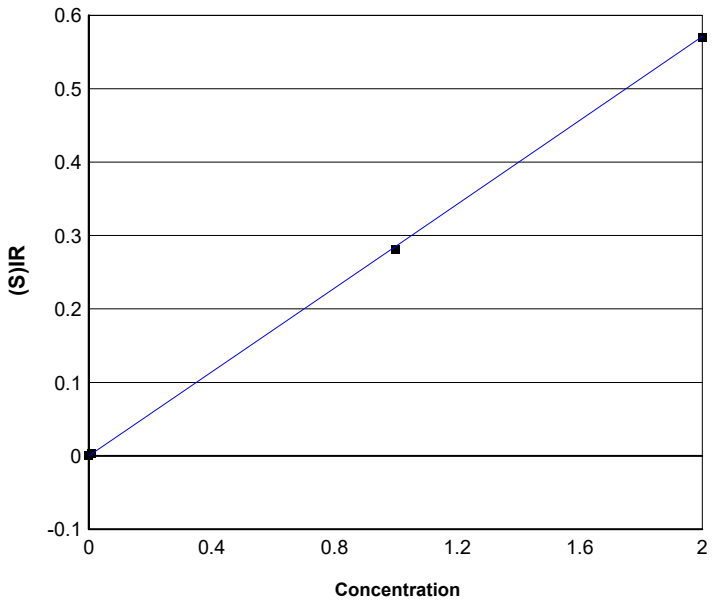
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000001111	0.0000001111	0.00000	-0.00064015	0.0000092580	1
IC-6882776	0.010000	0.0099349	-0.000065110	-0.65110	0.0056033	0.000068359	1
IC-6882719	1.0000	0.99074	-0.0092614	-0.92614	0.62255	0.00045196	1
IC-3879869	2.0000	2.0093	0.0093265	0.46632	1.2632	0.00061966	1



Element Name:	P
Element Wavelength:	P 213.618 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.000
A0 (Offset):	-5.022
A1 (Gain):	0.2008
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

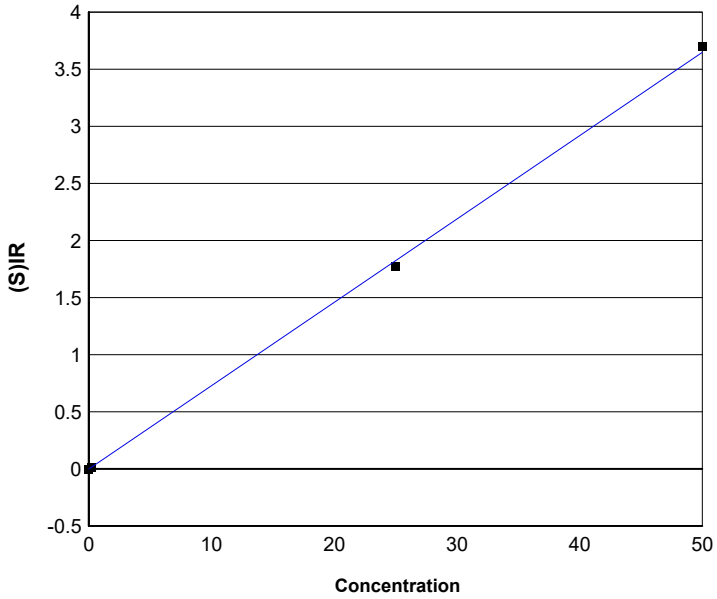
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC-6882776	25.00	25.00	0.0000000000	0.0000000000	-0.002229	0.0002897	1
IC-3879869	50.00	50.00	0.0000000000	0.0000000000	5.017	0.003077	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00011597
A1 (Gain):	0.28567
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

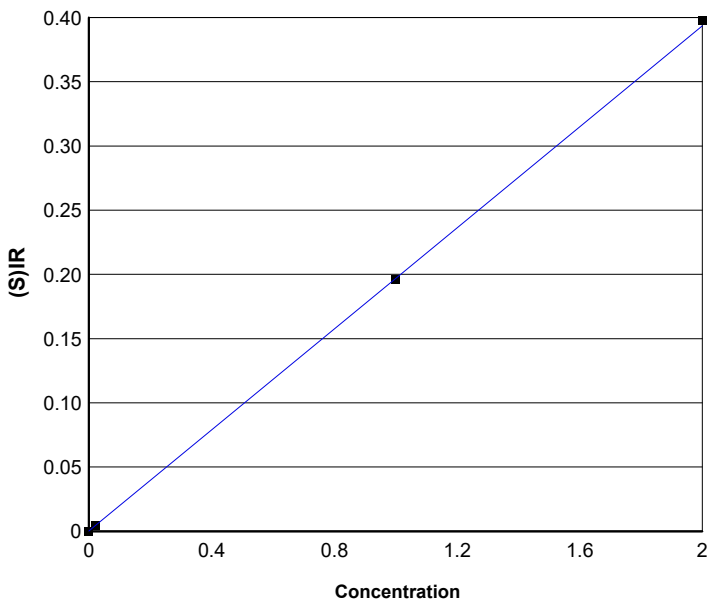
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000004723	-0.0000004723	0.00000	-0.00011611	0.00040056	1
IC-6882776	0.010000	0.010520	0.00051963	5.1963	0.0028817	0.00016639	1
IC-6882719	1.0000	0.99105	-0.0089465	-0.89465	0.28121	0.00076873	1
IC-3879869	2.0000	2.0084	0.0084250	0.42125	0.57005	0.0025608	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99980
A0 (Offset):	-0.0010861
A1 (Gain):	0.072952
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

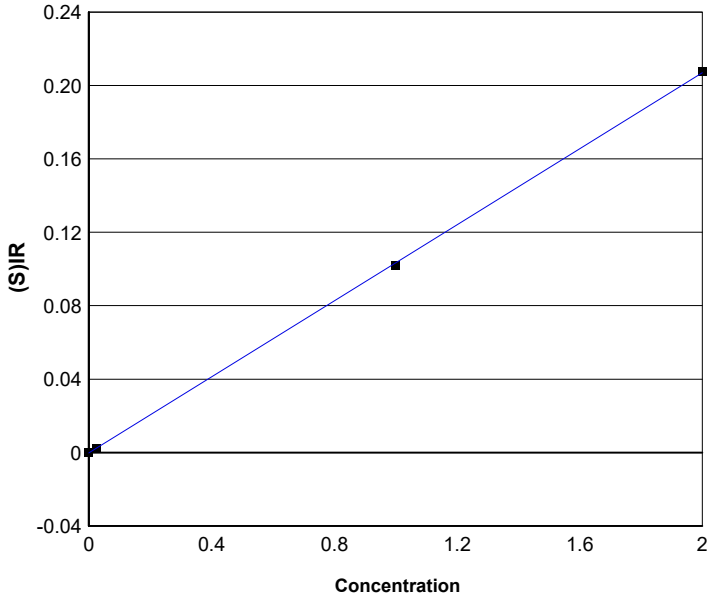
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.000020921	0.000020921	0.00000	-0.0010846	0.000024780	1
IC-6882776	0.20000	0.18176	-0.018244	-9.1221	0.012173	0.000056542	1
IC-6882719	25.000	24.313	-0.68745	-2.7498	1.7726	0.0019157	1
IC-3879869	50.000	50.706	0.70569	1.4114	3.6980	0.0092115	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00017642
A1 (Gain):	0.19664
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

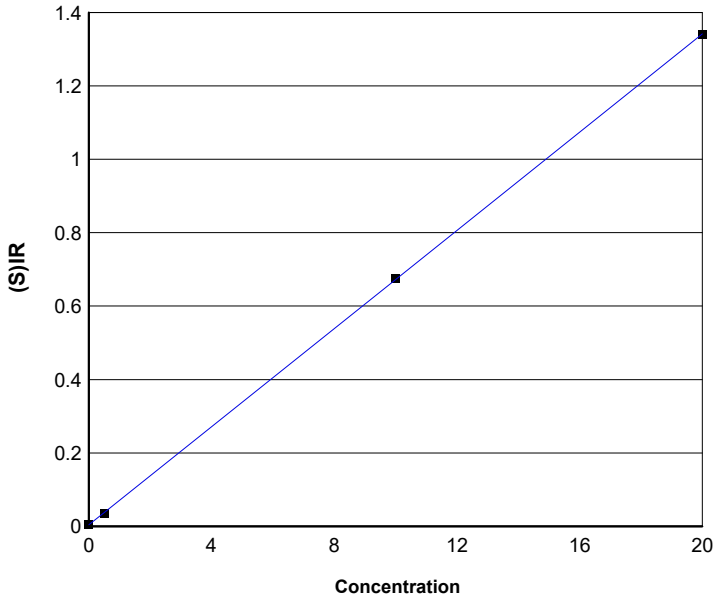
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000004607	-0.0000004607	0.00000	0.00017633	0.000063431	1
IC-6882776	0.020000	0.020577	0.00057679	2.8839	0.0042326	0.00013201	1
IC-6882719	1.0000	0.98897	-0.011035	-1.1035	0.19568	0.00069474	1
IC-3879869	2.0000	2.0105	0.010460	0.52298	0.39759	0.00084314	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	-0.00015476
A1 (Gain):	0.10351
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

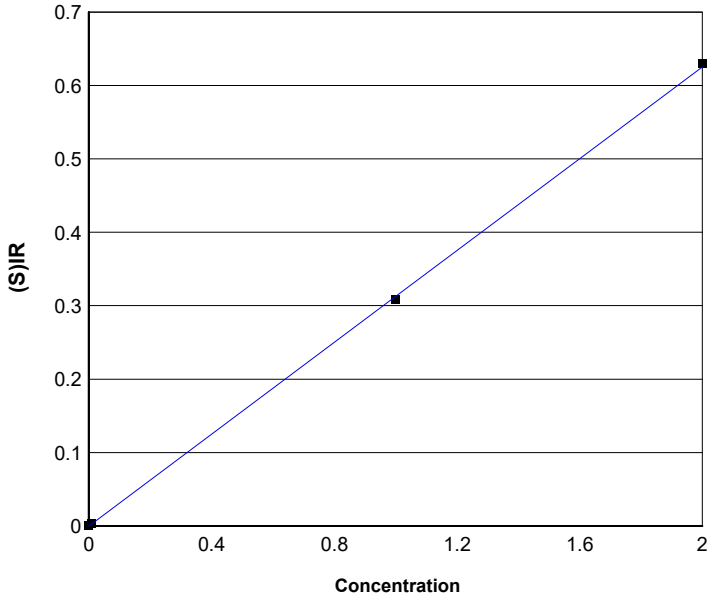
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000026869	0.0000026869	0.00000	-0.00015448	0.00016966	1
IC-6882776	0.025000	0.022416	-0.0025837	-10.335	0.0021653	0.000065030	1
IC-6882719	1.0000	0.98915	-0.010848	-1.0848	0.10183	0.00016502	1
IC-3879869	2.0000	2.0134	0.013441	0.67207	0.20745	0.0010493	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0037972
A1 (Gain):	0.066883
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

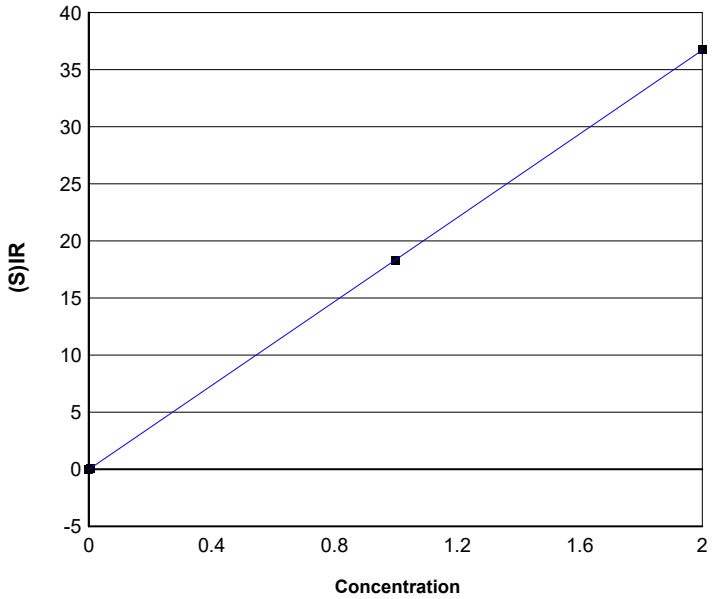
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.000022594	0.000022594	0.00000	0.0037987	0.00016959	1
IC-6882776	0.50000	0.47563	-0.024367	-4.8735	0.035609	0.00044327	1
IC-6882719	10.000	10.047	0.046555	0.46555	0.67574	0.0041033	1
IC-3879869	20.000	19.978	-0.022188	-0.11094	1.3400	0.0054022	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	0.0000013426
A1 (Gain):	0.31263
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

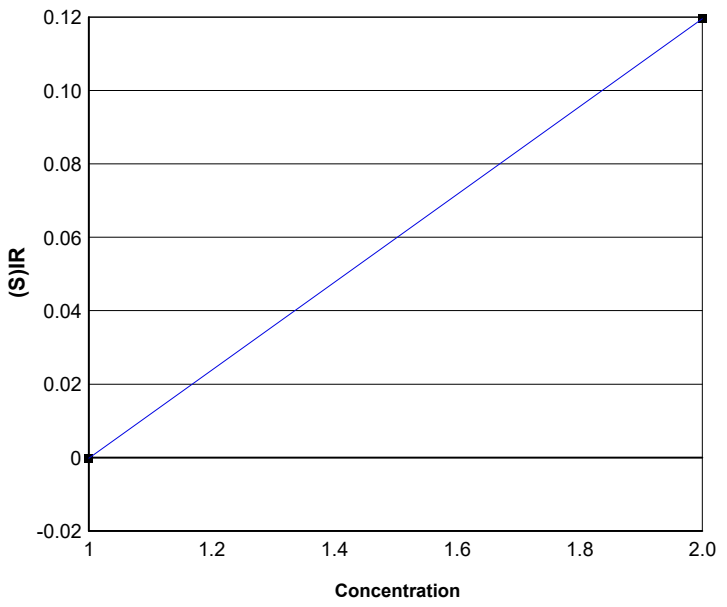
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000006961	0.0000006961	0.00000	0.0000015602	0.000036556	1
IC-6882776	0.010000	0.0093721	-0.00062793	-6.2793	0.0029313	0.00010991	1
IC-6882719	1.0000	0.98574	-0.014264	-1.4264	0.30817	0.000018952	1
IC-3879869	2.0000	2.0149	0.014892	0.74458	0.62991	0.00048215	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0027407
A1 (Gain):	18.352
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

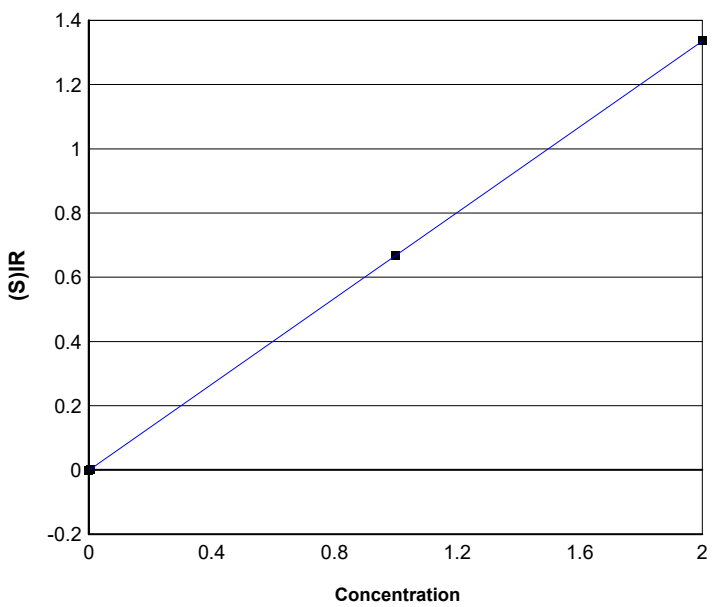
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000000781	-0.0000000781	0.00000	-0.0027421	0.000077533	1
IC-6882776	0.0050000	0.0050900	0.000089994	1.7999	0.090673	0.00039414	1
IC-6882719	1.0000	0.99535	-0.0046491	-0.46491	18.264	0.092818	1
IC-3879869	2.0000	2.0046	0.0045591	0.22796	36.786	0.076580	1



Element Name:	Th
Element Wavelength:	Th 283.730 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.000
A0 (Offset):	-0.1199
A1 (Gain):	0.1198
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

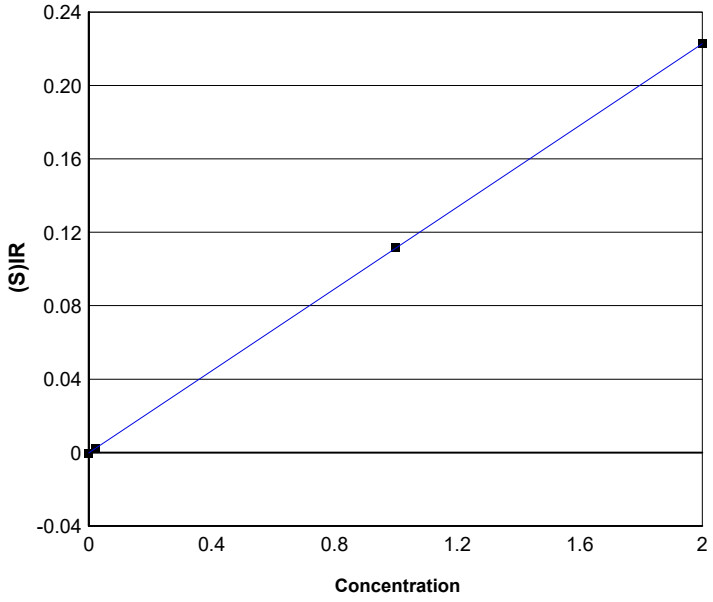
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC-6882776	1.000	1.0000	0.0000000000	0.0000000000	-0.0001903	0.001445	1
IC-3879869	2.000	2.000	0.0000000000	0.0000000000	0.1196	0.0003475	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00048461
A1 (Gain):	0.66791
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

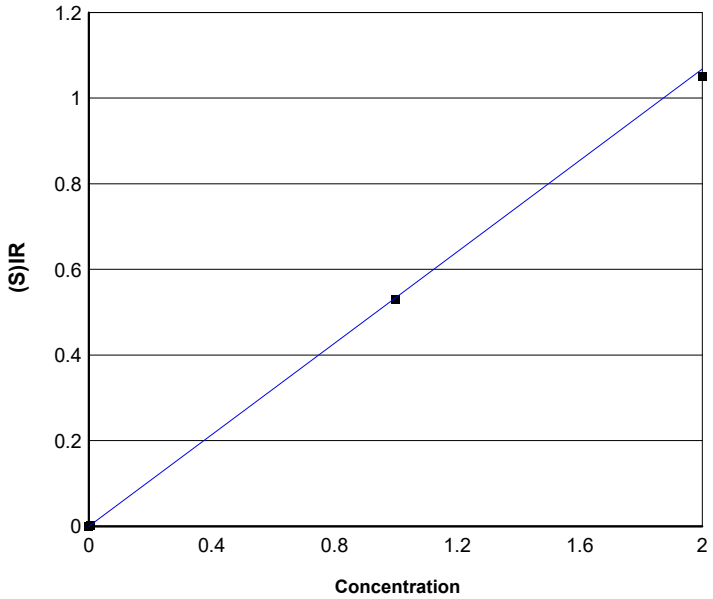
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000004954	0.0000004954	0.00000	-0.00048428	0.00024270	1
IC-6882776	0.0050000	0.0045077	-0.00049232	-9.8465	0.0025308	0.00035878	1
IC-6882719	1.0000	0.99828	-0.0017200	-0.17200	0.66675	0.00013133	1
IC-3879869	2.0000	2.0022	0.0022127	0.11064	1.3378	0.0028008	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00025771
A1 (Gain):	0.11155
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

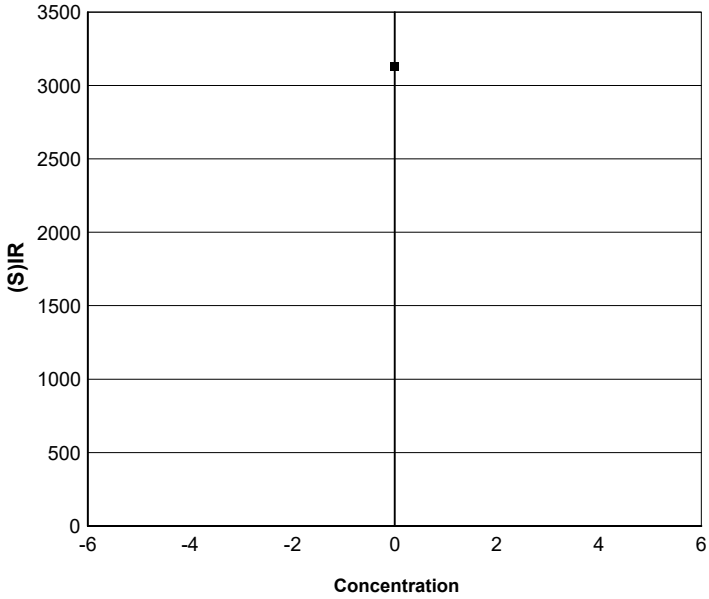
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000005410	-0.0000005410	0.00000	-0.00025777	0.000095578	1
IC-6882776	0.020000	0.020532	0.00053231	2.6616	0.0020333	0.000033009	1
IC-6882719	1.0000	1.0014	0.0013993	0.13993	0.11160	0.000028080	1
IC-3879869	2.0000	1.9981	-0.0019310	-0.096551	0.22294	0.00030646	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00014208
A1 (Gain):	0.53396
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

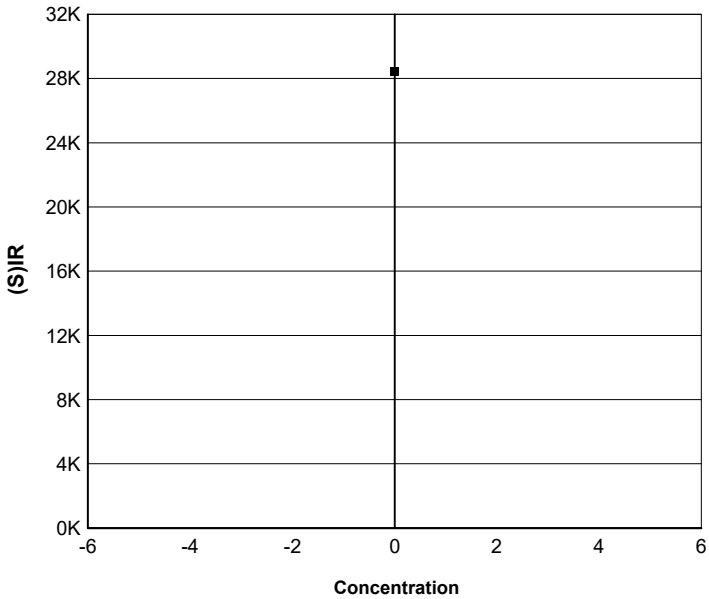
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000004279	0.0000004279	0.00000	0.00014231	0.00012913	1
IC-6882776	0.0050000	0.0045600	-0.00044004	-8.8008	0.0024991	0.00021657	1
IC-6882719	1.0000	1.0044	0.0044304	0.44304	0.52904	0.00081212	1
IC-3879869	2.0000	1.9960	-0.0039971	-0.19986	1.0511	0.0036280	1



Element Name:	Y
Element Wavelength:	Y 224.306 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 10:59:30AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

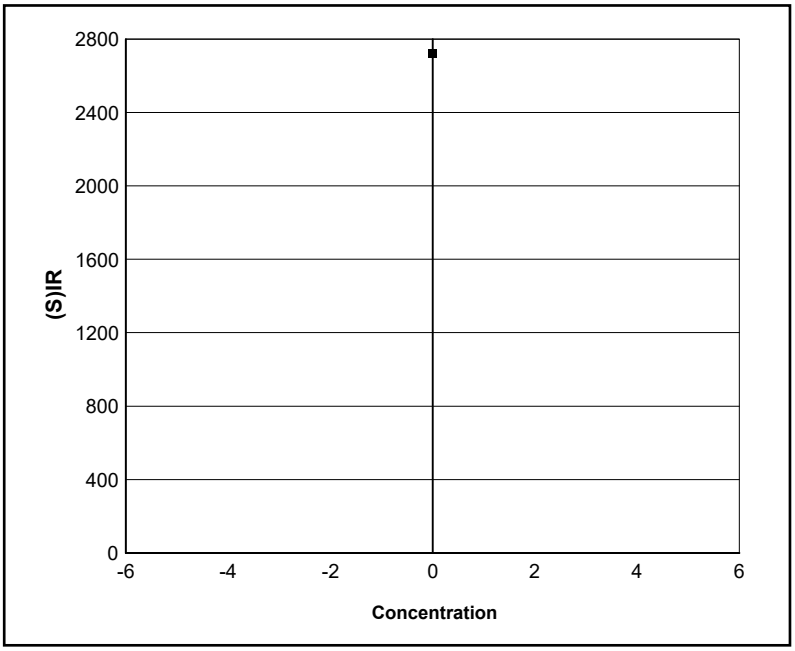
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.0000			0.0000	3,131	2.875	1



Element Name:	Y
Element Wavelength:	Y 360.073 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 10:59:30AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

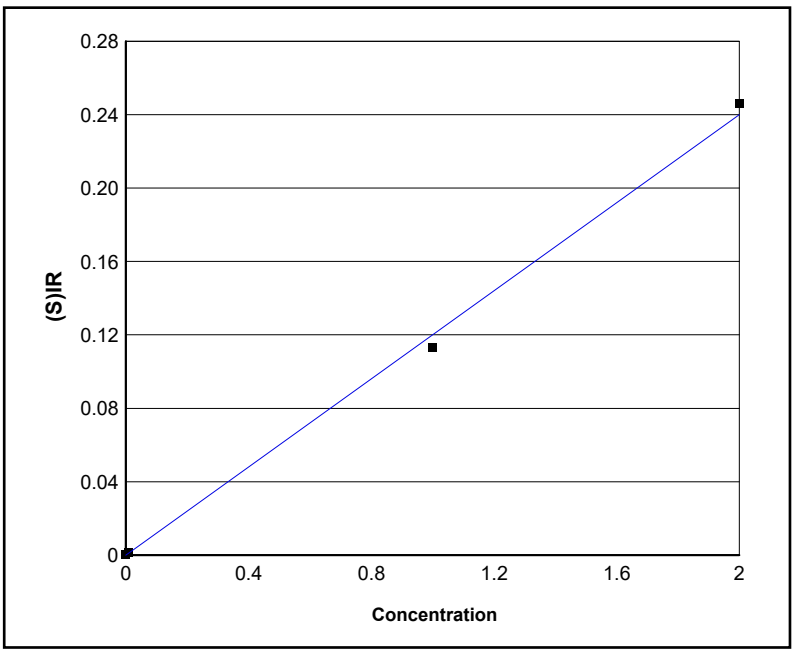
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.0000			0.0000	28,420	49.86	1



Element Name:	Y
Element Wavelength:	Y 377.433 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 10:59:30AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

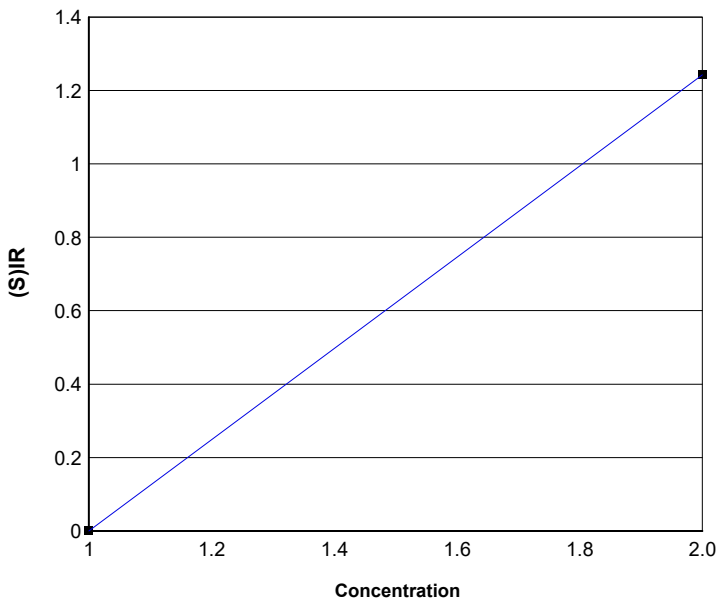
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.0000			0.0000	2,722	14.47	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	0.99927
A0 (Offset):	0.000055439
A1 (Gain):	0.11995
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6880245	0.00000	0.0000003380	0.0000003380	0.00000	0.000055480	0.000037861	1
IC-6882776	0.010000	0.0099320	-0.000068036	-0.68036	0.0012462	0.0000095878	1
IC-6882719	1.0000	0.94595	-0.054053	-5.4053	0.11338	0.00032555	1
IC-3879869	2.0000	2.0541	0.054121	2.7061	0.24616	0.000075183	1



Element Name:	Zr
Element Wavelength:	Zr 343.823 nm
Concentration Units:	ppm
Date of Calibration:	3/8/2022 11:10:23AM
Date of Fit:	3/8/2022 12:30:56PM
Type of Fit:	Linear
Correlation:	1.000
A0 (Offset):	-1.243
A1 (Gain):	1.243
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		**QC Normalize**	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC-6882776	1.000	1.0000	0.0000000000	0.0000000000	0.000005002	0.0001505	1
IC-3879869	2.000	2.000	0.0000000000	0.0000000000	1.243	0.001935	1

Sample Name: ICV-6880929 Acquired: 3/8/2022 11:10:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	W .70646	35.712	.73767	.73664	.73192
Stddev	.00048	.006	.00305	.00003	.00004
%RSD	.06740	.01710	.41376	.00394	.00510
#1	.70679	35.708	.73982	.73666	.73190
#2	.70612	35.717	.73551	.73662	.73195
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.75000				
Range	-5.0000%				

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.76438	37.132	.74265	-.0037	.71946
Stddev	.00120	.016	.00009	.0037	.00073
%RSD	.15714	.04352	.01168	99.46	.10181
#1	.76523	37.121	.74259	-.0064	.71895
#2	.76353	37.144	.74271	-.0011	.71998
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.75282	W .71198	36.893	W 35.346	.73136
Stddev	.00200	.00217	.077	.052	.00235
%RSD	.26602	.30481	.20861	.14837	.32107
#1	.75140	.71045	36.838	35.383	.72970
#2	.75423	.71351	36.947	35.309	.73302
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value		.75000		37.519	
Range		-5.0000%		-5.0000%	

Sample Name: ICV-6880929 Acquired: 3/8/2022 11:10:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	W 35.530	.74050	.75825	35.958	.74145
Stddev	.091	.00037	.00131	.024	.00028
%RSD	.25482	.04947	.17298	.06673	.03773
#1	35.594	.74076	.75917	35.974	.74125
#2	35.466	.74024	.75732	35.941	.74165
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	37.500				
Range	-5.0000%				

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.02	.73943	18.693	W .79680	.74244
Stddev	.00	.00065	.006	.00290	.00301
%RSD	.0081	.08786	.03148	.36370	.40477
#1	34.02	.73897	18.689	.79885	.74031
#2	34.01	.73988	18.697	.79475	.74456
Check ?	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value				.75000	
Range				5.0000%	

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.4163	.73143	.74314	1.036	.75573
Stddev	.0070	.00006	.00032	.002	.00055
%RSD	.09476	.00828	.04296	.1781	.07314
#1	7.4113	.73147	.74336	1.035	.75534
#2	7.4212	.73138	.74291	1.037	.75612
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: ICV-6880929 Acquired: 3/8/2022 11:10:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.73934	W .71206	W .70683	1.002
Stddev	.00090	.00178	.00131	.001
%RSD	.12213	.24966	.18543	.0695
#1	.73998	.71332	.70776	1.003
#2	.73870	.71080	.70590	1.002
Check ?	Chk Pass	Chk Warn	Chk Warn	None
Value		.75000	.75000	
Range		-5.0000%	-5.0000%	
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3985.1	3044.7	27088.	2705.4
Stddev	2.6	3.9	8.	8.1
%RSD	.06430	.12773	.02816	.29846
#1	3983.3	3042.0	27083.	2699.7
#2	3986.9	3047.5	27093.	2711.1

Sample Name: ICB-3880245 Acquired: 3/8/2022 11:14:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00210**	**-.00029**	**.00196**	**-.00009**
Stddev	.00087	.03872	.00059	.00007	.00002
%RSD	164.81	1846.8	201.13	3.4906	18.845
#1	-.00114	-.02528	-.00071	.00200	-.00010
#2	.00009	.02948	.00012	.00191	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00190**	**-.00000**	**.0163**	**-.00005**
Stddev	.00003	.00093	.00008	.0186	.00005
%RSD	52.257	49.154	5411.9	114.1	103.08
#1	.00004	.00256	.00006	.0295	-.00001
#2	.00008	.00124	-.00006	.0032	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00017**	**.00529**	**.10731**	**.00005**
Stddev	.00016	.00045	.00092	.00819	.00202
%RSD	88.007	269.11	17.363	7.6353	3986.5
#1	-.00029	.00015	.00594	.11311	-.00138
#2	-.00007	-.00048	.00464	.10152	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB-3880245 Acquired: 3/8/2022 11:14:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00009**	**.00110**	**.02447**	**-.00000**
Stddev	.00339	.00003	.00003	.00538	.00012
%RSD	254.31	28.623	2.8620	21.979	2468.3
#1	.00373	-.00011	.00108	.02066	-.00009
#2	-.00106	-.00007	.00112	.02827	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00034**	**-.00234**	**-.00004**	**.00221**
Stddev	.00	.00049	.00178	.00064	.00179
%RSD	.0025	145.76	76.034	1476.2	80.689
#1	25.01	.00001	-.00360	-.00050	.00348
#2	25.01	-.00069	-.00108	.00041	.00095
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01748**	**.00026**	**.00001**	**.9990**	**-.00027**
Stddev	.00118	.00020	.00005	.0043	.00003
%RSD	6.7579	76.656	652.79	.4323	10.565
#1	-.01832	.00040	.00004	.9959	-.00029
#2	-.01665	.00012	-.00003	1.002	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB-3880245 Acquired: 3/8/2022 11:14:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00058	-.00002	-.00052	1.000
Stddev	.00105	.00022	.00011	.001
%RSD	180.37	915.34	20.762	.0640
#1	-.00016	.00013	-.00059	1.001
#2	.00133	-.00018	-.00044	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4451.8	3118.9	28418.	2706.7
Stddev	2.5	2.8	133.	15.5
%RSD	.05544	.09115	.46936	.57128
#1	4450.1	3116.9	28512.	2717.7
#2	4453.6	3120.9	28324.	2695.8

Sample Name: ICVL-6882776 Acquired: 3/8/2022 11:17:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.17406**	**.01377**	**.02149**	**.00192**
Stddev	.00029	.00121	.00169	.00019	.00001
%RSD	5.5376	.69591	12.239	.89474	.75327
#1	.00540	.17491	.01258	.02163	.00191
#2	.00499	.17320	.01496	.02136	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.51369**	**.00189**	**.0607**	**.00379**
Stddev	.00003	.00399	.00007	.0114	.00012
%RSD	1.2317	.77712	3.6714	18.75	3.2836
#1	.00215	.51652	.00194	.0526	.00388
#2	.00211	.51087	.00184	.0687	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00403**	**.01009**	**.05342**	**.55973**	**.02900**
Stddev	.00024	.00080	.00250	.06438	.00057
%RSD	5.9592	7.9462	4.6867	11.502	1.9559
#1	.00386	.01066	.05165	.51421	.02860
#2	.00420	.00952	.05519	.60525	.02940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: ICVL-6882776 Acquired: 3/8/2022 11:17:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19734	.00298	.01060	.98108	.00950
Stddev	.00136	.00000	.00019	.01787	.00009
%RSD	.68759	.09266	1.7795	1.8214	.92942
#1	.19830	.00298	.01046	.99372	.00956
#2	.19638	.00297	.01073	.96844	.00943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.01004	.18341	.02136	.02339
Stddev	.00	.00003	.00083	.00074	.00015
%RSD	.0007	.27972	.45029	3.4659	.63724
#1	25.00	.01006	.18400	.02083	.02329
#2	25.00	.01002	.18283	.02188	.02350
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48901	.00922	.00503	F 1.001	.00464
Stddev	.01311	.00025	.00009	.002	.00014
%RSD	2.6806	2.7644	1.8755	.1786	3.0462
#1	.47975	.00940	.00509	.9994	.00474
#2	.49828	.00904	.00496	1.002	.00454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: ICVL-6882776 Acquired: 3/8/2022 11:17:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01919	.00481	.00944	F 1.000
Stddev	.00026	.00035	.00037	.001
%RSD	1.3510	7.2739	3.9328	.1280
#1	.01901	.00456	.00970	.9994
#2	.01937	.00505	.00918	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4419.8	3112.5	28309.	2718.7
Stddev	.8	3.2	89.	.1
%RSD	.01903	.10137	.31571	.00296
#1	4420.4	3114.7	28245.	2718.6
#2	4419.2	3110.3	28372.	2718.7

Sample Name: ICSA-6865244 Acquired: 3/8/2022 11:21:40 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00052	504.28	.00609	-.00151	.01344
Stddev	.00024	.46	.00117	.00007	.00004
%RSD	45.384	.09184	19.177	4.9369	.30008
#1	-.00035	503.96	.00526	-.00146	.01346
#2	-.00068	504.61	.00691	-.00156	.01341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	479.05	.00013	.0009	-.00036
Stddev	.00020	3.44	.00007	.0055	.00009
%RSD	187.18	.71743	53.650	618.3	25.783
#1	-.00025	481.48	.00008	.0048	-.00043
#2	.00003	476.62	.00019	-.0030	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00140	-.00014	186.29	.17314	.01127
Stddev	.00006	.00074	.26	.05836	.00022
%RSD	4.6198	537.28	.14062	33.706	1.9289
#1	.00136	-.00066	186.48	.13188	.01143
#2	.00145	.00039	186.11	.21441	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA-6865244 Acquired: 3/8/2022 11:21:40 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**511.66**	**-.00002**	**-.00134**	**.05264**	**-.00151**
Stddev	.55	.00003	.00050	.00655	.00003
%RSD	.10724	137.25	37.430	12.448	2.0198
#1	512.05	-.00004	-.00170	.05728	-.00153
#2	511.27	-.00000	-.00099	.04801	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.85**	**.00948**	**-.04442**	**.01212**	**.00280**
Stddev	.00	.00013	.00006	.00320	.00192
%RSD	.0024	1.3702	.14587	26.408	68.532
#1	24.85	.00957	-.04446	.01439	.00144
#2	24.85	.00939	-.04437	.00986	.00415
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.02405**	**-.00110**	**.01296**	**1.087**	**.00194**
Stddev	.00922	.00105	.00006	.004	.00046
%RSD	38.349	95.726	.49790	.3769	23.874
#1	-.01753	-.00035	.01300	1.090	.00161
#2	-.03057	-.00184	.01291	1.084	.00227
Check ?	None	Chk Pass	None	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA-6865244 Acquired: 3/8/2022 11:21:40 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**-.00252**	**-.00237**	**.00222**	**1.004**
Stddev	.00029	.00041	.00100	.001
%RSD	11.670	17.415	44.763	.0813
#1	-.00272	-.00266	.00152	1.004
#2	-.00231	-.00207	.00293	1.005
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3291.5**	**2709.8**	**23974.**	**2630.0**
Stddev	1.7	.0	30.	4.6
%RSD	.05050	.00050	.12493	.17430
#1	3290.3	2709.8	23995.	2633.3
#2	3292.7	2709.8	23953.	2626.8

Sample Name: ICSAB-6874819 Acquired: 3/8/2022 11:25:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52777	496.26	.51186	4.8668	.51683
Stddev	.00377	2.15	.00110	.0020	.00080
%RSD	.71505	.43252	.21459	.04132	.15571
#1	.53044	497.77	.51108	4.8682	.51740
#2	.52510	494.74	.51264	4.8653	.51626
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24821	469.32	.51915	.0095	.48988
Stddev	.00061	.60	.00036	.0225	.00026
%RSD	.24736	.12818	.06915	237.5	.05225
#1	.24865	469.74	.51890	-.0064	.48970
#2	.24778	468.89	.51940	.0254	.49006
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49131	.50873	183.62	5.1412	.01170
Stddev	.00051	.00092	.13	.0504	.00040
%RSD	.10478	.18121	.07079	.98030	3.3765
#1	.49095	.50939	183.53	5.1768	.01198
#2	.49167	.50808	183.72	5.1055	.01142
Check ?	Chk Pass	Chk Pass	Chk Pass	None	None
Value					
Range					

Sample Name: ICSAB-6874819 Acquired: 3/8/2022 11:25:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**500.84**	**.48435**	**.48847**	**5.1067**	**.48654**
Stddev	1.16	.00042	.00002	.0252	.00043
%RSD	.23170	.08673	.00482	.49289	.08788
#1	501.66	.48465	.48848	5.1245	.48684
#2	500.02	.48405	.48845	5.0889	.48623
Check ?	Chk Pass	Chk Pass	None	None	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.05**	**.50185**	**-.04679**	**.51900**	**.49377**
Stddev	.00	.00228	.00089	.00516	.00507
%RSD	.0048	.45405	1.9005	.99490	1.0268
#1	27.05	.50024	-.04616	.51535	.49736
#2	27.05	.50347	-.04742	.52265	.49019
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.8136**	**.49138**	**.49957**	**1.087**	**.50288**
Stddev	.0256	.00080	.00173	.003	.00209
%RSD	.53079	.16268	.34615	.2541	.41502
#1	4.7955	.49082	.50080	1.089	.50141
#2	4.8317	.49195	.49835	1.086	.50436
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: ICSAB-6874819 Acquired: 3/8/2022 11:25:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.48142	.48132	.44756	1.005
Stddev	.00143	.00215	.00159	.000
%RSD	.29604	.44633	.35579	.0245
#1	.48243	.48284	.44868	1.005
#2	.48041	.47980	.44643	1.005
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3336.7	2743.7	24348.	2665.2
Stddev	1.6	1.8	50.	.5
%RSD	.04844	.06597	.20636	.01767
#1	3335.6	2742.5	24312.	2665.5
#2	3337.9	2745.0	24383.	2664.8

Sample Name: ICEX1 Acquired: 3/8/2022 11:29:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.03915	4.7098	.00530	-.00013
Stddev	.00021	.00495	.0074	.00025	.00002
%RSD	647.08	12.631	.15724	4.6858	18.970
#1	-.00012	-.04265	4.7151	.00547	-.00011
#2	.00018	-.03566	4.7046	.00512	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.02382	.00010	-.0071	.00008
Stddev	.00005	.00183	.00003	.0421	.00020
%RSD	11.977	7.6743	31.782	594.0	246.75
#1	.00046	.02253	.00013	.0227	-.00006
#2	.00039	.02511	.00008	-.0368	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00100	24.708	.01049	-.01131	-.00022
Stddev	.00005	.028	.00088	.02681	.00011
%RSD	4.6704	.11412	8.3415	236.92	49.125
#1	.00103	24.727	.01111	-.03027	-.00029
#2	.00096	24.688	.00987	.00764	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX1 Acquired: 3/8/2022 11:29:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01538**	**.00041**	**-.00063**	**-.00292**	**-.00014**
Stddev	.00143	.00010	.00011	.00638	.00014
%RSD	9.3133	24.873	17.050	218.69	101.55
#1	.01437	.00048	-.00071	-.00743	-.00024
#2	.01640	.00034	-.00055	.00160	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.00033**	**-.00523**	**-.00053**	**.00059**
Stddev	-----	.00121	.00073	.00014	.00257
%RSD	-----	370.78	13.907	26.281	433.18
#1	^ -----	-.00053	-.00574	-.00043	.00241
#2	^ -----	.00118	-.00471	-.00063	-.00122
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04148**	**.00023**	**-.00007**	**1.007**	**-.00008**
Stddev	.00860	.00019	.00002	.006	.00002
%RSD	20.727	83.931	31.879	.5824	23.445
#1	.03540	.00009	-.00005	1.003	-.00006
#2	.04756	.00037	-.00008	1.011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX1 Acquired: 3/8/2022 11:29:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	F -.02004	4.6618	-.00052	.9984
Stddev	.00001	.0141	.00020	.0008
%RSD	.03706	.30138	38.009	.0839
#1	-.02005	4.6518	-.00038	.9990
#2	-.02004	4.6717	-.00066	.9978
Check ?	Chk Fail	Chk Pass	Chk Pass	None
High Limit	.02000			
Low Limit	-.02000			
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4406.5	3084.8	28428.	2681.0
Stddev	3.0	1.7	8.	3.8
%RSD	.06726	.05596	.02708	.14188
#1	4408.6	3086.0	28434.	2683.7
#2	4404.4	3083.6	28423.	2678.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.254%	98.541%	100.03%	98.507%
Range				

Sample Name: ICEX2 Acquired: 3/8/2022 11:33:08 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00089	.01510	.00092	.00379	.00001
Stddev	.00045	.02933	.00013	.00019	.00000
%RSD	49.894	194.29	13.591	4.9408	36.163
#1	.00058	.03583	.00101	.00366	.00001
#2	.00121	-.00564	.00084	.00393	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.00928	.00057	.0499	-.00001
Stddev	.00009	.00331	.00015	.0004	.00020
%RSD	87.740	35.626	26.930	.7978	1995.9
#1	-.00004	.00694	.00068	.0501	-.00015
#2	-.00017	.01162	.00046	.0496	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.00518	.00128	-.00935	9.6324
Stddev	.00012	.00066	.00171	.02511	.0131
%RSD	15.612	12.822	133.72	268.44	.13601
#1	.00085	.00565	.00007	.00840	9.6417
#2	.00068	.00471	.00249	-.02711	9.6232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX2 Acquired: 3/8/2022 11:33:08 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01532**	**.00010**	**.00097**	**-.00494**	**.00398**
Stddev	.00285	.00005	.00002	.01175	.00040
%RSD	18.627	50.243	1.7100	237.73	10.006
#1	.01330	.00013	.00096	-.01325	.00427
#2	.01733	.00006	.00098	.00337	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00010**	**-.00834**	**.00321**	**-.00049**
Stddev	.00	.00071	.00187	.00119	.00106
%RSD	.0034	700.87	22.452	37.260	216.43
#1	25.01	.00060	-.00702	.00236	-.00124
#2	25.01	-.00040	-.00967	.00405	.00026
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**47.470**	**-.00051**	**-.00004**	**1.005**	**20.137**
Stddev	.006	.00024	.00003	.004	.109
%RSD	.01338	48.312	73.337	.4512	.53970
#1	47.466	-.00033	-.00002	1.008	20.213
#2	47.475	-.00068	-.00006	1.001	20.060
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX2 Acquired: 3/8/2022 11:33:08 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**19.864**	**-.00269**	**-.00145**	**1.002**
Stddev	.039	.00015	.00024	.000
%RSD	.19587	5.3875	16.238	.0098
#1	19.836	-.00280	-.00161	1.002
#2	19.891	-.00259	-.00128	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4164.2**	**3035.3**	**27580.**	**2675.9**
Stddev	11.8	4.7	17.	17.8
%RSD	.28242	.15591	.06158	.66558
#1	4172.5	3038.6	27592.	2663.3
#2	4155.8	3031.9	27568.	2688.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.795%	96.957%	97.048%	98.318%
Range				

Sample Name: ICEX3 Acquired: 3/8/2022 11:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00492**	**-.04831**	**.00231**	**.00096**	**-.00020**
Stddev	.00050	.00154	.00076	.00024	.00000
%RSD	10.135	3.1914	32.886	25.148	1.4125
#1	-.00527	-.04722	.00177	.00079	-.00020
#2	-.00457	-.04940	.00284	.00113	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00341**	**.00023**	**-1.246**	**.00008**
Stddev	.00007	.00136	.00014	.053	.00007
%RSD	564.05	39.938	60.806	4.280	85.962
#1	-.00006	.00244	.00033	-1.283	.00013
#2	.00004	.00437	.00013	-1.208	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00009**	**-.00380**	**.00781**	**.00048**
Stddev	.00050	.00058	.00082	.00536	.00025
%RSD	16676.	650.54	21.488	68.667	52.556
#1	-.00035	.00050	-.00322	.00402	.00030
#2	.00036	-.00032	-.00438	.01160	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX3 Acquired: 3/8/2022 11:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576-2	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}2	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01368**	**47.878**	**-.00176**	**-.00243**	**.00047**
Stddev	.00062	.261	.00012	.00440	.00005
%RSD	4.5474	.54524	6.7525	180.69	11.053
#1	-.01412	48.062	-.00185	.00068	.00050
#2	-.01324	47.693	-.00168	-.00554	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00473**	**93.444**	**-.00241**	**-.00212**
Stddev	.00	.00029	.297	.00185	.00218
%RSD	.0037	6.2025	.31834	76.564	103.04
#1	25.02	.00494	93.654	-.00111	-.00367
#2	25.02	.00453	93.234	-.00372	-.00058
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01033**	**-.00044**	**-.00004**	**1.005**	**.00274**
Stddev	.00158	.00043	.00001	.002	.00000
%RSD	15.253	96.507	30.882	.1504	.17726
#1	-.01144	-.00014	-.00005	1.006	.00274
#2	-.00922	-.00075	-.00003	1.004	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX3 Acquired: 3/8/2022 11:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00003	.00240	-.00048	.9946
Stddev	.00071	.00018	.00019	.0024
%RSD	2272.0	7.6983	40.792	.2423
#1	-.00047	.00253	-.00034	.9963
#2	.00053	.00227	-.00062	.9929
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4427.0	3113.9	28288.	2706.6
Stddev	6.8	2.7	167.	.5
%RSD	.15276	.08700	.59028	.01842
#1	4422.2	3112.0	28169.	2707.0
#2	4431.8	3115.8	28406.	2706.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.715%	99.469%	99.539%	99.447%
Range				

Sample Name: ICEX4 Acquired: 3/8/2022 11:40:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**-.02615**	**.01206**	**-.00074**	**-.00010**
Stddev	.00119	.00197	.00031	.00007	.00001
%RSD	200.01	7.5225	2.5850	9.8781	11.375
#1	-.00143	-.02754	.01184	-.00069	-.00011
#2	.00025	-.02476	.01228	-.00079	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.01015**	**-.00049**	**.0380**	**18.672**
Stddev	.00003	.00237	.00002	.0147	.014
%RSD	66.919	23.388	4.9322	38.70	.07625
#1	-.00007	.01183	-.00047	.0276	18.682
#2	-.00002	.00847	-.00051	.0484	18.661
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.9164**	**.00599**	**-.00158**	**.03577**	**-.00151**
Stddev	.0161	.00004	.00098	.01771	.00137
%RSD	.16222	.63588	62.137	49.508	90.538
#1	9.9050	.00602	-.00227	.02325	-.00054
#2	9.9278	.00597	-.00088	.04829	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX4 Acquired: 3/8/2022 11:40:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00159	.00038	.00206	9.3949
Stddev	.00056	.00006	.00007	.01045	.0044
%RSD	1579.2	3.6846	19.549	506.74	.04663
#1	-.00043	.00163	.00043	-.00533	9.3980
#2	.00036	.00155	.00033	.00945	9.3918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.00	-.00163	.03895	-.00146	-.00023
Stddev	.00	.00069	.00310	.00196	.00007
%RSD	.0044	42.518	7.9534	134.56	28.829
#1	25.00	-.00114	.04114	-.00007	-.00027
#2	25.01	-.00212	.03676	-.00285	-.00018
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.15697	-.00026	.00001	1.006	.00181
Stddev	.01282	.00040	.00013	.005	.00005
%RSD	8.1682	154.92	2447.1	.4537	2.9207
#1	-.16603	-.00054	-.00009	1.003	.00177
#2	-.14790	.00002	.00010	1.010	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX4 Acquired: 3/8/2022 11:40:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00097	-.00044	-.00564	1.000
Stddev	.00014	.00010	.00023	.001
%RSD	14.248	23.526	4.1001	.1147
#1	-.00088	-.00051	-.00547	.9993
#2	-.00107	-.00037	-.00580	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4399.6	3084.4	28302.	2727.5
Stddev	8.4	7.1	9.	5.5
%RSD	.19006	.22999	.03327	.20216
#1	4393.7	3079.4	28309.	2731.4
#2	4405.5	3089.4	28295.	2723.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.098%	98.527%	99.589%	100.21%
Range				

Sample Name: ICEX5 Acquired: 3/8/2022 11:44:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.05914**	**.00042**	**-.00074**	**-.00025**
Stddev	.00059	.04959	.00250	.00018	.00001
%RSD	3778.4	83.846	596.53	24.237	3.9484
#1	-.00043	.09421	-.00135	-.00062	-.00026
#2	.00040	.02408	.00218	-.00087	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.00046**	**.00001**	**-.0293**	**.00054**
Stddev	.00010	.00205	.00011	.0338	.00010
%RSD	2127.6	441.89	2009.1	115.4	18.940
#1	.00007	.00098	.00008	-.0054	.00061
#2	-.00008	-.00191	-.00007	-.0531	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.00069**	**-.00001**	**.03951**	**-.00036**
Stddev	.00034	.00015	.00231	.01797	.00020
%RSD	12584.	22.264	22275.	45.485	54.932
#1	-.00024	-.00080	-.00164	.02680	-.00050
#2	.00024	-.00058	.00162	.05222	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX5 Acquired: 3/8/2022 11:44:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.03215**	**.00047**	**5.0335**	**.00905**	**-.00009**
Stddev	.00028	.00001	.0098	.00034	.00010
%RSD	.87400	2.3422	.19536	3.7274	119.96
#1	-.03195	.00048	5.0404	.00881	-.00001
#2	-.03235	.00047	5.0265	.00929	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**-.00482**	**-.01942**	**-.00326**	**.00045**
Stddev	.00	.00059	.00003	.00075	.00100
%RSD	.0015	12.296	.13397	22.890	223.00
#1	25.00	-.00524	-.01940	-.00378	-.00026
#2	25.00	-.00440	-.01944	-.00273	.00115
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**-.00000**	**-.00008**	**1.002**	**.00209**
Stddev	.00932	.00001	.00013	.004	.00028
%RSD	53.188	310.23	158.71	.3809	13.479
#1	.01093	.00000	-.00017	1.005	.00189
#2	.02412	-.00001	.00001	.9994	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICEX5 Acquired: 3/8/2022 11:44:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00027	.00104	-.00101	.9996
Stddev	.00016	.00027	.00008	.0023
%RSD	59.629	25.857	7.6275	.2266
#1	.00039	.00123	-.00107	1.001
#2	.00016	.00085	-.00096	.9980
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4436.2	3133.4	28715.	2764.4
Stddev	6.6	3.4	41.	8.9
%RSD	.14826	.10698	.14160	.32218
#1	4431.5	3131.0	28686.	2758.1
#2	4440.8	3135.7	28743.	2770.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.923%	100.09%	101.04%	101.57%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 11:48:23 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.91698	48.506	.99274	.99116	.96737
Stddev	.00040	.075	.00199	.00104	.00114
%RSD	.04384	.15560	.20024	.10514	.11788
#1	.91670	48.560	.99414	.99190	.96656
#2	.91726	48.453	.99133	.99042	.96817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0148	50.232	1.0002	.9813	.97533
Stddev	.0035	.143	.0021	.0352	.00028
%RSD	.34682	.28418	.20906	3.586	.02910
#1	1.0123	50.131	1.0017	.9564	.97553
#2	1.0173	50.333	.99873	1.006	.97513
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.99920	.99136	48.577	47.918	.98758
Stddev	.00133	.00090	.319	.178	.00143
%RSD	.13267	.09074	.65600	.37229	.14454
#1	.99826	.99073	48.352	47.792	.98657
#2	1.0001	.99200	48.802	48.044	.98859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 11:48:23 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.078**	**.97798**	**1.0039**	**49.194**	**.97857**
Stddev	.071	.00181	.0022	.175	.00020
%RSD	.14860	.18542	.22401	.35628	.01996
#1	48.028	.97670	1.0055	49.070	.97843
#2	48.129	.97926	1.0023	49.318	.97870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.15**	**.98601**	**25.177**	**1.0052**	**.98851**
Stddev	.03	.00019	.032	.0034	.00939
%RSD	.0832	.01890	.12602	.33309	.95010
#1	37.17	.98588	25.199	1.0076	.99515
#2	37.13	.98614	25.154	1.0029	.98187
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.9033**	**.98037**	**.98722**	**1.470**	**1.0121**
Stddev	.0586	.00006	.00298	.005	.0027
%RSD	.59146	.00595	.30194	.3207	.26285
#1	9.8619	.98032	.98511	1.473	1.0102
#2	9.9448	.98041	.98933	1.467	1.0140
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 11:48:23 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.97435	.93437	.92477	1.464
Stddev	.00034	.00265	.00057	.003
%RSD	.03509	.28372	.06198	.2237
#1	.97411	.93249	.92436	1.462
#2	.97460	.93624	.92517	1.467
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3860.4	2966.7	26736.	2698.4
Stddev	2.4	2.7	41.	13.5
%RSD	.06184	.09160	.15506	.49926
#1	3862.1	2964.8	26707.	2708.0
#2	3858.8	2968.6	26766.	2688.9

Sample Name: CCB-6880245 Acquired: 3/8/2022 11:51:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.01866**	**.00105**	**.00091**	**-.00010**
Stddev	.00002	.01033	.00115	.00030	.00002
%RSD	8.8944	55.373	109.66	33.026	19.066
#1	-.00024	-.02596	.00186	.00112	-.00011
#2	-.00027	-.01135	.00024	.00069	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00090**	**-.00020**	**.0154**	**.00008**
Stddev	.00009	.00495	.00004	.0023	.00001
%RSD	112.47	551.02	20.064	15.20	14.738
#1	.00002	.00439	-.00017	.0138	.00007
#2	.00015	-.00260	-.00023	.0171	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00087**	**.00047**	**.06916**	**-.00200**
Stddev	.00017	.00027	.00192	.00238	.00104
%RSD	48.240	30.968	412.12	3.4340	51.677
#1	.00047	-.00107	-.00089	.06748	-.00127
#2	.00023	-.00068	.00182	.07084	-.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 11:51:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00001**	**.00190**	**.00604**	**.00009**
Stddev	.00036	.00003	.00014	.00553	.00031
%RSD	2138.4	205.66	7.1866	91.583	362.38
#1	-.00027	.00003	.00180	.00213	-.00014
#2	.00024	-.00001	.00200	.00995	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00013**	**-.00388**	**.00041**	**-.00020**
Stddev	.00	.00019	.00290	.00070	.00124
%RSD	.0014	150.36	74.810	168.88	612.81
#1	25.01	-.00027	-.00593	-.00008	.00068
#2	25.01	.00001	-.00183	.00090	-.00108
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00409**	**-.00028**	**-.00008**	**1.005**	**-.00026**
Stddev	.01140	.00021	.00010	.003	.00053
%RSD	278.85	74.949	123.54	.2571	206.91
#1	-.01215	-.00013	-.00001	1.007	-.00063
#2	.00397	-.00043	-.00015	1.003	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 11:51:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00063	-.00004	-.00050	.9998
Stddev	.00094	.00042	.00008	.0005
%RSD	150.50	979.67	15.948	.0490
#1	.00129	.00026	-.00045	.9994
#2	-.00004	-.00034	-.00056	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4401.0	3062.1	28269.	2701.8
Stddev	5.6	8.1	10.	7.6
%RSD	.12752	.26582	.03710	.28081
#1	4404.9	3067.9	28262.	2707.1
#2	4397.0	3056.4	28277.	2696.4

Sample Name: CCVL-6882776 Acquired: 3/8/2022 12:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00535**	**.18219**	**.01406**	**.01905**	**.00184**
Stddev	.00027	.01886	.00056	.00030	.00001
%RSD	5.1176	10.354	3.9627	1.5803	.64230
#1	.00554	.19552	.01366	.01926	.00185
#2	.00516	.16885	.01445	.01883	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.51525**	**.00184**	**.0344**	**.00368**
Stddev	.00017	.00409	.00002	.0262	.00007
%RSD	8.0684	.79329	1.0923	76.16	1.8782
#1	.00217	.51236	.00182	.0159	.00373
#2	.00194	.51814	.00185	.0529	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**.00958**	**.04961**	**.47941**	**.02784**
Stddev	.00015	.00054	.00123	.02663	.00065
%RSD	3.9937	5.5876	2.4732	5.5539	2.3471
#1	.00374	.00996	.05048	.46058	.02738
#2	.00396	.00920	.04875	.49824	.02830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 12:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18591	.00284	.01090	.96117	.00948
Stddev	.00158	.00002	.00016	.00683	.00008
%RSD	.85177	.74239	1.4844	.71097	.79567
#1	.18703	.00282	.01079	.96600	.00953
#2	.18479	.00285	.01102	.95634	.00943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00975	.18467	.01997	.02184
Stddev	.00	.00076	.00111	.00127	.00101
%RSD	.0002	7.7549	.59985	6.3620	4.6341
#1	25.00	.00921	.18389	.01907	.02112
#2	25.00	.01028	.18545	.02087	.02256
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.45622	.00932	.00491	F 1.014	.00534
Stddev	.00164	.00019	.00017	.006	.00000
%RSD	.35878	2.0850	3.3955	.5607	.09265
#1	.45737	.00946	.00503	1.018	.00534
#2	.45506	.00919	.00479	1.010	.00534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 12:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01915	.00432	.00903	F .9990
Stddev	.00016	.00005	.00003	.0004
%RSD	.81873	1.1675	.33552	.0425
#1	.01904	.00436	.00906	.9987
#2	.01926	.00428	.00901	.9993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4393.2	3071.9	28249.	2712.9
Stddev	4.3	.4	126.	3.3
%RSD	.09721	.01373	.44643	.12156
#1	4396.3	3072.2	28160.	2710.6
#2	4390.2	3071.6	28339.	2715.2

Sample Name: MB 480-617001/1-A Acquired: 3/8/2022 13:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00027**	**-.00107**	**-.00170**	**-.00009**
Stddev	.00024	.00069	.00004	.00016	.00004
%RSD	170.29	258.32	3.9056	9.3949	49.349
#1	-.00032	-.00076	-.00110	-.00181	-.00012
#2	.00003	.00022	-.00104	-.00159	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.02608**	**.00006**	**.0412**	**-.00005**
Stddev	.00002	.00022	.00003	.0090	.00004
%RSD	33.129	.85204	53.140	21.79	82.529
#1	.00004	.02623	.00008	.0348	-.00007
#2	.00007	.02592	.00004	.0475	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00019**	**.00315**	**.00766**	**-.00101**
Stddev	.00000	.00036	.00078	.01774	.00007
%RSD	.61294	185.29	24.811	231.56	6.4814
#1	-.00009	.00044	.00370	-.00488	-.00096
#2	-.00009	-.00006	.00260	.02020	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617001/1-A Acquired: 3/8/2022 13:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00234**	**.00041**	**.00006**	**.00983**	**-.00000**
Stddev	.00050	.00001	.00000	.00246	.00006
%RSD	21.267	3.2256	6.7056	25.006	8326.5
#1	-.00199	.00041	.00006	.00809	-.00004
#2	-.00269	.00042	.00006	.01157	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00005**	**.00018**	**-.00039**	**-.00074**
Stddev	.00	.00052	.00174	.00059	.00002
%RSD	.0034	1158.9	978.72	152.07	3.0381
#1	25.01	.00033	.00140	.00003	-.00072
#2	25.01	-.00042	-.00105	-.00081	-.00075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22368**	**.00058**	**.00001**	**1.009**	**.00034**
Stddev	.00393	.00015	.00002	.002	.00035
%RSD	1.7582	25.977	200.67	.2423	102.88
#1	.22090	.00068	-.00000	1.007	.00009
#2	.22646	.00047	.00003	1.011	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617001/1-A Acquired: 3/8/2022 13:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00052	-.00026	.00094	.9994
Stddev	.00058	.00031	.00017	.0006
%RSD	111.50	119.66	18.117	.0582
#1	-.00093	-.00048	.00082	.9998
#2	-.00011	-.00004	.00106	.9989
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4371.5	3039.3	28258.	2752.8
Stddev	4.3	6.7	39.	13.3
%RSD	.09727	.21896	.13709	.48477
#1	4368.5	3034.6	28285.	2762.3
#2	4374.5	3044.0	28230.	2743.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.466%	97.086%	99.433%	101.15%
Range				

Sample Name: LCSSRM 480-617001/2- Acquired: 3/8/2022 13:05:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.28899	94.746	1.3986	.77557	2.1769
Stddev	.00143	.237	.0009	.00006	.0046
%RSD	.49606	.25015	.06649	.00759	.21366
#1	.29001	94.578	1.3980	.77561	2.1802
#2	.28798	94.913	1.3993	.77553	2.1736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4832	43.822	1.1994	1.290	1.1617
Stddev	.0065	.073	.0009	.004	.0012
%RSD	.43835	.16606	.07226	.3204	.10076
#1	1.4878	43.873	1.2000	1.287	1.1608
#2	1.4786	43.770	1.1988	1.293	1.1625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.3491	.49251	144.24	21.037	.06941
Stddev	.0029	.00064	.34	.071	.00018
%RSD	.21530	.13039	.23915	.33845	.25439
#1	1.3511	.49296	144.49	21.088	.06954
#2	1.3470	.49205	144.00	20.987	.06929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LCSSRM 480-617001/2- Acquired: 3/8/2022 13:05:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**21.354**	**2.4268**	**.90734**	**1.4611**	**.53233**
Stddev	.057	.0077	.00040	.0017	.00071
%RSD	.26908	.31677	.04398	.11411	.13330
#1	21.394	2.4322	.90706	1.4599	.53183
#2	21.313	2.4213	.90762	1.4622	.53283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.99**	**1.3481**	**.72472**	**1.0077**	**1.4441**
Stddev	.01	.0020	.00169	.0019	.0011
%RSD	.0213	.14939	.23300	.18540	.07878
#1	26.98	1.3467	.72352	1.0090	1.4449
#2	26.99	1.3496	.72591	1.0064	1.4433
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.1624**	**.72051**	**.82814**	**1.144**	**4.7326**
Stddev	.0311	.00076	.00020	.001	.0037
%RSD	.74682	.10505	.02357	.0646	.07778
#1	4.1844	.71998	.82828	1.144	4.7300
#2	4.1404	.72105	.82800	1.143	4.7352
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LCSSRM 480-617001/2- Acquired: 3/8/2022 13:05:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.1362	.61199	1.2932	1.033
Stddev	.0011	.00530	.0086	.001
%RSD	.09690	.86615	.66615	.1109
#1	1.1354	.61574	1.2993	1.033
#2	1.1370	.60824	1.2871	1.032
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3856.4	3384.1	30955.	3164.1
Stddev	6.1	10.3	24.	12.2
%RSD	.15845	.30499	.07908	.38501
#1	3852.1	3376.8	30938.	3155.5
#2	3860.7	3391.4	30973.	3172.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.863%	108.10%	108.93%	116.26%
Range				

Sample Name: 620-3081-D-2-J Acquired: 3/8/2022 13:08:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01439	68.778	.03812	.07390	.80455
Stddev	.00038	.274	.00020	.00028	.00314
%RSD	2.6688	.39766	.53729	.38173	.39019
#1	.01411	68.972	.03798	.07410	.80677
#2	.01466	68.585	.03827	.07370	.80233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00250	80.845	.02146	.2983	.05118
Stddev	.00009	.057	.00010	.0131	.00009
%RSD	3.5582	.07104	.44429	4.404	.17007
#1	.00256	80.886	.02153	.3076	.05124
#2	.00244	80.805	.02139	.2890	.05112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.24693	.91536	207.47	19.724	.11575
Stddev	.00039	.00144	.56	.030	.00108
%RSD	.15593	.15709	.26965	.15144	.93543
#1	.24720	.91434	207.87	19.746	.11652
#2	.24666	.91638	207.08	19.703	.11499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-J Acquired: 3/8/2022 13:08:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**30.437**	**2.2791**	**.03753**	**3.8931**	**.24696**
Stddev	.019	.0006	.00015	.0087	.00081
%RSD	.06225	.02810	.40999	.22311	.32985
#1	30.424	2.2787	.03742	3.8869	.24638
#2	30.451	2.2796	.03764	3.8992	.24753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.07**	**1.8185**	**5.4784**	**.05111**	**.02192**
Stddev	.01	.0014	.0061	.00027	.00157
%RSD	.0358	.07658	.11075	.53235	7.1843
#1	26.08	1.8175	5.4827	.05092	.02303
#2	26.07	1.8195	5.4741	.05130	.02080
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.5314**	**.09196**	**.28934**	**1.115**	**6.4501**
Stddev	.0255	.00093	.00068	.008	.0031
%RSD	.72279	1.0071	.23544	.6947	.04725
#1	3.5133	.09130	.28982	1.121	6.4479
#2	3.5494	.09261	.28886	1.110	6.4522
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-J Acquired: 3/8/2022 13:08:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00916	.29008	2.8023	1.020
Stddev	.00235	.00026	.0024	.002
%RSD	25.710	.08880	.08697	.1538
#1	-.01082	.28990	2.8040	1.021
#2	-.00749	.29026	2.8006	1.019
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3867.0	3179.8	29047.	3050.8
Stddev	5.6	5.3	35.	3.8
%RSD	.14490	.16675	.12214	.12496
#1	3863.0	3176.1	29072.	3048.1
#2	3871.0	3183.5	29022.	3053.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.102%	101.57%	102.21%	112.09%
Range				

Sample Name: 620-3081-D-2-JSD@5 Acquired: 3/8/2022 13:12:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00331	15.441	.00896	.01680	.18727
Stddev	.00052	.019	.00079	.00030	.00080
%RSD	15.685	.12454	8.8351	1.7632	.42576
#1	.00294	15.428	.00840	.01659	.18671
#2	.00367	15.455	.00952	.01701	.18784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00063	18.738	.00488	.0917	.01079
Stddev	.00002	.072	.00019	.0034	.00012
%RSD	3.8306	.38418	3.8615	3.665	1.1460
#1	.00061	18.687	.00474	.0893	.01088
#2	.00064	18.789	.00501	.0941	.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05593	.20207	46.637	4.2941	.02523
Stddev	.00060	.00145	.004	.0006	.00026
%RSD	1.0675	.71751	.00836	.01357	1.0153
#1	.05635	.20104	46.635	4.2945	.02505
#2	.05551	.20309	46.640	4.2937	.02541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-JSD@5 Acquired: 3/8/2022 13:12:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.9677**	**.51304**	**.00873**	**.85039**	**.05226**
Stddev	.0319	.00081	.00013	.00616	.00036
%RSD	.45795	.15856	1.5378	.72405	.68265
#1	6.9452	.51246	.00863	.85475	.05200
#2	6.9903	.51361	.00882	.84604	.05251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.23**	**.39245**	**1.2540**	**.01108**	**.00394**
Stddev	.00	.00714	.0149	.00116	.00114
%RSD	.0074	1.8203	1.1860	10.452	28.877
#1	25.23	.38739	1.2435	.01189	.00314
#2	25.23	.39750	1.2645	.01026	.00475
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.77519**	**.01912**	**.06508**	**1.026**	**1.4575**
Stddev	.02932	.00061	.00053	.006	.0018
%RSD	3.7819	3.2138	.81159	.5616	.12228
#1	.75446	.01869	.06471	1.030	1.4562
#2	.79593	.01956	.06546	1.022	1.4587
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-JSD@5 Acquired: 3/8/2022 13:12:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00078	.06278	.64872	1.003
Stddev	.00036	.00030	.00050	.001
%RSD	46.857	.47946	.07686	.0861
#1	-.00104	.06300	.64907	1.004
#2	-.00052	.06257	.64837	1.003
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4219.3	3091.7	28423.	2830.2
Stddev	4.0	2.4	30.	12.1
%RSD	.09421	.07745	.10685	.42688
#1	4222.1	3093.4	28444.	2838.8
#2	4216.5	3090.0	28401.	2821.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.037%	98.761%	100.01%	103.99%
Range				

Sample Name: 620-3081-D-2-JPDS Acquired: 3/8/2022 13:16:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10091	83.114	.41200	.43932	1.1106
Stddev	.00153	.011	.00371	.00034	.0038
%RSD	1.5128	.01371	.89965	.07706	.34231
#1	.10199	83.122	.41462	.43908	1.1080
#2	.09983	83.106	.40938	.43956	1.1133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.37962	96.322	.38943	.2825	.43207
Stddev	.00124	.159	.00025	.0199	.00021
%RSD	.32733	.16521	.06351	7.034	.04764
#1	.37874	96.209	.38925	.2684	.43193
#2	.38049	96.434	.38960	.2966	.43222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58593	1.2414	209.11	36.081	.47810
Stddev	.00021	.0038	1.00	.155	.00315
%RSD	.03634	.30820	.48035	.43036	.65961
#1	.58578	1.2387	208.40	35.971	.47587
#2	.58608	1.2441	209.82	36.191	.48033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-JPDS Acquired: 3/8/2022 13:16:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**46.394**	**2.4962**	**.40592**	**21.612**	**.61673**
Stddev	.132	.0041	.00022	.100	.00088
%RSD	.28493	.16519	.05454	.46376	.14299
#1	46.301	2.4933	.40576	21.541	.61610
#2	46.488	2.4992	.40608	21.683	.61735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**2.1206**	**22.738**	**.44021**	**.37238**
Stddev	-----	.0004	.044	.00044	.00175
%RSD	-----	.01764	.19393	.10006	.47087
#1	^ -----	2.1203	22.770	.44053	.37114
#2	^ -----	2.1209	22.707	.43990	.37362
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**20.611**	**.46725**	**.63445**	**1.110**	**6.5915**
Stddev	.166	.00002	.00221	.003	.0092
%RSD	.80443	.00503	.34761	.3073	.13968
#1	20.494	.46724	.63289	1.113	6.5850
#2	20.728	.46727	.63601	1.108	6.5980
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-JPDS Acquired: 3/8/2022 13:16:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.36823	.60188	2.9498	1.021
Stddev	.00034	.00094	.0063	.000
%RSD	.09291	.15552	.21357	.0410
#1	.36847	.60122	2.9542	1.021
#2	.36799	.60254	2.9453	1.021
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3746.6	3104.4	28465.	2975.8
Stddev	1.8	5.0	11.	14.1
%RSD	.04755	.16180	.03849	.47489
#1	3745.4	3100.8	28472.	2985.8
#2	3747.9	3107.9	28457.	2965.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.391%	99.165%	100.16%	109.34%
Range				

Sample Name: 620-3081-D-2-K MS Acquired: 3/8/2022 13:19:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.16399	98.789	.39798	.41061	.99301
Stddev	.00030	.937	.00047	.00097	.01011
%RSD	.18295	.94820	.11876	.23585	1.0182
#1	.16378	99.452	.39832	.41129	1.0002
#2	.16420	98.127	.39765	.40992	.98586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36355	91.655	.37167	.5264	.44856
Stddev	.00380	.872	.00142	.0087	.00156
%RSD	1.0453	.95127	.38171	1.655	.34726
#1	.36624	92.271	.37267	.5203	.44966
#2	.36086	91.038	.37066	.5326	.44746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.60172	1.1339	246.57	36.157	.45432
Stddev	.00246	.0006	2.52	.447	.00274
%RSD	.40905	.04972	1.0205	1.2362	.60408
#1	.59998	1.1335	248.35	36.473	.45626
#2	.60346	1.1342	244.79	35.841	.45238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-K MS Acquired: 3/8/2022 13:19:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**53.007**	**3.7346**	**.40029**	**21.771**	**.63683**
Stddev	.205	.0196	.00102	.235	.00147
%RSD	.38584	.52599	.25387	1.0808	.23079
#1	52.862	3.7207	.40101	21.937	.63787
#2	53.151	3.7485	.39957	21.605	.63579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.53**	**1.9364**	**22.063**	**.34614**	**.36020**
Stddev	.01	.0108	.103	.00153	.00522
%RSD	.0336	.55703	.46523	.44163	1.4495
#1	25.52	1.9440	22.136	.34722	.36390
#2	25.54	1.9288	21.991	.34506	.35651
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.530**	**.43318**	**.60123**	**1.140**	**7.6167**
Stddev	.127	.00247	.00629	.003	.0257
%RSD	1.2084	.57011	1.0461	.2445	.33707
#1	10.620	.43493	.60567	1.142	7.5985
#2	10.440	.43143	.59678	1.138	7.6348
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-K MS Acquired: 3/8/2022 13:19:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.36823	.65883	2.7121	1.043
Stddev	.00204	.00094	.0171	.002
%RSD	.55463	.14319	.63201	.2167
#1	.36967	.65816	2.6999	1.045
#2	.36678	.65949	2.7242	1.042
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3711.5	3234.7	29492.	3087.8
Stddev	11.7	11.0	70.	24.0
%RSD	.31623	.33872	.23677	.77565
#1	3703.2	3226.9	29541.	3070.9
#2	3719.8	3242.4	29442.	3104.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.600%	103.33%	103.78%	113.45%
Range				

Sample Name: 620-3081-D-2-L MSD Acquired: 3/8/2022 13:23:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09912	97.180	.40329	.41664	.93230
Stddev	.00190	.310	.00140	.00120	.00158
%RSD	1.9161	.31872	.34703	.28748	.16988
#1	.10046	96.961	.40230	.41579	.93118
#2	.09778	97.399	.40428	.41749	.93342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.37236	91.598	.37711	.2573	.43602
Stddev	.00040	.116	.00027	.0321	.00009
%RSD	.10637	.12713	.07114	12.47	.02018
#1	.37208	91.515	.37692	.2800	.43596
#2	.37264	91.680	.37730	.2346	.43608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.60186	1.0317	202.99	35.545	.44869
Stddev	.00016	.0015	.40	.009	.00028
%RSD	.02732	.14717	.19783	.02588	.06245
#1	.60174	1.0306	202.71	35.538	.44889
#2	.60197	1.0328	203.27	35.551	.44849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-L MSD Acquired: 3/8/2022 13:23:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**51.384**	**2.6921**	**.39923**	**23.238**	**.61046**
Stddev	.016	.0032	.00037	.056	.00059
%RSD	.03108	.11701	.09378	.24274	.09629
#1	51.395	2.6943	.39896	23.198	.61087
#2	51.372	2.6899	.39949	23.278	.61004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.46**	**1.6542**	**22.031**	**.35960**	**.36426**
Stddev	.00	.0017	.037	.00307	.00383
%RSD	.0056	.10513	.16817	.85272	1.0507
#1	25.46	1.6554	22.005	.35743	.36697
#2	25.45	1.6530	22.058	.36177	.36156
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.254**	**.40768**	**.61670**	**1.096**	**7.1977**
Stddev	.036	.00139	.00187	.007	.0099
%RSD	.31931	.34169	.30378	.6718	.13706
#1	11.229	.40867	.61537	1.090	7.1907
#2	11.280	.40670	.61802	1.101	7.2047
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-2-L MSD Acquired: 3/8/2022 13:23:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.37082	.69513	2.3096	1.045
Stddev	.00153	.00180	.0036	.000
%RSD	.41224	.25886	.15543	.0308
#1	.37190	.69640	2.3070	1.045
#2	.36974	.69386	2.3121	1.045
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3724.0	3118.1	28403.	2998.7
Stddev	8.9	3.0	44.	1.2
%RSD	.23867	.09542	.15595	.03999
#1	3717.7	3116.0	28372.	2997.8
#2	3730.3	3120.2	28435.	2999.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.882%	99.604%	99.946%	110.18%
Range				

Sample Name: 620-3081-E-3-D Acquired: 3/8/2022 13:26:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**34.237**	**.01532**	**.00414**	**.13293**
Stddev	.00018	.015	.00076	.00023	.00027
%RSD	47.864	.04346	4.9351	5.5418	.20611
#1	-.00025	34.227	.01478	.00398	.13273
#2	-.00051	34.248	.01585	.00430	.13312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**6.7411**	**.00009**	**.1227**	**.02183**
Stddev	.00012	.0118	.00011	.0083	.00013
%RSD	5.0806	.17530	116.31	6.790	.57633
#1	.00240	6.7328	.00017	.1168	.02174
#2	.00223	6.7495	.00002	.1285	.02192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04749**	**.06784**	**67.014**	**6.4923**	**.06187**
Stddev	.00088	.00073	.124	.0224	.00014
%RSD	1.8451	1.0751	.18531	.34486	.22712
#1	.04811	.06733	67.102	6.5082	.06177
#2	.04687	.06836	66.927	6.4765	.06197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-E-3-D Acquired: 3/8/2022 13:26:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**13.969**	**.72297**	**.00325**	**.74529**	**.04312**
Stddev	.044	.00041	.00010	.00242	.00016
%RSD	.31482	.05700	3.2254	.32480	.36223
#1	13.938	.72268	.00317	.74701	.04301
#2	14.000	.72326	.00332	.74358	.04323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.55**	**.02870**	**.25611**	**.01201**	**.00434**
Stddev	.00	.00011	.00129	.00017	.00113
%RSD	.0069	.39962	.50485	1.4372	26.014
#1	25.55	.02862	.25702	.01189	.00514
#2	25.55	.02878	.25519	.01213	.00354
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.2355**	**.00149**	**.02931**	**1.039**	**2.5441**
Stddev	.0405	.00004	.00006	.001	.0064
%RSD	1.8094	2.9671	.20674	.1261	.25318
#1	2.2641	.00152	.02927	1.040	2.5395
#2	2.2069	.00146	.02935	1.038	2.5487
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-E-3-D Acquired: 3/8/2022 13:26:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00387	.10577	.11168	1.011
Stddev	.00039	.00025	.00039	.000
%RSD	10.202	.23747	.34603	.0001
#1	-.00359	.10559	.11141	1.011
#2	-.00415	.10594	.11196	1.011
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4129.0	3158.3	28892.	2902.8
Stddev	10.9	6.6	82.	13.5
%RSD	.26436	.21004	.28238	.46551
#1	4121.3	3153.6	28950.	2893.2
#2	4136.7	3163.0	28834.	2912.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.004%	100.89%	101.67%	106.65%
Range				

Sample Name: 620-3081-D-4-E Acquired: 3/8/2022 13:30:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00213	60.573	.02700	.03612	.39992
Stddev	.00003	.028	.00100	.00012	.00063
%RSD	1.4188	.04607	3.6894	.33709	.15631
#1	.00216	60.593	.02629	.03603	.40036
#2	.00211	60.553	.02770	.03620	.39948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00221	30.860	.00531	.2775	.03466
Stddev	.00004	.003	.00001	.0173	.00032
%RSD	1.6658	.00942	.22353	6.223	.91497
#1	.00224	30.862	.00530	.2897	.03444
#2	.00218	30.858	.00531	.2652	.03489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.15932	.37216	133.19	9.1727	.08224
Stddev	.00038	.00013	.31	.0724	.00112
%RSD	.24128	.03450	.23539	.78922	1.3665
#1	.15959	.37207	133.41	9.2239	.08145
#2	.15905	.37226	132.96	9.1215	.08304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-4-E Acquired: 3/8/2022 13:30:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**17.654**	**1.2269**	**.01884**	**1.8680**	**.15289**
Stddev	.103	.0056	.00020	.0155	.00023
%RSD	.58103	.45339	1.0506	.83124	.15188
#1	17.726	1.2308	.01898	1.8789	.15305
#2	17.581	1.2230	.01870	1.8570	.15272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.03**	**2.3958**	**4.2311**	**.02591**	**.01056**
Stddev	.00	.0028	.0057	.00127	.00170
%RSD	.0134	.11809	.13550	4.8855	16.071
#1	26.03	2.3938	4.2270	.02681	.01176
#2	26.03	2.3978	4.2351	.02502	.00936
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.9916**	**.03700**	**.13759**	**1.078**	**3.4546**
Stddev	.0318	.00046	.00060	.009	.0081
%RSD	1.0627	1.2345	.43590	.8798	.23369
#1	3.0141	.03667	.13801	1.085	3.4603
#2	2.9692	.03732	.13716	1.071	3.4489
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-4-E Acquired: 3/8/2022 13:30:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00476	.20411	1.2585	1.006
Stddev	.00022	.00125	.0093	.001
%RSD	4.6092	.61308	.73573	.1227
#1	-.00492	.20499	1.2650	1.005
#2	-.00461	.20322	1.2519	1.006
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4042.2	3185.8	29299.	3019.6
Stddev	3.2	1.0	239.	11.4
%RSD	.07873	.03150	.81724	.37734
#1	4044.4	3186.5	29130.	3011.5
#2	4039.9	3185.1	29468.	3027.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.048%	101.77%	103.10%	110.95%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 13:34:14 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.90786	49.301	.99392	.99474	.97116
Stddev	.00069	.192	.00296	.00067	.00171
%RSD	.07601	.38880	.29821	.06707	.17589
#1	.90835	49.165	.99183	.99427	.96995
#2	.90737	49.436	.99602	.99521	.97237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0243	51.029	1.0044	.9890	.97544
Stddev	.0004	.033	.0006	.0159	.00035
%RSD	.04004	.06558	.05440	1.606	.03549
#1	1.0240	51.006	1.0048	1.000	.97568
#2	1.0246	51.053	1.0040	.9777	.97519
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.99395	.99770	47.874	47.789	.99663
Stddev	.00176	.00037	.054	.086	.00018
%RSD	.17681	.03681	.11275	.17913	.01830
#1	.99519	.99744	47.913	47.728	.99650
#2	.99271	.99796	47.836	47.849	.99675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 13:34:14 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	47.839	.97345	1.0010	49.339	.97697
Stddev	.197	.00411	.0005	.028	.00153
%RSD	.41226	.42243	.04894	.05689	.15666
#1	47.978	.97635	1.0013	49.319	.97805
#2	47.699	.97054	1.0006	49.359	.97589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	37.11	.98211	25.282	1.0112	.98657
Stddev	.00	.00208	.028	.0023	.00538
%RSD	.0009	.21141	.10990	.23187	.54562
#1	37.11	.98358	25.301	1.0128	.98276
#2	37.11	.98064	25.262	1.0095	.99037
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.9173	.97664	.99463	1.474	1.0182
Stddev	.0700	.00011	.00155	.003	.0007
%RSD	.70612	.01169	.15586	.1974	.07260
#1	9.8678	.97656	.99353	1.476	1.0187
#2	9.9668	.97673	.99572	1.472	1.0177
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 13:34:14 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.97036	.92288	.91163	1.460
Stddev	.00263	.00122	.00882	.001
%RSD	.27060	.13206	.96785	.0428
#1	.96851	.92375	.91787	1.460
#2	.97222	.92202	.90539	1.460
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3859.8	2957.6	26681.	2677.1
Stddev	4.4	2.8	121.	5.4
%RSD	.11409	.09388	.45515	.20350
#1	3856.7	2955.6	26595.	2680.9
#2	3863.0	2959.5	26767.	2673.2

Sample Name: CCB-6880245 Acquired: 3/8/2022 13:37:46 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**-.01627**	**.00031**	**-.00015**	**-.00014**
Stddev	.00002	.05510	.00009	.00018	.00002
%RSD	3.7959	338.72	27.264	120.39	11.936
#1	-.00060	-.05523	.00037	-.00002	-.00013
#2	-.00056	.02269	.00025	-.00028	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00134**	**-.00012**	**.0376**	**-.00004**
Stddev	.00008	.00066	.00007	.0086	.00000
%RSD	293.14	48.990	53.473	22.94	13.082
#1	-.00008	-.00088	-.00008	.0315	-.00003
#2	.00003	-.00180	-.00017	.0436	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00027**	**.00303**	**.02388**	**-.00066**
Stddev	.00016	.00018	.00240	.01879	.00012
%RSD	1424.2	66.916	79.091	78.681	18.639
#1	-.00010	-.00040	.00134	.01060	-.00075
#2	.00013	-.00014	.00473	.03717	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 13:37:46 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**-.00003**	**.00124**	**-.01293**	**-.00009**
Stddev	.00011	.00004	.00025	.00573	.00029
%RSD	5.9477	105.45	20.039	44.317	330.53
#1	-.00195	-.00001	.00106	-.01698	.00012
#2	-.00180	-.00006	.00141	-.00888	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00011**	**-.00591**	**-.00014**	**.00112**
Stddev	.00	.00035	.00177	.00110	.00186
%RSD	.0002	317.80	29.935	764.76	166.44
#1	25.01	-.00036	-.00466	.00064	-.00020
#2	25.01	.00014	-.00716	-.00093	.00243
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.02978**	**-.00012**	**-.00004**	**1.005**	**-.00002**
Stddev	.00183	.00016	.00000	.009	.00056
%RSD	6.1299	126.37	9.8940	.8562	2230.7
#1	-.02849	-.00024	-.00005	.9993	.00037
#2	-.03107	-.00001	-.00004	1.012	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 13:37:46 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00038	-.00035	.00004	1.001
Stddev	.00013	.00060	.00029	.000
%RSD	33.571	170.59	673.44	.0144
#1	.00029	-.00078	.00025	1.001
#2	.00047	.00007	-.00016	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4398.1	3056.0	28041.	2700.7
Stddev	5.4	4.0	136.	23.0
%RSD	.12316	.13162	.48513	.85153
#1	4401.9	3058.8	28137.	2716.9
#2	4394.2	3053.1	27944.	2684.4

Sample Name: CCVL-6882776 Acquired: 3/8/2022 13:41:36 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.17266**	**.01346**	**.02027**	**.00189**
Stddev	.00022	.01342	.00043	.00018	.00005
%RSD	4.0702	7.7751	3.2306	.90306	2.8448
#1	.00524	.18215	.01377	.02040	.00185
#2	.00555	.16317	.01315	.02014	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**.50957**	**.00188**	**.0194**	**.00366**
Stddev	.00008	.00236	.00001	.0283	.00011
%RSD	3.5801	.46396	.60150	145.9	3.1247
#1	.00215	.50790	.00187	.0395	.00374
#2	.00205	.51124	.00188	-.0006	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**.01010**	**.05129**	**.45417**	**.02706**
Stddev	.00006	.00008	.00113	.00980	.00017
%RSD	1.5427	.79680	2.2034	2.1579	.63590
#1	.00389	.01004	.05209	.44724	.02719
#2	.00380	.01015	.05050	.46110	.02694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 13:41:36 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18737	.00298	.01057	.95462	.00931
Stddev	.00149	.00004	.00005	.01504	.00013
%RSD	.79524	1.3943	.51343	1.5751	1.4173
#1	.18632	.00301	.01053	.94399	.00922
#2	.18843	.00295	.01060	.96525	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00958	.18251	.02080	.02512
Stddev	.00	.00019	.00174	.00041	.00247
%RSD	.0029	1.9597	.95561	1.9951	9.8236
#1	25.00	.00971	.18374	.02050	.02337
#2	25.00	.00944	.18128	.02109	.02686
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47327	.00920	.00493	F 1.002	.00450
Stddev	.00399	.00046	.00002	.004	.00030
%RSD	.84310	4.9611	.34763	.4098	6.6515
#1	.47609	.00888	.00494	1.005	.00429
#2	.47045	.00952	.00492	.9989	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 13:41:36 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01947	.00442	.00932	F 1.000
Stddev	.00119	.00007	.00035	.003
%RSD	6.1151	1.5699	3.7447	.2522
#1	.01863	.00446	.00956	1.002
#2	.02031	.00437	.00907	.9984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4351.7	3052.8	28092.	2719.8
Stddev	.7	.1	44.	9.6
%RSD	.01546	.00397	.15807	.35311
#1	4352.2	3052.8	28123.	2713.0
#2	4351.2	3052.7	28060.	2726.6

Sample Name: 620-3081-D-5-E Acquired: 3/8/2022 13:45:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	79.725	.04148	.02668	.19514
Stddev	.00062	.307	.00122	.00047	.00033
%RSD	1243.5	.38470	2.9530	1.7569	.16709
#1	-.00039	79.942	.04061	.02635	.19491
#2	.00048	79.508	.04234	.02701	.19537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00302	10.963	.00094	.3591	.02599
Stddev	.00004	.003	.00002	.0314	.00023
%RSD	1.2160	.02318	2.2614	8.745	.88359
#1	.00299	10.965	.00095	.3369	.02615
#2	.00305	10.962	.00092	.3813	.02583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10535	.11359	110.54	6.3043	.09316
Stddev	.00066	.00036	.08	.0450	.00101
%RSD	.62858	.31372	.07025	.71380	1.0883
#1	.10489	.11333	110.60	6.3361	.09387
#2	.10582	.11384	110.49	6.2725	.09244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-5-E Acquired: 3/8/2022 13:45:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**15.399**	**.79288**	**.00644**	**.54175**	**.06820**
Stddev	.017	.00024	.00004	.00395	.00019
%RSD	.10899	.03062	.55721	.72949	.28314
#1	15.411	.79305	.00641	.54455	.06834
#2	15.387	.79271	.00646	.53896	.06806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.30**	**.57821**	**2.5712**	**.01810**	**.01166**
Stddev	.00	.00132	.0043	.00261	.00216
%RSD	.0050	.22755	.16802	14.409	18.558
#1	26.30	.57914	2.5743	.01995	.01013
#2	26.30	.57728	2.5682	.01626	.01319
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.0731**	**.00785**	**.06832**	**1.051**	**3.1797**
Stddev	.0151	.00026	.00037	.005	.0003
%RSD	.37069	3.3315	.53492	.4466	.00918
#1	4.0624	.00804	.06806	1.054	3.1799
#2	4.0837	.00767	.06858	1.047	3.1795
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3081-D-5-E Acquired: 3/8/2022 13:45:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00615	.17325	.36634	1.005
Stddev	.00017	.00077	.00142	.000
%RSD	2.8445	.44239	.38881	.0235
#1	-.00627	.17271	.36735	1.005
#2	-.00602	.17379	.36533	1.005
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4040.3	3197.4	29283.	3006.7
Stddev	.2	.2	12.	1.3
%RSD	.00605	.00518	.04071	.04257
#1	4040.1	3197.5	29275.	3007.6
#2	4040.5	3197.3	29292.	3005.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.005%	102.14%	103.04%	110.47%
Range				

Sample Name: 480-195480-A-1-B Acquired: 3/8/2022 13:49:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00066	141.91	.09821	.08728	.89380
Stddev	.00034	.08	.00008	.00007	.00091
%RSD	51.462	.05781	.08296	.07953	.10224
#1	.00090	141.97	.09815	.08723	.89445
#2	.00042	141.85	.09827	.08733	.89316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00753	190.52	.00142	.1518	.14032
Stddev	.00008	.34	.00007	.0066	.00003
%RSD	1.0870	.18006	4.8456	4.344	.01947
#1	.00747	190.27	.00146	.1471	.14031
#2	.00759	190.76	.00137	.1564	.14034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21881	.38248	279.29	30.351	.26205
Stddev	.00008	.00008	.34	.051	.00001
%RSD	.03481	.02093	.12058	.16766	.00445
#1	.21875	.38253	279.05	30.315	.26206
#2	.21886	.38242	279.53	30.387	.26204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195480-A-1-B Acquired: 3/8/2022 13:49:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**84.532**	**7.9465**	**.01196**	**1.8960**	**.38204**
Stddev	.195	.0201	.00000	.0046	.00098
%RSD	.23089	.25329	.03282	.24259	.25686
#1	84.670	7.9607	.01197	1.8927	.38274
#2	84.394	7.9322	.01196	1.8992	.38135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.54**	**.22421**	**4.5236**	**.04834**	**.02150**
Stddev	.01	.00256	.0056	.00105	.00083
%RSD	.0198	1.1406	.12321	2.1725	3.8797
#1	26.53	.22602	4.5197	.04909	.02091
#2	26.54	.22240	4.5275	.04760	.02209
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.1713**	**.00591**	**.53580**	**1.146**	**.54748**
Stddev	.0442	.00003	.00028	.004	.00191
%RSD	.54041	.49125	.05228	.3780	.34900
#1	8.2025	.00593	.53600	1.149	.54613
#2	8.1400	.00589	.53560	1.143	.54883
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195480-A-1-B Acquired: 3/8/2022 13:49:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00775	.26378	.98393	1.037
Stddev	.00077	.00097	.00696	.001
%RSD	9.9617	.36860	.70783	.0580
#1	-.00720	.26446	.98885	1.037
#2	-.00830	.26309	.97900	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3591.8	3323.0	30036.	3226.3
Stddev	7.0	1.5	154.	3.7
%RSD	.19562	.04447	.51306	.11355
#1	3586.8	3321.9	29927.	3223.7
#2	3596.8	3324.0	30145.	3228.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.903%	106.15%	105.69%	118.54%
Range				

Sample Name: 480-195480-A-4-B Acquired: 3/8/2022 13:52:46 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00250	117.89	.18637	.08115	1.0978
Stddev	.00068	.22	.00113	.00006	.0021
%RSD	27.151	.18610	.60428	.07889	.19529
#1	.00202	118.05	.18557	.08120	1.0993
#2	.00298	117.74	.18716	.08111	1.0963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00642	131.53	.00169	.3311	.09207
Stddev	.00001	.47	.00005	.0056	.00040
%RSD	.10023	.35393	3.0772	1.695	.43800
#1	.00643	131.86	.00172	.3350	.09236
#2	.00642	131.21	.00165	.3271	.09179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19030	.34477	195.55	25.487	.19376
Stddev	.00013	.00010	.92	.044	.00151
%RSD	.06936	.02795	.47059	.17443	.77810
#1	.19040	.34484	196.20	25.519	.19483
#2	.19021	.34470	194.90	25.456	.19270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195480-A-4-B Acquired: 3/8/2022 13:52:46 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**44.453**	**3.1469**	**.00650**	**3.6919**	**.24659**
Stddev	.023	.0027	.00001	.0055	.00030
%RSD	.05222	.08646	.13310	.14854	.12271
#1	44.436	3.1488	.00651	3.6881	.24681
#2	44.469	3.1450	.00650	3.6958	.24638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.57**	**.86193**	**8.5654**	**.03933**	**.01569**
Stddev	.00	.00217	.0197	.00108	.00132
%RSD	.0085	.25130	.23024	2.7382	8.4167
#1	26.57	.86040	8.5515	.04009	.01475
#2	26.57	.86346	8.5794	.03857	.01662
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.4060**	**.03180**	**.42688**	**1.110**	**1.4877**
Stddev	.0042	.00025	.00171	.001	.0096
%RSD	.06586	.77366	.40110	.0635	.64510
#1	6.4030	.03162	.42810	1.111	1.4809
#2	6.4089	.03197	.42567	1.110	1.4945
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195480-A-4-B Acquired: 3/8/2022 13:52:46 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00631	.24597	.90895	1.033
Stddev	.00046	.00168	.00211	.002
%RSD	7.2494	.68486	.23261	.1774
#1	-.00663	.24716	.91045	1.034
#2	-.00599	.24478	.90746	1.031
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3757.8	3310.6	30111.	3186.3
Stddev	10.0	8.1	56.	4.9
%RSD	.26676	.24449	.18610	.15276
#1	3750.8	3304.9	30072.	3182.8
#2	3764.9	3316.3	30151.	3189.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.643%	105.75%	105.96%	117.07%
Range				

Sample Name: 480-195514-A-1-B Acquired: 3/8/2022 13:56:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**41.335**	**.01876**	**.08018**	**.13180**
Stddev	.00004	.030	.00106	.00072	.00005
%RSD	24.483	.07304	5.6260	.89706	.03508
#1	.00021	41.357	.01951	.07968	.13177
#2	.00014	41.314	.01802	.08069	.13183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00192**	**436.49**	**.00022**	**.2636**	**.04103**
Stddev	.00002	.20	.00006	.0053	.00011
%RSD	.98478	.04586	26.539	1.998	.28006
#1	.00194	436.34	.00026	.2598	.04095
#2	.00191	436.63	.00018	.2673	.04111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05474**	**.14627**	**71.049**	**14.201**	**.08920**
Stddev	.00004	.00014	.029	.052	.00001
%RSD	.07453	.09584	.04149	.36554	.00622
#1	.05472	.14637	71.029	14.164	.08920
#2	.05477	.14617	71.070	14.237	.08921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-1-B Acquired: 3/8/2022 13:56:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**169.14**	**2.6052**	**.00036**	**1.0673**	**.06842**
Stddev	.57	.0046	.00010	.0098	.00007
%RSD	.33425	.17654	27.971	.92266	.09607
#1	168.74	2.6019	.00043	1.0603	.06837
#2	169.54	2.6084	.00029	1.0743	.06847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.77**	**.04400**	**.57272**	**.01121**	**.00627**
Stddev	.00	.00114	.00061	.00124	.00113
%RSD	.0014	2.5868	.10597	11.066	18.033
#1	26.77	.04480	.57315	.01208	.00707
#2	26.77	.04319	.57229	.01033	.00547
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.9109**	**.00268**	**.41436**	**1.040**	**1.1899**
Stddev	.0791	.00054	.00015	.004	.0093
%RSD	.88814	20.173	.03584	.3964	.78025
#1	8.8549	.00230	.41426	1.037	1.1965
#2	8.9668	.00306	.41447	1.043	1.1834
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-1-B Acquired: 3/8/2022 13:56:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00407	.08818	.16015	1.026
Stddev	.00117	.00018	.00185	.001
%RSD	28.758	.20059	1.1570	.0532
#1	-.00324	.08805	.15884	1.027
#2	-.00489	.08830	.16146	1.026
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3506.6	3041.7	27968.	2957.0
Stddev	5.5	5.8	50.	2.4
%RSD	.15827	.19099	.17820	.08087
#1	3510.5	3045.8	27932.	2955.3
#2	3502.7	3037.6	28003.	2958.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.984%	97.163%	98.413%	108.65%
Range				

Sample Name: 480-195514-A-2-B Acquired: 3/8/2022 14:00:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**22.272**	**.01377**	**.03607**	**.07415**
Stddev	.00043	.123	.00168	.00016	.00019
%RSD	2410.3	.55408	12.216	.43231	.26063
#1	-.00032	22.185	.01496	.03618	.07401
#2	.00029	22.359	.01258	.03596	.07429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**302.40**	**.00049**	**.2603**	**.03585**
Stddev	.00002	2.32	.00011	.0330	.00018
%RSD	1.4677	.76696	23.138	12.67	.51254
#1	.00136	304.04	.00057	.2836	.03598
#2	.00134	300.76	.00041	.2369	.03572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03634**	**.17280**	**54.493**	**6.9773**	**.04641**
Stddev	.00000	.00014	.301	.0472	.00035
%RSD	.00371	.08310	.55194	.67642	.76379
#1	.03634	.17270	54.281	6.9439	.04616
#2	.03634	.17290	54.706	7.0106	.04666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-2-B Acquired: 3/8/2022 14:00:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**69.274**	**1.5305**	**.00079**	**.77522**	**.04272**
Stddev	.250	.0034	.00001	.00898	.00022
%RSD	.36078	.22241	1.3941	1.1586	.52200
#1	69.097	1.5281	.00080	.76887	.04288
#2	69.451	1.5329	.00078	.78157	.04257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.33**	**.03713**	**.57607**	**.00952**	**.00234**
Stddev	.00	.00139	.00011	.00042	.00036
%RSD	.0059	3.7313	.01975	4.3631	15.567
#1	26.33	.03615	.57615	.00981	.00208
#2	26.33	.03811	.57599	.00922	.00260
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.5432**	**.00230**	**.34581**	**1.034**	**1.4114**
Stddev	.1572	.00061	.00141	.008	.0097
%RSD	2.4020	26.455	.40649	.7478	.68953
#1	6.4321	.00273	.34482	1.039	1.4045
#2	6.6544	.00187	.34681	1.028	1.4183
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-2-B Acquired: 3/8/2022 14:00:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00436	.07226	.13927	1.021
Stddev	.00074	.00008	.00048	.001
%RSD	17.022	.10681	.34275	.0776
#1	-.00383	.07221	.13893	1.022
#2	-.00488	.07232	.13961	1.020
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3711.4	3069.0	28090.	2903.0
Stddev	2.4	.8	19.	8.8
%RSD	.06407	.02702	.06783	.30209
#1	3713.1	3068.4	28077.	2909.2
#2	3709.8	3069.6	28104.	2896.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.598%	98.036%	98.844%	106.66%
Range				

Sample Name: 480-195514-A-3-B Acquired: 3/8/2022 14:03:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00051	27.280	.01462	.04747	.08528
Stddev	.00058	.133	.00115	.00042	.00021
%RSD	112.90	.48623	7.8615	.89081	.24183
#1	.00092	27.187	.01543	.04776	.08543
#2	.00010	27.374	.01381	.04717	.08514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00125	342.79	.00037	.2449	.03695
Stddev	.00007	2.41	.00005	.0058	.00010
%RSD	5.6990	.70257	13.823	2.373	.26795
#1	.00120	344.49	.00040	.2408	.03688
#2	.00130	341.09	.00033	.2490	.03702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04473	.14750	52.322	8.6718	.06141
Stddev	.00026	.00012	.068	.0503	.00173
%RSD	.59110	.08001	.13075	.57992	2.8212
#1	.04491	.14742	52.273	8.7074	.06019
#2	.04454	.14759	52.370	8.6362	.06264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-3-B Acquired: 3/8/2022 14:03:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**109.95**	**2.0449**	**.00117**	**.72398**	**.05188**
Stddev	.04	.0001	.00023	.00624	.00010
%RSD	.03286	.00580	19.676	.86181	.19339
#1	109.93	2.0449	.00101	.72840	.05181
#2	109.98	2.0450	.00134	.71957	.05195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.48**	**.03766**	**.52443**	**.00858**	**.00200**
Stddev	.00	.00010	.00354	.00045	.00071
%RSD	.0082	.25836	.67516	5.2108	35.410
#1	26.48	.03773	.52192	.00827	.00150
#2	26.48	.03760	.52693	.00890	.00250
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.4992**	**.00181**	**.36060**	**1.033**	**.89374**
Stddev	.0520	.00013	.00081	.003	.00242
%RSD	.94535	7.1018	.22484	.2374	.27079
#1	5.5359	.00172	.36118	1.031	.89203
#2	5.4624	.00190	.36003	1.035	.89545
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-3-B Acquired: 3/8/2022 14:03:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00391	.06653	.15748	1.019
Stddev	.00103	.00004	.00011	.000
%RSD	26.443	.05350	.07264	.0129
#1	-.00318	.06656	.15740	1.019
#2	-.00464	.06651	.15756	1.019
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3637.2	3042.2	27907.	2910.8
Stddev	5.0	8.0	14.	14.0
%RSD	.13702	.26189	.05010	.48262
#1	3633.7	3036.6	27917.	2900.9
#2	3640.8	3047.8	27897.	2920.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.927%	97.179%	98.199%	106.95%
Range				

Sample Name: 480-195514-A-4-B Acquired: 3/8/2022 14:07:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**33.337**	**.01535**	**.06330**	**.13515**
Stddev	.00018	.062	.00022	.00006	.00020
%RSD	54.489	.18610	1.4346	.09068	.14763
#1	.00021	33.293	.01520	.06326	.13501
#2	.00047	33.381	.01551	.06334	.13529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**394.35**	**.00036**	**.2401**	**.03700**
Stddev	.00004	1.67	.00001	.0206	.00011
%RSD	2.5626	.42393	3.7449	8.591	.29795
#1	.00156	395.53	.00035	.2547	.03692
#2	.00151	393.16	.00037	.2256	.03708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04901**	**.12931**	**65.095**	**11.729**	**.07352**
Stddev	.00025	.00003	.060	.001	.00151
%RSD	.51342	.02036	.09232	.01126	2.0592
#1	.04919	.12930	65.137	11.730	.07459
#2	.04884	.12933	65.052	11.728	.07245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-4-B Acquired: 3/8/2022 14:07:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**156.83**	**2.5236**	**.00021**	**3.0968**	**.06203**
Stddev	.59	.0056	.00016	.0041	.00027
%RSD	.37488	.22064	78.703	.13201	.44119
#1	156.41	2.5196	.00009	3.0940	.06223
#2	157.25	2.5275	.00032	3.0997	.06184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.75**	**.03715**	**.57992**	**.01012**	**.00349**
Stddev	.01	.00024	.00044	.00038	.00189
%RSD	.0227	.64639	.07521	3.7645	54.167
#1	26.75	.03732	.57961	.01038	.00482
#2	26.76	.03698	.58023	.00985	.00215
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.2237**	**.00242**	**.37928**	**1.035**	**.91576**
Stddev	.0436	.00053	.00120	.013	.00746
%RSD	.70110	21.969	.31567	1.237	.81486
#1	6.1928	.00204	.38013	1.026	.92104
#2	6.2545	.00280	.37843	1.044	.91049
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195514-A-4-B Acquired: 3/8/2022 14:07:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00418	.08037	.15007	1.023
Stddev	.00018	.00029	.00077	.001
%RSD	4.2952	.36292	.51382	.0871
#1	-.00431	.08057	.15062	1.022
#2	-.00406	.08016	.14953	1.023
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3540.3	3039.0	27974.	2956.7
Stddev	1.9	2.7	32.	3.3
%RSD	.05504	.08967	.11554	.11075
#1	3541.7	3041.0	27997.	2954.4
#2	3538.9	3037.1	27951.	2959.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	79.743%	97.078%	98.436%	108.63%
Range				

Sample Name: 480-195465-B-7-C Acquired: 3/8/2022 14:11:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**67.085**	**.09072**	**.04168**	**.48673**
Stddev	.00021	.075	.00021	.00026	.00122
%RSD	121.36	.11149	.22742	.62770	.25131
#1	.00033	67.137	.09057	.04186	.48586
#2	.00003	67.032	.09087	.04149	.48759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**239.95**	**.00111**	**.2986**	**.05329**
Stddev	.00005	.46	.00003	.0109	.00045
%RSD	1.5521	.19134	2.7469	3.643	.83980
#1	.00334	240.27	.00109	.2909	.05298
#2	.00327	239.62	.00113	.3062	.05361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.08813**	**.16740**	**151.05**	**12.815**	**.13320**
Stddev	.00035	.00020	1.03	.020	.00021
%RSD	.39731	.11707	.68048	.15231	.15992
#1	.08788	.16754	151.78	12.829	.13335
#2	.08838	.16726	150.32	12.801	.13305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195465-B-7-C Acquired: 3/8/2022 14:11:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**65.621**	**4.6084**	**.00698**	**1.8745**	**.12845**
Stddev	.221	.0182	.00008	.0050	.00047
%RSD	.33739	.39418	1.0867	.26531	.36310
#1	65.778	4.6213	.00703	1.8710	.12812
#2	65.464	4.5956	.00692	1.8780	.12878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.61**	**.17065**	**2.0519**	**.02657**	**.01180**
Stddev	.00	.00173	.0029	.00194	.00030
%RSD	.0074	1.0131	.14035	7.3038	2.5835
#1	26.60	.16943	2.0499	.02794	.01159
#2	26.61	.17188	2.0540	.02520	.01202
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.0666**	**.00435**	**.24092**	**1.079**	**.50055**
Stddev	.0619	.00003	.00115	.006	.00675
%RSD	.87667	.72040	.47637	.5299	1.3484
#1	7.1104	.00433	.24173	1.083	.50532
#2	7.0228	.00437	.24010	1.075	.49578
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195465-B-7-C Acquired: 3/8/2022 14:11:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00561	.12176	.60647	1.024
Stddev	.00023	.00177	.00020	.000
%RSD	4.1202	1.4536	.03260	.0225
#1	-.00578	.12301	.60661	1.024
#2	-.00545	.12051	.60633	1.024
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3681.7	3262.2	29762.	3162.5
Stddev	1.6	3.1	60.	17.3
%RSD	.04453	.09631	.20109	.54579
#1	3680.6	3260.0	29720.	3150.3
#2	3682.9	3264.4	29804.	3174.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.929%	104.21%	104.73%	116.20%
Range				

Sample Name: MB 480-616737/1-A Acquired: 3/8/2022 14:15:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.02662**	**-.00154**	**-.00159**	**-.00003**
Stddev	.00110	.00796	.00098	.00017	.00003
%RSD	166.88	29.892	63.431	10.774	102.24
#1	-.00143	-.02099	-.00224	-.00171	-.00005
#2	.00012	-.03224	-.00085	-.00147	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.08100**	**.00003**	**.0259**	**-.00012**
Stddev	.00003	.00300	.00002	.0483	.00001
%RSD	36.331	3.7027	59.157	186.4	5.5214
#1	-.00012	.08312	.00004	.0601	-.00011
#2	-.00007	.07888	.00002	-.0082	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00313**	**.02457**	**.00526**	**-.00069**
Stddev	.00007	.00010	.00075	.03138	.00078
%RSD	125.66	3.1293	3.0694	596.74	113.86
#1	.00011	.00306	.02510	.02745	-.00013
#2	.00001	.00320	.02403	-.01693	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-616737/1-A Acquired: 3/8/2022 14:15:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.00086**	**.00003**	**.01360**	**-.00004**
Stddev	.00043	.00003	.00000	.00845	.00002
%RSD	12.066	3.5503	2.4797	62.154	45.543
#1	.00390	.00084	.00003	.00762	-.00005
#2	.00328	.00089	.00003	.01957	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00062**	**.00990**	**-.00003**	**-.00232**
Stddev	.00	.00005	.00020	.00039	.00070
%RSD	.0025	7.5929	1.9842	1398.4	30.310
#1	25.01	-.00059	.01004	.00025	-.00281
#2	25.01	-.00065	.00976	-.00030	-.00182
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18582**	**.00477**	**.00017**	**.9965**	**.00019**
Stddev	.02573	.00037	.00002	.0013	.00063
%RSD	13.846	7.8085	12.835	.1261	337.75
#1	.16762	.00504	.00018	.9956	.00063
#2	.20401	.00451	.00015	.9974	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-616737/1-A Acquired: 3/8/2022 14:15:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00132	.00001	.00435	1.000
Stddev	.00005	.00049	.00031	.001
%RSD	3.8546	4976.2	7.0485	.0982
#1	-.00128	.00036	.00456	1.001
#2	-.00135	-.00034	.00413	.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4387.6	3049.4	28335.	2749.9
Stddev	7.6	3.0	120.	14.3
%RSD	.17247	.09771	.42509	.52000
#1	4382.2	3047.3	28250.	2739.8
#2	4392.9	3051.5	28420.	2760.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.828%	97.409%	99.705%	101.04%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 14:19:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.90754	48.820	.98712	.98623	.96686
Stddev	.00124	.011	.00138	.00006	.00235
%RSD	.13706	.02219	.13936	.00576	.24259
#1	.90842	48.812	.98810	.98627	.96520
#2	.90666	48.827	.98615	.98619	.96852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0194	50.617	.99606	1.000	.96709
Stddev	.0026	.096	.00047	.010	.00042
%RSD	.25116	.18915	.04736	.9804	.04379
#1	1.0176	50.549	.99639	.9933	.96739
#2	1.0212	50.685	.99573	1.007	.96679
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.98725	.99139	47.494	47.560	.98778
Stddev	.00262	.00023	.296	.227	.00095
%RSD	.26578	.02292	.62220	.47651	.09579
#1	.98539	.99123	47.285	47.400	.98845
#2	.98910	.99155	47.703	47.721	.98711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 14:19:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**47.444**	**.96597**	**.99432**	**49.050**	**.96674**
Stddev	.088	.00174	.00010	.066	.00098
%RSD	.18457	.18004	.01031	.13545	.10146
#1	47.506	.96720	.99425	49.003	.96605
#2	47.382	.96474	.99440	49.097	.96744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.01**	**.97266**	**24.988**	**1.0011**	**.98144**
Stddev	.01	.00029	.015	.0021	.00672
%RSD	.0204	.03013	.06046	.21220	.68508
#1	37.01	.97286	24.978	1.0026	.97669
#2	37.02	.97245	24.999	.99962	.98619
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.8698**	**.96803**	**.98936**	**1.473**	**1.0099**
Stddev	.0304	.00064	.00265	.018	.0009
%RSD	.30821	.06619	.26761	1.209	.09165
#1	9.8483	.96848	.98749	1.461	1.0105
#2	9.8913	.96758	.99123	1.486	1.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 14:19:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.96232	.92242	.90401	1.461
Stddev	.00245	.00459	.00219	.005
%RSD	.25416	.49726	.24233	.3274
#1	.96059	.92566	.90556	1.458
#2	.96405	.91917	.90246	1.465
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3888.9	2978.1	26825.	2703.6
Stddev	3.3	.6	116.	5.4
%RSD	.08475	.02122	.43331	.20124
#1	3886.5	2977.6	26743.	2707.4
#2	3891.2	2978.5	26908.	2699.7

Sample Name: CCB-6880245 Acquired: 3/8/2022 14:22:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00424**	**.00020**	**-.00058**	**-.00013**
Stddev	.00016	.00297	.00123	.00003	.00003
%RSD	28.836	70.049	602.01	4.9287	22.335
#1	-.00069	.00214	-.00066	-.00060	-.00011
#2	-.00046	.00635	.00107	-.00056	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00659**	**-.00021**	**.0257**	**-.00017**
Stddev	.00007	.00058	.00003	.0054	.00002
%RSD	160.46	8.8485	13.256	20.95	14.422
#1	.00009	.00700	-.00023	.0219	-.00018
#2	-.00001	.00618	-.00019	.0295	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00035**	**.00325**	**.06300**	**.00036**
Stddev	.00023	.00008	.00111	.05303	.00202
%RSD	197.24	23.391	34.142	84.171	555.10
#1	.00005	-.00029	.00404	.10050	-.00106
#2	-.00028	-.00041	.00247	.02550	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 14:22:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**-.00004**	**.00120**	**.00022**	**-.00007**
Stddev	.00076	.00009	.00012	.00875	.00011
%RSD	100.73	215.24	10.333	4001.4	159.90
#1	-.00022	.00002	.00111	.00640	-.00014
#2	-.00129	-.00010	.00129	-.00597	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00024**	**-.00756**	**.00012**	**.00089**
Stddev	.00	.00080	.00086	.00012	.00243
%RSD	.0015	332.55	11.434	92.698	271.54
#1	25.01	.00032	-.00695	.00004	-.00082
#2	25.01	-.00080	-.00817	.00021	.00261
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01545**	**-.00005**	**-.00012**	**1.005**	**.00006**
Stddev	.01228	.00021	.00009	.000	.00038
%RSD	79.457	468.28	79.259	.0230	681.91
#1	-.02413	.00011	-.00005	1.005	-.00021
#2	-.00677	-.00020	-.00018	1.005	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 14:22:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00048	-.00031	-.00058	.9990
Stddev	.00016	.00016	.00024	.0006
%RSD	33.255	52.358	42.077	.0577
#1	.00059	-.00019	-.00075	.9986
#2	.00037	-.00042	-.00040	.9995
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4390.6	3050.2	28093.	2691.7
Stddev	1.2	1.2	113.	1.2
%RSD	.02799	.03869	.40360	.04532
#1	4391.5	3051.1	28173.	2690.8
#2	4389.8	3049.4	28013.	2692.5

Sample Name: CCVL-6882776 Acquired: 3/8/2022 14:26:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00560	.20056	.01428	.01970	.00186
Stddev	.00078	.01632	.00107	.00007	.00005
%RSD	13.994	8.1365	7.4971	.37852	2.5532
#1	.00616	.18902	.01353	.01965	.00182
#2	.00505	.21210	.01504	.01975	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00206	.51949	.00194	.0225	.00360
Stddev	.00000	.00158	.00008	.0105	.00012
%RSD	.21554	.30502	3.9196	46.80	3.2756
#1	.00206	.51837	.00199	.0300	.00352
#2	.00206	.52061	.00188	.0151	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00379	.00983	.05281	.46475	.02905
Stddev	.00003	.00063	.00088	.00108	.00036
%RSD	.68146	6.4224	1.6616	.23328	1.2542
#1	.00381	.01028	.05343	.46398	.02931
#2	.00377	.00939	.05219	.46552	.02879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 14:26:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18873**	**.00296**	**.01047**	**.95878**	**.00961**
Stddev	.00183	.00002	.00018	.00284	.00011
%RSD	.97071	.52566	1.7478	.29634	1.1670
#1	.18743	.00297	.01034	.95677	.00969
#2	.19002	.00295	.01060	.96079	.00953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00962**	**.18086**	**.01928**	**.02385**
Stddev	.00	.00098	.00172	.00035	.00082
%RSD	.0006	10.205	.95040	1.8287	3.4568
#1	25.00	.01032	.17964	.01953	.02443
#2	25.00	.00893	.18208	.01903	.02326
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48156**	**.00918**	**.00499**	F **1.006**	**.00458**
Stddev	.00736	.00014	.00002	.001	.00006
%RSD	1.5282	1.5450	.43995	.0925	1.3814
#1	.47636	.00908	.00500	1.007	.00462
#2	.48677	.00928	.00497	1.005	.00453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 14:26:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01900	.00431	.00910	F .9993
Stddev	.00037	.00029	.00033	.0001
%RSD	1.9446	6.6193	3.5931	.0115
#1	.01874	.00411	.00887	.9992
#2	.01927	.00451	.00933	.9994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4393.8	3060.1	28239.	2707.2
Stddev	3.9	7.1	44.	13.6
%RSD	.08872	.23303	.15450	.50375
#1	4391.1	3055.1	28269.	2716.8
#2	4396.6	3065.1	28208.	2697.5

Sample Name: 195428-3 raw Acquired: 3/8/2022 14:30:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00315	.00840	.82992	.05325
Stddev	.00034	.00396	.00012	.00012	.00011
%RSD	578.43	125.75	1.4862	.01416	.21215
#1	.00030	.00035	.00831	.82983	.05333
#2	-.00018	.00596	.00849	.83000	.05317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	50.779	-.00009	.0239	.00003
Stddev	.00008	.041	.00011	.0355	.00016
%RSD	290.81	.08135	126.25	148.6	463.12
#1	-.00009	50.749	-.00017	-.0012	-.00008
#2	.00003	50.808	-.00001	.0490	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	-.00002	.57239	3.2196	.01053
Stddev	.00036	.00015	.00057	.0397	.00050
%RSD	372.98	815.24	.09998	1.2333	4.7705
#1	.00036	.00009	.57280	3.1915	.01018
#2	-.00016	-.00013	.57199	3.2477	.01089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195428-3 raw Acquired: 3/8/2022 14:30:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.837**	**.03364**	**.08513**	**94.528**	**.00018**
Stddev	.053	.00012	.00486	.226	.00010
%RSD	.28267	.36889	5.7036	.23895	56.269
#1	18.875	.03356	.08856	94.688	.00011
#2	18.799	.03373	.08169	94.368	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00012**	**48.660**	**-.00099**	**.00127**
Stddev	.00	.00103	.067	.00035	.00109
%RSD	.0014	838.59	.13852	35.245	85.975
#1	25.02	-.00061	48.708	-.00074	.00050
#2	25.02	.00085	48.612	-.00123	.00204
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.3268**	**-.00017**	**1.1768**	**1.005**	**.00027**
Stddev	.0074	.00019	.0010	.003	.00013
%RSD	.11654	109.39	.08904	.3401	47.209
#1	6.3216	-.00030	1.1761	1.008	.00036
#2	6.3320	-.00004	1.1776	1.003	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195428-3 raw Acquired: 3/8/2022 14:30:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00088	-.00071	.00020	1.0000
Stddev	.00014	.00007	.00021	.0025
%RSD	15.468	9.7984	105.40	.2532
#1	.00097	-.00076	.00005	.9982
#2	.00078	-.00066	.00036	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4097.4	3026.1	27439.	2771.2
Stddev	8.4	4.2	36.	1.6
%RSD	.20388	.13981	.13164	.05656
#1	4103.3	3029.1	27413.	2772.3
#2	4091.5	3023.1	27465.	2770.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.292%	96.665%	96.553%	101.82%
Range				

Sample Name: 480-195428-C-2-A Acquired: 3/8/2022 15:22:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00037	-.02188	-.00065	.17337	.23318
Stddev	.00080	.01393	.00021	.00117	.00003
%RSD	215.27	63.676	31.923	.67225	.01151
#1	.00019	-.01203	-.00079	.17420	.23316
#2	-.00094	-.03173	-.00050	.17255	.23319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	40.908	.00006	-.0528	-.00017
Stddev	.00002	.193	.00002	.0016	.00002
%RSD	87.597	.47134	27.380	2.990	13.116
#1	.00001	41.044	.00005	-.0517	-.00015
#2	.00004	40.771	.00007	-.0540	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00160	.37043	1.2727	.01137
Stddev	.00014	.00102	.00333	.0522	.00120
%RSD	163.44	63.427	.89819	4.1021	10.583
#1	.00001	-.00088	.37279	1.3097	.01222
#2	-.00018	-.00232	.36808	1.2358	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-C-2-A Acquired: 3/8/2022 15:22:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**22.829**	**.01284**	**.00802**	**14.860**	**-.00036**
Stddev	.046	.00004	.00040	.043	.00022
%RSD	.20123	.32716	5.0302	.29269	60.203
#1	22.797	.01287	.00774	14.891	-.00021
#2	22.862	.01281	.00831	14.829	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00086**	**5.1208**	**-.00007**	**.00049**
Stddev	.00	.00114	.0072	.00236	.00138
%RSD	.0025	132.00	.13988	3254.5	279.94
#1	25.02	.00006	5.1259	-.00174	.00147
#2	25.02	.00167	5.1158	.00160	-.00048
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.0065**	**.00065**	**5.8675**	**1.002**	**.00103**
Stddev	.0153	.00037	.0142	.007	.00050
%RSD	.19100	56.503	.24237	.6768	48.337
#1	8.0174	.00039	5.8775	.9970	.00138
#2	7.9957	.00091	5.8574	1.007	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-C-2-A Acquired: 3/8/2022 15:22:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00019	-.00082	.00074	1.001
Stddev	.00177	.00016	.00000	.000
%RSD	941.07	19.089	.21030	.0266
#1	-.00144	-.00071	.00074	1.001
#2	.00106	-.00093	.00074	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4113.1	2982.9	27552.	2734.6
Stddev	3.0	3.4	86.	9.5
%RSD	.07296	.11530	.31088	.34646
#1	4115.2	2980.5	27612.	2727.9
#2	4111.0	2985.3	27491.	2741.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.645%	95.285%	96.949%	100.47%
Range				

Sample Name: 480-195441-C-1-A Acquired: 3/8/2022 15:26:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.02720	-.00048	.12015	.15386
Stddev	.00071	.00207	.00041	.00019	.00030
%RSD	280.71	7.6129	85.601	.15425	.19486
#1	-.00076	.02574	-.00019	.12002	.15365
#2	.00025	.02867	-.00078	.12028	.15407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	66.860	.00017	.0418	-.00005
Stddev	.00006	.348	.00003	.0361	.00006
%RSD	689.29	.52054	19.457	86.33	128.54
#1	-.00005	66.614	.00015	.0674	-.00009
#2	.00003	67.106	.00020	.0163	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00011	.19430	2.7500	.01501
Stddev	.00028	.00020	.00726	.0136	.00071
%RSD	558.87	176.14	3.7342	.49462	4.7344
#1	.00025	.00003	.18917	2.7404	.01451
#2	-.00015	-.00025	.19943	2.7596	.01551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195441-C-1-A Acquired: 3/8/2022 15:26:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**29.331**	**.00580**	**.00160**	**6.4260**	**-.00027**
Stddev	.026	.00009	.00003	.0331	.00004
%RSD	.08722	1.4751	1.8176	.51505	15.788
#1	29.313	.00574	.00162	6.4026	-.00024
#2	29.349	.00587	.00158	6.4494	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00000**	**6.1943**	**-.00004**	**-.00119**
Stddev	.00	.00170	.0001	.00085	.00115
%RSD	.0021	38397.	.00167	1979.8	96.892
#1	25.01	.00120	6.1944	.00056	-.00200
#2	25.01	-.00121	6.1942	-.00064	-.00037
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.7943**	**-.00040**	**.21241**	**1.002**	**.00075**
Stddev	.0021	.00001	.00106	.000	.00000
%RSD	.05640	3.0509	.49691	.0373	.26249
#1	3.7958	-.00041	.21167	1.002	.00075
#2	3.7928	-.00039	.21316	1.001	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195441-C-1-A Acquired: 3/8/2022 15:26:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00049	-.00087	.00259	1.000
Stddev	.00068	.00002	.00032	.000
%RSD	137.60	2.4736	12.534	.0402
#1	-.00097	-.00086	.00236	1.000
#2	-.00001	-.00089	.00282	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4051.1	2949.2	27116.	2721.4
Stddev	3.0	3.4	2.	18.3
%RSD	.07525	.11367	.00834	.67089
#1	4049.0	2946.8	27117.	2734.3
#2	4053.3	2951.5	27114.	2708.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.249%	94.207%	95.415%	99.989%
Range				

Sample Name: MB 480-617054/1-A Acquired: 3/8/2022 15:30:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.01770**	**-.00136**	**-.00178**	**-.00015**
Stddev	.00019	.02516	.00055	.00012	.00002
%RSD	98.204	142.20	40.071	6.9059	10.916
#1	-.00033	.00010	-.00175	-.00187	-.00014
#2	-.00006	-.03549	-.00098	-.00170	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.02469**	**-.00016**	**-.0147**	**.00003**
Stddev	.00006	.00207	.00004	.0365	.00008
%RSD	72.660	8.3980	25.755	247.8	266.36
#1	.00012	.02323	-.00019	.0111	.00008
#2	.00004	.02616	-.00013	-.0405	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00068**	**.00100**	**.02682**	**-.00011**
Stddev	.00016	.00005	.00002	.01116	.00077
%RSD	59.113	7.2413	2.3980	41.588	692.29
#1	.00016	-.00065	.00102	.01894	-.00065
#2	.00039	-.00071	.00099	.03471	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617054/1-A Acquired: 3/8/2022 15:30:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00219**	**.00029**	**.00009**	**-.00344**	**-.00007**
Stddev	.00039	.00002	.00011	.00625	.00027
%RSD	17.873	6.9557	121.03	181.78	374.58
#1	-.00247	.00030	.00001	.00098	.00012
#2	-.00192	.00028	.00017	-.00785	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00053**	**-.00395**	**-.00092**	**-.00095**
Stddev	.00	.00029	.00211	.00034	.00121
%RSD	.0015	54.186	53.418	36.575	127.73
#1	25.01	-.00033	-.00246	-.00068	-.00180
#2	25.01	-.00073	-.00545	-.00116	-.00009
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01921**	**.00029**	**-.00001**	**1.009**	**-.00002**
Stddev	.00863	.00009	.00021	.004	.00028
%RSD	44.925	30.955	2333.2	.3638	1732.5
#1	-.02531	.00035	.00014	1.006	-.00021
#2	-.01310	.00022	-.00016	1.012	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617054/1-A Acquired: 3/8/2022 15:30:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00007	-.00005	.00028	1.001
Stddev	.00068	.00016	.00030	.000
%RSD	904.82	329.48	106.83	.0178
#1	.00055	.00006	.00049	1.001
#2	-.00040	-.00016	.00007	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4435.2	3086.5	28498.	2776.0
Stddev	6.8	6.0	23.	8.3
%RSD	.15276	.19593	.08235	.29825
#1	4430.4	3082.2	28515.	2770.2
#2	4439.9	3090.8	28481.	2781.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.899%	98.594%	100.28%	102.00%
Range				

Sample Name: LCS 480-617054/2-A Acquired: 3/8/2022 15:33:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04770	10.041	.20874	.20810	.20981
Stddev	.00021	.005	.00027	.00002	.00031
%RSD	.43004	.05429	.13143	.00728	.14798
#1	.04756	10.045	.20855	.20809	.21003
#2	.04785	10.037	.20894	.20811	.20959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21496	10.079	.20476	-.0378	.19506
Stddev	.00069	.034	.00013	.0332	.00009
%RSD	.32143	.33657	.06275	88.02	.04790
#1	.21447	10.055	.20485	-.0613	.19500
#2	.21544	10.103	.20467	-.0143	.19513
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20053	.20276	10.340	9.8123	.20022
Stddev	.00024	.00083	.019	.0188	.00155
%RSD	.12066	.40724	.18384	.19180	.77202
#1	.20036	.20334	10.327	9.7989	.19913
#2	.20070	.20217	10.353	9.8256	.20131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LCS 480-617054/2-A Acquired: 3/8/2022 15:33:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.148**	**.20612**	**.21054**	**9.8562**	**.19558**
Stddev	.010	.00025	.00009	.0059	.00046
%RSD	.09462	.12226	.04287	.06007	.23315
#1	10.141	.20594	.21048	9.8520	.19525
#2	10.155	.20630	.21061	9.8604	.19590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.77**	**.20095**	**9.9374**	**.21843**	**.19963**
Stddev	.00	.00050	.0024	.00054	.00325
%RSD	.0013	.24842	.02411	.24520	1.6261
#1	24.77	.20060	9.9357	.21881	.19733
#2	24.77	.20130	9.9391	.21805	.20192
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.128**	**.19108**	**.20593**	**1.010**	**.20657**
Stddev	.046	.00001	.00019	.001	.00041
%RSD	.45522	.00371	.09215	.1313	.20070
#1	10.095	.19109	.20580	1.009	.20627
#2	10.160	.19108	.20607	1.011	.20686
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LCS 480-617054/2-A Acquired: 3/8/2022 15:33:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20429	.19645	.19262	1.002
Stddev	.00037	.00020	.00005	.001
%RSD	.18329	.10347	.02852	.1080
#1	.20456	.19631	.19266	1.001
#2	.20403	.19660	.19258	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4192.5	3041.6	27873.	2783.5
Stddev	7.6	5.9	8.	2.3
%RSD	.18045	.19430	.02872	.08345
#1	4187.2	3037.4	27867.	2785.1
#2	4197.9	3045.8	27879.	2781.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.434%	97.160%	98.080%	102.27%
Range				

Sample Name: LCSD 480-617054/3-A Acquired: 3/8/2022 15:37:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04692	F 22.632	.20936	F .46359	F .46328
Stddev	.00191	.130	.00218	.00049	.00113
%RSD	4.0729	.57536	1.0397	.10676	.24365
#1	.04827	22.724	.21090	.46394	.46408
#2	.04557	22.539	.20782	.46324	.46249
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit		11.500		.23000	.23000
Low Limit		8.5000		.17000	.17000

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21747	10.310	.20655	-.0064	.19727
Stddev	.00061	.058	.00028	.0228	.00015
%RSD	.28094	.55823	.13456	356.0	.07796
#1	.21790	10.350	.20635	-.0225	.19738
#2	.21703	10.269	.20675	.0097	.19716
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20024	.20161	10.384	F 21.814	.45273
Stddev	.00079	.00044	.039	.147	.00299
%RSD	.39444	.21593	.37740	.67590	.66068
#1	.20080	.20192	10.411	21.919	.45485
#2	.19968	.20130	10.356	21.710	.45062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Sample Name: LCSD 480-617054/3-A Acquired: 3/8/2022 15:37:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.063**	**.20474**	**.20936**	F **22.106**	**.19649**
Stddev	.020	.00001	.00003	.090	.00034
%RSD	.20179	.00410	.01667	.40811	.17497
#1	10.077	.20475	.20939	22.170	.19625
#2	10.048	.20474	.20934	22.042	.19674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**.20268**	**10.277**	**.21951**	**.19921**
Stddev	.00	.00025	.005	.00176	.00166
%RSD	.0021	.12405	.04472	.80210	.83332
#1	24.76	.20286	10.280	.21826	.19804
#2	24.76	.20250	10.274	.22075	.20038
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.075**	**.19317**	F **.45200**	**1.013**	**.20963**
Stddev	.038	.00049	.00186	.003	.00005
%RSD	.38013	.25296	.41145	.2518	.02262
#1	10.048	.19282	.45332	1.014	.20959
#2	10.102	.19351	.45069	1.011	.20966
Check ?	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass
High Limit			.23000		
Low Limit			.17000		

Sample Name: LCSD 480-617054/3-A Acquired: 3/8/2022 15:37:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20121	.19214	.19630	1.001
Stddev	.00129	.00073	.00012	.001
%RSD	.64136	.38242	.06325	.0698
#1	.20212	.19266	.19639	1.001
#2	.20030	.19162	.19621	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4118.2	3015.4	27536.	2747.0
Stddev	3.5	3.2	30.	13.3
%RSD	.08550	.10466	.11048	.48488
#1	4115.7	3013.1	27515.	2737.5
#2	4120.7	3017.6	27558.	2756.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.761%	96.322%	96.894%	100.93%
Range				

Sample Name: 620-3245-F-1-A Acquired: 3/8/2022 15:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.01159	.00042	.12247	.10825
Stddev	.00045	.03291	.00034	.00059	.00027
%RSD	154.89	284.07	82.195	.48386	.25390
#1	-.00003	-.03486	.00066	.12205	.10805
#2	.00061	.01169	.00017	.12289	.10844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	30.821	.00002	.0464	-.00010
Stddev	.00008	.057	.00014	.0245	.00008
%RSD	3153.6	.18398	841.01	52.78	83.291
#1	.00005	30.781	.00011	.0637	-.00016
#2	-.00006	30.861	-.00008	.0291	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00174	.02809	.00884	2.9838	.00182
Stddev	.00009	.00029	.00060	.0134	.00074
%RSD	5.0074	1.0195	6.7415	.45033	40.701
#1	.00180	.02829	.00842	2.9743	.00130
#2	.00168	.02789	.00926	2.9934	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-A Acquired: 3/8/2022 15:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.5316**	**.00162**	**.00200**	**40.107**	**-.00004**
Stddev	.0287	.00009	.00004	.065	.00022
%RSD	.33607	5.2465	1.9967	.16282	510.39
#1	8.5114	.00168	.00198	40.061	.00011
#2	8.5519	.00156	.00203	40.153	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.98**	**.00730**	**5.6446**	**-.00052**	**-.00051**
Stddev	.00	.00007	.0023	.00036	.00042
%RSD	.0008	.95276	.04011	68.337	81.779
#1	24.98	.00735	5.6462	-.00027	-.00081
#2	24.97	.00725	5.6430	-.00077	-.00022
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.2998**	**-.00024**	**.11983**	**1.002**	**-.00003**
Stddev	.0239	.00009	.00004	.000	.00004
%RSD	.32795	39.451	.03143	.0049	134.58
#1	7.2829	-.00031	.11981	1.002	-.00006
#2	7.3167	-.00017	.11986	1.002	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-A Acquired: 3/8/2022 15:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00077	.00020	.00403	.9984
Stddev	.00057	.00003	.00028	.0001
%RSD	74.128	15.544	6.8326	.0090
#1	.00117	.00022	.00422	.9985
#2	.00037	.00018	.00383	.9984
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4128.2	2982.7	27486.	2755.5
Stddev	5.2	4.9	12.	5.5
%RSD	.12665	.16306	.04391	.20018
#1	4131.9	2986.1	27495.	2759.4
#2	4124.5	2979.2	27478.	2751.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.985%	95.278%	96.719%	101.24%
Range				

Sample Name: 620-3245-F-1-ASD@5 Acquired: 3/8/2022 15:44:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00973**	**-.00128**	**.02274**	**.02190**
Stddev	.00023	.00468	.00144	.00003	.00004
%RSD	551.80	48.038	112.62	.15347	.16487
#1	.00012	-.00643	-.00026	.02277	.02187
#2	-.00021	-.01304	-.00229	.02272	.02192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**6.2568**	**-.00012**	**.0400**	**-.00019**
Stddev	.00001	.0022	.00007	.0045	.00014
%RSD	107.85	.03573	62.577	11.17	75.415
#1	-.00001	6.2552	-.00017	.0432	-.00029
#2	-.00000	6.2583	-.00006	.0368	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00458**	**-.00079**	**.56122**	**-.00033**
Stddev	.00009	.00024	.00399	.00449	.00012
%RSD	120.77	5.1659	505.66	.80044	36.246
#1	.00013	.00441	-.00361	.56440	-.00024
#2	.00001	.00474	.00203	.55805	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-ASD@5 Acquired: 3/8/2022 15:44:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7266**	**.00025**	**.00053**	**7.9406**	**.00001**
Stddev	.0070	.00004	.00006	.0158	.00008
%RSD	.40639	15.383	11.449	.19938	729.80
#1	1.7216	.00022	.00058	7.9294	.00007
#2	1.7316	.00028	.00049	7.9518	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**.00132**	**1.0751**	**-.00079**	**-.00205**
Stddev	.00	.00089	.0013	.00162	.00189
%RSD	.0034	67.660	.12170	206.33	92.616
#1	25.00	.00069	1.0742	-.00194	-.00071
#2	25.00	.00195	1.0760	.00036	-.00339
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.4290**	**-.00027**	**.02403**	**1.005**	**-.00016**
Stddev	.0059	.00015	.00014	.002	.00060
%RSD	.41473	54.872	.57733	.1477	363.06
#1	1.4248	-.00017	.02413	1.006	-.00059
#2	1.4332	-.00038	.02393	1.004	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-ASD@5 Acquired: 3/8/2022 15:44:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00022	-.00001	.00087	.9986
Stddev	.00001	.00014	.00032	.0012
%RSD	2.3039	1120.1	37.237	.1245
#1	-.00022	.00009	.00109	.9994
#2	-.00022	-.00011	.00064	.9977
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4293.5	3020.6	27783.	2712.0
Stddev	1.6	2.3	17.	9.3
%RSD	.03813	.07738	.06262	.34242
#1	4294.7	3018.9	27796.	2718.6
#2	4292.4	3022.3	27771.	2705.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.709%	96.489%	97.765%	99.646%
Range				

Sample Name: 620-3245-F-1-APDS Acquired: 3/8/2022 15:48:34 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04803	9.9538	.20802	.32526	.30951
Stddev	.00035	.0447	.00077	.00141	.00013
%RSD	.73882	.44899	.37176	.43442	.04273
#1	.04778	9.9222	.20748	.32426	.30961
#2	.04828	9.9854	.20857	.32626	.30942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21335	39.112	.20414	-.0126	.19537
Stddev	.00011	.064	.00028	.0353	.00017
%RSD	.04965	.16336	.13571	280.7	.08717
#1	.21343	39.067	.20394	.0124	.19525
#2	.21328	39.157	.20434	-.0376	.19549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19953	.22795	10.174	12.627	.19813
Stddev	.00094	.00149	.012	.046	.00051
%RSD	.47275	.65296	.11489	.36228	.25752
#1	.20020	.22690	10.165	12.595	.19849
#2	.19886	.22901	10.182	12.660	.19777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-APDS Acquired: 3/8/2022 15:48:34 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.269**	**.20312**	**.20971**	**48.541**	**.19441**
Stddev	.062	.00059	.00005	.048	.00062
%RSD	.33752	.29238	.02262	.09915	.32092
#1	18.312	.20354	.20967	48.507	.19397
#2	18.225	.20270	.20974	48.575	.19485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.74**	**.20442**	**15.541**	**.21401**	**.19545**
Stddev	.00	.00023	.018	.00021	.00132
%RSD	.0004	.11299	.11639	.09974	.67553
#1	24.74	.20459	15.528	.21386	.19638
#2	24.74	.20426	15.554	.21416	.19451
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.715**	**.19074**	**.31586**	**1.005**	**.20594**
Stddev	.039	.00003	.00024	.015	.00007
%RSD	.23531	.01635	.07534	1.512	.03436
#1	16.687	.19076	.31603	.9943	.20599
#2	16.743	.19072	.31570	1.016	.20589
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-APDS Acquired: 3/8/2022 15:48:34 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20077	.19586	.19454	1.000
Stddev	.00008	.00089	.00188	.001
%RSD	.03905	.45592	.96499	.0910
#1	.20071	.19649	.19587	.9995
#2	.20082	.19523	.19322	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4009.5	2973.6	27077.	2750.5
Stddev	.5	1.9	56.	3.6
%RSD	.01157	.06422	.20501	.13212
#1	4009.1	2974.9	27037.	2753.1
#2	4009.8	2972.2	27116.	2747.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.311%	94.986%	95.277%	101.06%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 15:52:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.94688	48.808	.98541	.99604	.98076
Stddev	.00336	.412	.00313	.00038	.00472
%RSD	.35473	.84509	.31772	.03835	.48145
#1	.94450	48.517	.98763	.99577	.97742
#2	.94925	49.100	.98320	.99631	.98410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0038	49.339	.99912	.9784	.97241
Stddev	.0010	.085	.00029	.0047	.00007
%RSD	.09964	.17193	.02931	.4760	.00719
#1	1.0030	49.279	.99933	.9751	.97246
#2	1.0045	49.398	.99891	.9817	.97236
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.99022	.99315	48.525	48.290	.98708
Stddev	.00207	.00107	.499	.141	.00078
%RSD	.20930	.10814	1.0280	.29289	.07926
#1	.98876	.99391	48.172	48.190	.98653
#2	.99169	.99239	48.878	48.390	.98764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 15:52:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.090**	**.98281**	**1.0063**	**49.008**	**.97590**
Stddev	.003	.00019	.0004	.085	.00005
%RSD	.00547	.01902	.04194	.17372	.00552
#1	48.088	.98268	1.0066	48.948	.97594
#2	48.092	.98294	1.0060	49.069	.97586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.14**	**.97477**	**24.591**	**.99988**	**.98602**
Stddev	.01	.00176	.037	.00107	.00255
%RSD	.0310	.18084	.15214	.10677	.25907
#1	37.15	.97602	24.617	1.0006	.98782
#2	37.13	.97353	24.564	.99912	.98421
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.9618**	**.96966**	**.99163**	**1.478**	**.99786**
Stddev	.1118	.00113	.00279	.008	.00030
%RSD	1.1223	.11664	.28100	.5132	.02966
#1	9.8828	.96886	.98966	1.472	.99807
#2	10.041	.97046	.99360	1.483	.99766
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 15:52:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.98486	.96514	.91171	1.473
Stddev	.00113	.00209	.00032	.004
%RSD	.11456	.21705	.03532	.3071
#1	.98566	.96366	.91194	1.470
#2	.98406	.96662	.91148	1.477
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3825.1	2941.7	26491.	2687.9
Stddev	2.0	.5	56.	10.3
%RSD	.05332	.01676	.21261	.38425
#1	3826.5	2941.3	26451.	2695.2
#2	3823.6	2942.0	26531.	2680.6

Sample Name: CCB-6880245 Acquired: 3/8/2022 15:55:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.03002**	**-.00066**	**-.00023**	**-.00015**
Stddev	.00102	.01761	.00259	.00017	.00000
%RSD	529.03	58.667	392.00	71.938	2.0791
#1	.00053	-.04247	-.00249	-.00011	-.00015
#2	-.00091	-.01756	.00117	-.00035	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00471**	**-.00021**	**.0368**	**-.00000**
Stddev	.00004	.00129	.00006	.0350	.00004
%RSD	37.826	27.323	28.993	95.11	2139.2
#1	.00007	-.00380	-.00017	.0121	.00002
#2	.00012	-.00562	-.00025	.0616	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00072**	**-.00262**	**.02762**	**-.00206**
Stddev	.00002	.00041	.00098	.03058	.00025
%RSD	192.41	56.500	37.189	110.75	12.294
#1	-.00003	-.00043	-.00331	.04924	-.00224
#2	.00000	-.00101	-.00193	.00599	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 15:55:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00336**	**-.00010**	**.00132**	**-.00338**	**-.00013**
Stddev	.00019	.00001	.00041	.00365	.00027
%RSD	5.7193	9.0424	31.255	108.21	209.91
#1	-.00323	-.00009	.00103	-.00596	.00006
#2	-.00350	-.00010	.00161	-.00079	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00015**	**-.00832**	**-.00008**	**.00029**
Stddev	.00	.00120	.00130	.00041	.00140
%RSD	.0001	811.87	15.654	541.36	476.98
#1	25.01	-.00070	-.00924	.00021	.00128
#2	25.01	.00100	-.00740	-.00036	-.00069
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01165**	**.00027**	**-.00003**	**1.001**	**-.00035**
Stddev	.01102	.00015	.00006	.012	.00041
%RSD	94.630	53.158	178.76	1.177	116.98
#1	-.00385	.00038	.00001	1.009	-.00006
#2	-.01944	.00017	-.00007	.9927	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 15:55:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00021	.00000	-.00055	1.000
Stddev	.00153	.00008	.00032	.001
%RSD	726.78	2953.1	56.934	.0533
#1	.00129	.00006	-.00033	1.001
#2	-.00087	-.00005	-.00078	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4381.5	3058.4	28138.	2736.4
Stddev	5.8	9.2	37.	3.9
%RSD	.13163	.30018	.13089	.14242
#1	4385.5	3064.8	28112.	2739.2
#2	4377.4	3051.9	28165.	2733.7

Sample Name: CCVL-6882776 Acquired: 3/8/2022 15:59:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.16222**	**.01433**	**.01967**	**.00184**
Stddev	.00041	.01934	.00149	.00018	.00001
%RSD	7.9396	11.923	10.364	.91962	.52928
#1	.00549	.14854	.01538	.01980	.00184
#2	.00491	.17590	.01328	.01954	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.51477**	**.00193**	**.0037**	**.00365**
Stddev	.00000	.00638	.00004	.0047	.00007
%RSD	.03324	1.2402	2.2376	126.3	2.0042
#1	.00209	.51929	.00196	.0004	.00370
#2	.00208	.51026	.00190	.0070	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**.00872**	**.05002**	**.48304**	**.02717**
Stddev	.00001	.00055	.00096	.01863	.00234
%RSD	.21504	6.3559	1.9233	3.8569	8.6056
#1	.00354	.00911	.05070	.46986	.02883
#2	.00355	.00833	.04934	.49621	.02552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 15:59:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18221	.00286	.01061	.97269	.00939
Stddev	.00099	.00005	.00000	.00399	.00037
%RSD	.54490	1.8517	.02381	.41071	3.9112
#1	.18151	.00289	.01061	.96986	.00913
#2	.18292	.00282	.01061	.97551	.00965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00915	.18552	.02010	.02390
Stddev	.00	.00016	.00058	.00045	.00255
%RSD	.0035	1.7455	.31028	2.2393	10.659
#1	25.00	.00903	.18592	.02041	.02210
#2	25.00	.00926	.18511	.01978	.02570
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47186	.00918	.00502	F .9978	.00475
Stddev	.02358	.00016	.00012	.0102	.00022
%RSD	4.9968	1.7431	2.3354	1.019	4.6739
#1	.45519	.00907	.00494	.9907	.00490
#2	.48853	.00930	.00511	1.005	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 15:59:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01982	.00423	.00949	F .9997
Stddev	.00050	.00005	.00015	.0008
%RSD	2.5369	1.0658	1.6255	.0814
#1	.02018	.00420	.00938	1.000
#2	.01947	.00426	.00960	.9991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4407.0	3067.8	28418.	2725.1
Stddev	1.5	.5	84.	1.5
%RSD	.03399	.01582	.29516	.05331
#1	4405.9	3067.5	28477.	2724.0
#2	4408.0	3068.2	28359.	2726.1

Sample Name: 620-3245-F-1-B MS Acquired: 3/8/2022 16:03:20 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04571	12.470	.21090	.37713	.36165
Stddev	.00061	.066	.00025	.00049	.00122
%RSD	1.3360	.52600	.11763	.12955	.33609
#1	.04614	12.517	.21108	.37679	.36079
#2	.04527	12.424	.21073	.37748	.36251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21792	41.273	.20575	-.0325	.19648
Stddev	.00003	.087	.00009	.0227	.00001
%RSD	.01355	.21103	.04366	69.81	.00761
#1	.21794	41.335	.20568	-.0486	.19647
#2	.21790	41.211	.20581	-.0165	.19649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20060	.22913	10.267	15.096	.25424
Stddev	.00035	.00010	.052	.050	.00074
%RSD	.17384	.04370	.50745	.33015	.29150
#1	.20035	.22906	10.304	15.061	.25476
#2	.20084	.22920	10.230	15.131	.25371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-B MS Acquired: 3/8/2022 16:03:20 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.449**	**.20242**	**.21088**	**53.264**	**.19536**
Stddev	.022	.00003	.00027	.049	.00028
%RSD	.12173	.01425	.12624	.09270	.14413
#1	18.433	.20240	.21069	53.299	.19516
#2	18.465	.20244	.21106	53.229	.19556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.74**	**.20698**	**15.879**	**.21931**	**.19908**
Stddev	.00	.00077	.010	.00293	.00324
%RSD	.0032	.37095	.06246	1.3362	1.6266
#1	24.74	.20752	15.886	.22138	.19679
#2	24.74	.20643	15.872	.21724	.20137
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**17.587**	**.19384**	**.36745**	**1.011**	**.20860**
Stddev	.062	.00042	.00055	.003	.00039
%RSD	.35038	.21747	.14967	.2763	.18641
#1	17.630	.19354	.36784	1.013	.20887
#2	17.543	.19414	.36706	1.009	.20832
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-B MS Acquired: 3/8/2022 16:03:20 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20086	.19084	.19590	1.001
Stddev	.00015	.00113	.00101	.001
%RSD	.07531	.59471	.51338	.0548
#1	.20097	.19004	.19519	1.001
#2	.20075	.19164	.19661	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4006.3	2975.9	27256.	2740.2
Stddev	.5	.5	8.	2.1
%RSD	.01275	.01744	.03027	.07688
#1	4006.7	2976.2	27250.	2741.7
#2	4005.9	2975.5	27262.	2738.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.240%	95.060%	95.909%	100.68%
Range				

Sample Name: 620-3245-F-1-C MSD Acquired: 3/8/2022 16:06:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04817	12.448	.20841	.37645	.36334
Stddev	.00036	.044	.00066	.00031	.00061
%RSD	.75042	.35273	.31544	.08160	.16853
#1	.04843	12.479	.20887	.37623	.36377
#2	.04792	12.417	.20794	.37666	.36291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21682	40.382	.20503	.0082	.19631
Stddev	.00043	.061	.00013	.0341	.00022
%RSD	.19864	.15025	.06102	416.2	.11363
#1	.21652	40.425	.20512	.0323	.19647
#2	.21713	40.339	.20494	-.0159	.19616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20070	.22971	10.199	15.160	.25451
Stddev	.00061	.00131	.002	.075	.00066
%RSD	.30606	.56995	.02416	.49247	.26099
#1	.20027	.23064	10.201	15.108	.25404
#2	.20113	.22878	10.197	15.213	.25498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-C MSD Acquired: 3/8/2022 16:06:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.512**	**.20429**	**.21139**	**52.616**	**.19521**
Stddev	.011	.00021	.00037	.053	.00017
%RSD	.05722	.10485	.17421	.10117	.08461
#1	18.520	.20413	.21112	52.578	.19532
#2	18.505	.20444	.21165	52.653	.19509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.74**	**.20658**	**15.596**	**.21786**	**.19713**
Stddev	.00	.00056	.008	.00004	.00309
%RSD	.0004	.26886	.05209	.01758	1.5660
#1	24.74	.20697	15.590	.21783	.19495
#2	24.74	.20618	15.602	.21789	.19932
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**17.607**	**.19306**	**.36588**	**1.010**	**.20750**
Stddev	.010	.00051	.00006	.011	.00054
%RSD	.05791	.26266	.01732	1.079	.26018
#1	17.614	.19271	.36593	1.017	.20788
#2	17.599	.19342	.36584	1.002	.20712
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3245-F-1-C MSD Acquired: 3/8/2022 16:06:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20195	.19461	.19491	1.000
Stddev	.00222	.00085	.00072	.000
%RSD	1.0973	.43544	.37061	.0384
#1	.20352	.19521	.19542	.9999
#2	.20038	.19401	.19440	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4005.3	2979.9	27174.	2757.8
Stddev	.8	.2	111.	4.0
%RSD	.01883	.00544	.40707	.14372
#1	4004.7	2980.0	27095.	2755.0
#2	4005.8	2979.8	27252.	2760.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.217%	95.188%	95.619%	101.33%
Range				

Sample Name: 620-3067-D-1-F Acquired: 3/8/2022 16:10:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.03237**	**.00200**	**.17874**	**.01447**
Stddev	.00059	.01311	.00054	.00038	.00002
%RSD	263.02	40.498	27.163	.21363	.10386
#1	-.00019	.04164	.00238	.17901	.01446
#2	.00064	.02310	.00161	.17847	.01448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**4.6124**	**.00058**	**.0155**	**-.00006**
Stddev	.00004	.0144	.00006	.0312	.00009
%RSD	104.50	.31309	9.7819	201.8	141.55
#1	-.00001	4.6022	.00062	-.0066	.00000
#2	-.00007	4.6226	.00054	.0375	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.04903**	**.07438**	**18.669**	**.02915**
Stddev	.00003	.00073	.00093	.045	.00095
%RSD	2.8990	1.4824	1.2543	.23842	3.2735
#1	.00096	.04954	.07372	18.637	.02847
#2	.00100	.04851	.07504	18.700	.02982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3067-D-1-F Acquired: 3/8/2022 16:10:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**40.114**	**.00366**	**.11379**	**167.70**	**-.00041**
Stddev	.070	.00001	.00032	1.01	.00011
%RSD	.17392	.38569	.28237	.60043	27.244
#1	40.163	.00367	.11402	166.99	-.00033
#2	40.064	.00365	.11356	168.41	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.69**	**.00136**	**4.9641**	**.00199**	**-.00066**
Stddev	.00	.00048	.0164	.00150	.00095
%RSD	.0102	35.378	.32965	75.791	144.53
#1	25.69	.00170	4.9757	.00092	-.00133
#2	25.68	.00102	4.9525	.00305	.00001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.7074**	**.00030**	**.02296**	**1.002**	**.00196**
Stddev	.0158	.00005	.00006	.000	.00023
%RSD	.27702	17.956	.24907	.0017	11.769
#1	5.7185	.00033	.02300	1.002	.00212
#2	5.6962	.00026	.02292	1.002	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3067-D-1-F Acquired: 3/8/2022 16:10:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00054	.00471	.43704	.9986
Stddev	.00125	.00024	.00091	.0003
%RSD	229.09	5.1197	.20785	.0346
#1	.00034	.00454	.43768	.9983
#2	-.00142	.00488	.43639	.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3876.6	2910.0	26502.	2722.8
Stddev	4.4	4.0	11.	13.4
%RSD	.11328	.13575	.04257	.49145
#1	3879.7	2907.2	26510.	2732.2
#2	3873.5	2912.7	26494.	2713.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.319%	92.955%	93.255%	100.04%
Range				

Sample Name: 480-195521-E-1-A Acquired: 3/8/2022 16:14:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.04831**	**.00489**	**.12712**	**1.3789**
Stddev	.00039	.00968	.00004	.00106	.0032
%RSD	27.515	20.043	.81134	.83218	.23319
#1	-.00115	.05516	.00492	.12637	1.3812
#2	-.00171	.04147	.00486	.12787	1.3766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**857.32**	**-.00078**	**-.0710**	**-.00015**
Stddev	.00002	4.01	.00009	.0146	.00017
%RSD	8.5416	.46739	11.484	20.60	111.24
#1	-.00021	860.15	-.00084	-.0606	-.00003
#2	-.00018	854.49	-.00071	-.0813	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00177**	**.01280**	**129.23**	**.52280**
Stddev	.00001	.00038	.00316	.19	.00039
%RSD	1.4487	21.335	24.716	.14659	.07491
#1	.00037	-.00150	.01056	129.37	.52307
#2	.00036	-.00204	.01504	129.10	.52252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195521-E-1-A Acquired: 3/8/2022 16:14:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00095**	**.08354**	**494.78**	**.00772**
Stddev	.00129	.00009	.00012	.90	.00006
%RSD	634.53	9.9170	.14178	.18128	.76679
#1	.00112	.00088	.08362	495.42	.00776
#2	-.00071	.00102	.08346	494.15	.00768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.35**	**.00326**	**12.217**	**-.00034**	**-.00017**
Stddev	.00	.00014	.029	.00016	.00533
%RSD	.0059	4.3037	.24062	47.513	3109.6
#1	25.35	.00336	12.196	-.00045	-.00394
#2	25.36	.00317	12.238	-.00022	.00359
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20444**	**-.00036**	**5.5605**	**1.007**	**.00378**
Stddev	.00027	.00006	.0109	.003	.00020
%RSD	.13283	17.477	.19600	.2879	5.1825
#1	.20463	-.00041	5.5682	1.009	.00392
#2	.20425	-.00032	5.5528	1.005	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195521-E-1-A Acquired: 3/8/2022 16:14:12 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00014	.00029	.00083	1.000
Stddev	.00018	.00058	.00030	.001
%RSD	130.86	200.58	35.811	.0912
#1	-.00001	-.00012	.00062	1.001
#2	-.00027	.00070	.00105	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3285.0	2610.6	23942.	2650.6
Stddev	3.2	3.3	52.	6.5
%RSD	.09707	.12663	.21760	.24356
#1	3282.7	2608.2	23979.	2646.0
#2	3287.2	2612.9	23905.	2655.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	73.992%	83.391%	84.248%	97.387%
Range				

Sample Name: 480-195521-E-2-A Acquired: 3/8/2022 16:18:13 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.02075**	**.00817**	**.08488**	**.04089**
Stddev	.00040	.00730	.00108	.00017	.00013
%RSD	74.289	35.166	13.225	.19494	.32486
#1	-.00083	.02591	.00894	.08500	.04098
#2	-.00026	.01559	.00741	.08476	.04079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**11.637**	**-.00011**	**.0248**	**-.00029**
Stddev	.00005	.031	.00007	.0298	.00000
%RSD	164.07	.26683	63.363	120.2	.02705
#1	-.00001	11.615	-.00016	.0459	-.00029
#2	.00007	11.659	-.00006	.0037	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00624**	**1.5724**	**39.073**	**.14857**
Stddev	.00004	.00095	.0050	.132	.00267
%RSD	1.5678	15.219	.31877	.33791	1.7958
#1	.00238	.00691	1.5760	38.979	.14669
#2	.00243	.00557	1.5689	39.166	.15046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195521-E-2-A Acquired: 3/8/2022 16:18:13 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12939**	**.01527**	**.11286**	**363.10**	**.01316**
Stddev	.00314	.00011	.00003	1.67	.00002
%RSD	2.4230	.72682	.02529	.45870	.16366
#1	.13160	.01519	.11284	361.92	.01314
#2	.12717	.01535	.11288	364.28	.01317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.05**	**.00095**	**84.212**	**-.00136**	**.00111**
Stddev	.00	.00245	.085	.00052	.00095
%RSD	.0004	258.33	.10091	38.395	85.141
#1	25.05	-.00078	84.152	-.00099	.00179
#2	25.05	.00268	84.272	-.00172	.00044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**15.387**	**-.00014**	**.39359**	**1.004**	**.00115**
Stddev	.044	.00016	.00101	.002	.00014
%RSD	.28465	111.70	.25591	.1890	12.128
#1	15.356	-.00003	.39288	1.003	.00125
#2	15.418	-.00026	.39430	1.006	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195521-E-2-A Acquired: 3/8/2022 16:18:13 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00044	.00275	.00488	1.001
Stddev	.00093	.00018	.00022	.001
%RSD	210.43	6.4326	4.4162	.0877
#1	.00022	.00288	.00473	1.001
#2	-.00110	.00263	.00503	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3787.2	2880.8	25977.	2723.6
Stddev	1.6	.8	34.	8.1
%RSD	.04245	.02838	.13209	.29892
#1	3786.1	2881.3	25953.	2729.3
#2	3788.4	2880.2	26001.	2717.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.305%	92.022%	91.409%	100.07%
Range				

Sample Name: 620-3247-I-6-B Acquired: 3/8/2022 16:22:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**6.7857**	**.00437**	**.28624**	**.10220**
Stddev	.00031	.0146	.00145	.00005	.00008
%RSD	54.688	.21475	33.244	.01734	.07376
#1	-.00035	6.7754	.00334	.28628	.10225
#2	-.00079	6.7960	.00539	.28621	.10214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**64.143**	**.00010**	**-.0007**	**.00410**
Stddev	.00006	.110	.00007	.0189	.00008
%RSD	18.172	.17077	68.240	2855.	1.9031
#1	.00030	64.221	.00005	.0127	.00404
#2	.00039	64.066	.00015	-.0140	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02168**	**.02025**	**30.974**	**9.0385**	**.01036**
Stddev	.00580	.00029	.028	.0148	.00067
%RSD	26.740	1.4221	.09168	.16346	6.4864
#1	.01758	.02005	30.954	9.0490	.01084
#2	.02578	.02046	30.994	9.0281	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-I-6-B Acquired: 3/8/2022 16:22:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4771**	**2.4227**	**.00934**	**36.232**	**.01848**
Stddev	.0049	.0003	.00002	.166	.00021
%RSD	.06504	.01361	.18572	.45681	1.1412
#1	7.4737	2.4229	.00933	36.349	.01833
#2	7.4805	2.4225	.00935	36.115	.01863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.11**	**.03261**	**6.6398**	**.00617**	**.00002**
Stddev	.00	.00047	.0015	.00197	.00033
%RSD	.0082	1.4287	.02237	31.910	1429.7
#1	25.11	.03228	6.6409	.00478	.00026
#2	25.11	.03294	6.6388	.00756	-.00021
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**14.047**	**.00106**	**.31296**	**1.014**	**.26961**
Stddev	.106	.00005	.00111	.006	.00569
%RSD	.75469	4.8979	.35313	.6229	2.1097
#1	14.122	.00109	.31374	1.019	.27363
#2	13.972	.00102	.31217	1.010	.26559
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-I-6-B Acquired: 3/8/2022 16:22:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00146	.01251	.06450	1.001
Stddev	.00061	.00020	.00070	.000
%RSD	41.931	1.6103	1.0805	.0170
#1	-.00189	.01265	.06401	1.000
#2	-.00103	.01236	.06499	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4049.3	2993.9	27662.	2808.4
Stddev	1.1	4.5	23.	7.2
%RSD	.02749	.14986	.08154	.25542
#1	4050.1	2997.0	27646.	2803.3
#2	4048.5	2990.7	27678.	2813.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.209%	95.635%	97.336%	103.19%
Range				

Sample Name: 480-195525-E-1-A Acquired: 3/8/2022 16:25:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00102	1.3404	.01049	.06055	.74590
Stddev	.00026	.0144	.00052	.00057	.00062
%RSD	25.488	1.0706	4.9165	.93800	.08341
#1	-.00083	1.3302	.01013	.06014	.74546
#2	-.00120	1.3505	.01086	.06095	.74634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	223.89	-.00030	-.0157	-.00017
Stddev	.00008	.64	.00005	.0379	.00012
%RSD	134.42	.28479	16.458	240.9	68.930
#1	-.00000	224.34	-.00027	-.0426	-.00009
#2	-.00011	223.44	-.00034	.0111	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00037	-.00152	.00475	29.044	.03670
Stddev	.00048	.00077	.00332	.048	.00107
%RSD	127.97	50.778	70.035	.16485	2.9192
#1	.00004	-.00097	.00710	29.078	.03746
#2	.00071	-.00206	.00240	29.011	.03594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-1-A Acquired: 3/8/2022 16:25:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00011**	**.06080**	**165.31**	**.01499**
Stddev	.00484	.00002	.00005	.26	.00003
%RSD	495.37	15.236	.07644	.15557	.20306
#1	-.00440	.00012	.06077	165.49	.01501
#2	.00244	.00010	.06083	165.12	.01497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.08**	**-.00035**	**14.328**	**-.00017**	**-.00233**
Stddev	.00	.00003	.031	.00039	.00192
%RSD	.0023	9.0005	.21582	236.94	82.243
#1	25.08	-.00032	14.350	-.00045	-.00369
#2	25.08	-.00037	14.307	.00011	-.00098
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.2437**	**-.00031**	**2.0902**	**.9952**	**.00084**
Stddev	.0143	.00012	.0011	.0074	.00014
%RSD	.43961	37.841	.05305	.7395	16.481
#1	3.2538	-.00023	2.0909	1.000	.00075
#2	3.2336	-.00040	2.0894	.9900	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-1-A Acquired: 3/8/2022 16:25:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00178	.00402	.00196	.9992
Stddev	.00067	.00008	.00006	.0010
%RSD	37.847	2.0426	3.1832	.0953
#1	-.00130	.00396	.00191	.9986
#2	-.00226	.00408	.00200	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3728.3	2827.8	26095.	2708.5
Stddev	.6	.0	54.	3.0
%RSD	.01733	.00093	.20745	.11225
#1	3727.8	2827.8	26057.	2706.3
#2	3728.7	2827.9	26134.	2710.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.977%	90.332%	91.825%	99.515%
Range				

Sample Name: 480-195525-E-2-A Acquired: 3/8/2022 16:29:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**1.2493**	**.01609**	**.08774**	**.02701**
Stddev	.00031	.0017	.00221	.00053	.00006
%RSD	35.238	.13923	13.721	.59916	.23902
#1	-.00065	1.2481	.01453	.08737	.02697
#2	-.00108	1.2505	.01765	.08811	.02706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**67.615**	**-.00002**	**-.0001**	**.00043**
Stddev	.00008	.433	.00006	.0185	.00005
%RSD	578.69	.64051	297.37	12490.	12.373
#1	.00004	67.921	.00002	-.0132	.00039
#2	-.00007	67.308	-.00006	.0129	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00028**	**.02296**	**25.611**	**.00790**
Stddev	.00000	.00012	.00007	.110	.00045
%RSD	1.1456	42.984	.29203	.43001	5.7024
#1	.00025	-.00036	.02291	25.689	.00822
#2	.00025	-.00019	.02301	25.533	.00758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-2-A Acquired: 3/8/2022 16:29:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00559	.00013	.08234	212.90	.02771
Stddev	.00115	.00003	.00011	1.40	.00019
%RSD	20.542	25.392	.13835	.65817	.68931
#1	-.00478	.00015	.08226	213.89	.02785
#2	-.00640	.00011	.08242	211.91	.02758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.14	.00098	18.581	.00162	.00127
Stddev	.00	.00030	.006	.00157	.00269
%RSD	.0040	30.799	.03164	96.549	211.47
#1	25.15	.00119	18.585	.00052	-.00063
#2	25.14	.00076	18.577	.00273	.00317
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.260	-.00021	2.2587	1.009	.00093
Stddev	.093	.00036	.0154	.011	.00033
%RSD	.70323	168.53	.68130	1.088	35.795
#1	13.326	.00004	2.2695	1.016	.00069
#2	13.194	-.00047	2.2478	1.001	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-2-A Acquired: 3/8/2022 16:29:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00006	.00824	.00331	1.001
Stddev	.00082	.00043	.00007	.000
%RSD	1277.1	5.1924	2.0522	.0248
#1	.00065	.00854	.00336	1.001
#2	-.00052	.00794	.00327	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3800.1	2867.8	26252.	2717.1
Stddev	.3	2.6	57.	18.1
%RSD	.00848	.08925	.21655	.66637
#1	3800.3	2869.6	26292.	2704.3
#2	3799.9	2866.0	26211.	2729.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.595%	91.609%	92.374%	99.833%
Range				

Sample Name: 480-195525-E-3-A Acquired: 3/8/2022 16:33:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00066	.18699	.00353	.07096	4.3136
Stddev	.00084	.00401	.00054	.00057	.0167
%RSD	126.34	2.1446	15.177	.80371	.38591
#1	-.00007	.18415	.00315	.07055	4.3018
#2	-.00126	.18982	.00390	.07136	4.3253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	720.09	-.00082	-.0461	.00064
Stddev	.00002	.19	.00019	.0052	.00008
%RSD	9.7217	.02613	22.610	11.38	13.143
#1	-.00022	719.96	-.00069	-.0498	.00058
#2	-.00025	720.23	-.00095	-.0424	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00017	.01402	36.698	.95513
Stddev	.00066	.00031	.00029	.171	.00746
%RSD	203.53	182.43	2.0973	.46555	.78131
#1	-.00014	.00039	.01422	36.577	.94985
#2	.00080	-.00005	.01381	36.819	.96041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-3-A Acquired: 3/8/2022 16:33:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00219	.00069	.17194	356.53	.01152
Stddev	.00062	.00005	.00035	3.53	.00011
%RSD	28.207	7.2460	.20581	.99085	.98519
#1	-.00175	.00072	.17219	354.03	.01160
#2	-.00263	.00065	.17169	359.03	.01144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.04	.00185	7.5767	-.00077	-.00026
Stddev	.00	.00018	.0040	.00109	.00045
%RSD	.0021	9.9294	.05213	142.50	174.98
#1	25.04	.00172	7.5739	.00001	-.00058
#2	25.04	.00198	7.5795	-.00154	.00006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21383	-.00093	5.3324	1.007	.00335
Stddev	.00968	.00060	.0230	.002	.00008
%RSD	4.5257	64.679	.43067	.2218	2.3927
#1	.22068	-.00136	5.3162	1.005	.00329
#2	.20699	-.00050	5.3487	1.009	.00341
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-3-A Acquired: 3/8/2022 16:33:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00054	.00034	.00024	.9999
Stddev	.00005	.00039	.00034	.0009
%RSD	9.5619	116.48	145.24	.0894
#1	-.00058	.00006	.00048	.9993
#2	-.00051	.00062	-.00001	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3359.2	2641.2	24266.	2619.4
Stddev	1.5	3.4	21.	15.7
%RSD	.04390	.13049	.08452	.59785
#1	3360.2	2643.7	24281.	2630.5
#2	3358.1	2638.8	24252.	2608.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.664%	84.371%	85.388%	96.244%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 16:37:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.95476**	**48.835**	**.99337**	**1.0042**	**.99425**
Stddev	.00433	.020	.00178	.0003	.00124
%RSD	.45396	.04003	.17931	.03195	.12475
#1	.95782	48.848	.99211	1.0044	.99337
#2	.95169	48.821	.99463	1.0040	.99513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0108**	**49.256**	**1.0015**	**.9903**	**.97385**
Stddev	.0018	.147	.0010	.0404	.00096
%RSD	.17575	.29748	.10449	4.080	.09906
#1	1.0121	49.359	1.0007	.9617	.97453
#2	1.0096	49.152	1.0022	1.019	.97317
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.99884**	**.99143**	**49.018**	**48.751**	**.99809**
Stddev	.00044	.00013	.040	.058	.00049
%RSD	.04388	.01347	.08095	.11817	.04862
#1	.99915	.99134	48.990	48.710	.99775
#2	.99853	.99153	49.046	48.791	.99844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 16:37:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**47.907**	**.98508**	**1.0162**	**49.330**	**.97909**
Stddev	.045	.00110	.0009	.018	.00020
%RSD	.09327	.11148	.08778	.03583	.02050
#1	47.876	.98586	1.0168	49.343	.97924
#2	47.939	.98431	1.0155	49.318	.97895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.32**	**.97563**	**24.786**	**1.0066**	**.99409**
Stddev	.00	.00253	.058	.0017	.00493
%RSD	.0119	.25964	.23325	.16378	.49621
#1	37.31	.97742	24.745	1.0078	.99758
#2	37.32	.97384	24.827	1.0055	.99060
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.104**	**.97014**	**.99881**	**1.486**	**.99568**
Stddev	.002	.00066	.00012	.002	.00061
%RSD	.01584	.06763	.01210	.1458	.06118
#1	10.105	.96968	.99873	1.487	.99611
#2	10.103	.97061	.99890	1.484	.99525
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 16:37:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.98808	.96975	.91762	1.481
Stddev	.00277	.00224	.00210	.001
%RSD	.28078	.23091	.22880	.0620
#1	.99004	.97133	.91613	1.481
#2	.98611	.96816	.91910	1.482
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3836.6	2948.9	26577.	2700.2
Stddev	6.2	.7	79.	5.0
%RSD	.16266	.02262	.29694	.18337
#1	3832.2	2949.4	26522.	2696.7
#2	3841.0	2948.5	26633.	2703.7

Sample Name: CCB-6880245 Acquired: 3/8/2022 16:41:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00755**	**.00044**	**-.00048**	**-.00010**
Stddev	.00035	.01335	.00021	.00024	.00000
%RSD	53.014	176.93	47.741	49.370	3.7335
#1	-.00091	.00189	.00058	-.00031	-.00010
#2	-.00041	-.01699	.00029	-.00065	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00930**	**.00002**	**.0469**	**-.00010**
Stddev	.00003	.00016	.00004	.0211	.00002
%RSD	51.825	1.7506	193.02	44.96	16.448
#1	-.00003	.00941	.00004	.0618	-.00011
#2	-.00007	.00918	-.00001	.0320	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00095**	**-.00156**	**.06706**	**-.00019**
Stddev	.00027	.00003	.00059	.03173	.00099
%RSD	23006.	2.9124	37.629	47.313	513.79
#1	.00019	-.00093	-.00114	.08950	-.00090
#2	-.00019	-.00097	-.00197	.04463	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 16:41:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00442**	**-.00007**	**.00131**	**.04695**	**-.00006**
Stddev	.00427	.00004	.00038	.00033	.00017
%RSD	96.625	51.291	28.731	.69993	259.64
#1	-.00744	-.00009	.00104	.04671	-.00018
#2	-.00140	-.00004	.00157	.04718	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00062**	**-.00453**	**-.00035**	**.00248**
Stddev	.00	.00011	.00260	.00097	.00036
%RSD	.0018	18.561	57.278	275.79	14.389
#1	25.01	-.00070	-.00270	.00033	.00273
#2	25.01	-.00054	-.00637	-.00103	.00222
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01816**	**.00002**	**.00005**	**1.003**	**-.00000**
Stddev	.00172	.00037	.00014	.007	.00024
%RSD	9.4528	1892.3	274.77	.7507	13780.
#1	-.01938	-.00024	.00015	1.008	-.00017
#2	-.01695	.00028	-.00005	.9974	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 16:41:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00002**	**-.00050**	**.9992**
Stddev	.00058	.00007	.00022	.0002
%RSD	162.24	354.95	44.629	.0203
#1	-.00005	.00007	-.00034	.9990
#2	.00076	-.00003	-.00065	.9993
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4423.3**	**3069.3**	**28290.**	**2724.1**
Stddev	3.0	.2	93.	2.1
%RSD	.06731	.00795	.32776	.07663
#1	4421.2	3069.1	28224.	2722.7
#2	4425.4	3069.5	28355.	2725.6

Sample Name: CCVL-6882776 Acquired: 3/8/2022 16:44:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.18570**	**.01307**	**.01954**	**.00186**
Stddev	.00087	.01721	.00157	.00031	.00001
%RSD	17.292	9.2694	11.973	1.5944	.30561
#1	.00444	.17353	.01197	.01976	.00186
#2	.00568	.19787	.01418	.01932	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00207**	**.52407**	**.00182**	**.0135**	**.00366**
Stddev	.00006	.00574	.00007	.0304	.00001
%RSD	2.8147	1.0943	3.8720	225.5	.18277
#1	.00211	.52812	.00187	.0350	.00367
#2	.00203	.52001	.00177	-.0080	.00366
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.00878**	**.05202**	**.44329**	**.02700**
Stddev	.00026	.00010	.00070	.00435	.00256
%RSD	6.3838	1.1947	1.3417	.98031	9.4804
#1	.00389	.00885	.05153	.44636	.02519
#2	.00425	.00870	.05251	.44022	.02881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 16:44:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18650	.00282	.01063	.98433	.00934
Stddev	.00411	.00003	.00014	.01535	.00018
%RSD	2.2028	1.1690	1.2825	1.5595	1.9794
#1	.18359	.00285	.01073	.99518	.00921
#2	.18940	.00280	.01053	.97347	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00920	.18641	.02096	.02481
Stddev	.00	.00016	.00001	.00025	.00342
%RSD	.0011	1.7234	.00743	1.1913	13.781
#1	25.00	.00931	.18640	.02078	.02723
#2	25.00	.00909	.18642	.02114	.02240
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.46727	.00897	.00499	F 1.007	.00470
Stddev	.01056	.00004	.00006	.003	.00034
%RSD	2.2604	.47740	1.2646	.3314	7.1861
#1	.45980	.00900	.00503	1.010	.00494
#2	.47474	.00894	.00494	1.005	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 16:44:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01808	.00448	.00917	F 1.000
Stddev	.00197	.00002	.00038	.000
%RSD	10.904	.41033	4.0981	.0001
#1	.01669	.00449	.00943	1.000
#2	.01948	.00446	.00890	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4390.3	3058.3	28323.	2717.0
Stddev	3.0	1.1	.	10.0
%RSD	.06862	.03667	.00030	.36708
#1	4388.1	3059.1	28323.	2724.0
#2	4392.4	3057.5	28323.	2709.9

Sample Name: 480-195525-E-4-A Acquired: 3/8/2022 16:48:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00056	.04362	.00196	.01948	.03026
Stddev	.00017	.00633	.00047	.00001	.00001
%RSD	31.007	14.512	23.913	.03857	.01673
#1	-.00043	.03914	.00229	.01949	.03027
#2	-.00068	.04810	.00163	.01948	.03026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	60.437	.00008	-.0076	.00014
Stddev	.00011	.357	.00003	.0225	.00015
%RSD	919.72	.59099	31.739	294.0	103.49
#1	-.00009	60.689	.00010	-.0235	.00025
#2	.00006	60.184	.00006	.0082	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.00090	.87071	1.5173	.00594
Stddev	.00005	.00055	.00354	.0004	.00005
%RSD	3.8830	61.047	.40700	.02742	.80209
#1	.00132	.00051	.87322	1.5176	.00597
#2	.00125	.00128	.86820	1.5170	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-4-A Acquired: 3/8/2022 16:48:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.191**	**.10424**	**.03495**	**188.23**	**.00329**
Stddev	.027	.00001	.00051	.98	.00010
%RSD	.11194	.01133	1.4737	.51938	2.9375
#1	24.210	.10425	.03458	188.92	.00322
#2	24.171	.10423	.03531	187.54	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.05**	**-.00070**	**21.252**	**-.00044**	**-.00087**
Stddev	.00	.00033	.073	.00133	.00194
%RSD	.0001	47.866	.34231	299.10	221.72
#1	25.05	-.00046	21.303	.00050	-.00224
#2	25.05	-.00094	21.200	-.00138	.00050
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.1207**	**-.00052**	**.33297**	**1.000**	**.00069**
Stddev	.0375	.00008	.00220	.001	.00031
%RSD	.46170	15.964	.66007	.0761	44.806
#1	8.1472	-.00046	.33452	.9999	.00047
#2	8.0942	-.00058	.33141	1.001	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-4-A Acquired: 3/8/2022 16:48:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00042	.00011	.00416	1.000
Stddev	.00001	.00023	.00019	.001
%RSD	3.4788	206.53	4.6312	.1097
#1	.00043	.00027	.00430	1.001
#2	.00041	-.00005	.00402	.9994
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3833.3	2878.2	26391.	2715.9
Stddev	1.7	1.9	70.	23.8
%RSD	.04439	.06658	.26407	.87764
#1	3834.5	2876.9	26440.	2699.1
#2	3832.1	2879.6	26342.	2732.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.343%	91.941%	92.866%	99.788%
Range				

Sample Name: 480-195525-E-5-A Acquired: 3/8/2022 16:52:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.04737**	**.00739**	**.18448**	**.87443**
Stddev	.00028	.02770	.00048	.00024	.00193
%RSD	50.007	58.479	6.5131	.13062	.22098
#1	-.00075	.06696	.00773	.18431	.87580
#2	-.00036	.02778	.00705	.18465	.87307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**729.33**	**-.00073**	**-.0559**	**.00087**
Stddev	.00001	2.21	.00006	.0047	.00021
%RSD	3.4052	.30330	8.1618	8.449	24.027
#1	-.00024	727.77	-.00077	-.0526	.00102
#2	-.00025	730.90	-.00069	-.0592	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00146**	**.04517**	**88.941**	**.32698**
Stddev	.00024	.00071	.00227	.030	.00046
%RSD	44.096	49.000	5.0211	.03425	.14044
#1	.00037	-.00095	.04357	88.919	.32666
#2	.00071	-.00196	.04678	88.962	.32731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-5-A Acquired: 3/8/2022 16:52:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00245	.00022	.08812	453.84	.01244
Stddev	.00402	.00000	.00013	1.24	.00041
%RSD	163.90	2.2301	.15274	.27302	3.2807
#1	-.00039	.00022	.08821	454.71	.01273
#2	.00530	.00021	.08802	452.96	.01215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.23	.00168	12.179	.00004	.00318
Stddev	.00	.00148	.012	.00011	.00006
%RSD	.0017	87.827	.09584	249.14	1.7320
#1	25.23	.00064	12.171	-.00003	.00314
#2	25.23	.00272	12.188	.00012	.00322
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22333	-.00018	3.9005	1.002	.00285
Stddev	.00216	.00064	.0048	.003	.00015
%RSD	.96779	356.06	.12227	.2454	5.3243
#1	.22486	.00027	3.9039	1.004	.00296
#2	.22180	-.00063	3.8971	1.001	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-5-A Acquired: 3/8/2022 16:52:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00060	-.00016	.00108	1.000
Stddev	.00186	.00022	.00029	.001
%RSD	309.89	139.83	27.285	.1329
#1	-.00192	-.00031	.00087	1.001
#2	.00072	-.00000	.00129	.9995
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3339.8	2635.7	24279.	2640.7
Stddev	5.2	4.3	42.	6.8
%RSD	.15425	.16252	.17191	.25708
#1	3343.4	2638.8	24308.	2635.9
#2	3336.2	2632.7	24249.	2645.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.227%	84.195%	85.433%	97.025%
Range				

Sample Name: 480-195525-E-6-A Acquired: 3/8/2022 16:56:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**-.00797**	**.00323**	**.04026**	**.04574**
Stddev	.00008	.00975	.00030	.00048	.00005
%RSD	8.4453	122.30	9.1822	1.2041	.10301
#1	-.00104	-.01486	.00302	.03991	.04571
#2	-.00093	-.00108	.00344	.04060	.04577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**53.410**	**.00013**	**.0184**	**-.00011**
Stddev	.00004	.046	.00008	.0026	.00003
%RSD	36.206	.08643	59.512	14.30	24.062
#1	-.00007	53.378	.00008	.0166	-.00013
#2	-.00013	53.443	.00019	.0203	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00012**	**.05081**	**27.013**	**.07428**
Stddev	.00005	.00000	.00173	.075	.00115
%RSD	5.2118	3.8508	3.3980	.27625	1.5508
#1	.00105	.00012	.05204	27.066	.07510
#2	.00098	.00013	.04959	26.961	.07347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-6-A Acquired: 3/8/2022 16:56:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.123**	**.01002**	**.08043**	**254.82**	**.01123**
Stddev	.084	.00003	.00086	.09	.00008
%RSD	.46618	.29630	1.0650	.03467	.69679
#1	18.183	.01005	.07983	254.88	.01128
#2	18.063	.01000	.08104	254.75	.01117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.07**	**-.00011**	**58.446**	**.00052**	**.00198**
Stddev	.00	.00069	.297	.00048	.00147
%RSD	.0038	654.38	.50849	93.831	74.347
#1	25.07	.00038	58.236	.00086	.00302
#2	25.07	-.00060	58.656	.00017	.00094
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.8317**	**-.00057**	**.81502**	**1.003**	**.00157**
Stddev	.0003	.00022	.00126	.005	.00013
%RSD	.00288	38.046	.15447	.5254	8.0374
#1	9.8315	-.00072	.81591	.9991	.00148
#2	9.8319	-.00042	.81413	1.007	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-6-A Acquired: 3/8/2022 16:56:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00008	.00155	.00389	.9999
Stddev	.00121	.00012	.00113	.0004
%RSD	1441.7	7.9485	29.027	.0411
#1	.00094	.00164	.00310	.9996
#2	-.00077	.00146	.00469	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3773.1	2854.0	26075.	2715.3
Stddev	1.8	18.0	69.	5.5
%RSD	.04803	.63219	.26627	.20316
#1	3774.4	2866.8	26026.	2719.2
#2	3771.9	2841.3	26124.	2711.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.988%	91.168%	91.754%	99.765%
Range				

Sample Name: 480-195525-E-7-A Acquired: 3/8/2022 17:00:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00116	.50800	.00443	3.6944	.17863
Stddev	.00023	.02987	.00041	.0049	.00071
%RSD	20.144	5.8809	9.1677	.13235	.39901
#1	-.00100	.52913	.00472	3.6910	.17812
#2	-.00133	.48688	.00415	3.6979	.17913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	307.19	-.00048	.0182	-.00034
Stddev	.00005	1.88	.00001	.0012	.00003
%RSD	26.816	.61313	1.3966	6.808	8.5727
#1	-.00022	305.86	-.00048	.0191	-.00032
#2	-.00015	308.52	-.00049	.0174	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00000	.01928	132.09	.23438
Stddev	.00037	.00035	.00029	.00	.00028
%RSD	63.144	21681.	1.5236	.00120	.12124
#1	.00032	.00025	.01949	132.09	.23458
#2	.00085	-.00025	.01907	132.09	.23418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-7-A Acquired: 3/8/2022 17:00:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00515**	**.00012**	**.07833**	**604.50**	**.01421**
Stddev	.00166	.00002	.00025	.03	.00050
%RSD	32.270	19.675	.32421	.00530	3.5420
#1	.00632	.00010	.07815	604.47	.01385
#2	.00397	.00014	.07851	604.52	.01456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.20**	**.00133**	**31.827**	**.00085**	**-.00244**
Stddev	.00	.00052	.091	.00037	.00064
%RSD	.0047	39.368	.28524	43.451	26.469
#1	25.20	.00170	31.763	.00059	-.00289
#2	25.20	.00096	31.892	.00111	-.00198
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1415**	**-.00002**	**.65793**	**1.002**	**.00129**
Stddev	.0066	.00002	.00071	.002	.00011
%RSD	.57530	69.197	.10814	.1449	8.2415
#1	1.1368	-.00004	.65743	1.000	.00137
#2	1.1461	-.00001	.65844	1.003	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-7-A Acquired: 3/8/2022 17:00:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00084	.00140	.00313	1.001
Stddev	.00080	.00039	.00021	.000
%RSD	94.421	27.876	6.8639	.0426
#1	-.00141	.00112	.00328	1.001
#2	-.00028	.00167	.00298	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3444.8	2690.6	24558.	2677.1
Stddev	.1	2.8	70.	19.0
%RSD	.00428	.10248	.28461	.70928
#1	3444.7	2692.5	24607.	2690.6
#2	3444.9	2688.6	24508.	2663.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	77.591%	85.947%	86.414%	98.363%
Range				

Sample Name: 480-195525-E-8-A Acquired: 3/8/2022 17:04:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.06564	.00109	.05848	.05672
Stddev	.00121	.03612	.00201	.00023	.00002
%RSD	1073.2	55.039	184.47	.39463	.03354
#1	.00075	.04009	.00251	.05864	.05671
#2	-.00097	.09118	-.00033	.05832	.05673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	20.303	-.00004	.0047	-.00001
Stddev	.00001	.000	.00012	.0421	.00001
%RSD	90.799	.00074	280.91	896.7	112.58
#1	-.00002	20.303	.00004	.0344	-.00000
#2	-.00001	20.303	-.00013	-.0251	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00102	-.00048	.02569	21.725	.07524
Stddev	.00006	.00046	.00070	.036	.00178
%RSD	6.1195	97.413	2.7189	.16399	2.3675
#1	.00106	-.00015	.02618	21.700	.07398
#2	.00098	-.00081	.02520	21.751	.07650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-8-A Acquired: 3/8/2022 17:04:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.14279	.00083	.11556	262.82	.01343
Stddev	.00007	.00001	.00021	.48	.00006
%RSD	.04562	1.6677	.17855	.18289	.46578
#1	.14274	.00084	.11570	263.16	.01339
#2	.14283	.00082	.11541	262.48	.01348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.07	.00335	31.767	-.00160	.00230
Stddev	.00	.00056	.050	.00260	.00028
%RSD	.0032	16.593	.15768	162.79	12.004
#1	25.07	.00295	31.732	.00024	.00249
#2	25.07	.00374	31.803	-.00344	.00210
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	29.278	-.00025	.33360	1.003	.00230
Stddev	.004	.00016	.00077	.005	.00005
%RSD	.01469	63.612	.23071	.4943	2.0707
#1	29.281	-.00014	.33414	1.006	.00233
#2	29.275	-.00037	.33306	.9991	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195525-E-8-A Acquired: 3/8/2022 17:04:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00007	.00340	.00589	1.001
Stddev	.00081	.00013	.00001	.000
%RSD	1111.8	3.9589	.25214	.0210
#1	-.00050	.00330	.00588	1.001
#2	.00064	.00349	.00590	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3858.0	2865.7	26108.	2720.7
Stddev	.1	1.2	31.	3.2
%RSD	.00271	.04059	.11682	.11758
#1	3858.0	2866.6	26130.	2723.0
#2	3858.1	2864.9	26087.	2718.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.900%	91.542%	91.870%	99.964%
Range				

Sample Name: MB 480-616995/1-A Acquired: 3/8/2022 17:08:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.03723**	**-.00079**	**.00187**	**-.00014**
Stddev	.00044	.02984	.00009	.00041	.00000
%RSD	253.00	80.144	11.097	22.041	1.4675
#1	.00049	-.05833	-.00085	.00216	-.00014
#2	-.00014	-.01613	-.00073	.00158	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00916**	**-.00018**	**.0295**	**-.00005**
Stddev	.00004	.00375	.00001	.0012	.00003
%RSD	89.571	40.897	5.6293	3.994	50.141
#1	-.00008	.00651	-.00018	.0303	-.00003
#2	-.00002	.01181	-.00017	.0286	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00101**	**.00694**	**.07373**	**-.00091**
Stddev	.00015	.00023	.00407	.04651	.00245
%RSD	41.029	22.368	58.568	63.076	268.46
#1	.00025	-.00117	.00982	.04085	-.00264
#2	.00046	-.00085	.00407	.10662	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-616995/1-A Acquired: 3/8/2022 17:08:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00322**	**.00023**	**.00036**	**.09393**	**-.00006**
Stddev	.00018	.00000	.00017	.01317	.00004
%RSD	5.7308	1.1645	46.182	14.017	63.766
#1	-.00335	.00023	.00048	.10324	-.00009
#2	-.00309	.00023	.00024	.08462	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00072**	**.00100**	**-.00095**	**-.00094**
Stddev	.00	.00051	.00062	.00001	.00083
%RSD	.0014	71.708	61.398	1.4437	88.135
#1	25.01	.00108	.00057	-.00094	-.00035
#2	25.01	.00035	.00144	-.00096	-.00153
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00885**	**-.00000**	**-.00007**	**1.002**	**-.00018**
Stddev	.00767	.00006	.00006	.004	.00020
%RSD	86.615	2871.5	79.422	.3590	109.65
#1	-.00343	.00004	-.00003	.9991	-.00004
#2	-.01427	-.00004	-.00011	1.004	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-616995/1-A Acquired: 3/8/2022 17:08:00 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00009	-.00009	.00045	1.000
Stddev	.00033	.00006	.00002	.001
%RSD	367.55	69.697	4.4661	.0669
#1	-.00014	-.00004	.00047	.9996
#2	.00032	-.00013	.00044	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4423.7	3029.4	28256.	2724.4
Stddev	5.3	1.2	18.	11.9
%RSD	.11972	.03833	.06232	.43774
#1	4419.9	3028.6	28268.	2732.9
#2	4427.4	3030.3	28243.	2716.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.641%	96.772%	99.427%	100.10%
Range				

Sample Name: LCS 480-616995/2-A Acquired: 3/8/2022 17:11:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04885	10.362	.21423	.21778	.21542
Stddev	.00046	.028	.00173	.00034	.00014
%RSD	.94514	.27205	.80877	.15785	.06409
#1	.04853	10.382	.21301	.21753	.21532
#2	.04918	10.342	.21546	.21802	.21552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22233	10.438	.21039	.0752	.19809
Stddev	.00039	.023	.00014	.0204	.00005
%RSD	.17632	.22210	.06664	27.13	.02290
#1	.22205	10.455	.21048	.0897	.19812
#2	.22260	10.422	.21029	.0608	.19806
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20644	.20685	10.583	10.154	.20785
Stddev	.00073	.00102	.013	.055	.00317
%RSD	.35531	.49411	.12348	.54532	1.5249
#1	.20696	.20613	10.592	10.115	.20561
#2	.20592	.20757	10.573	10.193	.21009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LCS 480-616995/2-A Acquired: 3/8/2022 17:11:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.374**	**.21112**	**.21687**	**10.202**	**.19761**
Stddev	.029	.00044	.00004	.017	.00012
%RSD	.28149	.20802	.01729	.16591	.05975
#1	10.394	.21143	.21689	10.190	.19770
#2	10.353	.21081	.21684	10.214	.19753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**.20275**	**10.182**	**.22314**	**.20194**
Stddev	.00	.00034	.012	.00022	.00117
%RSD	.0067	.16532	.12108	.09643	.57964
#1	24.76	.20251	10.190	.22329	.20276
#2	24.76	.20298	10.173	.22299	.20111
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.623**	**.19286**	**.21219**	**1.008**	**.21237**
Stddev	.064	.00014	.00025	.003	.00014
%RSD	.60668	.07481	.11568	.2987	.06705
#1	10.577	.19296	.21202	1.010	.21227
#2	10.668	.19276	.21237	1.006	.21247
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LCS 480-616995/2-A Acquired: 3/8/2022 17:11:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20758	.20209	.19830	1.001
Stddev	.00129	.00030	.00146	.002
%RSD	.61904	.14688	.73596	.1589
#1	.20667	.20188	.19934	1.000
#2	.20849	.20230	.19727	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4158.8	2976.7	27356.	2708.7
Stddev	3.2	1.0	35.	1.9
%RSD	.07578	.03494	.12721	.07107
#1	4156.6	2975.9	27332.	2707.3
#2	4161.1	2977.4	27381.	2710.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.676%	95.086%	96.262%	99.523%
Range				

Sample Name: LCSD 480-616995/3-A Acquired: 3/8/2022 17:15:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04967	10.267	.21191	.21672	.21514
Stddev	.00011	.099	.00087	.00053	.00060
%RSD	.22485	.96507	.41249	.24492	.28042
#1	.04974	10.197	.21253	.21709	.21556
#2	.04959	10.337	.21129	.21634	.21471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21963	10.189	.20969	-.0296	.19660
Stddev	.00059	.021	.00049	.0008	.00001
%RSD	.26654	.20827	.23290	2.722	.00453
#1	.22005	10.174	.20935	-.0301	.19659
#2	.21922	10.204	.21004	-.0290	.19660
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20701	.21308	10.455	10.100	.20377
Stddev	.00053	.00097	.031	.029	.00246
%RSD	.25535	.45374	.29578	.28858	1.2080
#1	.20739	.21376	10.433	10.079	.20551
#2	.20664	.21240	10.477	10.120	.20203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LCSD 480-616995/3-A Acquired: 3/8/2022 17:15:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.389**	**.21194**	**.21761**	**10.085**	**.19656**
Stddev	.020	.00018	.00010	.001	.00022
%RSD	.19144	.08269	.04440	.01143	.10976
#1	10.375	.21181	.21754	10.086	.19640
#2	10.403	.21206	.21768	10.084	.19671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.75**	**.20042**	**10.053**	**.22218**	**.20447**
Stddev	.00	.00016	.020	.00086	.00024
%RSD	.0030	.07876	.19623	.38750	.11979
#1	24.75	.20053	10.067	.22279	.20465
#2	24.75	.20030	10.039	.22157	.20430
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.494**	**.19122**	**.21065**	**1.010**	**.21037**
Stddev	.028	.00043	.00011	.000	.00005
%RSD	.26958	.22613	.05033	.0409	.02537
#1	10.514	.19152	.21057	1.009	.21033
#2	10.474	.19091	.21072	1.010	.21041
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LCSD 480-616995/3-A Acquired: 3/8/2022 17:15:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20754	.20360	.20099	.9997
Stddev	.00034	.00044	.00019	.0004
%RSD	.16396	.21574	.09262	.0428
#1	.20779	.20329	.20086	.9994
#2	.20730	.20391	.20112	1.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4192.1	2995.8	27446.	2754.9
Stddev	3.7	3.1	21.	6.0
%RSD	.08732	.10245	.07602	.21814
#1	4194.7	2998.0	27460.	2759.2
#2	4189.6	2993.6	27431.	2750.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.426%	95.697%	96.576%	101.22%
Range				

Sample Name: 620-3170-E-7-A Acquired: 3/8/2022 17:18:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	.00250	-.00232	.07891	.02520
Stddev	.00012	.01248	.00162	.00018	.00004
%RSD	37.267	499.27	69.565	.22245	.17109
#1	-.00023	.01132	-.00346	.07903	.02517
#2	-.00040	-.00632	-.00118	.07878	.02523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	36.166	-.00008	-.0053	.00004
Stddev	.00002	.070	.00015	.0374	.00012
%RSD	248.32	.19332	184.31	698.8	272.29
#1	-.00002	36.215	-.00019	-.0318	.00013
#2	.00001	36.116	.00003	.0211	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00536	.00152	2.5372	.00097
Stddev	.00018	.00008	.00356	.0133	.00051
%RSD	56.885	1.4618	233.66	.52474	53.093
#1	.00019	.00530	.00404	2.5278	.00133
#2	.00044	.00541	-.00099	2.5466	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-7-A Acquired: 3/8/2022 17:18:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.9311**	**.01001**	**.00040**	**94.895**	**.01492**
Stddev	.0195	.00002	.00034	.271	.00079
%RSD	.39496	.15581	83.756	.28545	5.3116
#1	4.9449	.01002	.00016	95.087	.01548
#2	4.9174	.00999	.00064	94.704	.01436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00194**	**8.2224**	**.00000**	**.01193**
Stddev	.00	.00021	.0180	.00040	.00190
%RSD	.0008	10.806	.21843	71679.	15.948
#1	25.01	.00209	8.2097	.00029	.01058
#2	25.01	.00179	8.2351	-.00029	.01328
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.6681**	**-.00017**	**.20065**	**1.007**	**.00018**
Stddev	.0065	.00005	.00013	.002	.00004
%RSD	.09795	30.046	.06646	.2161	24.482
#1	6.6635	-.00013	.20075	1.006	.00021
#2	6.6727	-.00020	.20056	1.009	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-7-A Acquired: 3/8/2022 17:18:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00099	.00019	.01456	1.000
Stddev	.00026	.00023	.00026	.001
%RSD	25.817	121.61	1.7588	.1205
#1	.00118	.00036	.01474	1.001
#2	.00081	.00003	.01438	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4027.6	2932.2	26667.	2713.0
Stddev	3.3	2.7	32.	10.2
%RSD	.08228	.09054	.11846	.37431
#1	4025.2	2930.3	26645.	2720.2
#2	4029.9	2934.1	26690.	2705.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.719%	93.665%	93.837%	99.682%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 17:22:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.94259	49.461	1.0097	1.0145	.99836
Stddev	.00251	.042	.0005	.0007	.00298
%RSD	.26586	.08549	.05301	.06605	.29815
#1	.94081	49.432	1.0094	1.0150	.99625
#2	.94436	49.491	1.0101	1.0140	1.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0337	50.621	1.0136	1.024	.97241
Stddev	.0044	.186	.0006	.030	.00084
%RSD	.42692	.36744	.05584	2.896	.08676
#1	1.0305	50.489	1.0132	1.045	.97301
#2	1.0368	50.752	1.0140	1.003	.97182
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0125	1.0041	49.209	49.091	1.0106
Stddev	.0032	.0014	.041	.080	.0045
%RSD	.31574	.14099	.08385	.16345	.44479
#1	1.0102	1.0051	49.180	49.034	1.0074
#2	1.0147	1.0031	49.238	49.148	1.0137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 17:22:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.395**	**.99261**	**1.0242**	**49.994**	**.97673**
Stddev	.034	.00068	.0030	.149	.00065
%RSD	.07115	.06816	.29103	.29887	.06697
#1	48.371	.99214	1.0263	49.888	.97719
#2	48.420	.99309	1.0221	50.100	.97626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.46**	**.97585**	**25.427**	**1.0251**	**1.0064**
Stddev	.02	.00176	.004	.0012	.0002
%RSD	.0508	.17986	.01631	.11936	.02225
#1	37.48	.97461	25.424	1.0242	1.0065
#2	37.45	.97709	25.430	1.0260	1.0062
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.176**	**.97154**	**1.0104**	**1.489**	**1.0175**
Stddev	.019	.00163	.0030	.003	.0002
%RSD	.18559	.16749	.29821	.1796	.01725
#1	10.163	.97269	1.0082	1.491	1.0176
#2	10.189	.97039	1.0125	1.488	1.0173
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 17:22:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.97876	.96103	.93363	1.482
Stddev	.00212	.00028	.00423	.001
%RSD	.21675	.02936	.45342	.0936
#1	.98026	.96123	.93064	1.481
#2	.97726	.96084	.93662	1.483
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3857.5	2919.2	26380.	2662.1
Stddev	1.9	.6	3.	5.1
%RSD	.04937	.02218	.01323	.19228
#1	3856.1	2919.6	26382.	2665.7
#2	3858.8	2918.7	26377.	2658.4

Sample Name: CCB-6880245 Acquired: 3/8/2022 17:26:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.01435**	**.00093**	**.00064**	**-.00013**
Stddev	.00099	.00292	.00067	.00025	.00001
%RSD	935.45	20.332	72.131	39.544	9.9926
#1	.00059	-.01229	.00046	.00083	-.00014
#2	-.00081	-.01642	.00141	.00046	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00337**	**-.00001**	**.0224**	**-.00008**
Stddev	.00002	.00216	.00015	.0837	.00001
%RSD	73.566	64.186	1440.2	374.2	10.125
#1	.00005	.00184	-.00012	.0816	-.00009
#2	.00001	.00490	.00010	-.0368	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00100**	**-.00050**	**.02109**	**-.00127**
Stddev	.00016	.00031	.00149	.00385	.00024
%RSD	142.05	31.458	295.85	18.248	18.736
#1	-.00022	-.00122	-.00156	.01837	-.00111
#2	.00000	-.00077	.00055	.02381	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 17:26:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00219**	**-.00005**	**.00128**	**.01860**	**-.00026**
Stddev	.00433	.00002	.00023	.00223	.00001
%RSD	197.54	43.032	17.734	11.990	4.5309
#1	.00087	-.00004	.00112	.02017	-.00026
#2	-.00526	-.00007	.00144	.01702	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00023**	**-.00517**	**.00109**	**-.00252**
Stddev	.00	.00072	.00135	.00273	.00107
%RSD	.0020	307.83	26.029	250.80	42.593
#1	25.01	.00074	-.00422	.00302	-.00328
#2	25.01	-.00027	-.00613	-.00084	-.00176
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**.00006**	**-.00004**	**1.008**	**.00004**
Stddev	.01286	.00004	.00015	.009	.00042
%RSD	1136.1	67.829	336.79	.8834	971.30
#1	-.01023	.00009	-.00015	1.002	-.00025
#2	.00796	.00003	.00006	1.015	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 17:26:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	-.00017	.00005	-.00010	.9989
Stddev	.00043	.00003	.00036	.0004
%RSD	260.37	64.225	357.86	.0400
#1	-.00047	.00003	.00015	.9987
#2	.00014	.00007	-.00035	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4386.6	3002.7	27915.	2677.3
Stddev	.7	.4	32.	2.2
%RSD	.01570	.01494	.11302	.08350
#1	4387.0	3003.1	27937.	2678.9
#2	4386.1	3002.4	27893.	2675.7

Sample Name: CCVL-6882776 Acquired: 3/8/2022 17:30:07 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.19661**	**.01389**	**.02112**	**.00187**
Stddev	.00018	.00235	.00061	.00016	.00001
%RSD	3.4806	1.1936	4.3998	.74290	.77567
#1	.00524	.19826	.01346	.02123	.00188
#2	.00499	.19495	.01432	.02101	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.52025**	**.00196**	**.0078**	**.00361**
Stddev	.00003	.00219	.00011	.0235	.00000
%RSD	1.4807	.42186	5.7950	298.8	.09132
#1	.00215	.52180	.00188	-.0087	.00361
#2	.00211	.51870	.00204	.0244	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.00953**	**.04954**	**.49159**	**.03032**
Stddev	.00018	.00014	.00109	.00129	.00122
%RSD	4.8288	1.4560	2.2078	.26333	4.0149
#1	.00388	.00963	.04876	.49068	.03118
#2	.00362	.00943	.05031	.49251	.02946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 17:30:07 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18500**	**.00287**	**.01073**	**.99904**	**.00959**
Stddev	.00190	.00009	.00011	.00270	.00014
%RSD	1.0271	3.0655	1.0459	.27046	1.5100
#1	.18366	.00294	.01065	.99713	.00949
#2	.18634	.00281	.01081	1.0010	.00969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00949**	**.18732**	**.02073**	**.02149**
Stddev	.00	.00063	.00232	.00021	.00124
%RSD	.0034	6.6020	1.2405	1.0295	5.7751
#1	25.00	.00994	.18896	.02058	.02237
#2	25.00	.00905	.18567	.02089	.02061
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49413**	**.00902**	**.00506**	F **1.001**	**.00484**
Stddev	.01390	.00035	.00004	.001	.00039
%RSD	2.8131	3.8339	.75792	.0705	8.0691
#1	.48430	.00878	.00508	1.001	.00456
#2	.50396	.00927	.00503	1.000	.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 17:30:07 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01968	.00425	.00891	F .9999
Stddev	.00019	.00053	.00024	.0006
%RSD	.95120	12.410	2.7291	.0606
#1	.01954	.00388	.00908	1.000
#2	.01981	.00462	.00874	.9995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4394.5	3029.0	27901.	2696.3
Stddev	3.6	4.3	65.	5.9
%RSD	.08133	.14337	.23302	.21707
#1	4397.0	3025.9	27855.	2692.1
#2	4392.0	3032.1	27946.	2700.4

Sample Name: 620-3170-E-8-A Acquired: 3/8/2022 17:33:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.01034**	**-.00098**	**.01531**	**.03827**
Stddev	.00094	.02435	.00156	.00006	.00001
%RSD	478.43	235.45	159.28	.38368	.01378
#1	-.00047	.00688	-.00208	.01535	.03827
#2	.00086	-.02756	.00012	.01527	.03828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**30.099**	**.00030**	**.0052**	**.00123**
Stddev	.00005	.055	.00019	.0077	.00010
%RSD	828.97	.18181	64.618	146.7	7.7905
#1	-.00004	30.061	.00044	.0107	.00116
#2	.00003	30.138	.00016	-.0002	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.13470**	**.01530**	**2.4987**	**.00180**
Stddev	.00009	.00124	.00313	.0051	.00161
%RSD	5.1742	.91991	20.451	.20576	89.318
#1	.00168	.13557	.01751	2.4950	.00294
#2	.00181	.13382	.01309	2.5023	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-8-A Acquired: 3/8/2022 17:33:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.9444**	**.01231**	**.00060**	**50.763**	**.32937**
Stddev	.0213	.00011	.00018	.051	.00003
%RSD	.54110	.92675	30.378	.10011	.00885
#1	3.9293	.01223	.00047	50.727	.32935
#2	3.9595	.01239	.00073	50.799	.32939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.84**	**.00058**	**2.1690**	**.06052**	**.00126**
Stddev	.00	.00036	.0029	.00036	.00091
%RSD	.0009	61.318	.13322	.58799	72.354
#1	24.84	.00083	2.1711	.06027	.00061
#2	24.84	.00033	2.1670	.06077	.00190
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.0557**	**-.00031**	**.11143**	**1.005**	**-.00011**
Stddev	.0148	.00005	.00032	.003	.00035
%RSD	.24507	15.013	.28317	.2827	313.94
#1	6.0662	-.00034	.11120	1.003	-.00036
#2	6.0452	-.00028	.11165	1.007	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-8-A Acquired: 3/8/2022 17:33:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00020	.00025	.70560	.9993
Stddev	.00139	.00062	.00191	.0005
%RSD	710.52	248.55	.27068	.0476
#1	.00079	-.00019	.70424	.9996
#2	-.00118	.00069	.70695	.9989
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4100.5	2944.6	27105.	2715.7
Stddev	2.0	.2	21.	4.7
%RSD	.04805	.00577	.07679	.17435
#1	4101.9	2944.7	27091.	2712.3
#2	4099.1	2944.5	27120.	2719.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.360%	94.061%	95.379%	99.780%
Range				

Sample Name: 620-3170-E-9-A Acquired: 3/8/2022 17:37:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.04449**	**-.00155**	**.01082**	**.01444**
Stddev	.00056	.01895	.00044	.00001	.00001
%RSD	114.98	42.595	28.606	.06720	.08167
#1	-.00009	.03109	-.00124	.01083	.01445
#2	-.00088	.05788	-.00187	.01082	.01443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**6.1107**	**-.00009**	**.0178**	**.00021**
Stddev	.00000	.0167	.00003	.0289	.00008
%RSD	4.3895	.27321	30.261	162.3	38.717
#1	-.00007	6.0989	-.00007	.0382	.00027
#2	-.00008	6.1226	-.00011	-.0026	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00107**	**.23800**	**1.2157**	**-.00026**
Stddev	.00016	.00038	.00007	.0039	.00085
%RSD	190.84	35.855	.03126	.31661	331.45
#1	.00019	.00135	.23795	1.2184	-.00086
#2	-.00003	.00080	.23805	1.2129	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-9-A Acquired: 3/8/2022 17:37:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.4376**	**.06462**	**.00004**	**26.548**	**.00051**
Stddev	.0053	.00009	.00008	.051	.00020
%RSD	.36999	.13405	191.97	.19290	40.284
#1	1.4338	.06468	-.00001	26.511	.00036
#2	1.4413	.06456	.00010	26.584	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00109**	**2.3333**	**-.00053**	**-.00177**
Stddev	.00	.00029	.0004	.00016	.00077
%RSD	.0020	26.581	.01613	29.198	43.325
#1	25.01	.00089	2.3331	-.00064	-.00232
#2	25.01	.00130	2.3336	-.00042	-.00123
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.2071**	**-.00036**	**.04732**	**1.006**	**-.00009**
Stddev	.0065	.00009	.00006	.002	.00024
%RSD	.20301	23.653	.12843	.1924	267.10
#1	3.2117	-.00042	.04728	1.005	-.00026
#2	3.2025	-.00030	.04737	1.007	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-9-A Acquired: 3/8/2022 17:37:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00048	.00000	.00781	.9998
Stddev	.00086	.00004	.00014	.0015
%RSD	180.48	3525.7	1.7991	.1477
#1	.00109	.00003	.00771	1.001
#2	-.00013	-.00003	.00791	.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4237.7	2982.0	27432.	2731.9
Stddev	5.3	.1	12.	9.0
%RSD	.12571	.00299	.04379	.32817
#1	4241.5	2981.9	27440.	2738.3
#2	4233.9	2982.1	27423.	2725.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.452%	95.256%	96.527%	100.38%
Range				

Sample Name: 620-3170-E-10-A Acquired: 3/8/2022 17:41:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.05311**	**.00049**	**.01076**	**.01431**
Stddev	.00032	.03649	.00003	.00035	.00008
%RSD	86.715	68.720	5.1615	3.2622	.54497
#1	-.00014	.02730	.00047	.01051	.01437
#2	-.00060	.07891	.00051	.01100	.01426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**6.1047**	**-.00019**	**.0250**	**.00008**
Stddev	.00004	.0100	.00002	.0123	.00013
%RSD	103.57	.16325	10.323	49.19	163.72
#1	-.00007	6.0977	-.00017	.0163	-.00001
#2	-.00001	6.1118	-.00020	.0337	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00107**	**.22544**	**1.2046**	**-.00014**
Stddev	.00006	.00029	.00311	.0066	.00141
%RSD	24.034	26.806	1.3817	.55236	1031.9
#1	.00029	.00087	.22324	1.2093	.00086
#2	.00021	.00128	.22765	1.1999	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-10-A Acquired: 3/8/2022 17:41:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.4321**	**.06471**	**-.00008**	**26.469**	**.00046**
Stddev	.0062	.00013	.00015	.062	.00021
%RSD	.43217	.19765	205.28	.23453	44.313
#1	1.4365	.06480	.00003	26.426	.00061
#2	1.4277	.06462	-.00019	26.513	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00059**	**2.3598**	**.00044**	**-.00123**
Stddev	.00	.00045	.0119	.00005	.00256
%RSD	.0005	76.725	.50428	10.306	208.85
#1	25.01	.00091	2.3514	.00041	.00059
#2	25.01	.00027	2.3682	.00047	-.00304
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.1887**	**-.00010**	**.04731**	**1.010**	**.00024**
Stddev	.0232	.00010	.00007	.002	.00022
%RSD	.72874	98.168	.14059	.2067	92.583
#1	3.1722	-.00017	.04736	1.012	.00039
#2	3.2051	-.00003	.04726	1.009	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3170-E-10-A Acquired: 3/8/2022 17:41:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00063	-.00004	.01533	1.000
Stddev	.00020	.00017	.00029	.000
%RSD	32.452	421.85	1.9030	.0135
#1	-.00077	.00008	.01513	1.000
#2	-.00048	-.00016	.01554	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4238.0	2987.7	27498.	2747.2
Stddev	5.6	5.3	12.	3.2
%RSD	.13236	.17841	.04425	.11802
#1	4242.0	2991.5	27489.	2744.9
#2	4234.1	2983.9	27507.	2749.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.459%	95.438%	96.760%	100.94%
Range				

Sample Name: 480-195428-D-1-A Acquired: 3/8/2022 17:45:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.40867**	**-.00099**	**.74062**	**.03736**
Stddev	.00066	.01194	.00014	.00076	.00003
%RSD	150.88	2.9217	13.747	.10241	.07027
#1	.00003	.40022	-.00109	.74008	.03738
#2	-.00091	.41711	-.00090	.74115	.03734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**12.063**	**-.00013**	**.0315**	**.00013**
Stddev	.00007	.008	.00009	.0412	.00005
%RSD	885.45	.06863	68.069	130.5	40.282
#1	.00006	12.057	-.00007	.0024	.00017
#2	-.00004	12.069	-.00019	.0606	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00026**	**.45199**	**1.1525**	**.00633**
Stddev	.00055	.00007	.00022	.0397	.00011
%RSD	54.390	25.588	.04779	3.4456	1.6694
#1	.00141	-.00031	.45214	1.1244	.00640
#2	.00063	-.00021	.45184	1.1806	.00626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-1-A Acquired: 3/8/2022 17:45:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.7768**	**.01595**	**.05989**	**79.741**	**.00009**
Stddev	.0156	.00007	.00009	.386	.00054
%RSD	.32653	.41682	.15774	.48380	582.41
#1	4.7658	.01600	.05996	80.013	-.00029
#2	4.7879	.01590	.05982	79.468	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.03**	**.00126**	**.65027**	**-.00155**	**-.00060**
Stddev	.00	.00044	.00274	.00141	.00264
%RSD	.0033	34.816	.42178	91.265	439.55
#1	25.03	.00157	.64833	-.00055	.00127
#2	25.03	.00095	.65221	-.00255	-.00247
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.0948**	**.00017**	**.47865**	**1.008**	**.01306**
Stddev	.0086	.00051	.00104	.005	.00099
%RSD	.14160	295.47	.21728	.4571	7.5581
#1	6.0887	-.00019	.47791	1.005	.01376
#2	6.1009	.00054	.47938	1.011	.01236
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-1-A Acquired: 3/8/2022 17:45:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00023	.00080	.00079	1.001
Stddev	.00119	.00045	.00017	.000
%RSD	519.91	55.834	21.029	.0299
#1	-.00107	.00048	.00091	1.001
#2	.00061	.00111	.00067	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4093.1	2957.1	27062.	2734.2
Stddev	3.2	2.2	14.	5.7
%RSD	.07739	.07437	.05043	.21020
#1	4090.9	2955.5	27052.	2730.1
#2	4095.4	2958.6	27072.	2738.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.195%	94.460%	95.227%	100.46%
Range				

Sample Name: 480-195428-D-2-A Acquired: 3/8/2022 17:48:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.03186**	**-.00156**	**.18150**	**.23904**
Stddev	.00008	.01818	.00171	.00020	.00001
%RSD	17.505	57.076	109.22	.11070	.00364
#1	-.00048	-.04472	-.00036	.18164	.23905
#2	-.00038	-.01900	-.00277	.18135	.23904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**41.428**	**.00029**	**-.0318**	**-.00019**
Stddev	.00006	.078	.00003	.0283	.00016
%RSD	222.55	.18863	9.4505	88.93	82.021
#1	-.00001	41.373	.00027	-.0118	-.00008
#2	.00006	41.484	.00031	-.0518	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00058**	**.38457**	**1.3212**	**.01196**
Stddev	.00017	.00011	.00358	.0238	.00094
%RSD	80.265	18.770	.93196	1.8014	7.8861
#1	.00009	-.00066	.38203	1.3044	.01262
#2	.00033	-.00050	.38710	1.3380	.01129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-2-A Acquired: 3/8/2022 17:48:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.247**	**.01302**	**.00605**	**15.287**	**-.00068**
Stddev	.006	.00004	.00008	.059	.00025
%RSD	.02604	.32788	1.3554	.38490	36.740
#1	23.243	.01299	.00599	15.245	-.00086
#2	23.251	.01305	.00611	15.328	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**-.00001**	**5.2253**	**-.00070**	**.00061**
Stddev	.00	.00029	.0030	.00078	.00103
%RSD	.0002	2266.6	.05787	111.73	167.90
#1	25.02	-.00022	5.2274	-.00015	.00134
#2	25.02	.00019	5.2232	-.00125	-.00011
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.3067**	**.00067**	**6.0200**	**.9995**	**-.00027**
Stddev	.0401	.00007	.0291	.0064	.00023
%RSD	.48266	10.278	.48275	.6436	82.984
#1	8.2783	.00062	5.9995	1.004	-.00043
#2	8.3350	.00072	6.0406	.9950	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-2-A Acquired: 3/8/2022 17:48:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00067	-.00076	-.00001	.9989
Stddev	.00124	.00037	.00018	.0000
%RSD	184.58	48.433	1598.5	.0031
#1	.00155	-.00050	.00012	.9990
#2	-.00021	-.00102	-.00014	.9989
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4100.8	2926.3	27087.	2697.9
Stddev	4.3	3.0	92.	15.1
%RSD	.10529	.10253	.34048	.56084
#1	4103.9	2928.4	27152.	2708.6
#2	4097.8	2924.2	27022.	2687.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.369%	93.477%	95.314%	99.126%
Range				

Sample Name: 480-195428-D-3-A Acquired: 3/8/2022 17:52:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	-.01138	.00763	.81141	.05424
Stddev	.00039	.02983	.00108	.00200	.00004
%RSD	85.144	262.18	14.107	.24660	.06971
#1	-.00018	-.03247	.00839	.81000	.05421
#2	-.00074	.00971	.00687	.81283	.05426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	50.953	.00008	-.0131	-.00004
Stddev	.00008	.013	.00016	.0028	.00005
%RSD	1308.8	.02566	207.09	21.35	125.18
#1	-.00005	50.963	.00019	-.0151	-.00000
#2	.00006	50.944	-.00004	-.0111	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00004	.57759	3.2294	.01284
Stddev	.00028	.00017	.00201	.0111	.00013
%RSD	160.85	432.10	.34879	.34498	1.0490
#1	-.00002	.00008	.57902	3.2373	.01275
#2	.00037	-.00016	.57617	3.2215	.01294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-3-A Acquired: 3/8/2022 17:52:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.136**	**.03358**	**.11568**	**96.083**	**.00024**
Stddev	.008	.00008	.00011	.106	.00013
%RSD	.04218	.23806	.09085	.11044	52.560
#1	18.131	.03352	.11576	96.008	.00034
#2	18.142	.03364	.11561	96.158	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**-.00013**	**47.452**	**-.00016**	**-.00102**
Stddev	.00	.00148	.159	.00098	.00089
%RSD	.0029	1138.6	.33605	622.33	87.267
#1	25.02	.00092	47.565	-.00085	-.00165
#2	25.02	-.00118	47.340	.00054	-.00039
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.3459**	**.00001**	**1.2076**	**1.000**	**-.00016**
Stddev	.0166	.00025	.0005	.009	.00005
%RSD	.26101	3534.5	.04508	.8729	29.796
#1	6.3342	-.00017	1.2072	1.006	-.00020
#2	6.3576	.00018	1.2079	.9939	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-3-A Acquired: 3/8/2022 17:52:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00034	-.00037	-.00001	1.000
Stddev	.00076	.00021	.00031	.001
%RSD	223.45	57.889	3833.7	.1076
#1	-.00087	-.00052	-.00023	.9993
#2	.00020	-.00022	.00021	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3956.3	2871.8	26479.	2675.4
Stddev	3.5	5.1	21.	7.6
%RSD	.08914	.17930	.07989	.28572
#1	3953.8	2868.2	26494.	2680.8
#2	3958.8	2875.5	26465.	2670.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.113%	91.737%	93.176%	98.299%
Range				

Sample Name: 480-195428-D-4-A Acquired: 3/8/2022 17:56:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01856**	**.00823**	**.71014**	**.05624**
Stddev	.00012	.02163	.00154	.00012	.00002
%RSD	62.241	116.54	18.694	.01710	.02846
#1	-.00011	.03386	.00931	.71006	.05625
#2	-.00028	.00327	.00714	.71023	.05622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**17.051**	**-.00006**	**.0061**	**.00003**
Stddev	.00006	.139	.00000	.0173	.00010
%RSD	2301.2	.81292	.86504	284.3	345.53
#1	-.00004	16.953	-.00006	-.0061	.00010
#2	.00004	17.149	-.00006	.0183	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00011**	**.04878**	**1.1511**	**.00127**
Stddev	.00036	.00022	.00033	.0164	.00035
%RSD	68.935	206.14	.68502	1.4214	27.541
#1	.00027	.00026	.04854	1.1627	.00103
#2	.00077	-.00005	.04901	1.1396	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-4-A Acquired: 3/8/2022 17:56:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.5755**	**.02854**	**.27046**	**66.063**	**.00072**
Stddev	.0031	.00002	.00045	.584	.00002
%RSD	.05631	.06007	.16721	.88369	2.8741
#1	5.5778	.02855	.27078	65.650	.00070
#2	5.5733	.02853	.27014	66.476	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00114**	**3.4988**	**-.00110**	**.00008**
Stddev	.00	.00018	.0000	.00161	.00106
%RSD	.0033	15.511	.00077	145.90	1300.0
#1	25.02	.00127	3.4987	.00003	-.00067
#2	25.02	.00102	3.4988	-.00224	.00083
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.7631**	**.00026**	**.45591**	**1.008**	**.00022**
Stddev	.0092	.00000	.00224	.005	.00021
%RSD	.19428	1.5590	.49184	.4861	92.624
#1	4.7565	.00025	.45432	1.011	.00008
#2	4.7696	.00026	.45749	1.004	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-4-A Acquired: 3/8/2022 17:56:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00012	.00023	.00316	1.000
Stddev	.00022	.00035	.00016	.002
%RSD	185.43	152.32	4.9540	.1918
#1	-.00004	.00047	.00305	.9987
#2	.00027	-.00002	.00327	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4084.4	2939.0	26872.	2717.3
Stddev	.9	.8	113.	35.4
%RSD	.02111	.02580	.42084	1.3026
#1	4085.0	2938.5	26792.	2742.4
#2	4083.8	2939.6	26952.	2692.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.999%	93.884%	94.559%	99.841%
Range				

Sample Name: 480-195428-D-5-A Acquired: 3/8/2022 18:00:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.01104**	**.00826**	**.72642**	**.07289**
Stddev	.00069	.01949	.00130	.00043	.00011
%RSD	86.771	176.49	15.704	.05976	.14994
#1	-.00128	-.02482	.00734	.72611	.07281
#2	-.00031	.00274	.00918	.72673	.07296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**13.018**	**-.00008**	**-.0115**	**-.00002**
Stddev	.00001	.047	.00005	.0047	.00011
%RSD	24.461	.35893	63.075	40.70	690.82
#1	-.00005	12.985	-.00004	-.0148	-.00009
#2	-.00007	13.051	-.00011	-.0082	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00057**	**.02524**	**1.5475**	**.00211**
Stddev	.00020	.00018	.00132	.0029	.00202
%RSD	173.95	31.134	5.2174	.18422	95.657
#1	-.00003	.00070	.02617	1.5495	.00354
#2	.00026	.00045	.02431	1.5455	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-5-A Acquired: 3/8/2022 18:00:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.4418**	**.01814**	**.28652**	**91.962**	**.00035**
Stddev	.0047	.00015	.00049	.166	.00009
%RSD	.10596	.82572	.17260	.18096	25.038
#1	4.4385	.01803	.28687	91.844	.00041
#2	4.4452	.01824	.28617	92.080	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**-.00060**	**7.0139**	**.00068**	**-.00032**
Stddev	.00	.00026	.0131	.00270	.00023
%RSD	.0033	44.146	.18660	399.31	70.674
#1	25.02	-.00041	7.0046	-.00123	-.00048
#2	25.02	-.00078	7.0231	.00259	-.00016
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.4097**	**-.00043**	**.39326**	**1.004**	**-.00030**
Stddev	.0031	.00006	.00019	.003	.00012
%RSD	.06919	14.068	.04910	.2516	39.139
#1	4.4075	-.00047	.39313	1.002	-.00039
#2	4.4118	-.00039	.39340	1.006	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195428-D-5-A Acquired: 3/8/2022 18:00:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00052	.00070	.00040	.9989
Stddev	.00039	.00033	.00014	.0011
%RSD	75.247	46.802	35.535	.1081
#1	.00024	.00093	.00050	.9981
#2	.00080	.00047	.00030	.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4076.3	2950.9	27060.	2742.6
Stddev	3.0	4.7	12.	4.1
%RSD	.07285	.15765	.04465	.14804
#1	4078.4	2954.2	27068.	2745.5
#2	4074.2	2947.6	27051.	2739.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.817%	94.264%	95.219%	100.77%
Range				

Sample Name: 620-3247-G-1-A Acquired: 3/8/2022 18:03:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00136	.00838	.00051	.32274	.03841
Stddev	.00012	.00992	.00101	.00099	.00015
%RSD	8.8166	118.34	198.74	.30552	.39782
#1	-.00144	.00137	-.00021	.32344	.03852
#2	-.00127	.01539	.00122	.32204	.03830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	71.569	-.00011	-.0545	.00013
Stddev	.00003	.103	.00005	.0006	.00006
%RSD	27.241	.14429	51.165	1.119	44.771
#1	-.00012	71.642	-.00014	-.0549	.00009
#2	-.00008	71.496	-.00007	-.0541	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00087	-.00019	33.978	8.9276	.00171
Stddev	.00003	.00017	.057	.0557	.00025
%RSD	3.6220	89.429	.16776	.62407	14.649
#1	.00085	-.00007	34.019	8.9670	.00188
#2	.00090	-.00031	33.938	8.8882	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-1-A Acquired: 3/8/2022 18:03:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.0758**	**2.7140**	**.00169**	**39.668**	**.00056**
Stddev	.0321	.0130	.00020	.090	.00000
%RSD	.45324	.47980	11.971	.22733	.69991
#1	7.0985	2.7232	.00155	39.732	.00056
#2	7.0532	2.7048	.00183	39.604	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00351**	**9.4164**	**.00682**	**.00283**
Stddev	.00	.00064	.0085	.00306	.00070
%RSD	.0021	18.279	.08988	44.856	24.703
#1	25.01	.00306	9.4104	.00465	.00333
#2	25.01	.00397	9.4224	.00898	.00234
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.1386**	**.00007**	**.34820**	**1.018**	**.00032**
Stddev	.0222	.00034	.00099	.004	.00018
%RSD	.43290	494.13	.28310	.3426	56.128
#1	5.1543	.00031	.34890	1.015	.00045
#2	5.1228	-.00017	.34751	1.020	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-1-A Acquired: 3/8/2022 18:03:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00030	.00086	.00151	1.001
Stddev	.00005	.00034	.00032	.000
%RSD	15.931	38.966	21.038	.0019
#1	-.00034	.00063	.00129	1.001
#2	-.00027	.00110	.00174	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4036.3	2928.7	27033.	2736.9
Stddev	.5	2.3	179.	16.1
%RSD	.01115	.07875	.66378	.58666
#1	4036.7	2930.3	26906.	2725.5
#2	4036.0	2927.1	27160.	2748.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.916%	93.553%	95.125%	100.56%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:07:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.94182	49.212	1.0007	1.0169	.99009
Stddev	.00110	.117	.0028	.0007	.00068
%RSD	.11640	.23694	.27713	.06559	.06901
#1	.94104	49.129	1.0027	1.0164	.98961
#2	.94259	49.294	.99873	1.0174	.99057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0287	50.482	1.0146	1.039	.96958
Stddev	.0018	.158	.0004	.036	.00051
%RSD	.17479	.31231	.04482	3.496	.05224
#1	1.0274	50.371	1.0142	1.064	.96994
#2	1.0300	50.594	1.0149	1.013	.96922
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0115	1.0064	48.703	48.847	1.0103
Stddev	.0029	.0000	.367	.138	.0028
%RSD	.28956	.00420	.75457	.28302	.27575
#1	1.0095	1.0063	48.443	48.749	1.0083
#2	1.0136	1.0064	48.963	48.945	1.0122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:07:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.378**	**.98942**	**1.0224**	**49.972**	**.97274**
Stddev	.107	.00119	.0008	.080	.00044
%RSD	.22103	.12034	.07447	.16005	.04505
#1	48.303	.98858	1.0230	49.915	.97243
#2	48.454	.99026	1.0219	50.028	.97305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.38**	**.97287**	**25.195**	**1.0180**	**1.0028**
Stddev	.00	.00320	.016	.0056	.0042
%RSD	.0128	.32925	.06326	.54606	.42105
#1	37.37	.97061	25.207	1.0140	1.0058
#2	37.38	.97514	25.184	1.0219	.99979
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.103**	**.96502**	**1.0058**	**1.486**	**1.0183**
Stddev	.109	.00162	.0010	.013	.0012
%RSD	1.0828	.16779	.09500	.8402	.11263
#1	10.026	.96617	1.0051	1.477	1.0175
#2	10.181	.96388	1.0065	1.495	1.0192
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:07:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.97548	.95867	.92837	1.473
Stddev	.00251	.00241	.00244	.001
%RSD	.25698	.25132	.26238	.0546
#1	.97370	.95697	.92665	1.474
#2	.97725	.96038	.93009	1.473
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3848.4	2908.1	26353.	2664.3
Stddev	.6	1.0	86.	6.4
%RSD	.01554	.03305	.32528	.24138
#1	3848.9	2908.7	26413.	2668.9
#2	3848.0	2907.4	26292.	2659.8

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:11:02 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.02272**	**-.00081**	**.00113**	**-.00015**
Stddev	.00017	.00376	.00010	.00069	.00001
%RSD	53.655	16.538	12.247	60.947	4.8263
#1	-.00044	-.02006	-.00088	.00064	-.00015
#2	-.00020	-.02537	-.00074	.00162	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00292**	**-.00016**	**.0245**	**-.00004**
Stddev	.00001	.00161	.00006	.0198	.00007
%RSD	50.260	55.238	37.872	80.71	170.57
#1	.00002	-.00178	-.00012	.0105	-.00008
#2	.00004	-.00406	-.00020	.0385	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00025**	**-.00235**	**.07410**	**-.00112**
Stddev	.00038	.00032	.00134	.01136	.00058
%RSD	219.07	125.53	56.878	15.336	51.631
#1	.00044	.00003	-.00329	.06606	-.00153
#2	-.00010	.00048	-.00140	.08213	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:11:02 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00478**	**-.00010**	**.00132**	**.02059**	**-.00013**
Stddev	.00218	.00007	.00010	.00339	.00005
%RSD	45.687	73.198	7.5632	16.476	36.025
#1	-.00324	-.00005	.00125	.02299	-.00010
#2	-.00632	-.00015	.00139	.01820	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00030**	**-.00705**	**.00036**	**.00102**
Stddev	.00	.00041	.00195	.00200	.00128
%RSD	.0019	139.24	27.599	549.53	125.66
#1	25.01	-.00000	-.00843	.00178	.00192
#2	25.01	-.00059	-.00567	-.00105	.00011
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.02543**	**.00001**	**-.00000**	**1.002**	**-.00027**
Stddev	.01178	.00023	.00010	.007	.00004
%RSD	46.312	2492.2	3326.3	.7167	14.699
#1	-.01710	.00017	.00007	.9972	-.00024
#2	-.03376	-.00015	-.00007	1.007	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:11:02 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00082	.00019	-.00063	.9992
Stddev	.00059	.00011	.00007	.0016
%RSD	72.346	55.773	10.651	.1589
#1	.00040	.00027	-.00068	1.000
#2	.00124	.00012	-.00059	.9981
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4392.8	3015.6	27846.	2667.3
Stddev	.1	5.2	140.	3.8
%RSD	.00336	.17101	.50296	.14189
#1	4392.9	3011.9	27747.	2664.6
#2	4392.7	3019.2	27945.	2669.9

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:14:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**.16603**	**.01153**	**.02167**	**.00192**
Stddev	.00001	.00297	.00075	.00031	.00004
%RSD	.24235	1.7914	6.4964	1.4147	1.8545
#1	.00548	.16393	.01206	.02146	.00194
#2	.00550	.16814	.01100	.02189	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.50027**	**.00197**	**.0081**	**.00356**
Stddev	.00000	.00489	.00004	.0556	.00015
%RSD	.02834	.97840	2.0369	688.8	4.2098
#1	.00207	.49681	.00194	-.0313	.00346
#2	.00208	.50373	.00200	.0474	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**.01034**	**.04793**	**.47516**	**.02894**
Stddev	.00015	.00017	.00091	.03853	.00017
%RSD	3.9439	1.6161	1.8940	8.1079	.57639
#1	.00366	.01046	.04857	.50240	.02882
#2	.00387	.01022	.04729	.44792	.02906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:14:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18754**	**.00294**	**.01092**	**.99540**	**.00952**
Stddev	.00341	.00001	.00001	.00757	.00013
%RSD	1.8197	.30882	.11209	.76086	1.3444
#1	.18512	.00295	.01093	.99004	.00961
#2	.18995	.00294	.01091	1.0008	.00943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00997**	**.17787**	**.02004**	**.02419**
Stddev	.00	.00076	.00177	.00123	.00124
%RSD	.0038	7.5771	.99563	6.1255	5.1286
#1	25.00	.01050	.17912	.02091	.02331
#2	25.00	.00943	.17662	.01917	.02507
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47392**	**.00889**	**.00513**	F **1.002**	**.00482**
Stddev	.01318	.00029	.00003	.002	.00003
%RSD	2.7814	3.2786	.63961	.1630	.54219
#1	.46460	.00868	.00510	1.001	.00484
#2	.48324	.00909	.00515	1.003	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:14:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01908	.00488	.00927	F .9999
Stddev	.00002	.00074	.00053	.0002
%RSD	.09740	15.126	5.7641	.0167
#1	.01909	.00435	.00965	.9998
#2	.01906	.00540	.00890	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4371.0	3014.6	27803.	2693.1
Stddev	.5	.3	27.	10.4
%RSD	.01065	.00844	.09844	.38632
#1	4371.4	3014.7	27823.	2685.7
#2	4370.7	3014.4	27784.	2700.5

Sample Name: 620-3247-G-2-A Acquired: 3/8/2022 18:18:42 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.01453	-.00009	.49126	.03216
Stddev	.00057	.02917	.00188	.00088	.00013
%RSD	253.67	200.72	2006.4	.17970	.39215
#1	.00063	-.00609	.00124	.49063	.03225
#2	-.00018	.03516	-.00142	.49188	.03207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	42.498	-.00019	-.0063	.00057
Stddev	.00010	.005	.00000	.0134	.00001
%RSD	171.58	.01259	2.2965	214.2	1.1020
#1	-.00013	42.502	-.00018	.0032	.00058
#2	.00001	42.494	-.00019	-.0158	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00144	.00109	57.697	10.162	.00127
Stddev	.00001	.00023	.013	.013	.00159
%RSD	.36309	21.318	.02259	.12461	124.69
#1	.00144	.00125	57.706	10.153	.00015
#2	.00144	.00092	57.688	10.170	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-A Acquired: 3/8/2022 18:18:42 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.2242**	**1.1764**	**.00399**	**54.199**	**.00181**
Stddev	.0029	.0020	.00006	.072	.00017
%RSD	.04733	.17336	1.6144	.13338	9.4513
#1	6.2263	1.1778	.00404	54.148	.00193
#2	6.2221	1.1749	.00395	54.250	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**.00449**	**3.0541**	**.01060**	**.00600**
Stddev	.00	.00060	.0127	.00064	.00268
%RSD	.0001	13.310	.41658	6.0055	44.761
#1	25.00	.00491	3.0451	.01015	.00410
#2	25.00	.00407	3.0631	.01105	.00789
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.5102**	**.00004**	**.25360**	**1.026**	**.00098**
Stddev	.0113	.00027	.00024	.007	.00014
%RSD	.20549	695.07	.09550	.7177	14.748
#1	5.5182	-.00015	.25343	1.021	.00108
#2	5.5022	.00023	.25378	1.031	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-A Acquired: 3/8/2022 18:18:42 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00146	.00273	.01617	1.001
Stddev	.00014	.00029	.00007	.001
%RSD	9.8393	10.516	.40269	.0736
#1	-.00136	.00294	.01622	1.001
#2	-.00157	.00253	.01613	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4041.4	2941.0	27181.	2794.6
Stddev	1.9	3.3	64.	2.8
%RSD	.04749	.11054	.23577	.09994
#1	4040.0	2938.7	27136.	2796.5
#2	4042.7	2943.3	27227.	2792.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.030%	93.948%	95.646%	102.68%
Range				

Sample Name: 620-3247-G-2-ASD@5 Acquired: 3/8/2022 18:22:25 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**-.01958**	**.00047**	**.09488**	**.00631**
Stddev	.00032	.03647	.00109	.00007	.00004
%RSD	46.768	186.26	234.27	.06898	.55874
#1	-.00090	.00621	-.00031	.09483	.00633
#2	-.00045	-.04536	.00124	.09492	.00628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**8.9292**	**-.00010**	**.0208**	**-.00004**
Stddev	.00002	.0215	.00006	.0233	.00014
%RSD	77.474	.24039	58.343	112.2	335.45
#1	-.00004	8.9140	-.00006	.0373	.00006
#2	-.00001	8.9444	-.00014	.0043	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00005**	**11.538**	**2.0118**	**.00002**
Stddev	.00032	.00063	.067	.0204	.00045
%RSD	331.99	1372.0	.58288	1.0145	3020.3
#1	-.00032	.00049	11.490	1.9974	-.00031
#2	.00013	-.00040	11.585	2.0262	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-ASD@5 Acquired: 3/8/2022 18:22:25 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2521**	**.23513**	**.00083**	**10.743**	**.00033**
Stddev	.0072	.00023	.00011	.017	.00023
%RSD	.57397	.09872	13.798	.16272	68.027
#1	1.2572	.23529	.00075	10.731	.00017
#2	1.2471	.23496	.00091	10.756	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00079**	**.59089**	**.00242**	**-.00019**
Stddev	.00	.00033	.00052	.00120	.00346
%RSD	.0010	42.300	.08795	49.709	1845.1
#1	25.01	.00103	.59125	.00157	-.00263
#2	25.01	.00055	.59052	.00327	.00226
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0808**	**-.00006**	**.05074**	**1.003**	**.00005**
Stddev	.0133	.00019	.00008	.002	.00008
%RSD	1.2284	336.30	.16346	.2344	173.09
#1	1.0714	-.00019	.05080	1.001	.00010
#2	1.0901	.00008	.05068	1.005	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-ASD@5 Acquired: 3/8/2022 18:22:25 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00011	.00008	.00355	1.000
Stddev	.00022	.00005	.00043	.001
%RSD	208.69	60.836	12.115	.1175
#1	-.00026	.00011	.00386	1.001
#2	.00005	.00005	.00325	.9993
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4287.7	2994.0	27627.	2723.4
Stddev	2.6	2.1	64.	11.2
%RSD	.06147	.07010	.23151	.41142
#1	4285.8	2992.5	27582.	2731.3
#2	4289.6	2995.5	27672.	2715.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.578%	95.640%	97.213%	100.06%
Range				

Sample Name: 620-3247-G-2-APDS Acquired: 3/8/2022 18:26:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04776	10.023	.21518	.68520	.23434
Stddev	.00051	.020	.00030	.00125	.00015
%RSD	1.0618	.19524	.14010	.18312	.06538
#1	.04740	10.037	.21496	.68608	.23424
#2	.04812	10.009	.21539	.68431	.23445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22096	53.500	.20855	.0047	.19698
Stddev	.00002	.113	.00001	.0137	.00009
%RSD	.01050	.21198	.00424	291.6	.04783
#1	.22097	53.580	.20855	.0144	.19691
#2	.22094	53.420	.20854	-.0050	.19704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20499	.20388	63.957	19.520	.20537
Stddev	.00005	.00034	.355	.008	.00119
%RSD	.02450	.16523	.55445	.04099	.57831
#1	.20496	.20365	63.706	19.515	.20453
#2	.20503	.20412	64.208	19.526	.20621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-APDS Acquired: 3/8/2022 18:26:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**15.779**	**1.3267**	**.21654**	**65.349**	**.19860**
Stddev	.028	.0033	.00078	.010	.00028
%RSD	.17718	.24917	.36007	.01457	.13953
#1	15.759	1.3244	.21709	65.356	.19879
#2	15.798	1.3290	.21599	65.342	.19840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.75**	**.20348**	**13.556**	**.23542**	**.20687**
Stddev	.00	.00083	.016	.00029	.00049
%RSD	.0000	.41000	.11598	.12412	.23584
#1	24.75	.20407	13.567	.23521	.20653
#2	24.75	.20289	13.545	.23563	.20722
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**15.312**	**.19334**	**.44982**	**1.033**	**.21010**
Stddev	.039	.00025	.00007	.003	.00029
%RSD	.25241	.13154	.01659	.3090	.13821
#1	15.285	.19316	.44976	1.031	.20990
#2	15.339	.19352	.44987	1.035	.21031
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-APDS Acquired: 3/8/2022 18:26:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.19947	.19606	.20905	1.002
Stddev	.00133	.00094	.00112	.001
%RSD	.66617	.48025	.53401	.0713
#1	.20041	.19540	.20826	1.002
#2	.19853	.19673	.20984	1.003
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3962.8	2922.2	26920.	2732.4
Stddev	3.2	1.5	84.	4.1
%RSD	.08077	.05134	.31170	.14995
#1	3965.1	2921.1	26979.	2729.5
#2	3960.5	2923.2	26860.	2735.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.259%	93.345%	94.725%	100.39%
Range				

Sample Name: 620-3247-G-2-B MS Acquired: 3/8/2022 18:29:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05002	10.120	.21496	.70615	.24058
Stddev	.00111	.052	.00258	.00035	.00023
%RSD	2.2260	.51317	1.1986	.04984	.09427
#1	.05080	10.157	.21678	.70640	.24074
#2	.04923	10.083	.21314	.70590	.24041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21889	54.178	.20844	-.0048	.19754
Stddev	.00113	.126	.00023	.0120	.00004
%RSD	.51401	.23220	.11266	246.8	.01799
#1	.21969	54.267	.20828	.0036	.19756
#2	.21810	54.089	.20861	-.0133	.19751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20316	.20461	66.501	20.127	.20658
Stddev	.00121	.00050	.354	.082	.00354
%RSD	.59495	.24613	.53302	.40633	1.7152
#1	.20230	.20497	66.752	20.185	.20408
#2	.20401	.20425	66.250	20.069	.20909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-B MS Acquired: 3/8/2022 18:29:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.053**	**1.3784**	**.21882**	**66.633**	**.19847**
Stddev	.021	.0004	.00033	.327	.00060
%RSD	.12915	.03113	.15255	.49132	.30388
#1	16.067	1.3787	.21905	66.864	.19804
#2	16.038	1.3781	.21858	66.401	.19889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**.20462**	**13.309**	**.23395**	**.21095**
Stddev	.00	.00074	.020	.00138	.00414
%RSD	.0052	.36331	.15026	.58907	1.9630
#1	24.76	.20514	13.324	.23298	.21387
#2	24.76	.20409	13.295	.23493	.20802
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**15.940**	**.19177**	**.46081**	**1.029**	**.20888**
Stddev	.105	.00006	.00024	.003	.00077
%RSD	.66121	.03138	.05137	.2730	.37028
#1	16.015	.19173	.46098	1.031	.20833
#2	15.866	.19181	.46065	1.027	.20943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-B MS Acquired: 3/8/2022 18:29:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20034	.20162	.21058	1.002
Stddev	.00122	.00023	.00094	.002
%RSD	.61118	.11308	.44754	.1716
#1	.20120	.20145	.20991	1.003
#2	.19947	.20178	.21124	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3945.1	2919.0	26909.	2748.4
Stddev	.3	1.0	60.	17.7
%RSD	.00837	.03460	.22124	.64295
#1	3944.9	2918.3	26867.	2735.9
#2	3945.3	2919.7	26951.	2760.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.861%	93.243%	94.689%	100.98%
Range				

Sample Name: 620-3247-G-2-C MSD Acquired: 3/8/2022 18:33:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05137	10.286	.21960	.72065	.24713
Stddev	.00007	.059	.00139	.00114	.00028
%RSD	.14331	.57773	.63083	.15845	.11465
#1	.05143	10.328	.22058	.71984	.24693
#2	.05132	10.244	.21862	.72145	.24733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22154	54.133	.21235	-.0252	.20141
Stddev	.00111	.186	.00014	.0410	.00002
%RSD	.50295	.34279	.06724	163.0	.00992
#1	.22233	54.265	.21225	.0038	.20140
#2	.22075	54.002	.21245	-.0542	.20142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20871	.20902	68.079	20.660	.21121
Stddev	.00223	.00068	.048	.105	.00066
%RSD	1.0676	.32311	.06994	.50663	.31051
#1	.21029	.20950	68.046	20.734	.21075
#2	.20714	.20854	68.113	20.586	.21167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-C MSD Acquired: 3/8/2022 18:33:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.467**	**1.4074**	**.22523**	**67.091**	**.20283**
Stddev	.030	.0019	.00017	.178	.00021
%RSD	.18047	.13642	.07593	.26559	.10472
#1	16.446	1.4061	.22511	67.217	.20268
#2	16.488	1.4088	.22535	66.965	.20298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**.20733**	**13.413**	**.23747**	**.21840**
Stddev	.00	.00042	.011	.00041	.00030
%RSD	.0040	.20424	.08116	.17067	.13734
#1	24.76	.20763	13.421	.23775	.21861
#2	24.76	.20703	13.406	.23718	.21819
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.283**	**.19457**	**.47041**	**1.032**	**.21166**
Stddev	.009	.00043	.00178	.008	.00092
%RSD	.05622	.22083	.37894	.7521	.43409
#1	16.277	.19487	.47167	1.026	.21231
#2	16.290	.19426	.46915	1.037	.21101
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-2-C MSD Acquired: 3/8/2022 18:33:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20665	.21271	.21693	1.002
Stddev	.00130	.00082	.00125	.001
%RSD	.62995	.38319	.57819	.1343
#1	.20573	.21213	.21604	1.003
#2	.20757	.21328	.21782	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3932.7	2915.0	26760.	2769.3
Stddev	1.0	2.2	97.	5.2
%RSD	.02471	.07581	.36145	.18671
#1	3933.4	2916.6	26692.	2765.6
#2	3932.0	2913.5	26829.	2772.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.582%	93.117%	94.164%	101.75%
Range				

Sample Name: 620-3247-G-3-A Acquired: 3/8/2022 18:36:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.01031**	**.00206**	**.29370**	**.07646**
Stddev	.00027	.00517	.00093	.00037	.00008
%RSD	29.952	50.112	45.315	.12541	.10595
#1	-.00109	.01396	.00140	.29344	.07640
#2	-.00071	.00666	.00272	.29396	.07652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**73.030**	**-.00009**	**-.0382**	**.00008**
Stddev	.00002	.299	.00003	.0262	.00002
%RSD	43.036	.40917	31.352	68.54	19.606
#1	.00003	72.819	-.00007	-.0566	.00007
#2	.00006	73.242	-.00012	-.0197	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00085**	**31.253**	**8.8022**	**.00209**
Stddev	.00010	.00053	.073	.0157	.00182
%RSD	16.139	62.321	.23304	.17784	87.305
#1	.00070	.00123	31.202	8.8132	.00080
#2	.00055	.00048	31.305	8.7911	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-3-A Acquired: 3/8/2022 18:36:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.6579**	**2.6367**	**.00126**	**35.090**	**.00055**
Stddev	.0177	.0022	.00009	.116	.00018
%RSD	.23150	.08335	6.8381	.33030	32.352
#1	7.6705	2.6382	.00132	35.008	.00067
#2	7.6454	2.6351	.00120	35.172	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00244**	**3.9297**	**.00640**	**.00164**
Stddev	.00	.00009	.0143	.00055	.00383
%RSD	.0011	3.5747	.36408	8.5922	233.35
#1	25.02	.00250	3.9196	.00679	-.00107
#2	25.02	.00238	3.9399	.00601	.00435
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.9645**	**-.00017**	**.36274**	**1.018**	**.00116**
Stddev	.0190	.00007	.00104	.004	.00035
%RSD	.38251	41.599	.28742	.3901	30.687
#1	4.9511	-.00022	.36200	1.021	.00090
#2	4.9780	-.00012	.36347	1.015	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-3-A Acquired: 3/8/2022 18:36:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00071	.00081	.00169	1.000
Stddev	.00026	.00018	.00005	.001
%RSD	36.260	22.318	3.0739	.0739
#1	-.00053	.00068	.00172	.9998
#2	-.00089	.00093	.00165	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4045.2	2942.1	27059.	2761.5
Stddev	2.5	1.4	.	17.7
%RSD	.06184	.04600	.00124	.64004
#1	4047.0	2943.0	27059.	2774.0
#2	4043.4	2941.1	27059.	2749.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.115%	93.980%	95.216%	101.47%
Range				

Sample Name: 620-3247-G-4-A Acquired: 3/8/2022 18:40:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	.05817	.00100	.19231	.01220
Stddev	.00042	.00780	.00006	.00025	.00006
%RSD	90.697	13.406	5.6331	.12989	.48767
#1	-.00076	.06369	.00096	.19214	.01225
#2	-.00017	.05266	.00104	.19249	.01216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	36.790	.00000	-.0049	.00004
Stddev	.00003	.117	.00001	.0242	.00013
%RSD	84.131	.31727	7063.3	492.2	359.47
#1	-.00005	36.872	-.00001	-.0221	.00013
#2	-.00001	36.707	.00001	.0122	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.00041	19.621	6.5038	.00001
Stddev	.00014	.00028	.025	.0017	.00035
%RSD	13.914	67.873	.12553	.02556	5468.3
#1	.00112	.00060	19.603	6.5050	.00025
#2	.00092	.00021	19.638	6.5027	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-4-A Acquired: 3/8/2022 18:40:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.3019**	**.78187**	**.00891**	**19.220**	**.00080**
Stddev	.0082	.00004	.00001	.055	.00013
%RSD	.35468	.00503	.12595	.28435	16.006
#1	2.3076	.78184	.00892	19.259	.00071
#2	2.2961	.78190	.00891	19.182	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00138**	**5.0588**	**.00498**	**.00222**
Stddev	.00	.00046	.0077	.00019	.00067
%RSD	.0012	33.418	.15191	3.8264	30.117
#1	25.01	.00105	5.0534	.00512	.00175
#2	25.01	.00171	5.0643	.00485	.00269
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.9379**	**-.00006**	**.15984**	**1.014**	**.00090**
Stddev	.0100	.00018	.00012	.001	.00031
%RSD	.25387	277.29	.07259	.1208	34.469
#1	3.9450	-.00019	.15992	1.015	.00068
#2	3.9308	.00006	.15976	1.013	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-4-A Acquired: 3/8/2022 18:40:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00050	.00240	.00169	1.000
Stddev	.00008	.00024	.00024	.001
%RSD	16.299	10.064	14.160	.0768
#1	.00044	.00223	.00152	1.001
#2	.00056	.00257	.00186	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4193.2	2982.2	27619.	2754.5
Stddev	2.7	6.0	33.	2.0
%RSD	.06391	.20173	.12011	.07336
#1	4195.1	2986.5	27643.	2753.1
#2	4191.3	2978.0	27596.	2755.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.449%	95.264%	97.186%	101.21%
Range				

Sample Name: 620-3247-G-5-A Acquired: 3/8/2022 18:44:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.01535**	**-.00001**	**.05451**	**.11381**
Stddev	.00049	.03900	.00034	.00051	.00000
%RSD	108.14	254.01	5434.7	.94040	.00043
#1	.00011	.01222	.00023	.05487	.11381
#2	.00080	-.04293	-.00024	.05414	.11380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**46.479**	**.00001**	**.0211**	**.00008**
Stddev	.00007	.007	.00017	.0093	.00009
%RSD	267.98	.01580	1330.3	43.95	111.97
#1	.00008	46.484	.00013	.0276	.00015
#2	-.00002	46.474	-.00011	.0145	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00059**	**1.6142**	**2.8067**	**.00138**
Stddev	.00010	.00071	.0046	.0034	.00062
%RSD	25.076	119.13	.28404	.12024	45.357
#1	.00033	.00009	1.6109	2.8043	.00182
#2	.00047	.00109	1.6174	2.8091	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-5-A Acquired: 3/8/2022 18:44:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.0709**	**.23408**	**.00743**	**7.5046**	**.01249**
Stddev	.0027	.00012	.00005	.0098	.00024
%RSD	.06750	.05069	.68409	.13113	1.8993
#1	4.0689	.23400	.00746	7.5115	.01266
#2	4.0728	.23417	.00739	7.4976	.01232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00102**	**3.3279**	**.00067**	**.00163**
Stddev	.00	.00007	.0075	.00100	.00065
%RSD	.0026	6.5986	.22652	148.55	39.875
#1	25.01	.00107	3.3332	.00138	.00117
#2	25.02	.00098	3.3226	-.00003	.00208
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.6466**	**.00008**	**.19424**	**1.007**	**.00034**
Stddev	.0216	.00025	.00008	.001	.00012
%RSD	.46440	319.81	.04018	.1065	34.471
#1	4.6313	.00026	.19419	1.008	.00026
#2	4.6618	-.00010	.19430	1.006	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-5-A Acquired: 3/8/2022 18:44:18 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00029	.00044	.00258	1.000
Stddev	.00036	.00029	.00021	.001
%RSD	123.07	66.713	8.3061	.1375
#1	.00004	.00064	.00273	.9993
#2	.00055	.00023	.00243	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4245.0	2991.9	27696.	2727.0
Stddev	4.5	1.8	6.	7.5
%RSD	.10507	.05886	.02155	.27557
#1	4248.2	2993.1	27701.	2721.7
#2	4241.9	2990.6	27692.	2732.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.616%	95.572%	97.459%	100.20%
Range				

Sample Name: 620-3247-G-7-A Acquired: 3/8/2022 18:48:02 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00059	-.00170	.00131	.33192	.03976
Stddev	.00059	.00930	.00150	.00036	.00009
%RSD	100.65	545.40	114.50	.10799	.22733
#1	-.00017	-.00828	.00237	.33167	.03970
#2	-.00100	.00487	.00025	.33218	.03983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	72.672	-.00018	-.0553	-.00001
Stddev	.00009	.650	.00001	.0061	.00013
%RSD	70.503	.89508	4.2291	10.96	1834.4
#1	-.00006	72.212	-.00019	-.0511	.00008
#2	-.00018	73.132	-.00018	-.0596	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00071	.00001	34.948	9.2928	.00171
Stddev	.00011	.00055	.196	.0840	.00035
%RSD	15.817	3665.2	.55958	.90403	20.574
#1	.00079	-.00037	34.810	9.2334	.00195
#2	.00063	.00040	35.087	9.3522	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-7-A Acquired: 3/8/2022 18:48:02 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.3314**	**2.8035**	**.00080**	**40.991**	**.00056**
Stddev	.0359	.0107	.00016	.347	.00024
%RSD	.48995	.38259	19.720	.84663	42.398
#1	7.3060	2.7959	.00092	40.746	.00039
#2	7.3568	2.8110	.00069	41.236	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00371**	**9.3965**	**.00717**	**.00374**
Stddev	.00	.00070	.0163	.00036	.00043
%RSD	.0046	18.937	.17355	5.0875	11.593
#1	25.00	.00421	9.4080	.00691	.00343
#2	25.01	.00322	9.3849	.00743	.00405
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.3110**	**-.00008**	**.35739**	**1.018**	**.00066**
Stddev	.0528	.00027	.00284	.004	.00016
%RSD	.99461	340.75	.79470	.4134	23.950
#1	5.2737	-.00027	.35538	1.015	.00054
#2	5.3484	.00011	.35940	1.021	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 620-3247-G-7-A Acquired: 3/8/2022 18:48:02 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00035	.00095	.00183	1.000
Stddev	.00066	.00019	.00015	.003
%RSD	187.88	20.474	7.9749	.2519
#1	-.00081	.00081	.00193	1.002
#2	.00011	.00109	.00173	.9985
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4018.7	2919.8	26895.	2710.9
Stddev	.2	.4	67.	22.9
%RSD	.00494	.01534	.24786	.84624
#1	4018.6	2919.5	26942.	2727.2
#2	4018.9	2920.1	26847.	2694.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.520%	93.268%	94.637%	99.606%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:51:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.99460	49.112	.99987	1.0244	1.0116
Stddev	.00292	.009	.00156	.0001	.0022
%RSD	.29353	.01804	.15649	.01511	.21556
#1	.99253	49.105	1.0010	1.0243	1.0101
#2	.99666	49.118	.99876	1.0245	1.0132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0194	49.048	1.0101	1.011	.96945
Stddev	.0017	.050	.0004	.025	.00072
%RSD	.16319	.10092	.03648	2.467	.07456
#1	1.0183	49.013	1.0103	1.028	.96894
#2	1.0206	49.083	1.0098	.9932	.96996
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0180	1.0019	50.442	49.942	1.0098
Stddev	.0003	.0009	.265	.108	.0027
%RSD	.03228	.09395	.52606	.21642	.26621
#1	1.0182	1.0013	50.254	49.866	1.0079
#2	1.0177	1.0026	50.629	50.019	1.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:51:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.868**	**1.0061**	**1.0366**	**50.029**	**.97609**
Stddev	.091	.0000	.0003	.000	.00042
%RSD	.18698	.00419	.03106	.00035	.04338
#1	48.933	1.0061	1.0364	50.029	.97638
#2	48.804	1.0060	1.0368	50.029	.97579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.59**	**.96481**	**24.394**	**1.0073**	**1.0019**
Stddev	.00	.00242	.027	.0007	.0010
%RSD	.0092	.25051	.10876	.06566	.09597
#1	37.60	.96651	24.412	1.0077	1.0026
#2	37.59	.96310	24.375	1.0068	1.0012
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.306**	**.95710**	**1.0079**	**1.495**	**.99779**
Stddev	.039	.00135	.0003	.002	.00171
%RSD	.37860	.14125	.02732	.1597	.17182
#1	10.278	.95614	1.0077	1.494	.99900
#2	10.333	.95805	1.0081	1.497	.99657
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 18:51:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.99936	1.0100	.94352	1.497
Stddev	.00123	.0026	.00280	.003
%RSD	.12285	.25293	.29627	.2225
#1	.99849	1.0082	.94550	1.495
#2	1.0002	1.0118	.94154	1.499
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3830.0	2913.6	26223.	2644.3
Stddev	1.5	.9	32.	1.1
%RSD	.03858	.03204	.12352	.04041
#1	3831.0	2912.9	26200.	2643.5
#2	3828.9	2914.3	26246.	2645.0

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:55:20 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.03738	-.00007	.00066	-.00017
Stddev	.00016	.01449	.00092	.00038	.00002
%RSD	271.72	38.768	1361.8	57.174	9.5220
#1	.00006	-.02713	.00059	.00093	-.00018
#2	-.00018	-.04763	-.00072	.00039	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00836	-.00021	.0650	-.00009
Stddev	.00006	.00196	.00006	.0192	.00005
%RSD	1756.3	23.449	28.891	29.50	49.085
#1	-.00004	-.00697	-.00017	.0786	-.00013
#2	.00004	-.00974	-.00026	.0514	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.00105	-.00134	.05262	-.00056
Stddev	.00005	.00013	.00311	.04219	.00062
%RSD	29.375	12.655	231.49	80.177	109.94
#1	-.00020	.00114	-.00354	.02279	-.00100
#2	-.00013	.00095	.00086	.08246	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:55:20 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00448**	**-.00013**	**.00142**	**.01175**	**-.00027**
Stddev	.00040	.00003	.00002	.00111	.00016
%RSD	8.9489	24.645	1.6994	9.4239	59.570
#1	-.00420	-.00010	.00143	.01097	-.00038
#2	-.00477	-.00015	.00140	.01254	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00019**	**-.00808**	**.00076**	**.00228**
Stddev	.00	.00011	.00058	.00078	.00138
%RSD	.0030	58.881	7.1758	103.61	60.561
#1	25.01	.00028	-.00849	.00131	.00131
#2	25.01	.00011	-.00767	.00020	.00326
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01413**	**-.00030**	**-.00001**	**1.006**	**-.00014**
Stddev	.00170	.00004	.00002	.005	.00040
%RSD	12.056	13.493	144.10	.5332	286.84
#1	-.01533	-.00032	-.00002	1.002	.00014
#2	-.01292	-.00027	.00000	1.010	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 18:55:20 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00046	-.00017	-.00017	.9996
Stddev	.00130	.00015	.00022	.0012
%RSD	284.69	85.560	128.18	.1249
#1	-.00046	-.00028	-.00002	1.001
#2	.00137	-.00007	-.00033	.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4442.2	3061.8	27982.	2714.4
Stddev	4.0	1.5	127.	1.9
%RSD	.08926	.04762	.45556	.07075
#1	4439.4	3060.8	27892.	2713.0
#2	4445.0	3062.9	28072.	2715.7

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:59:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.16469**	**.01315**	**.02112**	**.00188**
Stddev	.00038	.01511	.00029	.00024	.00001
%RSD	7.3609	9.1771	2.2396	1.1226	.73602
#1	.00538	.17538	.01335	.02129	.00187
#2	.00485	.15400	.01294	.02095	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**.50276**	**.00186**	**.0103**	**.00344**
Stddev	.00002	.00250	.00011	.0154	.00005
%RSD	.90888	.49819	5.9192	150.2	1.3827
#1	.00199	.50099	.00178	.0212	.00341
#2	.00202	.50453	.00194	-.0006	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**.01083**	**.04908**	**.46489**	**.02656**
Stddev	.00028	.00012	.00064	.01852	.00050
%RSD	6.8885	1.1416	1.3012	3.9839	1.8706
#1	.00383	.01075	.04863	.47798	.02692
#2	.00422	.01092	.04953	.45179	.02621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:59:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18851	.00299	.01090	.97722	.00944
Stddev	.00143	.00007	.00008	.01456	.00019
%RSD	.75765	2.4928	.76202	1.4903	2.0296
#1	.18750	.00304	.01095	.96693	.00930
#2	.18952	.00294	.01084	.98752	.00957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00972	.18100	.01998	.02391
Stddev	.00	.00062	.00144	.00032	.00046
%RSD	.0029	6.3686	.79369	1.5908	1.9429
#1	25.00	.00928	.17998	.01976	.02424
#2	25.00	.01016	.18201	.02021	.02358
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51343	.00878	.00498	F 1.007	.00462
Stddev	.01277	.00016	.00007	.002	.00020
%RSD	2.4882	1.8766	1.3746	.2052	4.4192
#1	.50439	.00890	.00503	1.006	.00447
#2	.52246	.00866	.00493	1.009	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 18:59:11 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01839	.00452	.01000	F 1.001
Stddev	.00154	.00025	.00035	.000
%RSD	8.3450	5.6204	3.4803	.0190
#1	.01731	.00470	.00976	1.001
#2	.01948	.00434	.01025	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4412.0	3049.1	27973.	2705.8
Stddev	1.3	2.1	25.	11.3
%RSD	.02859	.06744	.09001	.41765
#1	4412.9	3050.5	27991.	2713.8
#2	4411.1	3047.6	27956.	2697.8

Sample Name: MB 480-617003/1-A Acquired: 3/8/2022 19:02:59 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.02398**	**-.00053**	**-.00017**	**-.00005**
Stddev	.00008	.01080	.00091	.00023	.00001
%RSD	222.86	45.061	171.07	133.94	15.337
#1	.00002	.03162	-.00117	-.00033	-.00006
#2	-.00010	.01634	.00011	-.00001	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.02882**	**.00002**	**.0335**	**-.00007**
Stddev	.00008	.00096	.00003	.0205	.00002
%RSD	60.674	3.3197	180.86	61.24	30.949
#1	-.00008	.02949	-.00001	.0190	-.00006
#2	-.00020	.02814	.00004	.0480	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00153**	**.01338**	**.02283**	**-.00188**
Stddev	.00001	.00026	.00071	.09261	.00057
%RSD	.84882	16.674	5.2750	405.70	30.596
#1	.00092	.00135	.01388	-.04266	-.00147
#2	.00091	.00172	.01288	.08831	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617003/1-A Acquired: 3/8/2022 19:02:59 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00118**	**.00044**	**.02947**	**.00037**
Stddev	.00016	.00005	.00004	.00592	.00001
%RSD	41.484	4.5129	8.7538	20.088	1.6982
#1	-.00051	.00114	.00047	.02528	.00037
#2	-.00028	.00122	.00042	.03366	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00032**	**-.00247**	**-.00057**	**.00223**
Stddev	.00	.00013	.00189	.00234	.00129
%RSD	.0049	41.155	76.611	409.77	57.872
#1	25.01	.00023	-.00381	.00108	.00314
#2	25.01	.00042	-.00113	-.00222	.00132
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16176**	**.00051**	**-.00005**	**1.009**	**-.00003**
Stddev	.01798	.00038	.00006	.001	.00018
%RSD	11.117	73.119	124.30	.0960	552.30
#1	.17448	.00025	-.00009	1.010	-.00016
#2	.14905	.00078	-.00001	1.008	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617003/1-A Acquired: 3/8/2022 19:02:59 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00084	.00012	.00234	.9995
Stddev	.00020	.00033	.00021	.0013
%RSD	23.964	267.78	9.0111	.1341
#1	-.00070	-.00011	.00249	1.000
#2	-.00098	.00036	.00219	.9985
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4442.6	3030.3	28219.	2692.7
Stddev	9.3	4.6	56.	.7
%RSD	.20931	.15090	.19976	.02769
#1	4436.0	3027.1	28180.	2692.2
#2	4449.2	3033.5	28259.	2693.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.07%	96.799%	99.299%	98.937%
Range				

Sample Name: LCSSRM 480-617003/2- Acquired: 3/8/2022 19:06:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .30369	F 96.333	F 1.4310	F .87050	F 2.2626
Stddev	.00049	.013	.0001	.00159	.0034
%RSD	.16294	.01381	.00978	.18255	.15014
#1	.30404	96.324	1.4309	.87163	2.2601
#2	.30334	96.343	1.4311	.86938	2.2650
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	11.500	.23000	.23000	.23000
Low Limit	.04250	8.5000	.17000	.17000	.17000

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 1.6068	F 43.306	F 1.3002	1.407	F 1.2690
Stddev	.0032	.125	.0012	.026	.0014
%RSD	.20241	.28957	.09467	1.844	.11273
#1	1.6091	43.395	1.3011	1.389	1.2680
#2	1.6045	43.218	1.2993	1.426	1.2700
Check ?	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
High Limit	.23000	11.500	.23000		.23000
Low Limit	.17000	8.5000	.17000		.17000

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 1.4694	F .49914	F 150.58	F 22.537	F .07421
Stddev	.0002	.00142	.55	.014	.00047
%RSD	.01098	.28522	.36497	.06178	.63514
#1	1.4693	.49813	150.97	22.527	.07388
#2	1.4695	.50014	150.19	22.547	.07455
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.23000	.23000	11.500	11.500	12.000
Low Limit	.17000	.17000	8.5000	8.5000	.17000

Sample Name: LCSSRM 480-617003/2- Acquired: 3/8/2022 19:06:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 22.258	F 2.5096	F .94250	F 1.5773	F .58131
Stddev	.002	.0008	.00077	.0021	.00029
%RSD	.00837	.03029	.08148	.13258	.04960
#1	22.259	2.5101	.94304	1.5788	.58111
#2	22.257	2.5090	.94195	1.5758	.58152
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.500	.23000	.23000	11.500	.23000
Low Limit	8.5000	.17000	.17000	8.5000	.17000

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	27.10	F 1.3358	F .75360	F 1.0082	F 1.5174
Stddev	.00	.0010	.00485	.0031	.0060
%RSD	.0162	.07235	.64392	.30597	.39410
#1	27.10	1.3365	.75704	1.0104	1.5216
#2	27.10	1.3351	.75017	1.0060	1.5131
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		.23000	11.500	.23000	.23000
Low Limit		.17000	8.5000	.17000	.17000

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 3.8636	F .72114	F .85053	1.163	F 4.5616
Stddev	.0636	.00129	.00002	.003	.0006
%RSD	1.6463	.17916	.00227	.2252	.01253
#1	3.8186	.72023	.85055	1.161	4.5612
#2	3.9086	.72206	.85052	1.165	4.5620
Check ?	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
High Limit	11.500	.23000	.23000		.23000
Low Limit	8.5000	.17000	.17000		.17000

Sample Name: LCSSRM 480-617003/2- Acquired: 3/8/2022 19:06:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	F 1.1967	F .63889	F 1.3752	1.033
Stddev	.0068	.00152	.0036	.000
%RSD	.56766	.23836	.26259	.0317
#1	1.1919	.63782	1.3727	1.033
#2	1.2015	.63997	1.3778	1.033
Check ?	Chk Fail	Chk Fail	Chk Fail	None
High Limit	.23000	.23000	.23000	
Low Limit	.17000	.17000	.17000	
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3890.4	3389.5	30915.	3131.2
Stddev	2.9	4.8	117.	3.1
%RSD	.07393	.14201	.37723	.09796
#1	3892.5	3386.1	30997.	3133.4
#2	3888.4	3392.9	30832.	3129.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.630%	108.27%	108.78%	115.05%
Range				

Sample Name: 480-195518-B-1-A Acquired: 3/8/2022 19:10:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00034	85.574	.05060	.02717	.93133
Stddev	.00025	.209	.00211	.00025	.00129
%RSD	73.269	.24412	4.1784	.93762	.13834
#1	.00051	85.721	.05210	.02699	.93224
#2	.00016	85.426	.04911	.02735	.93042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00433	12.743	.00201	.3043	.06241
Stddev	.00007	.025	.00000	.0399	.00017
%RSD	1.6256	.19339	.01726	13.12	.27803
#1	.00438	12.760	.00201	.3325	.06254
#2	.00428	12.726	.00201	.2760	.06229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11368	.09733	138.03	10.046	.18269
Stddev	.00007	.00002	.60	.066	.00040
%RSD	.06179	.01822	.43198	.65943	.21643
#1	.11363	.09732	138.45	10.093	.18297
#2	.11373	.09734	137.61	9.9989	.18241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-1-A Acquired: 3/8/2022 19:10:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**21.087**	**3.1530**	**.00175**	**.33735**	**.14896**
Stddev	.018	.0010	.00000	.00620	.00018
%RSD	.08392	.03122	.10157	1.8381	.11937
#1	21.099	3.1523	.00175	.33296	.14908
#2	21.074	3.1537	.00176	.34173	.14883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.99**	**.38412**	**1.5775**	**.02423**	**.01379**
Stddev	.00	.00076	.0019	.00016	.00330
%RSD	.0095	.19834	.12147	.67358	23.957
#1	26.99	.38358	1.5788	.02411	.01613
#2	27.00	.38466	1.5761	.02434	.01145
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0586**	**.00794**	**.06784**	**1.064**	**.29842**
Stddev	.0133	.00002	.00019	.001	.00432
%RSD	.64720	.23062	.27796	.0516	1.4477
#1	2.0492	.00792	.06798	1.064	.30148
#2	2.0680	.00795	.06771	1.065	.29537
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-1-A Acquired: 3/8/2022 19:10:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.12016**	**.49420**	**1.008**
Stddev	.00087	.00021	.00072	.002
%RSD	31.195	.17741	.14499	.1525
#1	-.00218	.12031	.49370	1.009
#2	-.00342	.12001	.49471	1.007
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4115.8**	**3449.9**	**31074.**	**3190.7**
Stddev	.7	1.6	50.	7.8
%RSD	.01736	.04605	.16027	.24442
#1	4115.3	3451.1	31109.	3185.1
#2	4116.3	3448.8	31039.	3196.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.705%	110.20%	109.34%	117.23%
Range				

Sample Name: 480-195518-B-2-A Acquired: 3/8/2022 19:14:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00011	108.85	.05546	.05031	1.2065
Stddev	.00008	.50	.00042	.00049	.0038
%RSD	71.758	.46245	.75569	.97919	.31546
#1	.00005	108.49	.05517	.04997	1.2038
#2	.00016	109.21	.05576	.05066	1.2092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00512	12.539	.00126	.4223	.07108
Stddev	.00005	.008	.00002	.0258	.00008
%RSD	1.0082	.06241	1.2045	6.104	.11196
#1	.00509	12.544	.00124	.4405	.07103
#2	.00516	12.533	.00127	.4040	.07114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12825	.09233	155.69	17.794	.20286
Stddev	.00064	.00033	.15	.046	.00150
%RSD	.49592	.35244	.09422	.25585	.73975
#1	.12780	.09256	155.59	17.762	.20180
#2	.12870	.09210	155.80	17.826	.20392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-2-A Acquired: 3/8/2022 19:14:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**22.070**	**4.4782**	**.00108**	**.50764**	**.16382**
Stddev	.049	.0564	.00004	.00366	.00018
%RSD	.22163	1.2599	3.4164	.72121	.11214
#1	22.104	4.5181	.00106	.50505	.16369
#2	22.035	4.4383	.00111	.51022	.16395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.19**	**.20869**	**.72736**	**.02242**	**.01060**
Stddev	.00	.00088	.00445	.00180	.00276
%RSD	.0016	.41978	.61143	8.0341	26.076
#1	27.19	.20807	.72422	.02369	.00865
#2	27.19	.20931	.73051	.02114	.01256
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.8748**	**.00495**	**.09496**	**1.075**	**.46185**
Stddev	.0603	.00001	.00025	.006	.00055
%RSD	1.2378	.12748	.26557	.5339	.11968
#1	4.8321	.00494	.09478	1.071	.46225
#2	4.9174	.00495	.09514	1.079	.46146
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-2-A Acquired: 3/8/2022 19:14:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00469	.16080	.47064	1.011
Stddev	.00064	.00128	.00127	.000
%RSD	13.686	.79863	.26934	.0207
#1	-.00514	.16171	.47153	1.011
#2	-.00423	.15990	.46974	1.011
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3976.2	3421.4	30935.	3200.4
Stddev	8.1	8.6	77.	1.6
%RSD	.20442	.24999	.24731	.04905
#1	3970.4	3415.3	30881.	3201.5
#2	3981.9	3427.4	30989.	3199.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.561%	109.29%	108.85%	117.59%
Range				

Sample Name: 480-195518-B-3-A Acquired: 3/8/2022 19:17:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00059	98.093	.06545	.04965	.94381
Stddev	.00050	.257	.00180	.00020	.00187
%RSD	84.674	.26160	2.7445	.40996	.19806
#1	.00094	97.911	.06672	.04979	.94249
#2	.00024	98.274	.06418	.04950	.94513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00468	14.085	.00428	.3704	.06754
Stddev	.00006	.061	.00003	.0104	.00020
%RSD	1.2048	.43363	.73781	2.804	.29205
#1	.00471	14.041	.00426	.3777	.06740
#2	.00464	14.128	.00430	.3630	.06768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12241	.10049	145.49	15.483	.19126
Stddev	.00010	.00037	.11	.095	.00007
%RSD	.07825	.37242	.07469	.61565	.03696
#1	.12248	.10023	145.57	15.415	.19131
#2	.12234	.10075	145.42	15.550	.19121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-3-A Acquired: 3/8/2022 19:17:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**21.273**	**3.8035**	**.00100**	**.43023**	**.15229**
Stddev	.007	.0104	.00016	.00286	.00016
%RSD	.03465	.27487	16.086	.66569	.10314
#1	21.278	3.7961	.00112	.43226	.15240
#2	21.268	3.8109	.00089	.42821	.15218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.99**	**.57049**	**1.3788**	**.02538**	**.01170**
Stddev	.01	.00100	.0001	.00116	.00091
%RSD	.0239	.17454	.00792	4.5884	7.7971
#1	27.00	.57120	1.3788	.02620	.01234
#2	26.99	.56979	1.3787	.02455	.01105
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.0625**	**.00780**	**.08569**	**1.077**	**.43444**
Stddev	.0640	.00057	.00004	.004	.00407
%RSD	1.5752	7.3010	.04458	.4070	.93751
#1	4.0172	.00820	.08572	1.074	.43156
#2	4.1077	.00740	.08566	1.080	.43732
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-3-A Acquired: 3/8/2022 19:17:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00485	.14246	.54021	1.008
Stddev	.00029	.00089	.00114	.001
%RSD	5.9321	.62307	.21072	.1018
#1	-.00465	.14309	.53940	1.007
#2	-.00506	.14183	.54101	1.009
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4007.0	3370.0	30393.	3095.6
Stddev	6.3	5.9	50.	23.8
%RSD	.15638	.17550	.16575	.76917
#1	4002.5	3365.8	30429.	3112.4
#2	4011.4	3374.2	30358.	3078.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.254%	107.65%	106.95%	113.74%
Range				

Sample Name: 480-195518-B-4-A Acquired: 3/8/2022 19:21:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	112.45	.07897	.05980	1.1120
Stddev	.00050	.13	.00077	.00027	.0012
%RSD	1592.1	.11402	.98081	.44628	.10312
#1	-.00038	112.54	.07843	.05999	1.1128
#2	.00032	112.36	.07952	.05961	1.1111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00535	16.935	.00753	.4354	.07534
Stddev	.00007	.025	.00016	.0321	.00037
%RSD	1.3865	.14602	2.1182	7.369	.49088
#1	.00541	16.953	.00742	.4127	.07508
#2	.00530	16.918	.00765	.4581	.07561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13874	.11588	164.75	16.790	.21942
Stddev	.00002	.00001	.39	.018	.00084
%RSD	.01470	.00670	.23760	.10449	.38446
#1	.13873	.11589	164.47	16.778	.22002
#2	.13875	.11588	165.02	16.802	.21882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-4-A Acquired: 3/8/2022 19:21:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.135**	**4.0935**	**.00063**	**1.0506**	**.17971**
Stddev	.037	.0055	.00010	.0011	.00069
%RSD	.15235	.13335	15.719	.10898	.38501
#1	24.161	4.0897	.00056	1.0514	.18020
#2	24.109	4.0974	.00070	1.0498	.17922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.87**	**.93160**	**.85934**	**.03073**	**.01208**
Stddev	.00	.00019	.00433	.00111	.00136
%RSD	.0020	.01998	.50438	3.6107	11.237
#1	26.87	.93147	.86240	.03151	.01304
#2	26.87	.93173	.85627	.02994	.01112
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.3761**	**.01750**	**.10316**	**1.087**	**.50243**
Stddev	.1067	.00065	.00001	.014	.00314
%RSD	1.6734	3.7031	.01055	1.284	.62446
#1	6.3007	.01704	.10315	1.097	.50022
#2	6.4516	.01796	.10317	1.077	.50465
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-4-A Acquired: 3/8/2022 19:21:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00511	.16219	.64119	1.012
Stddev	.00026	.00109	.00102	.000
%RSD	5.1064	.67243	.15831	.0310
#1	-.00492	.16296	.64191	1.012
#2	-.00529	.16142	.64047	1.012
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3928.4	3391.0	30554.	3091.8
Stddev	.0	8.3	66.	1.0
%RSD	.00050	.24413	.21665	.03097
#1	3928.4	3385.2	30507.	3091.2
#2	3928.4	3396.9	30601.	3092.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.486%	108.32%	107.51%	113.60%
Range				

Sample Name: 480-195518-B-5-A Acquired: 3/8/2022 19:25:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	105.25	.05151	.03675	1.1528
Stddev	.00029	.08	.00084	.00027	.0003
%RSD	95.435	.07891	1.6380	.73790	.02564
#1	-.00010	105.19	.05091	.03694	1.1530
#2	-.00051	105.31	.05210	.03656	1.1526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00499	11.544	.00198	.3012	.07585
Stddev	.00012	.023	.00027	.0049	.00023
%RSD	2.3244	.19559	13.495	1.639	.29910
#1	.00507	11.560	.00179	.3047	.07601
#2	.00491	11.528	.00217	.2977	.07569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11658	.09077	154.50	15.082	.20160
Stddev	.00063	.00055	.28	.021	.00027
%RSD	.53856	.60810	.18292	.13654	.13187
#1	.11614	.09038	154.70	15.068	.20179
#2	.11702	.09116	154.30	15.097	.20141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-5-A Acquired: 3/8/2022 19:25:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**20.927**	**9.0950**	**.00014**	**.34119**	**.18083**
Stddev	.002	.0310	.00006	.00782	.00055
%RSD	.00906	.34101	45.963	2.2929	.30666
#1	20.926	9.1170	.00009	.34672	.18044
#2	20.929	9.0731	.00018	.33566	.18122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.56**	**.11538**	**.54506**	**.02253**	**.01384**
Stddev	.00	.00116	.00210	.00102	.00080
%RSD	.0141	1.0046	.38497	4.5153	5.7980
#1	26.55	.11620	.54654	.02324	.01440
#2	26.56	.11456	.54357	.02181	.01327
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.9916**	**.00421**	**.09604**	**1.079**	**.42901**
Stddev	.0283	.00020	.00016	.004	.00382
%RSD	.56605	4.8109	.16178	.3862	.89028
#1	4.9716	.00436	.09593	1.076	.42631
#2	5.0116	.00407	.09615	1.081	.43171
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-5-A Acquired: 3/8/2022 19:25:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00330	.15429	.46305	1.012
Stddev	.00090	.00017	.00035	.001
%RSD	27.269	.11248	.07459	.0714
#1	-.00394	.15442	.46281	1.013
#2	-.00266	.15417	.46329	1.012
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3948.0	3419.8	31019.	3163.6
Stddev	4.8	9.5	3.	1.3
%RSD	.12079	.27636	.01126	.04070
#1	3944.7	3413.1	31017.	3164.5
#2	3951.4	3426.5	31022.	3162.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.927%	109.24%	109.15%	116.24%
Range				

Sample Name: 480-195518-B-6-A Acquired: 3/8/2022 19:29:11 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	55.127	.06508	.02197	.61020
Stddev	.00023	.063	.00141	.00012	.00208
%RSD	553.91	.11384	2.1644	.56247	.34138
#1	.00012	55.083	.06607	.02188	.60873
#2	-.00021	55.172	.06408	.02206	.61168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00269	5.5854	.00008	.2475	.04645
Stddev	.00003	.0105	.00009	.0380	.00012
%RSD	1.1286	.18801	108.44	15.36	.25252
#1	.00271	5.5780	.00002	.2744	.04637
#2	.00267	5.5928	.00014	.2206	.04654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.07032	.07590	137.99	10.011	.10991
Stddev	.00040	.00064	.52	.019	.00094
%RSD	.56770	.84962	.37693	.18596	.85757
#1	.07003	.07636	138.36	10.024	.10925
#2	.07060	.07545	137.62	9.9979	.11058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-6-A Acquired: 3/8/2022 19:29:11 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**13.288**	**3.8453**	**.00399**	**.47740**	**.10049**
Stddev	.044	.0072	.00019	.01280	.00061
%RSD	.33232	.18701	4.8893	2.6808	.61058
#1	13.319	3.8504	.00385	.48645	.10005
#2	13.257	3.8402	.00412	.46835	.10092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.58**	**.06738**	**.06441**	**.02342**	**.00938**
Stddev	.00	.00029	.00296	.00103	.00052
%RSD	.0046	.42987	4.6012	4.3865	5.5779
#1	26.58	.06758	.06651	.02415	.00901
#2	26.58	.06717	.06232	.02269	.00975
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.8922**	**.00468**	**.04676**	**1.076**	**.48273**
Stddev	.0782	.00050	.00009	.002	.01309
%RSD	1.5990	10.728	.18544	.1895	2.7122
#1	4.8368	.00433	.04682	1.074	.47347
#2	4.9475	.00504	.04670	1.077	.49199
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-6-A Acquired: 3/8/2022 19:29:11 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00333	.09520	.29886	1.027
Stddev	.00268	.00059	.00246	.000
%RSD	80.349	.61757	.82298	.0126
#1	-.00144	.09478	.30060	1.027
#2	-.00522	.09561	.29712	1.027
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4114.4	3289.6	29950.	3036.7
Stddev	6.0	11.8	52.	5.2
%RSD	.14591	.35888	.17341	.17116
#1	4110.2	3281.3	29987.	3033.1
#2	4118.7	3298.0	29914.	3040.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.675%	105.08%	105.39%	111.58%
Range				

Sample Name: 480-195518-B-7-A Acquired: 3/8/2022 19:32:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	107.72	.19091	.05720	1.4217
Stddev	.00018	.34	.00027	.00074	.0031
%RSD	361.50	.31261	.14078	1.2888	.22052
#1	.00008	107.96	.19110	.05668	1.4239
#2	-.00018	107.48	.19072	.05772	1.4195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00493	13.950	.00833	.2954	.06264
Stddev	.00001	.002	.00003	.0074	.00020
%RSD	.13429	.01185	.41551	2.520	.32384
#1	.00492	13.949	.00835	.2902	.06279
#2	.00493	13.951	.00830	.3007	.06250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12558	.12476	147.02	15.128	.19277
Stddev	.00068	.00046	.33	.066	.00129
%RSD	.54135	.37220	.22165	.43821	.67009
#1	.12606	.12509	147.25	15.175	.19368
#2	.12509	.12443	146.79	15.081	.19185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-7-A Acquired: 3/8/2022 19:32:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**20.268**	**4.1114**	**.00249**	**.43760**	**.15746**
Stddev	.167	.0125	.00004	.00746	.00034
%RSD	.82346	.30466	1.7272	1.7051	.21576
#1	20.386	4.1025	.00246	.44288	.15770
#2	20.150	4.1202	.00252	.43232	.15722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.37**	**1.3314**	**1.1424**	**.03023**	**.01197**
Stddev	.00	.0020	.0004	.00087	.00099
%RSD	.0030	.15093	.03440	2.8888	8.2636
#1	28.37	1.3300	1.1427	.02961	.01127
#2	28.37	1.3328	1.1421	.03085	.01267
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.7461**	**.00985**	**.10384**	**1.072**	**.52893**
Stddev	.0236	.00082	.00086	.002	.01315
%RSD	.41116	8.3279	.83296	.1535	2.4866
#1	5.7628	.01043	.10445	1.070	.53823
#2	5.7294	.00927	.10323	1.073	.51963
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-7-A Acquired: 3/8/2022 19:32:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00597	.16565	.81618	1.011
Stddev	.00115	.00142	.00428	.001
%RSD	19.186	.85897	.52470	.0670
#1	-.00678	.16666	.81921	1.011
#2	-.00516	.16464	.81315	1.012
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3992.0	3289.1	29579.	3033.8
Stddev	12.6	4.8	121.	9.4
%RSD	.31662	.14445	.40798	.31026
#1	3983.1	3285.7	29494.	3040.4
#2	4000.9	3292.4	29665.	3027.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.917%	105.06%	104.08%	111.47%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 19:36:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.98869	49.483	1.0104	1.0272	1.0130
Stddev	.00043	.269	.0028	.0009	.0015
%RSD	.04328	.54431	.27863	.09114	.14957
#1	.98838	49.673	1.0084	1.0266	1.0141
#2	.98899	49.292	1.0124	1.0279	1.0119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0406	50.283	1.0170	.9737	.97627
Stddev	.0028	.284	.0001	.0014	.00014
%RSD	.27007	.56481	.01228	.1462	.01425
#1	1.0426	50.484	1.0169	.9747	.97618
#2	1.0386	50.082	1.0171	.9727	.97637
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0359	1.0051	50.903	50.218	1.0199
Stddev	.0004	.0006	.058	.004	.0036
%RSD	.04253	.05662	.11380	.00877	.35708
#1	1.0356	1.0047	50.862	50.215	1.0224
#2	1.0362	1.0055	50.944	50.222	1.0173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 19:36:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.331**	**1.0144**	**1.0459**	**50.581**	**.98448**
Stddev	.023	.0002	.0008	.154	.00024
%RSD	.04669	.01845	.08096	.30458	.02420
#1	49.315	1.0145	1.0453	50.690	.98465
#2	49.348	1.0143	1.0465	50.472	.98431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.73**	**.97450**	**24.772**	**1.0159**	**1.0148**
Stddev	.02	.00326	.008	.0006	.0008
%RSD	.0619	.33472	.03180	.05589	.08419
#1	37.71	.97219	24.777	1.0155	1.0154
#2	37.74	.97680	24.766	1.0163	1.0142
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.434**	**.96638**	**1.0141**	**1.509**	**1.0109**
Stddev	.002	.00032	.0027	.001	.0024
%RSD	.01764	.03292	.26179	.0741	.23893
#1	10.433	.96660	1.0160	1.509	1.0092
#2	10.436	.96615	1.0123	1.508	1.0126
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 19:36:45 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0027	1.0038	.96602	1.492
Stddev	.0020	.0013	.00114	.002
%RSD	.20042	.12451	.11754	.1226
#1	1.0013	1.0047	.96682	1.493
#2	1.0041	1.0030	.96521	1.490
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3873.2	2941.5	26440.	2633.6
Stddev	3.3	4.1	81.	7.9
%RSD	.08455	.14054	.30617	.30150
#1	3875.5	2944.4	26497.	2627.9
#2	3870.9	2938.6	26383.	2639.2

Sample Name: CCB-6880245 Acquired: 3/8/2022 19:40:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**-.00137**	**.00037**	**.00002**	**-.00011**
Stddev	.00027	.01121	.00032	.00019	.00001
%RSD	39.595	818.12	87.026	1166.3	6.2339
#1	-.00049	.00656	.00014	-.00012	-.00010
#2	-.00088	-.00930	.00059	.00015	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00256**	**-.00007**	**.0081**	**-.00012**
Stddev	.00002	.00287	.00008	.0083	.00006
%RSD	454.51	112.24	111.10	102.8	51.798
#1	-.00001	-.00459	-.00001	.0022	-.00017
#2	.00001	-.00053	-.00012	.0140	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00112**	**.00351**	**.04964**	**-.00135**
Stddev	.00026	.00034	.00326	.00590	.00176
%RSD	69.538	30.285	92.783	11.883	130.25
#1	-.00019	.00136	.00582	.05382	-.00259
#2	-.00055	.00088	.00121	.04547	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 19:40:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**.00034**	**.00126**	**-.00844**	**.00007**
Stddev	.00134	.00005	.00012	.00239	.00029
%RSD	72.317	15.285	9.5359	28.297	413.94
#1	-.00090	.00038	.00117	-.00675	-.00013
#2	-.00280	.00030	.00134	-.01013	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00042**	**-.00728**	**.00065**	**.00214**
Stddev	.00	.00064	.00173	.00022	.00123
%RSD	.0046	153.76	23.746	32.913	57.592
#1	25.01	-.00087	-.00606	.00081	.00127
#2	25.01	.00004	-.00851	.00050	.00301
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**-.00001**	**-.00009**	**.9999**	**.00018**
Stddev	.00679	.00037	.00000	.0059	.00017
%RSD	232.14	4456.9	4.6210	.5866	92.330
#1	-.00188	.00026	-.00009	1.004	.00006
#2	.00773	-.00027	-.00009	.9958	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 19:40:17 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00027	-.00017	-.00004	1.0000
Stddev	.00066	.00005	.00022	.0009
%RSD	244.12	27.160	600.75	.0866
#1	-.00020	-.00014	-.00019	.9994
#2	.00074	-.00020	.00012	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4409.7	3038.8	27872.	2675.5
Stddev	1.1	.8	20.	12.2
%RSD	.02559	.02567	.07332	.45494
#1	4408.9	3038.2	27886.	2684.1
#2	4410.5	3039.3	27857.	2666.9

Sample Name: CCVL-6882776 Acquired: 3/8/2022 19:44:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00566	.16635	.01355	.02085	.00194
Stddev	.00058	.00656	.00163	.00019	.00000
%RSD	10.276	3.9440	12.037	.91106	.11455
#1	.00607	.16171	.01240	.02098	.00194
#2	.00525	.17099	.01470	.02072	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00201	.48842	.00178	.0259	.00356
Stddev	.00002	.00323	.00008	.0042	.00026
%RSD	1.1509	.66048	4.4994	16.29	7.4009
#1	.00203	.48614	.00172	.0289	.00375
#2	.00200	.49070	.00184	.0229	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00438	.01136	.05165	.50636	.02901
Stddev	.00012	.00002	.00178	.01481	.00072
%RSD	2.8059	.21603	3.4500	2.9253	2.4989
#1	.00430	.01137	.05039	.51683	.02952
#2	.00447	.01134	.05291	.49588	.02850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 19:44:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18926	.00314	.01094	.98278	.00978
Stddev	.00181	.00001	.00001	.00850	.00016
%RSD	.95523	.18890	.05865	.86497	1.5959
#1	.19054	.00313	.01093	.97677	.00967
#2	.18799	.00314	.01094	.98879	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00985	.17344	.02006	.02569
Stddev	.00	.00063	.00120	.00107	.00008
%RSD	.0002	6.3645	.69105	5.3140	.30583
#1	25.00	.00940	.17429	.01930	.02563
#2	25.00	.01029	.17259	.02081	.02575
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50457	.00859	.00507	F 1.001	.00444
Stddev	.00308	.00021	.00018	.004	.00010
%RSD	.61084	2.3878	3.5548	.3806	2.1822
#1	.50675	.00873	.00494	1.003	.00437
#2	.50239	.00844	.00520	.9980	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 19:44:08 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**.01942**	**.00503**	**.00955**	F **1.001**
Stddev	.00070	.00025	.00009	.001
%RSD	3.5876	4.9156	.89662	.0746
#1	.01991	.00520	.00962	1.000
#2	.01892	.00485	.00949	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4446.8**	**3074.6**	**28040.**	**2699.5**
Stddev	6.3	9.9	24.	3.2
%RSD	.14211	.32271	.08503	.11722
#1	4442.4	3067.6	28057.	2701.8
#2	4451.3	3081.6	28023.	2697.3

Sample Name: 480-195518-B-9-A Acquired: 3/8/2022 19:47:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**75.816**	**.10751**	**.05805**	**1.0814**
Stddev	.00073	.287	.00122	.00020	.0074
%RSD	742.80	.37832	1.1386	.33818	.68695
#1	.00062	76.019	.10838	.05819	1.0867
#2	-.00042	75.613	.10665	.05791	1.0762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**18.226**	**.00540**	**.1984**	**.04202**
Stddev	.00001	.132	.00014	.0306	.00022
%RSD	.26024	.72447	2.5269	15.41	.51400
#1	.00338	18.319	.00531	.2200	.04187
#2	.00337	18.133	.00550	.1768	.04218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.09232**	**.09217**	**104.32**	**12.810**	**.13651**
Stddev	.00056	.00079	.98	.133	.00007
%RSD	.60145	.85400	.93696	1.0379	.05159
#1	.09193	.09162	105.01	12.904	.13656
#2	.09272	.09273	103.63	12.716	.13646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-9-A Acquired: 3/8/2022 19:47:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**14.956**	**3.1675**	**.00161**	**.46123**	**.10284**
Stddev	.059	.0113	.00007	.00090	.00038
%RSD	.39422	.35738	4.4491	.19555	.37436
#1	14.914	3.1595	.00166	.46060	.10257
#2	14.997	3.1755	.00156	.46187	.10311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.09**	**.46609**	**2.4352**	**.02144**	**.01060**
Stddev	.01	.00022	.0043	.00012	.00201
%RSD	.0257	.04772	.17876	.54240	18.949
#1	28.09	.46625	2.4321	.02152	.01202
#2	28.08	.46593	2.4383	.02136	.00918
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.6888**	**.00964**	**.09161**	**1.058**	**.43941**
Stddev	.1893	.00010	.00046	.007	.02324
%RSD	2.8306	1.0444	.50077	.6864	5.2901
#1	6.8227	.00957	.09193	1.063	.42297
#2	6.5549	.00971	.09128	1.053	.45584
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-9-A Acquired: 3/8/2022 19:47:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00276	.11658	.65896	1.007
Stddev	.00054	.00018	.00214	.001
%RSD	19.417	.15707	.32448	.0592
#1	-.00314	.11671	.65745	1.008
#2	-.00238	.11645	.66048	1.007
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4067.2	3214.7	29255.	2967.5
Stddev	5.3	1.0	81.	21.7
%RSD	.13144	.03054	.27858	.73231
#1	4071.0	3214.0	29312.	2952.2
#2	4063.4	3215.4	29197.	2982.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.611%	102.69%	102.94%	109.03%
Range				

Sample Name: 480-195518-B-10-A Acquired: 3/8/2022 19:51:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	126.56	.54108	.08644	2.4347
Stddev	.00019	.02	.00151	.00002	.0031
%RSD	105.35	.01575	.27975	.02117	.12540
#1	.00031	126.57	.54215	.08643	2.4368
#2	.00005	126.54	.54001	.08645	2.4325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00570	16.455	.08612	.3527	.07566
Stddev	.00008	.010	.00034	.0001	.00016
%RSD	1.3997	.05896	.39614	.0375	.21432
#1	.00564	16.462	.08587	.3528	.07578
#2	.00576	16.448	.08636	.3526	.07555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.14676	.18717	165.65	16.676	.24749
Stddev	.00052	.00037	.00	.006	.00180
%RSD	.35445	.19765	.00045	.03382	.72897
#1	.14712	.18691	165.65	16.680	.24877
#2	.14639	.18744	165.65	16.672	.24621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-A Acquired: 3/8/2022 19:51:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**22.900**	**5.5495**	**.00562**	**.57754**	**.19723**
Stddev	.014	.0117	.00013	.00091	.00050
%RSD	.06278	.21005	2.3536	.15673	.25374
#1	22.890	5.5412	.00572	.57690	.19759
#2	22.910	5.5577	.00553	.57818	.19688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.58**	**2.4662**	**1.1987**	**.05415**	**.01750**
Stddev	.01	.0066	.0087	.00056	.00209
%RSD	.0265	.26546	.72820	1.0277	11.921
#1	28.58	2.4708	1.2049	.05454	.01603
#2	28.57	2.4615	1.1926	.05375	.01898
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.6458**	**.01255**	**.13160**	**1.084**	**.59340**
Stddev	.0373	.00004	.00021	.002	.00630
%RSD	.66004	.34512	.15939	.1605	1.0611
#1	5.6194	.01258	.13175	1.083	.59785
#2	5.6721	.01252	.13145	1.086	.58895
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-A Acquired: 3/8/2022 19:51:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00471	.19130	1.4600	1.011
Stddev	.00098	.00069	.0002	.001
%RSD	20.876	.36202	.01219	.1119
#1	-.00541	.19081	1.4599	1.012
#2	-.00402	.19179	1.4601	1.010
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3956.0	3301.6	29709.	3026.6
Stddev	7.4	3.3	25.	1.2
%RSD	.18645	.09851	.08543	.03984
#1	3950.8	3299.3	29691.	3025.7
#2	3961.2	3303.9	29727.	3027.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.106%	105.46%	104.54%	111.20%
Range				

Sample Name: 195518-B-10-ASD@5 Acquired: 3/8/2022 19:55:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	27.698	.11611	.01823	.53583
Stddev	.00043	.298	.00155	.00002	.00060
%RSD	341.59	1.0742	1.3384	.12897	.11234
#1	-.00043	27.487	.11501	.01825	.53625
#2	.00018	27.908	.11721	.01821	.53540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00131	3.6205	.01860	.0619	.01467
Stddev	.00010	.0083	.00015	.0176	.00025
%RSD	7.8548	.22924	.80184	28.40	1.6840
#1	.00138	3.6146	.01870	.0743	.01449
#2	.00124	3.6264	.01849	.0494	.01484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03183	.04059	35.586	3.6448	.05282
Stddev	.00012	.00043	.165	.0160	.00118
%RSD	.37824	1.0604	.46428	.43972	2.2269
#1	.03175	.04028	35.469	3.6334	.05199
#2	.03192	.04089	35.703	3.6561	.05365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-B-10-ASD@5 Acquired: 3/8/2022 19:55:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.1231**	**1.2376**	**.00114**	**.12178**	**.03841**
Stddev	.0315	.0054	.00003	.01399	.00020
%RSD	.61428	.43559	2.3203	11.489	.51875
#1	5.1008	1.2338	.00116	.11189	.03855
#2	5.1453	1.2414	.00112	.13168	.03827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.79**	**.49222**	**.25071**	**.01157**	**.00360**
Stddev	.00	.00113	.00094	.00030	.00090
%RSD	.0008	.22867	.37513	2.5633	25.135
#1	25.79	.49301	.25138	.01136	.00296
#2	25.79	.49142	.25005	.01178	.00424
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2082**	**.00226**	**.02879**	**1.025**	**.12410**
Stddev	.0157	.00075	.00004	.003	.00090
%RSD	1.2958	33.329	.14402	.3154	.72288
#1	1.1971	.00173	.02876	1.027	.12473
#2	1.2193	.00279	.02882	1.022	.12347
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-B-10-ASD@5 Acquired: 3/8/2022 19:55:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00060	.04157	.32064	1.003
Stddev	.00040	.00072	.00063	.001
%RSD	67.085	1.7433	.19667	.0587
#1	-.00032	.04106	.32020	1.002
#2	-.00089	.04209	.32109	1.003
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4269.4	3122.0	28420.	2773.6
Stddev	4.9	.8	6.	.8
%RSD	.11363	.02498	.02187	.02716
#1	4266.0	3121.5	28424.	2774.1
#2	4272.9	3122.6	28416.	2773.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.166%	99.729%	100.00%	101.91%
Range				

Sample Name: 480-195518-B-10-APDS Acquired: 3/8/2022 19:59:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09556	137.04	.89570	.45385	2.6998
Stddev	.00018	.10	.00028	.00014	.0009
%RSD	.18402	.07267	.03081	.03048	.03265
#1	.09568	136.97	.89589	.45375	2.6992
#2	.09543	137.11	.89550	.45395	2.7004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38609	32.348	.44655	.3016	.45971
Stddev	.00076	.010	.00022	.0111	.00032
%RSD	.19761	.03192	.05000	3.693	.06989
#1	.38555	32.355	.44670	.3095	.45994
#2	.38663	32.341	.44639	.2937	.45948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51079	.54063	176.39	34.331	.59652
Stddev	.00004	.00040	.21	.019	.00027
%RSD	.00827	.07314	.11725	.05672	.04541
#1	.51082	.54035	176.24	34.318	.59671
#2	.51076	.54091	176.54	34.345	.59632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-APDS Acquired: 3/8/2022 19:59:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**39.807**	**5.6258**	**.39545**	**18.404**	**.57763**
Stddev	.057	.0204	.00007	.022	.00048
%RSD	.14325	.36357	.01796	.11769	.08372
#1	39.766	5.6114	.39540	18.389	.57798
#2	39.847	5.6403	.39550	18.420	.57729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.07**	**2.6855**	**18.319**	**.43574**	**.37448**
Stddev	.01	.0021	.068	.00251	.00292
%RSD	.0318	.07701	.36957	.57711	.77894
#1	28.06	2.6870	18.367	.43752	.37654
#2	28.08	2.6841	18.271	.43396	.37241
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.819**	**.38701**	**.48562**	**1.093**	**.92289**
Stddev	.057	.00109	.00106	.001	.00901
%RSD	.23759	.28092	.21789	.0429	.97667
#1	23.779	.38777	.48636	1.093	.91652
#2	23.859	.38624	.48487	1.093	.92926
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-APDS Acquired: 3/8/2022 19:59:07 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.39944	.55936	1.7372	1.012
Stddev	.00169	.00174	.0043	.002
%RSD	.42283	.31066	.24548	.2057
#1	.40064	.55813	1.7342	1.013
#2	.39825	.56059	1.7402	1.011
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3823.6	3215.5	29024.	2995.3
Stddev	2.5	1.7	23.	9.3
%RSD	.06474	.05258	.07891	.31165
#1	3821.9	3214.3	29041.	2988.7
#2	3825.4	3216.7	29008.	3001.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.125%	102.72%	102.13%	110.05%
Range				

Sample Name: 480-195518-B-10-B MS Acquired: 3/8/2022 20:02:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09239	185.09	.71791	.47566	2.2971
Stddev	.00027	.26	.00149	.00028	.0012
%RSD	.28738	.13826	.20702	.05845	.05356
#1	.09220	184.91	.71686	.47586	2.2980
#2	.09257	185.28	.71896	.47546	2.2962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.37231	32.167	.36408	.3974	.44162
Stddev	.00001	.053	.00066	.0207	.00017
%RSD	.00290	.16394	.18174	5.216	.03748
#1	.37232	32.130	.36362	.4120	.44150
#2	.37231	32.205	.36455	.3827	.44174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.54386	.49134	173.67	55.601	.57350
Stddev	.00269	.00064	.04	.076	.00009
%RSD	.49550	.12951	.02175	.13600	.01501
#1	.54195	.49089	173.65	55.654	.57356
#2	.54576	.49179	173.70	55.547	.57344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-B MS Acquired: 3/8/2022 20:02:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**40.743**	**5.0438**	**.37342**	**18.099**	**.53809**
Stddev	.225	.0214	.00053	.038	.00019
%RSD	.55225	.42328	.14090	.21081	.03457
#1	40.584	5.0287	.37379	18.126	.53796
#2	40.902	5.0589	.37305	18.072	.53822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.25**	**2.4596**	**18.170**	**.31203**	**.36419**
Stddev	.00	.0022	.047	.00031	.00405
%RSD	.0110	.08803	.25875	.09883	1.1119
#1	28.26	2.4581	18.136	.31225	.36132
#2	28.25	2.4611	18.203	.31181	.36705
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**12.168**	**.35267**	**.54271**	**1.080**	**1.5789**
Stddev	.124	.00072	.00014	.007	.0010
%RSD	1.0205	.20499	.02669	.6768	.06101
#1	12.080	.35318	.54281	1.086	1.5782
#2	12.256	.35216	.54260	1.075	1.5795
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-B MS Acquired: 3/8/2022 20:02:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.38056	.63416	1.4159	1.037
Stddev	.00336	.00113	.0077	.000
%RSD	.88202	.17767	.54288	.0033
#1	.38294	.63337	1.4105	1.037
#2	.37819	.63496	1.4214	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3830.7	3274.4	29301.	3088.0
Stddev	5.0	1.0	19.	2.9
%RSD	.12969	.03089	.06323	.09320
#1	3827.2	3273.7	29288.	3090.0
#2	3834.2	3275.1	29314.	3086.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.285%	104.60%	103.10%	113.46%
Range				

Sample Name: 480-195518-B-10-C MS Acquired: 3/8/2022 20:06:28 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09048	182.13	.49436	.47542	1.9907
Stddev	.00064	.51	.00075	.00126	.0052
%RSD	.70801	.28228	.15096	.26406	.26259
#1	.09093	181.77	.49383	.47631	1.9870
#2	.09003	182.50	.49489	.47453	1.9944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38554	31.333	.36390	.4190	.44840
Stddev	.00080	.151	.00018	.0055	.00078
%RSD	.20677	.48212	.05038	1.307	.17348
#1	.38497	31.226	.36377	.4151	.44895
#2	.38610	31.440	.36403	.4229	.44785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.54324	.47854	167.69	55.406	.56635
Stddev	.00037	.00083	.70	.130	.00088
%RSD	.06764	.17277	.41530	.23394	.15489
#1	.54350	.47913	167.20	55.315	.56573
#2	.54298	.47796	168.18	55.498	.56697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-C MS Acquired: 3/8/2022 20:06:28 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**40.509**	**5.2170**	**.37763**	**18.557**	**.53792**
Stddev	.004	.0364	.00045	.068	.00200
%RSD	.01085	.69847	.11933	.36372	.37139
#1	40.512	5.2428	.37732	18.509	.53933
#2	40.506	5.1913	.37795	18.605	.53650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.14**	**.92021**	**18.652**	**.30862**	**.37214**
Stddev	.01	.00227	.038	.00044	.00034
%RSD	.0196	.24662	.20298	.14353	.09267
#1	28.14	.92181	18.625	.30893	.37190
#2	28.14	.91860	18.679	.30831	.37239
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.221**	**.36929**	**.53815**	**1.088**	**1.4930**
Stddev	.076	.00048	.00132	.001	.0088
%RSD	.74811	.13002	.24534	.1028	.58705
#1	10.167	.36963	.53722	1.087	1.4868
#2	10.275	.36895	.53908	1.089	1.4992
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-10-C MS Acquired: 3/8/2022 20:06:28 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.38552	.61707	1.1322	1.036
Stddev	.00148	.00251	.0010	.001
%RSD	.38508	.40602	.08714	.1367
#1	.38657	.61884	1.1315	1.035
#2	.38447	.61530	1.1329	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3836.5	3253.6	29289.	3041.9
Stddev	1.0	6.4	105.	8.6
%RSD	.02701	.19662	.35924	.28428
#1	3835.8	3258.1	29215.	3048.0
#2	3837.2	3249.1	29364.	3035.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.415%	103.93%	103.06%	111.77%
Range				

Sample Name: 480-195518-B-11-A Acquired: 3/8/2022 20:10:09 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00082	92.431	.06154	.04406	.83785
Stddev	.00035	.453	.00052	.00024	.00385
%RSD	42.588	.49041	.83880	.53937	.45916
#1	.00107	92.110	.06118	.04423	.83513
#2	.00057	92.752	.06191	.04389	.84057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00405	14.716	.00284	.2902	.06009
Stddev	.00002	.106	.00002	.0224	.00007
%RSD	.53906	.71802	.77289	7.704	.11125
#1	.00403	14.641	.00282	.2744	.06014
#2	.00406	14.791	.00285	.3061	.06004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11285	.11865	143.59	15.670	.16863
Stddev	.00005	.00020	.86	.074	.00004
%RSD	.04281	.16481	.60006	.47144	.02208
#1	.11289	.11851	142.98	15.618	.16860
#2	.11282	.11879	144.20	15.722	.16865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-11-A Acquired: 3/8/2022 20:10:09 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**19.453**	**2.9053**	**.00228**	**.38319**	**.13989**
Stddev	.058	.0053	.00017	.00253	.00056
%RSD	.30059	.18209	7.6843	.66024	.40328
#1	19.412	2.9016	.00215	.38140	.14029
#2	19.495	2.9091	.00240	.38498	.13949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.48**	**.40276**	**2.5245**	**.02554**	**.01371**
Stddev	.01	.00006	.0033	.00275	.00097
%RSD	.0213	.01491	.13028	10.768	7.0578
#1	28.48	.40280	2.5268	.02748	.01303
#2	28.47	.40271	2.5222	.02359	.01440
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.7379**	**.01565**	**.07758**	**1.071**	**.45735**
Stddev	.0555	.00019	.00052	.003	.00768
%RSD	.96774	1.2106	.67578	.2920	1.6797
#1	5.6986	.01579	.07721	1.074	.45191
#2	5.7772	.01552	.07795	1.069	.46278
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-11-A Acquired: 3/8/2022 20:10:09 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00524	.14656	.70345	1.008
Stddev	.00045	.00050	.00369	.001
%RSD	8.6873	.34133	.52517	.0612
#1	-.00491	.14620	.70083	1.009
#2	-.00556	.14691	.70606	1.008
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4038.0	3293.1	29702.	3030.3
Stddev	4.1	.2	121.	20.8
%RSD	.10160	.00506	.40903	.68717
#1	4040.9	3293.2	29617.	3045.0
#2	4035.1	3292.9	29788.	3015.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.954%	105.19%	104.52%	111.34%
Range				

Sample Name: 480-195518-B-12-A Acquired: 3/8/2022 20:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	118.31	.09015	.05683	.96111
Stddev	.00018	.21	.00124	.00009	.00142
%RSD	559.71	.17860	1.3736	.16659	.14728
#1	.00016	118.16	.09103	.05676	.96011
#2	-.00009	118.46	.08928	.05689	.96211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00520	20.464	.01667	.3432	.07840
Stddev	.00009	.089	.00008	.0132	.00020
%RSD	1.6613	.43534	.47396	3.852	.26093
#1	.00514	20.527	.01661	.3526	.07826
#2	.00526	20.401	.01673	.3339	.07855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.14018	.15232	177.70	16.467	.20356
Stddev	.00010	.00031	.34	.004	.00005
%RSD	.07099	.20032	.19273	.02496	.02626
#1	.14025	.15254	177.94	16.470	.20360
#2	.14011	.15210	177.45	16.464	.20352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-12-A Acquired: 3/8/2022 20:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.290**	**4.0486**	**.00188**	**.55055**	**.17975**
Stddev	.021	.0180	.00018	.00788	.00072
%RSD	.07983	.44550	9.3115	1.4311	.40306
#1	26.276	4.0358	.00176	.54498	.17924
#2	26.305	4.0614	.00201	.55612	.18026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.73**	**.73328**	**.83206**	**.03208**	**.01533**
Stddev	.00	.00150	.00344	.00083	.00067
%RSD	.0115	.20517	.41353	2.5915	4.4010
#1	27.74	.73221	.82963	.03267	.01580
#2	27.73	.73434	.83449	.03149	.01485
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.7570**	**.05107**	**.11724**	**1.097**	**.60098**
Stddev	.0115	.00002	.00009	.001	.00238
%RSD	.16988	.03846	.07670	.0689	.39537
#1	6.7651	.05106	.11730	1.097	.60266
#2	6.7489	.05109	.11718	1.098	.59930
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-12-A Acquired: 3/8/2022 20:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00576	.18717	.85483	1.013
Stddev	.00023	.00081	.00277	.000
%RSD	3.9761	.43501	.32400	.0291
#1	-.00592	.18660	.85288	1.014
#2	-.00559	.18775	.85679	1.013
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3963.8	3342.1	30183.	3078.7
Stddev	3.1	8.8	26.	1.7
%RSD	.07899	.26411	.08640	.05559
#1	3961.6	3335.9	30165.	3079.9
#2	3966.0	3348.4	30202.	3077.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.281%	106.76%	106.21%	113.12%
Range				

Sample Name: 480-195518-B-13-A Acquired: 3/8/2022 20:17:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00043	102.44	.04521	.04017	1.1595
Stddev	.00014	.07	.00000	.00023	.0021
%RSD	32.139	.06568	.00439	.56557	.17976
#1	-.00034	102.48	.04521	.04001	1.1580
#2	-.00053	102.39	.04521	.04033	1.1610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00445	14.852	.00098	.2930	.05363
Stddev	.00001	.032	.00003	.0202	.00014
%RSD	.26446	.21275	3.4906	6.888	.25683
#1	.00444	14.830	.00101	.3073	.05353
#2	.00446	14.875	.00096	.2788	.05372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12365	.10260	125.44	12.986	.16829
Stddev	.00036	.00080	.06	.061	.00041
%RSD	.28754	.77585	.04630	.46774	.24344
#1	.12340	.10316	125.40	12.944	.16858
#2	.12390	.10204	125.48	13.029	.16800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-13-A Acquired: 3/8/2022 20:17:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**17.303**	**4.1045**	**.00543**	**1.8272**	**.12659**
Stddev	.002	.0202	.00001	.0105	.00003
%RSD	.00930	.49290	.16751	.57616	.02313
#1	17.302	4.0902	.00543	1.8198	.12661
#2	17.305	4.1188	.00544	1.8346	.12657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**28.23**	**.31726**	**.74000**	**.01911**	**.01096**
Stddev	.01	.00158	.00858	.00159	.00227
%RSD	.0310	.49791	1.1600	8.3167	20.677
#1	28.23	.31838	.73393	.01798	.00936
#2	28.24	.31614	.74607	.02023	.01256
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.7245**	**.01535**	**.12874**	**1.067**	**.62223**
Stddev	.0444	.00030	.00022	.001	.01162
%RSD	.77487	1.9550	.17014	.0745	1.8671
#1	5.7559	.01556	.12890	1.068	.61402
#2	5.6931	.01514	.12859	1.067	.63045
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-13-A Acquired: 3/8/2022 20:17:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00346	.16388	.51576	1.006
Stddev	.00010	.00023	.00080	.000
%RSD	3.0316	.13952	.15603	.0175
#1	-.00339	.16372	.51519	1.006
#2	-.00353	.16405	.51633	1.007
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4060.8	3274.1	29371.	3002.0
Stddev	10.1	5.2	60.	1.4
%RSD	.24752	.15772	.20277	.04599
#1	4053.7	3270.4	29329.	3001.0
#2	4067.9	3277.7	29413.	3003.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.467%	104.59%	103.35%	110.30%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 20:21:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0037**	**49.167**	**1.0155**	**1.0368**	**1.0230**
Stddev	.0075	.083	.0024	.0010	.0004
%RSD	.74688	.16824	.23495	.09956	.04222
#1	1.0090	49.226	1.0172	1.0360	1.0227
#2	.99840	49.109	1.0138	1.0375	1.0233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0444**	**49.781**	**1.0152**	**1.037**	**.97595**
Stddev	.0019	.132	.0006	.007	.00159
%RSD	.17720	.26552	.06028	.6936	.16284
#1	1.0431	49.688	1.0148	1.042	.97708
#2	1.0457	49.875	1.0156	1.032	.97483
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0440**	**.99901**	**51.543**	**50.716**	**1.0199**
Stddev	.0013	.00088	.022	.011	.0015
%RSD	.12471	.08797	.04277	.02252	.14450
#1	1.0431	.99838	51.527	50.724	1.0189
#2	1.0449	.99963	51.558	50.708	1.0209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 20:21:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.214**	**1.0170**	**1.0547**	**50.676**	**.98815**
Stddev	.240	.0039	.0020	.096	.00141
%RSD	.48863	.38263	.18665	.19021	.14229
#1	49.384	1.0197	1.0561	50.608	.98915
#2	49.044	1.0142	1.0533	50.744	.98716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.97**	**.97006**	**24.739**	**1.0173**	**1.0322**
Stddev	.02	.00130	.017	.0013	.0041
%RSD	.0442	.13437	.07035	.12349	.39612
#1	37.98	.97098	24.726	1.0182	1.0293
#2	37.96	.96914	24.751	1.0165	1.0350
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.633**	**.96313**	**1.0162**	**1.519**	**1.0030**
Stddev	.048	.00225	.0003	.017	.0002
%RSD	.45299	.23404	.03369	1.135	.01576
#1	10.599	.96473	1.0164	1.531	1.0029
#2	10.667	.96154	1.0159	1.507	1.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 20:21:28 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0104	1.0139	.97398	1.503
Stddev	.0006	.0065	.00083	.000
%RSD	.06289	.64500	.08558	.0023
#1	1.0100	1.0185	.97457	1.503
#2	1.0109	1.0093	.97339	1.503
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3901.4	2967.8	26615.	2686.4
Stddev	5.0	2.0	86.	15.8
%RSD	.12876	.06826	.32316	.58797
#1	3897.8	2969.3	26554.	2697.6
#2	3904.9	2966.4	26675.	2675.2

Sample Name: CCB-6880245 Acquired: 3/8/2022 20:25:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.01065**	**.00053**	**.00026**	**-.00009**
Stddev	.00029	.04115	.00056	.00013	.00003
%RSD	108.11	386.28	105.54	48.447	30.844
#1	-.00006	.03975	.00014	.00017	-.00011
#2	-.00047	-.01844	.00093	.00035	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00275**	**-.00008**	**.0261**	**-.00007**
Stddev	.00000	.00689	.00003	.0473	.00004
%RSD	12.012	251.08	36.399	181.4	53.494
#1	-.00001	-.00762	-.00006	.0596	-.00009
#2	-.00001	.00213	-.00010	-.0074	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00060**	**.00512**	**.02699**	**-.00018**
Stddev	.00017	.00029	.00108	.00934	.00186
%RSD	79.789	47.414	21.189	34.610	1053.2
#1	.00032	.00081	.00435	.02038	.00114
#2	.00009	.00040	.00588	.03359	-.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 20:25:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00374	.00033	.00107	-.02396	-.00003
Stddev	.00310	.00000	.00011	.00928	.00012
%RSD	82.854	.19915	10.070	38.719	380.00
#1	-.00155	.00034	.00100	-.03052	-.00012
#2	-.00593	.00033	.00115	-.01740	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	.00045	-.00660	.00058	.00095
Stddev	.00	.00031	.00019	.00127	.00002
%RSD	.0029	70.113	2.8571	219.72	1.8526
#1	25.01	.00023	-.00647	-.00032	.00094
#2	25.01	.00067	-.00674	.00147	.00097
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02259	-.00021	-.00001	1.003	-.00006
Stddev	.01217	.00023	.00008	.003	.00014
%RSD	53.867	109.56	527.55	.2705	225.68
#1	-.01399	-.00005	-.00007	1.005	.00004
#2	-.03120	-.00037	.00004	1.001	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 20:25:00 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00015**	**-.00015**	**1.000**
Stddev	.00073	.00010	.00018	.001
%RSD	513.96	66.814	123.51	.0524
#1	.00038	-.00022	-.00002	1.000
#2	-.00066	-.00008	-.00028	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4457.4**	**3067.2**	**28075.**	**2676.1**
Stddev	2.8	2.0	10.	6.0
%RSD	.06268	.06663	.03495	.22412
#1	4459.4	3068.6	28081.	2680.3
#2	4455.4	3065.7	28068.	2671.8

Sample Name: CCVL-6882776 Acquired: 3/8/2022 20:28:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00655	.16764	.01449	.02097	.00193
Stddev	.00045	.01217	.00144	.00019	.00004
%RSD	6.8685	7.2581	9.9062	.91036	1.8779
#1	.00623	.17625	.01551	.02111	.00191
#2	.00686	.15904	.01348	.02084	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00198	.49260	.00183	.0151	.00366
Stddev	.00001	.00039	.00005	.0405	.00004
%RSD	.59463	.07861	2.6647	267.2	.97548
#1	.00198	.49233	.00180	.0437	.00363
#2	.00197	.49288	.00187	-.0135	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00424	.01172	.05011	.50719	.02919
Stddev	.00030	.00017	.00175	.03496	.00077
%RSD	7.0684	1.4214	3.4868	6.8922	2.6468
#1	.00445	.01160	.04888	.53191	.02973
#2	.00402	.01183	.05135	.48247	.02864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 20:28:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18917**	**.00309**	**.01109**	**.98559**	**.00942**
Stddev	.00127	.00010	.00027	.00132	.00020
%RSD	.67161	3.3081	2.4644	.13393	2.1449
#1	.19007	.00302	.01090	.98652	.00928
#2	.18827	.00316	.01128	.98466	.00956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00935**	**.17547**	**.02033**	**.02419**
Stddev	.00	.00023	.00238	.00096	.00328
%RSD	.0015	2.4593	1.3572	4.7024	13.579
#1	25.00	.00919	.17715	.02100	.02651
#2	25.00	.00951	.17378	.01965	.02187
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.51182**	**.00908**	**.00512**	F **1.002**	**.00468**
Stddev	.00527	.00013	.00001	.005	.00015
%RSD	1.0305	1.4035	.15524	.4969	3.2036
#1	.50809	.00899	.00511	1.006	.00479
#2	.51555	.00917	.00513	.9990	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 20:28:50 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01991	.00497	.00981	F 1.002
Stddev	.00009	.00016	.00030	.001
%RSD	.43022	3.3111	3.0671	.0978
#1	.01997	.00508	.01002	1.001
#2	.01985	.00485	.00959	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4460.5	3074.7	28258.	2721.4
Stddev	1.8	.3	28.	2.6
%RSD	.03989	.00987	.09920	.09384
#1	4459.2	3074.5	28238.	2719.6
#2	4461.7	3074.9	28278.	2723.2

Sample Name: 480-195518-B-14-A Acquired: 3/8/2022 20:32:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	100.71	.03547	.03472	1.0689
Stddev	.00012	.26	.00041	.00011	.0064
%RSD	72.009	.25661	1.1517	.31346	.59474
#1	.00025	100.52	.03518	.03465	1.0644
#2	.00008	100.89	.03575	.03480	1.0734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00433	13.015	.00116	.3455	.05213
Stddev	.00008	.003	.00013	.0183	.00010
%RSD	1.9397	.02457	10.809	5.311	.19540
#1	.00427	13.017	.00108	.3325	.05205
#2	.00439	13.012	.00125	.3585	.05220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12001	.12184	110.00	12.618	.16634
Stddev	.00079	.00046	.60	.090	.00041
%RSD	.66202	.37883	.54955	.70938	.24466
#1	.12057	.12216	109.57	12.555	.16605
#2	.11945	.12151	110.43	12.681	.16663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-14-A Acquired: 3/8/2022 20:32:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.700**	**1.7041**	**.00274**	**.90852**	**.12915**
Stddev	.003	.0002	.00002	.00882	.00008
%RSD	.01798	.01130	.59202	.97033	.06545
#1	16.698	1.7039	.00275	.91476	.12909
#2	16.702	1.7042	.00273	.90229	.12921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.60**	**.38049**	**.72963**	**.01628**	**.00927**
Stddev	.01	.00075	.00061	.00198	.00193
%RSD	.0393	.19678	.08351	12.168	20.784
#1	27.59	.37996	.72919	.01768	.00791
#2	27.61	.38102	.73006	.01488	.01063
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.4393**	**.01833**	**.09489**	**1.057**	**.62102**
Stddev	.1303	.00028	.00071	.005	.00458
%RSD	2.3958	1.5114	.75197	.5031	.73800
#1	5.3472	.01853	.09439	1.061	.62426
#2	5.5315	.01814	.09539	1.053	.61778
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-14-A Acquired: 3/8/2022 20:32:38 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00410	.15497	.57007	1.006
Stddev	.00065	.00078	.00078	.000
%RSD	15.853	.50544	.13770	.0292
#1	-.00456	.15552	.56951	1.006
#2	-.00364	.15441	.57062	1.006
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4064.3	3268.7	29431.	2994.1
Stddev	9.0	8.3	84.	15.1
%RSD	.22042	.25494	.28455	.50306
#1	4058.0	3262.8	29372.	3004.8
#2	4070.7	3274.6	29490.	2983.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.547%	104.41%	103.56%	110.01%
Range				

Sample Name: 480-195518-B-15-A Acquired: 3/8/2022 20:36:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00038	78.104	.05158	.04181	.78832
Stddev	.00118	.190	.00050	.00023	.00314
%RSD	309.20	.24292	.97469	.55017	.39773
#1	-.00045	77.970	.05193	.04197	.78610
#2	.00122	78.238	.05122	.04164	.79054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00364	15.232	.00297	.3139	.05134
Stddev	.00005	.049	.00001	.0057	.00010
%RSD	1.4402	.32002	.36922	1.809	.19246
#1	.00361	15.197	.00296	.3180	.05127
#2	.00368	15.266	.00298	.3099	.05141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10027	.09913	121.58	13.347	.14960
Stddev	.00026	.00017	.59	.018	.00211
%RSD	.25639	.17516	.48320	.13277	1.4135
#1	.10009	.09925	121.16	13.360	.15109
#2	.10045	.09900	121.99	13.335	.14810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-15-A Acquired: 3/8/2022 20:36:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.460**	**2.8943**	**.00233**	**.36155**	**.11936**
Stddev	.116	.0111	.00009	.00316	.00000
%RSD	.70439	.38271	3.7005	.87537	.00164
#1	16.378	2.8864	.00239	.35931	.11937
#2	16.542	2.9021	.00227	.36379	.11936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.96**	**.48497**	**1.6664**	**.02188**	**.01093**
Stddev	.00	.00045	.0044	.00163	.00433
%RSD	.0027	.09224	.26672	7.4620	39.599
#1	26.96	.48528	1.6695	.02304	.01399
#2	26.95	.48465	1.6632	.02073	.00787
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.8167**	**.01274**	**.09474**	**1.065**	**.48845**
Stddev	.0275	.00015	.00008	.001	.00154
%RSD	.40345	1.1460	.08944	.0791	.31470
#1	6.8361	.01285	.09480	1.064	.48736
#2	6.7972	.01264	.09468	1.065	.48954
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-15-A Acquired: 3/8/2022 20:36:21 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00458**	**.12795**	**.80001**	**1.008**
Stddev	.00203	.00004	.00283	.001
%RSD	44.371	.03042	.35393	.0513
#1	-.00315	.12798	.79800	1.008
#2	-.00602	.12793	.80201	1.008
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4102.5**	**3290.0**	**29795.**	**3038.1**
Stddev	6.0	1.0	109.	1.6
%RSD	.14596	.03174	.36602	.05106
#1	4106.7	3290.7	29872.	3039.2
#2	4098.3	3289.2	29717.	3037.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.407%	105.09%	104.84%	111.63%
Range				

Sample Name: 480-195518-B-31-A Acquired: 3/8/2022 20:40:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	57.778	.08570	.05261	.62772
Stddev	.00021	.268	.00075	.00048	.00007
%RSD	144.38	.46459	.87434	.91460	.01112
#1	-.00029	57.968	.08517	.05227	.62767
#2	.00000	57.588	.08623	.05295	.62777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00265	49.977	.00863	.2275	.04273
Stddev	.00003	.329	.00010	.0770	.00033
%RSD	1.2028	.65881	1.1100	33.86	.76075
#1	.00267	50.209	.00857	.1731	.04250
#2	.00262	49.744	.00870	.2820	.04296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09691	.39272	134.71	8.5788	.12262
Stddev	.00002	.00147	.97	.0103	.00041
%RSD	.02296	.37452	.71795	.11972	.33112
#1	.09693	.39377	135.39	8.5861	.12290
#2	.09690	.39168	134.02	8.5716	.12233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-31-A Acquired: 3/8/2022 20:40:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.430**	**2.6967**	**.00285**	**.55793**	**.14842**
Stddev	.033	.0006	.00030	.01129	.00006
%RSD	.14103	.02042	10.536	2.0241	.04249
#1	23.407	2.6971	.00306	.56592	.14846
#2	23.453	2.6963	.00264	.54994	.14837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.64**	**1.2399**	**3.9200**	**.02744**	**.01157**
Stddev	.00	.0008	.0010	.00033	.00134
%RSD	.0126	.06627	.02488	1.2017	11.597
#1	27.64	1.2393	3.9193	.02767	.01062
#2	27.64	1.2405	3.9207	.02720	.01251
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.1742**	**.07024**	**.10884**	**1.069**	**.35461**
Stddev	.0100	.00006	.00037	.005	.00348
%RSD	.19372	.08495	.33554	.4539	.98251
#1	5.1813	.07029	.10910	1.073	.35707
#2	5.1671	.07020	.10858	1.066	.35215
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-31-A Acquired: 3/8/2022 20:40:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00584	.09787	1.2522	1.009
Stddev	.00119	.00011	.0047	.001
%RSD	20.413	.10899	.37656	.0800
#1	-.00668	.09794	1.2555	1.010
#2	-.00500	.09779	1.2488	1.009
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4050.9	3223.8	29499.	3004.3
Stddev	3.4	4.0	71.	8.6
%RSD	.08385	.12539	.23911	.28491
#1	4048.5	3220.9	29549.	2998.3
#2	4053.3	3226.6	29449.	3010.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.244%	102.98%	103.80%	110.39%
Range				

Sample Name: MB 480-617057/1-A Acquired: 3/8/2022 20:43:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.03188**	**-.00008**	**-.00119**	**-.00013**
Stddev	.00095	.00359	.00005	.00017	.00000
%RSD	708.66	11.269	64.773	13.922	1.9577
#1	-.00080	-.02934	-.00004	-.00107	-.00012
#2	.00054	-.03442	-.00011	-.00130	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00119**	**.00003**	**-.0026**	**-.00009**
Stddev	.00002	.00161	.00002	.0369	.00008
%RSD	16.752	135.34	56.737	1413.	91.048
#1	-.00016	.00005	.00002	-.0287	-.00003
#2	-.00013	.00233	.00005	.0235	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00077**	**.00993**	**-.03405**	**-.00207**
Stddev	.00029	.00029	.00087	.01469	.00294
%RSD	267.57	37.171	8.8088	43.131	142.19
#1	-.00010	.00098	.01055	-.02367	.00001
#2	.00032	.00057	.00931	-.04444	-.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617057/1-A Acquired: 3/8/2022 20:43:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00371**	**.00042**	**-.00005**	**.01059**	**.00015**
Stddev	.00071	.00002	.00002	.00611	.00030
%RSD	19.051	5.3650	39.079	57.745	204.84
#1	-.00321	.00044	-.00004	.00627	.00036
#2	-.00421	.00041	-.00007	.01491	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00005**	**-.00589**	**.00068**	**.00063**
Stddev	.00	.00072	.00164	.00070	.00381
%RSD	.0007	1600.5	27.829	102.60	610.06
#1	25.01	.00046	-.00473	.00019	.00332
#2	25.01	-.00055	-.00705	.00118	-.00207
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01727**	**.00015**	**-.00011**	**1.007**	**-.00003**
Stddev	.00248	.00004	.00001	.006	.00011
%RSD	14.349	22.623	10.504	.5988	401.93
#1	-.01903	.00013	-.00012	1.011	-.00010
#2	-.01552	.00018	-.00010	1.002	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617057/1-A Acquired: 3/8/2022 20:43:44 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00013**	**-.00018**	**.9994**
Stddev	.00010	.00007	.00039	.0011
%RSD	17.860	52.976	221.05	.1111
#1	-.00049	.00008	.00010	1.000
#2	-.00063	.00018	-.00045	.9986
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4522.5**	**3108.1**	**28650.**	**2758.4**
Stddev	2.2	1.1	110.	2.2
%RSD	.04775	.03557	.38370	.08098
#1	4524.0	3108.9	28572.	2756.8
#2	4521.0	3107.3	28728.	2759.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.87%	99.284%	100.81%	101.35%
Range				

Sample Name: LCS 480-617057/2-A Acquired: 3/8/2022 20:47:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05202	F 12.552	.21094	F .26350	F .26373
Stddev	.00063	.000	.00103	.00049	.00069
%RSD	1.2116	.00367	.48714	.18756	.25995
#1	.05158	12.553	.21021	.26315	.26325
#2	.05247	12.552	.21166	.26385	.26421
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit		11.500		.23000	.23000
Low Limit		8.5000		.17000	.17000

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22040	9.9565	.20800	.0045	.19460
Stddev	.00017	.0027	.00037	.0211	.00047
%RSD	.07759	.02711	.17995	467.1	.24203
#1	.22028	9.9546	.20773	-.0104	.19493
#2	.22052	9.9584	.20826	.0194	.19427
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21176	.20185	10.210	F 12.797	.25866
Stddev	.00056	.00042	.018	.041	.00071
%RSD	.26372	.20917	.17560	.32392	.27420
#1	.21216	.20156	10.198	12.827	.25916
#2	.21137	.20215	10.223	12.768	.25816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Sample Name: LCS 480-617057/2-A Acquired: 3/8/2022 20:47:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.319**	**.21409**	**.22196**	F **12.491**	**.19636**
Stddev	.059	.00001	.00027	.030	.00017
%RSD	.57312	.00321	.12092	.24298	.08840
#1	10.277	.21409	.22177	12.470	.19648
#2	10.361	.21408	.22215	12.513	.19623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.78**	**.19619**	**9.6046**	**.22104**	**.20774**
Stddev	.00	.00037	.0001	.00064	.00288
%RSD	.0053	.19090	.00147	.28996	1.3844
#1	24.78	.19646	9.6045	.22150	.20977
#2	24.78	.19593	9.6047	.22059	.20570
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.904**	F **.37215**	F **.25321**	**1.013**	**.20419**
Stddev	.005	.00087	.00004	.002	.00010
%RSD	.04304	.23345	.01669	.1579	.05054
#1	10.907	.37276	.25318	1.012	.20412
#2	10.901	.37153	.25324	1.015	.20426
Check ?	Chk Pass	Chk Fail	Chk Fail	None	Chk Pass
High Limit		.23000	.23000		
Low Limit		.17000	.17000		

Sample Name: LCS 480-617057/2-A Acquired: 3/8/2022 20:47:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.21038	.21032	.20644	.9998
Stddev	.00009	.00082	.00069	.0010
%RSD	.04505	.38839	.33524	.0972
#1	.21031	.20974	.20595	.9991
#2	.21045	.21090	.20693	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4220.8	3028.8	27621.	2736.7
Stddev	11.5	1.8	9.	2.0
%RSD	.27188	.05952	.03414	.07431
#1	4212.7	3027.5	27628.	2738.1
#2	4228.9	3030.1	27615.	2735.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.070%	96.750%	97.194%	100.55%
Range				

Sample Name: 480-195518-A-8-B Acquired: 3/8/2022 20:51:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.07297**	**-.00065**	**-.00052**	**.00116**
Stddev	.00079	.00087	.00170	.00000	.00002
%RSD	66.863	1.1928	263.74	.52147	2.0965
#1	-.00062	.07235	-.00185	-.00053	.00118
#2	-.00173	.07358	.00056	-.00052	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.10906**	**-.00013**	**-.0091**	**-.00008**
Stddev	.00000	.00158	.00010	.0016	.00003
%RSD	5.8790	1.4477	78.259	17.55	32.718
#1	-.00007	.10795	-.00019	-.0080	-.00006
#2	-.00008	.11018	-.00006	-.0103	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.02779**	**.11575**	**.05867**	**.00093**
Stddev	.00023	.00065	.00414	.01404	.00201
%RSD	89.706	2.3352	3.5788	23.925	216.70
#1	.00009	.02825	.11868	.04874	.00235
#2	.00042	.02733	.11282	.06859	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-B Acquired: 3/8/2022 20:51:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02199	.00294	.00057	.01156	.00005
Stddev	.00245	.00001	.00012	.00672	.00020
%RSD	11.146	.21522	20.928	58.148	385.57
#1	.02373	.00294	.00049	.00681	-.00009
#2	.02026	.00293	.00066	.01631	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	24.98	.00011	.00062	-.00064	.00069
Stddev	.00	.00043	.00071	.00036	.00094
%RSD	.0039	390.96	114.29	55.551	135.12
#1	24.98	.00042	.00112	-.00089	.00136
#2	24.98	-.00020	.00012	-.00039	.00003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11703	.00068	.00025	.9947	.00116
Stddev	.01508	.00032	.00002	.0091	.00035
%RSD	12.888	46.455	8.5793	.9178	30.106
#1	.12770	.00091	.00023	1.001	.00091
#2	.10637	.00046	.00026	.9882	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-B Acquired: 3/8/2022 20:51:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00079	.00008	.00330	.9993
Stddev	.00090	.00007	.00013	.0008
%RSD	113.14	92.232	3.9541	.0756
#1	.00143	.00003	.00321	.9998
#2	.00016	.00013	.00340	.9987
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4525.3	3119.2	28741.	2794.3
Stddev	1.4	1.2	113.	9.8
%RSD	.03169	.03762	.39472	.35169
#1	4526.3	3118.4	28821.	2787.3
#2	4524.3	3120.1	28661.	2801.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.93%	99.640%	101.13%	102.67%
Range				

Sample Name: 480-195518-A-8-BSD@5 Acquired: 3/8/2022 20:54:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00937**	**-.00046**	**-.00128**	**.00012**
Stddev	.00086	.00984	.00093	.00041	.00000
%RSD	913.23	104.98	202.63	31.961	3.7952
#1	.00070	.00241	.00020	-.00099	.00012
#2	-.00052	.01633	-.00112	-.00157	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.02034**	**-.00010**	**.0366**	**-.00007**
Stddev	.00004	.00175	.00006	.0019	.00013
%RSD	74.066	8.6003	62.302	5.306	187.98
#1	-.00008	.02158	-.00006	.0380	-.00016
#2	-.00003	.01910	-.00015	.0353	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00643**	**.02585**	**-.00650**	**-.00119**
Stddev	.00024	.00048	.00154	.04111	.00103
%RSD	170.63	7.4250	5.9625	632.50	86.532
#1	.00031	.00609	.02476	.02257	-.00191
#2	-.00003	.00677	.02694	-.03557	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-BSD@5 Acquired: 3/8/2022 20:54:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.00059	-.00008	-.00791	-.00010
Stddev	.00205	.00002	.00016	.00233	.00016
%RSD	301.31	3.7920	192.20	29.505	161.33
#1	.00213	.00061	-.00019	-.00956	.00001
#2	-.00077	.00058	.00003	-.00626	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	-.00068	-.00808	.00048	-.00079
Stddev	.00	.00097	.00045	.00058	.00008
%RSD	.0019	143.05	5.5943	119.46	9.8401
#1	25.01	-.00136	-.00840	.00089	-.00085
#2	25.00	.00001	-.00776	.00008	-.00074
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02332	.00009	-.00007	1.001	-.00022
Stddev	.02165	.00007	.00002	.003	.00015
%RSD	92.839	80.602	27.580	.2519	68.523
#1	.03863	.00014	-.00005	.9992	-.00032
#2	.00801	.00004	-.00008	1.003	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-BSD@5 Acquired: 3/8/2022 20:54:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00037	.00005	.00052	.9986
Stddev	.00002	.00013	.00025	.0002
%RSD	5.3208	265.64	47.677	.0169
#1	.00039	.00014	.00069	.9985
#2	.00036	-.00004	.00034	.9987
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4497.0	3111.7	28597.	2745.1
Stddev	3.3	1.3	7.	6.4
%RSD	.07315	.04173	.02621	.23271
#1	4499.3	3112.6	28602.	2749.6
#2	4494.6	3110.8	28592.	2740.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.29%	99.399%	100.63%	100.86%
Range				

Sample Name: 480-195518-A-8-BPDS Acquired: 3/8/2022 20:58:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05008	10.015	.20884	.21270	.20967
Stddev	.00083	.053	.00086	.00022	.00011
%RSD	1.6561	.52610	.41275	.10535	.05276
#1	.05066	10.052	.20823	.21254	.20959
#2	.04949	9.9777	.20945	.21286	.20975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21796	10.043	.20335	-.0333	.19020
Stddev	.00100	.020	.00018	.0099	.00002
%RSD	.45680	.20349	.08849	29.86	.01293
#1	.21867	10.057	.20322	-.0403	.19022
#2	.21726	10.028	.20348	-.0262	.19018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20709	.22488	10.227	10.067	.20224
Stddev	.00051	.00036	.033	.044	.00147
%RSD	.24501	.16203	.32234	.44142	.72599
#1	.20745	.22513	10.250	10.098	.20328
#2	.20673	.22462	10.204	10.035	.20121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-BPDS Acquired: 3/8/2022 20:58:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.139**	**.21065**	**.21493**	**9.9308**	**.19252**
Stddev	.043	.00019	.00024	.0275	.00007
%RSD	.42897	.08828	.11189	.27726	.03890
#1	10.170	.21078	.21476	9.9503	.19257
#2	10.109	.21051	.21510	9.9114	.19246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.75**	**.19342**	**9.9634**	**.21447**	**.19984**
Stddev	.00	.00075	.0119	.00042	.00062
%RSD	.0019	.39016	.11962	.19571	.30809
#1	24.75	.19396	9.9718	.21418	.19940
#2	24.75	.19289	9.9550	.21477	.20027
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.171**	**.18578**	**.20613**	**1.015**	**.20474**
Stddev	.053	.00027	.00142	.004	.00178
%RSD	.52100	.14734	.68824	.3610	.87122
#1	10.209	.18559	.20713	1.013	.20601
#2	10.134	.18598	.20512	1.018	.20348
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-BPDS Acquired: 3/8/2022 20:58:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20466	.20192	.20366	1.001
Stddev	.00101	.00048	.00065	.002
%RSD	.49195	.23768	.31972	.1928
#1	.20537	.20158	.20412	1.003
#2	.20395	.20226	.20320	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4282.2	3059.8	27940.	2752.6
Stddev	9.6	9.0	92.	1.5
%RSD	.22347	.29379	.32891	.05569
#1	4289.0	3066.1	28005.	2751.5
#2	4275.4	3053.4	27875.	2753.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.454%	97.741%	98.314%	101.13%
Range				

Sample Name: 480-195518-A-8-C MS Acquired: 3/8/2022 21:02:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10327**	**12.430**	**.20971**	**.25997**	**.26241**
Stddev	.00041	.011	.00211	.00017	.00090
%RSD	.39890	.08517	1.0047	.06615	.34452
#1	.10298	12.423	.20822	.26009	.26177
#2	.10357	12.438	.21120	.25985	.26305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21732**	**9.9333**	**.20478**	**-.0252**	**.19212**
Stddev	.00143	.0478	.00002	.0054	.00052
%RSD	.65909	.48117	.00806	21.38	.26818
#1	.21833	9.9670	.20477	-.0214	.19175
#2	.21630	9.8995	.20479	-.0291	.19248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20751**	**.22634**	**10.161**	**12.628**	**.25584**
Stddev	.00027	.00032	.028	.015	.00017
%RSD	.13028	.14279	.27784	.11649	.06585
#1	.20732	.22612	10.181	12.618	.25595
#2	.20770	.22657	10.141	12.639	.25572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-C MS Acquired: 3/8/2022 21:02:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.256**	**.21385**	**.21915**	**12.348**	**.19414**
Stddev	.043	.00079	.00012	.040	.00017
%RSD	.41810	.36756	.05572	.32127	.08908
#1	10.225	.21329	.21923	12.376	.19402
#2	10.286	.21440	.21906	12.320	.19426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.75**	**.19459**	**9.4433**	**.21704**	**.20270**
Stddev	.00	.00011	.0204	.00151	.00014
%RSD	.0019	.05784	.21590	.69792	.07003
#1	24.75	.19467	9.4577	.21811	.20280
#2	24.75	.19451	9.4289	.21597	.20260
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.770**	**.36964**	**.25050**	**1.002**	**.20314**
Stddev	.091	.00013	.00081	.003	.00089
%RSD	.84066	.03442	.32420	.3225	.43706
#1	10.834	.36955	.25107	.9999	.20377
#2	10.706	.36973	.24993	1.004	.20251
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-C MS Acquired: 3/8/2022 21:02:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20837	.20917	.20749	1.000
Stddev	.00059	.00239	.00019	.000
%RSD	.28505	1.1444	.09111	.0030
#1	.20879	.20748	.20763	1.000
#2	.20795	.21086	.20736	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4230.6	3038.3	27802.	2766.8
Stddev	2.8	4.5	13.	26.4
%RSD	.06607	.14872	.04798	.95438
#1	4232.6	3035.1	27811.	2748.1
#2	4228.6	3041.5	27793.	2785.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.292%	97.053%	97.830%	101.66%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:05:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0444**	**48.849**	**1.0097**	**1.0428**	**1.0310**
Stddev	.0026	.606	.0004	.0022	.0084
%RSD	.25046	1.2405	.04285	.20907	.81881
#1	1.0462	49.278	1.0094	1.0444	1.0370
#2	1.0426	48.421	1.0100	1.0413	1.0251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0230**	**48.243**	**1.0077**	**1.007**	**.97052**
Stddev	.0064	.171	.0002	.019	.00095
%RSD	.62907	.35378	.02036	1.896	.09834
#1	1.0275	48.363	1.0079	1.021	.96984
#2	1.0184	48.122	1.0076	.9939	.97119
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0379**	**.99499**	**52.027**	**51.036**	**1.0144**
Stddev	.0003	.00284	.321	.277	.0047
%RSD	.02614	.28550	.61726	.54268	.46804
#1	1.0377	.99700	52.254	51.232	1.0178
#2	1.0381	.99299	51.800	50.840	1.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:05:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.261**	**1.0236**	**1.0644**	**50.303**	**.98493**
Stddev	.022	.0003	.0007	.321	.00191
%RSD	.04394	.03109	.06239	.63756	.19439
#1	49.246	1.0238	1.0648	50.530	.98358
#2	49.277	1.0234	1.0639	50.076	.98628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.06**	**.96115**	**24.052**	**1.0075**	**1.0291**
Stddev	.00	.00286	.043	.0042	.0008
%RSD	.0118	.29743	.17690	.41676	.07244
#1	38.06	.95913	24.022	1.0105	1.0286
#2	38.06	.96318	24.082	1.0046	1.0296
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.619**	**.94952**	**1.0131**	**1.513**	**.97959**
Stddev	.040	.00136	.0067	.009	.00027
%RSD	.38124	.14305	.66330	.6285	.02774
#1	10.648	.94856	1.0179	1.520	.97978
#2	10.591	.95048	1.0084	1.507	.97940
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:05:52 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0209	1.0566	.97004	1.513
Stddev	.0008	.0001	.00243	.002
%RSD	.07985	.01168	.25062	.1537
#1	1.0204	1.0566	.96832	1.514
#2	1.0215	1.0565	.97176	1.511
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3897.3	2976.8	26573.	2691.7
Stddev	8.8	10.4	34.	14.1
%RSD	.22582	.35005	.12924	.52259
#1	3891.1	2969.4	26597.	2681.7
#2	3903.6	2984.2	26549.	2701.6

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:09:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00225**	**.00006**	**-.00020**	**-.00014**
Stddev	.00016	.01756	.00068	.00014	.00001
%RSD	50.788	779.76	1171.5	72.240	7.0241
#1	-.00020	-.01467	-.00042	-.00030	-.00013
#2	-.00042	.01016	.00054	-.00010	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00499**	**-.00018**	**.0184**	**-.00011**
Stddev	.00004	.00060	.00006	.0034	.00011
%RSD	33.703	12.118	34.818	18.50	101.30
#1	-.00016	-.00456	-.00023	.0208	-.00019
#2	-.00010	-.00542	-.00014	.0160	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00109**	**.00226**	**.04060**	**.00020**
Stddev	.00002	.00010	.00288	.00944	.00118
%RSD	14.051	8.8537	127.64	23.251	581.56
#1	-.00018	.00116	.00022	.03392	-.00063
#2	-.00015	.00103	.00430	.04727	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:09:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00228**	**.00024**	**.00132**	**-.01261**	**-.00011**
Stddev	.00464	.00004	.00032	.00096	.00007
%RSD	203.72	14.912	24.458	7.6403	66.433
#1	-.00556	.00021	.00109	-.01193	-.00006
#2	.00100	.00026	.00155	-.01329	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00030**	**-.00791**	**-.00041**	**.00119**
Stddev	.00	.00077	.00049	.00024	.00050
%RSD	.0005	254.87	6.2133	57.928	41.442
#1	25.01	-.00085	-.00756	-.00024	.00155
#2	25.01	.00024	-.00826	-.00058	.00084
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**-.00000**	**-.00006**	**1.003**	**.00019**
Stddev	.00346	.00012	.00009	.002	.00014
%RSD	90.306	29054.	144.64	.1612	72.185
#1	.00629	-.00009	-.00012	1.002	.00029
#2	.00139	.00008	.00000	1.005	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:09:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00004	-.00009	-.00039	.9997
Stddev	.00054	.00025	.00023	.0002
%RSD	1252.5	293.49	58.795	.0185
#1	-.00034	-.00026	-.00056	.9996
#2	.00043	.00009	-.00023	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.2	3088.2	28384.	2753.0
Stddev	8.7	2.8	59.	.4
%RSD	.19465	.09171	.20638	.01348
#1	4480.3	3090.2	28343.	2752.8
#2	4468.0	3086.2	28426.	2753.3

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:13:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00537	.17290	.01441	.02086	.00191
Stddev	.00073	.01206	.00044	.00043	.00001
%RSD	13.567	6.9774	3.0858	2.0795	.26899
#1	.00589	.18143	.01472	.02117	.00191
#2	.00486	.16437	.01410	.02055	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00197	.49951	.00186	.0077	.00349
Stddev	.00010	.00298	.00003	.0043	.00009
%RSD	4.9917	.59708	1.4067	55.94	2.6953
#1	.00190	.49740	.00184	.0047	.00356
#2	.00204	.50162	.00188	.0108	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00429	.01104	.05306	.45229	.02816
Stddev	.00026	.00036	.00303	.06560	.00054
%RSD	5.9871	3.2201	5.7167	14.504	1.9042
#1	.00411	.01079	.05092	.49868	.02778
#2	.00448	.01129	.05521	.40591	.02854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:13:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19126	.00306	.01098	.97477	.00963
Stddev	.00057	.00004	.00006	.00167	.00000
%RSD	.29819	1.2802	.51385	.17084	.00862
#1	.19167	.00303	.01094	.97359	.00963
#2	.19086	.00309	.01101	.97595	.00963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.01010	.17819	.02169	.02508
Stddev	.00	.00071	.00390	.00084	.00066
%RSD	.0035	7.0482	2.1858	3.8742	2.6438
#1	25.00	.01061	.17544	.02229	.02554
#2	25.00	.00960	.18095	.02110	.02461
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51274	.00932	.00505	F 1.007	.00450
Stddev	.01836	.00046	.00001	.001	.00043
%RSD	3.5803	4.9595	.23291	.0797	9.5625
#1	.49976	.00965	.00504	1.006	.00480
#2	.52572	.00899	.00506	1.007	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:13:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01938	.00455	.00999	F .9994
Stddev	.00020	.00023	.00045	.0003
%RSD	1.0259	5.1009	4.4588	.0347
#1	.01952	.00472	.01031	.9996
#2	.01924	.00439	.00968	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4456.0	3079.4	28339.	2713.7
Stddev	5.3	5.1	98.	16.1
%RSD	.11989	.16613	.34532	.59314
#1	4452.2	3075.8	28408.	2725.1
#2	4459.8	3083.0	28270.	2702.3

Sample Name: 480-195518-A-8-D MSD Acquired: 3/8/2022 21:17:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04447	12.524	.21015	.26089	.26198
Stddev	.00111	.027	.00085	.00017	.00056
%RSD	2.4992	.21665	.40297	.06377	.21422
#1	.04368	12.543	.20955	.26077	.26159
#2	.04525	12.505	.21075	.26101	.26238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21944	10.044	.20556	-.0048	.19234
Stddev	.00055	.033	.00011	.0114	.00010
%RSD	.24980	.33246	.05494	237.5	.05024
#1	.21905	10.021	.20548	-.0128	.19227
#2	.21983	10.068	.20564	.0033	.19241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20940	.22679	10.241	12.665	.25645
Stddev	.00063	.00087	.050	.090	.00215
%RSD	.30243	.38163	.48916	.71274	.83732
#1	.20895	.22618	10.206	12.601	.25796
#2	.20985	.22741	10.277	12.729	.25493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-D MSD Acquired: 3/8/2022 21:17:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.244**	**.21403**	**.21930**	**12.442**	**.19412**
Stddev	.038	.00066	.00044	.002	.00050
%RSD	.37480	.30995	.19994	.01257	.25753
#1	10.217	.21356	.21899	12.443	.19377
#2	10.271	.21450	.21961	12.441	.19448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.75**	**.19419**	**9.6941**	**.21743**	**.20569**
Stddev	.00	.00020	.0161	.00045	.00004
%RSD	.0034	.10313	.16604	.20806	.02083
#1	24.75	.19433	9.7054	.21711	.20572
#2	24.75	.19404	9.6827	.21775	.20566
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.010**	**.36879**	**.25137**	**1.012**	**.20391**
Stddev	.081	.00064	.00006	.001	.00040
%RSD	.73925	.17458	.02436	.1139	.19441
#1	10.953	.36834	.25141	1.012	.20363
#2	11.068	.36925	.25132	1.013	.20419
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-8-D MSD Acquired: 3/8/2022 21:17:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20794	.20784	.20844	1.002
Stddev	.00111	.00067	.00012	.001
%RSD	.53232	.32088	.05523	.1100
#1	.20872	.20737	.20835	1.003
#2	.20715	.20832	.20852	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4235.5	3036.6	27756.	2728.8
Stddev	3.1	.0	85.	22.6
%RSD	.07341	.00014	.30748	.82994
#1	4237.7	3036.6	27816.	2744.8
#2	4233.3	3036.6	27696.	2712.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.402%	96.999%	97.668%	100.26%
Range				

Sample Name: 480-195431-C-3-A Acquired: 3/8/2022 21:20:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.08334**	**-.00156**	**.00434**	**.00927**
Stddev	.00056	.03473	.00124	.00011	.00004
%RSD	107.53	41.674	79.536	2.5320	.47464
#1	-.00013	.05878	-.00244	.00442	.00930
#2	-.00092	.10790	-.00068	.00426	.00924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**3.5811**	**-.00011**	**.0331**	**.00007**
Stddev	.00000	.0017	.00002	.0095	.00006
%RSD	19.095	.04652	21.597	28.77	77.047
#1	.00002	3.5799	-.00010	.0398	.00003
#2	.00003	3.5822	-.00013	.0264	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00209**	**.26940**	**1.0849**	**.00069**
Stddev	.00017	.00030	.00135	.0460	.00037
%RSD	136.45	14.272	.49968	4.2383	53.691
#1	-.00000	.00188	.26845	1.0524	.00095
#2	-.00024	.00231	.27035	1.1174	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195431-C-3-A Acquired: 3/8/2022 21:20:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.82406**	**.03059**	**.00051**	**13.406**	**.00005**
Stddev	.00702	.00011	.00023	.022	.00030
%RSD	.85209	.35371	45.044	.16400	590.91
#1	.82903	.03066	.00035	13.391	-.00016
#2	.81910	.03051	.00068	13.422	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00071**	**1.7244**	**.00017**	**-.00045**
Stddev	.00	.00061	.0004	.00069	.00099
%RSD	.0007	85.903	.02052	415.80	219.32
#1	25.02	.00114	1.7241	-.00032	-.00115
#2	25.02	.00028	1.7246	.00065	.00025
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.1981**	**-.00015**	**.03494**	**.9946**	**.00307**
Stddev	.0563	.00052	.00001	.0047	.00050
%RSD	1.7610	356.03	.01456	.4692	16.224
#1	3.1582	-.00051	.03494	.9913	.00343
#2	3.2379	.00022	.03494	.9979	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195431-C-3-A Acquired: 3/8/2022 21:20:37 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00007	.00025	.00272	.9997
Stddev	.00030	.00017	.00021	.0004
%RSD	405.44	69.773	7.5347	.0374
#1	.00014	.00037	.00287	1.000
#2	-.00029	.00013	.00258	.9995
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4379.7	3063.5	27965.	2752.3
Stddev	8.7	5.6	88.	14.7
%RSD	.19904	.18246	.31614	.53481
#1	4373.5	3059.5	27902.	2762.7
#2	4385.8	3067.4	28027.	2741.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.650%	97.858%	98.402%	101.12%
Range				

Sample Name: 480-195516-C-1-A Acquired: 3/8/2022 21:24:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.01068**	**-.00139**	**.00087**	**.00239**
Stddev	.00012	.02029	.00137	.00002	.00003
%RSD	30.614	190.01	98.403	2.6898	1.2518
#1	-.00049	-.00367	-.00235	.00089	.00241
#2	-.00031	.02503	-.00042	.00086	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**13.269**	**.00008**	**-.0221**	**-.00003**
Stddev	.00005	.043	.00001	.0383	.00000
%RSD	66.110	.32750	12.079	173.7	8.2391
#1	-.00010	13.238	.00007	.0050	-.00003
#2	-.00004	13.300	.00009	-.0492	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00498**	**.21708**	**1.9470**	**.00017**
Stddev	.00016	.00028	.00046	.0199	.00016
%RSD	42.040	5.5942	.21061	1.0242	91.755
#1	.00050	.00478	.21676	1.9329	.00029
#2	.00027	.00518	.21741	1.9611	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-1-A Acquired: 3/8/2022 21:24:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.5706**	**.93764**	**.00098**	**5.1101**	**-.00007**
Stddev	.0224	.00324	.00002	.0026	.00008
%RSD	.87239	.34562	1.6433	.05025	110.21
#1	2.5547	.93535	.00097	5.1082	-.00012
#2	2.5864	.93994	.00099	5.1119	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00103**	**4.0096**	**.00037**	**.00024**
Stddev	.00	.00015	.0059	.00141	.00102
%RSD	.0028	14.815	.14787	387.37	430.20
#1	25.01	.00092	4.0054	-.00064	-.00048
#2	25.01	.00113	4.0138	.00137	.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.7875**	**-.00021**	**.03582**	**1.006**	**.00026**
Stddev	.0004	.00031	.00012	.003	.00010
%RSD	.00400	152.47	.34654	.2544	37.355
#1	9.7872	-.00043	.03573	1.008	.00019
#2	9.7878	.00002	.03591	1.005	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-1-A Acquired: 3/8/2022 21:24:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00020	.00271	.00064	.9996
Stddev	.00018	.00013	.00066	.0005
%RSD	91.085	4.6856	102.22	.0456
#1	.00007	.00280	.00018	.9999
#2	.00033	.00262	.00111	.9993
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4407.7	3073.9	28347.	2787.0
Stddev	3.4	2.8	69.	34.3
%RSD	.07631	.09222	.24292	1.2299
#1	4405.3	3075.9	28395.	2811.2
#2	4410.0	3071.9	28298.	2762.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.280%	98.192%	99.747%	102.40%
Range				

Sample Name: 480-195516-C-2-A Acquired: 3/8/2022 21:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	-.00500	-.00032	.00188	.00339
Stddev	.00001	.02404	.00007	.00026	.00001
%RSD	2.1636	481.11	21.717	14.046	.39142
#1	-.00044	-.02199	-.00027	.00169	.00338
#2	-.00043	.01200	-.00037	.00207	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	14.613	-.00006	-.0069	-.00011
Stddev	.00011	.059	.00002	.0043	.00007
%RSD	203.32	.40143	35.863	62.81	64.632
#1	.00002	14.571	-.00004	-.0038	-.00015
#2	-.00014	14.654	-.00007	-.0099	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00572	.02731	2.6224	.00012
Stddev	.00031	.00067	.00071	.0214	.00119
%RSD	1436.0	11.638	2.5835	.81590	987.59
#1	.00024	.00619	.02681	2.6072	-.00072
#2	-.00020	.00525	.02781	2.6375	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-2-A Acquired: 3/8/2022 21:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1729**	**.17274**	**.00484**	**4.8874**	**-.00016**
Stddev	.0022	.00012	.00012	.0129	.00002
%RSD	.10158	.06887	2.5465	.26390	12.623
#1	2.1714	.17282	.00493	4.8965	-.00014
#2	2.1745	.17266	.00476	4.8783	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00047**	**5.2511**	**-.00105**	**-.00009**
Stddev	.00	.00004	.0104	.00037	.00073
%RSD	.0020	7.8548	.19712	35.158	846.56
#1	25.01	.00044	5.2584	-.00131	-.00060
#2	25.01	.00050	5.2437	-.00079	.00043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.9814**	**-.00018**	**.02214**	**1.000**	**-.00040**
Stddev	.0373	.00024	.00020	.005	.00004
%RSD	.46785	132.89	.91259	.5397	9.2746
#1	7.9550	-.00001	.02228	.9963	-.00037
#2	8.0078	-.00035	.02200	1.004	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-2-A Acquired: 3/8/2022 21:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00032	.00016	.00083	.9992
Stddev	.00085	.00047	.00012	.0001
%RSD	267.96	289.90	14.633	.0054
#1	.00091	-.00017	.00092	.9992
#2	-.00028	.00049	.00075	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4395.3	3054.8	28079.	2732.7
Stddev	9.9	9.9	34.	.9
%RSD	.22547	.32564	.11984	.03147
#1	4402.3	3061.8	28055.	2732.1
#2	4388.3	3047.7	28103.	2733.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.002%	97.581%	98.804%	100.41%
Range				

Sample Name: 480-195516-C-3-A Acquired: 3/8/2022 21:31:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.02130**	**-.00243**	**.00167**	**.02213**
Stddev	.00037	.01245	.00096	.00007	.00003
%RSD	70.426	58.417	39.359	4.1988	.14741
#1	-.00079	-.01250	-.00311	.00172	.02215
#2	-.00026	-.03010	-.00176	.00162	.02210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**17.193**	**-.00008**	**.0238**	**-.00015**
Stddev	.00001	.026	.00004	.0156	.00001
%RSD	15.724	.15265	52.085	65.69	8.9201
#1	-.00004	17.211	-.00011	.0349	-.00014
#2	-.00003	17.174	-.00005	.0127	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.01181**	**.28950**	**2.8505**	**.00065**
Stddev	.00008	.00003	.00167	.0004	.00085
%RSD	115.28	.29031	.57616	.01537	129.88
#1	-.00001	.01179	.29068	2.8502	.00125
#2	-.00012	.01183	.28832	2.8508	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-3-A Acquired: 3/8/2022 21:31:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.1147**	**.15337**	**.00273**	**7.0848**	**.00018**
Stddev	.0047	.00025	.00014	.0008	.00002
%RSD	.15264	.16364	5.0550	.01110	12.153
#1	3.1113	.15319	.00283	7.0842	.00017
#2	3.1180	.15354	.00263	7.0854	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**.00174**	**3.9153**	**-.00063**	**.00201**
Stddev	.00	.00059	.0089	.00003	.00052
%RSD	.0011	33.956	.22739	5.4432	25.970
#1	25.00	.00216	3.9216	-.00065	.00237
#2	25.00	.00132	3.9090	-.00060	.00164
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.6586**	**-.00032**	**.03442**	**1.002**	**-.00020**
Stddev	.0131	.00027	.00012	.008	.00016
%RSD	.15136	85.600	.35566	.8000	77.318
#1	8.6679	-.00051	.03434	1.008	-.00009
#2	8.6494	-.00012	.03451	.9967	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-3-A Acquired: 3/8/2022 21:31:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00009	-.00019	.00873	.9999
Stddev	.00093	.00032	.00054	.0000
%RSD	1054.3	170.96	6.1560	.0011
#1	.00075	.00004	.00835	.9999
#2	-.00057	-.00041	.00911	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4358.0	3044.8	28112.	2757.0
Stddev	1.2	2.2	5.	5.3
%RSD	.02660	.07225	.01813	.19092
#1	4358.9	3043.2	28108.	2753.3
#2	4357.2	3046.3	28115.	2760.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.162%	97.261%	98.920%	101.30%
Range				

Sample Name: 480-195516-C-4-A Acquired: 3/8/2022 21:35:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00434**	**-.00122**	**.00057**	**.00847**
Stddev	.00043	.03554	.00085	.00044	.00004
%RSD	58.197	818.32	69.416	78.015	.41984
#1	-.00104	-.02079	-.00182	.00025	.00850
#2	-.00043	.02948	-.00062	.00088	.00845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**17.217**	**-.00004**	**.0156**	**-.00006**
Stddev	.00008	.016	.00005	.0137	.00010
%RSD	485.75	.09101	132.39	87.96	171.94
#1	-.00007	17.228	-.00000	.0253	-.00013
#2	.00004	17.206	-.00007	.0059	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00557**	**.08852**	**1.9005**	**-.00015**
Stddev	.00022	.00001	.00162	.0078	.00154
%RSD	242.00	.18638	1.8347	.41330	1008.6
#1	.00007	.00558	.08967	1.8950	.00094
#2	-.00025	.00556	.08737	1.9061	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-4-A Acquired: 3/8/2022 21:35:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.7700**	**.38401**	**.00351**	**6.5962**	**.00011**
Stddev	.0017	.00011	.00005	.0036	.00002
%RSD	.04515	.02751	1.5427	.05513	16.998
#1	3.7688	.38393	.00354	6.5936	.00010
#2	3.7712	.38408	.00347	6.5987	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00104**	**3.8756**	**-.00049**	**.00055**
Stddev	.00	.00039	.0012	.00055	.00037
%RSD	.0025	37.708	.03063	111.81	68.586
#1	25.01	.00132	3.8748	-.00010	.00028
#2	25.01	.00076	3.8765	-.00088	.00081
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4022**	**-.00003**	**.03562**	**.9984**	**-.00001**
Stddev	.0426	.00002	.00022	.0106	.00007
%RSD	.57547	72.517	.60498	1.062	1110.0
#1	7.4323	-.00005	.03577	1.006	-.00006
#2	7.3721	-.00002	.03546	.9909	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-4-A Acquired: 3/8/2022 21:35:35 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00058	.00031	.00362	1.001
Stddev	.00166	.00001	.00014	.000
%RSD	285.35	2.5745	3.7840	.0172
#1	-.00059	.00031	.00372	1.001
#2	.00176	.00032	.00353	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4377.3	3067.9	28045.	2770.6
Stddev	3.1	3.8	79.	10.4
%RSD	.07030	.12351	.28116	.37588
#1	4375.1	3065.2	27990.	2763.3
#2	4379.5	3070.5	28101.	2778.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.597%	97.998%	98.687%	101.80%
Range				

Sample Name: 480-195516-C-5-A Acquired: 3/8/2022 21:39:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00085	-.00762	-.00089	.00223	.00019
Stddev	.00017	.00944	.00322	.00008	.00005
%RSD	20.018	123.92	359.63	3.6741	28.919
#1	-.00097	-.01429	.00138	.00228	.00015
#2	-.00073	-.00094	-.00317	.00217	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	15.559	-.00007	.0130	-.00007
Stddev	.00003	.149	.00002	.0141	.00003
%RSD	32.434	.95860	31.579	108.2	35.932
#1	-.00013	15.454	-.00005	.0031	-.00009
#2	-.00008	15.665	-.00009	.0229	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00304	-.00095	2.3001	.00075
Stddev	.00021	.00056	.00081	.0146	.00061
%RSD	37.634	18.250	85.412	.63271	81.288
#1	.00069	.00265	-.00152	2.2898	.00119
#2	.00040	.00344	-.00037	2.3104	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-5-A Acquired: 3/8/2022 21:39:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.2998**	**.01199**	**.00417**	**5.4342**	**.00002**
Stddev	.0163	.00004	.00006	.0369	.00023
%RSD	.49292	.31100	1.5535	.67877	1062.3
#1	3.2883	.01196	.00421	5.4082	-.00014
#2	3.3113	.01202	.00412	5.4603	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00017**	**5.0293**	**-.00027**	**-.00000**
Stddev	.00	.00008	.0044	.00243	.00117
%RSD	.0018	43.373	.08713	896.71	71018.
#1	25.02	.00012	5.0262	-.00199	.00082
#2	25.02	.00023	5.0324	.00144	-.00083
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.8313**	**-.00028**	**.02327**	**1.003**	**-.00028**
Stddev	.0817	.00023	.00012	.006	.00000
%RSD	1.0437	79.868	.50145	.5714	.12110
#1	7.7735	-.00044	.02319	1.007	-.00028
#2	7.8891	-.00012	.02335	.9991	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-5-A Acquired: 3/8/2022 21:39:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00032	.00211	.00325	.9995
Stddev	.00108	.00040	.00013	.0021
%RSD	334.72	18.819	4.0380	.2101
#1	.00044	.00183	.00316	.9980
#2	-.00109	.00239	.00335	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4395.1	3068.4	28241.	2795.6
Stddev	.7	2.7	100.	21.9
%RSD	.01687	.08696	.35506	.78233
#1	4394.5	3070.2	28312.	2811.1
#2	4395.6	3066.5	28170.	2780.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.996%	98.014%	99.376%	102.72%
Range				

Sample Name: 480-195516-C-6-A Acquired: 3/8/2022 21:43:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	-.04744	-.00270	.00098	.02767
Stddev	.00003	.02262	.00103	.00012	.00003
%RSD	18.625	47.696	38.060	12.422	.10750
#1	-.00013	-.06343	-.00198	.00089	.02764
#2	-.00016	-.03144	-.00343	.00106	.02769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	19.688	-.00005	.0444	-.00011
Stddev	.00008	.054	.00003	.0458	.00018
%RSD	117.43	.27525	75.361	103.0	162.57
#1	-.00001	19.726	-.00007	.0768	.00002
#2	-.00013	19.649	-.00002	.0121	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.02458	.05060	2.1238	.00177
Stddev	.00029	.00084	.00279	.0086	.00017
%RSD	362.34	3.4209	5.5213	.40403	9.8519
#1	-.00013	.02518	.05257	2.1178	.00190
#2	.00029	.02399	.04862	2.1299	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-6-A Acquired: 3/8/2022 21:43:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.0323**	**.11557**	**.00216**	**6.4155**	**.00031**
Stddev	.0072	.00015	.00003	.0218	.00020
%RSD	.23848	.12699	1.4127	.33930	63.947
#1	3.0374	.11567	.00218	6.4001	.00044
#2	3.0271	.11546	.00214	6.4309	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.98**	**.00267**	**3.9722**	**-.00089**	**-.00143**
Stddev	.00	.00111	.0073	.00106	.00042
%RSD	.0034	41.550	.18386	119.41	29.128
#1	24.98	.00189	3.9773	-.00014	-.00173
#2	24.98	.00346	3.9670	-.00163	-.00114
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.7242**	**.00028**	**.03962**	**1.000**	**-.00010**
Stddev	.0235	.00044	.00019	.003	.00037
%RSD	.30449	157.20	.47694	.3200	371.41
#1	7.7408	-.00003	.03948	.9979	-.00036
#2	7.7076	.00060	.03975	1.002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-6-A Acquired: 3/8/2022 21:43:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00111	-.00029	.00955	.9997
Stddev	.00090	.00022	.00011	.0008
%RSD	81.488	76.988	1.1397	.0752
#1	-.00175	-.00045	.00947	1.000
#2	-.00047	-.00013	.00963	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4388.8	3058.9	28069.	2725.7
Stddev	1.0	2.5	39.	8.5
%RSD	.02174	.08316	.13897	.31209
#1	4388.1	3060.7	28042.	2719.7
#2	4389.5	3057.1	28097.	2731.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.855%	97.713%	98.770%	100.15%
Range				

Sample Name: 480-195516-C-7-A Acquired: 3/8/2022 21:46:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.03301**	**-.00074**	**.00640**	**.01251**
Stddev	.00071	.01705	.00075	.00007	.00009
%RSD	718.79	51.645	100.71	1.1307	.75550
#1	.00060	-.04506	-.00021	.00646	.01244
#2	-.00040	-.02095	-.00127	.00635	.01257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**14.123**	**-.00018**	**-.0017**	**-.00005**
Stddev	.00002	.028	.00000	.0097	.00007
%RSD	32.240	.20145	2.2688	566.1	141.85
#1	-.00007	14.103	-.00018	.0051	-.00010
#2	-.00005	14.143	-.00019	-.0086	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.06181**	**.24188**	**2.4239**	**-.00105**
Stddev	.00003	.00069	.00227	.0089	.00019
%RSD	3.6281	1.1123	.93710	.36820	18.188
#1	.00095	.06229	.24348	2.4302	-.00118
#2	.00090	.06132	.24028	2.4176	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-7-A Acquired: 3/8/2022 21:46:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.9032**	**.00164**	**-.00009**	**20.233**	**.00356**
Stddev	.0278	.00002	.00005	.032	.00009
%RSD	.95750	1.1336	55.510	.16038	2.4530
#1	2.8836	.00166	-.00013	20.210	.00350
#2	2.9229	.00163	-.00006	20.256	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.94**	**.00174**	**2.3579**	**.00020**	**.00068**
Stddev	.00	.00038	.0105	.00139	.00019
%RSD	.0001	22.037	.44648	686.48	27.764
#1	24.94	.00202	2.3653	-.00078	.00082
#2	24.94	.00147	2.3504	.00118	.00055
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.3644**	**-.00003**	**.11347**	**.9990**	**-.00014**
Stddev	.0236	.00009	.00056	.0011	.00016
%RSD	.32019	337.54	.49588	.1142	112.38
#1	7.3477	-.00009	.11308	.9982	-.00003
#2	7.3811	.00004	.11387	.9999	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195516-C-7-A Acquired: 3/8/2022 21:46:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00056	-.00030	.07364	.9995
Stddev	.00146	.00002	.00026	.0007
%RSD	258.94	6.1759	.35917	.0742
#1	.00159	-.00028	.07346	.9990
#2	-.00047	-.00031	.07383	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4324.5	3040.1	27739.	2732.1
Stddev	2.1	3.0	127.	1.4
%RSD	.04850	.09848	.45859	.05108
#1	4326.0	3042.2	27829.	2733.1
#2	4323.0	3037.9	27649.	2731.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.407%	97.111%	97.608%	100.38%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:50:33 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0558**	**48.847**	**1.0093**	**1.0489**	**1.0389**
Stddev	.0043	.200	.0000	.0008	.0025
%RSD	.40801	.40951	.00143	.07322	.24456
#1	1.0528	48.706	1.0093	1.0484	1.0371
#2	1.0588	48.989	1.0093	1.0495	1.0407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0277**	**48.167**	**1.0125**	**1.018**	**.96900**
Stddev	.0022	.193	.0019	.031	.00061
%RSD	.20930	.40065	.18874	3.073	.06329
#1	1.0262	48.031	1.0139	.9957	.96943
#2	1.0292	48.304	1.0112	1.040	.96857
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0504**	**.99422**	**52.527**	**51.443**	**1.0209**
Stddev	.0011	.00134	.041	.183	.0050
%RSD	.10686	.13478	.07789	.35569	.49503
#1	1.0512	.99516	52.556	51.314	1.0174
#2	1.0496	.99327	52.498	51.573	1.0245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:50:33 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.512**	**1.0321**	**1.0753**	**50.624**	**.98359**
Stddev	.009	.0020	.0002	.147	.00019
%RSD	.01818	.19247	.01859	.29107	.01944
#1	49.518	1.0307	1.0751	50.519	.98346
#2	49.505	1.0335	1.0754	50.728	.98373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.17**	**.95468**	**23.860**	**1.0066**	**1.0328**
Stddev	.01	.00148	.022	.0018	.0004
%RSD	.0139	.15523	.09137	.17725	.04383
#1	38.16	.95572	23.845	1.0054	1.0325
#2	38.17	.95363	23.876	1.0079	1.0332
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.725**	**.94443**	**1.0157**	**1.523**	**.98291**
Stddev	.072	.00080	.0023	.002	.00114
%RSD	.67308	.08511	.22516	.1097	.11614
#1	10.674	.94500	1.0141	1.522	.98372
#2	10.776	.94386	1.0173	1.524	.98211
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 21:50:33 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0267	1.0681	.98995	1.519
Stddev	.0012	.0033	.00120	.003
%RSD	.11675	.31109	.12077	.2162
#1	1.0258	1.0657	.98911	1.516
#2	1.0275	1.0704	.99080	1.521
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3879.6	2949.5	26338.	2662.5
Stddev	9.3	8.3	45.	13.3
%RSD	.23968	.28254	.17077	.50047
#1	3873.0	2943.6	26306.	2672.0
#2	3886.1	2955.4	26370.	2653.1

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:54:05 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**-.03062**	**-.00061**	**-.00025**	**-.00012**
Stddev	.00009	.02265	.00135	.00017	.00004
%RSD	23.860	73.964	221.41	69.272	36.229
#1	-.00047	-.01461	-.00157	-.00037	-.00009
#2	-.00033	-.04664	.00035	-.00013	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00597**	**-.00017**	**.0260**	**-.00019**
Stddev	.00009	.00411	.00006	.0168	.00002
%RSD	297.27	68.888	35.119	64.55	8.3996
#1	-.00003	-.00306	-.00021	.0378	-.00018
#2	.00010	-.00888	-.00013	.0141	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00243**	**.00014**	**.03161**	**.00024**
Stddev	.00032	.00023	.00286	.01014	.00001
%RSD	172.86	9.5511	1979.3	32.062	2.7382
#1	-.00004	.00226	.00217	.02445	.00023
#2	.00041	.00259	-.00188	.03878	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:54:05 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00368**	**.00025**	**.00120**	**-.01228**	**-.00007**
Stddev	.00160	.00000	.00025	.00794	.00014
%RSD	43.385	1.2367	20.966	64.696	207.57
#1	-.00255	.00025	.00102	-.01789	.00003
#2	-.00481	.00025	.00138	-.00666	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00023**	**-.00663**	**.00173**	**.00166**
Stddev	.00	.00004	.00105	.00032	.00130
%RSD	.0008	15.314	15.774	18.776	78.745
#1	25.01	-.00026	-.00589	.00150	.00073
#2	25.01	-.00021	-.00737	.00195	.00258
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.00007**	**-.00013**	**1.002**	**-.00000**
Stddev	.01097	.00031	.00002	.002	.00004
%RSD	1112.6	457.27	12.393	.1620	86587.
#1	-.00677	.00015	-.00012	1.003	.00003
#2	.00874	-.00029	-.00014	1.001	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 21:54:05 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00032	.00004	-.00011	1.000
Stddev	.00063	.00019	.00028	.001
%RSD	196.70	432.96	253.92	.0690
#1	-.00012	-.00009	-.00030	1.001
#2	.00076	.00018	.00009	.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4494.9	3100.2	28344.	2741.1
Stddev	11.2	6.9	115.	18.0
%RSD	.24867	.22286	.40658	.65587
#1	4487.0	3095.3	28263.	2753.8
#2	4502.8	3105.1	28426.	2728.4

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:57:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00577**	**.17192**	**.01378**	**.02061**	**.00191**
Stddev	.00029	.01224	.00064	.00002	.00001
%RSD	5.0513	7.1177	4.6691	.10899	.32239
#1	.00598	.16327	.01333	.02060	.00190
#2	.00557	.18057	.01424	.02063	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.49390**	**.00190**	**.0228**	**.00367**
Stddev	.00002	.00837	.00011	.0149	.00006
%RSD	.99940	1.6943	5.7110	65.50	1.6093
#1	.00205	.49982	.00182	.0334	.00371
#2	.00202	.48799	.00198	.0122	.00363
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.01097**	**.04759**	**.50872**	**.02951**
Stddev	.00025	.00026	.00325	.04947	.00013
%RSD	5.7852	2.3523	6.8233	9.7236	.43378
#1	.00441	.01078	.04989	.54370	.02960
#2	.00407	.01115	.04529	.47374	.02942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:57:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18870	.00306	.01099	.98005	.00966
Stddev	.00204	.00002	.00013	.00568	.00043
%RSD	1.0827	.72674	1.1616	.57942	4.4477
#1	.19015	.00307	.01090	.97604	.00936
#2	.18726	.00304	.01108	.98407	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00979	.17733	.01988	.02259
Stddev	.00	.00085	.00390	.00117	.00053
%RSD	.0009	8.7180	2.2011	5.9083	2.3558
#1	25.00	.00919	.18009	.01905	.02297
#2	25.00	.01040	.17457	.02071	.02222
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49743	.00912	.00512	F 1.003	.00461
Stddev	.01233	.00014	.00005	.011	.00017
%RSD	2.4797	1.5850	.90663	1.080	3.6230
#1	.48871	.00922	.00516	1.010	.00473
#2	.50615	.00902	.00509	.9951	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 21:57:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01954	.00489	.00993	F 1.001
Stddev	.00113	.00025	.00052	.000
%RSD	5.7958	5.0317	5.2736	.0385
#1	.01874	.00472	.01030	1.001
#2	.02034	.00507	.00956	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4446.4	3072.7	28170.	2728.0
Stddev	1.6	.8	.	3.2
%RSD	.03512	.02678	.00063	.11694
#1	4447.5	3072.1	28170.	2725.8
#2	4445.3	3073.3	28170.	2730.3

Sample Name: MB 480-617067/1-A Acquired: 3/8/2022 22:01:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00049**	**-.00203**	**-.00085**	**-.00019**
Stddev	.00061	.00363	.00037	.00007	.00001
%RSD	45.388	742.45	18.075	8.2079	2.8594
#1	-.00092	.00306	-.00177	-.00090	-.00019
#2	-.00178	-.00208	-.00229	-.00080	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00311**	**-.00011**	**-.0127**	**-.00013**
Stddev	.00014	.00487	.00007	.0045	.00007
%RSD	223.94	156.66	65.833	35.28	55.164
#1	.00004	.00034	-.00017	-.0095	-.00018
#2	-.00016	-.00656	-.00006	-.0159	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00126**	**.00034**	**-.01602**	**-.00111**
Stddev	.00022	.00022	.00050	.03808	.00002
%RSD	98.221	17.361	147.08	237.75	1.9380
#1	.00038	.00142	.00070	-.04294	-.00109
#2	.00007	.00111	-.00001	.01091	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617067/1-A Acquired: 3/8/2022 22:01:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.00020**	**.00002**	**-.01477**	**.00016**
Stddev	.00072	.00003	.00001	.00376	.00002
%RSD	54.456	15.833	57.974	25.452	10.747
#1	-.00081	.00018	.00003	-.01211	.00015
#2	-.00183	.00022	.00001	-.01742	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00047**	**-.00959**	**.00032**	**-.00061**
Stddev	.00	.00024	.00179	.00074	.00058
%RSD	.0010	50.651	18.684	229.96	94.821
#1	25.01	.00030	-.01086	.00085	-.00102
#2	25.01	.00064	-.00832	-.00020	-.00020
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00453**	**-.00004**	**.00001**	**.9998**	**-.00050**
Stddev	.02240	.00020	.00009	.0051	.00012
%RSD	494.48	545.10	1441.4	.5103	24.333
#1	.01131	.00011	-.00005	1.003	-.00041
#2	-.02037	-.00018	.00007	.9962	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617067/1-A Acquired: 3/8/2022 22:01:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00034	-.00053	-.00022	1.000
Stddev	.00068	.00014	.00009	.001
%RSD	198.08	26.947	39.448	.0837
#1	-.00014	-.00043	-.00028	1.001
#2	.00083	-.00064	-.00016	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4506.7	3100.1	28597.	2745.4
Stddev	4.8	5.5	25.	.5
%RSD	.10599	.17680	.08890	.01780
#1	4510.1	3104.0	28579.	2745.1
#2	4503.3	3096.2	28615.	2745.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.51%	99.028%	100.63%	100.87%
Range				

Sample Name: LCS 480-617067/2-A Acquired: 3/8/2022 22:05:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05156	F 12.107	.20574	F .25985	F .25755
Stddev	.00061	.047	.00088	.00046	.00024
%RSD	1.1741	.38527	.42577	.17756	.09509
#1	.05199	12.074	.20636	.25953	.25772
#2	.05113	12.140	.20512	.26018	.25737
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit		11.500		.23000	.23000
Low Limit		8.5000		.17000	.17000

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21487	9.5950	.20270	.0123	.18934
Stddev	.00013	.0096	.00002	.0294	.00002
%RSD	.06110	.09988	.00815	238.3	.01224
#1	.21496	9.6018	.20272	.0331	.18936
#2	.21478	9.5882	.20269	-.0084	.18933
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20702	.19855	9.9033	F 12.484	.25132
Stddev	.00013	.00033	.0045	.002	.00077
%RSD	.06453	.16813	.04582	.01690	.30484
#1	.20693	.19878	9.9065	12.485	.25078
#2	.20711	.19831	9.9001	12.482	.25186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Sample Name: LCS 480-617067/2-A Acquired: 3/8/2022 22:05:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.106**	**.20927**	**.21800**	F **12.174**	**.19105**
Stddev	.033	.00079	.00006	.030	.00069
%RSD	.32175	.37847	.02708	.24785	.35859
#1	10.129	.20983	.21805	12.153	.19057
#2	10.083	.20871	.21796	12.195	.19154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.500	
Low Limit				8.5000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.78**	**.19081**	**9.4341**	**.21526**	**.20425**
Stddev	.00	.00045	.0186	.00016	.00028
%RSD	.0006	.23335	.19754	.07569	.13697
#1	24.78	.19112	9.4473	.21514	.20405
#2	24.79	.19049	9.4209	.21537	.20445
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.632**	**.18013**	F **.24616**	**1.010**	**.19857**
Stddev	.025	.00041	.00044	.001	.00050
%RSD	.23389	.22490	.17831	.0514	.25034
#1	10.615	.18041	.24647	1.010	.19822
#2	10.650	.17984	.24585	1.010	.19893
Check ?	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass
High Limit			.23000		
Low Limit			.17000		

Sample Name: LCS 480-617067/2-A Acquired: 3/8/2022 22:05:30 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20562	.20806	.20331	1.002
Stddev	.00150	.00175	.00115	.001
%RSD	.73099	.83963	.56447	.0521
#1	.20456	.20930	.20412	1.003
#2	.20669	.20683	.20250	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4228.5	3032.0	27649.	2737.5
Stddev	2.3	1.9	99.	2.3
%RSD	.05467	.06381	.35968	.08528
#1	4230.2	3033.4	27579.	2735.9
#2	4226.9	3030.6	27719.	2739.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.245%	96.853%	97.291%	100.58%
Range				

Sample Name: 480-195485-C-1-D Acquired: 3/8/2022 22:09:05 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	-.01723	-.00042	.00857	.02287
Stddev	.00018	.00121	.00035	.00047	.00004
%RSD	171.12	7.0025	83.586	5.4357	.18277
#1	.00002	-.01638	-.00067	.00890	.02290
#2	-.00023	-.01808	-.00017	.00824	.02284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	6.8697	-.00006	-.0190	.00169
Stddev	.00004	.0127	.00012	.0295	.00001
%RSD	86.671	.18453	189.52	155.4	.44154
#1	-.00002	6.8607	-.00014	.0019	.00169
#2	-.00007	6.8786	.00002	-.0398	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.02563	16.565	2.3832	.00087
Stddev	.00033	.00074	.058	.0328	.00121
%RSD	236.02	2.8759	.34938	1.3754	139.32
#1	.00009	.02511	16.606	2.4064	.00001
#2	-.00037	.02615	16.525	2.3600	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-1-D Acquired: 3/8/2022 22:09:05 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.75425	1.4415	.00085	8.9081	.00019
Stddev	.00802	.0008	.00011	.0255	.00015
%RSD	1.0632	.05378	13.185	.28584	77.123
#1	.75992	1.4420	.00077	8.8901	.00009
#2	.74858	1.4409	.00093	8.9261	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.00	.00193	.90796	.00315	.00341
Stddev	.00	.00016	.00438	.00001	.00009
%RSD	.0011	8.2277	.48240	.39932	2.4987
#1	25.00	.00205	.90486	.00316	.00347
#2	25.00	.00182	.91106	.00314	.00335
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.7566	.00019	.04879	1.007	.00102
Stddev	.0758	.00021	.00010	.001	.00001
%RSD	.97747	108.45	.21313	.0735	1.0719
#1	7.7030	.00004	.04886	1.007	.00101
#2	7.8102	.00034	.04871	1.008	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-1-D Acquired: 3/8/2022 22:09:05 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00060	-.00014	.01403	1.000
Stddev	.00056	.00008	.00019	.001
%RSD	93.607	62.345	1.3657	.0581
#1	-.00100	-.00019	.01417	.9996
#2	-.00020	-.00008	.01390	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4375.8	3081.8	28172.	2782.2
Stddev	8.3	3.4	2.	.2
%RSD	.19002	.11042	.00647	.00829
#1	4369.9	3079.4	28170.	2782.3
#2	4381.6	3084.2	28173.	2782.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.561%	98.444%	99.131%	102.22%
Range				

Sample Name: 480-195485-C-2-B Acquired: 3/8/2022 22:12:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**-.03212**	**.01087**	**1.3709**	**.14844**
Stddev	.00008	.03091	.00038	.0000	.00013
%RSD	12.052	96.249	3.4509	.00274	.08910
#1	-.00077	-.01026	.01113	1.3708	.14854
#2	-.00065	-.05398	.01060	1.3709	.14835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**44.784**	**-.00004**	**-.0572**	**.01122**
Stddev	.00001	.077	.00011	.0240	.00005
%RSD	20.152	.17294	251.33	41.98	.44840
#1	-.00007	44.730	-.00012	-.0742	.01118
#2	-.00006	44.839	.00003	-.0403	.01125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.01030**	**30.775**	**12.906**	**-.00020**
Stddev	.00030	.00039	.006	.067	.00071
%RSD	210.46	3.7939	.01995	.51577	346.10
#1	.00007	.01057	30.779	12.953	.00030
#2	-.00035	.01002	30.771	12.859	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-B Acquired: 3/8/2022 22:12:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.0518**	**2.3865**	**.00703**	**15.173**	**.00252**
Stddev	.0010	.0028	.00002	.002	.00002
%RSD	.01099	.11679	.26549	.01081	.70339
#1	9.0511	2.3884	.00702	15.174	.00251
#2	9.0525	2.3845	.00705	15.172	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.16**	**.00343**	**1.7227**	**.00409**	**.00162**
Stddev	.00	.00075	.0023	.00035	.00228
%RSD	.0053	21.959	.13278	8.6410	140.70
#1	25.16	.00289	1.7211	.00434	.00323
#2	25.16	.00396	1.7243	.00384	.00001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.737**	**-.00041**	**.71109**	**1.022**	**-.00006**
Stddev	.061	.00044	.00204	.005	.00025
%RSD	.36276	108.37	.28755	.4990	444.52
#1	16.780	-.00010	.71254	1.018	-.00024
#2	16.694	-.00072	.70964	1.025	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-B Acquired: 3/8/2022 22:12:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00065	.00030	.00436	1.001
Stddev	.00072	.00037	.00027	.002
%RSD	110.61	121.02	6.1892	.1635
#1	.00014	.00004	.00417	1.002
#2	.00115	.00056	.00455	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4193.4	3019.5	27741.	2776.3
Stddev	1.1	.3	85.	2.0
%RSD	.02598	.00903	.30706	.07093
#1	4192.7	3019.7	27681.	2774.9
#2	4194.2	3019.3	27802.	2777.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.455%	96.454%	97.617%	102.01%
Range				

Sample Name: 480-195485-C-2-BSD@5 Acquired: 3/8/2022 22:16:31 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00064	-.00707	.00119	.26742	.02965
Stddev	.00080	.01030	.00108	.00020	.00004
%RSD	126.29	145.77	91.106	.07344	.12481
#1	-.00007	.00022	.00196	.26728	.02962
#2	-.00120	-.01435	.00042	.26756	.02968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	9.2300	-.00008	-.0249	.00209
Stddev	.00002	.0014	.00019	.0485	.00001
%RSD	30.156	.01550	233.79	195.2	.58147
#1	-.00006	9.2290	.00005	.0095	.00208
#2	-.00009	9.2310	-.00021	-.0592	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00337	6.3459	2.5739	.00018
Stddev	.00024	.00026	.0199	.0149	.00167
%RSD	1879.6	7.8193	.31314	.57883	934.97
#1	-.00018	.00356	6.3319	2.5845	-.00100
#2	.00016	.00319	6.3600	2.5634	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-BSD@5 Acquired: 3/8/2022 22:16:31 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8386**	**.47944**	**.00149**	**3.0331**	**.00058**
Stddev	.0094	.00003	.00014	.0011	.00004
%RSD	.51354	.00724	9.2636	.03610	6.8314
#1	1.8452	.47941	.00159	3.0338	.00061
#2	1.8319	.47946	.00139	3.0323	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.04**	**.00047**	**.32590**	**-.00014**	**.00167**
Stddev	.00	.00021	.00100	.00004	.00165
%RSD	.0015	45.490	.30766	31.151	98.572
#1	25.04	.00032	.32519	-.00017	.00284
#2	25.04	.00062	.32661	-.00011	.00051
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.3241**	**-.00011**	**.14486**	**1.013**	**-.00027**
Stddev	.0338	.00004	.00027	.001	.00045
%RSD	1.0164	38.242	.18935	.0810	163.03
#1	3.3002	-.00008	.14506	1.012	.00004
#2	3.3480	-.00014	.14467	1.014	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-BSD@5 Acquired: 3/8/2022 22:16:31 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00084	.00010	.00074	1.0000
Stddev	.00011	.00000	.00006	.0017
%RSD	13.574	2.5117	7.6922	.1718
#1	.00076	.00010	.00070	.9988
#2	.00092	.00009	.00078	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4400.5	3063.5	28022.	2710.5
Stddev	3.7	2.4	85.	5.1
%RSD	.08470	.07987	.30425	.18955
#1	4397.8	3061.8	28083.	2706.9
#2	4403.1	3065.3	27962.	2714.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.118%	97.861%	98.605%	99.590%
Range				

Sample Name: 480-195485-C-2-BPDS Acquired: 3/8/2022 22:20:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05242	9.8526	.22088	1.5422	.35228
Stddev	.00012	.0660	.00132	.0001	.00041
%RSD	.23173	.67014	.59580	.00749	.11579
#1	.05251	9.8059	.22181	1.5422	.35257
#2	.05234	9.8993	.21995	1.5421	.35199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21600	52.738	.20327	-.0519	.20168
Stddev	.00042	.138	.00011	.0132	.00029
%RSD	.19371	.26214	.05480	25.44	.14145
#1	.21630	52.640	.20335	-.0612	.20188
#2	.21571	52.836	.20319	-.0425	.20148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20484	.20691	39.629	22.518	.20218
Stddev	.00019	.00094	.174	.113	.00065
%RSD	.09486	.45344	.43982	.50047	.32196
#1	.20497	.20757	39.506	22.439	.20264
#2	.20470	.20624	39.752	22.598	.20172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-BPDS Acquired: 3/8/2022 22:20:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.840**	**2.5280**	**.22321**	**24.550**	**.19482**
Stddev	.014	.0007	.00005	.105	.00023
%RSD	.07613	.02732	.02142	.42953	.12001
#1	18.850	2.5275	.22317	24.476	.19466
#2	18.829	2.5285	.22324	24.625	.19499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.93**	**.19670**	**11.595**	**.22063**	**.20214**
Stddev	.00	.00046	.048	.00308	.00292
%RSD	.0090	.23435	.41582	1.3981	1.4439
#1	24.93	.19703	11.629	.21845	.20007
#2	24.93	.19638	11.561	.22282	.20420
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**26.313**	**.17426**	**.89419**	**1.025**	**.20009**
Stddev	.126	.00055	.00270	.004	.00083
%RSD	.47968	.31550	.30189	.3962	.41349
#1	26.224	.17465	.89228	1.023	.19950
#2	26.402	.17387	.89610	1.028	.20067
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-BPDS Acquired: 3/8/2022 22:20:14 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20469	.20685	.20330	1.000
Stddev	.00114	.00150	.00009	.001
%RSD	.55935	.72451	.04208	.0695
#1	.20388	.20579	.20324	1.001
#2	.20550	.20791	.20336	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4055.6	2976.9	27185.	2742.6
Stddev	4.2	.9	29.	4.5
%RSD	.10340	.03155	.10606	.16377
#1	4058.6	2977.5	27206.	2745.8
#2	4052.6	2976.2	27165.	2739.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.350%	95.092%	95.660%	100.77%
Range				

Sample Name: 480-195485-C-2-C MS Acquired: 3/8/2022 22:23:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05102	11.867	.21694	1.6141	.40133
Stddev	.00056	.028	.00070	.0002	.00092
%RSD	1.0898	.23600	.32056	.01226	.22890
#1	.05062	11.847	.21645	1.6140	.40068
#2	.05141	11.887	.21743	1.6142	.40198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21060	52.233	.20010	-.0584	.19948
Stddev	.00014	.061	.00049	.0153	.00014
%RSD	.06552	.11724	.24679	26.10	.07034
#1	.21050	52.276	.20045	-.0692	.19938
#2	.21070	52.190	.19975	-.0477	.19957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20265	.20339	39.485	25.196	.25010
Stddev	.00078	.00012	.088	.021	.00135
%RSD	.38713	.05981	.22178	.08283	.54005
#1	.20321	.20330	39.547	25.211	.25106
#2	.20210	.20348	39.424	25.181	.24915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-C MS Acquired: 3/8/2022 22:23:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.822**	**2.5724**	**.22244**	**26.871**	**.19321**
Stddev	.035	.0027	.00005	.005	.00003
%RSD	.18791	.10542	.02111	.01970	.01706
#1	18.797	2.5704	.22247	26.874	.19319
#2	18.847	2.5743	.22241	26.867	.19323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.94**	**.19228**	**11.031**	**.21586**	**.20264**
Stddev	.00	.00004	.003	.00022	.00268
%RSD	.0006	.02218	.02971	.10313	1.3225
#1	24.94	.19231	11.029	.21602	.20454
#2	24.94	.19225	11.033	.21570	.20075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.065**	**.18218**	**.94275**	**1.023**	**.19405**
Stddev	.004	.00073	.00174	.001	.00163
%RSD	.01559	.39887	.18491	.1297	.84173
#1	27.068	.18269	.94398	1.022	.19520
#2	27.062	.18167	.94152	1.024	.19289
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-C MS Acquired: 3/8/2022 22:23:49 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20260	.20822	.20405	1.001
Stddev	.00016	.00068	.00078	.000
%RSD	.07809	.32714	.38293	.0039
#1	.20271	.20774	.20349	1.001
#2	.20249	.20871	.20460	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4035.9	2977.6	27131.	2752.6
Stddev	5.1	3.7	26.	1.2
%RSD	.12650	.12318	.09689	.04354
#1	4032.3	2975.0	27112.	2753.4
#2	4039.5	2980.2	27149.	2751.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.907%	95.114%	95.467%	101.13%
Range				

Sample Name: 480-195485-C-2-D MSD Acquired: 3/8/2022 22:27:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05027	12.098	.22372	1.6408	.40543
Stddev	.00015	.100	.00157	.0004	.00218
%RSD	.29817	.82772	.70170	.02138	.53729
#1	.05016	12.169	.22483	1.6406	.40697
#2	.05037	12.027	.22261	1.6411	.40389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21652	54.048	.20317	-.0636	.20305
Stddev	.00027	.132	.00046	.0053	.00015
%RSD	.12377	.24456	.22693	8.335	.07314
#1	.21671	54.141	.20284	-.0674	.20294
#2	.21633	53.954	.20349	-.0599	.20315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20644	.20555	40.339	25.573	.25546
Stddev	.00026	.00062	.156	.039	.00192
%RSD	.12766	.30199	.38642	.15214	.75157
#1	.20625	.20599	40.449	25.601	.25682
#2	.20662	.20511	40.229	25.546	.25410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-D MSD Acquired: 3/8/2022 22:27:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**19.083**	**2.6110**	**.22509**	**27.482**	**.19562**
Stddev	.126	.0112	.00026	.019	.00142
%RSD	.65962	.42793	.11625	.06827	.72401
#1	19.172	2.6189	.22527	27.495	.19662
#2	18.994	2.6031	.22490	27.468	.19462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.93**	**.19854**	**11.480**	**.22157**	**.20862**
Stddev	.00	.00132	.041	.00212	.00170
%RSD	.0032	.66676	.35986	.95871	.81455
#1	24.93	.19948	11.451	.22307	.20742
#2	24.93	.19761	11.509	.22007	.20982
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.581**	**.18618**	**.96151**	**1.027**	**.19926**
Stddev	.138	.00047	.00173	.009	.00088
%RSD	.50173	.25050	.17970	.8299	.43939
#1	27.678	.18651	.96274	1.021	.19988
#2	27.483	.18585	.96029	1.033	.19864
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-2-D MSD Acquired: 3/8/2022 22:27:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.20453	.20759	.20740	1.001
Stddev	.00104	.00099	.00053	.001
%RSD	.50732	.47486	.25632	.0872
#1	.20380	.20828	.20778	1.001
#2	.20526	.20689	.20703	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4053.5	2986.7	27165.	2766.9
Stddev	1.8	8.1	33.	10.0
%RSD	.04415	.27060	.12056	.36270
#1	4054.8	2992.4	27142.	2759.8
#2	4052.3	2980.9	27189.	2774.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.304%	95.405%	95.590%	101.66%
Range				

Sample Name: 480-195485-C-3-B Acquired: 3/8/2022 22:30:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.03502**	**.00267**	**.01585**	**.03953**
Stddev	.00038	.02713	.00101	.00010	.00001
%RSD	329.42	77.484	37.829	.60028	.02067
#1	-.00038	-.05421	.00195	.01591	.03952
#2	.00015	-.01583	.00338	.01578	.03953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**15.688**	**-.00007**	**-.0302**	**.00126**
Stddev	.00003	.010	.00002	.0184	.00003
%RSD	61.390	.06599	24.576	60.78	1.9903
#1	-.00002	15.695	-.00005	-.0172	.00128
#2	-.00006	15.680	-.00008	-.0432	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00343**	**19.443**	**3.9447**	**-.00050**
Stddev	.00005	.00036	.022	.0129	.00136
%RSD	19.053	10.520	.11399	.32815	271.80
#1	-.00029	.00317	19.459	3.9538	-.00146
#2	-.00022	.00368	19.427	3.9355	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-3-B Acquired: 3/8/2022 22:30:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.3396**	**.60543**	**.00136**	**5.7638**	**-.00019**
Stddev	.0054	.00123	.00024	.0045	.00003
%RSD	.16095	.20366	17.916	.07780	13.347
#1	3.3358	.60455	.00118	5.7670	-.00017
#2	3.3434	.60630	.00153	5.7606	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.07**	**.00324**	**1.2342**	**.00305**	**.00323**
Stddev	.00	.00181	.0032	.00021	.00286
%RSD	.0050	55.891	.25590	7.0381	88.504
#1	25.07	.00196	1.2364	.00290	.00525
#2	25.06	.00451	1.2319	.00320	.00121
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**13.433**	**.00000**	**.16937**	**1.012**	**.00018**
Stddev	.048	.00033	.00016	.001	.00003
%RSD	.35473	11123.	.09628	.0607	17.625
#1	13.400	.00024	.16926	1.012	.00021
#2	13.467	-.00023	.16949	1.012	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-3-B Acquired: 3/8/2022 22:30:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00052	.00022	.00251	1.001
Stddev	.00075	.00007	.00016	.000
%RSD	144.75	33.862	6.3094	.0335
#1	.00001	.00027	.00240	1.001
#2	-.00104	.00017	.00263	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4334.7	3052.6	27960.	2759.4
Stddev	4.9	3.2	81.	4.7
%RSD	.11271	.10362	.29120	.16955
#1	4331.2	3050.4	27902.	2762.7
#2	4338.1	3054.9	28017.	2756.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.636%	97.512%	98.385%	101.38%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 22:34:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0111**	**48.813**	**1.0056**	**1.0413**	**1.0197**
Stddev	.0008	.124	.0000	.0009	.0014
%RSD	.08429	.25307	.00079	.08407	.13756
#1	1.0105	48.726	1.0056	1.0406	1.0187
#2	1.0117	48.901	1.0056	1.0419	1.0207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0355**	**49.149**	**1.0105**	**.9972**	**.96489**
Stddev	.0040	.201	.0004	.0217	.00053
%RSD	.38228	.40951	.04111	2.181	.05494
#1	1.0327	49.007	1.0102	1.013	.96526
#2	1.0383	49.291	1.0108	.9819	.96451
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0414**	**.98928**	**51.530**	**50.642**	**1.0158**
Stddev	.0002	.00030	.121	.015	.0032
%RSD	.01880	.03010	.23498	.02965	.31060
#1	1.0415	.98907	51.615	50.631	1.0136
#2	1.0413	.98949	51.444	50.652	1.0180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 22:34:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.714**	**1.0131**	**1.0579**	**50.520**	**.97843**
Stddev	.042	.0005	.0015	.127	.00116
%RSD	.08620	.04695	.14573	.25120	.11835
#1	48.744	1.0135	1.0590	50.430	.97925
#2	48.684	1.0128	1.0568	50.610	.97761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**37.98**	**.95948**	**24.271**	**1.0090**	**1.0258**
Stddev	.00	.00190	.051	.0004	.0019
%RSD	.0037	.19770	.21022	.03559	.18938
#1	37.98	.96082	24.307	1.0087	1.0244
#2	37.98	.95814	24.235	1.0092	1.0271
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.695**	**.94783**	**1.0102**	**1.515**	**.98793**
Stddev	.124	.00070	.0007	.010	.00112
%RSD	1.1606	.07352	.06778	.6523	.11355
#1	10.608	.94832	1.0097	1.522	.98872
#2	10.783	.94733	1.0107	1.508	.98714
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 22:34:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0101	1.0185	.97199	1.502
Stddev	.0005	.0034	.00059	.000
%RSD	.04655	.33349	.06082	.0221
#1	1.0104	1.0160	.97241	1.502
#2	1.0097	1.0209	.97157	1.502
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3902.2	2963.8	26615.	2663.7
Stddev	4.5	.1	100.	10.5
%RSD	.11603	.00444	.37748	.39272
#1	3899.0	2963.7	26686.	2671.1
#2	3905.4	2963.9	26544.	2656.3

Sample Name: CCB-6880245 Acquired: 3/8/2022 22:38:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**-.02799**	**-.00043**	**.00154**	**-.00013**
Stddev	.00061	.00715	.00027	.00045	.00001
%RSD	61.171	25.538	63.007	29.297	5.2348
#1	-.00057	-.02293	-.00062	.00186	-.00012
#2	-.00144	-.03304	-.00024	.00122	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00374**	**-.00014**	**.0387**	**-.00012**
Stddev	.00002	.00024	.00007	.0064	.00000
%RSD	91.622	6.4271	47.567	16.44	2.5091
#1	-.00004	-.00391	-.00019	.0342	-.00012
#2	-.00001	-.00357	-.00009	.0432	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00204**	**-.00051**	**.04286**	**-.00093**
Stddev	.00007	.00027	.00167	.05123	.00077
%RSD	91.214	13.270	327.45	119.53	82.957
#1	-.00003	.00223	.00067	.00663	-.00038
#2	-.00012	.00185	-.00169	.07908	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 22:38:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00337**	**.00022**	**.00141**	**-.00236**	**.00032**
Stddev	.00306	.00003	.00025	.01502	.00003
%RSD	90.860	13.727	17.566	635.78	8.8312
#1	-.00121	.00025	.00123	-.01298	.00034
#2	-.00554	.00020	.00159	.00826	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00082**	**-.00836**	**-.00073**	**.00112**
Stddev	.00	.00014	.00140	.00018	.00068
%RSD	.0006	17.438	16.714	24.904	60.910
#1	25.01	-.00072	-.00934	-.00060	.00160
#2	25.01	-.00092	-.00737	-.00086	.00064
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**.00004**	**-.00003**	**1.005**	**.00008**
Stddev	.00522	.00061	.00001	.002	.00052
%RSD	312.02	1653.7	28.857	.2055	664.16
#1	-.00536	-.00039	-.00002	1.007	.00045
#2	.00202	.00047	-.00003	1.004	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 22:38:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00072	.00006	-.00023	.9996
Stddev	.00055	.00000	.00010	.0005
%RSD	75.781	3.4659	43.517	.0504
#1	.00111	.00006	-.00016	.9992
#2	.00033	.00006	-.00030	1.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4446.3	3057.7	28068.	2711.2
Stddev	2.0	5.2	26.	5.0
%RSD	.04405	.16995	.09325	.18571
#1	4447.6	3061.4	28086.	2707.7
#2	4444.9	3054.0	28049.	2714.8

Sample Name: CCVL-6882776 Acquired: 3/8/2022 22:42:06 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00559	.17088	.01376	.02196	.00192
Stddev	.00021	.00336	.00081	.00014	.00002
%RSD	3.8396	1.9676	5.8762	.64326	.82504
#1	.00544	.16850	.01434	.02206	.00193
#2	.00574	.17325	.01319	.02186	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00203	.47892	.00188	-.0212	.00361
Stddev	.00005	.00555	.00004	.0222	.00009
%RSD	2.3389	1.1578	2.3249	104.8	2.4393
#1	.00207	.47500	.00191	-.0055	.00367
#2	.00200	.48284	.00185	-.0368	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00394	.01171	.05099	.48238	.02799
Stddev	.00026	.00019	.00155	.02315	.00170
%RSD	6.6639	1.6276	3.0383	4.7999	6.0661
#1	.00412	.01158	.04990	.46601	.02919
#2	.00375	.01185	.05209	.49875	.02679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 22:42:06 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18693	.00306	.01115	.96749	.00982
Stddev	.00229	.00002	.00030	.00034	.00026
%RSD	1.2248	.50408	2.7301	.03490	2.6082
#1	.18531	.00307	.01137	.96773	.00964
#2	.18855	.00305	.01094	.96726	.01000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00876	.17540	.02158	.02328
Stddev	.00	.00093	.00082	.00008	.00011
%RSD	.0007	10.578	.46983	.34812	.47916
#1	25.00	.00941	.17599	.02164	.02320
#2	25.00	.00810	.17482	.02153	.02336
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52169	.00912	.00511	F .9989	.00448
Stddev	.02273	.00027	.00005	.0039	.00027
%RSD	4.3578	2.9152	.99243	.3873	5.9093
#1	.53777	.00931	.00515	1.002	.00430
#2	.50562	.00893	.00508	.9962	.00467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 22:42:06 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.02062	.00492	.00989	F 1.001
Stddev	.00119	.00002	.00036	.001
%RSD	5.7592	.40395	3.6077	.1410
#1	.01978	.00494	.01014	1.000
#2	.02146	.00491	.00963	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4455.1	3088.8	28360.	2745.1
Stddev	1.6	3.1	70.	6.8
%RSD	.03671	.09990	.24835	.24769
#1	4456.3	3091.0	28410.	2749.9
#2	4454.0	3086.6	28310.	2740.3

Sample Name: 480-195485-C-4-B Acquired: 3/8/2022 22:45:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00064	-.00699	-.00120	.00519	.01058
Stddev	.00018	.03534	.00005	.00034	.00002
%RSD	27.473	505.93	4.4300	6.5785	.20304
#1	-.00077	.01801	-.00117	.00495	.01056
#2	-.00052	-.03198	-.00124	.00543	.01059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	5.6578	-.00008	.0020	-.00011
Stddev	.00001	.0084	.00007	.0010	.00013
%RSD	7.4382	.14944	83.604	51.61	125.49
#1	-.00016	5.6638	-.00003	.0028	-.00020
#2	-.00018	5.6518	-.00012	.0013	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00258	.00147	1.7156	-.00121
Stddev	.00029	.00019	.00075	.0126	.00114
%RSD	996.95	7.4393	50.881	.73593	94.023
#1	.00017	.00272	.00200	1.7067	-.00201
#2	-.00023	.00245	.00094	1.7246	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-4-B Acquired: 3/8/2022 22:45:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.4416**	**.00116**	**.00021**	**7.7689**	**-.00007**
Stddev	.0045	.00003	.00008	.0182	.00006
%RSD	.30884	2.3042	38.908	.23415	88.531
#1	1.4447	.00114	.00027	7.7817	-.00012
#2	1.4384	.00118	.00015	7.7560	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00054**	**.99519**	**-.00056**	**-.00074**
Stddev	.00	.00106	.00532	.00003	.00005
%RSD	.0026	197.11	.53416	6.0592	6.4382
#1	25.01	.00129	.99143	-.00058	-.00070
#2	25.01	-.00021	.99895	-.00053	-.00077
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.5219**	**.00010**	**.03685**	**1.005**	**-.00063**
Stddev	.0124	.00014	.00006	.001	.00018
%RSD	.22404	134.07	.16734	.1215	28.867
#1	5.5131	.00020	.03681	1.006	-.00076
#2	5.5306	.00001	.03690	1.004	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-4-B Acquired: 3/8/2022 22:45:54 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00054	.00029	.00149	.9996
Stddev	.00150	.00039	.00015	.0004
%RSD	274.39	133.66	9.7049	.0395
#1	-.00160	.00002	.00160	.9993
#2	.00051	.00057	.00139	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4429.4	3071.3	28307.	2775.7
Stddev	1.5	4.8	34.	10.0
%RSD	.03335	.15581	.11995	.36063
#1	4430.4	3074.7	28283.	2768.6
#2	4428.3	3067.9	28331.	2782.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.769%	98.108%	99.607%	101.99%
Range				

Sample Name: 480-195485-C-5-B Acquired: 3/8/2022 22:49:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00059	-.02355	.00161	.28507	.18591
Stddev	.00065	.00843	.00052	.00016	.00042
%RSD	110.32	35.801	32.257	.05579	.22527
#1	-.00105	-.02951	.00124	.28496	.18562
#2	-.00013	-.01759	.00198	.28519	.18621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	39.612	-.00006	-.0378	.00814
Stddev	.00005	.063	.00001	.0248	.00005
%RSD	158.47	.15796	10.624	65.53	.62203
#1	-.00007	39.656	-.00007	-.0203	.00810
#2	.00000	39.568	-.00006	-.0553	.00817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00465	38.631	19.210	.00090
Stddev	.00011	.00026	.129	.069	.00156
%RSD	20.608	5.5711	.33517	.36055	173.16
#1	.00044	.00447	38.722	19.161	-.00020
#2	.00060	.00484	38.539	19.259	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-5-B Acquired: 3/8/2022 22:49:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.3817**	**.40385**	**.00004**	**27.438**	**.00151**
Stddev	.0456	.00072	.00020	.033	.00032
%RSD	.61746	.17924	491.73	.11901	21.487
#1	7.3495	.40334	.00018	27.415	.00174
#2	7.4140	.40437	-.00010	27.461	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.08**	**.00324**	**.43193**	**.00631**	**.00356**
Stddev	.00	.00042	.00005	.00008	.00121
%RSD	.0036	12.911	.01077	1.2411	33.906
#1	25.08	.00295	.43197	.00626	.00271
#2	25.08	.00354	.43190	.00637	.00441
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.892**	**-.00012**	**.24893**	**1.027**	**-.00006**
Stddev	.103	.00016	.00029	.004	.00018
%RSD	.60722	136.52	.11783	.3395	306.35
#1	16.819	-.00024	.24914	1.024	.00007
#2	16.964	-.00000	.24873	1.029	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-5-B Acquired: 3/8/2022 22:49:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00043	.00492	.00538	1.001
Stddev	.00061	.00030	.00022	.000
%RSD	142.87	6.1031	4.0824	.0027
#1	-.00086	.00471	.00522	1.001
#2	.00000	.00514	.00553	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4120.4	2980.3	27311.	2722.3
Stddev	3.2	1.0	2.	4.6
%RSD	.07810	.03357	.00914	.16748
#1	4118.1	2981.0	27309.	2725.5
#2	4122.7	2979.6	27312.	2719.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.809%	95.203%	96.101%	100.02%
Range				

Sample Name: 480-195485-C-6-B Acquired: 3/8/2022 22:53:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00116	.02358	.00119	.04167	.04047
Stddev	.00083	.03039	.00005	.00056	.00001
%RSD	71.769	128.89	4.3831	1.3421	.02442
#1	-.00175	.04507	.00122	.04128	.04047
#2	-.00057	.00209	.00115	.04207	.04048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	16.606	-.00012	-.0564	.01014
Stddev	.00009	.090	.00004	.0215	.00005
%RSD	186.51	.54007	35.284	38.10	.52638
#1	.00002	16.669	-.00009	-.0715	.01018
#2	-.00012	16.542	-.00015	-.0412	.01010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.01577	20.293	6.8017	-.00034
Stddev	.00034	.00009	.033	.0075	.00005
%RSD	232.61	.59166	.16388	.10984	15.080
#1	.00009	.01570	20.270	6.8070	-.00030
#2	-.00039	.01583	20.317	6.7964	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-6-B Acquired: 3/8/2022 22:53:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.0973**	**2.2909**	**.00093**	**7.3538**	**.00100**
Stddev	.0101	.0007	.00015	.0248	.00004
%RSD	.32754	.02904	16.139	.33757	4.1395
#1	3.0902	2.2905	.00082	7.3713	.00097
#2	3.1045	2.2914	.00104	7.3362	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.04**	**.00195**	**1.6710**	**.00289**	**.00042**
Stddev	.00	.00086	.0039	.00089	.00144
%RSD	.0024	44.373	.23502	30.804	339.76
#1	25.04	.00256	1.6738	.00226	.00144
#2	25.04	.00134	1.6682	.00352	-.00059
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.897**	**.00000**	**.15654**	**1.011**	**-.00019**
Stddev	.054	.00009	.00019	.014	.00024
%RSD	.49128	16859.	.11873	1.385	127.51
#1	10.935	-.00007	.15640	1.021	-.00002
#2	10.859	.00007	.15667	1.001	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195485-C-6-B Acquired: 3/8/2022 22:53:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00040	.00026	.01210	.9996
Stddev	.00123	.00059	.00015	.0006
%RSD	304.83	230.58	1.2021	.0571
#1	.00047	.00068	.01220	.9992
#2	-.00127	-.00016	.01199	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4307.8	3048.3	27923.	2749.3
Stddev	.8	.4	49.	15.6
%RSD	.01931	.01399	.17437	.56910
#1	4307.2	3048.0	27889.	2738.2
#2	4308.4	3048.6	27958.	2760.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.030%	97.375%	98.258%	101.02%
Range				

Sample Name: 195469-2 tot Acquired: 3/8/2022 22:57:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.09488	.00102	.00430	.06798
Stddev	.00010	.01491	.00085	.00008	.00015
%RSD	46.056	15.710	83.071	1.8672	.21544
#1	-.00014	.08434	.00161	.00435	.06809
#2	-.00028	.10542	.00042	.00424	.06788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00013	5.6218	-.00024	.0340	.00466
Stddev	.00001	.0102	.00002	.0228	.00006
%RSD	5.1862	.18091	7.8451	66.93	1.2145
#1	.00012	5.6146	-.00023	.0179	.00462
#2	.00013	5.6289	-.00026	.0501	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00507	.00713	1.2073	.00012
Stddev	.00008	.00015	.00155	.0045	.00115
%RSD	97.773	2.9370	21.720	.37376	931.25
#1	.00002	.00497	.00604	1.2041	.00093
#2	.00013	.00518	.00823	1.2105	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-2 tot Acquired: 3/8/2022 22:57:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.3928**	**.04740**	**.00024**	**114.89**	**.00571**
Stddev	.0078	.00017	.00004	.32	.00009
%RSD	.17838	.35792	14.763	.27694	1.4987
#1	4.3983	.04752	.00021	114.67	.00577
#2	4.3873	.04728	.00026	115.12	.00565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00024**	**2.9655**	**-.00107**	**-.00081**
Stddev	.00	.00036	.0177	.00105	.00260
%RSD	.0024	149.30	.59618	98.163	322.34
#1	25.01	-.00001	2.9530	-.00033	-.00265
#2	25.01	.00049	2.9780	-.00182	.00103
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.4221**	**-.00044**	**.03701**	**1.004**	**-.00040**
Stddev	.0180	.00002	.00018	.001	.00036
%RSD	1.2686	3.4587	.48367	.0996	89.565
#1	1.4093	-.00043	.03689	1.004	-.00066
#2	1.4348	-.00045	.03714	1.005	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-2 tot Acquired: 3/8/2022 22:57:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00266	-.00002	.00564	.9992
Stddev	.00010	.00013	.00003	.0006
%RSD	3.7248	880.85	.57163	.0604
#1	.00273	.00008	.00566	.9988
#2	.00259	-.00011	.00561	.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4232.6	3126.1	28092.	2824.9
Stddev	4.7	5.7	60.	6.2
%RSD	.11194	.18234	.21254	.21806
#1	4236.0	3130.1	28134.	2829.2
#2	4229.3	3122.1	28050.	2820.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.337%	99.860%	98.851%	103.79%
Range				

Sample Name: 195469-5 tot Acquired: 3/8/2022 23:00:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.98639**	**.00161**	**.00770**	**.14430**
Stddev	.00051	.01097	.00019	.00008	.00041
%RSD	114.63	1.1117	11.663	1.0531	.28093
#1	-.00008	.97863	.00174	.00764	.14458
#2	-.00081	.99414	.00148	.00776	.14401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**4.5862**	**.00044**	**.0511**	**.08160**
Stddev	.00001	.0253	.00000	.0034	.00011
%RSD	.35941	.55183	.74448	6.740	.13316
#1	.00276	4.5683	.00043	.0535	.08168
#2	.00275	4.6041	.00044	.0486	.08153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.03232**	**.05705**	**1.1519**	**.00561**
Stddev	.00008	.00025	.00893	.0298	.00000
%RSD	3.6415	.76220	15.657	2.5876	.02283
#1	.00214	.03249	.06336	1.1730	.00561
#2	.00225	.03214	.05073	1.1309	.00562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-5 tot Acquired: 3/8/2022 23:00:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.5217**	**.41786**	**.00007**	**33.103**	**.09533**
Stddev	.0102	.00109	.00009	.146	.00014
%RSD	.22631	.26161	119.86	.44207	.14886
#1	4.5289	.41863	.00001	32.999	.09543
#2	4.5144	.41709	.00013	33.206	.09522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.97**	**.00099**	**5.1719**	**-.00137**	**-.00205**
Stddev	.00	.00095	.0034	.00035	.00165
%RSD	.0034	95.828	.06649	25.643	80.498
#1	24.97	.00165	5.1694	-.00112	-.00088
#2	24.97	.00032	5.1743	-.00162	-.00321
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.2320**	**.00003**	**.03629**	**1.003**	**.01798**
Stddev	.0455	.00023	.00010	.003	.00211
%RSD	1.4064	871.42	.26310	.2924	11.747
#1	3.1999	-.00014	.03622	1.001	.01948
#2	3.2642	.00019	.03636	1.005	.01649
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-5 tot Acquired: 3/8/2022 23:00:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00134	.00007	.13144	1.001
Stddev	.00015	.00026	.00017	.000
%RSD	11.475	354.61	.12769	.0048
#1	.00145	.00026	.13132	1.001
#2	.00123	-.00011	.13156	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4416.4	3525.9	31914.	3153.3
Stddev	12.7	13.2	116.	28.0
%RSD	.28805	.37441	.36253	.88709
#1	4425.4	3535.3	31832.	3173.1
#2	4407.4	3516.6	31996.	3133.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.477%	112.63%	112.30%	115.86%
Range				

Sample Name: 195469-6 tot Acquired: 3/8/2022 23:04:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.02129**	**.00095**	**.04315**	**.03247**
Stddev	.00004	.02075	.00063	.00018	.00004
%RSD	4.3179	97.472	66.272	.41726	.12608
#1	-.00104	.03597	.00051	.04302	.03250
#2	-.00098	.00662	.00140	.04328	.03245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**52.885**	**.00027**	**.0251**	**.00303**
Stddev	.00011	.016	.00006	.0134	.00002
%RSD	131.06	.03008	22.574	53.22	.66547
#1	-.00001	52.874	.00032	.0346	.00305
#2	-.00016	52.896	.00023	.0157	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00274**	**-.00062**	**9.7383**	**.00184**
Stddev	.00030	.00030	.00216	.0151	.00027
%RSD	280.40	10.884	345.73	.15477	14.776
#1	.00010	.00253	-.00215	9.7276	.00203
#2	-.00032	.00295	.00090	9.7489	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-6 tot Acquired: 3/8/2022 23:04:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**18.985**	**.14844**	**-.00016**	**83.294**	**.01073**
Stddev	.023	.00061	.00006	.455	.00038
%RSD	.12185	.41326	36.569	.54633	3.5785
#1	19.002	.14887	-.00012	82.972	.01100
#2	18.969	.14800	-.00021	83.616	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00000**	**34.986**	**-.00131**	**.00108**
Stddev	.00	.00019	.063	.00042	.00120
%RSD	.0028	17570.	.18107	32.243	111.04
#1	25.01	-.00014	35.031	-.00160	.00192
#2	25.01	.00014	34.941	-.00101	.00023
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5586**	**-.00029**	**.23656**	**1.004**	**.00012**
Stddev	.0012	.00003	.00093	.007	.00037
%RSD	.07608	11.870	.39176	.6706	300.36
#1	1.5577	-.00031	.23590	1.009	-.00014
#2	1.5594	-.00026	.23721	.9992	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195469-6 tot Acquired: 3/8/2022 23:04:32 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00105	-.00006	.08231	.9995
Stddev	.00069	.00020	.00019	.0005
%RSD	65.293	314.92	.23336	.0490
#1	.00057	.00008	.08218	.9992
#2	.00154	-.00020	.08245	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4152.2	3174.6	28713.	2878.8
Stddev	5.0	5.4	19.	22.8
%RSD	.11922	.16931	.06628	.79125
#1	4155.7	3178.4	28727.	2894.9
#2	4148.7	3170.8	28700.	2862.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.525%	101.41%	101.04%	105.77%
Range				

Sample Name: 195484-2 tot Acquired: 3/8/2022 23:08:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00065	.25117	-.00126	.13027	.01156
Stddev	.00059	.02684	.00051	.00041	.00004
%RSD	91.159	10.687	40.390	.31246	.36231
#1	-.00023	.27016	-.00090	.12999	.01159
#2	-.00106	.23219	-.00163	.13056	.01153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	20.339	.00002	.0449	.00003
Stddev	.00017	.070	.00007	.0035	.00008
%RSD	139.46	.34240	284.79	7.794	292.28
#1	-.00024	20.388	-.00002	.0474	-.00003
#2	-.00000	20.290	.00007	.0424	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00223	.00579	.04632	9.5349	.00248
Stddev	.00019	.00061	.00187	.0267	.00076
%RSD	8.4134	10.474	4.0440	.27981	30.648
#1	.00236	.00622	.04500	9.5160	.00302
#2	.00210	.00536	.04765	9.5537	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195484-2 tot Acquired: 3/8/2022 23:08:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.7290**	**.04609**	**.00271**	**116.12**	**.00963**
Stddev	.0042	.00007	.00029	.15	.00026
%RSD	.11261	.15266	10.515	.12592	2.6826
#1	3.7260	.04604	.00291	116.22	.00981
#2	3.7319	.04614	.00251	116.01	.00944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.32**	**.00072**	**8.3865**	**-.00095**	**-.00151**
Stddev	.00	.00011	.0168	.00133	.00080
%RSD	.0001	15.018	.19978	139.71	53.281
#1	25.32	.00080	8.3983	-.00189	-.00208
#2	25.32	.00064	8.3747	-.00001	-.00094
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.4172**	**-.00017**	**.07967**	**1.005**	**.00154**
Stddev	.0415	.00007	.00027	.001	.00056
%RSD	.76564	39.808	.33973	.0819	36.772
#1	5.3878	-.00021	.07986	1.005	.00193
#2	5.4465	-.00012	.07948	1.004	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195484-2 tot Acquired: 3/8/2022 23:08:17 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00067	.00027	.05601	1.000
Stddev	.00022	.00013	.00064	.000
%RSD	32.930	47.577	1.1383	.0028
#1	.00083	.00018	.05556	1.000
#2	.00052	.00036	.05646	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4163.7	3048.2	27445.	2752.3
Stddev	6.5	2.3	42.	.5
%RSD	.15556	.07694	.15460	.01680
#1	4168.3	3049.9	27475.	2752.6
#2	4159.1	3046.5	27415.	2751.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.785%	97.371%	96.573%	101.12%
Range				

Sample Name: 195448-1 sol Acquired: 3/8/2022 23:12:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00065	-.02050	.00216	.11997	.41980
Stddev	.00027	.01232	.00016	.00076	.00105
%RSD	42.135	60.126	7.5772	.62955	.24896
#1	-.00084	-.02921	.00204	.12050	.42054
#2	-.00046	-.01178	.00227	.11943	.41906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	71.978	.00009	.0377	.00018
Stddev	.00010	.384	.00006	.0454	.00014
%RSD	1384.1	.53410	67.011	120.4	77.694
#1	.00006	72.250	.00014	.0056	.00028
#2	-.00008	71.706	.00005	.0698	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	.00270	.27806	2.3854	.00445
Stddev	.00045	.00001	.00676	.0190	.00165
%RSD	134.56	.44496	2.4300	.79596	37.141
#1	-.00002	.00271	.28284	2.3720	.00562
#2	-.00065	.00270	.27329	2.3988	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-1 sol Acquired: 3/8/2022 23:12:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**45.113**	**.02006**	**.01919**	**10.340**	**.00058**
Stddev	.079	.00009	.00167	.024	.00026
%RSD	.17493	.43512	8.6988	.23662	45.965
#1	45.168	.02012	.02037	10.357	.00076
#2	45.057	.01999	.01801	10.323	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00066**	**.42545**	**-.00106**	**-.00020**
Stddev	.00	.00018	.00062	.00026	.00065
%RSD	.0019	26.373	.14671	24.511	316.93
#1	25.02	.00054	.42501	-.00124	.00025
#2	25.02	.00079	.42589	-.00087	-.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.230**	**-.00051**	**.29048**	**1.001**	**.00060**
Stddev	.015	.00003	.00065	.002	.00012
%RSD	.13283	6.6291	.22412	.1752	19.938
#1	11.240	-.00053	.29094	.9998	.00052
#2	11.219	-.00048	.29002	1.002	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-1 sol Acquired: 3/8/2022 23:12:01 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00138	-.00087	.00312	.9988
Stddev	.00061	.00006	.00035	.0002
%RSD	44.587	6.5423	11.366	.0178
#1	.00181	-.00083	.00337	.9989
#2	.00094	-.00091	.00287	.9987
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4208.0	3039.5	27729.	2778.9
Stddev	6.9	3.0	101.	5.0
%RSD	.16476	.09927	.36469	.17910
#1	4212.9	3041.7	27658.	2782.4
#2	4203.1	3037.4	27801.	2775.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.782%	97.094%	97.574%	102.10%
Range				

Sample Name: 195448-6 sol Acquired: 3/8/2022 23:15:45 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00111	.04916	.00604	.30779	.04424
Stddev	.00098	.00069	.00191	.00007	.00001
%RSD	88.921	1.4069	31.599	.02264	.02435
#1	-.00041	.04965	.00739	.30784	.04424
#2	-.00180	.04867	.00469	.30774	.04425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	61.080	.00007	-.0166	-.00002
Stddev	.00002	.236	.00008	.0387	.00000
%RSD	33.411	.38695	109.02	233.2	1.0274
#1	-.00008	60.913	.00002	.0108	-.00002
#2	-.00005	61.247	.00013	-.0440	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.00219	.03399	5.9685	.00899
Stddev	.00012	.00069	.00145	.0150	.00152
%RSD	46.552	31.713	4.2783	.25212	16.918
#1	-.00017	.00170	.03297	5.9579	.00792
#2	-.00034	.00268	.03502	5.9791	.01007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-6 sol Acquired: 3/8/2022 23:15:45 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**54.435**	**.00910**	**.01505**	**31.328**	**.00084**
Stddev	.072	.00004	.00098	.037	.00014
%RSD	.13190	.41746	6.5426	.11733	16.614
#1	54.384	.00913	.01575	31.302	.00074
#2	54.486	.00908	.01436	31.354	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00107**	F **95.542**	**.00883**	**-.00115**
Stddev	.00	.00002	.304	.00137	.00036
%RSD	.0054	1.5431	.31837	15.538	30.885
#1	25.01	.00106	95.327	.00980	-.00140
#2	25.01	.00109	95.758	.00786	-.00090
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			90.000		
Low Limit			-.20000		

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**-.00050**	**4.0429**	**1.003**	**.00021**
Stddev	.045	.00060	.0010	.002	.00004
%RSD	.43541	119.74	.02583	.1545	21.347
#1	10.287	-.00008	4.0422	1.001	.00018
#2	10.224	-.00093	4.0437	1.004	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-6 sol Acquired: 3/8/2022 23:15:45 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00046	-.00054	.00054	.9988
Stddev	.00015	.00015	.00035	.0005
%RSD	32.864	28.590	64.261	.0548
#1	.00057	-.00043	.00030	.9992
#2	.00035	-.00065	.00079	.9984
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4178.2	3019.5	27625.	2777.9
Stddev	4.5	6.6	14.	9.1
%RSD	.10727	.21744	.04978	.32824
#1	4181.4	3024.1	27615.	2784.4
#2	4175.1	3014.8	27635.	2771.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.112%	96.453%	97.208%	102.07%
Range				

Sample Name: CCV-6882719 Acquired: 3/8/2022 23:19:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.99936	48.769	1.0128	1.0421	1.0200
Stddev	.00071	.155	.0001	.0010	.0003
%RSD	.07117	.31811	.00596	.10032	.03216
#1	.99885	48.659	1.0127	1.0413	1.0198
#2	.99986	48.879	1.0128	1.0428	1.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0428	49.424	1.0135	1.023	.96906
Stddev	.0098	.444	.0001	.040	.00017
%RSD	.94284	.89908	.01461	3.939	.01786
#1	1.0358	49.110	1.0136	1.051	.96918
#2	1.0497	49.738	1.0134	.9941	.96894
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0379	.99576	51.256	50.447	1.0188
Stddev	.0020	.00372	.253	.197	.0055
%RSD	.19182	.37346	.49320	.39071	.54046
#1	1.0365	.99839	51.078	50.308	1.0149
#2	1.0393	.99313	51.435	50.586	1.0227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 23:19:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.846**	**1.0110**	**1.0576**	**50.611**	**.98049**
Stddev	.151	.0018	.0006	.269	.00020
%RSD	.30947	.18012	.05358	.53121	.02054
#1	48.739	1.0097	1.0580	50.421	.98064
#2	48.953	1.0123	1.0572	50.801	.98035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.00**	**.96305**	**24.681**	**1.0205**	**1.0306**
Stddev	.01	.00220	.011	.0025	.0043
%RSD	.0243	.22806	.04332	.24300	.41353
#1	38.01	.96460	24.688	1.0222	1.0336
#2	38.00	.96150	24.673	1.0187	1.0276
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.622**	**.95449**	**1.0133**	**1.502**	**.99685**
Stddev	.061	.00124	.0033	.007	.00144
%RSD	.57359	.12992	.32966	.4818	.14413
#1	10.579	.95537	1.0109	1.497	.99787
#2	10.665	.95361	1.0156	1.507	.99584
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/8/2022 23:19:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0067	1.0096	.96727	1.499
Stddev	.0016	.0030	.00163	.002
%RSD	.16202	.30140	.16891	.1236
#1	1.0055	1.0075	.96612	1.497
#2	1.0078	1.0118	.96843	1.500
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3887.2	2948.0	26628.	2671.4
Stddev	1.3	1.6	91.	18.4
%RSD	.03447	.05418	.34187	.68785
#1	3888.1	2949.2	26564.	2684.4
#2	3886.3	2946.9	26692.	2658.4

Sample Name: CCB-6880245 Acquired: 3/8/2022 23:23:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**-.00680**	**.00070**	**.00008**	**-.00014**
Stddev	.00003	.03463	.00045	.00002	.00001
%RSD	5.6000	508.99	63.428	23.559	10.330
#1	-.00061	.01768	.00102	.00009	-.00015
#2	-.00057	-.03129	.00039	.00007	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00473**	**-.00013**	**.0243**	**-.00000**
Stddev	.00002	.00116	.00001	.0215	.00002
%RSD	87.646	24.605	8.9734	88.52	547.67
#1	.00001	-.00555	-.00014	.0394	.00001
#2	.00004	-.00390	-.00012	.0091	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00112**	**.00064**	**.04206**	**-.00002**
Stddev	.00005	.00079	.00386	.06707	.00046
%RSD	26.790	70.676	599.33	159.46	2228.2
#1	-.00022	.00168	.00337	-.00536	-.00035
#2	-.00015	.00056	-.00209	.08948	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 23:23:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00415**	**.00017**	**.00204**	**-.00386**	**.00021**
Stddev	.00206	.00000	.00057	.01228	.00024
%RSD	49.587	2.2469	27.920	318.11	111.97
#1	-.00269	.00017	.00163	-.01255	.00038
#2	-.00560	.00017	.00244	.00482	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00021**	**-.00122**	**.00028**	**.00154**
Stddev	.00	.00001	.00231	.00115	.00358
%RSD	.0041	5.0618	189.61	404.16	232.91
#1	25.01	-.00020	.00042	-.00053	-.00099
#2	25.01	-.00021	-.00286	.00109	.00406
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**-.00006**	**.00003**	**1.006**	**-.00005**
Stddev	.02733	.00012	.00010	.009	.00006
%RSD	477.85	201.76	342.35	.8550	120.58
#1	.02504	-.00014	-.00004	1.000	-.00009
#2	-.01360	.00002	.00010	1.012	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/8/2022 23:23:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00044	-.00041	-.00017	1.000
Stddev	.00025	.00007	.00006	.000
%RSD	57.331	15.926	36.740	.0338
#1	.00026	-.00037	-.00021	.9998
#2	.00061	-.00046	-.00012	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4422.5	3039.1	27973.	2688.3
Stddev	1.7	4.3	50.	6.4
%RSD	.03766	.14240	.17940	.23978
#1	4423.6	3042.2	28008.	2683.7
#2	4421.3	3036.1	27937.	2692.8

Sample Name: CCVL-6882776 Acquired: 3/8/2022 23:26:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.15378**	**.01435**	**.02120**	**.00190**
Stddev	.00017	.01406	.00010	.00006	.00002
%RSD	2.7769	9.1451	.71988	.27390	.81216
#1	.00584	.16373	.01442	.02124	.00191
#2	.00607	.14384	.01428	.02116	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**.47633**	**.00184**	**.0640**	**.00349**
Stddev	.00010	.00041	.00004	.0074	.00015
%RSD	4.9036	.08541	2.0990	11.49	4.1999
#1	.00191	.47662	.00181	.0588	.00359
#2	.00204	.47604	.00186	.0692	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.01146**	**.04848**	**.52198**	**.02773**
Stddev	.00032	.00038	.00150	.00170	.00127
%RSD	7.8567	3.3494	3.1034	.32660	4.5655
#1	.00390	.01174	.04954	.52077	.02863
#2	.00436	.01119	.04742	.52318	.02684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/8/2022 23:26:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18910	.00297	.01131	.98110	.00947
Stddev	.00060	.00001	.00011	.01924	.00011
%RSD	.31877	.30516	.98572	1.9611	1.1420
#1	.18953	.00298	.01123	.99471	.00940
#2	.18868	.00296	.01139	.96750	.00955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00921	.17374	.01996	.02484
Stddev	.00	.00022	.00098	.00074	.00054
%RSD	.0013	2.4299	.56584	3.6944	2.1575
#1	25.00	.00937	.17444	.02048	.02522
#2	25.00	.00905	.17305	.01944	.02446
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50498	.00865	.00505	F 1.004	.00455
Stddev	.00506	.00019	.00017	.004	.00021
%RSD	1.0012	2.2081	3.4469	.4097	4.6333
#1	.50856	.00851	.00518	1.001	.00470
#2	.50141	.00878	.00493	1.007	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/8/2022 23:26:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.02094	.00547	.01018	F 1.000
Stddev	.00111	.00056	.00027	.001
%RSD	5.3143	10.169	2.6225	.1284
#1	.02172	.00507	.00999	.9991
#2	.02015	.00586	.01037	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4447.7	3066.7	28023.	2719.9
Stddev	8.3	5.7	66.	2.2
%RSD	.18769	.18677	.23531	.08006
#1	4441.8	3062.6	27976.	2718.4
#2	4453.6	3070.7	28070.	2721.5

Sample Name: 195448-7 sol Acquired: 3/8/2022 23:30:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.00569**	**.00023**	**.00019**	**.01972**
Stddev	.00110	.03576	.00084	.00008	.00003
%RSD	114.01	628.50	358.01	41.214	.15220
#1	-.00019	.03098	-.00036	.00025	.01970
#2	-.00175	-.01960	.00083	.00014	.01974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**23.609**	**-.00027**	**-.0044**	**-.00002**
Stddev	.00002	.080	.00013	.0096	.00004
%RSD	135.45	.33746	48.832	220.6	160.87
#1	-.00000	23.666	-.00036	.0024	.00000
#2	-.00003	23.553	-.00018	-.0112	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00212**	**.03352**	**.09548**	**.00108**
Stddev	.00011	.00025	.00183	.00584	.00034
%RSD	63.354	11.680	5.4472	6.1193	31.350
#1	.00009	.00195	.03481	.09135	.00084
#2	.00024	.00230	.03223	.09962	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-7 sol Acquired: 3/8/2022 23:30:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6261**	**.00370**	**.00048**	**.09251**	**.00037**
Stddev	.0132	.00013	.00033	.00693	.00011
%RSD	.80999	3.5454	67.967	7.4934	31.226
#1	1.6168	.00360	.00025	.09741	.00028
#2	1.6355	.00379	.00071	.08761	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00053**	**.58999**	**.00890**	**-.00037**
Stddev	.00	.00044	.00061	.00021	.00169
%RSD	.0013	82.711	.10370	2.3875	453.98
#1	25.01	.00085	.58956	.00875	-.00157
#2	25.01	.00022	.59043	.00905	.00083
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.24724**	**-.00009**	**.09980**	**1.005**	**.00079**
Stddev	.01924	.00015	.00025	.003	.00008
%RSD	7.7821	168.44	.25172	.2728	9.4890
#1	.26085	-.00019	.09998	1.007	.00074
#2	.23364	.00002	.09963	1.003	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195448-7 sol Acquired: 3/8/2022 23:30:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00262	.00010	.00081	.9992
Stddev	.00093	.00045	.00025	.0000
%RSD	35.607	452.55	30.965	.0044
#1	.00328	-.00022	.00063	.9991
#2	.00196	.00042	.00099	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4593.1	3174.9	28870.	2834.3
Stddev	12.7	14.3	109.	16.9
%RSD	.27609	.45193	.37693	.59597
#1	4602.0	3185.0	28947.	2822.3
#2	4584.1	3164.7	28793.	2846.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.46%	101.42%	101.59%	104.14%
Range				

Sample Name: 195449-7 sol Acquired: 3/8/2022 23:34:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**-.01244**	**.00506**	**.11453**	**.27386**
Stddev	.00011	.00211	.00015	.00067	.00021
%RSD	8.7253	16.962	2.8808	.58251	.07507
#1	-.00135	-.01094	.00495	.11405	.27401
#2	-.00119	-.01393	.00516	.11500	.27371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**119.56**	**.00012**	**-.0083**	**.00052**
Stddev	.00002	.04	.00004	.0097	.00002
%RSD	21.122	.03707	32.444	117.1	4.7402
#1	-.00009	119.59	.00009	-.0014	.00051
#2	-.00012	119.53	.00014	-.0152	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00120**	**3.6832**	**1.4791**	**.00825**
Stddev	.00010	.00011	.0098	.0346	.00065
%RSD	478.01	8.8463	.26605	2.3367	7.8975
#1	.00009	.00127	3.6901	1.4547	.00871
#2	-.00005	.00112	3.6763	1.5036	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195449-7 sol Acquired: 3/8/2022 23:34:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**44.576**	**.28926**	**.00807**	**14.309**	**.00159**
Stddev	.061	.00046	.00059	.010	.00035
%RSD	.13726	.15999	7.3259	.07320	22.226
#1	44.619	.28958	.00849	14.317	.00134
#2	44.533	.28893	.00766	14.302	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00111**	**3.7473**	**.00065**	**-.00222**
Stddev	.00	.00057	.0074	.00056	.00057
%RSD	.0083	51.268	.19689	85.581	25.866
#1	25.01	.00151	3.7421	.00026	-.00181
#2	25.01	.00071	3.7526	.00105	-.00263
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**13.834**	**-.00028**	**.95938**	**1.007**	**.00018**
Stddev	.013	.00031	.00145	.000	.00020
%RSD	.09567	108.57	.15085	.0314	110.95
#1	13.825	-.00050	.95836	1.007	.00004
#2	13.844	-.00007	.96041	1.007	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195449-7 sol Acquired: 3/8/2022 23:34:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00156	-.00102	.00130	.9995
Stddev	.00207	.00001	.00035	.0008
%RSD	132.34	1.3412	26.540	.0804
#1	.00010	-.00101	.00154	.9990
#2	.00303	-.00103	.00106	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4142.8	3012.3	27444.	2743.8
Stddev	11.2	14.8	40.	1.8
%RSD	.26927	.49028	.14612	.06687
#1	4150.7	3022.7	27472.	2745.1
#2	4134.9	3001.8	27416.	2742.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.314%	96.223%	96.570%	100.81%
Range				

Sample Name: 195434-1 tot Acquired: 3/8/2022 23:38:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.32383**	**-.00021**	**.03223**	**.04962**
Stddev	.00007	.04552	.00014	.00057	.00009
%RSD	11.624	14.056	67.874	1.7686	.19059
#1	-.00063	.29165	-.00031	.03182	.04955
#2	-.00053	.35602	-.00011	.03263	.04969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**78.488**	**-.00032**	**.0566**	**-.00002**
Stddev	.00005	.208	.00018	.0099	.00018
%RSD	47.341	.26442	57.388	17.54	959.11
#1	-.00014	78.635	-.00019	.0496	.00011
#2	-.00007	78.341	-.00045	.0637	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00489**	**.24815**	**2.9233**	**.00172**
Stddev	.00001	.00039	.00032	.0038	.00037
%RSD	.74078	8.0694	.12820	.12961	21.276
#1	.00119	.00461	.24838	2.9260	.00146
#2	.00120	.00517	.24793	2.9206	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-1 tot Acquired: 3/8/2022 23:38:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**8.2674**	**.00073**	**.00068**	**153.82**	**.00070**
Stddev	.0247	.00001	.00006	.46	.00022
%RSD	.29842	1.8371	8.9921	.29988	31.121
#1	8.2499	.00072	.00073	154.15	.00085
#2	8.2848	.00074	.00064	153.50	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00099**	**33.601**	**-.00185**	**.00093**
Stddev	.00	.00034	.005	.00050	.00068
%RSD	.0025	34.613	.01480	27.055	73.337
#1	25.01	.00075	33.604	-.00220	.00045
#2	25.02	.00123	33.597	-.00149	.00141
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.4277**	**-.00003**	**.21624**	**1.000**	**.00614**
Stddev	.0258	.00015	.00025	.000	.00068
%RSD	.75238	488.39	.11501	.0021	11.145
#1	3.4095	.00008	.21642	1.000	.00565
#2	3.4460	-.00014	.21607	1.000	.00662
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-1 tot Acquired: 3/8/2022 23:38:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00098	.00226	.00651	1.001
Stddev	.00096	.00057	.00005	.001
%RSD	97.614	25.280	.80036	.1299
#1	.00166	.00186	.00648	.9999
#2	.00030	.00267	.00655	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4027.3	2997.4	27040.	2750.1
Stddev	4.9	5.5	33.	1.6
%RSD	.12128	.18279	.12156	.05743
#1	4030.7	3001.2	27063.	2751.3
#2	4023.8	2993.5	27016.	2749.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.712%	95.747%	95.148%	101.05%
Range				

Sample Name: 195434-10 tot Acquired: 3/8/2022 23:41:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	.00761	.00028	.06128	.06095
Stddev	.00042	.00568	.00072	.00053	.00011
%RSD	130.58	74.580	262.83	.86236	.17720
#1	-.00063	.01162	-.00024	.06165	.06103
#2	-.00002	.00360	.00079	.06091	.06087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	27.068	.00020	.0360	.00785
Stddev	.00001	.156	.00003	.0017	.00002
%RSD	6.4203	.57527	13.209	4.827	.22840
#1	-.00008	27.178	.00018	.0348	.00784
#2	-.00009	26.958	.00021	.0373	.00786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00331	.36465	4.4248	-.00070
Stddev	.00017	.00046	.00289	.0005	.00009
%RSD	320.09	13.759	.79290	.01161	12.207
#1	-.00017	.00363	.36669	4.4245	-.00076
#2	.00007	.00299	.36260	4.4252	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-10 tot Acquired: 3/8/2022 23:41:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.2337**	**.22438**	**-.00002**	**62.984**	**.02394**
Stddev	.0129	.00031	.00010	.219	.00000
%RSD	.13984	.13891	637.98	.34849	.00995
#1	9.2246	.22416	.00005	62.829	.02394
#2	9.2429	.22460	-.00009	63.139	.02394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00025**	**14.766**	**-.00100**	**.00087**
Stddev	.00	.00072	.010	.00124	.00190
%RSD	.0029	283.79	.06639	123.52	219.74
#1	25.01	-.00025	14.772	-.00013	-.00048
#2	25.01	.00076	14.759	-.00188	.00221
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.3726**	**-.00034**	**.12327**	**1.002**	**-.00007**
Stddev	.0031	.00039	.00058	.012	.00001
%RSD	.07160	115.26	.47293	1.232	18.092
#1	4.3749	-.00006	.12368	.9931	-.00006
#2	4.3704	-.00061	.12286	1.011	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-10 tot Acquired: 3/8/2022 23:41:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00113	.00134	.05795	1.000
Stddev	.00103	.00000	.00011	.000
%RSD	91.255	.32871	.18529	.0253
#1	.00040	.00133	.05787	1.000
#2	.00186	.00134	.05803	.9999
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4231.7	3102.5	27963.	2802.9
Stddev	9.2	2.4	11.	5.2
%RSD	.21784	.07832	.04092	.18375
#1	4238.3	3100.8	27971.	2799.3
#2	4225.2	3104.3	27955.	2806.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.318%	99.106%	98.396%	102.98%
Range				

Sample Name: 195434-2 tot Acquired: 3/8/2022 23:45:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.20906**	**-.00083**	**.00209**	**.03877**
Stddev	.00090	.00522	.00069	.00022	.00003
%RSD	1209.4	2.4979	82.445	10.312	.06614
#1	-.00071	.21275	-.00132	.00194	.03878
#2	.00056	.20537	-.00035	.00224	.03875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**9.4314**	**-.00021**	**.0288**	**.00454**
Stddev	.00009	.0014	.00004	.0057	.00006
%RSD	174.44	.01457	16.707	19.80	1.2668
#1	.00012	9.4324	-.00024	.0248	.00450
#2	-.00001	9.4304	-.00019	.0328	.00458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00454**	**.10850**	**.74783**	**.00088**
Stddev	.00002	.00036	.00139	.00838	.00138
%RSD	5.6276	7.9734	1.2788	1.1204	155.93
#1	.00042	.00429	.10949	.75376	-.00009
#2	.00038	.00480	.10752	.74191	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-2 tot Acquired: 3/8/2022 23:45:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.4176**	**.02209**	**-.00012**	**12.219**	**.01440**
Stddev	.0131	.00001	.00008	.051	.00020
%RSD	.24129	.06243	67.739	.41368	1.4085
#1	5.4269	.02210	-.00006	12.183	.01454
#2	5.4084	.02208	-.00018	12.255	.01426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00002**	**12.339**	**-.00082**	**.00029**
Stddev	.00	.00081	.055	.00096	.00048
%RSD	.0016	3382.3	.44937	117.54	168.70
#1	25.01	.00055	12.300	-.00014	-.00006
#2	25.01	-.00060	12.378	-.00150	.00063
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.2336**	**-.00036**	**.06410**	**1.007**	**.00688**
Stddev	.0022	.00002	.00006	.001	.00084
%RSD	.03481	6.7956	.10046	.0764	12.203
#1	6.2321	-.00038	.06405	1.007	.00747
#2	6.2352	-.00034	.06414	1.008	.00628
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-2 tot Acquired: 3/8/2022 23:45:40 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00147	-.00005	.01693	.9994
Stddev	.00129	.00029	.00014	.0000
%RSD	87.638	540.58	.80556	.0037
#1	.00238	-.00025	.01703	.9994
#2	.00056	.00015	.01684	.9994
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4517.7	3177.0	28852.	2849.5
Stddev	15.3	12.5	44.	12.6
%RSD	.33828	.39267	.15275	.44147
#1	4528.5	3185.9	28821.	2858.4
#2	4506.9	3168.2	28883.	2840.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.76%	101.49%	101.52%	104.70%
Range				

Sample Name: 195343-4 tot Acquired: 3/8/2022 23:49:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00394**	**.00024**	**.04843**	**.04664**
Stddev	.00045	.02653	.00086	.00043	.00002
%RSD	68.658	673.55	360.76	.89463	.03485
#1	-.00034	-.01482	.00084	.04812	.04663
#2	-.00097	.02270	-.00037	.04873	.04665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**38.608**	**-.00021**	**-.0088**	**.00072**
Stddev	.00007	.138	.00001	.0023	.00008
%RSD	98.337	.35692	3.9145	25.84	10.701
#1	-.00013	38.705	-.00021	-.0072	.00077
#2	-.00002	38.510	-.00022	-.0105	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00174**	**.00204**	**4.4287**	**-.00090**
Stddev	.00005	.00062	.00118	.0317	.00033
%RSD	20.119	35.376	57.928	.71507	36.245
#1	.00026	.00130	.00120	4.4511	-.00113
#2	.00020	.00217	.00287	4.4063	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195343-4 tot Acquired: 3/8/2022 23:49:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**9.0610**	**.00796**	**-.00015**	**82.280**	**.00096**
Stddev	.0039	.00004	.00003	.213	.00017
%RSD	.04259	.55351	19.109	.25881	17.454
#1	9.0638	.00793	-.00017	82.431	.00108
#2	9.0583	.00799	-.00013	82.130	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00001**	**24.476**	**-.00242**	**-.00158**
Stddev	.00	.00098	.052	.00046	.00113
%RSD	.0027	7967.7	.21348	18.963	71.085
#1	25.01	-.00071	24.439	-.00275	-.00079
#2	25.01	.00068	24.513	-.00210	-.00238
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1576**	**-.00035**	**.12382**	**1.005**	**.00007**
Stddev	.0073	.00039	.00038	.001	.00014
%RSD	.33768	111.88	.30742	.1138	205.13
#1	2.1627	-.00063	.12409	1.006	.00017
#2	2.1524	-.00007	.12355	1.004	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195343-4 tot Acquired: 3/8/2022 23:49:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00121	.00018	.00021	.9999
Stddev	.00003	.00007	.00009	.0012
%RSD	2.8808	37.880	42.159	.1172
#1	.00118	.00013	.00015	1.001
#2	.00123	.00023	.00027	.9991
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4170.6	3060.1	27750.	2772.1
Stddev	6.2	9.2	106.	7.9
%RSD	.14815	.29935	.38075	.28613
#1	4174.9	3066.6	27825.	2766.5
#2	4166.2	3053.6	27676.	2777.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.940%	97.751%	97.649%	101.85%
Range				

Sample Name: 195434-6 tot Acquired: 3/8/2022 23:53:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00095	-.01155	-.00056	.11286	.07071
Stddev	.00032	.01504	.00100	.00005	.00010
%RSD	33.353	130.18	178.25	.04640	.13955
#1	-.00073	-.02219	.00015	.11282	.07064
#2	-.00118	-.00092	-.00127	.11290	.07078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	70.950	-.00021	-.0034	-.00009
Stddev	.00005	.163	.00009	.0255	.00004
%RSD	92.389	.23036	43.218	741.4	45.514
#1	-.00002	70.835	-.00028	-.0214	-.00013
#2	-.00009	71.066	-.00015	.0146	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.00139	2.9687	6.7888	-.00019
Stddev	.00019	.00020	.0123	.0056	.00192
%RSD	10.475	14.631	.41577	.08234	1030.9
#1	.00200	.00154	2.9600	6.7927	.00117
#2	.00172	.00125	2.9775	6.7848	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-6 tot Acquired: 3/8/2022 23:53:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.867**	**.41444**	**-.00027**	**109.50**	**.00003**
Stddev	.049	.00051	.00005	.12	.00041
%RSD	.40919	.12407	18.296	.10602	1367.9
#1	11.832	.41408	-.00023	109.41	.00032
#2	11.901	.41481	-.00030	109.58	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.06**	**.00127**	**2.8796**	**.00128**	**.00066**
Stddev	.00	.00059	.0009	.00298	.00066
%RSD	.0009	46.476	.03184	233.43	100.23
#1	25.06	.00169	2.8789	.00338	.00019
#2	25.06	.00086	2.8802	-.00083	.00113
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.3251**	**-.00025**	**.30852**	**1.005**	**.00036**
Stddev	.0302	.00019	.00125	.004	.00027
%RSD	.69897	78.080	.40476	.3624	74.363
#1	4.3037	-.00038	.30764	1.002	.00017
#2	4.3465	-.00011	.30941	1.007	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-6 tot Acquired: 3/8/2022 23:53:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00110	.00305	.00059	.9995
Stddev	.00040	.00076	.00037	.0012
%RSD	36.439	25.044	63.066	.1181
#1	.00082	.00251	.00085	.9987
#2	.00139	.00359	.00032	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4073.7	3012.1	27290.	2760.5
Stddev	6.3	5.1	79.	5.3
%RSD	.15357	.16813	.28975	.19334
#1	4078.1	3015.7	27346.	2764.2
#2	4069.3	3008.5	27234.	2756.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.758%	96.218%	96.029%	101.43%
Range				

Sample Name: 195434-7 tot Acquired: 3/8/2022 23:56:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00106	1.6890	.00027	.03099	.02417
Stddev	.00093	.0006	.00052	.00011	.00003
%RSD	87.495	.03788	192.93	.34419	.11734
#1	-.00040	1.6895	.00064	.03107	.02415
#2	-.00171	1.6886	-.00010	.03092	.02419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	23.510	-.00022	.0266	.00021
Stddev	.00001	.057	.00000	.0303	.00002
%RSD	35.534	.24381	.77515	113.7	11.788
#1	.00005	23.551	-.00022	.0052	.00022
#2	.00003	23.470	-.00022	.0480	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00493	.00858	2.3397	3.6130	.00022
Stddev	.00030	.00018	.0009	.0328	.00099
%RSD	6.0367	2.0457	.03749	.90700	450.96
#1	.00514	.00870	2.3391	3.6362	-.00048
#2	.00472	.00845	2.3403	3.5899	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-7 tot Acquired: 3/8/2022 23:56:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.8083**	**.00508**	**-.00006**	**4.8126**	**.00205**
Stddev	.0041	.00009	.00026	.0151	.00030
%RSD	.10858	1.7734	469.56	.31358	14.485
#1	3.8054	.00514	.00013	4.8233	.00184
#2	3.8112	.00502	-.00024	4.8020	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00213**	**9.6248**	**-.00028**	**-.00161**
Stddev	.00	.00120	.0201	.00145	.00009
%RSD	.0042	56.241	.20916	521.96	5.8117
#1	25.01	.00298	9.6390	-.00131	-.00155
#2	25.01	.00128	9.6105	.00075	-.00168
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.1167**	**-.00047**	**.07872**	**1.006**	**.04232**
Stddev	.0389	.00003	.00018	.005	.00019
%RSD	.63595	5.6879	.23400	.5220	.45460
#1	6.1442	-.00048	.07885	1.002	.04219
#2	6.0892	-.00045	.07859	1.010	.04246
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195434-7 tot Acquired: 3/8/2022 23:56:53 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00064	.01393	.00279	1.001
Stddev	.00080	.00007	.00023	.001
%RSD	125.60	.48030	8.2457	.0771
#1	.00007	.01388	.00295	1.002
#2	.00120	.01397	.00263	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4460.0	3153.9	28755.	2845.2
Stddev	15.6	6.9	111.	1.1
%RSD	.35049	.21903	.38450	.03862
#1	4471.1	3158.8	28833.	2844.4
#2	4449.0	3149.0	28677.	2845.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.46%	100.75%	101.18%	104.54%
Range				

Sample Name: LB 480-616934/1-C Acquired: 3/9/2022 0:00:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.00801**	**-.00119**	**.01146**	**.00029**
Stddev	.00166	.00977	.00152	.00070	.00001
%RSD	134.82	122.03	127.27	6.1363	3.0602
#1	-.00241	.00110	-.00227	.01096	.00028
#2	-.00006	.01491	-.00012	.01195	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.08090**	**-.00022**	**.0228**	**-.00057**
Stddev	.00004	.00307	.00008	.0108	.00001
%RSD	90.569	3.8007	36.574	47.57	1.6475
#1	-.00002	.07873	-.00016	.0305	-.00056
#2	-.00007	.08308	-.00028	.0151	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00248**	**.01357**	**1.4876**	**.00189**
Stddev	.00031	.00027	.00078	.0093	.00026
%RSD	9.0712	10.816	5.7309	.62568	13.892
#1	.00368	.00267	.01412	1.4810	.00170
#2	.00324	.00229	.01302	1.4942	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-616934/1-C Acquired: 3/9/2022 0:00:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02141	.00105	.00016	F 1596.1	.00011
Stddev	.00480	.00011	.00001	3.6	.00034
%RSD	22.420	10.524	6.7702	.22295	304.86
#1	.02481	.00097	.00017	1593.6	.00035
#2	.01802	.00112	.00015	1598.6	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				1.0000	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	-.00087	.01823	.00056	.00264
Stddev	.00	.00022	.00082	.00215	.00274
%RSD	.0018	25.516	4.5222	382.80	103.71
#1	25.01	-.00071	.01881	.00208	.00458
#2	25.01	-.00102	.01764	-.00096	.00070
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03208	.00025	.00020	1.006	-.00082
Stddev	.01336	.00050	.00002	.001	.00011
%RSD	41.648	199.20	10.808	.1278	13.308
#1	.02263	-.00010	.00021	1.007	-.00074
#2	.04152	.00061	.00018	1.005	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-616934/1-C Acquired: 3/9/2022 0:00:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00311	.00002	.00144	1.000
Stddev	.00194	.00032	.00005	.000
%RSD	62.226	1387.6	3.5219	.0085
#1	-.00174	-.00020	.00147	1.000
#2	-.00448	.00025	.00140	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3408.7	2683.1	23614.	2645.5
Stddev	5.0	2.0	70.	1.9
%RSD	.14607	.07540	.29594	.07178
#1	3405.2	2681.6	23564.	2644.1
#2	3412.2	2684.5	23663.	2646.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.779%	85.707%	83.092%	97.201%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:04:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0120**	**48.498**	**1.0127**	**1.0407**	**1.0240**
Stddev	.0025	.061	.0002	.0007	.0009
%RSD	.24881	.12523	.01706	.06389	.08716
#1	1.0102	48.455	1.0129	1.0412	1.0247
#2	1.0137	48.541	1.0126	1.0402	1.0234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0424**	**48.994**	**1.0079**	**1.034**	**.96697**
Stddev	.0000	.116	.0010	.043	.00025
%RSD	.00092	.23649	.09438	4.204	.02566
#1	1.0424	49.076	1.0073	1.003	.96680
#2	1.0424	48.912	1.0086	1.064	.96715
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0475**	**.98831**	**51.810**	**50.958**	**1.0201**
Stddev	.0014	.00234	.194	.001	.0035
%RSD	.13686	.23646	.37467	.00285	.34511
#1	1.0465	.98666	51.673	50.959	1.0226
#2	1.0485	.98996	51.948	50.957	1.0176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:04:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.801**	**1.0146**	**1.0590**	**50.748**	**.98103**
Stddev	.097	.0022	.0012	.074	.00107
%RSD	.19937	.21996	.11320	.14639	.10878
#1	48.732	1.0130	1.0599	50.800	.98179
#2	48.870	1.0161	1.0582	50.695	.98028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.11**	**.95915**	**24.451**	**1.0127**	**1.0330**
Stddev	.01	.00011	.039	.0009	.0046
%RSD	.0370	.01141	.15978	.08646	.44351
#1	38.12	.95907	24.423	1.0120	1.0362
#2	38.10	.95923	24.478	1.0133	1.0298
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.725**	**.95029**	**1.0116**	**1.514**	**.98873**
Stddev	.006	.00046	.0014	.001	.00253
%RSD	.05654	.04860	.14244	.0573	.25554
#1	10.720	.94996	1.0126	1.513	.98694
#2	10.729	.95062	1.0106	1.514	.99052
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:04:32 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0091	1.0202	.98400	1.507
Stddev	.0013	.0001	.00524	.001
%RSD	.12960	.01463	.53232	.0651
#1	1.0100	1.0203	.98029	1.508
#2	1.0082	1.0200	.98770	1.506
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3892.8	2959.2	26692.	2687.7
Stddev	3.1	1.6	66.	3.3
%RSD	.08036	.05563	.24622	.12422
#1	3890.6	2960.3	26739.	2690.1
#2	3895.0	2958.0	26646.	2685.3

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:08:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**-.02100**	**-.00087**	**-.00029**	**-.00017**
Stddev	.00071	.05342	.00084	.00005	.00001
%RSD	95.018	254.44	96.042	18.845	3.1593
#1	-.00024	-.05877	-.00147	-.00025	-.00016
#2	-.00124	.01678	-.00028	-.00033	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00110**	**-.00013**	**-.0033**	**-.00014**
Stddev	.00007	.00152	.00001	.0340	.00005
%RSD	63.787	138.73	7.0286	1022.	36.022
#1	-.00017	-.00002	-.00014	-.0274	-.00011
#2	-.00006	-.00217	-.00013	.0207	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00189**	**.00151**	**.07504**	**.00114**
Stddev	.00048	.00038	.00101	.05769	.00004
%RSD	2203.8	20.167	66.615	76.871	3.8571
#1	.00032	.00162	.00080	.11583	.00117
#2	-.00036	.00216	.00223	.03425	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:08:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00314	.00016	.00153	.09165	.00004
Stddev	.00046	.00005	.00040	.00562	.00002
%RSD	14.751	35.056	26.107	6.1321	50.029
#1	-.00281	.00012	.00124	.08767	.00005
#2	-.00347	.00019	.00181	.09562	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	-.00019	-.00442	.00008	.00128
Stddev	.00	.00012	.00026	.00057	.00036
%RSD	.0012	62.730	5.9215	740.00	27.919
#1	25.01	-.00011	-.00460	-.00032	.00153
#2	25.01	-.00027	-.00423	.00048	.00103
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00651	.00017	-.00006	.9977	-.00002
Stddev	.00722	.00002	.00001	.0057	.00037
%RSD	110.88	9.0782	18.518	.5745	2038.9
#1	.01161	.00016	-.00005	1.002	.00025
#2	.00141	.00018	-.00006	.9936	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:08:04 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00047	.00024	.00005	.9996
Stddev	.00029	.00032	.00050	.0007
%RSD	61.623	130.53	1072.4	.0684
#1	.00026	.00002	-.00031	.9991
#2	.00067	.00047	.00040	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4436.2	3051.2	28059.	2674.7
Stddev	6.9	6.1	73.	8.3
%RSD	.15494	.19947	.25871	.30991
#1	4431.3	3046.9	28008.	2680.6
#2	4441.0	3055.5	28110.	2668.9

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:11:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	**.17753**	**.01344**	**.02065**	**.00190**
Stddev	.00039	.00217	.00130	.00065	.00002
%RSD	7.1048	1.2208	9.7041	3.1353	1.0482
#1	.00574	.17600	.01436	.02019	.00191
#2	.00519	.17906	.01252	.02111	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.47860**	**.00172**	**-.0093**	**.00345**
Stddev	.00005	.00119	.00008	.0007	.00003
%RSD	2.2925	.24892	4.7460	7.488	.93989
#1	.00209	.47944	.00166	-.0088	.00347
#2	.00202	.47776	.00178	-.0098	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**.01093**	**.04633**	**.52291**	**.02880**
Stddev	.00037	.00018	.00332	.00999	.00022
%RSD	8.8843	1.6176	7.1585	1.9100	.77450
#1	.00389	.01105	.04867	.51585	.02896
#2	.00441	.01080	.04398	.52997	.02864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:11:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18577	.00298	.01116	1.0402	.00927
Stddev	.00184	.00007	.00018	.0075	.00008
%RSD	.99131	2.4516	1.6128	.71773	.91185
#1	.18447	.00293	.01104	1.0454	.00921
#2	.18707	.00303	.01129	1.0349	.00933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00927	.17037	.02092	.02417
Stddev	.00	.00021	.00034	.00073	.00375
%RSD	.0017	2.2528	.20217	3.4698	15.528
#1	25.00	.00912	.17013	.02041	.02152
#2	25.00	.00942	.17062	.02144	.02683
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51689	.00901	.00497	F 1.004	.00470
Stddev	.00554	.00032	.00008	.003	.00007
%RSD	1.0711	3.5444	1.5949	.2655	1.5282
#1	.52080	.00879	.00503	1.002	.00475
#2	.51297	.00924	.00491	1.006	.00465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:11:54 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.02025	.00519	.01025	F .9999
Stddev	.00026	.00017	.00039	.0004
%RSD	1.2807	3.2290	3.7584	.0366
#1	.02006	.00531	.01052	.9996
#2	.02043	.00507	.00998	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4449.8	3076.2	28261.	2713.0
Stddev	4.3	.3	125.	6.1
%RSD	.09609	.01133	.44316	.22462
#1	4446.7	3076.5	28173.	2708.7
#2	4452.8	3076.0	28350.	2717.3

Sample Name: MB 480-617107/2-A Acquired: 3/9/2022 0:15:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**-.03898**	**-.00149**	**-.00086**	**-.00016**
Stddev	.00033	.01653	.00108	.00033	.00001
%RSD	41.053	42.407	72.449	38.681	9.1909
#1	-.00102	-.02729	-.00072	-.00062	-.00017
#2	-.00056	-.05067	-.00225	-.00109	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00951**	**-.00010**	**.0015**	**-.00010**
Stddev	.00008	.00007	.00004	.0117	.00005
%RSD	52.989	.69150	37.675	799.6	54.383
#1	-.00009	.00956	-.00013	-.0068	-.00013
#2	-.00021	.00947	-.00008	.0097	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00221**	**-.00124**	**.01940**	**.00012**
Stddev	.00012	.00042	.00263	.03355	.00085
%RSD	332.31	19.153	211.91	172.94	708.24
#1	.00012	.00191	-.00310	.04312	.00072
#2	-.00005	.00251	.00062	-.00432	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617107/2-A Acquired: 3/9/2022 0:15:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.00017**	**.00026**	**.04722**	**-.00005**
Stddev	.00342	.00005	.00002	.01766	.00022
%RSD	108.20	31.194	6.3681	37.390	438.27
#1	-.00557	.00014	.00027	.05970	-.00021
#2	-.00074	.00021	.00025	.03474	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00067**	**-.00506**	**.00170**	**.00174**
Stddev	.00	.00062	.00208	.00025	.00014
%RSD	.0017	92.923	41.019	14.702	8.0555
#1	25.01	.00110	-.00653	.00152	.00184
#2	25.01	.00023	-.00359	.00187	.00164
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.02265**	**-.00026**	**-.00019**	**1.002**	**-.00042**
Stddev	.00165	.00000	.00001	.000	.00053
%RSD	7.2769	.42808	7.6717	.0010	126.14
#1	-.02149	-.00026	-.00018	1.002	-.00005
#2	-.02382	-.00027	-.00020	1.002	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617107/2-A Acquired: 3/9/2022 0:15:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00027	.00015	.00083	1.000
Stddev	.00143	.00044	.00026	.000
%RSD	529.54	282.61	31.383	.0321
#1	.00074	.00046	.00065	1.0000
#2	-.00128	-.00015	.00102	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4514.5	3113.9	28593.	2778.4
Stddev	6.5	3.7	30.	4.1
%RSD	.14290	.11871	.10582	.14750
#1	4510.0	3111.3	28614.	2775.5
#2	4519.1	3116.5	28572.	2781.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.69%	99.469%	100.61%	102.08%
Range				

Sample Name: LCS 480-617107/3-A Acquired: 3/9/2022 0:19:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1711**	**.00369**	**1.1454**	**.01296**	**1.0528**
Stddev	.0006	.01326	.0002	.00048	.0022
%RSD	.05064	359.48	.01804	3.7114	.20661
#1	1.1706	-.00569	1.1453	.01330	1.0543
#2	1.1715	.01306	1.1456	.01262	1.0512
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0857**	**.08912**	**1.0920**	**-.0247**	**1.0212**
Stddev	.0017	.00106	.0004	.0105	.0013
%RSD	.15481	1.1869	.04139	42.60	.13077
#1	1.0845	.08837	1.0923	-.0321	1.0203
#2	1.0869	.08987	1.0917	-.0173	1.0222
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0802**	**1.0309**	**.01142**	**1.3594**	**.00242**
Stddev	.0061	.0047	.00111	.0336	.00107
%RSD	.56349	.45468	9.7393	2.4750	44.326
#1	1.0759	1.0276	.01064	1.3357	.00166
#2	1.0845	1.0342	.01221	1.3832	.00318
Check ?	Chk Pass	Chk Pass	None	None	None
High Limit					
Low Limit					

Sample Name: LCS 480-617107/3-A Acquired: 3/9/2022 0:19:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01374	1.0611	1.1039	1617.4	1.0373
Stddev	.00087	.0029	.0006	1.0	.0005
%RSD	6.3440	.27318	.05070	.05881	.05250
#1	.01313	1.0591	1.1043	1618.0	1.0369
#2	.01436	1.0632	1.1035	1616.7	1.0377
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 23.74	1.0103	.01509	1.1320	1.1686
Stddev	.01	.0014	.00006	.0023	.0080
%RSD	.0300	.13969	.37093	.20421	.68135
#1	23.75	1.0093	.01513	1.1337	1.1742
#2	23.74	1.0113	.01505	1.1304	1.1629
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass
High Limit	1.200				
Low Limit	.8000				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02217	.00056	.10361	1.001	.00020
Stddev	.00183	.00001	.00029	.000	.00019
%RSD	8.2685	1.9336	.28076	.0332	94.127
#1	.02087	.00056	.10340	1.001	.00033
#2	.02346	.00057	.10382	1.001	.00007
Check ?	None	None	None	Chk Pass	None
High Limit					
Low Limit					

Sample Name: LCS 480-617107/3-A Acquired: 3/9/2022 0:19:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0091	1.0776	1.1149	.9997
Stddev	.0014	.0010	.0081	.0007
%RSD	.13805	.08852	.72560	.0687
#1	1.0101	1.0770	1.1092	.9992
#2	1.0081	1.0783	1.1207	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3406.3	2691.7	23842.	2623.4
Stddev	5.8	4.8	17.	14.1
%RSD	.17097	.17902	.07012	.53911
#1	3410.4	2695.1	23830.	2633.4
#2	3402.2	2688.3	23854.	2613.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.725%	85.983%	83.895%	96.390%
Range				

Sample Name: 480-195382-A-1-G Acquired: 3/9/2022 0:23:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01469**	**-.00134**	**.20043**	**.83786**
Stddev	.00008	.02936	.00131	.00032	.00254
%RSD	33.004	199.93	97.663	.15887	.30330
#1	-.00018	-.00608	-.00227	.20021	.83966
#2	-.00029	.03545	-.00042	.20066	.83606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	F **961.53**	**-.00023**	**-.0569**	**-.00036**
Stddev	.00006	5.05	.00008	.0428	.00003
%RSD	9.7010	.52531	33.110	75.17	9.4209
#1	.00058	965.10	-.00018	-.0267	-.00039
#2	.00066	957.96	-.00028	-.0872	-.00034
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		900.00			
Low Limit		-.50000			

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00103**	**.01317**	**4.8919**	**.08025**
Stddev	.00080	.00039	.00186	.0014	.00120
%RSD	258.94	37.707	14.101	.02918	1.4944
#1	-.00026	.00131	.01448	4.8929	.08109
#2	.00087	.00076	.01185	4.8909	.07940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195382-A-1-G Acquired: 3/9/2022 0:23:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**57.158**	**3.4080**	**.00201**	F **1653.0**	**.00152**
Stddev	.019	.0036	.00016	9.2	.00006
%RSD	.03372	.10449	7.8449	.55657	3.9830
#1	57.172	3.4105	.00190	1659.5	.00157
#2	57.145	3.4055	.00212	1646.5	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00517**	**13.891**	**-.00011**	**.00105**
Stddev	.00	.00118	.038	.00167	.00197
%RSD	.0031	22.897	.27376	1498.3	187.80
#1	25.01	.00433	13.864	-.00129	.00244
#2	25.01	.00601	13.918	.00107	-.00034
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**39.806**	**-.00017**	**1.0243**	**1.006**	**.00729**
Stddev	.557	.00055	.0045	.000	.00042
%RSD	1.3990	328.22	.44330	.0079	5.7908
#1	40.200	.00022	1.0275	1.006	.00699
#2	39.412	-.00056	1.0210	1.006	.00759
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195382-A-1-G Acquired: 3/9/2022 0:23:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00407	-.00015	.00116	.9993
Stddev	.00074	.00018	.00057	.0005
%RSD	18.108	120.31	48.655	.0521
#1	-.00459	-.00028	.00157	.9997
#2	-.00355	-.00002	.00076	.9990
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3058.0	2491.7	22571.	2505.7
Stddev	1.0	1.0	35.	10.1
%RSD	.03321	.04211	.15429	.40424
#1	3058.7	2492.4	22546.	2498.5
#2	3057.2	2490.9	22595.	2512.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	68.879%	79.594%	79.422%	92.064%
Range				

Sample Name: 480-195518-A-16-C Acquired: 3/9/2022 0:27:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.32443**	**.00057**	**.05934**	**.45615**
Stddev	.00124	.02023	.00160	.00003	.00015
%RSD	123.79	6.2363	283.65	.05676	.03253
#1	-.00012	.31012	.00170	.05937	.45604
#2	-.00188	.33873	-.00057	.05932	.45625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**30.270**	**.00242**	**-.0055**	**-.00021**
Stddev	.00004	.175	.00005	.0039	.00008
%RSD	32.065	.57872	2.1971	71.47	37.152
#1	.00010	30.394	.00238	-.0083	-.00026
#2	.00016	30.146	.00246	-.0027	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.56671**	**.18909**	**3.6464**	**.00702**
Stddev	.00009	.00105	.00356	.0033	.00021
%RSD	27.281	.18600	1.8836	.09162	2.9956
#1	.00028	.56596	.19161	3.6487	.00717
#2	.00041	.56745	.18657	3.6440	.00687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-16-C Acquired: 3/9/2022 0:27:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.4325**	**.23295**	**.00019**	F **1575.3**	**.06529**
Stddev	.0058	.00030	.00001	9.6	.00069
%RSD	.16904	.12821	3.4735	.60918	1.0636
#1	3.4283	.23274	.00018	1582.1	.06579
#2	3.4366	.23316	.00019	1568.5	.06480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.47**	**.01543**	**.07996**	**.00056**	**.00357**
Stddev	.00	.00018	.00097	.00341	.00308
%RSD	.0137	1.1580	1.2190	608.78	86.231
#1	24.46	.01530	.07927	-.00185	.00139
#2	24.47	.01555	.08065	.00297	.00574
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3692**	**-.00027**	**.09840**	**1.006**	**.00465**
Stddev	.0101	.00011	.00022	.003	.00016
%RSD	.73402	39.997	.22534	.2583	3.5034
#1	1.3763	-.00019	.09856	1.004	.00454
#2	1.3621	-.00034	.09825	1.007	.00477
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-16-C Acquired: 3/9/2022 0:27:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00287	.00073	1.4576	1.000
Stddev	.00064	.00049	.0017	.001
%RSD	22.309	67.581	.11908	.0655
#1	-.00332	.00108	1.4589	.9999
#2	-.00241	.00038	1.4564	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.1	2681.7	23764.	2620.4
Stddev	9.1	11.5	63.	1.6
%RSD	.26983	.42940	.26403	.06264
#1	3370.6	2673.6	23720.	2619.3
#2	3383.5	2689.9	23809.	2621.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.067%	85.665%	83.622%	96.280%
Range				

Sample Name: 480-195518-A-17-C Acquired: 3/9/2022 0:31:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.15437**	**-.00081**	**.06924**	**.39535**
Stddev	.00088	.04237	.00163	.00092	.00085
%RSD	87.299	27.449	202.81	1.3345	.21582
#1	-.00039	.18433	.00035	.06858	.39596
#2	-.00164	.12441	-.00196	.06989	.39475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**25.050**	**.00082**	**-.0022**	**-.00030**
Stddev	.00003	.189	.00010	.0044	.00009
%RSD	20.887	.75391	12.629	197.3	29.947
#1	.00013	25.183	.00090	-.0053	-.00024
#2	.00018	24.916	.00075	.0009	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01040**	**.00520**	**1.0802**	**5.9079**	**.00595**
Stddev	.00040	.00019	.0056	.0051	.00025
%RSD	3.8490	3.5574	.51694	.08644	4.1941
#1	.01012	.00507	1.0842	5.9115	.00577
#2	.01069	.00533	1.0763	5.9043	.00612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-17-C Acquired: 3/9/2022 0:31:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.8353**	**.12518**	**.00069**	F **1503.2**	**.00477**
Stddev	.0016	.00014	.00027	2.9	.00007
%RSD	.03330	.11315	39.609	.19420	1.3850
#1	4.8364	.12508	.00089	1505.3	.00482
#2	4.8341	.12528	.00050	1501.1	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.07**	**.00387**	**.17210**	**.00133**	**.00290**
Stddev	.00	.00023	.00065	.00136	.00280
%RSD	.0005	6.0195	.37950	102.13	96.482
#1	25.07	.00403	.17256	.00229	.00092
#2	25.07	.00370	.17164	.00037	.00489
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.53912**	**-.00006**	**.07837**	**.9992**	**.00110**
Stddev	.03415	.00002	.00035	.0013	.00024
%RSD	6.3336	35.162	.44131	.1317	21.721
#1	.56327	-.00005	.07861	.9982	.00127
#2	.51498	-.00008	.07812	1.000	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-17-C Acquired: 3/9/2022 0:31:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00314	-.00015	.06897	.9999
Stddev	.00048	.00085	.00112	.0018
%RSD	15.192	552.94	1.6172	.1828
#1	-.00280	.00045	.06976	1.001
#2	-.00348	-.00076	.06818	.9986
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3382.6	2691.6	23805.	2614.6
Stddev	14.0	4.2	13.	4.8
%RSD	.41444	.15551	.05552	.18382
#1	3392.5	2694.6	23796.	2618.0
#2	3372.7	2688.6	23814.	2611.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.190%	85.980%	83.766%	96.068%
Range				

Sample Name: 480-195518-A-18-E Acquired: 3/9/2022 0:34:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.22667**	**-.00027**	**.05475**	**.39220**
Stddev	.00226	.02852	.00090	.00017	.00137
%RSD	433.28	12.581	328.19	.30875	.35018
#1	.00107	.20650	.00036	.05487	.39317
#2	-.00212	.24683	-.00091	.05463	.39122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**33.524**	**.00053**	**.0129**	**-.00019**
Stddev	.00004	.114	.00006	.0283	.00007
%RSD	21.388	.34097	11.078	219.9	37.279
#1	.00020	33.605	.00057	.0328	-.00014
#2	.00015	33.444	.00049	-.0071	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00573**	**.07794**	**6.9047**	**.00535**
Stddev	.00020	.00023	.00105	.0527	.00164
%RSD	24.643	3.9970	1.3482	.76248	30.574
#1	.00067	.00589	.07720	6.8675	.00420
#2	.00095	.00556	.07869	6.9419	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-E Acquired: 3/9/2022 0:34:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.8278**	**.19369**	**.00012**	F **1484.6**	**.00284**
Stddev	.0182	.00156	.00003	2.0	.00008
%RSD	.47564	.80364	25.648	.13558	2.8051
#1	3.8406	.19479	.00015	1486.0	.00289
#2	3.8149	.19259	.00010	1483.1	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.03**	**.00458**	**.23808**	**-.00094**	**.00327**
Stddev	.00	.00126	.00245	.00067	.00025
%RSD	.0039	27.580	1.0274	70.522	7.7743
#1	25.04	.00368	.23981	-.00047	.00309
#2	25.03	.00547	.23635	-.00141	.00345
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1732**	**-.00028**	**.10548**	**1.003**	**.00099**
Stddev	.0037	.00058	.00006	.009	.00062
%RSD	.31681	209.77	.06152	.9327	62.380
#1	1.1706	-.00068	.10544	.9960	.00055
#2	1.1758	.00013	.10553	1.009	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-E Acquired: 3/9/2022 0:34:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00164	-.00003	.03434	.9998
Stddev	.00022	.00035	.00023	.0011
%RSD	13.147	1025.6	.67721	.1102
#1	-.00149	.00021	.03450	1.001
#2	-.00179	-.00028	.03417	.9990
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3417.3	2716.4	24032.	2658.8
Stddev	10.6	10.6	45.	9.4
%RSD	.30929	.38881	.18684	.35238
#1	3409.8	2709.0	24000.	2652.1
#2	3424.8	2723.9	24064.	2665.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.973%	86.773%	84.565%	97.689%
Range				

Sample Name: 195518-A-18-ESD@5 Acquired: 3/9/2022 0:38:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.02675**	**-.00076**	**.00965**	**.07874**
Stddev	.00041	.00260	.00033	.00008	.00000
%RSD	70.686	9.7049	43.520	.85007	.00008
#1	-.00029	.02858	-.00099	.00960	.07874
#2	-.00087	.02491	-.00052	.00971	.07874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**7.0147**	**.00005**	**-.0080**	**-.00018**
Stddev	.00004	.0074	.00009	.0192	.00007
%RSD	422.57	.10490	203.54	239.8	38.971
#1	-.00004	7.0199	-.00002	.0056	-.00022
#2	.00002	7.0095	.00011	-.0215	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00224**	**.01545**	**1.2912**	**.00141**
Stddev	.00004	.00031	.00085	.0307	.00082
%RSD	13.621	13.757	5.5219	2.3759	58.582
#1	.00030	.00203	.01485	1.3129	.00082
#2	.00025	.00246	.01605	1.2695	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-A-18-ESD@5 Acquired: 3/9/2022 0:38:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.79140	.03854	-.00001	292.78	.00060
Stddev	.00574	.00019	.00011	.79	.00036
%RSD	.72537	.50226	1699.8	.26905	60.018
#1	.79546	.03868	.00007	292.22	.00034
#2	.78734	.03840	-.00008	293.33	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.02	-.00004	.03531	-.00008	.00008
Stddev	.00	.00014	.00363	.00062	.00122
%RSD	.0015	344.48	10.283	784.46	1441.6
#1	25.02	.00006	.03274	.00036	-.00078
#2	25.02	-.00014	.03788	-.00052	.00095
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25479	-.00035	.02096	.9985	-.00018
Stddev	.01210	.00021	.00015	.0045	.00029
%RSD	4.7488	59.344	.70283	.4511	154.78
#1	.24623	-.00020	.02106	1.002	.00002
#2	.26335	-.00049	.02086	.9953	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-A-18-ESD@5 Acquired: 3/9/2022 0:38:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00067	.00003	.00658	1.001
Stddev	.00100	.00003	.00006	.000
%RSD	148.86	122.90	.96105	.0037
#1	-.00138	.00005	.00662	1.001
#2	.00004	.00000	.00653	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3849.0	2890.0	25836.	2638.3
Stddev	2.5	1.7	28.	2.6
%RSD	.06408	.05721	.10810	.10036
#1	3850.8	2891.2	25856.	2640.2
#2	3847.3	2888.9	25817.	2636.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.697%	92.318%	90.913%	96.937%
Range				

Sample Name: 480-195518-A-18-EPDS Acquired: 3/9/2022 0:42:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0835**	**.22986**	**1.0546**	**.05500**	**1.3848**
Stddev	.0025	.01605	.0004	.00026	.0073
%RSD	.23375	6.9830	.04166	.48083	.52749
#1	1.0853	.24122	1.0543	.05481	1.3796
#2	1.0817	.21851	1.0549	.05518	1.3900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0246**	**34.483**	**1.0174**	**-.0215**	**.95352**
Stddev	.0049	.153	.0014	.0262	.00139
%RSD	.47439	.44465	.13569	121.8	.14614
#1	1.0212	34.375	1.0165	-.0401	.95450
#2	1.0280	34.592	1.0184	-.0030	.95253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0052**	**.96437**	**.08223**	**6.7335**	**.00605**
Stddev	.0028	.00705	.00223	.0337	.00008
%RSD	.27720	.73097	2.7075	.49983	1.3641
#1	1.0071	.96936	.08380	6.7097	.00599
#2	1.0032	.95939	.08066	6.7573	.00611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-EPDS Acquired: 3/9/2022 0:42:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.7945**	**1.1761**	**1.0340**	F **1500.5**	**.97042**
Stddev	.0330	.0059	.0038	5.0	.00052
%RSD	.86975	.50455	.36573	.33195	.05362
#1	3.8178	1.1803	1.0314	1497.0	.97079
#2	3.7711	1.1719	1.0367	1504.0	.97006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.86**	**.95283**	**.22935**	**1.0250**	**1.0580**
Stddev	.00	.00293	.00055	.0006	.0053
%RSD	.0155	.30716	.24149	.05425	.50453
#1	23.86	.95490	.22974	1.0246	1.0617
#2	23.86	.95076	.22895	1.0254	1.0542
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1385**	**.00011**	**.10557**	**1.004**	**.00088**
Stddev	.0084	.00015	.00026	.007	.00010
%RSD	.73459	128.66	.24856	.7104	11.018
#1	1.1326	.00001	.10539	.9992	.00081
#2	1.1445	.00022	.10576	1.009	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-EPDS Acquired: 3/9/2022 0:42:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.94974	1.0158	1.0634	.9997
Stddev	.00012	.0030	.0015	.0007
%RSD	.01279	.29214	.13921	.0738
#1	.94966	1.0179	1.0644	.9992
#2	.94983	1.0137	1.0623	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.2	2686.1	23803.	2562.1
Stddev	.4	5.3	84.	10.2
%RSD	.01239	.19615	.35411	.39857
#1	3377.5	2689.8	23743.	2569.3
#2	3376.9	2682.4	23863.	2554.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.070%	85.804%	83.758%	94.136%
Range				

Sample Name: 480-195518-A-18-F MS Acquired: 3/9/2022 0:46:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2164**	**.19407**	**1.1337**	**.06792**	**1.6377**
Stddev	.0011	.01343	.0007	.00007	.0018
%RSD	.08697	6.9228	.06129	.09805	.11037
#1	1.2171	.20357	1.1342	.06788	1.6364
#2	1.2156	.18457	1.1332	.06797	1.6390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0880**	**83.571**	**1.1014**	**.0080**	**1.0240**
Stddev	.0012	.011	.0010	.0090	.0004
%RSD	.11422	.01365	.08950	113.2	.03679
#1	1.0871	83.563	1.1021	.0016	1.0237
#2	1.0888	83.579	1.1007	.0143	1.0242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0755**	**1.0322**	**.06159**	**6.0571**	**.00732**
Stddev	.0005	.0050	.00411	.0450	.00076
%RSD	.04892	.48778	6.6814	.74267	10.383
#1	1.0752	1.0357	.06450	6.0253	.00678
#2	1.0759	1.0286	.05868	6.0889	.00785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-F MS Acquired: 3/9/2022 0:46:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.1039**	**1.1845**	**1.1248**	F **1574.7**	**1.0459**
Stddev	.0008	.0004	.0004	2.9	.0004
%RSD	.01998	.03589	.03625	.18624	.03805
#1	4.1045	1.1848	1.1245	1572.6	1.0456
#2	4.1033	1.1842	1.1250	1576.7	1.0462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.83**	**1.0159**	**.41337**	**1.1285**	**1.1545**
Stddev	.00	.0027	.00282	.0003	.0025
%RSD	.0010	.26616	.68147	.02798	.21605
#1	23.83	1.0178	.41537	1.1283	1.1563
#2	23.83	1.0140	.41138	1.1287	1.1527
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.4675**	**.00032**	**.28900**	**1.003**	**.00150**
Stddev	.0056	.00010	.00067	.003	.00035
%RSD	.12626	31.402	.23264	.3197	23.248
#1	4.4715	.00025	.28852	1.005	.00125
#2	4.4635	.00039	.28947	1.001	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-18-F MS Acquired: 3/9/2022 0:46:24 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0327	1.1248	1.1230	1.001
Stddev	.0001	.0033	.0017	.000
%RSD	.00690	.29113	.15516	.0005
#1	1.0328	1.1225	1.1242	1.001
#2	1.0326	1.1271	1.1218	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3315.5	2658.5	23541.	2581.6
Stddev	5.5	5.3	91.	.0
%RSD	.16499	.19795	.38823	.00055
#1	3311.7	2654.7	23477.	2581.5
#2	3319.4	2662.2	23606.	2581.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.680%	84.921%	82.838%	94.852%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:50:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0617**	**48.269**	**1.0217**	**1.0582**	**1.0435**
Stddev	.0034	.280	.0001	.0007	.0003
%RSD	.32370	.58002	.00753	.06323	.03145
#1	1.0592	48.467	1.0218	1.0577	1.0438
#2	1.0641	48.071	1.0217	1.0587	1.0433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0218**	**47.253**	**1.0114**	**1.045**	**.97094**
Stddev	.0002	.105	.0007	.033	.00009
%RSD	.01613	.22280	.07317	3.132	.00953
#1	1.0219	47.327	1.0119	1.022	.97088
#2	1.0217	47.179	1.0108	1.068	.97101
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0546**	**.98562**	**52.684**	**51.622**	**1.0253**
Stddev	.0006	.00019	.209	.061	.0032
%RSD	.05328	.01970	.39620	.11851	.31459
#1	1.0542	.98575	52.832	51.665	1.0276
#2	1.0550	.98548	52.537	51.579	1.0230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:50:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.363**	**1.0315**	**1.0805**	**50.243**	**.99049**
Stddev	.090	.0008	.0011	.052	.00213
%RSD	.18146	.07478	.10568	.10255	.21494
#1	49.299	1.0309	1.0813	50.279	.98898
#2	49.426	1.0320	1.0797	50.206	.99199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.41**	**.95737**	**24.168**	**1.0163**	**1.0559**
Stddev	.01	.00008	.017	.0026	.0041
%RSD	.0241	.00850	.07185	.25483	.39098
#1	38.40	.95742	24.156	1.0182	1.0589
#2	38.41	.95731	24.181	1.0145	1.0530
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.841**	**.94706**	**1.0113**	**1.531**	**.97277**
Stddev	.097	.00080	.0018	.009	.00144
%RSD	.89745	.08451	.17497	.5744	.14836
#1	10.772	.94649	1.0126	1.537	.97175
#2	10.910	.94762	1.0101	1.524	.97379
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 0:50:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**1.0308**	**1.0697**	**.99410**	**1.520**
Stddev	.0030	.0008	.00051	.000
%RSD	.29511	.07111	.05117	.0142
#1	1.0329	1.0691	.99374	1.521
#2	1.0286	1.0702	.99446	1.520
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3892.9**	**2967.6**	**26622.**	**2700.9**
Stddev	5.7	4.1	142.	4.2
%RSD	.14538	.13679	.53209	.15708
#1	3888.9	2964.7	26722.	2697.9
#2	3896.9	2970.5	26522.	2703.9

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:53:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.03353**	**.00016**	**-.00047**	**-.00010**
Stddev	.00005	.02181	.00028	.00018	.00004
%RSD	6.2255	65.033	172.55	38.124	38.820
#1	-.00080	-.01811	-.00004	-.00034	-.00013
#2	-.00088	-.04895	.00036	-.00060	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00205**	**-.00013**	**.0150**	**.00001**
Stddev	.00007	.00191	.00002	.0271	.00004
%RSD	67.850	93.359	16.105	180.1	261.91
#1	-.00016	-.00341	-.00014	-.0041	-.00001
#2	-.00006	-.00070	-.00011	.0342	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00180**	**-.00032**	**.05220**	**-.00014**
Stddev	.00017	.00033	.00087	.05285	.00023
%RSD	64.368	18.293	270.26	101.24	172.36
#1	-.00014	.00203	-.00093	.08957	.00003
#2	-.00039	.00157	.00029	.01483	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:53:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00169	-.00011	.00191	.24829	-.00026
Stddev	.00132	.00002	.00027	.00442	.00029
%RSD	78.304	14.775	14.025	1.7784	113.72
#1	-.00262	-.00009	.00172	.24517	-.00005
#2	-.00075	-.00012	.00210	.25141	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	.00070	-.00873	.00056	.00469
Stddev	.00	.00173	.00067	.00023	.00119
%RSD	.0020	247.98	7.6520	40.717	25.397
#1	25.01	-.00053	-.00826	.00073	.00553
#2	25.01	.00193	-.00920	.00040	.00385
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00309	.00011	-.00015	1.001	-.00029
Stddev	.00244	.00013	.00005	.005	.00006
%RSD	78.989	123.41	30.952	.4634	20.356
#1	.00482	.00001	-.00012	1.004	-.00025
#2	.00137	.00020	-.00019	.9973	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 0:53:41 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00075	-.00005	-.00006	1.000
Stddev	.00027	.00028	.00018	.000
%RSD	36.619	516.20	333.28	.0291
#1	.00056	.00014	-.00019	1.000
#2	.00094	-.00025	.00008	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4454.0	3067.8	28144.	2654.4
Stddev	6.8	4.8	8.	15.2
%RSD	.15187	.15589	.02974	.57346
#1	4449.2	3064.5	28138.	2665.2
#2	4458.8	3071.2	28150.	2643.7

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00568	.19292	.01293	.02036	.00189
Stddev	.00016	.01407	.00137	.00047	.00006
%RSD	2.8575	7.2944	10.562	2.3216	2.9299
#1	.00579	.18297	.01196	.02003	.00185
#2	.00556	.20287	.01390	.02070	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00207	.49184	.00180	.0307	.00357
Stddev	.00010	.00600	.00004	.0320	.00004
%RSD	5.0494	1.2201	2.1886	104.3	1.1045
#1	.00214	.48759	.00177	.0533	.00359
#2	.00199	.49608	.00182	.0081	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00429	.01118	.04815	.50228	.02894
Stddev	.00020	.00048	.00128	.03363	.00064
%RSD	4.7661	4.2676	2.6510	6.6953	2.2281
#1	.00443	.01151	.04905	.52606	.02939
#2	.00415	.01084	.04724	.47850	.02848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19076	.00302	.01126	1.1706	.00967
Stddev	.00280	.00000	.00021	.0012	.00016
%RSD	1.4689	.02250	1.8583	.10276	1.6976
#1	.18878	.00302	.01111	1.1715	.00979
#2	.19274	.00302	.01141	1.1698	.00956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00953	.17210	.02193	.02288
Stddev	.00	.00001	.00264	.00040	.00139
%RSD	.0047	.13306	1.5335	1.8193	6.0905
#1	25.00	.00954	.17396	.02221	.02189
#2	25.00	.00952	.17023	.02165	.02386
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52812	.00861	.00498	F 1.006	.00419
Stddev	.00390	.00006	.00007	.012	.00016
%RSD	.73846	.66901	1.4502	1.185	3.8963
#1	.53087	.00857	.00503	1.015	.00408
#2	.52536	.00865	.00493	.9977	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 0:57:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01957	.00474	.00980	F 1.002
Stddev	.00081	.00002	.00022	.002
%RSD	4.1527	.44736	2.1997	.1624
#1	.01900	.00472	.00995	1.003
#2	.02015	.00475	.00964	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4444.9	3070.5	28027.	2648.0
Stddev	1.4	5.4	91.	6.4
%RSD	.03135	.17492	.32487	.24015
#1	4443.9	3074.3	28091.	2643.5
#2	4445.9	3066.7	27962.	2652.5

Sample Name: 480-195518-B-18-C MS Acquired: 3/9/2022 1:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1779**	**.36729**	**1.1148**	**.07861**	**1.4848**
Stddev	.0043	.00661	.0024	.00020	.0032
%RSD	.36379	1.7990	.21881	.24998	.21805
#1	1.1809	.37196	1.1131	.07847	1.4825
#2	1.1749	.36261	1.1165	.07874	1.4871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0665**	**34.096**	**1.0741**	**-.0360**	**1.0086**
Stddev	.0015	.014	.0003	.0365	.0011
%RSD	.14494	.04192	.02604	101.3	.10516
#1	1.0676	34.086	1.0743	-.0102	1.0093
#2	1.0654	34.106	1.0739	-.0618	1.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0540**	**1.0160**	**.18290**	**7.5018**	**.00412**
Stddev	.0012	.0001	.00146	.0482	.00045
%RSD	.10949	.00887	.80072	.64285	10.837
#1	1.0532	1.0159	.18186	7.4677	.00381
#2	1.0549	1.0160	.18393	7.5359	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-18-C MS Acquired: 3/9/2022 1:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.0137**	**2.2622**	**1.0964**	F **1547.3**	**1.0267**
Stddev	.0028	.0014	.0012	1.1	.0014
%RSD	.05531	.06057	.11268	.07060	.13280
#1	5.0156	2.2632	1.0973	1548.1	1.0276
#2	5.0117	2.2612	1.0955	1546.6	1.0257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.88**	**.99668**	**.30669**	**1.0950**	**1.1235**
Stddev	.00	.00107	.00351	.0002	.0065
%RSD	.0116	.10685	1.1449	.02076	.57558
#1	23.88	.99744	.30917	1.0952	1.1281
#2	23.88	.99593	.30421	1.0948	1.1189
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6490**	**-.00055**	**.20942**	**1.004**	**.00413**
Stddev	.0121	.00008	.00023	.002	.00030
%RSD	.73153	14.817	.11145	.2330	7.3264
#1	1.6575	-.00061	.20959	1.006	.00434
#2	1.6405	-.00049	.20926	1.002	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-18-C MS Acquired: 3/9/2022 1:01:19 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0105	1.0934	1.1196	1.000
Stddev	.0008	.0022	.0026	.000
%RSD	.07785	.20047	.23194	.0401
#1	1.0099	1.0950	1.1215	.9998
#2	1.0111	1.0919	1.1178	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3360.6	2685.6	23707.	2588.7
Stddev	.5	.4	141.	6.9
%RSD	.01505	.01398	.59552	.26846
#1	3360.2	2685.3	23607.	2593.6
#2	3360.9	2685.9	23807.	2583.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.695%	85.788%	83.420%	95.115%
Range				

Sample Name: 480-195518-A-19-C Acquired: 3/9/2022 1:05:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.17246**	**.00361**	**.07181**	**.50469**
Stddev	.00112	.01201	.00207	.00006	.00026
%RSD	104.58	6.9630	57.357	.08026	.05188
#1	-.00028	.18095	.00507	.07185	.50451
#2	-.00186	.16397	.00215	.07177	.50488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**31.082**	**.00742**	**-.0218**	**.00185**
Stddev	.00004	.059	.00009	.0581	.00011
%RSD	31.604	.19119	1.2401	266.1	5.9987
#1	.00016	31.124	.00735	.0193	.00193
#2	.00010	31.040	.00748	-.0629	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**4.4447**	**.09620**	**5.0892**	**.00741**
Stddev	.00012	.0019	.00099	.0482	.00033
%RSD	27.620	.04379	1.0303	.94758	4.3934
#1	.00035	4.4433	.09690	5.1233	.00718
#2	.00052	4.4460	.09550	5.0551	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-19-C Acquired: 3/9/2022 1:05:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.0735**	**1.0130**	**.00210**	F **1555.5**	**.72968**
Stddev	.0283	.0030	.00019	5.0	.00099
%RSD	.92120	.29688	9.1277	.31914	.13580
#1	3.0535	1.0109	.00196	1559.0	.73038
#2	3.0936	1.0151	.00223	1551.9	.72898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.08248**	**.16702**	**.00301**	**.00675**
Stddev	-----	.00066	.00071	.00424	.00100
%RSD	-----	.79565	.42559	141.03	14.879
#1	^ -----	.08295	.16652	.00001	.00746
#2	^ -----	.08202	.16753	.00600	.00604
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2300**	**.00054**	**.10737**	**1.003**	**.00145**
Stddev	.0187	.00017	.00021	.001	.00028
%RSD	1.5214	32.360	.19316	.1055	19.448
#1	1.2432	.00042	.10752	1.002	.00125
#2	1.2167	.00066	.10722	1.003	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-19-C Acquired: 3/9/2022 1:05:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00443**	**.00034**	**14.545**	**.9999**
Stddev	.00157	.00046	.044	.0013
%RSD	35.376	134.05	.30510	.1253
#1	-.00332	.00002	14.513	.9991
#2	-.00553	.00066	14.576	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3391.5**	**2696.7**	**23749.**	**2631.4**
Stddev	16.4	10.3	9.	6.8
%RSD	.48233	.38099	.03939	.25687
#1	3380.0	2689.4	23742.	2626.6
#2	3403.1	2704.0	23756.	2636.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.393%	86.142%	83.568%	96.684%
Range				

Sample Name: 480-195518-A-20-C Acquired: 3/9/2022 1:08:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.27631	.00230	.08649	.47958
Stddev	.00012	.00986	.00110	.00004	.00158
%RSD	413.09	3.5689	48.036	.04387	.32922
#1	-.00006	.28329	.00308	.08652	.48070
#2	.00012	.26934	.00152	.08647	.47847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00012	53.166	.00685	.0333	-.00036
Stddev	.00001	.153	.00012	.0051	.00004
%RSD	10.251	.28703	1.6914	15.40	11.549
#1	.00013	53.058	.00693	.0297	-.00033
#2	.00012	53.274	.00677	.0369	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00249	.00845	.14818	3.4266	.00612
Stddev	.00009	.00025	.00050	.0267	.00162
%RSD	3.4355	3.0089	.33987	.77865	26.448
#1	.00243	.00863	.14782	3.4078	.00726
#2	.00255	.00827	.14854	3.4455	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-20-C Acquired: 3/9/2022 1:08:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.1985**	**.14083**	**.00056**	F **1576.4**	**.00385**
Stddev	.0029	.00021	.00010	5.5	.00015
%RSD	.05677	.14715	17.250	.34840	3.8018
#1	5.2006	.14068	.00049	1572.5	.00395
#2	5.1964	.14097	.00062	1580.3	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.08**	**.02531**	**.11514**	**.00279**	**-.00049**
Stddev	.00	.00020	.00007	.00015	.00354
%RSD	.0051	.78233	.06005	5.3645	723.87
#1	25.08	.02517	.11509	.00268	-.00299
#2	25.07	.02545	.11518	.00290	.00201
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.4096**	**-.00014**	**.18012**	**1.006**	**.00246**
Stddev	.0251	.00015	.00016	.001	.00006
%RSD	1.0413	109.41	.08841	.0508	2.5515
#1	2.3919	-.00025	.18023	1.006	.00242
#2	2.4274	-.00003	.18001	1.006	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-20-C Acquired: 3/9/2022 1:08:50 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00242	.00070	.06737	1.0000
Stddev	.00051	.00074	.00059	.0002
%RSD	21.165	105.94	.87013	.0171
#1	-.00279	.00018	.06695	.9998
#2	-.00206	.00123	.06778	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3367.7	2685.3	23712.	2584.2
Stddev	1.0	1.5	36.	8.2
%RSD	.02967	.05421	.15030	.31869
#1	3368.5	2686.3	23687.	2590.0
#2	3367.0	2684.2	23737.	2578.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.857%	85.777%	83.439%	94.948%
Range				

Sample Name: 480-195518-A-21-C Acquired: 3/9/2022 1:12:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.23550**	**.00107**	**.07795**	**.29003**
Stddev	.00036	.02031	.00061	.00070	.00016
%RSD	45.500	8.6226	57.480	.89960	.05688
#1	-.00053	.24985	.00063	.07745	.29015
#2	-.00104	.22114	.00150	.07844	.28992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**29.291**	**.00038**	**.0136**	**-.00038**
Stddev	.00003	.078	.00001	.0243	.00007
%RSD	55.022	.26658	3.2719	178.4	18.839
#1	.00004	29.236	.00037	-.0036	-.00043
#2	.00008	29.346	.00039	.0308	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.00330**	**.13944**	**4.8685**	**.00529**
Stddev	.00047	.00056	.00266	.0154	.00049
%RSD	15.866	17.020	1.9086	.31588	9.2300
#1	.00327	.00291	.13756	4.8577	.00494
#2	.00261	.00370	.14132	4.8794	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-21-C Acquired: 3/9/2022 1:12:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.2025**	**.04271**	**.00027**	F **1578.0**	**.00206**
Stddev	.0107	.00018	.00013	4.0	.00011
%RSD	.33561	.42702	46.560	.25613	5.3601
#1	3.2101	.04284	.00036	1575.1	.00198
#2	3.1949	.04258	.00018	1580.8	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.19**	**.00134**	**.12646**	**.00093**	**.00094**
Stddev	.00	.00121	.00238	.00128	.00123
%RSD	.0090	90.471	1.8798	136.98	131.24
#1	25.19	.00048	.12478	.00003	.00007
#2	25.19	.00219	.12814	.00183	.00181
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.82208**	**.00047**	**.08080**	**1.001**	**.00236**
Stddev	.02985	.00027	.00004	.006	.00024
%RSD	3.6316	57.569	.05170	.6507	10.157
#1	.84319	.00066	.08077	1.005	.00253
#2	.80097	.00028	.08083	.9959	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-21-C Acquired: 3/9/2022 1:12:41 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00190	.00092	.01026	1.000
Stddev	.00001	.00057	.00014	.002
%RSD	.37104	62.244	1.3206	.1469
#1	-.00190	.00052	.01016	1.001
#2	-.00191	.00133	.01035	.9990
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.6	2683.9	23603.	2547.3
Stddev	7.4	7.0	35.	.1
%RSD	.22090	.25927	.15038	.00242
#1	3376.9	2688.8	23578.	2547.2
#2	3366.4	2679.0	23628.	2547.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.944%	85.734%	83.055%	93.592%
Range				

Sample Name: 480-195518-B-22-C Acquired: 3/9/2022 1:16:33 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.44648	-.00044	.11714	.49873
Stddev	.00023	.03707	.00012	.00020	.00023
%RSD	107.53	8.3029	28.480	.17226	.04609
#1	-.00005	.42027	-.00035	.11700	.49857
#2	-.00037	.47270	-.00053	.11728	.49889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	51.409	.00058	.0491	-.00040
Stddev	.00003	.002	.00008	.0283	.00015
%RSD	2557.4	.00350	13.013	57.56	37.111
#1	.00003	51.410	.00053	.0691	-.00050
#2	-.00002	51.408	.00064	.0291	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00180	.00352	.30527	2.6562	.00608
Stddev	.00025	.00006	.00373	.0799	.00130
%RSD	13.961	1.8102	1.2223	3.0099	21.386
#1	.00163	.00348	.30791	2.5997	.00516
#2	.00198	.00357	.30263	2.7128	.00700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-22-C Acquired: 3/9/2022 1:16:33 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.1118**	**.08205**	**.00002**	F **1513.2**	**.00131**
Stddev	.0151	.00042	.00024	2.3	.00012
%RSD	.24694	.50866	1053.6	.15095	9.5544
#1	6.1224	.08234	-.00014	1514.8	.00140
#2	6.1011	.08175	.00019	1511.5	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.11**	**.00459**	**.08671**	**.00128**	**.00373**
Stddev	.00	.00017	.00139	.00081	.00011
%RSD	.0055	3.7876	1.6074	62.996	3.0198
#1	25.11	.00447	.08572	.00071	.00365
#2	25.11	.00472	.08770	.00185	.00381
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.8057**	**.00036**	**.18500**	**.9990**	**.00887**
Stddev	.0272	.00028	.00013	.0067	.00025
%RSD	.97016	76.859	.07142	.6752	2.8170
#1	2.7864	.00055	.18509	1.004	.00905
#2	2.8249	.00016	.18491	.9942	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-22-C Acquired: 3/9/2022 1:16:33 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00350	.00053	.00931	1.000
Stddev	.00056	.00006	.00018	.000
%RSD	16.066	10.787	1.9652	.0283
#1	-.00390	.00057	.00918	.9999
#2	-.00311	.00049	.00944	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3364.8	2678.1	23690.	2596.8
Stddev	5.5	1.5	47.	6.8
%RSD	.16296	.05555	.19873	.26187
#1	3368.6	2679.2	23723.	2601.6
#2	3360.9	2677.1	23657.	2592.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.789%	85.550%	83.360%	95.411%
Range				

Sample Name: 480-195518-A-23-C Acquired: 3/9/2022 1:20:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00081	.41708	.00113	.10390	.53545
Stddev	.00050	.00973	.00229	.00012	.00383
%RSD	62.190	2.3326	201.61	.11406	.71531
#1	-.00116	.42396	.00275	.10398	.53274
#2	-.00045	.41020	-.00048	.10382	.53816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	59.308	.00169	.0263	-.00028
Stddev	.00005	.263	.00002	.0328	.00011
%RSD	56.810	.44286	1.4124	124.5	38.408
#1	.00012	59.122	.00167	.0031	-.00021
#2	.00005	59.494	.00170	.0495	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.00388	.25899	3.9448	.00722
Stddev	.00003	.00057	.00083	.0276	.00152
%RSD	3.0272	14.753	.32113	.69897	21.076
#1	.00085	.00428	.25957	3.9643	.00830
#2	.00088	.00347	.25840	3.9253	.00615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-23-C Acquired: 3/9/2022 1:20:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.999**	**.14290**	**.00010**	F **1525.9**	**.00208**
Stddev	.067	.00114	.00013	4.2	.00014
%RSD	.56036	.79579	133.35	.27414	6.5789
#1	11.951	.14209	.00019	1522.9	.00218
#2	12.046	.14370	.00001	1528.8	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.28**	**.00692**	**.12634**	**.00039**	**.00374**
Stddev	.00	.00000	.00255	.00135	.00243
%RSD	.0013	.04904	2.0188	349.65	65.010
#1	25.28	.00692	.12815	-.00057	.00546
#2	25.28	.00691	.12454	.00134	.00202
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7286**	**.00005**	**.15134**	**1.013**	**.00621**
Stddev	.0224	.00014	.00082	.002	.00055
%RSD	1.2968	267.70	.54028	.1560	8.7901
#1	1.7444	-.00005	.15076	1.012	.00660
#2	1.7127	.00015	.15192	1.014	.00583
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-23-C Acquired: 3/9/2022 1:20:23 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00409	.00020	.10082	1.000
Stddev	.00052	.00009	.00098	.000
%RSD	12.673	44.920	.97472	.0291
#1	-.00446	.00027	.10013	1.000
#2	-.00373	.00014	.10152	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3362.6	2688.8	23844.	2593.1
Stddev	5.4	2.9	127.	1.8
%RSD	.16155	.10847	.53464	.06939
#1	3358.8	2686.7	23934.	2591.9
#2	3366.4	2690.8	23753.	2594.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.741%	85.889%	83.901%	95.278%
Range				

Sample Name: 480-195518-B-24-C Acquired: 3/9/2022 1:24:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00130	1.6383	-.00011	.09911	.34369
Stddev	.00015	.0040	.00060	.00026	.00061
%RSD	11.617	.24444	541.30	.25890	.17701
#1	-.00141	1.6355	-.00053	.09929	.34326
#2	-.00119	1.6412	.00031	.09893	.34412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00016	38.418	.00046	.0068	-.00009
Stddev	.00004	.251	.00009	.0444	.00013
%RSD	21.902	.65446	20.379	656.7	150.62
#1	.00014	38.241	.00039	.0382	.00001
#2	.00019	38.596	.00053	-.0247	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00318	.00380	1.1971	2.8969	.00813
Stddev	.00024	.00010	.0048	.0509	.00048
%RSD	7.4351	2.6392	.39836	1.7559	5.9272
#1	.00335	.00373	1.1937	2.8609	.00847
#2	.00301	.00387	1.2005	2.9329	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-24-C Acquired: 3/9/2022 1:24:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.6519**	**.08824**	**.00008**	F **1551.7**	**.00266**
Stddev	.0206	.00017	.00022	5.8	.00012
%RSD	.36514	.18821	280.06	.37129	4.3779
#1	5.6373	.08812	.00024	1547.6	.00275
#2	5.6665	.08836	-.00008	1555.8	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.04**	**.00378**	**.11485**	**-.00027**	**.00475**
Stddev	.00	.00007	.00371	.00097	.00229
%RSD	.0063	1.7792	3.2312	356.03	48.205
#1	25.04	.00383	.11747	-.00096	.00313
#2	25.05	.00374	.11222	.00042	.00637
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.9829**	**.00008**	**.11312**	**.9962**	**.03037**
Stddev	.0159	.00059	.00053	.0056	.00061
%RSD	.53443	757.24	.46626	.5610	2.0125
#1	2.9716	-.00034	.11274	.9922	.03081
#2	2.9942	.00049	.11349	1.000	.02994
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-24-C Acquired: 3/9/2022 1:24:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00229	.00206	.01209	.9999
Stddev	.00024	.00005	.00017	.0005
%RSD	10.457	2.3453	1.4120	.0489
#1	-.00246	.00210	.01197	.9996
#2	-.00212	.00203	.01221	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3400.0	2710.1	24103.	2625.2
Stddev	4.5	1.9	82.	9.7
%RSD	.13156	.06945	.34050	.37059
#1	3403.2	2711.5	24161.	2632.1
#2	3396.9	2708.8	24045.	2618.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.584%	86.572%	84.814%	96.455%
Range				

Sample Name: 480-195518-B-25-C Acquired: 3/9/2022 1:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.49534**	**.00050**	**.12734**	**.48162**
Stddev	.00159	.02430	.00097	.00015	.00080
%RSD	266.39	4.9051	192.18	.11916	.16601
#1	.00053	.51252	.00118	.12745	.48106
#2	-.00172	.47816	-.00018	.12724	.48219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**48.650**	**.00013**	**.0001**	**-.00023**
Stddev	.00003	.116	.00013	.0231	.00001
%RSD	345.32	.23840	102.46	15860.	5.6729
#1	-.00003	48.568	.00022	.0165	-.00024
#2	.00001	48.732	.00003	-.0162	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**.00871**	**.30789**	**3.0034**	**.00345**
Stddev	.00001	.00041	.00053	.0361	.00036
%RSD	.36043	4.7482	.17336	1.2018	10.386
#1	.00305	.00842	.30827	3.0290	.00320
#2	.00306	.00900	.30751	2.9779	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-25-C Acquired: 3/9/2022 1:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.7283**	**.03026**	**-.00015**	F **1531.8**	**.00191**
Stddev	.0058	.00010	.00013	3.3	.00020
%RSD	.12224	.32390	85.763	.21615	10.500
#1	4.7324	.03033	-.00006	1529.5	.00206
#2	4.7242	.03019	-.00025	1534.2	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.17**	**.00180**	**.13149**	**.00029**	**.00078**
Stddev	.00	.00028	.00262	.00019	.00200
%RSD	.0078	15.526	1.9899	63.934	255.00
#1	25.17	.00161	.13334	.00042	.00220
#2	25.17	.00200	.12964	.00016	-.00063
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.5134**	**-.00008**	**.14997**	**1.008**	**.00622**
Stddev	.0053	.00007	.00032	.006	.00013
%RSD	.21168	82.065	.21425	.6330	2.0889
#1	2.5171	-.00003	.14974	1.013	.00631
#2	2.5096	-.00013	.15020	1.003	.00613
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-B-25-C Acquired: 3/9/2022 1:28:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00155	.00065	.01155	.9991
Stddev	.00105	.00000	.00025	.0014
%RSD	67.829	.50441	2.1903	.1373
#1	-.00080	.00065	.01137	.9981
#2	-.00229	.00065	.01173	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.0	2689.6	23717.	2561.5
Stddev	4.5	.5	26.	6.5
%RSD	.13316	.01726	.10922	.25298
#1	3380.2	2689.9	23735.	2566.1
#2	3373.8	2689.2	23699.	2556.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.065%	85.915%	83.455%	94.115%
Range				

Sample Name: 480-195518-A-26-C Acquired: 3/9/2022 1:31:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.90273**	**-.00021**	**.08746**	**.37166**
Stddev	.00007	.01790	.00046	.00031	.00029
%RSD	12.258	1.9832	224.81	.35880	.07880
#1	-.00063	.89007	-.00053	.08723	.37187
#2	-.00053	.91539	.00012	.08768	.37145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**34.652**	**.00059**	**.0277**	**-.00031**
Stddev	.00001	.151	.00003	.0102	.00006
%RSD	4.6728	.43570	4.7545	36.95	18.251
#1	.00017	34.545	.00057	.0204	-.00027
#2	.00016	34.758	.00061	.0349	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	**.00564**	**.73099**	**2.1455**	**.00499**
Stddev	.00005	.00022	.00051	.0236	.00277
%RSD	1.5050	3.9636	.06964	1.0983	55.490
#1	.00336	.00548	.73063	2.1288	.00303
#2	.00329	.00580	.73135	2.1622	.00695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-26-C Acquired: 3/9/2022 1:31:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.5700**	**.07633**	**.00015**	F **1516.4**	**.00337**
Stddev	.0030	.00008	.00015	11.3	.00013
%RSD	.06571	.10788	98.976	.74828	3.8016
#1	4.5679	.07639	.00005	1508.4	.00346
#2	4.5721	.07627	.00026	1524.4	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.04**	**.00404**	**.14681**	**.00086**	**.00277**
Stddev	.00	.00035	.00059	.00072	.00038
%RSD	.0042	8.7377	.39943	83.892	13.821
#1	25.04	.00379	.14639	.00035	.00304
#2	25.04	.00429	.14722	.00136	.00250
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0784**	**-.00002**	**.14626**	**1.003**	**.01908**
Stddev	.0028	.00038	.00073	.004	.00240
%RSD	.13366	1557.3	.49882	.3614	12.585
#1	2.0765	.00025	.14575	1.000	.01738
#2	2.0804	-.00030	.14678	1.005	.02078
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-26-C Acquired: 3/9/2022 1:31:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00242**	**.00160**	**.04525**	**.9998**
Stddev	.00004	.00018	.00054	.0010
%RSD	1.4601	11.083	1.1859	.0968
#1	-.00245	.00173	.04487	1.000
#2	-.00240	.00148	.04563	.9991
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3399.1**	**2706.7**	**23878.**	**2580.3**
Stddev	1.9	1.2	43.	29.7
%RSD	.05662	.04416	.17823	1.1510
#1	3397.7	2707.5	23847.	2601.3
#2	3400.4	2705.9	23908.	2559.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.562%	86.462%	84.021%	94.806%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 1:35:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0661**	**48.402**	**1.0135**	**1.0572**	**1.0499**
Stddev	.0021	.323	.0005	.0015	.0035
%RSD	.19349	.66766	.04727	.14625	.33312
#1	1.0676	48.631	1.0138	1.0561	1.0524
#2	1.0647	48.174	1.0131	1.0583	1.0475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0176**	**47.178**	**1.0103**	**1.037**	**.96800**
Stddev	.0021	.121	.0005	.022	.00106
%RSD	.20381	.25691	.04866	2.168	.10902
#1	1.0161	47.092	1.0107	1.021	.96875
#2	1.0190	47.264	1.0100	1.053	.96726
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0500**	**.99152**	**52.208**	**52.163**	**1.0409**
Stddev	.0024	.00411	.209	.108	.0032
%RSD	.22787	.41422	.40101	.20741	.31233
#1	1.0483	.99442	52.060	52.240	1.0386
#2	1.0516	.98862	52.356	52.087	1.0432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 1:35:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.080**	**1.0290**	**1.0796**	**50.536**	**.98325**
Stddev	.186	.0010	.0001	.017	.00044
%RSD	.37946	.09303	.00425	.03461	.04452
#1	49.211	1.0297	1.0795	50.524	.98356
#2	48.948	1.0283	1.0796	50.548	.98294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.33**	**.95268**	**23.834**	**1.0064**	**1.0394**
Stddev	.05	.00086	.006	.0025	.0024
%RSD	.1327	.08983	.02346	.25070	.22781
#1	38.29	.95329	23.838	1.0082	1.0377
#2	38.36	.95208	23.830	1.0046	1.0411
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.721**	**.93975**	**1.0171**	**1.514**	**.97129**
Stddev	.012	.00313	.0027	.015	.00152
%RSD	.11079	.33355	.26098	.9812	.15678
#1	10.713	.94197	1.0190	1.524	.97236
#2	10.730	.93754	1.0152	1.503	.97021
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 1:35:48 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0336	1.0744	.98489	1.525
Stddev	.0019	.0075	.00149	.004
%RSD	.18589	.69571	.15113	.2290
#1	1.0349	1.0797	.98384	1.527
#2	1.0322	1.0691	.98594	1.522
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3882.6	2958.6	26516.	2651.7
Stddev	9.8	6.4	68.	9.1
%RSD	.25246	.21734	.25511	.34334
#1	3875.7	2954.1	26468.	2645.2
#2	3889.5	2963.2	26564.	2658.1

Sample Name: CCB-6880245 Acquired: 3/9/2022 1:39:21 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00081	-.02306	-.00038	-.00065	-.00013
Stddev	.00049	.02893	.00187	.00008	.00003
%RSD	60.224	125.49	489.86	11.576	19.438
#1	-.00116	-.00260	-.00171	-.00060	-.00015
#2	-.00047	-.04352	.00094	-.00071	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00215	-.00018	-.0085	-.00010
Stddev	.00005	.00174	.00006	.0354	.00007
%RSD	560.40	80.941	34.303	415.8	70.196
#1	.00004	-.00338	-.00014	-.0335	-.00015
#2	-.00003	-.00092	-.00022	.0165	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00192	.00023	.11344	.00108
Stddev	.00007	.00056	.00257	.01786	.00032
%RSD	127.12	29.087	1101.4	15.746	29.336
#1	.00001	.00152	.00205	.12607	.00086
#2	.00011	.00231	-.00158	.10081	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 1:39:21 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	**-.00019**	**.00138**	**.33066**	**-.00018**
Stddev	.00338	.00004	.00043	.01285	.00007
%RSD	78.839	19.295	31.496	3.8876	40.117
#1	-.00190	-.00022	.00107	.33975	-.00013
#2	-.00668	-.00017	.00169	.32157	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00018**	**-.01193**	**.00191**	**.00122**
Stddev	.00	.00009	.00024	.00006	.00299
%RSD	.0041	50.908	2.0482	3.1996	245.50
#1	25.01	-.00011	-.01175	.00187	-.00090
#2	25.01	-.00024	-.01210	.00195	.00334
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01168**	**.00041**	**-.00005**	**1.001**	**.00021**
Stddev	.00807	.00027	.00009	.000	.00053
%RSD	69.154	66.595	192.91	.0150	246.66
#1	.00597	.00022	.00002	1.001	.00059
#2	.01739	.00060	-.00011	1.000	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 1:39:21 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00061	.00002	-.00042	.9999
Stddev	.00044	.00008	.00012	.0001
%RSD	72.534	516.11	27.602	.0132
#1	.00092	.00007	-.00050	.9998
#2	.00030	-.00004	-.00034	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4470.2	3083.3	28352.	2712.7
Stddev	2.8	1.2	74.	5.7
%RSD	.06226	.03860	.26065	.20972
#1	4472.1	3084.2	28404.	2716.7
#2	4468.2	3082.5	28299.	2708.7

Sample Name: CCVL-6882776 Acquired: 3/9/2022 1:43:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**.17141**	**.01426**	**.02044**	**.00185**
Stddev	.00061	.00892	.00014	.00013	.00003
%RSD	9.7490	5.2018	1.0070	.61938	1.6719
#1	.00582	.17772	.01437	.02035	.00183
#2	.00668	.16511	.01416	.02052	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**.49270**	**.00186**	**.0347**	**.00345**
Stddev	.00017	.00163	.00009	.0175	.00002
%RSD	8.8238	.33032	4.8122	50.46	.51818
#1	.00206	.49385	.00192	.0471	.00344
#2	.00182	.49155	.00180	.0223	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**.01119**	**.04705**	**.49340**	**.02916**
Stddev	.00031	.00010	.00165	.02508	.00012
%RSD	7.5350	.88068	3.5143	5.0826	.40406
#1	.00389	.01112	.04822	.47567	.02907
#2	.00433	.01126	.04588	.51113	.02924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 1:43:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19052**	**.00293**	**.01094**	**1.2534**	**.00962**
Stddev	.00222	.00001	.00003	.0057	.00048
%RSD	1.1642	.42877	.28628	.45711	4.9571
#1	.19209	.00292	.01096	1.2494	.00996
#2	.18895	.00294	.01092	1.2575	.00928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00919**	**.17032**	**.02038**	**.02286**
Stddev	.00	.00005	.00110	.00142	.00080
%RSD	.0037	.59040	.64861	6.9526	3.4917
#1	25.00	.00923	.16954	.02138	.02342
#2	25.00	.00915	.17110	.01938	.02229
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.50485**	**.00897**	**.00504**	F **1.003**	**.00464**
Stddev	.01995	.00050	.00001	.005	.00002
%RSD	3.9515	5.5364	.17019	.4656	.44688
#1	.51895	.00862	.00504	.9997	.00462
#2	.49074	.00932	.00505	1.006	.00465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 1:43:09 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01988	.00490	.00970	F 1.000
Stddev	.00021	.00028	.00012	.001
%RSD	1.0495	5.6595	1.2288	.0719
#1	.01973	.00470	.00978	.9996
#2	.02003	.00510	.00961	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4465.7	3079.7	28059.	2619.5
Stddev	7.8	3.2	81.	4.1
%RSD	.17531	.10282	.28820	.15650
#1	4460.2	3077.5	28002.	2616.6
#2	4471.3	3082.0	28116.	2622.4

Sample Name: 480-195518-A-27-C Acquired: 3/9/2022 1:46:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.78035	.00858	.06460	.43823
Stddev	.00014	.03236	.00086	.00006	.00127
%RSD	54.061	4.1468	10.026	.08941	.29012
#1	-.00037	.80324	.00919	.06464	.43733
#2	-.00016	.75747	.00797	.06456	.43913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	21.595	.00078	.0050	.00008
Stddev	.00006	.028	.00015	.0338	.00005
%RSD	34.513	.13174	18.699	681.0	66.723
#1	.00013	21.575	.00068	-.0189	.00011
#2	.00022	21.615	.00088	.0289	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00227	.00432	.35665	2.0566	.00336
Stddev	.00056	.00027	.00041	.0055	.00062
%RSD	24.528	6.2312	.11368	.26569	18.483
#1	.00266	.00413	.35636	2.0527	.00380
#2	.00188	.00451	.35693	2.0604	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-27-C Acquired: 3/9/2022 1:46:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.5235**	**.10141**	**.00020**	F **1525.7**	**.01063**
Stddev	.0042	.00009	.00005	1.0	.00007
%RSD	.11848	.09273	25.565	.06772	.63789
#1	3.5265	.10134	.00024	1526.4	.01068
#2	3.5206	.10148	.00016	1524.9	.01058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.03**	**.00803**	**.54875**	**.00011**	**.00000**
Stddev	.00	.00134	.00197	.00033	.00062
%RSD	.0006	16.689	.35964	285.33	51038.
#1	25.03	.00708	.55014	-.00012	.00044
#2	25.03	.00897	.54735	.00034	-.00044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.90928**	**-.00014**	**.11238**	**1.002**	**.00811**
Stddev	.01358	.00013	.00011	.007	.00044
%RSD	1.4938	93.621	.09769	.6788	5.4079
#1	.89967	-.00005	.11230	.9973	.00842
#2	.91888	-.00024	.11245	1.007	.00780
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-27-C Acquired: 3/9/2022 1:46:57 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00291	.00054	.02138	.9994
Stddev	.00174	.00012	.00033	.0014
%RSD	59.762	21.356	1.5551	.1394
#1	-.00414	.00046	.02161	1.000
#2	-.00168	.00062	.02114	.9984
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3381.4	2693.6	23751.	2548.7
Stddev	5.2	5.7	5.	2.9
%RSD	.15452	.21002	.02214	.11552
#1	3385.1	2697.6	23747.	2550.8
#2	3377.7	2689.6	23755.	2546.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.164%	86.044%	83.575%	93.644%
Range				

Sample Name: 480-195518-A-28-C Acquired: 3/9/2022 1:50:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**.22095**	**.00181**	**.04576**	**.38747**
Stddev	.00022	.01049	.00048	.00052	.00010
%RSD	19.466	4.7497	26.723	1.1333	.02536
#1	-.00129	.22837	.00147	.04539	.38740
#2	-.00098	.21353	.00215	.04613	.38754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**34.692**	**.00059**	**.0006**	**-.00043**
Stddev	.00004	.227	.00017	.0000	.00011
%RSD	118.11	.65377	29.218	5.225	25.080
#1	-.00006	34.853	.00047	.0006	-.00035
#2	-.00001	34.532	.00071	.0006	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.06257**	**.13912**	**5.0190**	**.00378**
Stddev	.00053	.00007	.00415	.0178	.00055
%RSD	59.942	.11148	2.9862	.35398	14.576
#1	.00125	.06252	.14206	5.0065	.00417
#2	.00051	.06262	.13618	5.0316	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-28-C Acquired: 3/9/2022 1:50:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.1204**	**.03055**	**.00003**	F **1534.2**	**.01451**
Stddev	.0090	.00014	.00006	2.1	.00019
%RSD	.28814	.45094	217.89	.13696	1.3032
#1	3.1267	.03045	.00007	1535.7	.01464
#2	3.1140	.03065	-.00001	1532.7	.01437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.23**	**.00477**	**.06053**	**.00070**	**.00165**
Stddev	.00	.00063	.00017	.00108	.00060
%RSD	.0077	13.114	.27454	155.24	36.557
#1	25.23	.00521	.06041	-.00007	.00207
#2	25.23	.00433	.06064	.00146	.00122
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2100**	**.00091**	**.12754**	**1.004**	**.00201**
Stddev	.0025	.00023	.00015	.001	.00049
%RSD	.20534	25.150	.11547	.0974	24.251
#1	1.2117	.00075	.12764	1.005	.00166
#2	1.2082	.00107	.12743	1.004	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-28-C Acquired: 3/9/2022 1:50:48 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00358	.00068	.33969	.9995
Stddev	.00043	.00031	.00180	.0003
%RSD	12.093	45.464	.52978	.0258
#1	-.00389	.00046	.33842	.9993
#2	-.00328	.00091	.34097	.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.2	2679.4	23568.	2530.4
Stddev	7.7	4.3	70.	17.3
%RSD	.22956	.16011	.29728	.68446
#1	3365.8	2676.4	23617.	2518.1
#2	3376.7	2682.5	23518.	2542.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.935%	85.591%	82.930%	92.971%
Range				

Sample Name: 480-195518-A-30-C Acquired: 3/9/2022 1:54:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00107	.21860	.02071	.06326	.39837
Stddev	.00024	.03047	.00127	.00086	.00022
%RSD	22.427	13.938	6.1362	1.3647	.05598
#1	-.00090	.19706	.01981	.06387	.39821
#2	-.00124	.24015	.02160	.06265	.39853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	33.283	.00258	.0034	-.00008
Stddev	.00005	.015	.00012	.0215	.00000
%RSD	58.372	.04633	4.7141	639.1	.91382
#1	.00012	33.272	.00249	-.0118	-.00008
#2	.00005	33.294	.00266	.0186	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00120	.08483	.13966	7.1332	.00425
Stddev	.00010	.00046	.00087	.0228	.00068
%RSD	7.9694	.54352	.62126	.31936	16.005
#1	.00127	.08450	.14027	7.1171	.00474
#2	.00113	.08515	.13904	7.1493	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-30-C Acquired: 3/9/2022 1:54:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**4.1238**	**.12949**	**.00036**	F **1509.7**	**.03232**
Stddev	.0092	.00002	.00009	3.1	.00006
%RSD	.22427	.01253	23.970	.20282	.19140
#1	4.1304	.12950	.00030	1507.5	.03227
#2	4.1173	.12948	.00042	1511.8	.03236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.20**	**.03109**	**.13636**	**-.00059**	**.00385**
Stddev	.00	.00118	.00264	.00043	.00034
%RSD	.0021	3.7873	1.9343	72.320	8.8773
#1	25.20	.03193	.13450	-.00029	.00361
#2	25.20	.03026	.13823	-.00089	.00409
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0565**	**.00172**	**.11246**	**1.004**	**.00173**
Stddev	.0157	.00023	.00000	.001	.00012
%RSD	1.4836	13.123	.00277	.1322	6.9599
#1	1.0454	.00188	.11246	1.004	.00165
#2	1.0676	.00156	.11246	1.005	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-30-C Acquired: 3/9/2022 1:54:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00182	-.00010	.97749	.9989
Stddev	.00015	.00027	.00148	.0013
%RSD	8.1554	266.49	.15133	.1273
#1	-.00171	.00009	.97854	.9998
#2	-.00192	-.00030	.97645	.9980
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3411.2	2709.7	23986.	2619.7
Stddev	.4	.5	59.	12.0
%RSD	.01243	.01935	.24702	.45671
#1	3410.9	2710.0	23944.	2628.2
#2	3411.5	2709.3	24028.	2611.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.836%	86.557%	84.403%	96.253%
Range				

Sample Name: LB 480-616935/1-D Acquired: 3/9/2022 1:58:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.02239**	**-.00067**	**.03426**	**.00075**
Stddev	.00011	.01802	.00050	.00030	.00003
%RSD	14.244	80.489	75.254	.86551	4.2988
#1	-.00071	.00965	-.00031	.03447	.00073
#2	-.00087	.03514	-.00102	.03405	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.11493**	**-.00018**	**.0291**	**-.00054**
Stddev	.00000	.00093	.00003	.0378	.00006
%RSD	1.2522	.80890	16.811	129.7	11.494
#1	-.00011	.11428	-.00016	.0024	-.00059
#2	-.00011	.11559	-.00020	.0559	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00473**	**.00459**	**.04338**	F **5.6210**	**.00110**
Stddev	.00002	.00081	.00136	.0458	.00024
%RSD	.49532	17.678	3.1405	.81552	21.695
#1	.00474	.00516	.04435	5.5886	.00093
#2	.00471	.00402	.04242	5.6535	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				2.0000	
Low Limit				-2.0000	

Sample Name: LB 480-616935/1-D Acquired: 3/9/2022 1:58:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02287**	**.00684**	**.00040**	F **1622.6**	**.00109**
Stddev	.00209	.00008	.00004	3.5	.00032
%RSD	9.1414	1.1705	9.2237	.21728	29.411
#1	.02139	.00679	.00043	1620.1	.00131
#2	.02435	.00690	.00038	1625.1	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				1.0000	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00007**	**.02619**	**.00121**	**.00102**
Stddev	.00	.00073	.00085	.00037	.00265
%RSD	.0002	992.77	3.2641	30.658	258.28
#1	25.01	.00059	.02680	.00147	-.00085
#2	25.01	-.00044	.02559	.00095	.00289
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04696**	**.00254**	**.00034**	**1.010**	**-.00030**
Stddev	.02162	.00031	.00002	.004	.00043
%RSD	46.036	12.012	6.0691	.3865	146.25
#1	.03167	.00276	.00033	1.008	-.00060
#2	.06225	.00233	.00036	1.013	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-616935/1-D Acquired: 3/9/2022 1:58:29 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00112	.00016	.00663	1.001
Stddev	.00057	.00067	.00006	.002
%RSD	51.424	408.68	.88287	.1701
#1	-.00071	-.00031	.00668	.9995
#2	-.00152	.00064	.00659	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3406.2	2683.7	23552.	2489.4
Stddev	11.9	7.1	65.	6.0
%RSD	.34983	.26514	.27411	.24237
#1	3414.7	2688.8	23507.	2493.7
#2	3397.8	2678.7	23598.	2485.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.723%	85.728%	82.877%	91.467%
Range				

Sample Name: MB 480-617104/2-A Acquired: 3/9/2022 2:02:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01607**	**-.00207**	**-.00113**	**-.00017**
Stddev	.00031	.03397	.00051	.00011	.00003
%RSD	128.96	211.36	24.719	9.8429	17.649
#1	-.00002	.04009	-.00171	-.00121	-.00015
#2	-.00046	-.00795	-.00244	-.00105	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00340**	**-.00008**	**-.0062**	**-.00020**
Stddev	.00002	.00177	.00001	.0097	.00003
%RSD	12.685	51.929	9.1985	157.8	14.308
#1	-.00012	.00465	-.00008	-.0130	-.00018
#2	-.00014	.00215	-.00007	.0007	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00151**	**.00459**	**.09772**	**.00055**
Stddev	.00035	.00015	.00056	.02994	.00020
%RSD	529.39	10.032	12.234	30.635	36.183
#1	-.00032	.00162	.00499	.07655	.00069
#2	.00018	.00140	.00419	.11888	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617104/2-A Acquired: 3/9/2022 2:02:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00714**	**.00034**	**-.00002**	**.55265**	**-.00026**
Stddev	.00083	.00002	.00013	.01433	.00006
%RSD	11.593	4.7597	800.26	2.5922	23.903
#1	-.00656	.00036	.00007	.56278	-.00030
#2	-.00773	.00033	-.00011	.54252	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**.00007**	**-.00987**	**-.00009**	**.00169**
Stddev	.00	.00016	.00017	.00080	.00054
%RSD	.0020	229.95	1.7584	910.42	31.827
#1	25.01	.00018	-.00974	.00048	.00206
#2	25.01	-.00004	-.00999	-.00065	.00131
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00753**	**-.00028**	**.00002**	**1.009**	**-.00023**
Stddev	.00078	.00016	.00006	.007	.00003
%RSD	10.321	56.249	300.28	.7062	13.897
#1	.00698	-.00039	.00006	1.004	-.00025
#2	.00808	-.00017	-.00002	1.014	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617104/2-A Acquired: 3/9/2022 2:02:22 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00025	-.00006	.00077	.9999
Stddev	.00122	.00032	.00043	.0003
%RSD	495.00	506.03	55.526	.0331
#1	.00062	.00016	.00047	1.000
#2	-.00111	-.00029	.00108	.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4442.6	3056.7	28194.	2614.1
Stddev	3.8	.6	6.	7.8
%RSD	.08463	.01943	.02049	.29656
#1	4439.9	3056.3	28190.	2619.6
#2	4445.2	3057.1	28198.	2608.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.07%	97.641%	99.210%	96.048%
Range				

Sample Name: LCS 480-617104/3-A Acquired: 3/9/2022 2:06:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1376**	**-.01783**	**1.0685**	**.03502**	**1.0120**
Stddev	.0018	.00031	.0073	.00029	.0005
%RSD	.15601	1.7650	.68445	.84042	.04845
#1	1.1388	-.01761	1.0736	.03522	1.0117
#2	1.1363	-.01805	1.0633	.03481	1.0124
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**.10352**	**1.0278**	**-.0163**	**.95945**
Stddev	.0021	.00543	.0038	.0183	.00291
%RSD	.20410	5.2480	.36563	112.2	.30379
#1	1.0113	.09968	1.0305	-.0034	.96151
#2	1.0083	.10736	1.0251	-.0293	.95738
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0166**	**.97153**	**.03407**	**1.1112**	**.00103**
Stddev	.0008	.00085	.00127	.0138	.00251
%RSD	.07343	.08728	3.7338	1.2425	244.10
#1	1.0171	.97093	.03317	1.1014	-.00075
#2	1.0161	.97213	.03497	1.1210	.00281
Check ?	Chk Pass	Chk Pass	None	None	None
High Limit					
Low Limit					

Sample Name: LCS 480-617104/3-A Acquired: 3/9/2022 2:06:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01706	1.0143	1.0494	1549.3	.97694
Stddev	.00149	.0019	.0027	3.8	.00328
%RSD	8.7445	.18833	.25411	.24315	.33611
#1	.01812	1.0129	1.0513	1552.0	.97926
#2	.01601	1.0156	1.0475	1546.7	.97462
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 23.85	.94275	.02203	1.0540	1.0770
Stddev	.01	.00376	.00005	.0017	.0004
%RSD	.0440	.39858	.24776	.15905	.03912
#1	23.85	.94541	.02207	1.0552	1.0767
#2	23.86	.94009	.02199	1.0528	1.0773
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass
High Limit	1.200				
Low Limit	.8000				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03400	.00014	.09899	1.007	.00002
Stddev	.01670	.00001	.00022	.002	.00010
%RSD	49.126	7.0240	.21830	.2203	561.03
#1	.02219	.00014	.09914	1.006	-.00005
#2	.04581	.00013	.09884	1.009	.00009
Check ?	None	None	None	Chk Pass	None
High Limit					
Low Limit					

Sample Name: LCS 480-617104/3-A Acquired: 3/9/2022 2:06:10 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.96291	1.0502	1.0562	.9994
Stddev	.00109	.0035	.0024	.0003
%RSD	.11275	.33736	.23039	.0262
#1	.96368	1.0477	1.0545	.9996
#2	.96215	1.0527	1.0580	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3429.9	2711.6	23897.	2560.8
Stddev	10.9	14.0	65.	3.2
%RSD	.31720	.51801	.27353	.12442
#1	3422.2	2701.6	23943.	2563.0
#2	3437.6	2721.5	23851.	2558.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	77.256%	86.617%	84.088%	94.089%
Range				

Sample Name: 480-195286-B-1-E Acquired: 3/9/2022 2:09:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00091	.02600	.00177	.12611	.55012
Stddev	.00058	.04404	.00217	.00021	.00076
%RSD	63.122	169.39	122.23	.16869	.13826
#1	-.00051	.05715	.00024	.12596	.54958
#2	-.00132	-.00514	.00330	.12626	.55066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	772.75	.00068	.0118	.00117
Stddev	.00008	2.09	.00008	.0079	.00010
%RSD	41.292	.27045	11.333	66.86	8.1267
#1	-.00024	771.27	.00063	.0174	.00124
#2	-.00013	774.22	.00074	.0062	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00444	.03958	5.7178	.03484
Stddev	.00010	.00069	.00285	.0073	.00074
%RSD	22.714	15.592	7.1957	.12678	2.1319
#1	.00038	.00493	.04159	5.7126	.03536
#2	.00053	.00395	.03756	5.7229	.03431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195286-B-1-E Acquired: 3/9/2022 2:09:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.133**	**1.3737**	**.00292**	F **1667.0**	**.00961**
Stddev	.071	.0038	.00032	8.0	.00017
%RSD	.44150	.27541	10.933	.47698	1.7395
#1	16.083	1.3710	.00269	1672.6	.00949
#2	16.184	1.3763	.00315	1661.4	.00973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.06**	**.00415**	**1.0066**	**.00007**	**.00530**
Stddev	.00	.00009	.0045	.00166	.00506
%RSD	.0089	2.1051	.44576	2418.2	95.531
#1	25.06	.00422	1.0098	.00124	.00172
#2	25.06	.00409	1.0034	-.00111	.00888
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.2933**	**.00020**	**2.6303**	**1.003**	**.00499**
Stddev	.0023	.00010	.0130	.004	.00023
%RSD	.10011	49.971	.49421	.4345	4.6895
#1	2.2949	.00026	2.6395	1.006	.00483
#2	2.2916	.00013	2.6211	1.0000	.00516
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195286-B-1-E Acquired: 3/9/2022 2:09:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00294	.00097	.07887	.9989
Stddev	.00043	.00028	.00033	.0002
%RSD	14.515	28.972	.41745	.0169
#1	-.00264	.00077	.07910	.9990
#2	-.00325	.00117	.07863	.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3108.8	2505.9	22681.	2504.5
Stddev	6.3	1.9	86.	2.4
%RSD	.20405	.07536	.37839	.09769
#1	3113.3	2507.2	22741.	2502.8
#2	3104.3	2504.6	22620.	2506.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	70.023%	80.048%	79.809%	92.022%
Range				

Sample Name: 480-195466-A-9-E Acquired: 3/9/2022 2:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.11515	.00506	.16630	.74562
Stddev	.00062	.00688	.00090	.00062	.00248
%RSD	300.30	5.9785	17.810	.37189	.33324
#1	-.00065	.11028	.00442	.16674	.74386
#2	.00023	.12001	.00570	.16586	.74738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	784.63	.00179	-.1121	.00849
Stddev	.00006	11.24	.00013	.0051	.00009
%RSD	26.135	1.4327	7.2496	4.568	1.0311
#1	-.00026	776.68	.00170	-.1085	.00843
#2	-.00018	792.58	.00189	-.1158	.00855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00263	.10235	5.5972	.04114
Stddev	.00083	.00153	.00322	.0103	.00165
%RSD	167.97	57.965	3.1474	.18372	3.9995
#1	.00108	.00371	.10007	5.5900	.03998
#2	-.00009	.00155	.10463	5.6045	.04230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195466-A-9-E Acquired: 3/9/2022 2:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**16.175**	**4.6294**	**.00233**	F **1678.8**	**.02104**
Stddev	.009	.0127	.00014	8.5	.00015
%RSD	.05874	.27440	5.8264	.50562	.69357
#1	16.169	4.6204	.00242	1672.8	.02094
#2	16.182	4.6384	.00223	1684.8	.02114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.02**	**.00746**	**3.7736**	**.00342**	**.00363**
Stddev	.00	.00060	.0047	.00004	.00070
%RSD	.0023	8.0197	.12553	1.1645	19.195
#1	25.02	.00704	3.7702	.00340	.00412
#2	25.02	.00789	3.7769	.00345	.00314
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.4499**	**.00025**	**1.7107**	**.9991**	**.00718**
Stddev	.0143	.00063	.0055	.0037	.00016
%RSD	.22171	249.73	.32018	.3675	2.2917
#1	6.4398	-.00019	1.7068	.9965	.00730
#2	6.4601	.00070	1.7146	1.002	.00707
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195466-A-9-E Acquired: 3/9/2022 2:13:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00193	.00071	.02137	.9994
Stddev	.00066	.00022	.00071	.0007
%RSD	34.268	31.484	3.3084	.0667
#1	-.00240	.00055	.02187	.9989
#2	-.00146	.00087	.02087	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3116.7	2523.9	22911.	2499.8
Stddev	.9	.1	110.	10.1
%RSD	.02829	.00271	.48028	.40510
#1	3117.3	2523.9	22989.	2507.0
#2	3116.1	2523.8	22834.	2492.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	70.202%	80.623%	80.621%	91.848%
Range				

Sample Name: 480-195466-A-10-E Acquired: 3/9/2022 2:17:52 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00041	.01946	.00459	.15135	.63458
Stddev	.00045	.03161	.00071	.00026	.00053
%RSD	108.32	162.44	15.563	.16968	.08370
#1	-.00010	-.00289	.00510	.15154	.63495
#2	-.00073	.04181	.00409	.15117	.63420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	827.26	.00086	-.0107	-.00030
Stddev	.00006	.05	.00006	.0080	.00003
%RSD	39.557	.00626	7.1573	74.89	9.0209
#1	-.00011	827.30	.00081	-.0050	-.00028
#2	-.00019	827.22	.00090	-.0163	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.00317	.04169	5.3500	.04535
Stddev	.00043	.00093	.00019	.0222	.00084
%RSD	31.114	29.195	.45166	.41398	1.8432
#1	.00107	.00383	.04155	5.3657	.04476
#2	.00167	.00252	.04182	5.3344	.04594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195466-A-10-E Acquired: 3/9/2022 2:17:52 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.625**	**1.2960**	**.00246**	F **1692.1**	**.00435**
Stddev	.041	.0033	.00015	4.4	.00085
%RSD	.35238	.25716	6.0368	.26204	19.497
#1	11.654	1.2984	.00256	1689.0	.00375
#2	11.596	1.2937	.00235	1695.3	.00495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.09**	**.01118**	**8.7911**	**-.00016**	**.00112**
Stddev	.00	.00048	.0045	.00023	.00066
%RSD	.0014	4.2992	.05059	143.24	58.881
#1	25.09	.01152	8.7942	-.00032	.00159
#2	25.09	.01084	8.7879	.00000	.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**11.068**	**.00003**	**2.3707**	**1.008**	**.00465**
Stddev	.014	.00009	.0000	.004	.00006
%RSD	.12276	254.14	.00172	.3937	1.3581
#1	11.058	-.00003	2.3707	1.011	.00461
#2	11.077	.00009	2.3708	1.005	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195466-A-10-E Acquired: 3/9/2022 2:17:52 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	**-.00286**	**.00202**	**.03329**	**.9980**
Stddev	.00161	.00016	.00103	.0016
%RSD	56.401	8.0538	3.1072	.1574
#1	-.00172	.00213	.03403	.9991
#2	-.00400	.00190	.03256	.9969
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3100.5**	**2513.5**	**22664.**	**2452.3**
Stddev	2.0	.2	33.	2.8
%RSD	.06374	.00713	.14572	.11238
#1	3101.9	2513.4	22687.	2450.4
#2	3099.1	2513.6	22640.	2454.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	69.836%	80.291%	79.749%	90.103%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 2:21:53 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0580**	**48.356**	**1.0107**	**1.0540**	**1.0490**
Stddev	.0055	.175	.0006	.0018	.0027
%RSD	.52301	.36288	.06356	.17356	.25526
#1	1.0541	48.232	1.0112	1.0527	1.0471
#2	1.0619	48.480	1.0103	1.0553	1.0509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0213**	**47.743**	**1.0106**	**1.060**	**.96705**
Stddev	.0046	.249	.0003	.009	.00095
%RSD	.44626	.52216	.02500	.8732	.09826
#1	1.0181	47.566	1.0108	1.053	.96638
#2	1.0246	47.919	1.0104	1.066	.96772
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0511**	**.99250**	**52.368**	**52.514**	**1.0486**
Stddev	.0006	.00048	.056	.075	.0012
%RSD	.05814	.04848	.10669	.14311	.11607
#1	1.0506	.99216	52.329	52.461	1.0477
#2	1.0515	.99284	52.408	52.567	1.0495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 2:21:53 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**49.310**	**1.0301**	**1.0786**	**50.919**	**.98261**
Stddev	.256	.0028	.0011	.103	.00035
%RSD	.51926	.27024	.10329	.20166	.03542
#1	49.129	1.0282	1.0778	50.846	.98236
#2	49.491	1.0321	1.0794	50.992	.98285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.23**	**.95075**	**23.784**	**1.0073**	**1.0375**
Stddev	.01	.00044	.039	.0000	.0070
%RSD	.0195	.04679	.16253	.00135	.67771
#1	38.23	.95107	23.812	1.0073	1.0424
#2	38.24	.95044	23.757	1.0073	1.0325
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.752**	**.94022**	**1.0182**	**1.524**	**.97890**
Stddev	.037	.00234	.0031	.007	.00095
%RSD	.34199	.24856	.30602	.4428	.09679
#1	10.726	.94188	1.0160	1.529	.97823
#2	10.778	.93857	1.0204	1.519	.97957
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 2:21:53 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0288	1.0668	.99113	1.520
Stddev	.0002	.0042	.00532	.002
%RSD	.01686	.39662	.53633	.1118
#1	1.0287	1.0638	.98737	1.519
#2	1.0289	1.0698	.99489	1.521
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3871.2	2943.3	26362.	2583.2
Stddev	10.6	7.2	93.	1.6
%RSD	.27491	.24535	.35336	.06046
#1	3878.8	2948.4	26427.	2584.3
#2	3863.7	2938.2	26296.	2582.1

Sample Name: CCB-6880245 Acquired: 3/9/2022 2:25:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00519**	**-.00050**	**-.00061**	**-.00012**
Stddev	.00017	.01964	.00044	.00039	.00002
%RSD	32.121	378.43	86.880	63.521	15.015
#1	-.00067	-.00870	-.00081	-.00034	-.00011
#2	-.00042	.01908	-.00019	-.00088	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.01452**	**-.00005**	**-.0234**	**-.00010**
Stddev	.00005	.00036	.00004	.0416	.00006
%RSD	375.93	2.5059	74.485	177.5	60.190
#1	.00002	.01427	-.00008	-.0528	-.00006
#2	-.00005	.01478	-.00002	.0060	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00262**	**-.00323**	**.11123**	**.00142**
Stddev	.00005	.00045	.00125	.02799	.00049
%RSD	23.286	17.065	38.762	25.161	34.549
#1	-.00019	.00294	-.00411	.13102	.00176
#2	-.00027	.00231	-.00234	.09144	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 2:25:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00292**	**-.00009**	**.00154**	**.39357**	**.00019**
Stddev	.00240	.00002	.00033	.00685	.00012
%RSD	82.186	24.094	21.428	1.7397	60.950
#1	-.00462	-.00007	.00130	.38873	.00011
#2	-.00122	-.00010	.00177	.39841	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00056**	**-.00865**	**.00102**	**.00396**
Stddev	.00	.00128	.00045	.00267	.00049
%RSD	.0042	229.39	5.2338	262.39	12.457
#1	25.01	-.00147	-.00833	.00290	.00361
#2	25.01	.00035	-.00897	-.00087	.00431
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.00008**	**-.00000**	**1.003**	**.00003**
Stddev	.00905	.00029	.00006	.008	.00027
%RSD	76.117	375.39	2231.3	.7534	1020.1
#1	.01829	-.00013	.00004	1.008	.00021
#2	.00549	.00028	-.00005	.9976	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 2:25:25 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00001	-.00003	-.00046	1.001
Stddev	.00009	.00003	.00043	.000
%RSD	1740.3	97.698	93.056	.0082
#1	.00007	-.00004	-.00016	1.001
#2	-.00006	-.00001	-.00076	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4472.7	3082.3	28263.	2641.4
Stddev	5.4	2.6	40.	6.7
%RSD	.12157	.08579	.14275	.25486
#1	4468.9	3080.4	28234.	2646.2
#2	4476.6	3084.1	28291.	2636.6

Sample Name: CCVL-6882776 Acquired: 3/9/2022 2:29:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**.19896**	**.01393**	**.02054**	**.00192**
Stddev	.00003	.01380	.00169	.00006	.00002
%RSD	.44352	6.9376	12.135	.27451	.90641
#1	.00607	.20872	.01273	.02050	.00193
#2	.00603	.18920	.01512	.02058	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.48992**	**.00182**	**.0210**	**.00365**
Stddev	.00005	.00178	.00000	.0045	.00002
%RSD	2.6139	.36413	.07026	21.25	.65360
#1	.00199	.49118	.00182	.0179	.00367
#2	.00207	.48865	.00182	.0242	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00409**	**.01208**	**.04622**	**.55862**	**.02993**
Stddev	.00020	.00019	.00212	.04357	.00083
%RSD	4.9929	1.6059	4.5880	7.7997	2.7697
#1	.00395	.01221	.04772	.52781	.03052
#2	.00424	.01194	.04472	.58942	.02935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 2:29:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18760**	**.00303**	**.01103**	W **1.3035**	**.00981**
Stddev	.00003	.00000	.00040	.0007	.00035
%RSD	.01857	.14032	3.6631	.05271	3.5819
#1	.18763	.00303	.01074	1.3030	.01006
#2	.18758	.00303	.01131	1.3040	.00956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value				1.0000	
Range				30.000%	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.00**	**.00979**	**.17057**	**.01905**	**.02303**
Stddev	.00	.00041	.00014	.00012	.00069
%RSD	.0036	4.2376	.08476	.63971	2.9769
#1	25.00	.01008	.17067	.01896	.02351
#2	25.00	.00950	.17047	.01913	.02254
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.52097**	**.00896**	**.00498**	F **1.005**	**.00464**
Stddev	.01056	.00046	.00007	.003	.00010
%RSD	2.0270	5.1009	1.4624	.3296	2.2484
#1	.52844	.00864	.00493	1.003	.00472
#2	.51351	.00928	.00503	1.007	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 2:29:15 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01989	.00491	.00998	F 1.001
Stddev	.00056	.00022	.00008	.001
%RSD	2.8318	4.4900	.84222	.0681
#1	.01949	.00475	.01004	1.001
#2	.02029	.00506	.00992	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4431.8	3063.1	28011.	2616.6
Stddev	4.7	5.5	97.	7.7
%RSD	.10596	.17813	.34613	.29278
#1	4428.5	3059.2	27942.	2611.2
#2	4435.1	3067.0	28080.	2622.1

Sample Name: 480-195483-A-1-E Acquired: 3/9/2022 2:33:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.06735**	F **7.4014**	**.07781**	**.45864**
Stddev	.00130	.03969	.0276	.00009	.00051
%RSD	180.12	58.922	.37249	.11442	.11170
#1	.00020	.03929	7.4209	.07787	.45828
#2	-.00165	.09541	7.3819	.07775	.45900
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.01500		

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**410.79**	F **-.00689**	**-.0324**	**.00212**
Stddev	.00008	3.31	.00021	.0128	.00001
%RSD	35.430	.80496	3.0057	39.54	.67377
#1	-.00027	408.45	-.00674	-.0234	.00211
#2	-.00016	413.13	-.00704	-.0415	.00213
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.00200		

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00743**	**.03673**	**32.347**	**.01952**
Stddev	.00051	.00042	.00240	.048	.00086
%RSD	71.111	5.5987	6.5382	.14944	4.4226
#1	.00107	.00772	.03843	32.313	.01891
#2	.00035	.00713	.03504	32.382	.02013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-E Acquired: 3/9/2022 2:33:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**62.957**	**2.9091**	**.00069**	F **1652.8**	**.01212**
Stddev	.046	.0014	.00024	3.1	.00024
%RSD	.07350	.04710	34.782	.18729	1.9395
#1	62.924	2.9081	.00052	1650.6	.01229
#2	62.990	2.9100	.00086	1655.0	.01195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.24**	**.11575**	**.77071**	**.03327**	**-.00208**
Stddev	.00	.00093	.00102	.00016	.00393
%RSD	.0035	.80602	.13202	.47644	188.78
#1	25.24	.11641	.77143	.03316	-.00486
#2	25.23	.11510	.76999	.03338	.00070
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1871**	**.00079**	**.66130**	**.9996**	**.00334**
Stddev	.0116	.00057	.00022	.0039	.00008
%RSD	.53114	72.331	.03276	.3905	2.3211
#1	2.1789	.00038	.66146	.9969	.00339
#2	2.1953	.00119	.66115	1.002	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-E Acquired: 3/9/2022 2:33:03 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00297	.00063	.16713	.9991
Stddev	.00013	.00002	.00041	.0001
%RSD	4.3537	2.8833	.24794	.0147
#1	-.00306	.00065	.16684	.9990
#2	-.00288	.00062	.16742	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3166.4	2544.4	22960.	2461.8
Stddev	6.7	.6	65.	18.8
%RSD	.21017	.02206	.28391	.76515
#1	3171.1	2544.8	23006.	2475.1
#2	3161.7	2544.0	22913.	2448.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	71.321%	81.277%	80.791%	90.453%
Range				

Sample Name: 480-195483-A-1-ESD@5 Acquired: 3/9/2022 2:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**-.01534**	**1.3888**	**.01444**	**.09313**
Stddev	.00106	.00141	.0026	.00000	.00016
%RSD	119.96	9.2140	.18935	.02667	.17407
#1	-.00164	-.01634	1.3906	.01444	.09301
#2	-.00013	-.01434	1.3869	.01444	.09324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**82.117**	**-.00179**	**.0114**	**.00027**
Stddev	.00009	.148	.00012	.0298	.00019
%RSD	106.58	.18034	6.7093	261.0	70.885
#1	-.00015	82.012	-.00170	-.0096	.00013
#2	-.00002	82.222	-.00187	.0324	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00319**	**.00550**	**6.0957**	**.00201**
Stddev	.00050	.00066	.00337	.0279	.00210
%RSD	105.50	20.827	61.348	.45779	104.60
#1	.00012	.00272	.00788	6.1154	.00349
#2	.00082	.00366	.00311	6.0760	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-ESD@5 Acquired: 3/9/2022 2:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**12.659**	**.58281**	**.00006**	**312.59**	**.00270**
Stddev	.048	.00104	.00012	.22	.00004
%RSD	.38232	.17929	187.12	.06957	1.5332
#1	12.625	.58207	.00014	312.43	.00267
#2	12.693	.58354	-.00002	312.74	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.05**	**.02230**	**.12645**	**.00643**	**.00159**
Stddev	.00	.00046	.00331	.00223	.00047
%RSD	.0053	2.0840	2.6153	34.703	29.767
#1	25.06	.02263	.12879	.00801	.00192
#2	25.05	.02197	.12411	.00485	.00125
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.42232**	**-.00016**	**.13194**	**1.000**	**.00031**
Stddev	.01523	.00014	.00001	.006	.00048
%RSD	3.6071	84.036	.00570	.6138	156.54
#1	.43309	-.00007	.13195	.9961	-.00003
#2	.41155	-.00026	.13194	1.005	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-ESD@5 Acquired: 3/9/2022 2:36:58 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00140	.00019	.03338	1.000
Stddev	.00138	.00059	.00014	.000
%RSD	98.447	301.09	.42077	.0151
#1	-.00238	.00061	.03328	1.0000
#2	-.00043	-.00022	.03348	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3735.1	2833.6	25714.	2574.0
Stddev	4.5	.4	1.	7.6
%RSD	.12040	.01568	.00512	.29453
#1	3738.3	2833.9	25715.	2579.4
#2	3731.9	2833.3	25713.	2568.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.131%	90.515%	90.484%	94.575%
Range				

Sample Name: 480-195483-A-1-EPDS Acquired: 3/9/2022 2:40:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2273	.07366	F 8.4942	.07966	1.5591
Stddev	.0027	.01845	.0176	.00003	.0035
%RSD	.22309	25.051	.20752	.03301	.22292
#1	1.2293	.08671	8.4817	.07967	1.5566
#2	1.2254	.06061	8.5067	.07964	1.5615
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.01500		

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0276	391.79	1.0791	-.0890	.99914
Stddev	.0007	2.45	.0023	.0569	.00100
%RSD	.06894	.62552	.20946	63.95	.09986
#1	1.0281	393.52	1.0775	-.1292	.99843
#2	1.0271	390.06	1.0807	-.0487	.99984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.0311	1.0200	.04011	32.782	.01761
Stddev	.0002	.0052	.00060	.168	.00073
%RSD	.02034	.50532	1.5059	.51316	4.1368
#1	1.0309	1.0236	.03968	32.663	.01709
#2	1.0312	1.0164	.04053	32.901	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-EPDS Acquired: 3/9/2022 2:40:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**62.133**	**3.9180**	**1.1010**	F **1619.6**	**1.0217**
Stddev	.381	.0207	.0023	4.0	.0015
%RSD	.61304	.52925	.21261	.24404	.14608
#1	62.403	3.9326	1.1027	1616.8	1.0206
#2	61.864	3.9033	1.0994	1622.4	1.0228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.10**	**1.0908**	**.75398**	**1.1490**	**1.1518**
Stddev	.01	.0049	.00052	.0038	.0009
%RSD	.0241	.44659	.06934	.32809	.07650
#1	24.11	1.0873	.75361	1.1516	1.1525
#2	24.10	1.0942	.75434	1.1463	1.1512
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.2351**	**.00157**	**.66034**	**1.004**	**.00375**
Stddev	.0228	.00054	.00095	.002	.00011
%RSD	1.0186	34.700	.14381	.1743	2.9785
#1	2.2190	.00118	.65967	1.005	.00383
#2	2.2512	.00195	.66101	1.003	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-EPDS Acquired: 3/9/2022 2:40:47 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0073	1.1020	1.1876	.9980
Stddev	.0024	.0041	.0005	.0000
%RSD	.23785	.37232	.03916	.0038
#1	1.0090	1.1049	1.1879	.9980
#2	1.0056	1.0991	1.1873	.9981
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3187.3	2575.3	23212.	2497.2
Stddev	4.0	2.0	68.	6.1
%RSD	.12683	.07617	.29101	.24371
#1	3184.4	2573.9	23260.	2492.9
#2	3190.1	2576.7	23164.	2501.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	71.792%	82.265%	81.680%	91.753%
Range				

Sample Name: 480-195483-A-1-F MS Acquired: 3/9/2022 2:44:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1510**	**.09733**	F **8.3896**	**.07760**	**1.5253**
Stddev	.0008	.00826	.0046	.00018	.0019
%RSD	.07107	8.4909	.05490	.23558	.12761
#1	1.1516	.09148	8.3929	.07773	1.5267
#2	1.1504	.10317	8.3864	.07747	1.5239
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.01500		

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0353**	**397.72**	**1.0662**	**-.0985**	**.98309**
Stddev	.0006	1.02	.0001	.0026	.00070
%RSD	.05412	.25741	.00456	2.598	.07149
#1	1.0357	398.45	1.0661	-.1003	.98260
#2	1.0349	397.00	1.0662	-.0967	.98359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0115**	**1.0084**	**.03954**	**27.010**	**.01966**
Stddev	.0015	.0006	.00283	.013	.00075
%RSD	.14782	.06009	7.1538	.04936	3.8096
#1	1.0105	1.0089	.03754	27.000	.02019
#2	1.0126	1.0080	.04154	27.019	.01913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-F MS Acquired: 3/9/2022 2:44:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**60.699**	**3.8149**	**1.0806**	F **1624.5**	**1.0052**
Stddev	.227	.0064	.0031	6.1	.0004
%RSD	.37376	.16777	.28339	.37695	.04106
#1	60.539	3.8104	1.0828	1628.8	1.0050
#2	60.860	3.8194	1.0784	1620.2	1.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.08**	**1.0830**	**.75297**	**1.1573**	**1.1515**
Stddev	.00	.0008	.00226	.0010	.0020
%RSD	.0096	.07878	.30043	.09112	.17147
#1	24.08	1.0823	.75137	1.1580	1.1529
#2	24.08	1.0836	.75457	1.1565	1.1501
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1641**	**.00003**	**.75023**	**1.007**	**.00302**
Stddev	.0067	.00043	.00071	.017	.00027
%RSD	.30828	1333.2	.09448	1.663	9.0322
#1	2.1688	-.00027	.75073	.9948	.00321
#2	2.1593	.00034	.74973	1.019	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-F MS Acquired: 3/9/2022 2:44:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.97956	1.0420	1.1646	.9990
Stddev	.00177	.0011	.0028	.0027
%RSD	.18092	.10828	.24232	.2731
#1	.98082	1.0428	1.1626	.9970
#2	.97831	1.0412	1.1666	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3196.1	2568.2	23345.	2494.1
Stddev	2.6	.6	46.	3.0
%RSD	.07980	.02168	.19741	.12028
#1	3197.9	2567.8	23377.	2496.2
#2	3194.3	2568.6	23312.	2492.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	71.990%	82.039%	82.146%	91.639%
Range				

Sample Name: 480-195483-A-1-G MSD Acquired: 3/9/2022 2:48:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1365**	**.08011**	F **8.3245**	**.07641**	**1.5068**
Stddev	.0033	.02507	.0069	.00021	.0014
%RSD	.29337	31.292	.08303	.27600	.09086
#1	1.1342	.09784	8.3294	.07626	1.5078
#2	1.1389	.06239	8.3196	.07656	1.5059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.01500		

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0341**	**402.67**	**1.0656**	**-.1286**	**.97661**
Stddev	.0007	3.52	.0001	.0230	.00294
%RSD	.06374	.87324	.01110	17.85	.30077
#1	1.0336	400.19	1.0655	-.1124	.97454
#2	1.0345	405.16	1.0657	-.1448	.97869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0093**	**1.0076**	**.03885**	**26.630**	**.01905**
Stddev	.0024	.0003	.00229	.002	.00201
%RSD	.24067	.02705	5.9027	.00579	10.538
#1	1.0076	1.0078	.03722	26.629	.02046
#2	1.0110	1.0074	.04047	26.631	.01763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-G MSD Acquired: 3/9/2022 2:48:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**60.786**	**3.8085**	**1.0732**	F **1622.8**	**.99781**
Stddev	.016	.0000	.0004	.2	.00360
%RSD	.02635	.00089	.03737	.01058	.36109
#1	60.775	3.8085	1.0735	1623.0	.99527
#2	60.797	3.8086	1.0729	1622.7	1.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.08**	**1.0752**	**.75014**	**1.1510**	**1.1288**
Stddev	.00	.0035	.00429	.0003	.0029
%RSD	.0044	.32513	.57124	.02984	.25791
#1	24.08	1.0727	.75317	1.1513	1.1309
#2	24.07	1.0777	.74711	1.1508	1.1268
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1516**	**.00025**	**.74678**	**1.003**	**.00358**
Stddev	.0009	.00005	.00089	.007	.00040
%RSD	.04009	18.744	.11926	.6538	11.055
#1	2.1522	.00021	.74615	1.007	.00386
#2	2.1510	.00028	.74741	.9980	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-1-G MSD Acquired: 3/9/2022 2:48:26 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.97087	1.0316	1.1598	.9995
Stddev	.00067	.0033	.0038	.0010
%RSD	.06937	.31617	.32998	.0995
#1	.97039	1.0292	1.1571	.9987
#2	.97134	1.0339	1.1625	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3198.5	2561.6	23127.	2441.1
Stddev	8.7	2.1	39.	12.7
%RSD	.27113	.08201	.17077	.52022
#1	3204.6	2563.1	23155.	2450.1
#2	3192.4	2560.2	23099.	2432.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	72.044%	81.828%	81.379%	89.692%
Range				

Sample Name: 480-195483-A-2-E Acquired: 3/9/2022 2:52:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.06373**	F **25.172**	**.09021**	**.37743**
Stddev	.00054	.00540	.015	.00033	.00004
%RSD	35.344	8.4750	.06051	.36452	.01187
#1	-.00190	.06754	25.161	.08998	.37746
#2	-.00114	.05991	25.183	.09044	.37740
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.01500		

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**409.25**	F **-.02789**	**-.0514**	**.00249**
Stddev	.00001	6.99	.00062	.0490	.00022
%RSD	16.816	1.7076	2.2116	95.22	8.8185
#1	-.00004	404.31	-.02745	-.0861	.00264
#2	-.00005	414.19	-.02832	-.0168	.00233
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			4.5000		
Low Limit			-.00200		

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.03414**	**.05870**	**8.2153**	**.01977**
Stddev	.00008	.00082	.00128	.0517	.00183
%RSD	21.237	2.3916	2.1783	.62990	9.2676
#1	.00031	.03472	.05961	8.1787	.01848
#2	.00042	.03356	.05780	8.2519	.02107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-2-E Acquired: 3/9/2022 2:52:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**20.051**	**2.5772**	**.00253**	F **1638.9**	**.00781**
Stddev	.002	.0016	.00038	8.3	.00023
%RSD	.00941	.06227	15.062	.50459	2.8946
#1	20.050	2.5783	.00226	1633.0	.00797
#2	20.053	2.5760	.00279	1644.7	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.45**	**.09494**	**2.5172**	**.05530**	**.00274**
Stddev	.00	.00136	.0021	.00003	.00108
%RSD	.0090	1.4342	.08258	.05507	39.588
#1	25.45	.09590	2.5157	.05532	.00197
#2	25.45	.09398	2.5187	.05528	.00351
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0483**	**.00011**	**.66654**	**1.001**	**.00289**
Stddev	.0453	.00002	.00369	.003	.00038
%RSD	2.2114	23.362	.55426	.2903	13.184
#1	2.0163	.00009	.66393	.9986	.00262
#2	2.0804	.00012	.66916	1.003	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195483-A-2-E Acquired: 3/9/2022 2:52:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00085	.00181	.38922	.9995
Stddev	.00134	.00040	.00208	.0008
%RSD	158.54	22.247	.53313	.0797
#1	-.00179	.00210	.38775	1.000
#2	.00010	.00153	.39069	.9989
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3188.9	2563.1	23090.	2493.6
Stddev	.6	2.9	51.	32.8
%RSD	.01863	.11373	.22084	1.3167
#1	3188.4	2561.0	23054.	2516.8
#2	3189.3	2565.2	23127.	2470.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	71.827%	81.875%	81.251%	91.619%
Range				

Sample Name: LB 480-617049/1-B Acquired: 3/9/2022 2:56:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**-.00598**	**.01478**	**.00704**	**.00010**
Stddev	.00049	.02198	.00231	.00001	.00001
%RSD	68.511	367.51	15.605	.10040	7.8665
#1	-.00037	.00956	.01314	.00704	.00010
#2	-.00106	-.02152	.01641	.00703	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.14772**	**-.00012**	**.0305**	**-.00011**
Stddev	.00001	.00124	.00002	.0076	.00005
%RSD	30.076	.84246	16.194	24.87	47.678
#1	-.00003	.14860	-.00011	.0359	-.00007
#2	-.00004	.14684	-.00014	.0252	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00373**	**.03284**	**.13110**	**-.00024**
Stddev	.00011	.00062	.00158	.01385	.00182
%RSD	24.190	16.709	4.8066	10.567	769.85
#1	.00055	.00417	.03396	.14090	.00105
#2	.00039	.00329	.03173	.12131	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-617049/1-B Acquired: 3/9/2022 2:56:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01845	.00056	.00071	F 1.5659	.00028
Stddev	.00155	.00000	.00027	.0125	.00034
%RSD	8.3834	.32062	38.349	.79967	121.18
#1	.01955	.00056	.00052	1.5747	.00052
#2	.01736	.00056	.00091	1.5570	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				1.0000	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	-.00017	-.00294	.00272	.00193
Stddev	.00	.00079	.00123	.00074	.00126
%RSD	.0015	477.35	41.713	27.314	65.393
#1	25.01	-.00073	-.00208	.00220	.00282
#2	25.01	.00039	-.00381	.00325	.00104
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02782	-.00009	.00059	1.004	-.00017
Stddev	.01010	.00020	.00020	.006	.00067
%RSD	36.323	230.10	33.167	.6155	401.74
#1	.02067	.00005	.00073	.9997	.00031
#2	.03496	-.00023	.00045	1.008	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-617049/1-B Acquired: 3/9/2022 2:56:06 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00095	-.00009	.00478	.9997
Stddev	.00021	.00019	.00004	.0006
%RSD	22.528	224.11	.89212	.0583
#1	-.00080	.00005	.00475	.9993
#2	-.00110	-.00022	.00481	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4479.9	3084.0	28451.	2665.7
Stddev	8.7	12.1	73.	2.2
%RSD	.19384	.39238	.25609	.08078
#1	4473.7	3075.4	28399.	2664.2
#2	4486.0	3092.5	28502.	2667.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.91%	98.513%	100.11%	97.943%
Range				

Sample Name: MB 480-617103/2-A Acquired: 3/9/2022 2:59:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**-.05031**	**.00216**	**-.00159**	**-.00017**
Stddev	.00018	.03509	.00125	.00013	.00001
%RSD	25.537	69.748	57.558	8.0716	7.0149
#1	-.00057	-.02550	.00128	-.00168	-.00018
#2	-.00082	-.07513	.00305	-.00150	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.01450**	**-.00027**	**.0595**	**-.00010**
Stddev	.00014	.00016	.00007	.0476	.00001
%RSD	346.73	1.1066	26.807	79.90	12.067
#1	.00006	.01461	-.00032	.0932	-.00010
#2	-.00014	.01438	-.00022	.0259	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00233**	**-.00029**	**.06873**	**.00094**
Stddev	.00000	.00001	.00031	.00553	.00146
%RSD	.00869	.38893	104.87	8.0522	154.46
#1	.00035	.00234	-.00008	.07264	.00198
#2	.00035	.00232	-.00051	.06482	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617103/2-A Acquired: 3/9/2022 2:59:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00363**	**.00031**	**.00036**	**.37352**	**.00037**
Stddev	.00035	.00001	.00011	.01215	.00010
%RSD	9.5960	1.9349	31.641	3.2531	26.284
#1	-.00388	.00031	.00043	.38211	.00030
#2	-.00338	.00032	.00028	.36492	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00047**	**-.00849**	**.00027**	**-.00121**
Stddev	.00	.00097	.00019	.00099	.00134
%RSD	.0015	206.62	2.2823	364.60	110.92
#1	25.01	.00022	-.00836	.00097	-.00026
#2	25.01	-.00116	-.00863	-.00043	-.00216
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00787**	**.00013**	**-.00005**	**1.006**	**-.00005**
Stddev	.00766	.00002	.00010	.009	.00020
%RSD	97.447	17.867	201.62	.8635	406.03
#1	-.01329	.00011	.00002	.9995	.00009
#2	-.00245	.00015	-.00012	1.012	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: MB 480-617103/2-A Acquired: 3/9/2022 2:59:55 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.00054	-.00005	.00091	.9999
Stddev	.00080	.00026	.00016	.0002
%RSD	149.20	529.00	17.681	.0242
#1	.00110	.00014	.00079	.9998
#2	-.00003	-.00024	.00102	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4529.5	3116.0	28964.	2704.2
Stddev	16.6	12.4	4.	7.5
%RSD	.36572	.39708	.01491	.27605
#1	4541.2	3124.8	28961.	2698.9
#2	4517.8	3107.3	28967.	2709.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.02%	99.538%	101.92%	99.357%
Range				

Sample Name: LCS 480-617103/3-A Acquired: 3/9/2022 3:03:43 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0312**	**-.03526**	**.99094**	**.00822**	**1.0320**
Stddev	.0012	.03410	.00454	.00032	.0020
%RSD	.11671	96.711	.45840	3.9221	.19080
#1	1.0304	-.05938	.99415	.00800	1.0334
#2	1.0321	-.01115	.98773	.00845	1.0307
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0434**	**.13073**	**.98076**	**.0301**	**.91015**
Stddev	.0020	.00051	.00221	.0518	.00064
%RSD	.19179	.38927	.22580	172.4	.07059
#1	1.0449	.13037	.98232	.0667	.90969
#2	1.0420	.13109	.97919	-.0066	.91060
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0224**	**.96155**	**.03015**	**.05250**	**-.00044**
Stddev	.0018	.00048	.00017	.00172	.00044
%RSD	.17136	.04998	.56067	3.2688	99.596
#1	1.0237	.96121	.03027	.05129	-.00013
#2	1.0212	.96189	.03003	.05372	-.00075
Check ?	Chk Pass	Chk Pass	None	None	None
High Limit					
Low Limit					

Sample Name: LCS 480-617103/3-A Acquired: 3/9/2022 3:03:43 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00805**	**1.0271**	**1.0706**	**1.2948**	**.92889**
Stddev	.00180	.0008	.0044	.0009	.00025
%RSD	22.315	.08258	.41286	.07270	.02686
#1	.00932	1.0277	1.0737	1.2955	.92872
#2	.00678	1.0265	1.0675	1.2942	.92907
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **23.76**	**.92531**	**-.00239**	**1.0273**	**.98372**
Stddev	.00	.00048	.00027	.0026	.00256
%RSD	.0153	.05207	11.104	.24974	.25983
#1	23.76	.92497	-.00220	1.0291	.98552
#2	23.76	.92565	-.00258	1.0255	.98191
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass
High Limit	1.200				
Low Limit	.8000				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03122**	**-.00006**	**.09977**	**1.004**	**.00045**
Stddev	.00673	.00035	.00006	.003	.00005
%RSD	21.561	558.74	.06203	.2568	10.196
#1	.03597	-.00031	.09973	1.006	.00048
#2	.02646	.00018	.09981	1.003	.00041
Check ?	None	None	None	Chk Pass	None
High Limit					
Low Limit					

Sample Name: LCS 480-617103/3-A Acquired: 3/9/2022 3:03:43 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0079	1.0116	.99560	1.000
Stddev	.0017	.0022	.00293	.001
%RSD	.16323	.22064	.29437	.0837
#1	1.0068	1.0100	.99767	.9995
#2	1.0091	1.0132	.99353	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4479.7	3095.5	28617.	2643.4
Stddev	.5	4.4	45.	1.7
%RSD	.01070	.14143	.15597	.06506
#1	4480.0	3092.4	28586.	2644.6
#2	4479.4	3098.6	28649.	2642.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.90%	98.883%	100.70%	97.123%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:07:26 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0396**	**47.923**	**1.0146**	**1.0589**	**1.0451**
Stddev	.0037	.123	.0008	.0010	.0040
%RSD	.35672	.25683	.08116	.09495	.38400
#1	1.0370	48.010	1.0140	1.0582	1.0479
#2	1.0422	47.836	1.0152	1.0596	1.0423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**47.770**	**1.0126**	**1.038**	**.96342**
Stddev	.0064	.178	.0004	.014	.00152
%RSD	.62299	.37240	.04039	1.355	.15757
#1	1.0352	47.896	1.0123	1.028	.96449
#2	1.0261	47.644	1.0129	1.048	.96234
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0511**	**.98797**	**51.723**	**52.722**	**1.0590**
Stddev	.0027	.00225	.001	.161	.0062
%RSD	.25801	.22789	.00183	.30458	.58048
#1	1.0492	.98638	51.722	52.835	1.0633
#2	1.0530	.98956	51.724	52.608	1.0546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:07:26 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.640**	**1.0190**	**1.0804**	**51.864**	**.97832**
Stddev	.143	.0027	.0025	.262	.00081
%RSD	.29437	.26086	.23414	.50438	.08311
#1	48.538	1.0171	1.0786	52.049	.97890
#2	48.741	1.0209	1.0822	51.679	.97775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.31**	**.94996**	**24.056**	**1.0175**	**1.0425**
Stddev	.01	.00175	.016	.0059	.0032
%RSD	.0296	.18436	.06629	.57695	.30199
#1	38.30	.95120	24.068	1.0217	1.0447
#2	38.32	.94872	24.045	1.0134	1.0402
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.705**	**.93733**	**1.0170**	**1.509**	**.97543**
Stddev	.065	.00155	.0038	.007	.00251
%RSD	.60569	.16548	.37648	.4439	.25754
#1	10.751	.93843	1.0197	1.504	.97365
#2	10.659	.93623	1.0143	1.513	.97720
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:07:26 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0256	1.0440	.98110	1.510
Stddev	.0025	.0095	.00063	.000
%RSD	.24608	.90934	.06403	.0296
#1	1.0238	1.0372	.98066	1.510
#2	1.0274	1.0507	.98155	1.509
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3891.0	2950.2	26758.	2589.0
Stddev	12.2	5.0	101.	1.6
%RSD	.31431	.17004	.37892	.06311
#1	3882.3	2946.6	26830.	2587.8
#2	3899.6	2953.7	26686.	2590.1

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:10:59 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**-.01471**	**.00159**	**-.00051**	**-.00014**
Stddev	.00087	.00177	.00040	.00019	.00002
%RSD	99.993	12.050	25.137	37.186	11.154
#1	-.00148	-.01346	.00131	-.00038	-.00013
#2	-.00025	-.01596	.00187	-.00065	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00369**	**-.00003**	**-.0027**	**-.00005**
Stddev	.00009	.00212	.00012	.0060	.00017
%RSD	317.45	57.583	395.02	223.2	353.96
#1	-.00009	-.00519	.00005	-.0069	-.00017
#2	.00004	-.00219	-.00012	.0016	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00284**	**.00004**	**.06495**	**-.00039**
Stddev	.00015	.00062	.00079	.02086	.00210
%RSD	87.547	21.848	1872.6	32.116	540.31
#1	-.00028	.00240	-.00051	.07970	-.00187
#2	-.00007	.00327	.00060	.05020	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:10:59 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00449**	**-.00008**	**.00169**	**.23494**	**.00011**
Stddev	.00078	.00005	.00004	.00252	.00003
%RSD	17.276	66.396	2.4357	1.0710	23.600
#1	-.00504	-.00004	.00166	.23316	.00013
#2	-.00394	-.00012	.00171	.23672	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00019**	**-.00868**	**.00215**	**.00319**
Stddev	.00	.00028	.00439	.00085	.00020
%RSD	.0039	152.63	50.607	39.525	6.1637
#1	25.01	-.00039	-.01178	.00275	.00333
#2	25.01	.00001	-.00557	.00155	.00305
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00402**	**.00020**	**-.00005**	**1.001**	**-.00003**
Stddev	.00136	.00001	.00008	.004	.00021
%RSD	33.730	3.0197	152.85	.3990	787.83
#1	-.00498	.00019	-.00011	.9984	-.00017
#2	-.00306	.00020	.00000	1.004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:10:59 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.00017	-.00043	-.00023	.9991
Stddev	.00134	.00024	.00016	.0007
%RSD	787.94	56.360	71.081	.0687
#1	.00112	-.00060	-.00034	.9986
#2	-.00078	-.00026	-.00011	.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4461.5	3054.2	28190.	2613.1
Stddev	1.1	.7	130.	1.0
%RSD	.02508	.02128	.46054	.03795
#1	4460.7	3054.7	28282.	2613.8
#2	4462.3	3053.8	28098.	2612.4

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00659	.18326	.01467	.02113	.00193
Stddev	.00032	.01110	.00090	.00001	.00001
%RSD	4.8774	6.0553	6.1528	.06262	.52742
#1	.00636	.17541	.01403	.02114	.00192
#2	.00682	.19111	.01531	.02112	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00200	.46985	.00166	-.0135	.00366
Stddev	.00011	.00351	.00011	.0147	.00012
%RSD	5.5770	.74731	6.7919	109.2	3.4085
#1	.00208	.47233	.00174	-.0239	.00375
#2	.00192	.46736	.00158	-.0031	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00402	.01234	.04893	.55188	.02956
Stddev	.00010	.00029	.00162	.05434	.00059
%RSD	2.3800	2.3883	3.3187	9.8458	2.0097
#1	.00409	.01255	.05007	.51346	.02998
#2	.00396	.01213	.04778	.59031	.02914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18892	.00304	.01171	1.2062	.00956
Stddev	.00238	.00009	.00031	.0065	.00025
%RSD	1.2602	2.8513	2.6165	.54244	2.6331
#1	.19060	.00310	.01150	1.2015	.00938
#2	.18724	.00298	.01193	1.2108	.00973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00944	.17098	.02098	.02487
Stddev	.00	.00043	.00028	.00001	.00045
%RSD	.0001	4.5310	.16572	.07132	1.7985
#1	25.00	.00974	.17118	.02099	.02518
#2	25.00	.00914	.17078	.02097	.02455
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50837	.00875	.00494	F 1.007	.00454
Stddev	.00702	.00003	.00001	.003	.00012
%RSD	1.3804	.33767	.25792	.3279	2.7516
#1	.50341	.00877	.00495	1.004	.00463
#2	.51334	.00873	.00493	1.009	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.01990	.00516	.01012	F 1.000
Stddev	.00011	.00009	.00007	.001
%RSD	.55228	1.7035	.67021	.0604
#1	.01982	.00522	.01007	1.001
#2	.01998	.00510	.01017	1.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4467.2	3081.9	28346.	2649.7
Stddev	7.1	7.1	7.	5.9
%RSD	.15794	.23171	.02305	.22319
#1	4462.2	3076.8	28342.	2645.5
#2	4472.2	3086.9	28351.	2653.9

Sample Name: 480-195518-A-29-B Acquired: 3/9/2022 3:18:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**-.01662**	**.00126**	**.00870**	**-.00005**
Stddev	.00052	.00750	.00031	.00019	.00002
%RSD	81.919	45.148	24.717	2.1743	35.291
#1	-.00100	-.02193	.00104	.00856	-.00007
#2	-.00027	-.01132	.00148	.00883	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.31381**	**-.00007**	**.0441**	**-.00019**
Stddev	.00009	.00034	.00003	.0143	.00005
%RSD	99.293	.10696	42.881	32.35	26.810
#1	-.00003	.31357	-.00010	.0340	-.00016
#2	-.00015	.31405	-.00005	.0542	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00221**	**.00580**	**.01196**	**.00097**
Stddev	.00002	.00041	.00344	.00041	.00151
%RSD	13.191	18.586	59.316	3.4161	156.10
#1	-.00017	.00192	.00823	.01225	-.00010
#2	-.00021	.00250	.00337	.01167	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-B Acquired: 3/9/2022 3:18:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01968	.00007	.00029	2.7695	-.00003
Stddev	.00106	.00005	.00030	.0157	.00003
%RSD	5.3731	81.596	101.12	.56558	97.138
#1	.02042	.00010	.00008	2.7584	-.00001
#2	.01893	.00003	.00050	2.7805	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.01	-.00020	-.00672	.00140	.00211
Stddev	.00	.00055	.00311	.00163	.00028
%RSD	.0005	271.44	46.289	115.99	13.487
#1	25.01	.00019	-.00452	.00255	.00191
#2	25.01	-.00060	-.00892	.00025	.00231
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.08380	-.00002	.00079	1.0000	-.00069
Stddev	.01804	.00030	.00016	.0053	.00008
%RSD	21.522	1237.5	19.725	.5328	11.604
#1	.09655	.00019	.00068	.9962	-.00075
#2	.07105	-.00024	.00090	1.004	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-B Acquired: 3/9/2022 3:18:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00052	.00018	.00211	.9996
Stddev	.00064	.00001	.00013	.0003
%RSD	122.20	6.6556	6.1031	.0319
#1	-.00097	.00019	.00202	.9993
#2	-.00007	.00017	.00220	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4471.8	3073.8	28569.	2645.4
Stddev	5.3	3.3	47.	13.3
%RSD	.11748	.10784	.16440	.50385
#1	4475.5	3076.2	28535.	2654.8
#2	4468.1	3071.5	28602.	2636.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.72%	98.189%	100.53%	97.199%
Range				

Sample Name: 195518-A-29-BSD@5 Acquired: 3/9/2022 3:22:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.02801**	**.00022**	**.00087**	**-.00016**
Stddev	.00027	.04602	.00017	.00009	.00004
%RSD	66.239	164.28	79.512	10.429	26.115
#1	.00021	-.06056	.00009	.00081	-.00013
#2	.00059	.00453	.00034	.00094	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.06977**	**-.00009**	**.0314**	**-.00004**
Stddev	.00002	.00064	.00003	.0138	.00003
%RSD	22.985	.91026	29.314	43.89	61.041
#1	-.00008	.06932	-.00007	.0216	-.00003
#2	-.00006	.07022	-.00011	.0411	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00165**	**-.00382**	**.03278**	**-.00189**
Stddev	.00031	.00019	.00175	.00907	.00003
%RSD	193.37	11.741	45.686	27.660	1.3972
#1	-.00037	.00151	-.00506	.02637	-.00187
#2	.00006	.00178	-.00259	.03920	-.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-A-29-BSD@5 Acquired: 3/9/2022 3:22:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**-.00006**	**.00015**	**.76993**	**.00001**
Stddev	.00155	.00001	.00026	.00941	.00012
%RSD	101.34	13.636	178.47	1.2225	1135.6
#1	-.00043	-.00005	-.00004	.77659	-.00008
#2	-.00263	-.00007	.00033	.76327	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00005**	**-.01225**	**-.00082**	**.00015**
Stddev	.00	.00096	.00002	.00100	.00030
%RSD	.0014	1878.1	.18690	121.96	194.09
#1	25.01	.00063	-.01226	-.00011	-.00006
#2	25.01	-.00073	-.01223	-.00153	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01600**	**.00034**	**.00008**	**1.006**	**-.00009**
Stddev	.00940	.00055	.00005	.005	.00005
%RSD	58.740	161.42	63.750	.4803	59.935
#1	.02265	.00073	.00012	1.009	-.00013
#2	.00936	-.00005	.00005	1.002	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 195518-A-29-BSD@5 Acquired: 3/9/2022 3:22:27 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	-.00004	-.00003	.00011	.9987
Stddev	.00046	.00029	.00022	.0008
%RSD	1172.5	926.04	204.87	.0760
#1	.00029	-.00024	-.00005	.9981
#2	-.00037	.00018	.00026	.9992
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4467.1	3067.6	28167.	2589.6
Stddev	10.1	6.6	19.	.4
%RSD	.22629	.21548	.06733	.01477
#1	4459.9	3062.9	28153.	2589.4
#2	4474.2	3072.3	28180.	2589.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.62%	97.990%	99.113%	95.148%
Range				

Sample Name: 480-195518-A-29-BPDS Acquired: 3/9/2022 3:26:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.95778**	**-.01348**	**.89570**	**.01054**	**.96129**
Stddev	.00346	.00809	.00281	.00012	.00484
%RSD	.36158	60.029	.31376	1.1835	.50345
#1	.95533	-.00776	.89769	.01045	.95786
#2	.96023	-.01920	.89371	.01063	.96471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94436**	**.30583**	**.89305**	**-.0155**	**.83124**
Stddev	.00386	.00498	.00090	.0341	.00141
%RSD	.40896	1.6291	.10120	219.5	.17011
#1	.94163	.30935	.89369	.0086	.83024
#2	.94709	.30231	.89241	-.0396	.83224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94417**	**.87787**	**.00575**	**.00991**	**-.00075**
Stddev	.00007	.00247	.00029	.01786	.00035
%RSD	.00747	.28150	5.0561	180.22	47.268
#1	.94412	.87612	.00554	-.00272	-.00050
#2	.94422	.87961	.00595	.02253	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-BPDS Acquired: 3/9/2022 3:26:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**.94599**	**1.0065**	**2.7530**	**.84721**
Stddev	.00300	.00230	.0029	.0213	.00054
%RSD	18.592	.24329	.28719	.77262	.06321
#1	.01403	.94436	1.0085	2.7380	.84683
#2	.01828	.94761	1.0044	2.7680	.84759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**23.91**	**.82956**	**-.00583**	**.92970**	**.89702**
Stddev	.00	.00114	.00239	.00297	.00001
%RSD	.0075	.13700	41.005	.31983	.00059
#1	23.91	.83036	-.00414	.93180	.89702
#2	23.91	.82875	-.00752	.92759	.89703
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.07819**	**.00031**	**.00090**	**1.005**	**.00055**
Stddev	.01279	.00008	.00011	.005	.00071
%RSD	16.354	27.061	12.734	.4880	127.84
#1	.06915	.00025	.00098	1.008	.00005
#2	.08723	.00037	.00082	1.001	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-BPDS Acquired: 3/9/2022 3:26:15 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.92463	.96052	.90155	.9998
Stddev	.00312	.00397	.00120	.0000
%RSD	.33727	.41351	.13355	.0009
#1	.92243	.95772	.90070	.9998
#2	.92684	.96333	.90241	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4429.5	3053.0	28286.	2620.4
Stddev	4.7	9.5	67.	7.9
%RSD	.10592	.30967	.23813	.30143
#1	4426.2	3046.4	28334.	2626.0
#2	4432.8	3059.7	28238.	2614.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.771%	97.525%	99.534%	96.281%
Range				

Sample Name: 480-195518-A-29-C MS Acquired: 3/9/2022 3:29:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0836**	**.01299**	**1.0010**	**.01035**	**1.0608**
Stddev	.0007	.03949	.0017	.00024	.0047
%RSD	.06094	303.97	.17338	2.2797	.44557
#1	1.0831	-.01493	.99975	.01051	1.0575
#2	1.0840	.04091	1.0022	.01018	1.0642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0391**	**.29673**	**.98476**	**.0064**	**.91832**
Stddev	.0091	.00286	.00065	.0177	.00105
%RSD	.87740	.96215	.06553	277.3	.11381
#1	1.0326	.29471	.98521	-.0061	.91758
#2	1.0455	.29875	.98430	.0189	.91906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0360**	**.95802**	**.00996**	**.07583**	**-.00132**
Stddev	.0040	.00364	.00025	.03416	.00068
%RSD	.38781	.37966	2.4653	45.042	51.753
#1	1.0388	.96059	.01014	.09998	-.00084
#2	1.0332	.95544	.00979	.05168	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-C MS Acquired: 3/9/2022 3:29:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00841	1.0473	1.1007	2.7057	.93954
Stddev	.00025	.0030	.0019	.0120	.00021
%RSD	2.9286	.28520	.17331	.44414	.02249
#1	.00823	1.0494	1.1021	2.6972	.93939
#2	.00858	1.0451	1.0994	2.7142	.93969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	23.81	.92282	-.00604	1.0373	1.0123
Stddev	.00	.00197	.00203	.0008	.0011
%RSD	.0157	.21317	33.585	.07228	.10687
#1	23.81	.92143	-.00461	1.0368	1.0131
#2	23.80	.92421	-.00748	1.0378	1.0115
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.07010	.00014	.09999	.9980	.00073
Stddev	.01648	.00027	.00033	.0044	.00003
%RSD	23.508	186.46	.33057	.4450	3.9555
#1	.05845	-.00005	.09976	.9948	.00075
#2	.08176	.00033	.10023	1.001	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-C MS Acquired: 3/9/2022 3:29:56 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0324	1.0662	1.0114	1.001
Stddev	.0016	.0008	.0022	.001
%RSD	.15363	.07788	.22184	.1407
#1	1.0312	1.0656	1.0098	.9996
#2	1.0335	1.0668	1.0130	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4457.6	3096.0	28576.	2664.7
Stddev	3.8	5.9	73.	17.4
%RSD	.08550	.19019	.25578	.65368
#1	4454.9	3091.8	28524.	2677.1
#2	4460.3	3100.1	28628.	2652.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.40%	98.896%	100.55%	97.908%
Range				

Sample Name: 480-195518-A-29-D MS Acquired: 3/9/2022 3:33:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0539**	**.00208**	**.99720**	**.01013**	**1.0456**
Stddev	.0007	.01387	.00033	.00009	.0020
%RSD	.06524	665.71	.03351	.85437	.19104
#1	1.0544	-.00772	.99743	.01007	1.0442
#2	1.0534	.01189	.99696	.01019	1.0470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0509**	**.30977**	**.98621**	**-.0344**	**.91783**
Stddev	.0019	.00284	.00199	.0146	.00074
%RSD	.18405	.91804	.20194	42.46	.08034
#1	1.0495	.30776	.98480	-.0240	.91835
#2	1.0522	.31178	.98762	-.0447	.91731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0360**	**.96018**	**.01842**	**.03644**	**-.00023**
Stddev	.0021	.00072	.00062	.02377	.00059
%RSD	.20150	.07481	3.3770	65.232	258.75
#1	1.0345	.96069	.01798	.05325	-.00064
#2	1.0375	.95967	.01886	.01963	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-D MS Acquired: 3/9/2022 3:33:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01148	1.0407	1.0854	2.6917	.93701
Stddev	.00498	.0010	.0012	.0067	.00207
%RSD	43.367	.09560	.10845	.24752	.22112
#1	.00796	1.0414	1.0846	2.6870	.93848
#2	.01500	1.0400	1.0863	2.6964	.93555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	23.77	.93064	-.00645	1.0350	.99898
Stddev	.00	.00318	.00087	.0044	.00301
%RSD	.0136	.34178	13.498	.42705	.30143
#1	23.77	.93289	-.00706	1.0319	1.0011
#2	23.77	.92839	-.00583	1.0381	.99685
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.07279	.00029	.09986	1.004	.00032
Stddev	.01472	.00015	.00035	.002	.00006
%RSD	20.219	50.681	.34663	.2397	19.275
#1	.08320	.00019	.09962	1.006	.00036
#2	.06239	.00040	.10011	1.002	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-195518-A-29-D MS Acquired: 3/9/2022 3:33:36 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	1.0212	1.0342	1.0183	1.000
Stddev	.0007	.0008	.0006	.001
%RSD	.07213	.07716	.05814	.0541
#1	1.0207	1.0348	1.0187	1.001
#2	1.0217	1.0336	1.0178	.9998
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4469.8	3099.0	28487.	2631.9
Stddev	3.2	8.2	16.	16.7
%RSD	.07164	.26389	.05537	.63527
#1	4472.0	3104.8	28499.	2643.8
#2	4467.5	3093.2	28476.	2620.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.68%	98.993%	100.24%	96.703%
Range				

Sample Name: rinse Acquired: 3/9/2022 3:37:16 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00635**	**.17482**	**.01544**	**.02054**	**.00194**
Stddev	.00034	.07122	.00062	.00037	.00001
%RSD	5.3181	40.738	4.0209	1.8066	.49929
#1	.00611	.12446	.01588	.02080	.00194
#2	.00659	.22517	.01500	.02028	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**.48561**	**.00187**	**-.0051**	**.00357**
Stddev	.00005	.00739	.00008	.0124	.00002
%RSD	2.3984	1.5227	4.2390	244.6	.69389
#1	.00197	.48039	.00181	-.0138	.00359
#2	.00204	.49084	.00192	.0037	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**.01169**	**.05095**	**.52361**	**.02906**
Stddev	.00003	.00094	.00151	.00609	.00005
%RSD	.63312	8.0262	2.9616	1.1625	.18902
#1	.00413	.01236	.04989	.52791	.02902
#2	.00417	.01103	.05202	.51930	.02910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:37:16 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18827**	**.00302**	**.01319**	**1.1837**	**.00967**
Stddev	.00225	.00007	.00027	.0166	.00003
%RSD	1.1927	2.3595	2.0272	1.4041	.28766
#1	.18668	.00297	.01300	1.1720	.00969
#2	.18985	.00307	.01338	1.1955	.00966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**.00925**	**.16814**	**.02455**	**.02636**
Stddev	.00	.00107	.00127	.00040	.00037
%RSD	.0051	11.537	.75686	1.6131	1.4166
#1	25.00	.01000	.16724	.02427	.02662
#2	25.00	.00849	.16904	.02483	.02609
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.52511**	**.00857**	**.00515**	**1.011**	**.00481**
Stddev	.00550	.00014	.00000	.003	.00024
%RSD	1.0467	1.5786	.00145	.2540	5.0550
#1	.52122	.00847	.00515	1.009	.00464
#2	.52899	.00867	.00515	1.013	.00498
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:37:16 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.02087	.00523	.00993	.9993
Stddev	.00003	.00004	.00011	.0013
%RSD	.16678	.77262	1.1360	.1323
#1	.02089	.00526	.00985	.9983
#2	.02085	.00520	.01001	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4454.1	3069.8	28223.	2575.1
Stddev	4.4	6.0	49.	15.4
%RSD	.09772	.19439	.17510	.59886
#1	4451.0	3065.6	28188.	2586.0
#2	4457.2	3074.0	28258.	2564.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.33%	98.060%	99.312%	94.615%
Range				

Sample Name: rinse Acquired: 3/9/2022 3:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00662**	**.17011**	**.01389**	**.01990**	**.00193**
Stddev	.00014	.00587	.00045	.00004	.00003
%RSD	2.1721	3.4528	3.2184	.18682	1.6414
#1	.00652	.17427	.01421	.01993	.00191
#2	.00673	.16596	.01357	.01987	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.47101**	**.00186**	**.0380**	**.00352**
Stddev	.00007	.00211	.00003	.0296	.00014
%RSD	3.3083	.44818	1.7012	78.06	4.0228
#1	.00198	.47250	.00184	.0589	.00342
#2	.00208	.46952	.00188	.0170	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00426**	**.01155**	**.04453**	**.49439**	**.03058**
Stddev	.00042	.00014	.00023	.00393	.00099
%RSD	9.9289	1.2295	.51522	.79568	3.2393
#1	.00456	.01165	.04470	.49718	.02988
#2	.00397	.01145	.04437	.49161	.03128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18492	.00303	.01156	1.1600	.00950
Stddev	.00075	.00004	.00021	.0057	.00032
%RSD	.40456	1.3240	1.7729	.49475	3.4122
#1	.18439	.00300	.01142	1.1560	.00927
#2	.18545	.00306	.01171	1.1641	.00973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.00	.00833	.16576	.02102	.02513
Stddev	.00	.00043	.00173	.00044	.00022
%RSD	.0031	5.1171	1.0445	2.0720	.87638
#1	25.00	.00863	.16454	.02132	.02528
#2	25.00	.00802	.16699	.02071	.02497
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52546	.00877	.00510	1.006	.00454
Stddev	.02038	.00024	.00007	.006	.00022
%RSD	3.8783	2.7915	1.3441	.5946	4.8045
#1	.53987	.00895	.00506	1.010	.00438
#2	.51105	.00860	.00515	1.001	.00469
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:41:04 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.01960	.00516	.00991	.9987
Stddev	.00062	.00021	.00028	.0006
%RSD	3.1493	4.0315	2.7978	.0637
#1	.01917	.00502	.01010	.9992
#2	.02004	.00531	.00971	.9983
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.1	3079.1	28253.	2612.5
Stddev	4.8	.2	7.	26.1
%RSD	.10733	.00791	.02501	1.0003
#1	4477.5	3079.0	28248.	2631.0
#2	4470.7	3079.3	28258.	2594.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.78%	98.359%	99.418%	95.989%
Range				

Sample Name: rinse Acquired: 3/9/2022 3:44:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**.15726**	**.01385**	**.02021**	**.00192**
Stddev	.00044	.03405	.00143	.00015	.00002
%RSD	6.9223	21.651	10.329	.73268	.96604
#1	.00661	.13318	.01284	.02032	.00193
#2	.00599	.18134	.01486	.02011	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.46121**	**.00188**	**-.0266**	**.00356**
Stddev	.00003	.00372	.00005	.0393	.00000
%RSD	1.6748	.80751	2.8581	148.1	.06312
#1	.00197	.46384	.00192	.0013	.00356
#2	.00193	.45858	.00185	-.0544	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**.01236**	**.04443**	**.53596**	**.02939**
Stddev	.00015	.00077	.00172	.05791	.00117
%RSD	3.3696	6.1919	3.8811	10.804	3.9730
#1	.00422	.01290	.04321	.49502	.03021
#2	.00442	.01182	.04565	.57691	.02856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:44:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18781	.00304	.01144	1.1504	.00942
Stddev	.00403	.00007	.00015	.0040	.00010
%RSD	2.1450	2.1778	1.3247	.35061	1.1111
#1	.19066	.00309	.01133	1.1476	.00935
#2	.18496	.00299	.01154	1.1533	.00950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.00	.00905	.16775	.02082	.02454
Stddev	.00	.00021	.00060	.00053	.00106
%RSD	.0004	2.2814	.35863	2.5647	4.3240
#1	25.00	.00890	.16732	.02119	.02529
#2	25.00	.00919	.16817	.02044	.02379
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.53441	.00865	.00506	.9987	.00449
Stddev	.00985	.00003	.00008	.0130	.00031
%RSD	1.8433	.31986	1.5993	1.301	6.8440
#1	.52745	.00863	.00512	1.008	.00427
#2	.54138	.00867	.00500	.9895	.00471
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:44:51 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.02021	.00518	.01004	.9995
Stddev	.00037	.00052	.00054	.0008
%RSD	1.8346	10.135	5.4040	.0818
#1	.01995	.00481	.00966	.9989
#2	.02047	.00555	.01043	1.000
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4486.8	3089.9	28250.	2632.5
Stddev	12.1	11.2	108.	5.3
%RSD	.27001	.36320	.38073	.20188
#1	4478.2	3082.0	28174.	2628.7
#2	4495.4	3097.8	28326.	2636.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.06%	98.703%	99.406%	96.722%
Range				

Sample Name: rinse Acquired: 3/9/2022 3:48:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00583**	**.18693**	**.01294**	**.02036**	**.00189**
Stddev	.00019	.01567	.00073	.00007	.00002
%RSD	3.2679	8.3826	5.6310	.36339	1.2582
#1	.00569	.17585	.01242	.02041	.00188
#2	.00596	.19801	.01345	.02031	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.47299**	**.00187**	**.0244**	**.00358**
Stddev	.00003	.00414	.00005	.0089	.00001
%RSD	1.5477	.87587	2.7353	36.59	.41330
#1	.00197	.47592	.00184	.0307	.00359
#2	.00201	.47006	.00191	.0181	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.01254**	**.04652**	**.50014**	**.02896**
Stddev	.00015	.00038	.00221	.01513	.00073
%RSD	3.2680	2.9917	4.7598	3.0247	2.5157
#1	.00437	.01280	.04495	.48944	.02844
#2	.00458	.01227	.04808	.51084	.02947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:48:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18342**	**.00298**	**.01123**	**1.1430**	**.00971**
Stddev	.00356	.00003	.00006	.0001	.00019
%RSD	1.9423	1.1064	.55501	.00424	1.9776
#1	.18090	.00296	.01118	1.1430	.00984
#2	.18593	.00300	.01127	1.1431	.00957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.00**	**.00936**	**.17076**	**.02093**	**.02408**
Stddev	.00	.00092	.00050	.00017	.00113
%RSD	.0003	9.8625	.29364	.79353	4.6824
#1	25.00	.01002	.17041	.02105	.02328
#2	25.00	.00871	.17111	.02082	.02487
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.50438**	**.00863**	**.00502**	**1.004**	**.00436**
Stddev	.00573	.00059	.00012	.000	.00036
%RSD	1.1358	6.8754	2.4705	.0378	8.1399
#1	.50843	.00821	.00511	1.004	.00461
#2	.50033	.00905	.00493	1.004	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: rinse Acquired: 3/9/2022 3:48:39 Type: Unk
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm
Avg	.02053	.00515	.00989	.9991
Stddev	.00047	.00019	.00053	.0007
%RSD	2.3078	3.6798	5.4002	.0673
#1	.02086	.00529	.00952	.9996
#2	.02019	.00502	.01027	.9986
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4475.7	3090.5	28474.	2647.0
Stddev	6.7	2.5	84.	17.4
%RSD	.14918	.08169	.29647	.65885
#1	4480.4	3092.3	28533.	2659.3
#2	4471.0	3088.8	28414.	2634.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.81%	98.723%	100.19%	97.257%
Range				

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:52:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0414**	**48.074**	**1.0127**	**1.0552**	**1.0443**
Stddev	.0086	.051	.0003	.0009	.0005
%RSD	.83102	.10532	.02585	.08840	.05177
#1	1.0475	48.038	1.0129	1.0546	1.0447
#2	1.0353	48.110	1.0126	1.0559	1.0439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0335**	**47.922**	**1.0099**	**.9944**	**.96475**
Stddev	.0022	.013	.0003	.0468	.00023
%RSD	.21209	.02783	.02935	4.707	.02344
#1	1.0350	47.932	1.0102	1.028	.96491
#2	1.0319	47.913	1.0097	.9613	.96459
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0623**	**.98666**	**52.014**	**53.016**	**1.0612**
Stddev	.0009	.00034	.262	.099	.0036
%RSD	.08537	.03396	.50427	.18707	.33879
#1	1.0616	.98642	51.828	53.086	1.0638
#2	1.0629	.98689	52.199	52.946	1.0587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:52:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.964**	**1.0252**	**1.0790**	**52.075**	**.98190**
Stddev	.128	.0015	.0020	.094	.00000
%RSD	.26081	.14215	.18627	.18113	.00021
#1	49.055	1.0262	1.0776	52.142	.98191
#2	48.874	1.0242	1.0804	52.009	.98190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.31**	**.95302**	**24.010**	**1.0093**	**1.0415**
Stddev	.01	.00014	.058	.0029	.0050
%RSD	.0316	.01444	.24349	.28638	.48532
#1	38.30	.95292	24.051	1.0113	1.0451
#2	38.31	.95311	23.968	1.0072	1.0379
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.744**	**.94034**	**1.0157**	**1.517**	**.97894**
Stddev	.025	.00401	.0005	.005	.00091
%RSD	.23591	.42606	.04656	.3165	.09325
#1	10.762	.94318	1.0160	1.513	.97959
#2	10.726	.93751	1.0154	1.520	.97830
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 3:52:31 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0251	1.0469	.99675	1.510
Stddev	.0002	.0047	.00162	.001
%RSD	.01916	.45050	.16206	.0766
#1	1.0252	1.0502	.99789	1.510
#2	1.0250	1.0436	.99561	1.511
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3906.0	2964.4	26661.	2581.2
Stddev	1.2	1.3	28.	8.5
%RSD	.03044	.04292	.10579	.32944
#1	3906.8	2965.3	26641.	2575.2
#2	3905.2	2963.5	26681.	2587.2

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:56:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**-.02684**	**.00080**	**-.00056**	**-.00015**
Stddev	.00003	.00214	.00073	.00022	.00002
%RSD	8.3317	7.9700	91.447	38.757	14.887
#1	-.00042	-.02835	.00028	-.00041	-.00013
#2	-.00038	-.02533	.00131	-.00072	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00373**	**-.00025**	**.0494**	**-.00001**
Stddev	.00000	.00125	.00001	.0213	.00007
%RSD	664.73	33.501	2.6902	43.18	1016.3
#1	-.00000	-.00461	-.00025	.0343	.00004
#2	.00000	-.00285	-.00024	.0644	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00272**	**-.00110**	**.05747**	**-.00137**
Stddev	.00008	.00023	.00045	.00896	.00023
%RSD	29.448	8.3137	41.054	15.583	16.506
#1	-.00034	.00256	-.00142	.05114	-.00153
#2	-.00022	.00288	-.00078	.06380	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:56:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00350**	**-.00014**	**.00139**	**.12869**	**.00033**
Stddev	.00057	.00003	.00028	.00459	.00027
%RSD	16.375	21.028	20.200	3.5636	81.073
#1	-.00391	-.00012	.00120	.13193	.00014
#2	-.00310	-.00016	.00159	.12545	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00001**	**-.01194**	**-.00014**	**.00201**
Stddev	.00	.00049	.00075	.00075	.00126
%RSD	.0035	3977.5	6.2971	517.34	62.740
#1	25.01	.00033	-.01140	-.00067	.00112
#2	25.01	-.00036	-.01247	.00038	.00290
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00663**	**-.00007**	**.00001**	**1.001**	**-.00006**
Stddev	.00912	.00033	.00005	.013	.00026
%RSD	137.60	467.78	404.95	1.333	415.40
#1	.01308	-.00030	-.00002	1.010	-.00025
#2	.00018	.00016	.00005	.9912	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 3:56:03 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00033**	**-.00001**	**.9990**
Stddev	.00044	.00051	.00034	.0006
%RSD	357.10	155.29	3756.2	.0573
#1	-.00044	.00003	.00023	.9994
#2	.00019	-.00069	-.00025	.9986
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4468.6**	**3060.1**	**28270.**	**2590.9**
Stddev	2.6	4.2	69.	10.8
%RSD	.05716	.13668	.24479	.41577
#1	4470.4	3063.1	28319.	2598.5
#2	4466.8	3057.2	28221.	2583.3

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:59:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00657	.15708	.01195	.02097	.00195
Stddev	.00039	.02229	.00007	.00025	.00001
%RSD	5.9028	14.188	.57933	1.2064	.33601
#1	.00630	.17284	.01190	.02115	.00194
#2	.00685	.14133	.01200	.02079	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00192	.45377	.00177	.0017	.00349
Stddev	.00001	.00168	.00001	.0086	.00002
%RSD	.29739	.36938	.46800	493.4	.53725
#1	.00192	.45496	.00177	-.0043	.00350
#2	.00191	.45259	.00178	.0078	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00392	.01284	.04328	.55365	.02769
Stddev	.00010	.00010	.00068	.01801	.00056
%RSD	2.5267	.76808	1.5799	3.2537	2.0117
#1	.00385	.01291	.04376	.56639	.02809
#2	.00399	.01277	.04280	.54091	.02730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:59:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18638	.00309	.01145	1.1262	.00964
Stddev	.00194	.00002	.00006	.0109	.00002
%RSD	1.0382	.61832	.53768	.96400	.17876
#1	.18775	.00310	.01141	1.1186	.00962
#2	.18501	.00307	.01150	1.1339	.00965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F 25.00	.00942	.16416	.02102	.02467
Stddev	.00	.00072	.00156	.00206	.00015
%RSD	.0060	7.6974	.95081	9.7970	.59760
#1	25.00	.00993	.16526	.01956	.02477
#2	25.00	.00890	.16305	.02248	.02456
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0060				
Range	50.00%				

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50343	.00856	.00501	F .9995	.00423
Stddev	.00389	.00004	.00003	.0005	.00024
%RSD	.77249	.44513	.51925	.0481	5.7464
#1	.50068	.00853	.00503	.9999	.00406
#2	.50618	.00859	.00499	.9992	.00441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				.0060	
Range				50.00%	

Sample Name: CCVL-6882776 Acquired: 3/9/2022 3:59:55 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.02108	.00550	.01020	F .9998
Stddev	.00101	.00000	.00032	.0003
%RSD	4.8084	.06516	3.1846	.0297
#1	.02179	.00550	.00997	.9996
#2	.02036	.00550	.01043	1.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0060
Range				50.00%
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4462.4	3075.3	28223.	2637.5
Stddev	3.8	2.8	52.	3.1
%RSD	.08621	.08958	.18543	.11821
#1	4459.7	3073.3	28260.	2639.7
#2	4465.1	3077.2	28186.	2635.3

Sample Name: ICSA-6865244 Acquired: 3/9/2022 4:03:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**484.34**	**.00612**	**-.00257**	**.01363**
Stddev	.00019	2.52	.00056	.00064	.00002
%RSD	28.159	.52042	9.1965	24.959	.11740
#1	-.00082	482.56	.00573	-.00303	.01361
#2	-.00055	486.12	.00652	-.00212	.01364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**443.08**	**-.00000**	**.0341**	**-.00025**
Stddev	.00002	4.03	.00003	.0088	.00025
%RSD	9.0170	.90896	960.26	25.75	98.755
#1	-.00017	445.93	.00002	.0403	-.00008
#2	-.00019	440.23	-.00003	.0279	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**.00287**	**198.37**	**.00996**	**.01350**
Stddev	.00025	.00027	.59	.01409	.00084
%RSD	15.686	9.3600	.29643	141.53	6.1992
#1	.00144	.00268	197.96	.01992	.01291
#2	.00181	.00306	198.79	-.00001	.01409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA-6865244 Acquired: 3/9/2022 4:03:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**503.16**	**.00035**	**-.00137**	**.21542**	**-.00104**
Stddev	1.16	.00002	.00002	.01267	.00011
%RSD	.23140	6.1877	1.4978	5.8799	10.239
#1	503.99	.00033	-.00135	.22438	-.00096
#2	502.34	.00036	-.00138	.20647	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**24.84**	W **.01017**	**-.05623**	**.00913**	**.00652**
Stddev	.00	.00147	.00031	.00050	.00482
%RSD	.0007	14.486	.54676	5.4446	74.042
#1	24.84	.00913	-.05645	.00878	.00310
#2	24.84	.01122	-.05602	.00948	.00993
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01000			
Low Limit		-.01000			

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00709**	**-.00208**	**.01323**	**1.077**	**.00209**
Stddev	.00798	.00025	.00011	.005	.00042
%RSD	112.53	11.789	.81276	.4570	20.035
#1	-.00145	-.00226	.01316	1.080	.00239
#2	-.01273	-.00191	.01331	1.073	.00180
Check ?	None	Chk Pass	None	None	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA-6865244 Acquired: 3/9/2022 4:03:43 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	-.00412	-.00186	.00267	1.003
Stddev	.00247	.00042	.00030	.000
%RSD	59.932	22.294	11.361	.0244
#1	-.00587	-.00157	.00246	1.003
#2	-.00237	-.00216	.00289	1.003
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.1	2699.2	24116.	2556.2
Stddev	4.3	4.1	11.	8.2
%RSD	.12747	.15160	.04668	.32002
#1	3347.1	2696.3	24124.	2550.4
#2	3353.1	2702.1	24108.	2562.0

Sample Name: ICSAB-6874819 Acquired: 3/9/2022 4:07:34 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	.57574	481.20	.51948	5.1479	.52330
Stddev	.00128	1.18	.00318	.0020	.00018
%RSD	.22176	.24448	.61159	.03886	.03352
#1	.57665	482.03	.52172	5.1493	.52317
#2	.57484	480.37	.51723	5.1464	.52342
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25315	447.87	.52469	.0154	.47890
Stddev	.00084	3.66	.00019	.0022	.00043
%RSD	.33359	.81726	.03573	14.19	.09070
#1	.25375	445.28	.52456	.0138	.47859
#2	.25256	450.46	.52482	.0169	.47920
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.52064	.50273	193.00	5.5372	.01591
Stddev	.00183	.00061	.47	.0142	.00100
%RSD	.35068	.12124	.24119	.25621	6.3147
#1	.52193	.50230	193.33	5.5472	.01662
#2	.51935	.50316	192.67	5.5272	.01520
Check ?	Chk Pass	Chk Pass	Chk Pass	None	None
Value					
Range					

Sample Name: ICSAB-6874819 Acquired: 3/9/2022 4:07:34 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**497.18**	**.49870**	**.52310**	**5.5230**	**.48310**
Stddev	1.21	.00088	.00094	.0190	.00025
%RSD	.24395	.17670	.17904	.34448	.05226
#1	498.04	.49933	.52376	5.5365	.48327
#2	496.33	.49808	.52244	5.5096	.48292
Check ?	Chk Pass	Chk Pass	None	None	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**27.30**	**.48495**	**-.05675**	**.52211**	**.52305**
Stddev	.00	.00060	.00170	.00091	.00119
%RSD	.0129	.12474	2.9939	.17419	.22704
#1	27.30	.48452	-.05555	.52147	.52389
#2	27.30	.48537	-.05795	.52276	.52222
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**5.1370**	**.46626**	**.50476**	**1.087**	**.48849**
Stddev	.0410	.00035	.00037	.005	.00136
%RSD	.79884	.07495	.07255	.4993	.27867
#1	5.1080	.46651	.50502	1.091	.48753
#2	5.1660	.46601	.50451	1.083	.48945
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: ICSAB-6874819 Acquired: 3/9/2022 4:07:34 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	.49502	.51477	.47750	1.004
Stddev	.00099	.00073	.00265	.002
%RSD	.20025	.14140	.55478	.1758
#1	.49432	.51528	.47937	1.002
#2	.49572	.51425	.47562	1.005
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3331.9	2683.3	23961.	2503.7
Stddev	.6	.4	5.	6.7
%RSD	.01814	.01493	.01906	.26672
#1	3331.5	2683.6	23958.	2508.4
#2	3332.4	2683.0	23965.	2499.0

Sample Name: CCV-6882719 Acquired: 3/9/2022 4:11:18 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0531**	**48.061**	**1.0115**	**1.0652**	**1.0489**
Stddev	.0008	.071	.0025	.0000	.0012
%RSD	.07612	.14729	.25030	.00186	.11279
#1	1.0537	48.111	1.0132	1.0652	1.0480
#2	1.0525	48.011	1.0097	1.0652	1.0497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0294**	**47.606**	**1.0098**	**1.074**	**.96366**
Stddev	.0012	.098	.0007	.073	.00038
%RSD	.11614	.20637	.07145	6.834	.03935
#1	1.0302	47.676	1.0103	1.126	.96339
#2	1.0285	47.537	1.0093	1.022	.96393
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0566**	**.98600**	**52.291**	**53.160**	**1.0600**
Stddev	.0008	.00246	.212	.068	.0012
%RSD	.07864	.24980	.40624	.12703	.11147
#1	1.0572	.98774	52.141	53.112	1.0592
#2	1.0560	.98426	52.441	53.208	1.0609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 4:11:18 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**48.982**	**1.0270**	**1.0834**	**52.013**	**.98105**
Stddev	.053	.0006	.0004	.020	.00038
%RSD	.10831	.05395	.03414	.03932	.03869
#1	49.019	1.0274	1.0837	52.027	.98079
#2	48.944	1.0266	1.0832	51.998	.98132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**38.37**	**.95057**	**23.853**	**1.0096**	**1.0415**
Stddev	.00	.00232	.045	.0025	.0019
%RSD	.0035	.24404	.19034	.24584	.18539
#1	38.37	.94893	23.885	1.0114	1.0429
#2	38.37	.95221	23.821	1.0079	1.0402
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**10.776**	**.93610**	**1.0158**	**1.512**	**.97424**
Stddev	.047	.00056	.0004	.006	.00329
%RSD	.43165	.05947	.03574	.4318	.33797
#1	10.743	.93650	1.0160	1.507	.97657
#2	10.809	.93571	1.0155	1.516	.97191
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: CCV-6882719 Acquired: 3/9/2022 4:11:18 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	1.0292	1.0582	.99318	1.516
Stddev	.0032	.0003	.00298	.002
%RSD	.31586	.02936	.30030	.1130
#1	1.0269	1.0584	.99529	1.515
#2	1.0315	1.0580	.99107	1.517
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3879.9	2950.1	26590.	2574.3
Stddev	6.3	1.0	5.	.8
%RSD	.16152	.03554	.01989	.03080
#1	3884.3	2949.4	26594.	2574.9
#2	3875.4	2950.9	26586.	2573.7

Sample Name: CCB-6880245 Acquired: 3/9/2022 4:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**-.01446**	**.00084**	**.00255**	**-.00012**
Stddev	.00011	.02419	.00027	.00033	.00003
%RSD	30.103	167.32	32.420	12.849	26.346
#1	-.00028	-.03156	.00065	.00278	-.00014
#2	-.00043	.00265	.00104	.00231	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00219**	**-.00008**	**.0137**	**.00002**
Stddev	.00005	.00115	.00002	.0120	.00009
%RSD	175.30	52.588	20.304	87.46	445.65
#1	.00001	.00137	-.00009	.0052	.00008
#2	-.00006	.00300	-.00007	.0222	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00184**	**.00172**	**.00578**	**-.00008**
Stddev	.00027	.00048	.00350	.06601	.00031
%RSD	784.94	26.104	203.36	1143.1	380.83
#1	-.00016	.00150	.00420	.05245	-.00030
#2	.00022	.00218	-.00075	-.04090	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 4:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**-.00014**	**.00147**	**.10959**	**-.00013**
Stddev	.00797	.00004	.00012	.00651	.00013
%RSD	174.81	31.258	8.3849	5.9363	101.23
#1	-.00108	-.00011	.00138	.10499	-.00022
#2	.01019	-.00017	.00156	.11419	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**25.01**	**-.00119**	**-.01203**	**.00295**	**.00069**
Stddev	.00	.00091	.00059	.00026	.00067
%RSD	.0026	76.783	4.9248	8.6712	96.985
#1	25.02	-.00183	-.01161	.00313	.00116
#2	25.01	-.00054	-.01245	.00277	.00022
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.00033**	**-.00006**	**1.002**	**-.00004**
Stddev	.01085	.00033	.00007	.004	.00006
%RSD	503.65	98.385	114.99	.3959	147.64
#1	-.00552	.00057	-.00001	1.005	-.00008
#2	.00982	.00010	-.00010	.9990	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB-6880245 Acquired: 3/9/2022 4:14:51 Type: QC
Method: ICAP2 New stds DEC2019(v866) Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
Units	ppm	ppm	ppm	ppm
Avg	**-.00055**	**-.00026**	**-.00040**	**.9995**
Stddev	.00032	.00007	.00010	.0010
%RSD	57.570	25.333	25.601	.1020
#1	-.00033	-.00031	-.00047	1.000
#2	-.00078	-.00021	-.00032	.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4436.0**	**3045.3**	**27985.**	**2584.8**
Stddev	15.6	10.7	31.	5.8
%RSD	.35267	.35160	.10926	.22314
#1	4425.0	3037.8	28006.	2588.8
#2	4447.1	3052.9	27963.	2580.7

Report Generated By Teledyne Leeman QuickTrace

Analyst: BufHG5

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\L20220308A.wszf

Creation Date: 3/8/2022 12:09:56 PM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
Calibration Blank	STD	03/08/22 01:28:37 pm	0.00	42	18.38	-16.05		1.0000	N/A
Replicates	40.0	31.5	45.5	49.0					
Standard #1 (0.1 ug/L)	STD	03/08/22 01:29:55 pm	0.10	1267	1.89	-4.58		1.0000	N/A
Replicates	1261.7	1293.9	1275.4	1237.2					
Standard #2 (0.5 ug/L)	STD	03/08/22 01:31:13 pm	0.50	6211	0.66	45.09		1.0000	N/A
Replicates	6167.2	6239.5	6251.5	6185.8					
Standard #3 (2.0 ug/L)	STD	03/08/22 01:32:32 pm	2.00	24233	0.79	184.25		1.0000	N/A
Replicates	24127.3	24380.0	24407.5	24017.0					
Standard #4 (10. ug/L)	STD	03/08/22 01:33:51 pm	10.00	116622	0.71	587.39		1.0000	N/A
Replicates	116190.7	117319.2	117315.2	115664.5					
Standard #5 (20. ug/L)	STD	03/08/22 01:35:10 pm	20.00	212539	0.68	-688.70		1.0000	N/A
Replicates	211771.9	213756.5	213743.5	210882.0					

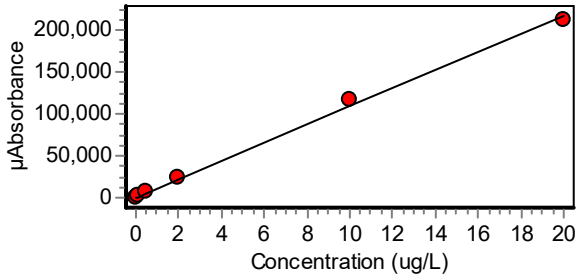
Calibration

Equation: Abs = 10994.626x + 217.982

R2: 0.99726

SEE: 5084.9280

Flags:



ICV	ICV	03/08/22 01:37:14 pm	3.15	34797	0.87			1.0000	104.84
Replicates	34652.2	35006.9	35083.4	34445.6					
ICB	ICB	03/08/22 01:38:32 pm	-0.01	79	19.38			1.0000	N/A
Replicates	87.1	101.7	40.4	88.7					
ICVL	CRDL	03/08/22 01:39:52 pm	0.20	2435	1.16			1.0000	100.84
Replicates	2398.6	2458.6	2442.6	2441.3					
CCV	CCV	03/08/22 01:41:12 pm	2.10	23315	0.78			1.0000	105.04
Replicates	23147.3	23417.0	23514.5	23181.0					
CCB	CCB	03/08/22 01:42:30 pm	-0.01	64	13.55			1.0000	N/A
Replicates	55.3	40.2	89.0	70.7					
MB 480-617100/1-A	UNK	03/08/22 01:43:47 pm	-0.01	108	21.14			1.0000	N/A
Replicates	126.1	122.6	109.9	75.4					
LCS 480-617100/2-A	UNK	03/08/22 01:45:05 pm	4.20	46375	0.77			1.0000	N/A
Replicates	46082.1	46629.5	46729.5	46058.0					

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-195430-C-1-B					UNK	03/08/22 01:46:22 pm	-0.01	73	6.53			1.0000	N/A
Replicates	68.0	78.7	83.9	63.4									
480-195430-C-2-B					UNK	03/08/22 01:47:40 pm	-0.01	92	9.91			1.0000	N/A
Replicates	87.2	104.0	76.0	99.0									
480-195430-C-3-B					UNK	03/08/22 01:48:58 pm	-0.01	84	10.27			1.0000	N/A
Replicates	90.7	99.2	76.7	68.5									
480-195430-C-4-D					UNK	03/08/22 01:50:16 pm	-0.01	98	20.21			1.0000	N/A
Replicates	116.2	92.6	116.4	65.1									
480-195430-C-4-D sd@5					UNK	03/08/22 01:51:34 pm	0.04	699	3.56			1.0000	N/A
Replicates	684.4	704.2	721.2	687.0									
480-195430-C-4-E MS					UNK	03/08/22 01:52:52 pm	4.16	45977	0.73			1.0000	N/A
Replicates	45674.1	46206.3	46323.1	45703.1									
480-195430-C-4-F MSD					UNK	03/08/22 01:54:11 pm	4.21	46507	0.76			1.0000	N/A
Replicates	46177.4	46757.8	46857.5	46237.3									
480-195431-C-3-C					UNK	03/08/22 01:55:29 pm	-0.01	79	17.76			1.0000	N/A
Replicates	110.8	86.8	62.1	57.6									
CCV					CCV	03/08/22 01:56:49 pm	2.12	23484	0.68			1.0000	105.81
Replicates	23363.1	23595.8	23643.0	23334.8									
CCB					CCB	03/08/22 01:58:07 pm	-0.01	82	14.84			1.0000	N/A
Replicates	106.7	84.8	80.8	57.6									
480-195460-C-1-B					UNK	03/08/22 01:59:26 pm	-0.01	87	20.31			1.0000	N/A
Replicates	126.4	75.1	75.8	69.3									
480-195460-C-2-B					UNK	03/08/22 02:00:45 pm	-0.01	81	8.41			1.0000	N/A
Replicates	69.4	92.7	72.0	88.0									
480-195460-C-3-B					UNK	03/08/22 02:02:02 pm	-0.01	92	14.20			1.0000	N/A
Replicates	89.2	101.6	68.9	109.9									
480-195460-C-5-B					UNK	03/08/22 02:03:19 pm	-0.01	81	20.47			1.0000	N/A
Replicates	107.3	89.3	41.5	86.8									
480-195460-C-6-B					UNK	03/08/22 02:04:38 pm	-0.01	94	25.34			1.0000	N/A
Replicates	64.7	132.2	107.7	73.2									
480-195460-C-7-B					UNK	03/08/22 02:05:56 pm	-0.01	81	12.14			1.0000	N/A
Replicates	71.0	62.3	95.8	93.8									
480-195469-D-1-E					UNK	03/08/22 02:07:13 pm	-0.01	98	18.78			1.0000	N/A
Replicates	123.5	107.3	71.5	88.3									
480-195469-D-2-C					UNK	03/08/22 02:08:31 pm	-0.01	114	19.92			1.0000	N/A
Replicates	89.5	128.8	133.5	104.8									
480-195469-D-3-C					UNK	03/08/22 02:09:50 pm	0.00	171	42.16			1.0000	N/A
Replicates	177.0	184.4	181.6	142.1									

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-195469-D-4-C					UNK	03/08/22 02:11:08 pm	0.00	216	522.07			1.0000	N/A
	Replicates	209.8	228.5	218.3	208.3								
CCV					CCV	03/08/22 02:12:28 pm	2.07	23000	0.87			1.0000	103.60
	Replicates	22806.1	23154.4	23187.9	22850.9								
CCB					CCB	03/08/22 02:13:45 pm	-0.01	60	6.08			1.0000	N/A
	Replicates	69.0	67.5	50.5	53.0								
480-195469-D-5-C					UNK	03/08/22 02:15:04 pm	0.03	533	3.30			1.0000	N/A
	Replicates	532.6	544.9	519.9	536.4								
480-195469-D-6-C					UNK	03/08/22 02:16:23 pm	0.03	574	4.15			1.0000	N/A
	Replicates	561.2	572.1	568.4	595.4								
480-195477-A-1-B					UNK	03/08/22 02:17:41 pm	-0.01	74	9.65			1.0000	N/A
	Replicates	93.0	61.5	66.5	76.3								
480-195477-A-2-B					UNK	03/08/22 02:19:00 pm	-0.01	96	11.51			1.0000	N/A
	Replicates	110.2	77.8	94.1	103.3								
480-195477-A-3-B					UNK	03/08/22 02:20:18 pm	-0.01	95	5.10			1.0000	N/A
	Replicates	89.9	102.9	89.4	95.7								
MB 480-617101/1-A					UNK	03/08/22 02:21:35 pm	-0.01	117	14.06			1.0000	N/A
	Replicates	111.9	128.2	128.7	99.2								
LCS 480-617101/2-A					UNK	03/08/22 02:22:53 pm	4.09	45159	0.77			1.0000	N/A
	Replicates	44888.6	45422.6	45487.6	44835.6								
480-195477-A-4-B					UNK	03/08/22 02:24:11 pm	-0.01	82	2.61			1.0000	N/A
	Replicates	84.6	83.0	84.7	77.2								
480-195493-D-1-B					UNK	03/08/22 02:25:29 pm	0.00	247	74.08			1.0000	N/A
	Replicates	254.4	272.5	234.8	224.8								
480-195516-C-1-C					UNK	03/08/22 02:26:47 pm	-0.01	82	4.88			1.0000	N/A
	Replicates	74.4	87.6	87.6	78.6								
CCV					CCV	03/08/22 02:28:06 pm	2.08	23041	0.74			1.0000	103.79
	Replicates	22879.4	23127.4	23234.6	22923.4								
CCB					CCB	03/08/22 02:29:24 pm	-0.01	68	11.96			1.0000	N/A
	Replicates	53.2	82.4	84.9	52.2								
480-195516-C-2-E					UNK	03/08/22 02:30:42 pm	-0.01	87	3.70			1.0000	N/A
	Replicates	94.2	85.0	84.7	84.0								
480-195516-C-3-C					UNK	03/08/22 02:32:01 pm	-0.01	77	17.01			1.0000	N/A
	Replicates	98.9	81.5	42.5	83.7								
480-195516-C-4-C					UNK	03/08/22 02:33:19 pm	-0.01	84	24.70			1.0000	N/A
	Replicates	70.3	131.9	78.1	56.4								
480-195516-C-5-C					UNK	03/08/22 02:34:38 pm	-0.01	72	14.24			1.0000	N/A
	Replicates	82.1	93.4	68.6	45.1								

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-195516-C-6-C					UNK	03/08/22 02:35:56 pm	-0.02	48	14.24			1.0000	N/A
Replicates	78.6	20.5	52.5	42.2									
480-195516-C-7-C					UNK	03/08/22 02:37:15 pm	-0.01	91	29.43			1.0000	N/A
Replicates	101.4	139.2	56.7	66.9									
480-195431-C-1-E					UNK	03/08/22 02:38:33 pm	-0.01	75	15.19			1.0000	N/A
Replicates	107.5	62.6	69.3	62.1									
480-195431-C-2-C					UNK	03/08/22 02:39:51 pm	-0.01	103	11.43			1.0000	N/A
Replicates	116.7	99.2	86.4	109.4									
480-195485-C-1-E					UNK	03/08/22 02:41:08 pm	-0.01	65	12.92			1.0000	N/A
Replicates	60.0	46.1	92.8	61.3									
480-195485-C-2-E					UNK	03/08/22 02:42:26 pm	-0.01	72	18.53			1.0000	N/A
Replicates	77.4	45.3	107.3	57.6									
CCV					CCV	03/08/22 02:43:46 pm	2.09	23218	0.73			1.0000	104.60
Replicates	23065.7	23320.9	23400.4	23083.9									
CCB					CCB	03/08/22 02:45:04 pm	-0.01	89	15.65			1.0000	N/A
Replicates	109.6	99.6	63.3	84.3									
480-195485-C-3-C					UNK	03/08/22 02:46:21 pm	-0.01	91	12.34			1.0000	N/A
Replicates	99.5	108.7	81.0	75.2									
480-195485-C-4-C					UNK	03/08/22 02:47:39 pm	-0.01	78	2.61			1.0000	N/A
Replicates	76.2	73.4	80.1	81.4									
480-195485-C-4-C sd@5					UNK	03/08/22 02:48:58 pm	0.04	705	5.81			1.0000	N/A
Replicates	695.0	685.8	746.8	691.3									
480-195485-C-4-D MS					UNK	03/08/22 02:50:16 pm	4.10	45329	0.75			1.0000	N/A
Replicates	44955.2	45493.9	45713.4	45153.9									
480-195485-C-4-E MSD					UNK	03/08/22 02:51:34 pm	4.19	46280	0.77			1.0000	N/A
Replicates	45920.0	46500.0	46657.8	46041.5									
480-195485-C-5-C					UNK	03/08/22 02:52:53 pm	-0.01	81	16.77			1.0000	N/A
Replicates	80.6	56.1	111.6	76.1									
480-195485-C-6-C					UNK	03/08/22 02:54:12 pm	-0.01	68	22.42			1.0000	N/A
Replicates	100.1	87.2	61.4	23.9									
CCV					CCV	03/08/22 02:55:32 pm	2.05	22756	0.74			1.0000	102.50
Replicates	22572.0	22850.4	22935.4	22666.6									
CCB					CCB	03/08/22 02:56:49 pm	-0.02	46	4.11			1.0000	N/A
Replicates	40.6	56.1	41.6	45.8									
CCVL					CRDL	03/08/22 02:58:09 pm	0.19	2352	0.69			1.0000	97.03
Replicates	2372.0	2350.9	2337.7	2345.4									
LB 480-617049/1-C					UNK	03/08/22 02:59:28 pm	-0.02	53	13.42			1.0000	N/A
Replicates	75.6	39.2	66.9	28.9									

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
MB 480-617105/2-A					UNK	03/08/22 03:00:46 pm	-0.01	70	10.43			1.0000	N/A
Replicates	71.0	72.1	48.9	86.4									
LCS 480-617105/3-A					UNK	03/08/22 03:02:04 pm	4.23	46686	0.72			1.0000	N/A
Replicates	46400.9	46908.1	47036.4	46398.4									
480-195518-A-29-E					UNK	03/08/22 03:03:22 pm	-0.01	76	3.90			1.0000	N/A
Replicates	82.5	77.4	75.6	69.1									
480-195518-A-29-E sd@5					UNK	03/08/22 03:04:40 pm	0.05	714	2.19			1.0000	N/A
Replicates	708.5	715.3	729.3	704.5									
480-195518-A-29-F MS					UNK	03/08/22 03:05:58 pm	3.29	36418	0.84			1.0000	N/A
Replicates	36124.7	36612.4	36740.4	36194.1									
480-195518-A-29-G MSD					UNK	03/08/22 03:07:16 pm	3.30	36549	0.83			1.0000	N/A
Replicates	36251.9	36752.6	36860.4	36331.6									
LB 480-616935/1-E					UNK	03/08/22 03:08:34 pm	-0.01	87	17.78			1.0000	N/A
Replicates	106.0	67.6	66.9	108.9									
MB 480-617106/2-A					UNK	03/08/22 03:09:52 pm	-0.01	90	15.22			1.0000	N/A
Replicates	77.8	69.5	108.0	105.5									
LCS 480-617106/3-A					UNK	03/08/22 03:11:11 pm	4.13	45601	0.88			1.0000	N/A
Replicates	45163.5	45862.3	46007.5	45371.5									
CCV					CCV	03/08/22 03:12:31 pm	2.05	22807	0.72			1.0000	102.73
Replicates	22648.4	22911.6	22978.8	22690.1									
CCB					CCB	03/08/22 03:13:49 pm	-0.01	55	10.04			1.0000	N/A
Replicates	61.8	54.4	71.7	33.2									
480-195286-B-1-F					UNK	03/08/22 03:15:07 pm	-0.01	62	6.01			1.0000	N/A
Replicates	67.4	72.2	53.2	54.7									
480-195466-A-9-F					UNK	03/08/22 03:16:26 pm	-0.01	86	20.14			1.0000	N/A
Replicates	114.7	89.6	88.3	50.1									
480-195466-A-10-F					UNK	03/08/22 03:17:45 pm	-0.01	67	13.55			1.0000	N/A
Replicates	44.1	88.3	79.8	56.3									
480-195483-A-1-H					UNK	03/08/22 03:19:03 pm	-0.01	109	8.35			1.0000	N/A
Replicates	114.7	101.8	119.6	101.8									
480-195483-A-1-H sd@5					UNK	03/08/22 03:20:21 pm	0.05	735	4.04			1.0000	N/A
Replicates	765.2	729.0	725.7	718.5									
480-195483-A-1-I MS					UNK	03/08/22 03:21:39 pm	3.69	40802	0.79			1.0000	N/A
Replicates	40548.0	41040.9	41112.4	40506.9									
480-195483-A-1-J MSD					UNK	03/08/22 03:22:57 pm	3.70	40866	0.81			1.0000	N/A
Replicates	40560.8	41108.1	41188.1	40608.6									
480-195483-A-2-F					UNK	03/08/22 03:24:16 pm	-0.01	117	19.20			1.0000	N/A
Replicates	119.4	97.5	109.3	143.0									

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
LB 480-616934/1-B					UNK	03/08/22 03:25:34 pm	-0.01	65	8.16			1.0000	N/A
	Replicates	72.8	76.0	62.5	48.3								
MB 480-617108/2-A					UNK	03/08/22 03:26:52 pm	-0.01	89	25.20			1.0000	N/A
	Replicates	119.5	113.1	72.9	51.9								
CCV					CCV	03/08/22 03:28:12 pm	2.06	22916	0.89			1.0000	103.22
	Replicates	22721.5	23064.3	23114.1	22762.6								
CCB					CCB	03/08/22 03:29:30 pm	-0.02	47	8.44			1.0000	N/A
	Replicates	51.4	62.3	27.8	48.1								
LCS 480-617108/3-A					UNK	03/08/22 03:30:48 pm	4.14	45760	0.79			1.0000	N/A
	Replicates	45517.3	46005.9	46121.9	45394.6								
480-195382-A-1-F					UNK	03/08/22 03:32:06 pm	-0.01	63	6.31			1.0000	N/A
	Replicates	54.2	75.9	64.4	56.4								
480-195518-A-16-B					UNK	03/08/22 03:33:25 pm	-0.01	89	4.89			1.0000	N/A
	Replicates	81.8	91.7	86.7	96.4								
480-195518-A-17-B					UNK	03/08/22 03:34:44 pm	-0.01	120	16.86			1.0000	N/A
	Replicates	122.2	112.7	103.0	141.7								
480-195518-A-18-C					UNK	03/08/22 03:36:03 pm	-0.01	109	22.27			1.0000	N/A
	Replicates	128.4	130.5	91.5	83.8								
480-195518-A-18-C sd@5					UNK	03/08/22 03:37:21 pm	0.04	668	2.44			1.0000	N/A
	Replicates	672.2	655.8	681.3	663.8								
480-195518-A-18-D MS					UNK	03/08/22 03:38:39 pm	3.51	38811	0.72			1.0000	N/A
	Replicates	38535.6	38965.5	39120.7	38623.0								
480-195518-B-18-B MSD					UNK	03/08/22 03:39:57 pm	3.48	38477	0.74			1.0000	N/A
	Replicates	38154.2	38605.3	38800.0	38349.5								
480-195518-A-19-B					UNK	03/08/22 03:41:16 pm	-0.01	129	19.20			1.0000	N/A
	Replicates	126.3	108.7	150.2	131.2								
480-195518-A-20-B					UNK	03/08/22 03:42:34 pm	-0.01	91	8.09			1.0000	N/A
	Replicates	93.8	85.3	81.1	104.3								
CCV					CCV	03/08/22 03:43:54 pm	2.08	23076	0.85			1.0000	103.95
	Replicates	22908.6	23195.3	23289.3	22912.6								
CCB					CCB	03/08/22 03:45:11 pm	-0.01	62	15.46			1.0000	N/A
	Replicates	72.6	89.0	33.7	51.5								
480-195518-A-21-B					UNK	03/08/22 03:46:30 pm	-0.01	107	12.14			1.0000	N/A
	Replicates	108.7	125.0	102.8	93.0								
480-195518-B-22-B					UNK	03/08/22 03:47:48 pm	-0.01	101	8.95			1.0000	N/A
	Replicates	101.9	92.4	115.4	94.2								
480-195518-A-23-B					UNK	03/08/22 03:49:06 pm	-0.01	96	7.48			1.0000	N/A
	Replicates	105.5	97.7	83.5	96.5								

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-195518-B-24-B					UNK	03/08/22 03:50:24 pm	-0.01	125	24.11			1.0000	N/A
	Replicates	109.1	157.7	112.0	121.7								
480-195518-B-25-B					UNK	03/08/22 03:51:43 pm	-0.01	86	6.94			1.0000	N/A
	Replicates	91.0	89.4	90.9	72.1								
480-195518-A-26-B					UNK	03/08/22 03:53:02 pm	-0.01	129	13.41			1.0000	N/A
	Replicates	130.3	144.1	125.4	115.4								
480-195518-A-27-B					UNK	03/08/22 03:54:21 pm	-0.01	110	16.74			1.0000	N/A
	Replicates	129.7	106.2	116.5	86.7								
480-195518-A-28-B					UNK	03/08/22 03:55:39 pm	-0.01	107	24.32			1.0000	N/A
	Replicates	116.5	133.7	108.4	69.9								
480-195518-A-30-B					UNK	03/08/22 03:56:58 pm	-0.01	119	17.12			1.0000	N/A
	Replicates	111.2	135.7	129.7	98.7								
CCV					CCV	03/08/22 03:58:17 pm	2.07	22954	0.88			1.0000	103.39
	Replicates	22738.9	23050.5	23184.0	22840.8								
CCB					CCB	03/08/22 03:59:35 pm	-0.01	71	7.98			1.0000	N/A
	Replicates	83.0	73.1	72.9	54.9								
CCVL					CRDL	03/08/22 04:00:55 pm	0.19	2352	1.15			1.0000	97.04
	Replicates	2324.4	2362.5	2380.0	2340.5								

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 480-616935/1		1311, 3010A, 6010C			2000 mL				
480-195466-A-9	LF1	1311, 3010A, 6010C	P	100.56 g	2000 mL	5.21 g	96.5 mL	8.70 SU	3.5
480-195466-A-10	LF2	1311, 3010A, 6010C	P	100.41 g	2000 mL	5.11 g	96.5 mL	8.74 SU	3.5

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	ExtractionFluidOne	ExtractionFluidTwo	VesselNumber	FiltCompDate
LB 480-616935/1		1311, 3010A, 6010C				Yes	No	15	3/8/22
480-195466-A-9	LF1	1311, 3010A, 6010C	P	Yes	2.30 SU	Yes	No	19	3/8/22
480-195466-A-10	LF2	1311, 3010A, 6010C	P	Yes	2.53 SU	Yes	No	20	3/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	LeachVolume	TCLP%Solids	ExtractFluid	
LB 480-616935/1		1311, 3010A, 6010C		8:44	4.86 SU	1250/750 mL	Yes %	One	
480-195466-A-9	LF1	1311, 3010A, 6010C	P	8:44	6.07 SU	1000/225 mL	Yes %	One	
480-195466-A-10	LF2	1311, 3010A, 6010C	P	8:44	6.15 SU	1000/400 mL	Yes %	One	

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Hot Plate ID	1714070904915; Hot Plate Thermometer ID; 170102499
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Tumbler Rotations per Minute	28 RPM, Tumbler #1 JP
Balance ID	Balance-6
pH Meter ID	K00599
pH Meter Calibration Slope	97.9%
Room Temperature Thermometer ID	12227689
TCLP Fluid 1 ID	6885567
TCLP Fluid 1 pH	4.89 JP
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
1N HCl ID	6120199
Filter ID	400192-1362-T
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
Uncorrected Minimum Temperature	23.6 Degrees C
Minimum Temperature	23.5 Degrees C
Bottle Lot ID	0206901C
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617104 Batch Start Date: 03/08/22 11:10 Batch Analyst: Proulx, Katelyn M

Batch Method: 3010A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MED_TCLP 00024	MEH_HG_TCLP_W 00157		
LB 480-616935/1-A		3010A, 6010C		50 mL	50 mL				
MB 480-617104/2		3010A, 6010C		50 mL	50 mL				
LCS 480-617104/3		3010A, 6010C		50 mL	50 mL	0.25 mL	0.25 mL		
480-195466-A-9-A	LF1	3010A, 6010C	P	50 mL	50 mL				
480-195466-A-10-A	LF2	3010A, 6010C	P	50 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	2111109
Analyst ID - Spike Analyst	KP
Hydrochloric Acid ID	6881632
Nitric Acid ID	6874361
Digestion Unit ID	E
Thermometer ID	210702965
Thermometer Location ID	E1
Temperature - Uncorrected - Start	97.2 Degrees C
Temperature - Corrected - Start	97.2 Degrees C
Digestion Start Time	03/08/2022 11:10
Digestion End Time	03/08/2022 15:53
Temperature - Uncorrected - End	93.1 Degrees C
Temperature - Corrected - End	93.1 Degrees C
Batch Comment	Spiked and preserved 3/8/2022 at 1050

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeight	EFD_VolumeWaterAdd	EFD_InitialpH	EFD_AddHClpH>5
LB 480-616935/1		1311, 7470A, 7470A			2000 mL				
480-195466-A-9	LF1	1311, 7470A, 7470A	P	100.56 g	2000 mL	5.21 g	96.5 mL	8.70 SU	3.5
480-195466-A-10	LF2	1311, 7470A, 7470A	P	100.41 g	2000 mL	5.11 g	96.5 mL	8.74 SU	3.5

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHCheck	ExtractionFluidOne	ExtractionFluidTwo	VesselNumber	FiltCompDate
LB 480-616935/1		1311, 7470A, 7470A				Yes	No	15	3/8/22
480-195466-A-9	LF1	1311, 7470A, 7470A	P	Yes	2.30 SU	Yes	No	19	3/8/22
480-195466-A-10	LF2	1311, 7470A, 7470A	P	Yes	2.53 SU	Yes	No	20	3/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	LeachVolume	TCLP%Solids	ExtractFluid	
LB 480-616935/1		1311, 7470A, 7470A		8:44	4.86 SU	1250/750 mL	Yes %	One	
480-195466-A-9	LF1	1311, 7470A, 7470A	P	8:44	6.07 SU	1000/225 mL	Yes %	One	
480-195466-A-10	LF2	1311, 7470A, 7470A	P	8:44	6.15 SU	1000/400 mL	Yes %	One	

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616935 Batch Start Date: 03/07/22 08:29 Batch Analyst: Pollock, Jacob M

Batch Method: 1311 Batch End Date:

Batch Notes	
Hot Plate ID	1714070904915; Hot Plate Thermometer ID; 170102499
Thermometer ID	Room Min/Max Thermometer; 12227689
First Start time	15:07
First End time	7:08
Tumbler Rotations per Minute	28 RPM, Tumbler #1 JP
Balance ID	Balance-6
pH Meter ID	K00599
pH Meter Calibration Slope	97.9%
Room Temperature Thermometer ID	12227689
TCLP Fluid 1 ID	6885567
TCLP Fluid 1 pH	4.89 JP
pH Buffer 1 ID	6847164(10)
pH Buffer 2 ID	6847165(7) Second Source 6859677(6.98)
pH Buffer 3 ID	6859671(4)
pH Buffer 4 ID	6847163(2)
1N HCl ID	6120199
Filter ID	400192-1362-T
Uncorrected Maximum Temperature	25.6 Degrees C
Maximum Temperature	25.5 Degrees C
Uncorrected Minimum Temperature	23.6 Degrees C
Minimum Temperature	23.5 Degrees C
Bottle Lot ID	0206901C
Batch Comment	Hot Plate Correction Factor: -2 Degree C, Observed Temp 52 degree C, Correction Temp. 50 Degree 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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617106 Batch Start Date: 03/08/22 11:29 Batch Analyst: Booth, Bryan M

Batch Method: 7470A Batch End Date: 03/08/22 13:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG_TCLP_W 00157			
LB 480-616935/1-A		7470A, 7470A		30 mL	50 mL				
MB 480-617106/2		7470A, 7470A		30 mL	50 mL				
LCS 480-617106/3		7470A, 7470A		30 mL	50 mL	0.15 mL			
480-195466-A-9-A	LF1	7470A, 7470A	P	30 mL	50 mL				
480-195466-A-10-A	LF2	7470A, 7470A	P	30 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	2008043
Pipette/Syringe/Dispenser ID	Hg 8
Analyst ID - Spike Analyst	NK
Sufficient Volume for Batch QC	Yes
Nitric Acid ID	6859414
Sulfuric Acid ID	6854741
Potassium Permanganate ID	6871005
Potassium Persulfate ID	6871001
Digestion Unit ID	HG-C
Thermometer ID	170435802
Temperature - Uncorrected - Start	92.1 Degrees C
Temperature - Corrected - Start	93.1 Degrees C
Digestion Start Time	1129
Digestion End Time	1329
Temperature - Uncorrected - End	92.3 Degrees C
Temperature - Corrected - End	93.3 Degrees C
Hydroxylamine ID	6866891
Batch Comment	spiked and preserved at on 3/8/22 @ 1050

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG No.:

Project: Project # 18-046 - Lakeside Village Apts

Client Sample ID	Lab Sample ID
SB201 (1.8-2.3)	480-195466-1
SB201 (6-6.5)	480-195466-2
SB202 (2-2.5)	480-195466-3
SB202 (6-6.5)	480-195466-4
SB203 (2-2.5)	480-195466-5
SB203 (5-5.5)	480-195466-6
SB204 (2.75-3.2)	480-195466-7
SB204 (5.5-6.0)	480-195466-8
LF1	480-195466-9
LF2	480-195466-10
LF1	480-195466-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:15
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Reactive	ND	10	10	mg/Kg			1	9012
	Sulfide, Reactive	ND	10	10	mg/Kg			1	9034

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1
Lab Sample ID: 480-195466-9
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:15
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Flashpoint	>175	50.0		Degrees F			1	1010A
	pH	8.8	0.1		SU		HF	1	9045D
	Temperature	19.8	0.001		Degrees C		HF	1	9045D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:25
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Reactive	ND	10	10	mg/Kg			1	9012
	Sulfide, Reactive	ND	10	10	mg/Kg			1	9034

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF2
Lab Sample ID: 480-195466-10
Lab Name: Eurofins Buffalo
Job No.: 480-195466-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/02/2022 14:25
Reporting Basis: WET
Date Received: 03/03/2022 13:35

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Flashpoint	>175	50.0		Degrees F			1	1010A
	pH	9.2	0.1		SU		HF	1	9045D
	Temperature	19.9	0.001		Degrees C		HF	1	9045D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: JGO Batch Start Date: 03/04/2022

Reporting Units: mg/L Analytical Batch No.: 616868

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	15:16	Cyanide, Reactive	ND	0.250	96	10-110		CN CCV_01653
2	CCB	15:17	Cyanide, Reactive	ND					
10	CCV	15:29	Cyanide, Reactive	ND	0.250	96	10-110		CN CCV_01653
11	CCB	15:30	Cyanide, Reactive	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: JGO Batch Start Date: 03/04/2022

Reporting Units: mg/L Analytical Batch No.: 616861

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	14:51	Sulfide, Reactive	ND	8.80	96	90-110		Sulfide CCV_00773
2	CCB	14:51	Sulfide, Reactive	ND					
9	CCV	14:51	Sulfide, Reactive	ND	8.80	100	90-110		Sulfide CCV_00773
10	CCB	14:51	Sulfide, Reactive	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: EJL Batch Start Date: 03/08/2022

Reporting Units: Degrees F Analytical Batch No.: 617220

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	CCV	18:32	Flashpoint	80.00	81.0	99	97.5-102.5		P-Xylene_00100

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: EJL Batch Start Date: 03/09/2022

Reporting Units: Degrees F Analytical Batch No.: 617344

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	CCV	16:08	Flashpoint	81.00	81.0	100	97.5-102.5		P-Xylene_00100

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: CSS Batch Start Date: 03/05/2022

Reporting Units: Degrees C Analytical Batch No.: 616897

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	CCV	17:40	Temperature	21.2					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Analyst: CSS Batch Start Date: 03/05/2022

Reporting Units: SU Analytical Batch No.: 616897

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	CCV	17:40	pH	7.0	7.00	100	99-101		7.0 BufferICV 00329

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 616868	Date: 03/04/2022 15:18	Prep Batch: 616843	Date: 03/04/2022 13:25				
9012	MB 480-616843/1-A	Cyanide, Reactive	ND		mg/Kg	10.0	1
Batch ID: 616861	Date: 03/04/2022 14:51	Prep Batch: 616847	Date: 03/04/2022 13:25				
9034	MB 480-616847/1-A	Sulfide, Reactive	ND		mg/Kg	10.0	1

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 616897 Date: 03/05/2022 17:40								
9045D	LF1	480-195466-9	pH	8.8	SU			
9045D	LF1	480-195466-9 DU	pH	8.9	SU	0.2	5	
9045D	LF1	480-195466-9	Temperature	19.8	Degrees C			
9045D	LF1	480-195466-9 DU	Temperature	19.8	Degrees C	0	10	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 617220	Date: 03/08/2022 18:32										
						LCS Source: P-Xylene_00100					
1010A	LCS 480-617220/1	Flashpoint	79.00		Degrees F	81.0	98	97.5-10 2.5			
Batch ID: 617344	Date: 03/09/2022 16:08										
						LCS Source: P-Xylene_00100					
1010A	LCS 480-617344/1	Flashpoint	82.00		Degrees F	81.0	101	97.5-10 2.5			
Batch ID: 616868	Date: 03/04/2022 15:20	Prep Batch: 616843	Date: 03/04/2022 13:25								
						LCS Source: WCFreeCN_STK_00071					
9012	LCS 480-616843/2-A	Cyanide, Reactive	271.3		mg/Kg	1000	27	10-100			
Batch ID: 616861	Date: 03/04/2022 14:51	Prep Batch: 616847	Date: 03/04/2022 13:25								
						LCS Source: Sulfide LCS_00845					
9034	LCS 480-616847/2-A	Sulfide, Reactive	641.2		mg/Kg	1320	49	10-100			
Batch ID: 616897	Date: 03/05/2022 17:40										
						LCS Source: 7.0 BufferICV_00329					
9045D	LCS 480-616897/1	pH	7.0		SU	7.00	100	99-101			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: LACHAT2

Method: 9012 MDL Date: 07/14/2015 10:30

Prep Method: 7.3.3

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Cyanide, Reactive		10	10

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: LACHAT2

Method: 9012 XMDL Date: 07/14/2015 10:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Reactive		10	10

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 9034 MDL Date: 07/14/2015 10:35

Prep Method: 7.3.4

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Sulfide, Reactive		10	10

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 9034 XMDL Date: 07/14/2015 10:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide, Reactive		10	10

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Flashpoint 1

Method: 1010A RL Date: 08/17/2009 09:26

Analyte	Wavelength/ Mass	RL (Degrees F)	
Flashpoint		50	

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Flashpoint 1

Method: 1010A XRL Date: 08/17/2009 09:27

Analyte	Wavelength/ Mass	XRL (Degrees F)	
Flashpoint		50	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Balance-17

Method: 9045D RL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	RL (Degrees C)	
Temperature		0.001	

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Balance-17

Method: 9045D XRL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	XRL (Degrees C)	
Temperature		0.001	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Balance-17

Method: 9045D RL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	RL (SU)	
pH		0.1	

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: Balance-17

Method: 9045D XRL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-195466-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

FORM IX - IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Prep Method: 7.3.3

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-616843/1-A	03/04/2022 13:25	616843		10	500
LCS 480-616843/2-A	03/04/2022 13:25	616843		10	500
480-195466-9	03/04/2022 13:25	616843	10.0088		500
480-195466-10	03/04/2022 13:25	616843	10.0120		500

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Prep Method: 7.3.4

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-616847/1-A	03/04/2022 13:25	616847		10	500
LCS 480-616847/2-A	03/04/2022 13:25	616847		10	500
480-195466-9	03/04/2022 13:25	616847	10.0088		500
480-195466-10	03/04/2022 13:25	616847	10.0120		500

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: LACHAT2 Method: 9012

Start Date: 03/04/2022 15:16 End Date: 03/04/2022 15:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				CNReac																			
CCV 480-616868/1	1		15:16	X																			
CCB 480-616868/2	1		15:17	X																			
MB 480-616843/1-A	1	T	15:18	X																			
LCS 480-616843/2-A	25	T	15:20	X																			
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
ZZZZZZ			15:24																				
480-195466-9	1	T	15:26	X																			
480-195466-10	1	T	15:27	X																			
CCV 480-616868/10	1		15:29	X																			
CCB 480-616868/11	1		15:30	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: NOEQUIP Method: 9034

Start Date: 03/04/2022 14:51 End Date: 03/04/2022 14:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2Reac																			
CCV 480-616861/1	1		14:51	X																			
CCB 480-616861/2	1		14:51	X																			
MB 480-616847/1-A	1	T	14:51	X																			
LCS 480-616847/2-A	1	T	14:51	X																			
ZZZZZZ			14:51																				
ZZZZZZ			14:51																				
480-195466-9	1	T	14:51	X																			
480-195466-10	1	T	14:51	X																			
CCV 480-616861/9	1		14:51	X																			
CCB 480-616861/10	1		14:51	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: Flashpoint 1 Method: 1010A

Start Date: 03/08/2022 18:32 End Date: 03/08/2022 18:32

Lab Sample ID	D/F	Type	Time	Analytes																			
				FP																			
LCS 480-617220/1	1	T	18:32	X																			
ZZZZZZ			18:32																				
ZZZZZZ			18:32																				
ZZZZZZ			18:32																				
480-195466-9	1	T	18:32	X																			
ZZZZZZ			18:32																				
CCV 480-617220/7	1		18:32	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: Flashpoint 1 Method: 1010A

Start Date: 03/09/2022 16:08 End Date: 03/09/2022 16:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				FP																			
LCS 480-617344/1	1	T	16:08	X																			
ZZZZZZ			16:08																				
ZZZZZZ			16:08																				
ZZZZZZ			16:08																				
480-195466-10	1	T	16:08	X																			
CCV 480-617344/6	1		16:08	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: Balance-17 Method: 9045D

Start Date: 03/05/2022 17:40 End Date: 03/05/2022 17:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH	Temp																		
LCS 480-616897/1	1	T	17:40	X	X																		
480-195466-9	1	T	17:40	X	X																		
480-195466-9 DU	1	T	17:40	X	X																		
480-195466-10	1	T	17:40	X	X																		
ZZZZZZ			17:40																				
ZZZZZZ			17:40																				
CCV 480-616897/7	1		17:40	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/03/2022 18:59 End Date: 03/03/2022 18:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
480-195466-1	1	T	18:59	X	X																		
480-195466-2	1	T	18:59	X	X																		
480-195466-3	1	T	18:59	X	X																		
480-195466-4	1	T	18:59	X	X																		
480-195466-5	1	T	18:59	X	X																		
480-195466-6	1	T	18:59	X	X																		
480-195466-7	1	T	18:59	X	X																		
480-195466-8	1	T	18:59	X	X																		
480-195466-11	1	T	18:59	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/08/2022 16:35 End Date: 03/08/2022 16:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
480-195466-9	1	T	16:35	X	X																		
480-195466-10	1	T	16:35	X	X																		
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
ZZZZZZ			16:35																				
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ZZZZZZ			16:35																				
ZZZZZZ			16:35																				

Prep Types
T = Total/NA

General Chemistry Raw Data Report

Job ID: 480-195466-1

Batch: 616868 — Analyst Initials: JGO
Method: 9012 — Instrument: Lachat QuickChem 8500

Lab Sample ID: CCV 480-616868/1 — Analysis Date: Mar 04, 2022 15:16

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	0.241	mg/Kg	5 mL	5 mL

Lab Sample ID: CCB 480-616868/2 — Analysis Date: Mar 04, 2022 15:17

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	-7.04e-4	mg/Kg	5 mL	5 mL

Lab Sample ID: MB 480-616843/1-A — Analysis Date: Mar 04, 2022 15:18

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	-1.68e-3	mg/Kg	10 mL	500 mL

Lab Sample ID: LCS 480-616843/2-A — Analysis Date: Mar 04, 2022 15:20

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	25	0.217	mg/Kg	10 mL	500 mL

Lab Sample ID: 480-195466-B-9-A — Analysis Date: Mar 04, 2022 15:26

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	-1.70e-3	mg/Kg	10.0088 g	500 mL

Lab Sample ID: 480-195466-B-10-A — Analysis Date: Mar 04, 2022 15:27

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	-8.74e-4	mg/Kg	10.0120 g	500 mL

Lab Sample ID: CCV 480-616868/10 — Analysis Date: Mar 04, 2022 15:29

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	0.240	mg/Kg	5 mL	5 mL

Lab Sample ID: CCB 480-616868/11 — Analysis Date: Mar 04, 2022 15:30

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	UV	1	-2.34e-3	mg/Kg	5 mL	5 mL

Batch: 616861 — Analyst Initials: JGO
Method: 9034 — Instrument: No Equipment Used for this Test

Lab Sample ID: CCV 480-616861/1 — Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	8.41575	mg/L	100 mL	100 mL

Lab Sample ID: CCB 480-616861/2 — Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	100 mL	100 mL

Batch: 616861 (Continued)
Method: 9034

Analyst Initials: JGO
Instrument: No Equipment Used for this Test

Lab Sample ID: MB 480-616847/1-A
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	10 mL	500 mL

Lab Sample ID: LCS 480-616847/2-A
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	12.824	mg/L	10 mL	500 mL

Lab Sample ID: 480-195466-B-9-B
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	10.0088 g	500 mL

Lab Sample ID: 480-195466-B-10-B
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	10.0120 g	500 mL

Lab Sample ID: CCV 480-616861/9
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	8.8165	mg/L	100 mL	100 mL

Lab Sample ID: CCB 480-616861/10
Analysis Date: Mar 04, 2022 14:51

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	100 mL	100 mL

Batch: 617220
Method: 1010A

Analyst Initials: EJL
Instrument: Flashpoint 1

Lab Sample ID: LCS 480-617220/1
Analysis Date: Mar 08, 2022 18:32

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount
Flashpoint	None	1	79	Degrees F	75 mL

Lab Sample ID: 480-195466-A-9
Analysis Date: Mar 08, 2022 18:32

Analyte	Detector	Dilution	Raw Result	Unit
Flashpoint	None	1	>175	Degrees F

Lab Sample ID: CCV 480-617220/7
Analysis Date: Mar 08, 2022 18:32

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount
Flashpoint	None	1	80	Degrees F	75 mL

General Chemistry Raw Data Report

Job ID: 480-195466-1

Batch: 617344
Method: 1010A

Analyst Initials: EJL
Instrument: Flashpoint 1

Lab Sample ID: LCS 480-617344/1

Analysis Date: Mar 09, 2022 16:08

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount
Flashpoint	None	1	82	Degrees F	75 mL

Lab Sample ID: 480-195466-B-10

Analysis Date: Mar 09, 2022 16:08

Analyte	Detector	Dilution	Raw Result	Unit
Flashpoint	None	1	>175	Degrees F

Lab Sample ID: CCV 480-617344/6

Analysis Date: Mar 09, 2022 16:08

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount
Flashpoint	None	1	81	Degrees F	75 mL

Batch: 616897
Method: 9045D

Analyst Initials: CSS
Instrument: Analytical Balance

Lab Sample ID: LCS 480-616897/1

Analysis Date: Mar 05, 2022 17:40

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	7.02	SU	25 mL	25 mL
Temperature	None	1	21.2	Degrees C	25 mL	25 mL

Lab Sample ID: 480-195466-B-9

Analysis Date: Mar 05, 2022 17:40

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	8.84	SU	20 g	20 mL
Temperature	None	1	19.8	Degrees C	20 g	20 mL

Lab Sample ID: 480-195466-B-9 DU

Analysis Date: Mar 05, 2022 17:40

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	8.86	SU	20 g	20 mL
Temperature	None	1	19.8	Degrees C	20 g	20 mL

Lab Sample ID: 480-195466-B-10

Analysis Date: Mar 05, 2022 17:40

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	9.23	SU	20 g	20 mL
Temperature	None	1	19.9	Degrees C	20 g	20 mL

Lab Sample ID: CCV 480-616897/7

Analysis Date: Mar 05, 2022 17:40

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	7.01	SU	25 mL	25 mL
Temperature	None	1	21.2	Degrees C	25 mL	25 mL

General Chemistry Raw Data Report

Job ID: 480-195466-1

Batch: 616748 **Analyst Initials: CDC**

Method: Moisture **Instrument: No Equipment Used for this Test**

Lab Sample ID: 480-195466-A-1 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	23.6760124610592	%
Percent Solids	None	1	76.3239875389408	%

Lab Sample ID: 480-195466-A-2 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	19.7622585438336	%
Percent Solids	None	1	80.2377414561664	%

Lab Sample ID: 480-195466-A-3 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	8.4889643463497	%
Percent Solids	None	1	91.5110356536503	%

Lab Sample ID: 480-195466-A-4 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	19.0828402366864	%
Percent Solids	None	1	80.9171597633136	%

Lab Sample ID: 480-195466-A-5 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.9756097560976	%
Percent Solids	None	1	89.0243902439024	%

Lab Sample ID: 480-195466-A-6 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	14.1025641025641	%
Percent Solids	None	1	85.8974358974359	%

Lab Sample ID: 480-195466-A-7 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	19.2716236722306	%
Percent Solids	None	1	80.7283763277694	%

Lab Sample ID: 480-195466-A-8 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	20.6463195691203	%
Percent Solids	None	1	79.3536804308797	%

Lab Sample ID: 480-195466-A-11 — Analysis Date: Mar 03, 2022 18:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	17.0437405731523	%
Percent Solids	None	1	82.9562594268477	%

General Chemistry Raw Data Report

Job ID: 480-195466-1

Batch: 617204 **Analyst Initials: JMM**

Method: Moisture **Instrument: No Equipment Used for this Test**

Lab Sample ID: 480-195466-A-9 **Analysis Date: Mar 08, 2022 16:35**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	15.4088050314465	%
Percent Solids	None	1	84.5911949685535	%

Lab Sample ID: 480-195466-A-10 **Analysis Date: Mar 08, 2022 16:35**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	21.4285714285714	%
Percent Solids	None	1	78.5714285714286	%

616866 → 616868

Solutions:

Potassium Phosphate Buffer	6870852	Exp: 3/17/2022
Pyridine Barbituric Acid	6881058	Exp: 3/9/2022
Chloramine-T	6883428	Exp: 3/5/2022
50ppm INT STD	6879384	Exp: 3/7/2022
CN .25ppm CCV Std	6883605	Exp: 3/5/2022

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 2/7/2022
Curve Standard (50 ppm): 6855398
ICV (0.250 ppm): 614116/3

Date : 2/7/2022

Author: BufLachat2

Original Run Filename: OM_2-7-2022_11-26-40AM.OMN Created: 2/7/2022 11:26:40 AM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_2-7-2022_11-26-40AM.OMN Last Modified: 2/7/2022 11:45:22 AM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

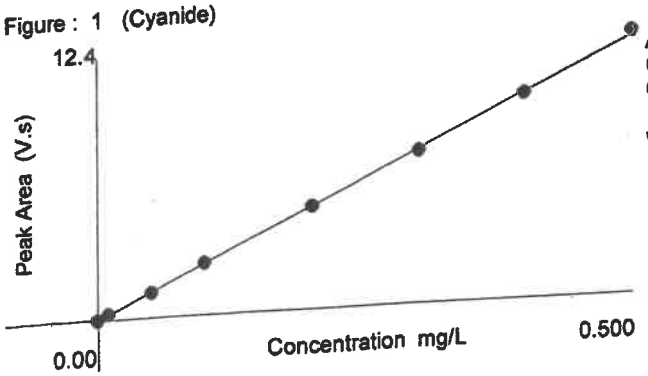
Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
Cal Std 1 - 0.5	1	S1	0.500	12.4	0.558	2/7/2022@11:27:42 AM
Cal Std 2 - 0.4	1	S2	0.400	9.70	0.440	2/7/2022@11:29:08 AM
Cal Std 3 - 0.3	1	S3	0.300	7.22	0.328	2/7/2022@11:30:34 AM
Cal Std 4 - 0.2	1	S4	0.200	4.88	0.221	2/7/2022@11:32:01 AM
Cal Std 5 - 0.1	1	S5	0.100	2.47	0.113	2/7/2022@11:33:28 AM
Cal Std 6 - 0.05	1	S6	0.0500	1.20	0.0554	2/7/2022@11:34:56 AM
Cal Std 7 - 0.01	1	S7	0.0100	0.273	0.0130	2/7/2022@11:36:24 AM
cal Std 8 - 0	1	S10	0.00	4.45e-3	1.81e-3	2/7/2022@11:37:50 AM
icv	1	1	0.238	5.83	0.296	2/7/2022@11:39:18 AM
	Known Conc:		1.50			
	Calibration:		Table/Fig. : 1			
icb	1	S10	-6.40e-3	-0.142	-9.21e-3	2/7/2022@11:40:44 AM
	Known Conc:		100			
icvl	1	S7	0.0113	0.290	0.0133	2/7/2022@11:42:12 AM
	Known Conc:		0.00			

95.2% recovery

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	12.4	0.558	0.0	-1.5	0.508	2/7/2022	11:27:42 AM
2	0.400	1	9.70	0.440	0.0	0.7	0.397	2/7/2022	11:29:08 AM
3	0.300	1	7.22	0.328	0.0	1.5	0.295	2/7/2022	11:30:34 AM
4	0.200	1	4.88	0.221	0.0	0.3	0.199	2/7/2022	11:32:01 AM
5	0.100	1	2.47	0.113	0.0	-0.8	0.101	2/7/2022	11:33:28 AM
6	0.0500	1	1.20	0.0554	0.0	2.5	0.0487	2/7/2022	11:34:56 AM
7	0.0100	1	0.273	0.0130	0.0	-6.2	0.0107	2/7/2022	11:36:24 AM
8	0.00	1	4.45e-3	1.81e-3			-3.72e-4	2/7/2022	11:37:50 AM

Figure : 1 (Cyanide)



Area = 24.4 * Conc + 0.0137
Conc = 0.0410 * Area - 5.55e-4
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Date : 3/4/2022

Author: BufLachat2

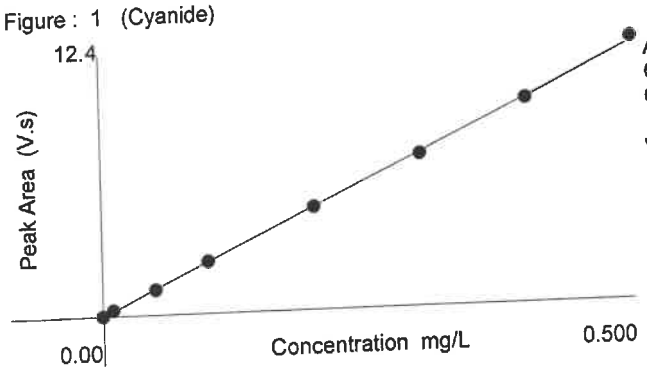
Original Run Filename: OM_3-4-2022_03-15-07PM.OMN Created: 3/4/2022 3:15:07 PM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_3-4-2022_03-15-07PM.OMN Last Modified: 3/4/2022 3:33:41 PM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
CCV	1	S9	0.241	5.89	0.262	3/4/2022@3:16:05 PM
	Known Conc:		0.250			
CCB	1	S10	-7.04e-4	-3.64e-3	-8.05e-4	3/4/2022@3:17:31 PM
	Known Conc:		0.00			
	Calibration:		Table/Fig. : 1			
MB 480-616843/1-A	1	1	-1.68e-3	-0.0274	-1.23e-3	3/4/2022@3:18:59 PM
LCS 480-616843/2-A	1	2	0.217	5.30	0.236	3/4/2022@3:20:26 PM
480-195286-D-1-A	1	3	4.19e-3	0.116	5.08e-3	3/4/2022@3:21:53 PM
480-195286-D-1-B DU	1	4	-3.40e-4	5.23e-3	1.78e-3	3/4/2022@3:23:20 PM
480-195380-A-4-A	1	5	-5.29e-8	0.0135	1.77e-3	3/4/2022@3:24:47 PM
480-195466-B-9-A	1	6	-1.70e-3	-0.0279	-1.67e-3	3/4/2022@3:26:13 PM
480-195466-B-10-A	1	7	-8.74e-4	-7.79e-3	1.24e-3	3/4/2022@3:27:40 PM
CCV	1	S9	0.240	5.87	0.262	3/4/2022@3:29:05 PM
	Known Conc:		100			
CCB	1	S10	-2.34e-3	-0.0436	-1.37e-3	3/4/2022@3:30:32 PM
	Known Conc:		100			

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	12.4	0.558	0.0	-1.5	0.508	2/7/2022	11:27:42 AM
2	0.400	1	9.70	0.440	0.0	0.7	0.397	2/7/2022	11:29:08 AM
3	0.300	1	7.22	0.328	0.0	1.5	0.295	2/7/2022	11:30:34 AM
4	0.200	1	4.88	0.221	0.0	0.3	0.199	2/7/2022	11:32:01 AM
5	0.100	1	2.47	0.113	0.0	-0.8	0.101	2/7/2022	11:33:28 AM
6	0.0500	1	1.20	0.0554	0.0	2.5	0.0487	2/7/2022	11:34:56 AM
7	0.0100	1	0.273	0.0130	0.0	-6.2	0.0107	2/7/2022	11:36:24 AM
8	0.00	1	4.45e-3	1.81e-3			-3.72e-4	2/7/2022	11:37:50 AM

Figure : 1 (Cyanide)



Area = 24.4 * Conc + 0.0137
Conc = 0.0410 * Area - 5.55e-4
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Analyst:	JCO			
Date:	3/9/22			
Time Started :	8:20			
Time Ended :	13:10			
	Login #	Sample ID	Weight/Vol	
1	MB	Blank	10	mL
2	LCS	1000ppm Std	10	mL
3	195286	D-1	10.0917	g
4	195286	D-1RV	10.0539	g
5	195380	A-1	10.0098	g
6	195466	B-9	10.0088	g
7		B-10	10.0120	g
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23	MB	Blank	10.0000	mL
24	LCS	1000ppm std	10.0000	mL
25				
26				
27				
28				
29				
30				
31				
CYANIDE STD:	6484235		Cyanide:	✓
SULFIDE STD:	6646149		Sulfide:	
Cal. SULFIDE STD:	6882400			
BALANCE #:	3			

Prep 616843

Prep 616847

Eurofins Buffalo

REACTIVITY LOG

Logbook # A22-06 Batch # 616861

Date	Anal.	Job #	Sample I.D.	N_2 Flow	Sample Wt. (g)	Scrubber Vol. (ml)	Time (Min)	Total Available Sulfide: I_2 Vol. (ml)	Total Available Sulfide: Sample Vol. (ml)	Total Available Sulfide: Titrant Vol. (ml)	Comments
3/4/22	JGO	CCV	CCV	60	10	500	30	5	100	2.9	
		CCB	CCB					1		1.00	
		MB	3/4/22					1		1.00	
		LCS	3/4/22					5		1.8	
		195286	D-1					1		1.00	
			D-12					1		1.00	
		195286	B-9					1		1.00	
			B-10					1		1.00	
		CCV	CCV					5		2.8	
		CCB	CCB					1		1.00	

JGO 3/4/22

Start/End Time 14:25 Solutions

Reviewed By/ Date JGO 3/4/22 N I_2= 0.025 N NaS_2O_3= 0.025

2
2021

8/100

Sheet1

Analyst:	JCO			
Date:	3/14/22			
Time Started :	8:20			
Time Ended :	13:10			
	Login #	Sample ID	Weight/Vol	
1	MB	Blank	10	mL
2	LCS	1000ppm Std	10	mL
3	195286	D-1	10.0917	g
4	195286	D-1RW	10.0539	g
5	~~195280~~	A-1	~~10.0098~~	g
6	195466	BG	10.0088	g
7		BW	10.0120	g
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23	MB	Blank	10.0000	mL
24	LCS	1000ppm std	10.0000	mL
25				
26				
27				
28				
29				
30				
31				
CYANIDE STD:	6484235			
SULFIDE STD:	6646149		Cyanide:	
Cal. SULFIDE STD:	6882400		Sulfide:	✓
BALANCE #:	3			

JCO 3/14/22

Pr 3/14 6884359 → 6884359

Prep 616847

Sulfide Stock Solution Standardization for Reactive Sulfide

Add 5.0 mL of 0.025N iodine solution to a 250 mL flask
Add 1.0 mL of 6N HCl
Add 1.0 mL of 1000 ppm pre-certified Sodium Sulfide below the surface of the Iodine solution
Dilute to 100 mL with reagent water
Add 1 dropper of starch indicator
Titrate with 0.025N Sodium Thiosulfate until the endpoint is reached (blue color disappears)

Repeat twice and average the results

The standardized sodium sulfide concentration is calculated as follows:

$$S = [(A \times B) - (C \times D)] \times 16{,}000 / E$$

Where:

A = Volume of iodine solution (5.0 mL)
B = Normality of iodine solution (0.025N)
C = Volume of $Na_2S_2O_3$ solution (Determined by standardization)
D = Normality of $Na_2S_2O_3$ solution (0.025N)
E = Volume of sulfide stock (1.0 mL)
S = Concentration of sulfide stock

The standardization procedure must be completed for both the primary source standard used for the CCV/MS and the secondary source standard for the LCS

			TALS ID:
Date:	3/4/2022	0.025N Iodine	6353506
		0.025N Sodium Thiosulfate	6684888

CCV/MS

mL Na2S2O3 used for Titration 1:	2.80
mL Na2S2O3 used for Titration 1:	2.80
Avg mL:	2.80

Sodium Sulfide Concentration (mg/L):	880	**ENTER in S2F spreadsheet under CCV "Stock Conc."**
STOCK Reagent ID	**6526961**	The actual concentration of the CCV will calculate automatically
NEW Reagent ID (CCV/MS)	**6882420**	

LCS

mL Na2S2O3 used for Titration 1:	2.80
mL Na2S2O3 used for Titration 1:	2.80
Avg mL:	2.80

Sodium Sulfide Concentration (mg/L):	880	**ENTER in S2F spreadsheet under LCS "Stock Conc."**
STOCK Reagent ID	**6646149**	The actual concentration of the LCS will calculate automatically

617220

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Laboratory Bench Sheet
Flashpoint
Method 1010
Herzog Instrument

Flashpoint _Template
Revision2
Feb 2,2017

Analyst:	EL	BATCH #	
Date:	3-8-22	p-Xylene	6800 1627
Flashpoint #:	1	Acceptance Range=	79 - 83 °F
		Barometric Pressure	995

	Job#	Sample ID	Start Temp °F	Flashpoint Result °F	Comment
	LCS	p-xylene	70.5	79	75 mL QC PASS
24Ø	163325	-A-1	64.5	>175	75 ml
24Ø	163325	-A-1-du	68	>175	75 ml
24Ø	163268	-B-1	70.5	>175	Solid
	195466	-A-9	74.5	>175	Solid
	195451	-A-1	69.5	>175	Solid
	CCV	p-xylene	72.5	80	75 ml

no historical

EL

617344

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Laboratory Bench Sheet
Flashpoint
Method 1010
Herzog Instrument

Flashpoint _Template
Revision2
Feb 2,2017

Analyst:	EL	**BATCH #**	617344
Date:	3- -22	**p-Xylene**	6861027
Flashpoint #:	1	**Acceptance Range=**	79 - 83 °F
		Barometric Pressure	1665

Job#	Sample ID	Start Temp °F	Flashpoint Result °F	Comment
LCS	p-xylene	70.5	82	75 mL QC PASS
195483	-A-2	68	>175	Solid
195483	-A-2-dup	69	>175	Solid
195483	-A-1	72.5	>175	Solid
195466	-B-10	74	>175	Solid.
CCV	p-xylene	78.5	81	75 ml
		no historical		
		EL		

BF-WC-LB-025
Rev. 1, 5/24/16

Logbook Number: A18-01-54

pH Logbook Method SM4500 H+/9040C

Analyst: CSS Date: 3/5/22 Start Time: 17:40 End Time: 19:50

pH Meter ID: 4 pH Calibration Slope Value: 97.8%

Reviewed By: CSS Date Reviewed: 3/5/22

pH Meter Calibration

6016897

Buffer Value	pH Reading	Temperature (°C)	Reagent ID Number
4.01	4.01	21.1	6748816
7.00	7.01	21.1	6622931
10.00	10.05	21.1	6578022
*LCS/CCV			6792289

*Second Source from calibration reagents

JOB #	SAMPLE ID	VOLUME (mL)	pH	TEMP (°C)	COMMENTS
LCS	C7.00	25mL	7.02	21.2	
195466	B-9	20g/20mL	8.84	19.8	
	B-9 DU		8.86	19.8	
	B-10		9.23	19.9	
195483	B-1		9.16	19.7	
195483	B-2		8.18	19.6	
CCV	C7.00	25mL	7.01	21.2	

CSS 3/5/22

187/200

617204 3-8-22

BF-SC-DW-008
Rev. 0
5/9/2013

Cup #	Sample ID	Cup Weight	Cup #	Sample ID	Cup Weight
1	240-163328-1	4.30			
2	240 163329 -1				
3-6	620 -3246 1-4				
7-8	480-195466 9, 10				
9-15	480 195465 1-6, 8				
16	480 195556 1				
17-24	240 163316 1-8				
25	240 163320 1	✓			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616843 Batch Start Date: 03/04/22 13:25 Batch Analyst: Olson, Jeffrey G

Batch Method: 7.3.3 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCFreeCN_STK 00071			
MB 480-616843/1		7.3.3, 9012		10 mL	500 mL				
LCS 480-616843/2		7.3.3, 9012		10 mL	500 mL	10 mL			
480-195466-B-9	LF1	7.3.3, 9012	T	10.0088 g	500 mL				
480-195466-B-10	LF2	7.3.3, 9012	T	10.0120 g	500 mL				

Batch Notes	
Balance ID	11

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616868 Batch Start Date: 03/04/22 15:36 Batch Analyst: Olson, Jeffrey G

Batch Method: 9012 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01653			
CCV 480-616868/1		9012		5 mL	5 mL	# mL			
CCB 480-616868/2		9012		5 mL	5 mL				
MB 480-616843/1-A		9012		5 mL	5 mL				
LCS 480-616843/2-A		9012		5 mL	5 mL				
480-195466-B-9-A	LF1	9012	T	5 mL	5 mL				
480-195466-B-10-A	LF2	9012	T	5 mL	5 mL				
CCV 480-616868/10		9012		5 mL	5 mL	# mL			
CCB 480-616868/11		9012		5 mL	5 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616847 Batch Start Date: 03/04/22 13:30 Batch Analyst: Olson, Jeffrey G

Batch Method: 7.3.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Sulfide LCS 00845			
MB 480-616847/1		7.3.4, 9034		10 mL	500 mL				
LCS 480-616847/2		7.3.4, 9034		10 mL	500 mL	10 mL			
480-195466-B-9	LF1	7.3.4, 9034	T	10.0088 g	500 mL				
480-195466-B-10	LF2	7.3.4, 9034	T	10.0120 g	500 mL				

Batch Notes	
Balance ID	11

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616861 Batch Start Date: 03/04/22 14:51 Batch Analyst: Olson, Jeffrey G

Batch Method: 9034 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	IodineAmount	TitrantVolume1	CalcMsg	FinalAmount	Sulfide CCV 00773
CCV 480-616861/1		9034		100 mL	5 mL	2.9 mL	OK	100 mL	1 mL
CCB 480-616861/2		9034		100 mL	1 mL	1.00 mL	OK	100 mL	
MB 480-616847/1-A		9034		100 mL	1 mL	1.00 mL	OK	100 mL	
LCS 480-616847/2-A		9034		100 mL	5 mL	1.8 mL	OK	100 mL	
480-195466-B-9-B	LF1	9034	T	100 mL	1 mL	1.00 mL	OK	100 mL	
480-195466-B-10-B	LF2	9034	T	100 mL	1 mL	1.00 mL	OK	100 mL	
CCV 480-616861/9		9034		100 mL	5 mL	2.8 mL	OK	100 mL	1 mL
CCB 480-616861/10		9034		100 mL	1 mL	1.00 mL	OK	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	Sulfide LCS 00845					
CCV 480-616861/1		9034							
CCB 480-616861/2		9034							
MB 480-616847/1-A		9034							
LCS 480-616847/2-A		9034		1 mL					
480-195466-B-9-B	LF1	9034	T						
480-195466-B-10-B	LF2	9034	T						
CCV 480-616861/9		9034							
CCB 480-616861/10		9034							

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616861 Batch Start Date: 03/04/22 14:51 Batch Analyst: Olson, Jeffrey G

Batch Method: 9034 Batch End Date:

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Nominal Amount Used	100 mL
Normality of Iodine Solution	0.025 N
Normality of First Titrant	0.025 N

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617220 Batch Start Date: 03/08/22 18:32 Batch Analyst: Laxton, Eric J

Batch Method: 1010A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	InitialTemp	ObsFlash	P-Xylene 00100		
LCS 480-617220/1		1010A		75 mL	70.5 Degrees F	79 Degrees F	5 mL		
480-195466-A-9	LF1	1010A	T		74.5 Degrees F	>175 Degrees F			
CCV 480-617220/7		1010A		75 mL	72.5 Degrees F	80 Degrees F	5 mL		

Batch Notes	
Barometer ID	1
Barometric Pressure - Corrected	995 mmHg
Barometric Pressure - Uncorrected	995 mmHg
Equipment ID	1
Thermometer ID	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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617344 Batch Start Date: 03/09/22 16:08 Batch Analyst: Laxton, Eric J

Batch Method: 1010A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	InitialTemp	ObsFlash	P-Xylene 00100		
LCS 480-617344/1		1010A		75 mL	70.5 Degrees F	82 Degrees F	75 mL		
480-195466-B-10	LF2	1010A	T		74 Degrees F	>175 Degrees F			
CCV 480-617344/6		1010A		75 mL	78.5 Degrees F	81 Degrees F	75 mL		

Batch Notes	
Barometer ID	1
Barometric Pressure - Corrected	1005 mmHg
Barometric Pressure - Uncorrected	1005 mmHg
Equipment ID	1
Thermometer ID	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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616897 Batch Start Date: 03/05/22 17:40 Batch Analyst: Stone, Chandler S

Batch Method: 9045D Batch End Date: 03/05/22 19:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SampleTemp	7.0 BufferICV 00329		
LCS 480-616897/1		9045D		25 mL	25 mL	21.2 Celsius	25 mL		
480-195466-B-9	LF1	9045D	T	20 g	20 mL	19.8 Celsius			
480-195466-B-9 DU	LF1	9045D	T	20 g	20 mL	19.8 Celsius			
480-195466-B-10	LF2	9045D	T	20 g	20 mL	19.9 Celsius			
CCV 480-616897/7		9045D		25 mL	25 mL	21.2 Celsius	25 mL		

Batch Notes	
pH Meter ID	4
Probe ID	4
Thermometer ID	4
pH Buffer 1 ID	6748816
pH Buffer 2 ID	6622931
pH Buffer 3 ID	6578022
pH Buffer 4 ID	6792289
pH Meter Calibration Slope	97.8%
Calibration Date and Time	03/05/2022 17:40
Balance ID	17
Sufficient volume for sample dup	Yes

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616748 Batch Start Date: 03/03/22 18:59 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
480-195466-A-1	SB201 (1.8-2.3)	Moisture	T	1	1.29 g	4.50 g	3.74 g	23.6760124610592 %	76.3239875389408 %
480-195466-A-2	SB201 (6-6.5)	Moisture	T	2	1.29 g	8.02 g	6.69 g	19.7622585438336 %	80.2377414561664 %
480-195466-A-3	SB202 (2-2.5)	Moisture	T	3	1.29 g	7.18 g	6.68 g	8.4889643463497 %	91.5110356536503 %
480-195466-A-4	SB202 (6-6.5)	Moisture	T	4	1.29 g	8.05 g	6.76 g	19.0828402366864 %	80.9171597633136 %
480-195466-A-5	SB203 (2-2.5)	Moisture	T	5	1.29 g	7.85 g	7.13 g	10.9756097560976 %	89.0243902439024 %
480-195466-A-6	SB203 (5-5.5)	Moisture	T	6	1.29 g	8.31 g	7.32 g	14.1025641025641 %	85.8974358974359 %
480-195466-A-7	SB204 (2.75-3.2)	Moisture	T	7	1.29 g	7.88 g	6.61 g	19.2716236722306 %	80.7283763277694 %
480-195466-A-8	SB204 (5.5-6.0)	Moisture	T	8	1.29 g	6.86 g	5.71 g	20.6463195691203 %	79.3536804308797 %
480-195466-A-11	LF1	Moisture	T	9	1.29 g	7.92 g	6.79 g	17.0437405731523 %	82.9562594268477 %

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
480-195466-A-1	SB201 (1.8-2.3)	Moisture	T	terracore plug					
480-195466-A-2	SB201 (6-6.5)	Moisture	T	terracore plug					
480-195466-A-3	SB202 (2-2.5)	Moisture	T	terracore plug					
480-195466-A-4	SB202 (6-6.5)	Moisture	T	terracore plug					
480-195466-A-5	SB203 (2-2.5)	Moisture	T	terracore plug					
480-195466-A-6	SB203 (5-5.5)	Moisture	T	terracore plug					
480-195466-A-7	SB204 (2.75-3.2)	Moisture	T	terracore plug					
480-195466-A-8	SB204 (5.5-6.0)	Moisture	T	terracore plug					
480-195466-A-11	LF1	Moisture	T	terracore plug					

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 616748 Batch Start Date: 03/03/22 18:59 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Batch Notes	
Balance ID	10
Oven ID	mv
Thermometer ID	mv
Date samples were placed in the oven	03/03/2022
Time samples were place in the oven	19:00
Temperature - Start - Uncorrected	108 Degrees C
Oven Temp In	108 Degrees C
Date samples were removed from oven	03/06/2022
Time Samples were removed from oven	13:09
Temperature - End - Uncorrected	109 Degrees C
Oven Temp Out	109 Degrees C
Batch Comment	6111372

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-195466-1

SDG No.:

Batch Number: 617204 Batch Start Date: 03/08/22 16:35 Batch Analyst: Marshall, Joseph M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
480-195466-A-9	LF1	Moisture	T	7	4.30 g	13.84 g	12.37 g	15.4088050314465 %	84.5911949685535 %
480-195466-A-10	LF2	Moisture	T	8	4.30 g	17.88 g	14.97 g	21.4285714285714 %	78.5714285714286 %

Batch Notes	
Balance ID	GC
Oven ID	SC
Thermometer ID	SC
Date samples were placed in the oven	03/08/2022
Time samples were place in the oven	16:45
Oven Temp In	105 Degrees C
Date samples were removed from oven	03/09/2022
Time Samples were removed from oven	16:00
Oven Temp Out	105 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Ms. Christine Curtis
Company: Matrix Environmental Technologies Inc
Address: 3730 California Road PO BOX 427
City: Orchard Park
State, Zip: NY, 14127
Phone: 908-399-3651(Tel) 518-636-5190(Fax)
Email: ccurtis@matrixbiotech.com
Project Name: Lakeside Village Apartments
Site: 65-67 Lake Ave. Lancaster, N.Y.

Sampler: Craig D. Zink
Phone: 908-399-3651
PWSID:
Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #: 18-046
WO #:
Project #: 48024071
SSOW#:

Lab PM: Hartmann, Steve
E-Mail: Steve.Hartmann@Eurofinset.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-171005-37105.1
Page: Page 1 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-195466 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	8260C - TCLP Volatiles	6010C, 7470A, 8081B, 8151A, 8270D	9012_ReactiveCN, 9034_Reactive	1010A, 9045D	8082A - TCL PCBs	8015D_DRO - DRO	8015D_GRO - GRO	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SB201 (1.8'-2.3')	3-2-22	9:55 am	G	Solid			✓									
SB201 (6-6.5')	3-2-22	10:03 am	G	Solid			✓									
SB202 (2'-2.5')	3-2-22	10:45 am	G	Solid			✓									
SB202 (6'-6.5')	3-2-22	11:10 am	G	Solid			✓									
SB203 (2'-2.5')	3-2-22	11:53 am	G	Solid			✓									
SB203 (5'-5.5')	3-2-22	12:07 pm	G	Solid			✓									
SB204 (2.75'-3.25')	3-2-22	12:55	G	Solid			✓									
SB204 (5.5'-6.0')	3-2-22	1:23	G	Solid			✓									
LF1	3-2-22	2:15	G	Solid			✓									
LF1	3-2-22	2:15	C	Solid				✓	✓	✓	✓	✓	✓	✓		
LF2	3-2-22	2:25	C	Solid				✓	✓	✓	✓	✓	✓	✓		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Craig D. Zink	3/3/22 13:35		Gwallace	3/3/22 1335	TAB

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: B.G #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-195466-1

Login Number: 195466
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	OUT OF TEMP
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	MATRIX
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	